

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
 Data File : BF086343.D
 Acq On : 21 Apr 2016 7:40
 Operator : UM/SJ
 Sample : H2617-05MSD
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

Manual Integrations
 APPROVED

sohil
 4/21/2016 7:12:02 PM

Quant Time: Apr 21 08:35:18 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 20 15:45:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	211098	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	790045	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	282022	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	480014	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	332450	20.00	ng	-0.02
86) Perylene-d12	15.46	264	252402	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1643948	135.87	ng	0.01
7) Phenol-d6	6.51	99	1833861	115.82	ng	-0.01
23) Nitrobenzene-d5	7.44	82	1225355	88.83	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	335761	152.75	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	1718667	130.30	ng	-0.03
78) Terphenyl-d14	12.98	244	1403018	100.46	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	261972	39.97	ng	# 82
3) Pyridine	3.36	79	678722	40.45	ng	98
4) n-Nitrosodimethylamine	3.29	42	291740	50.46	ng	# 76
6) Aniline	6.53	93	287718	13.50	ng	# 63
8) 2-Chlorophenol	6.66	128	611741	42.57	ng	85
9) Benzaldehyde	6.42	77	124979	11.14	ng	100
10) Phenol	6.52	94	707432	38.99	ng	94
11) bis(2-Chloroethyl)ether	6.61	93	717241	45.26	ng	96
12) 1,3-Dichlorobenzene	6.81	146	618134	39.20	ng	98
13) 1,4-Dichlorobenzene	6.89	146	664226	39.42	ng	98
14) 1,2-Dichlorobenzene	7.04	146	560901m	37.53	ng	
15) Benzyl Alcohol	7.01	79	447156	45.45	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.15	45	912076	40.90	ng	92
17) 2-Methylphenol	7.13	107	508699	42.35	ng	99
18) Hexachloroethane	7.38	117	112016	22.31	ng	# 88
19) n-Nitroso-di-n-propylamine	7.29	70	406878	42.42	ng	# 86
20) 3+4-Methylphenols	7.29	107	581022	44.59	ng	# 83
22) Acetophenone	7.28	105	813772	49.03	ng	# 93
24) Nitrobenzene	7.46	77	650287	44.06	ng	93
25) Isophorone	7.70	82	1239623	47.43	ng	94
26) 2-Nitrophenol	7.77	139	209377	31.72	ng	# 87
27) 2,4-Dimethylphenol	7.81	122	547293	42.27	ng	98
28) bis(2-Chloroethoxy)methane	7.90	93	774015	50.64	ng	99
29) 2,4-Dichlorophenol	8.02	162	470090	46.04	ng	93
30) 1,2,4-Trichlorobenzene	8.10	180	497390	45.16	ng	98
31) Naphthalene	8.18	128	1731645	45.98	ng	99
32) Benzoic acid	7.93	122	302881	39.37	ng	94
33) 4-Chloroaniline	8.22	127	179774	11.53	ng	97
34) Hexachlorobutadiene	8.29	225	237754	42.83	ng	98
35) Caprolactam	8.59	113	133353	40.33	ng	# 68
36) 4-Chloro-3-methylphenol	8.72	107	486465	42.37	ng	100
37) 2-Methylnaphthalene	8.86	142	1002181	43.09	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.04	216	410993	54.75	ng	# 96
40) Hexachlorocyclopentadiene	9.01	237	17038	10.93	ng	99

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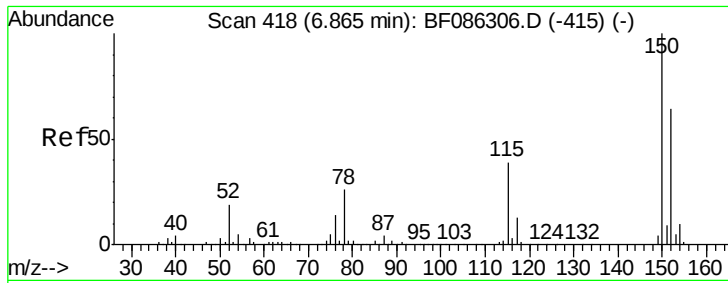
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	264592	50.81	nq	99
43) 2,4,5-Trichlorophenol	9.20	196	280767	49.50	nq	96
45) 1,1'-Biphenyl	9.33	154	1172679	52.95	nq	98
46) 2-Chloronaphthalene	9.36	162	866617	51.64	nq	98
47) 2-Nitroaniline	9.46	65	324005	56.80	nq	# 63
48) Acenaphthylene	9.77	152	1297980	49.53	nq	99
49) Dimethylphthalate	9.63	163	1069373	49.80	nq	100
50) 2,6-Dinitrotoluene	9.69	165	172129	38.96	nq	# 58
51) Acenaphthene	9.94	154	759461	49.39	nq	99
52) 3-Nitroaniline	9.86	138	248710	44.26	nq	98
53) 2,4-Dinitrophenol	9.97	184	2131	8.76	nq	# 1
54) Dibenzofuran	10.11	168	1116076	53.39	nq	93
55) 4-Nitrophenol	10.03	139	269898	77.47	nq	80
56) 2,4-Dinitrotoluene	10.10	165	195971	35.69	nq	95
57) Fluorene	10.45	166	755194	48.75	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.24	232	211805	55.66	nq	# 89
59) Diethylphthalate	10.33	149	1005114	47.97	nq	98
60) 4-Chlorophenyl-phenylether	10.45	204	367976	51.29	nq	90
61) 4-Nitroaniline	10.48	138	299123	56.87	nq	87
62) Azobenzene	10.61	77	1022204	49.49	nq	89
64) 4,6-Dinitro-2-methylphenol	10.51	198	2357	7.42	nq	# 27
65) n-Nitrosodiphenylamine	10.57	169	735705	46.52	nq	99
66) 4-Bromophenyl-phenylether	10.94	248	234819	45.53	nq	# 90
67) Hexachlorobenzene	11.00	284	228080	44.06	nq	98
68) Atrazine	11.09	200	180358	37.10	nq	99
69) Pentachlorophenol	11.20	266	251384	92.70	nq	96
70) Phenanthrene	11.41	178	1133121	49.81	nq	99
71) Anthracene	11.47	178	1254554	51.50	nq	97
72) Carbazole	11.62	167	1194086	51.80	nq	99
73) Di-n-butylphthalate	11.95	149	1453583	48.97	nq	100
74) Fluoranthene	12.60	202	1210093	57.38	nq	99
76) Benzidine	12.73	184	602057	41.02	nq	95
77) Pyrene	12.83	202	1186646	48.12	nq	99
79) Butylbenzylphthalate	13.45	149	628602	48.29	nq	# 82
80) Benzo(a)anthracene	14.02	228	824878	47.10	nq	99
81) 3,3'-Dichlorobenzidine	13.99	252	328430	27.11	nq	# 96
82) Chrysene	14.05	228	909368	48.04	nq	98
83) Bis(2-ethylhexyl)phthalate	14.01	149	781515	51.26	nq	# 98
84) Di-n-octyl phthalate	14.63	149	1512606	55.05	nq	97
85) Indeno(1,2,3-cd)pyrene	16.87	276	717564	36.87	nq	97
87) Benzo(b)fluoranthene	15.05	252	730512m	50.04	nq	
88) Benzo(k)fluoranthene	15.07	252	705967m	57.44	nq	
89) Benzo(a)pyrene	15.40	252	679849	50.53	nq	96
90) Dibenzo(a,h)anthracene	16.88	278	607691	51.74	nq	97
91) Benzo(g,h,i)perylene	17.29	276	598457	53.14	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.03 min

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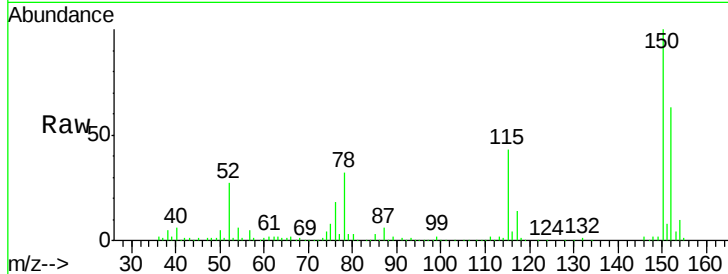
B-931WB(N)(19)MSD

Manual Integrations
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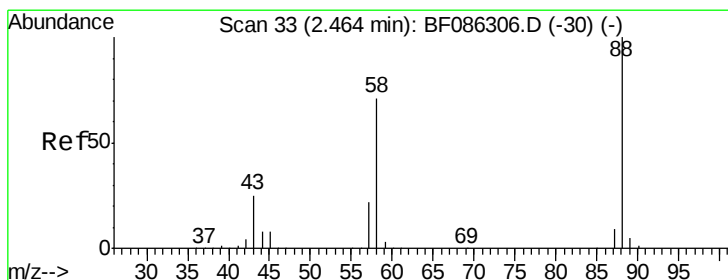
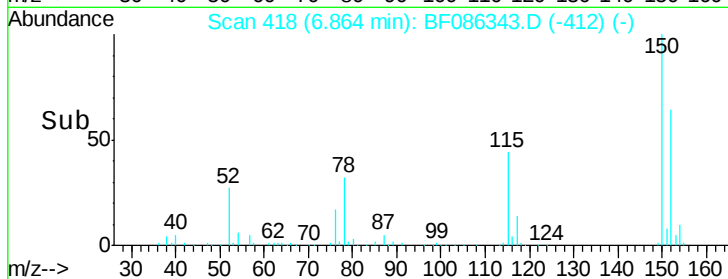
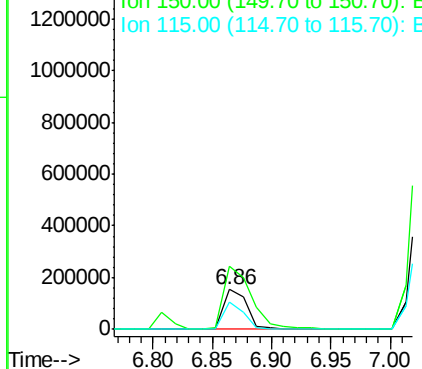
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Tot Ion:	152	Resp:	211098
Ion Ratio	Lower	Upper	
152	100		
150	159.0	124.1	186.1
115	68.7	43.9	65.9#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 39.97 ng

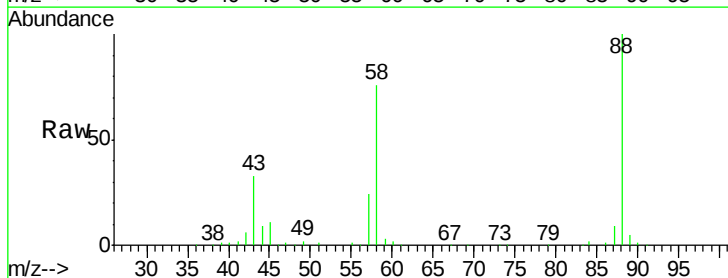
RT: 2.66 min Scan# 50

Delta R.T. 0.15 min

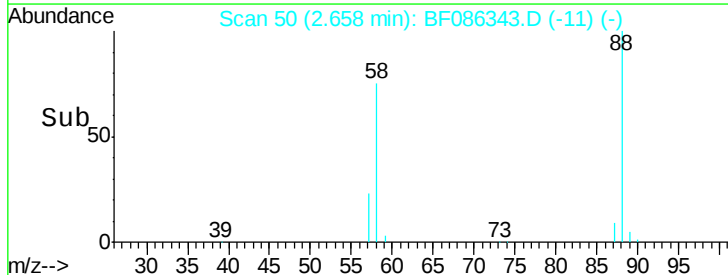
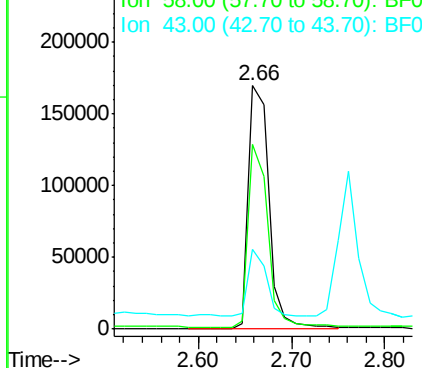
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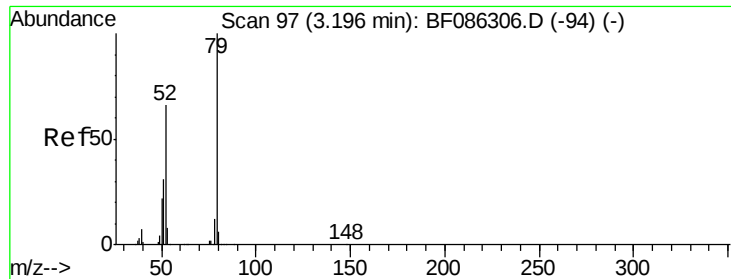
Acq: 21 Apr 2016 7:40

Tgt Ion:	88	Resp:	261972
Ion Ratio	Lower	Upper	
88	100		
58	70.7	58.4	87.6
43	0.0	23.3	34.9#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 40.45 ng

RT: 3.36 min Scan# 111

Delta R.T. 0.10 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

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BNA_F

ClientSampleId :

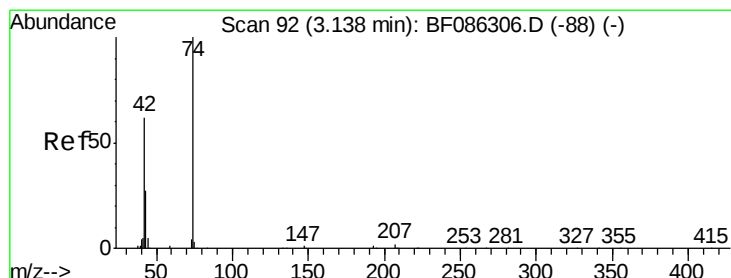
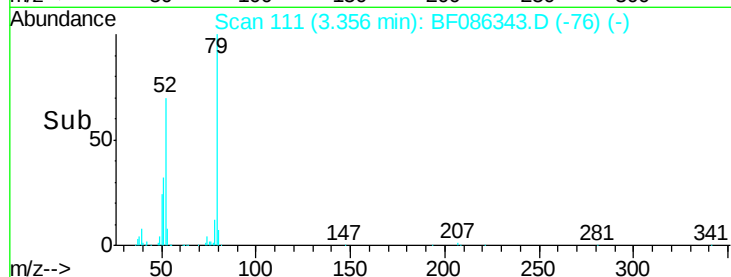
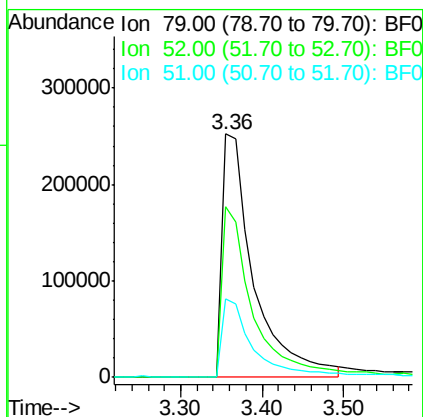
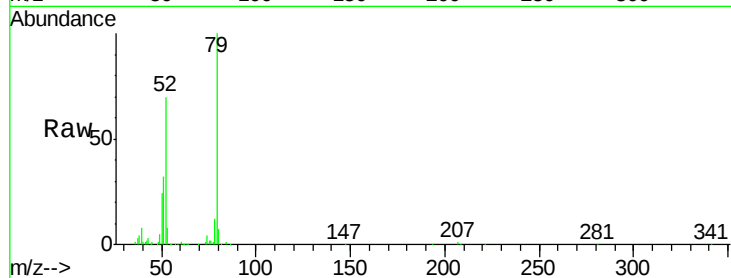
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		678722		
52	70.0		55.4	83.2	
51	32.1		28.1	42.1	



#4

n-Nitrosodimethylamine

Concen: 50.46 ng

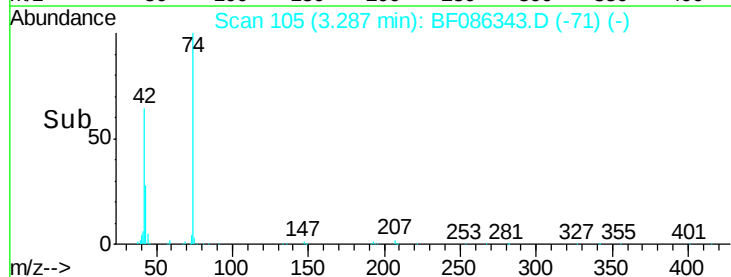
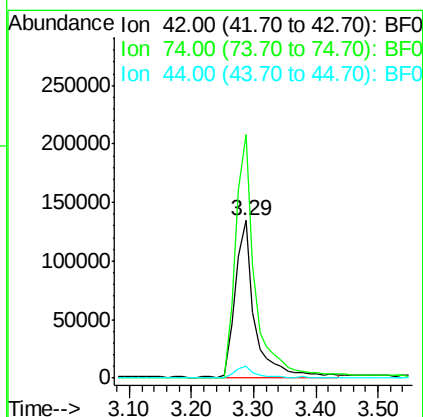
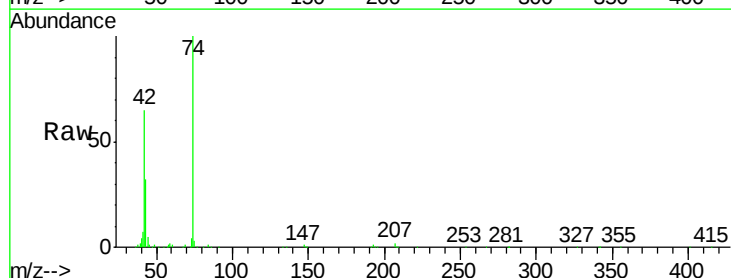
RT: 3.29 min Scan# 105

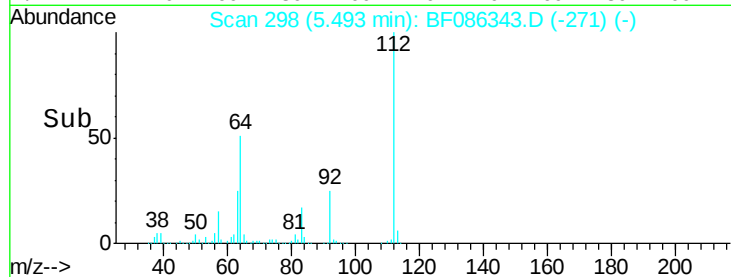
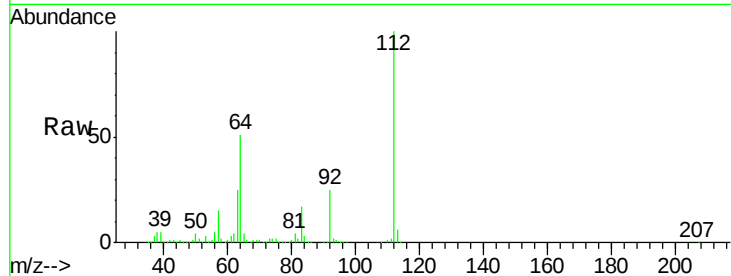
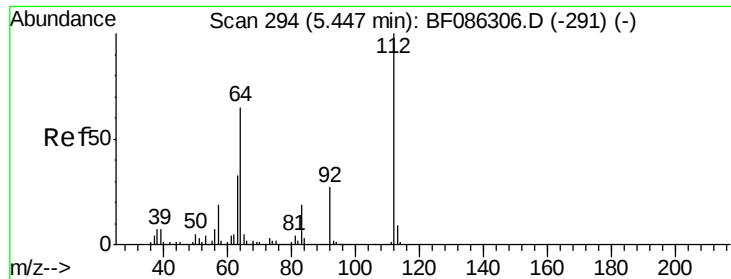
Delta R.T. 0.09 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		291740		
74	154.3		100.5	150.7#	
44	7.7		5.4	8.0	





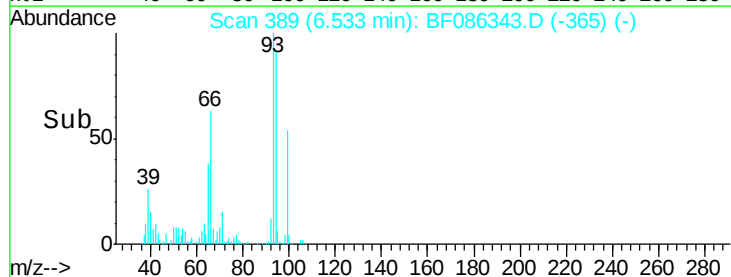
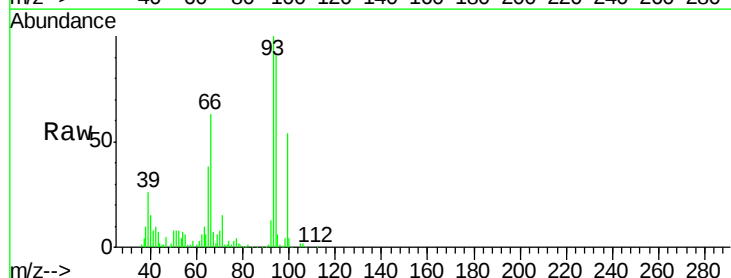
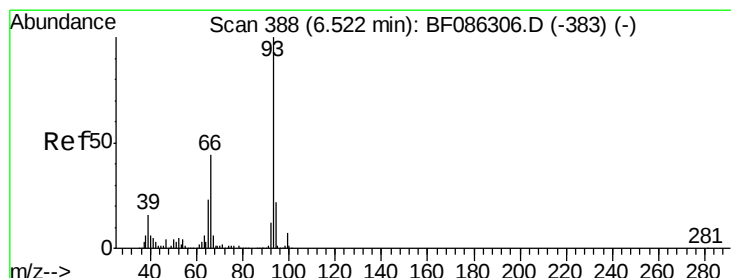
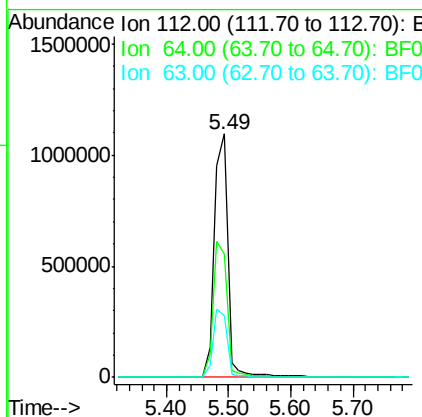
#5
2-Fluorophenol
Concen: 135.87 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.01 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tot Ion	Ratio	Lower	Upper
112	100		
64	50.7	48.1	72.1
63	25.3	25.5	38.3#

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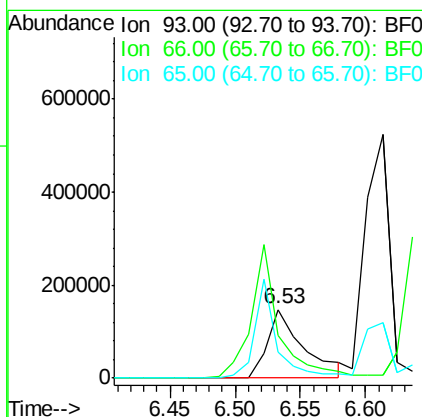
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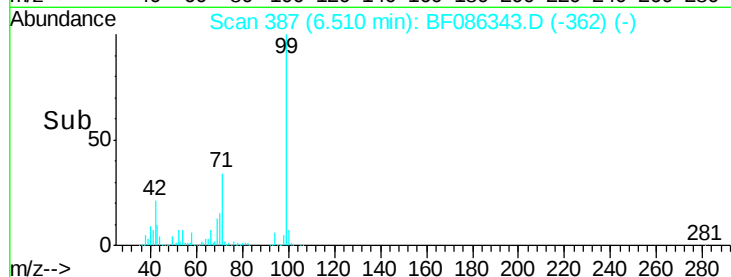
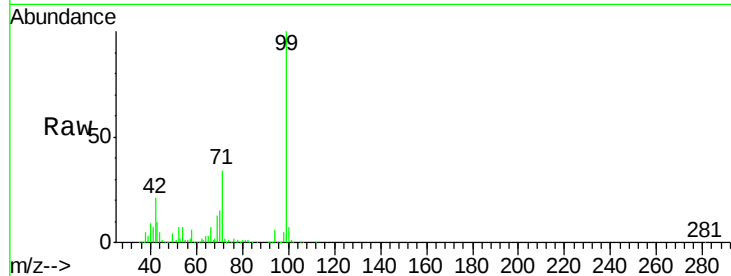
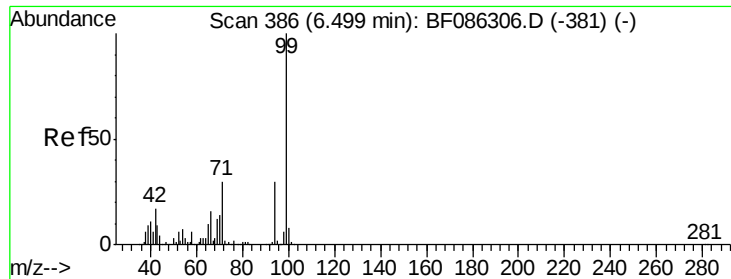
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#6
Aniline
Concen: 13.50 ng
RT: 6.53 min Scan# 389
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	Ratio	Lower	Upper
93	100		
66	62.6	32.2	48.2#
65	38.4	16.4	24.6#





#7

Phenol-d6

Concen: 115.82 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086343.D

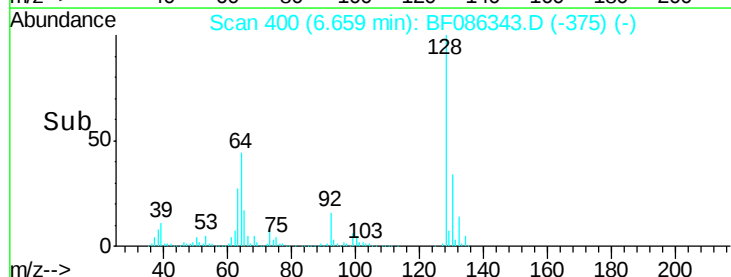
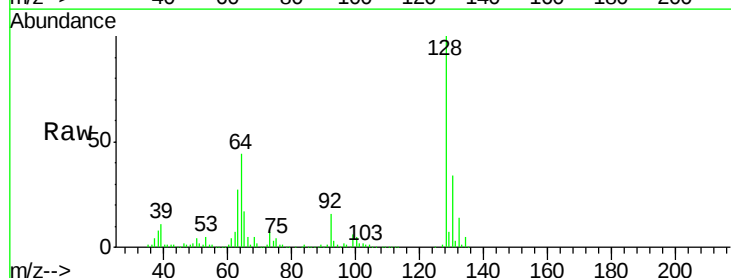
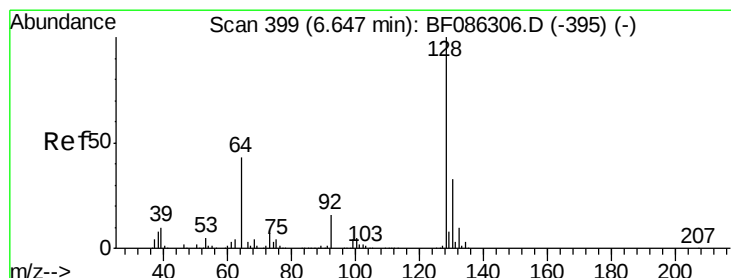
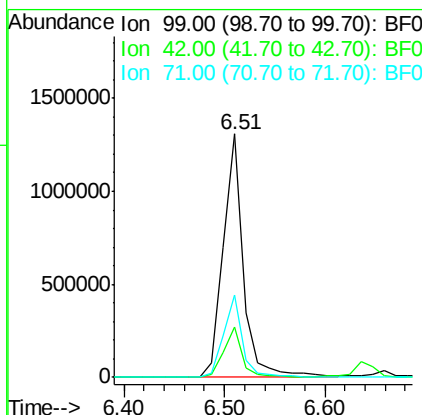
Acq: 21 Apr 2016 7:40

Tot Ion:	99	Resp:	1833861
Ion	Ratio	Lower	Upper
99	100		
42	20.6	15.4	23.2
71	33.8	25.6	38.4

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#8

2-Chlorophenol

Concen: 42.57 ng

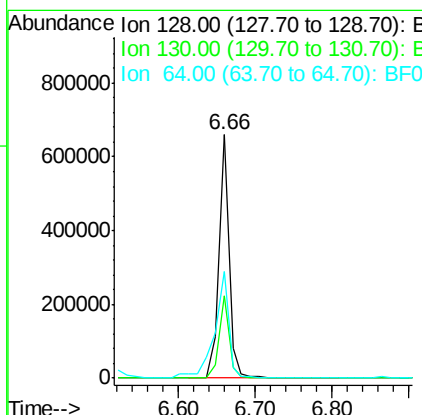
RT: 6.66 min Scan# 400

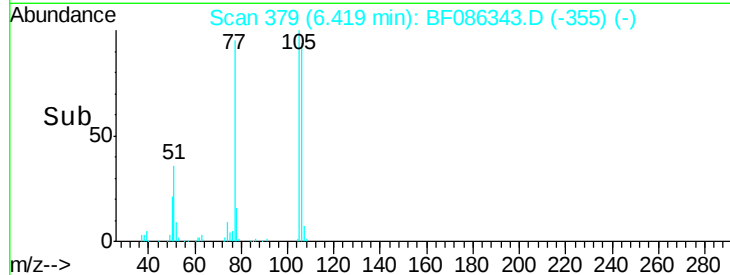
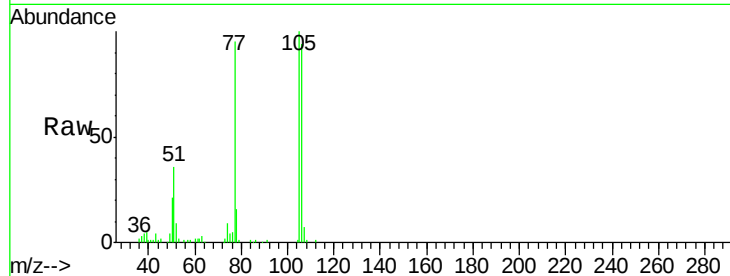
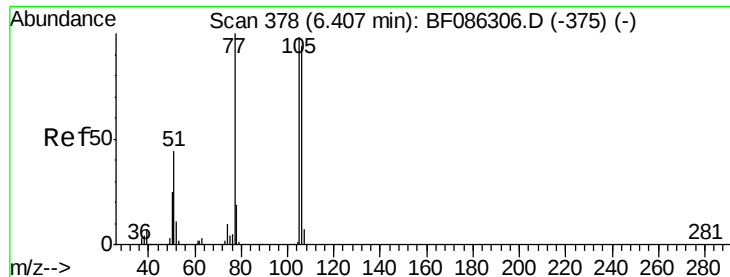
Delta R.T. -0.01 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt Ion:	128	Resp:	611741
Ion	Ratio	Lower	Upper
128	100		
130	33.6	11.8	51.8
64	43.9	39.5	79.5





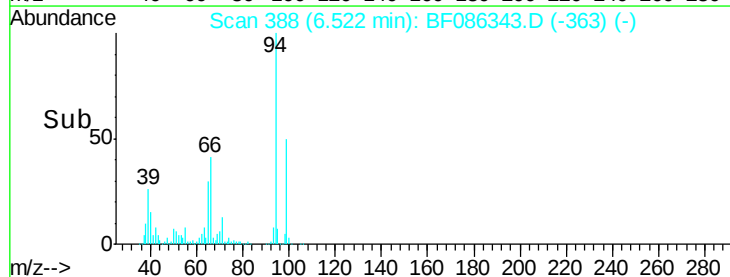
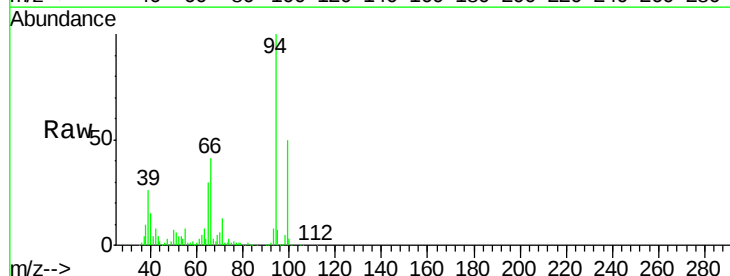
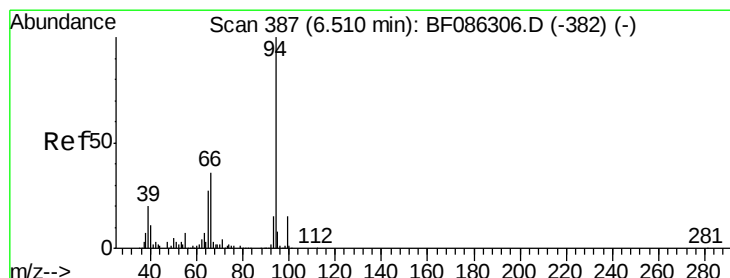
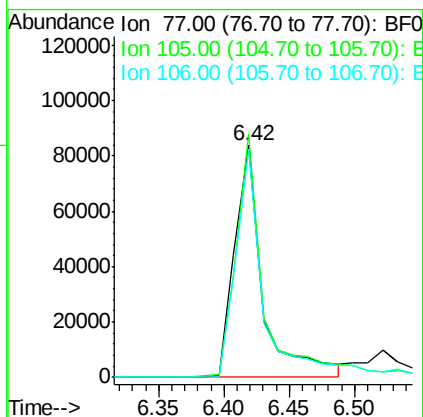
#9
Benzaldehyde
Concen: 11.14 ng
RT: 6.42 min Scan# 379
Delta R.T. -0.02 min
Lab File: BF086343.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	105.2	84.6	124.6		
106	98.7	78.6	118.6		

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ClientSampleId :
B-931WB(N)(19)MSD

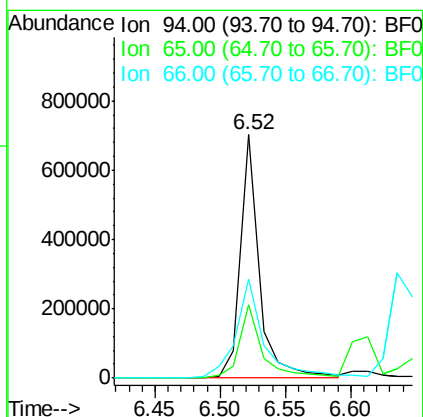
Manual Integrations
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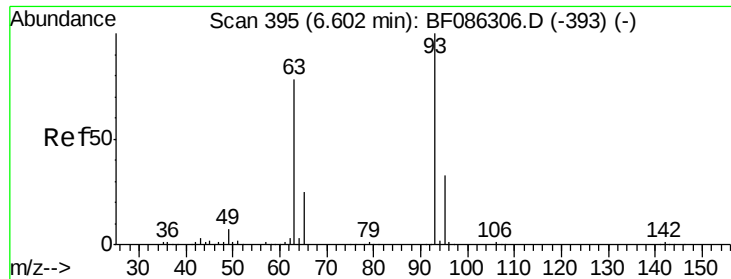
sohil
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#10
Phenol
Concen: 38.99 ng
RT: 6.52 min Scan# 388
Delta R.T. -0.01 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	30.2	7.9	47.9		
66	40.9	16.5	56.5		





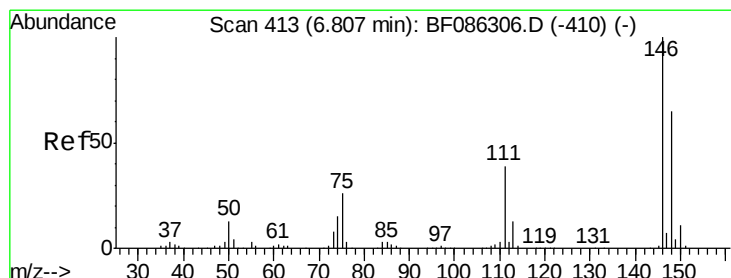
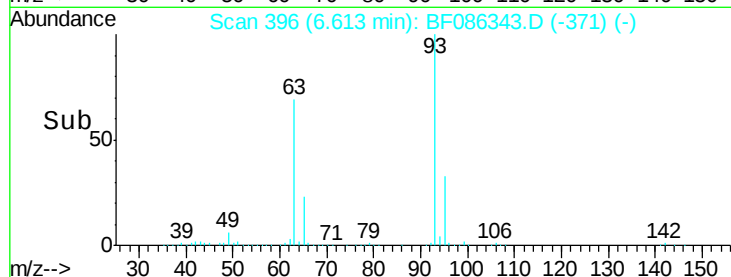
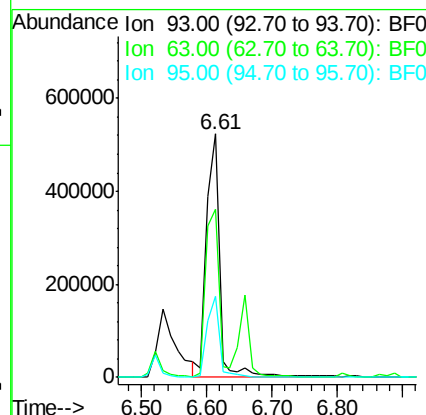
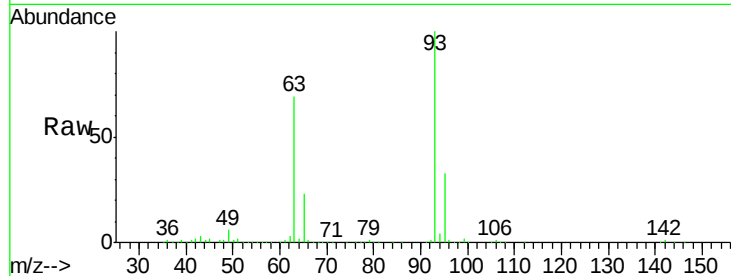
#11
bis(2-Chloroethyl)ether
Concen: 45.26 ng
RT: 6.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	717241		
63	68.8		44.4	84.4
95	33.2		13.1	53.1

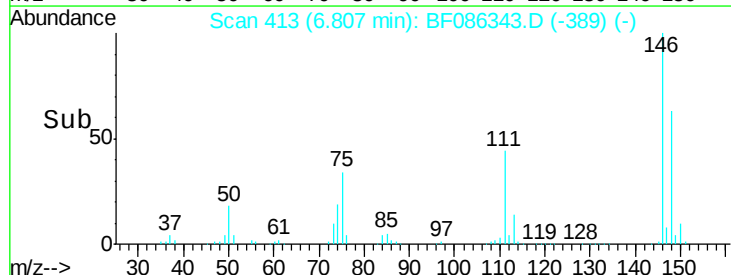
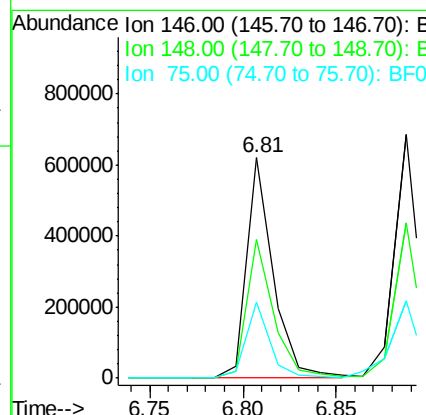
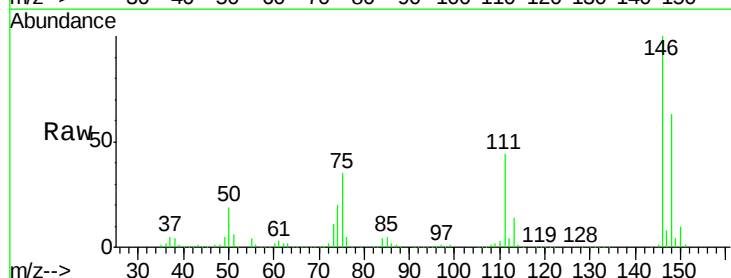
Manual Integrations
APPROVED

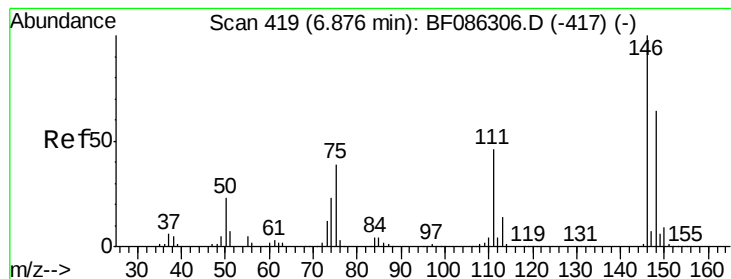
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#12
1,3-Dichlorobenzene
Concen: 39.20 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	618134		
148	63.1		51.0	76.4
75	34.6		29.9	44.9





#13

1,4-Dichlorobenzene

Concen: 39.42 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

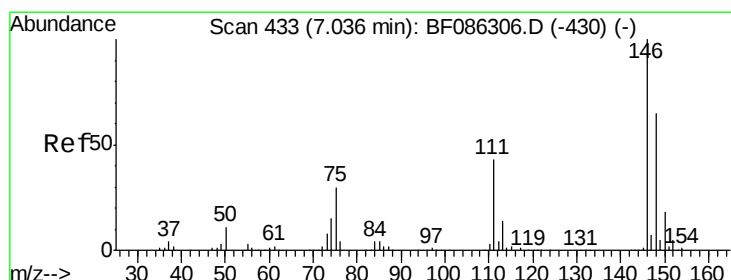
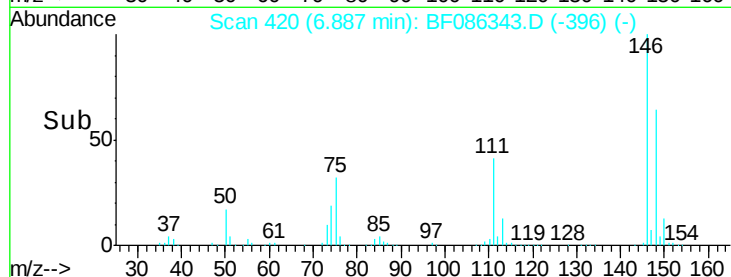
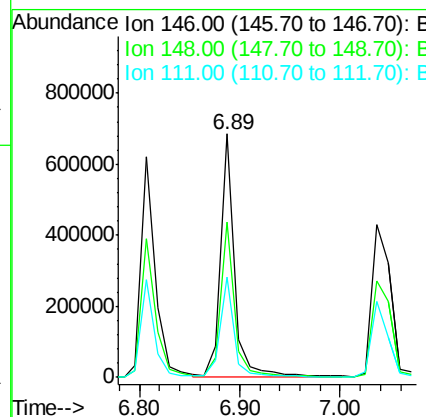
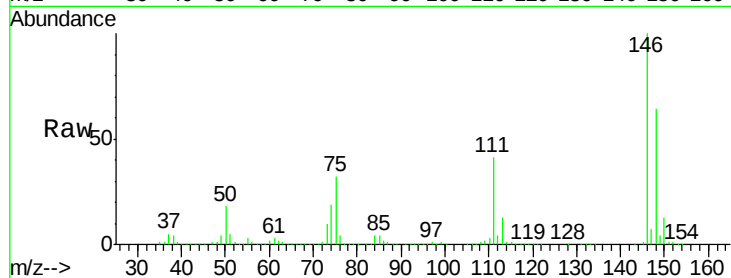
B-931WB(N)(19)MSD

Manual Integrations
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Tot Ion:	146	Resp:	664226
Ion Ratio	Lower	Upper	
146	100		
148	64.0	51.8	77.6
111	41.4	34.9	52.3



#14

1,2-Dichlorobenzene

Concen: 37.53 ng m

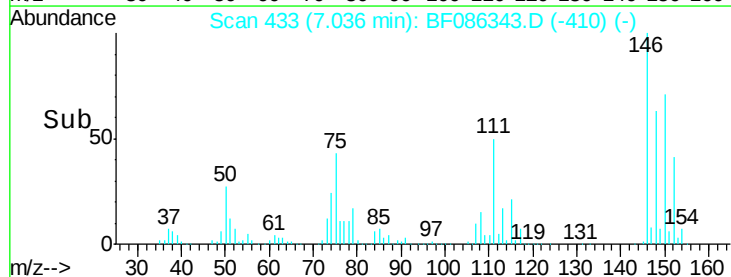
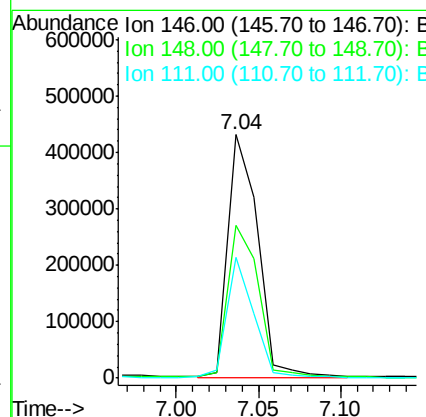
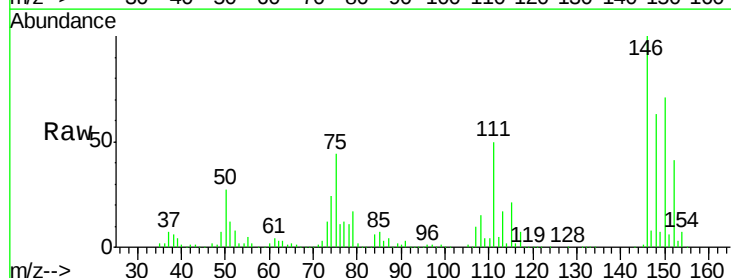
RT: 7.04 min Scan# 433

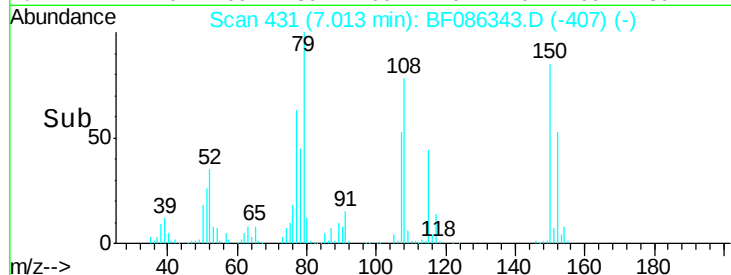
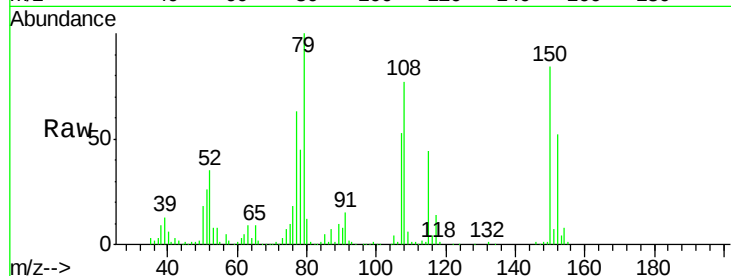
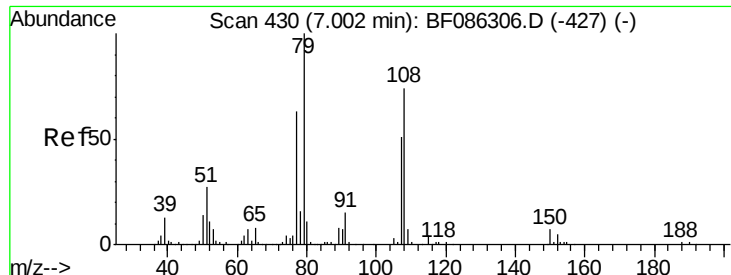
Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt Ion:	146	Resp:	560901
Ion Ratio	Lower	Upper	
146	100		
148	62.9	52.2	78.2
111	49.8	31.0	46.4#





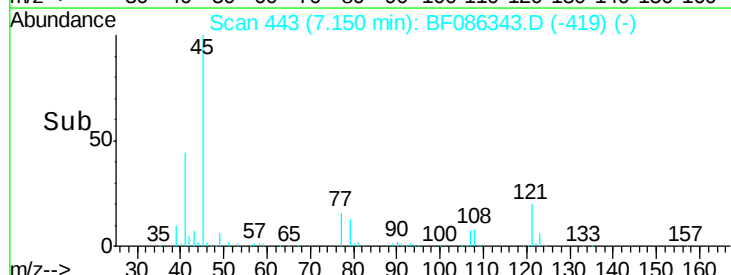
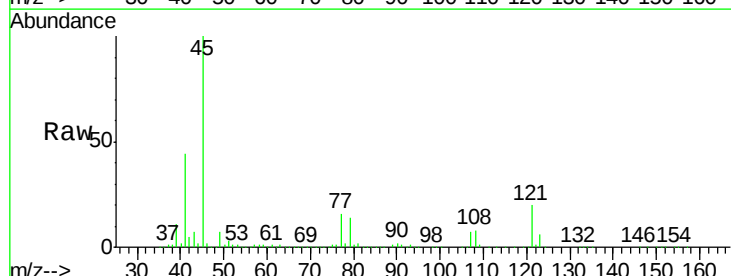
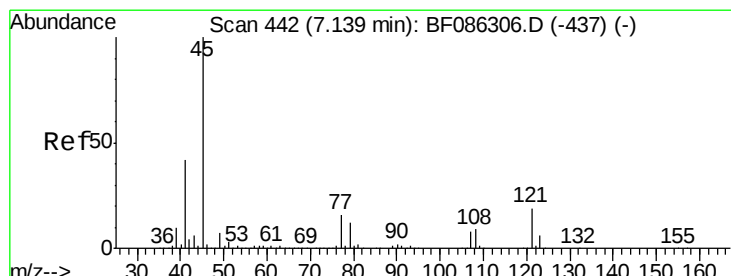
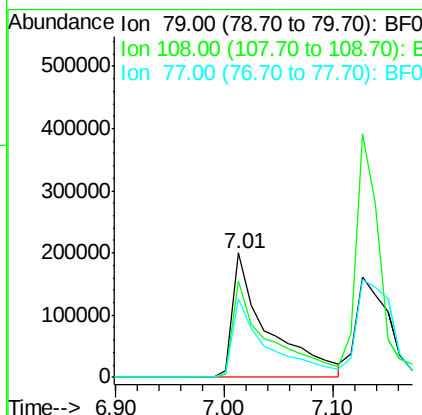
#15
Benzyl Alcohol
Concen: 45.45 ng
RT: 7.01 min Scan# 431
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tot Ion	79	Resp	447156
Ion Ratio	Lower	Upper	
79	100		
108	77.4	64.8	97.2
77	63.3	51.9	77.9

Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

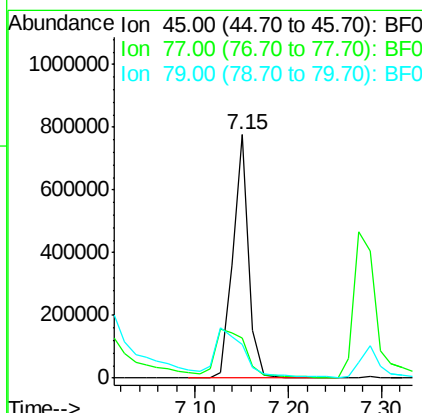
Manual Integrations
APPROVED

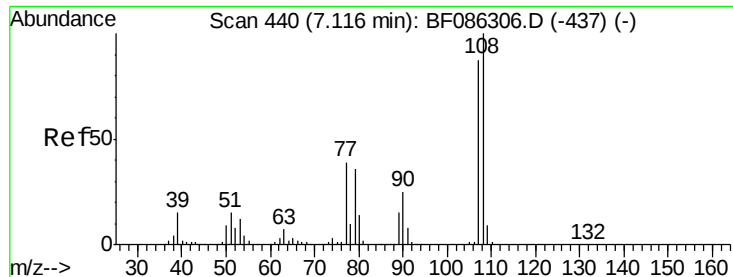
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.90 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	45	Resp	912076
Ion Ratio	Lower	Upper	
45	100		
77	16.3	0.0	33.7
79	13.7	0.0	30.1





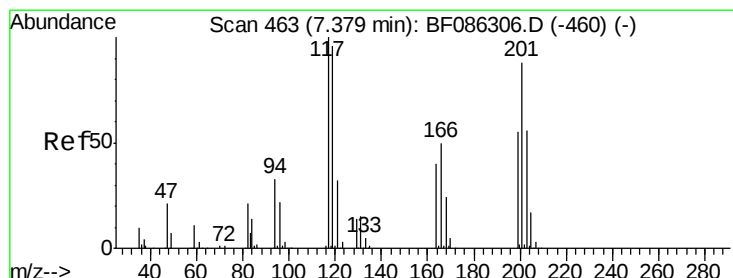
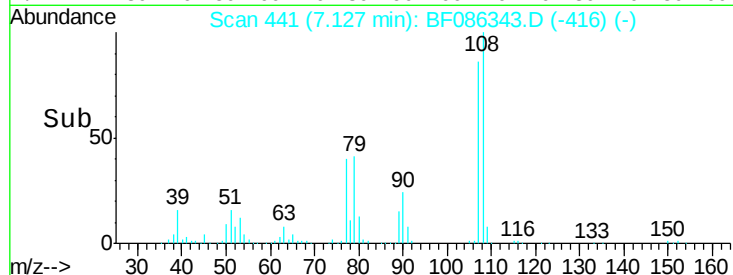
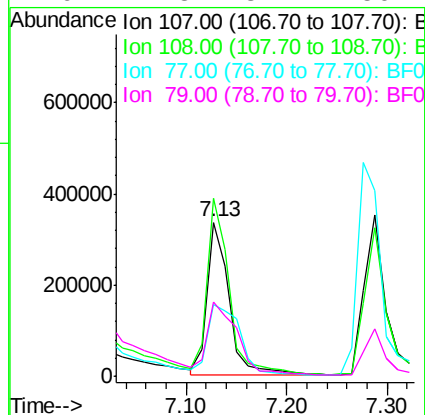
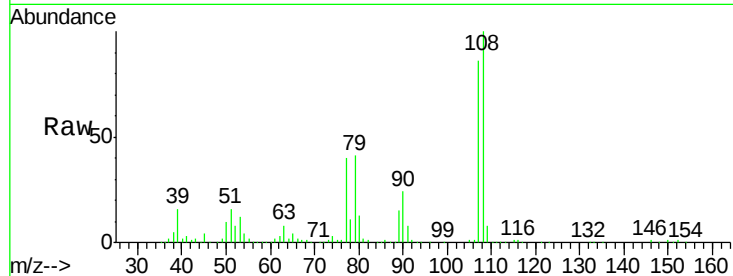
#17
2-Methylphenol
Concen: 42.35 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100			
108	108	115.8	92.7	139.1	
77	77	46.5	39.6	59.4	
79	79	47.8	37.4	56.2	

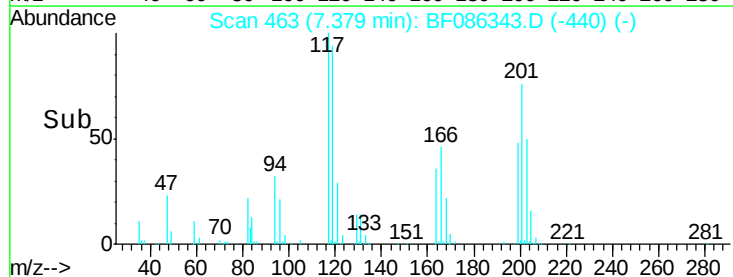
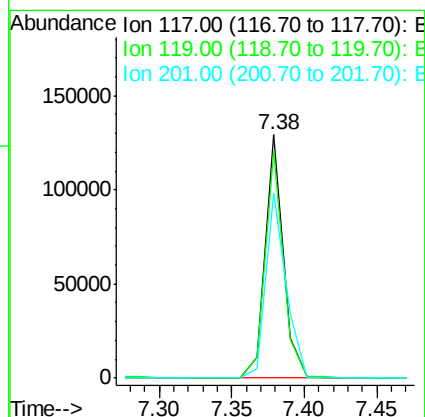
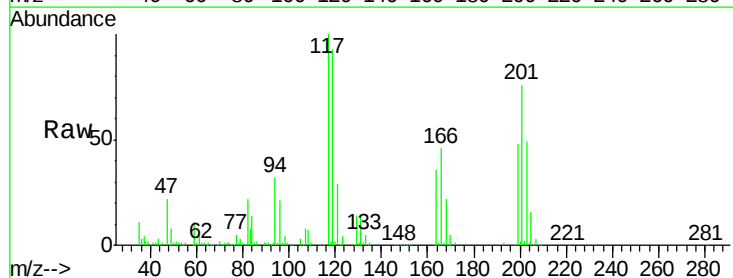
Manual Integrations
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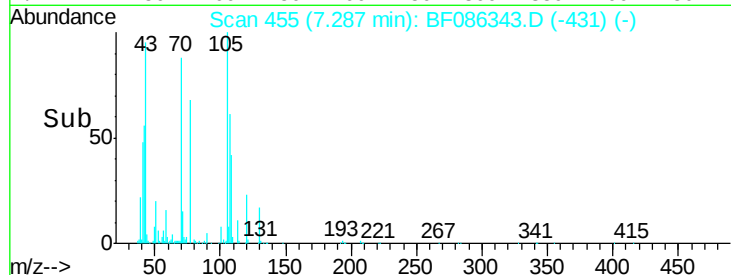
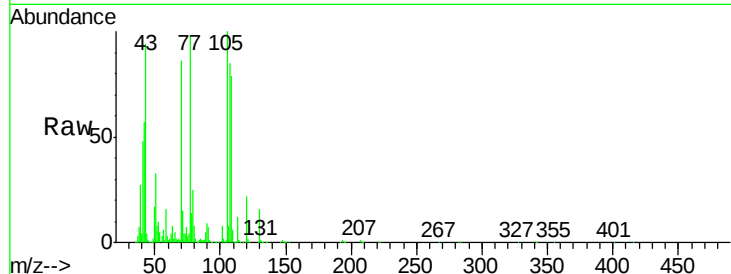
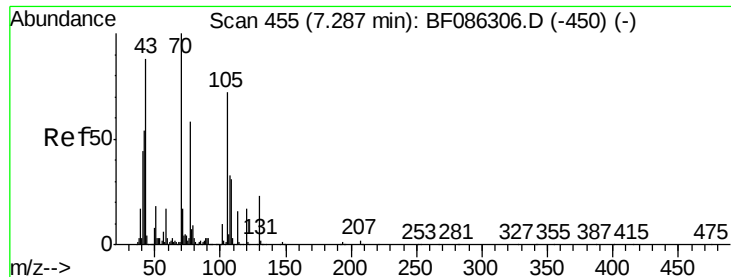
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#18
Hexachloroethane
Concen: 22.31 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.03 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100			
119	119	93.1	78.2	117.4	
201	201	75.6	75.7	113.5#	





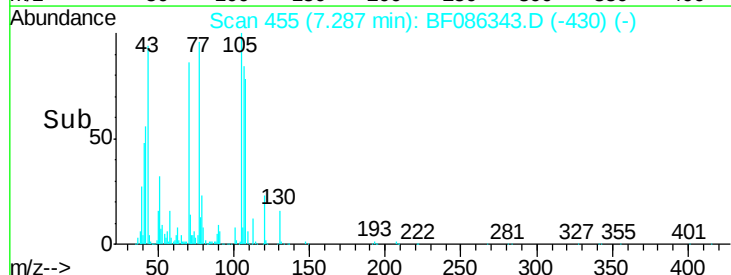
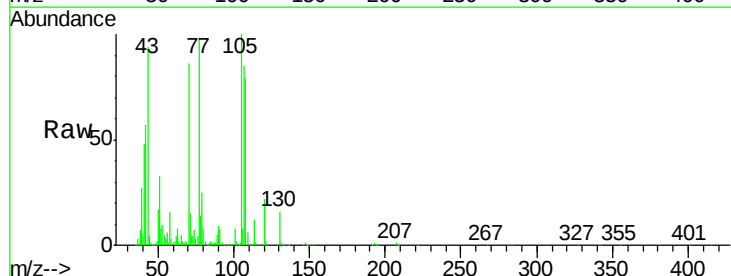
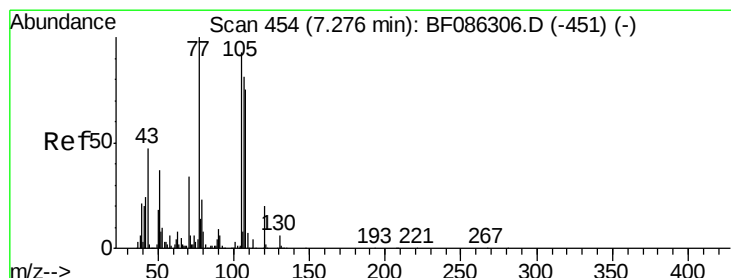
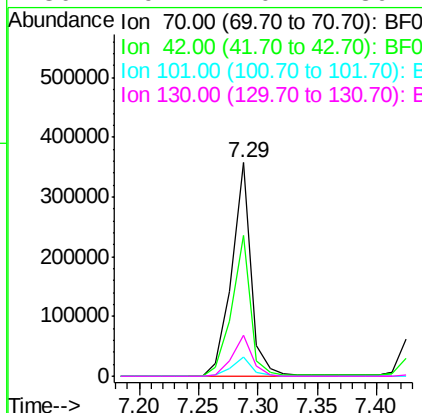
#19
n-Nitroso-di-n-propylamine
Concen: 42.42 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	65.7	43.0	64.4#		
101	9.0	8.1	12.1		
130	19.1	20.1	30.1#		

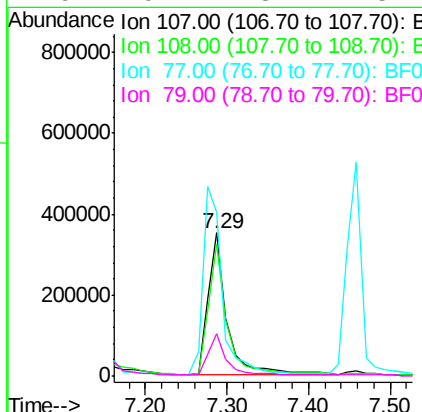
Manual Integrations
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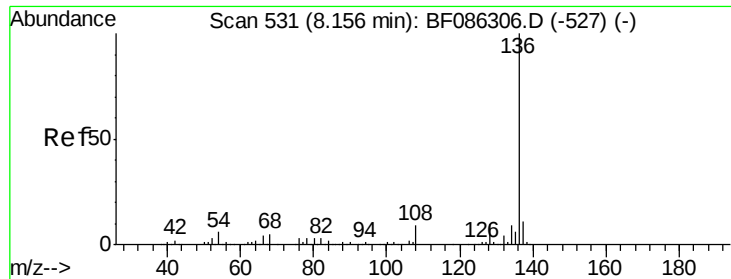
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#20
3+4-Methylphenols
Concen: 44.59 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	92.5	69.7	109.7		
77	114.8	60.5	100.5#		
79	29.4	8.1	48.1		





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

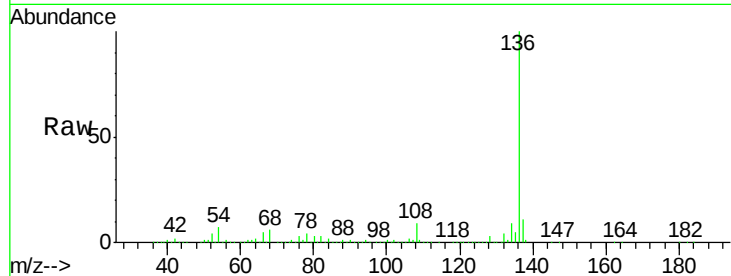
ClientSampleId :

B-931WB(N)(19)MSD

Manual Integrations
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.1		9.1	13.7	
54	7.4		7.3	10.9	
68	6.3		5.7	8.5	



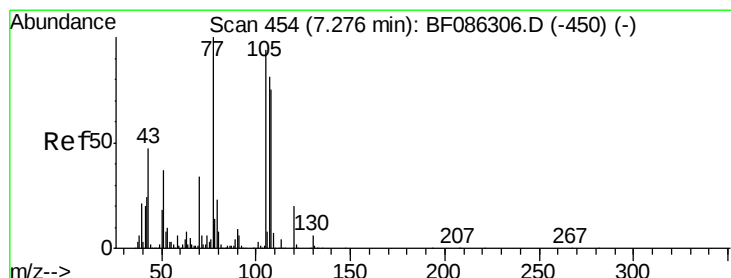
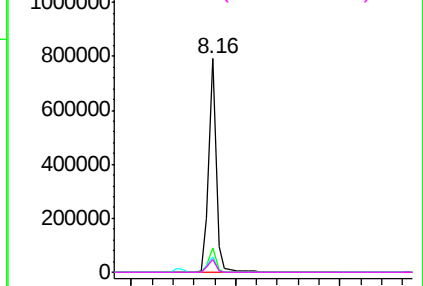
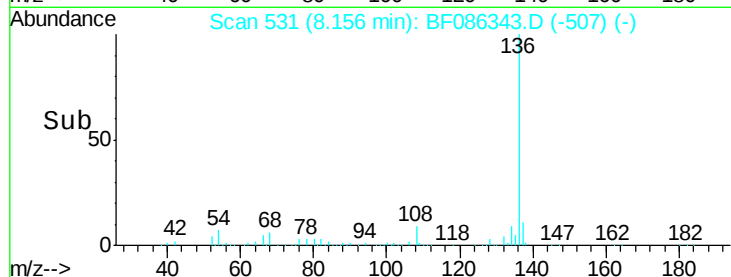
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 49.03 ng

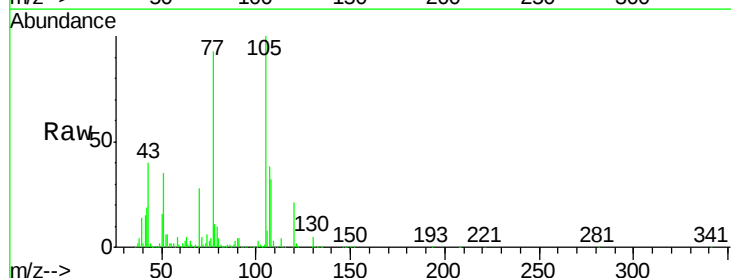
RT: 7.28 min Scan# 454

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100				
71	5.0		4.0	6.0	
51	34.5		22.0	33.0	
120	21.5		17.5	26.3	



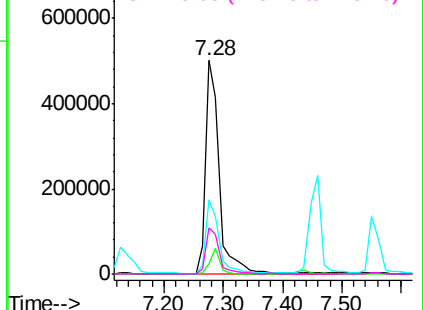
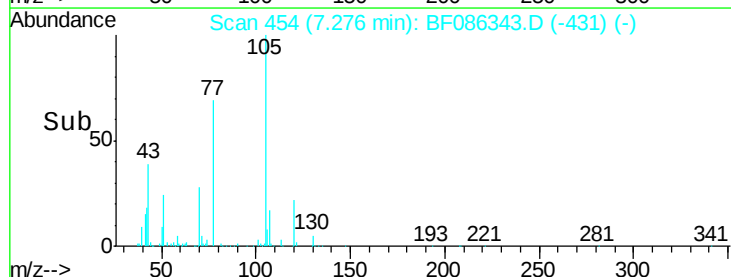
Abundance

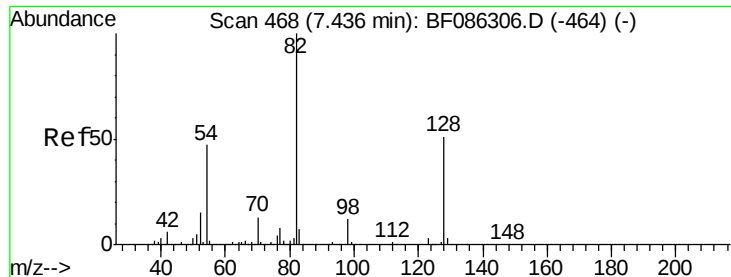
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





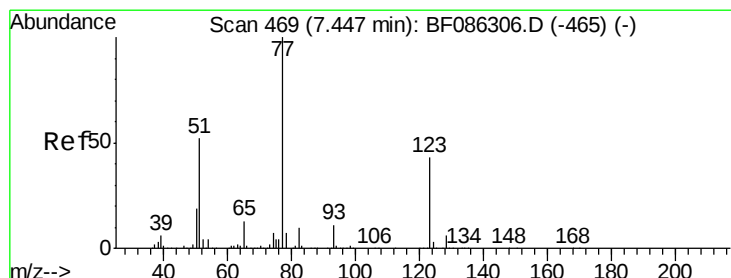
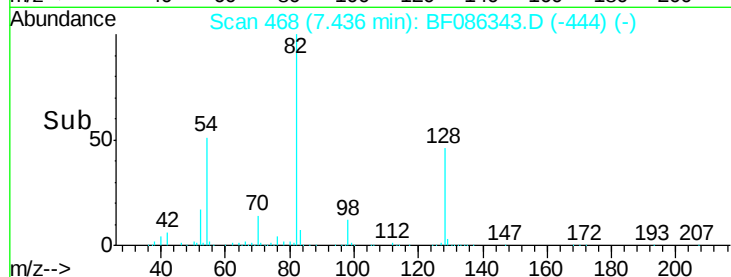
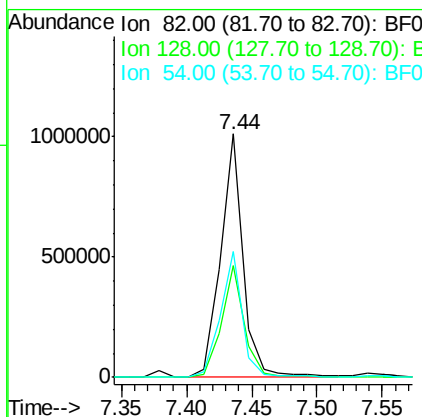
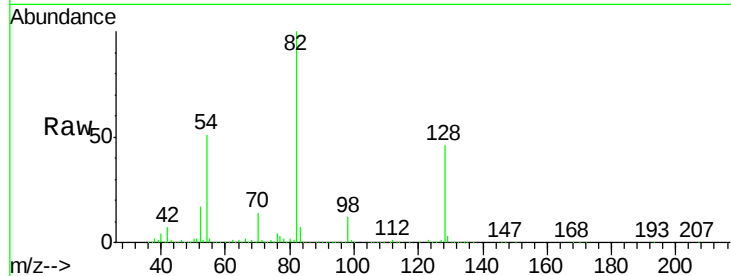
#23
 Nitrobenzene-d5
 Concen: 88.83 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

Tot Ion	82	Resp	1225355
Ion Ratio	100	Lower	Upper
128	45.8	35.4	53.2
54	51.5	43.4	65.0

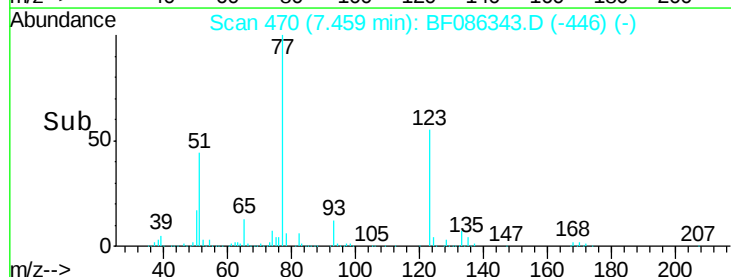
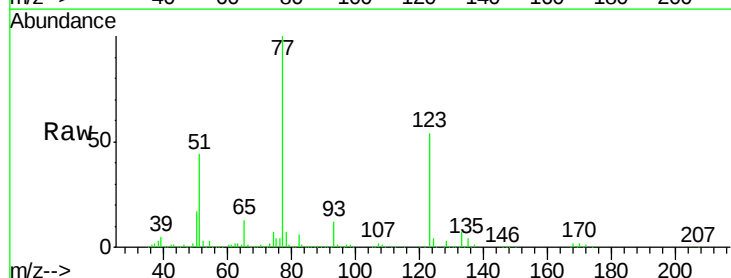
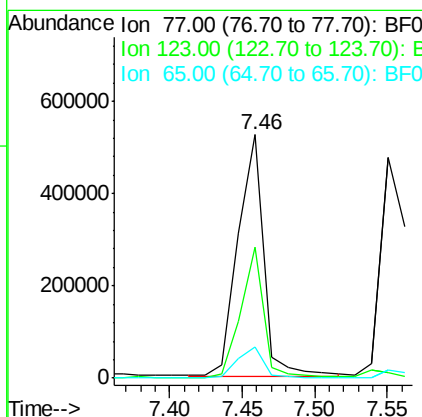
Manual Integrations
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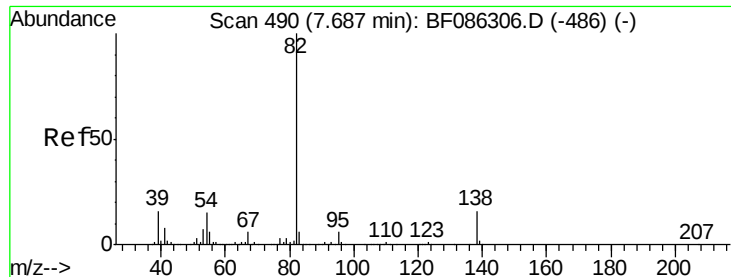
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#24
 Nitrobenzene
 Concen: 44.06 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion	77	Resp	650287
Ion Ratio	100	Lower	Upper
123	53.7	38.3	57.5
65	12.8	11.3	16.9





#25

Isophorone

Concen: 47.43 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

Tot Ion: 82 Resp: 1239623

Ion Ratio Lower Upper

82 100

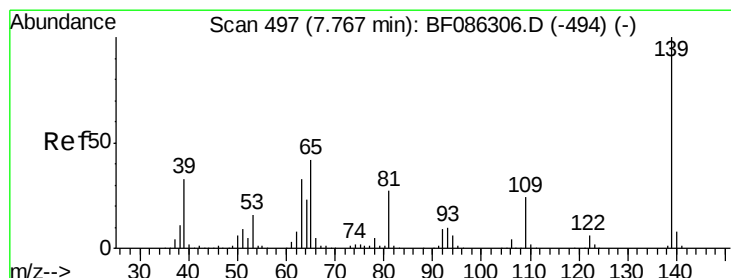
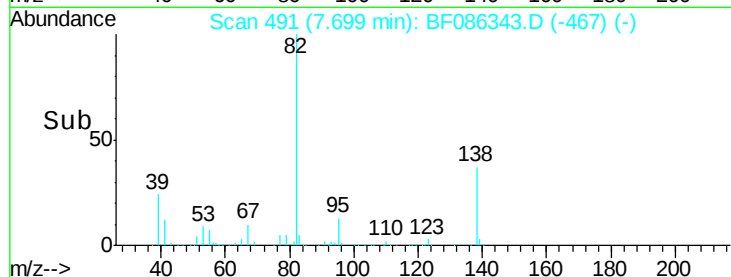
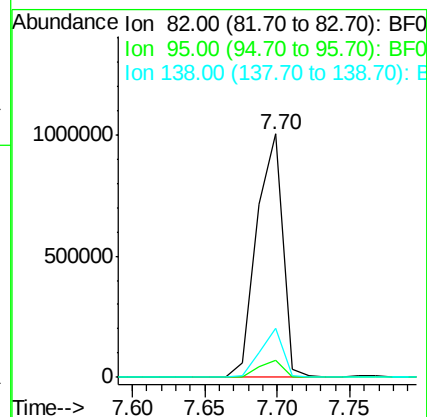
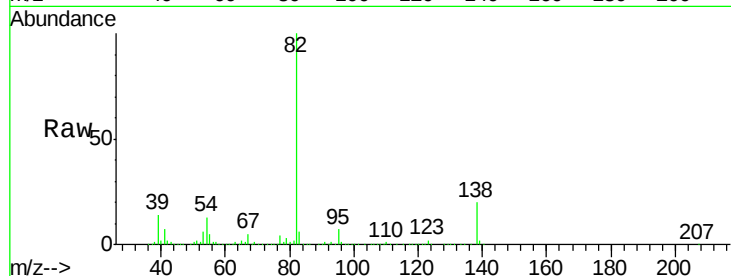
95 6.9 5.4 8.2

138 20.1 13.4 20.2

Manual Integrations
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#26

2-Nitrophenol

Concen: 31.72 ng

RT: 7.77 min Scan# 497

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

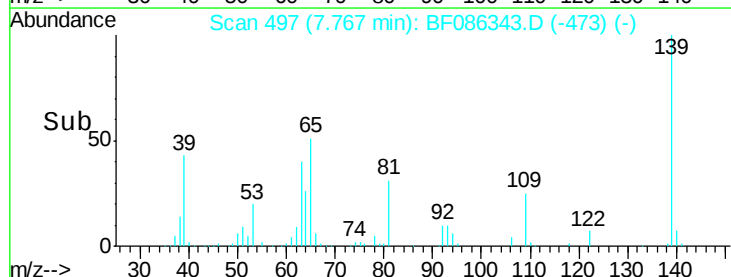
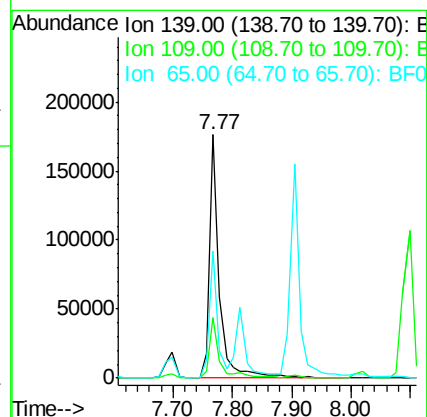
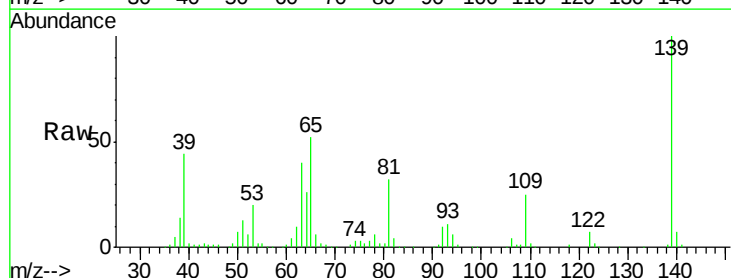
Tgt Ion: 139 Resp: 209377

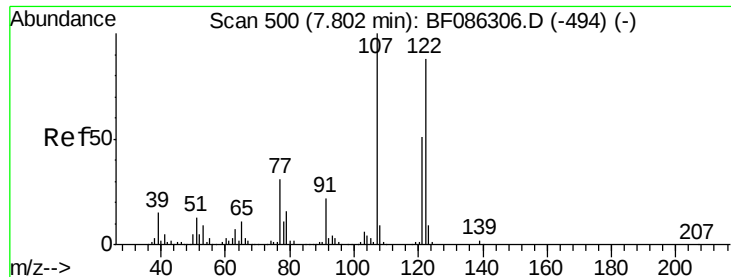
Ion Ratio Lower Upper

139 100

109 25.1 25.8 38.8#

65 52.1 50.2 75.2





#27

2,4-Dimethylphenol

Concen: 42.27 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

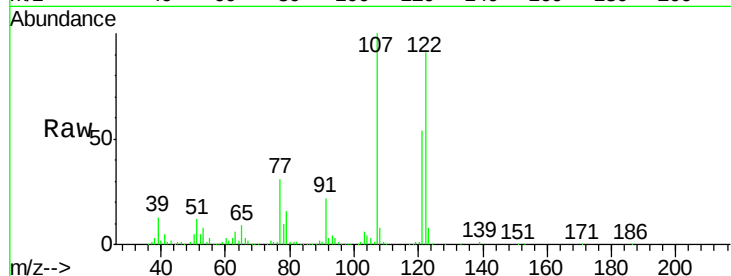
ClientSampleId :

B-931WB(N)(19)MSD

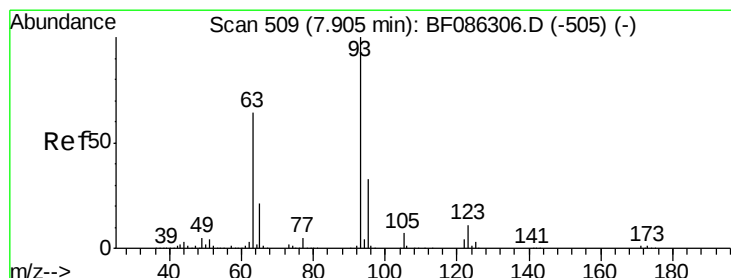
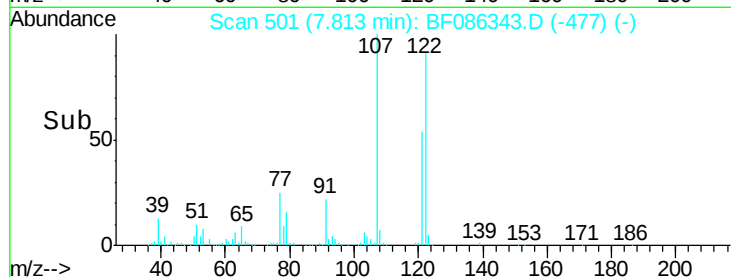
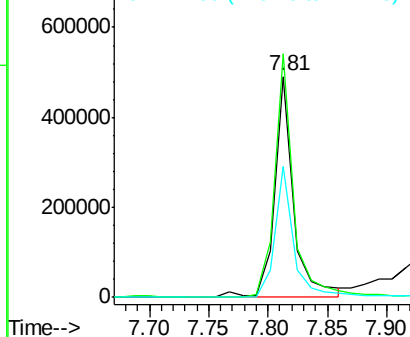
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Tot Ion:	122	Resp:	547293
Ion Ratio	Lower	Upper	
122	100		
107	110.1	85.8	128.6
121	59.2	47.1	70.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 50.64 ng

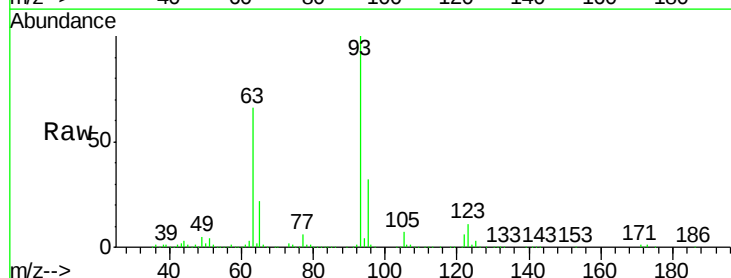
RT: 7.90 min Scan# 509

Delta R.T. -0.02 min

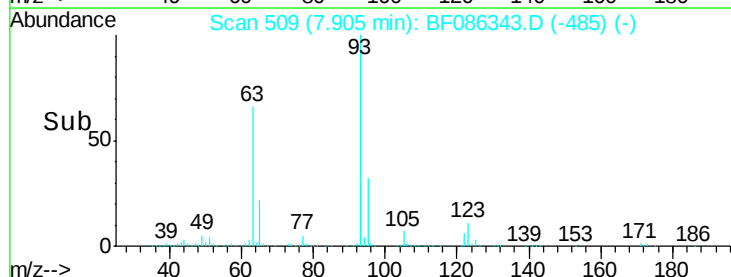
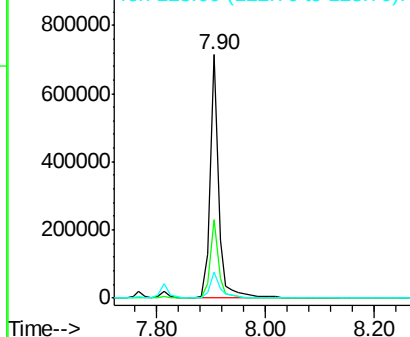
Lab File: BF086343.D

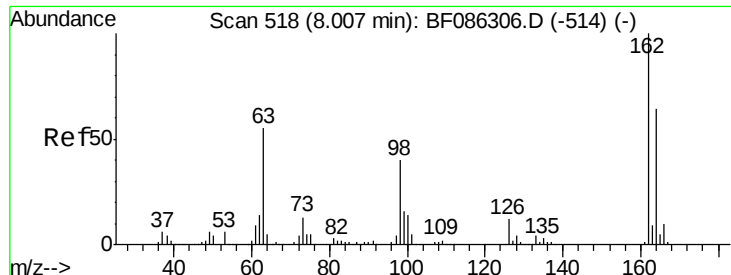
Acq: 21 Apr 2016 7:40

Tgt Ion:	93	Resp:	774015
Ion Ratio	Lower	Upper	
93	100		
95	32.1	25.8	38.8
123	10.7	8.9	13.3



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E





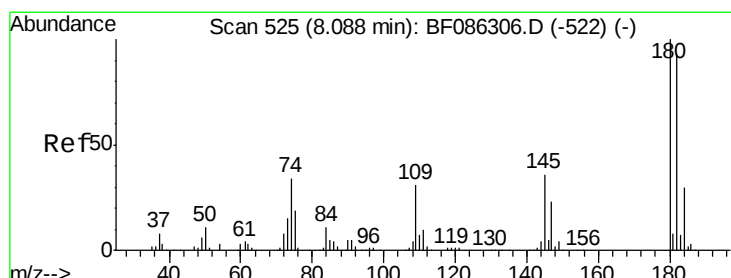
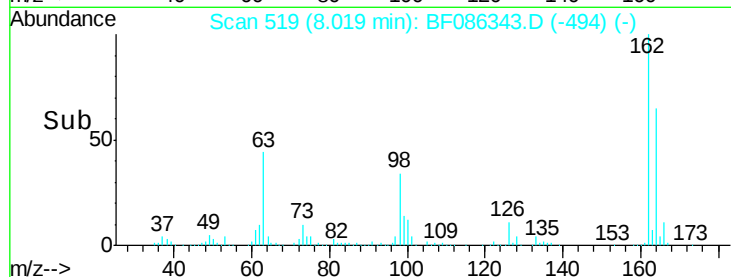
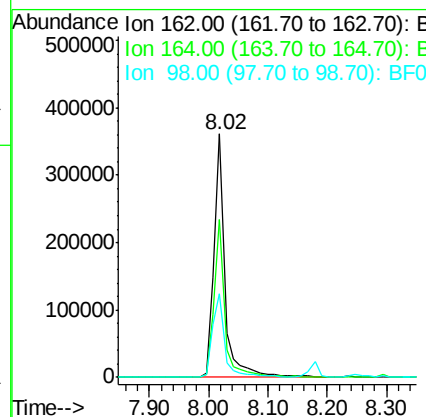
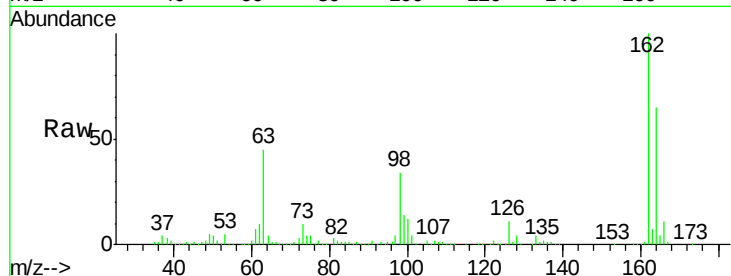
#29
 2,4-Dichlorophenol
 Concen: 46.04 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		470090		
164	65.0	43.3	83.3		
98	34.2	22.9	62.9		

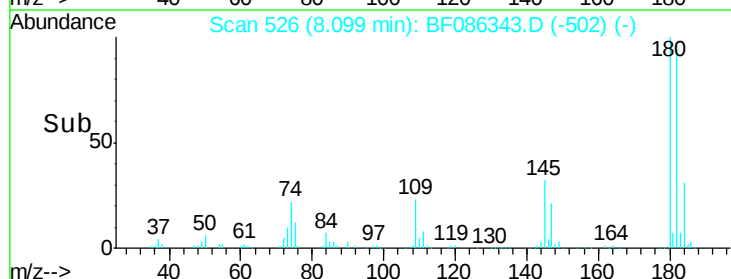
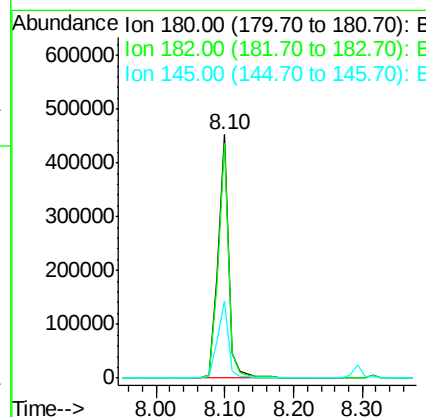
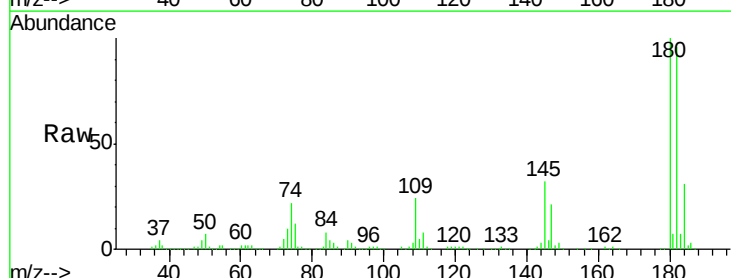
Manual Integrations
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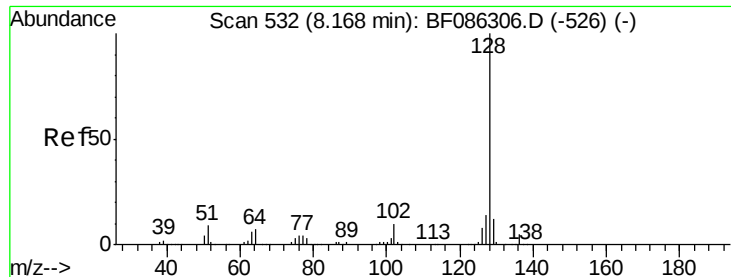
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#30
 1,2,4-Trichlorobenzene
 Concen: 45.16 ng
 RT: 8.10 min Scan# 526
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		497390		
182	96.2	76.3	114.5		
145	31.9	27.4	41.2		





#31

Naphthalene

Concen: 45.98 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

Tot Ion:128 Resp: 1731645

Ion Ratio Lower Upper

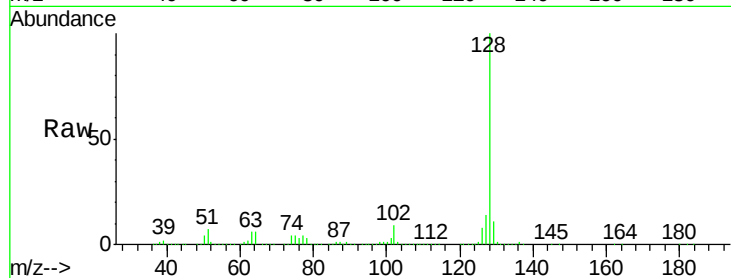
128 100

129 11.4 9.6 14.4

127 13.9 11.4 17.2

Manual Integrations
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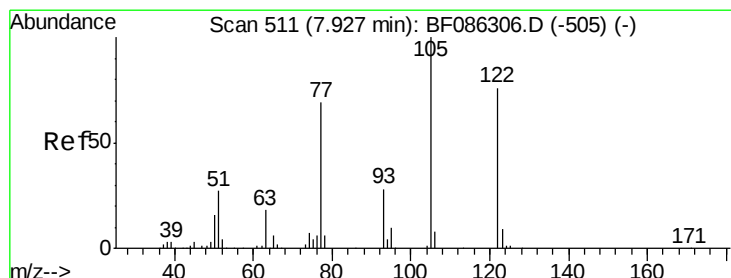
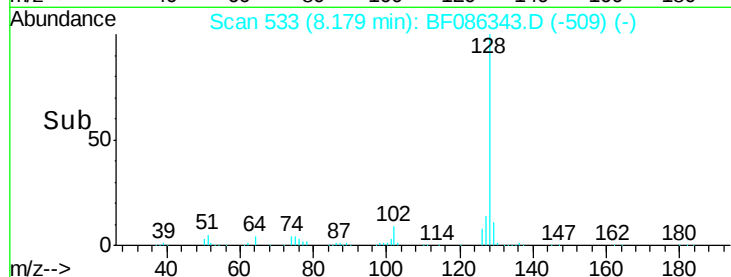
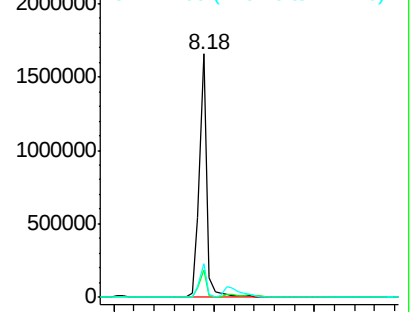
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 39.37 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

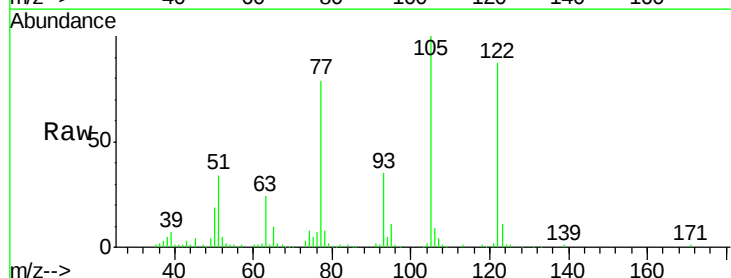
Tgt Ion:122 Resp: 302881

Ion Ratio Lower Upper

122 100

105 115.4 103.7 143.7

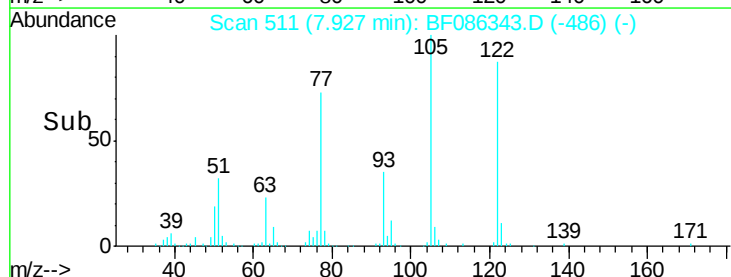
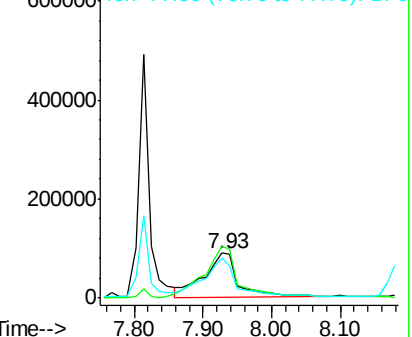
77 90.7 74.9 114.9

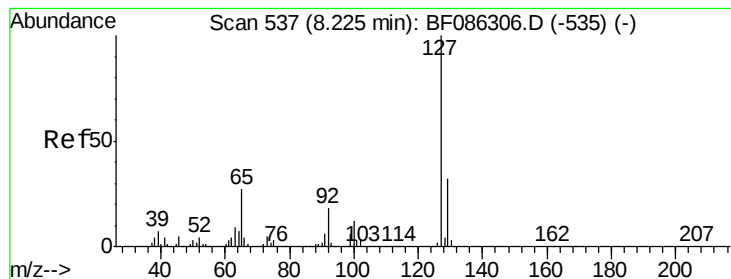


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





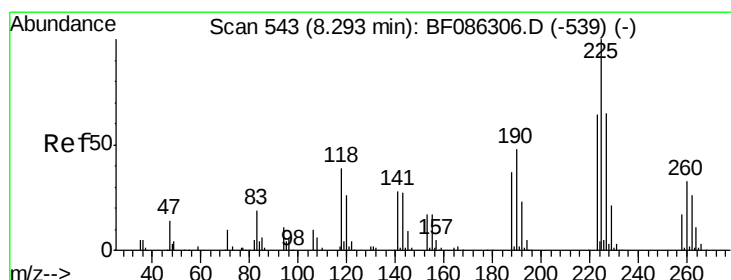
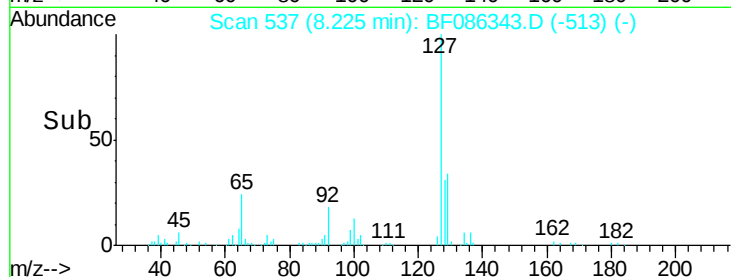
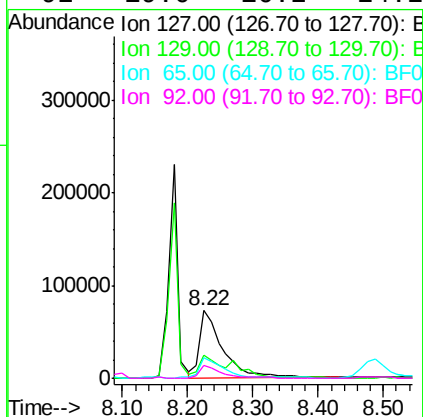
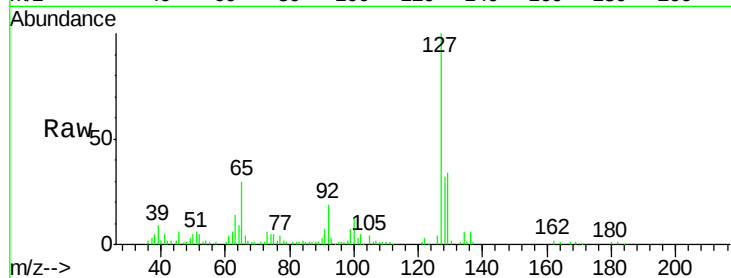
#33
4-Chloroaniline
Concen: 11.53 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		179774		
129	33.7	26.8	40.2		
65	30.0	27.1	40.7		
92	19.0	16.2	24.2		

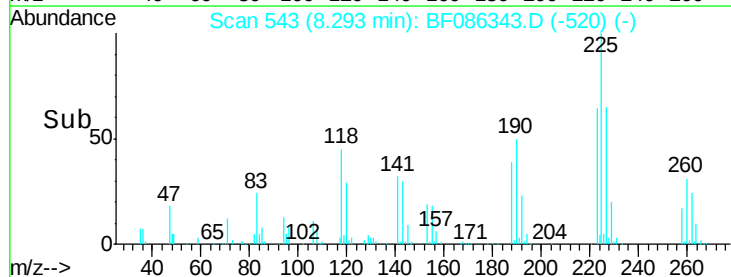
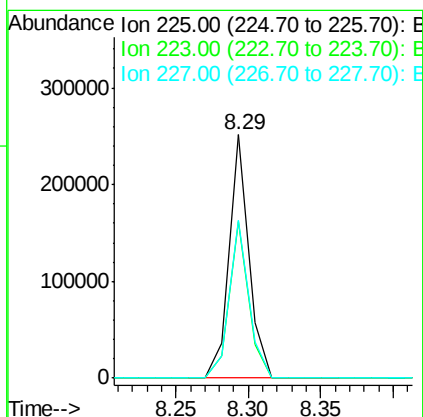
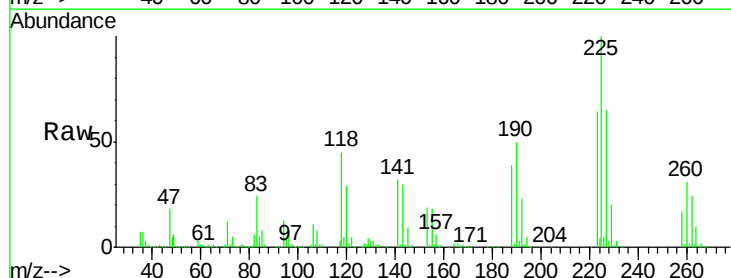
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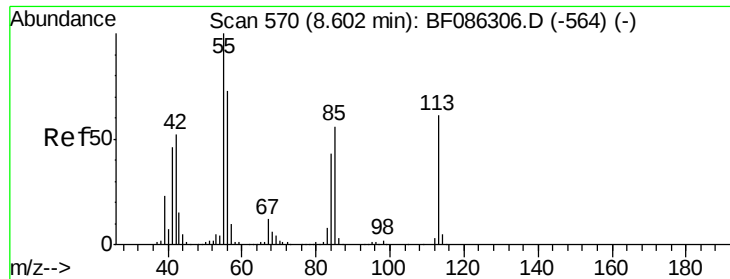
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#34
Hexachlorobutadiene
Concen: 42.83 ng
RT: 8.29 min Scan# 543
Delta R.T. -0.03 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		237754		
223	64.1	49.4	74.0		
227	64.6	51.1	76.7		





#35

Caprolactam

Concen: 40.33 ng

RT: 8.59 min Scan# 569

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

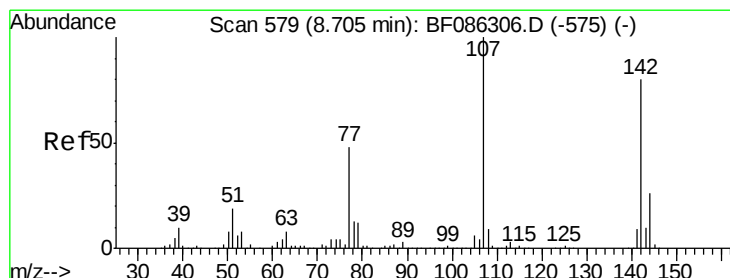
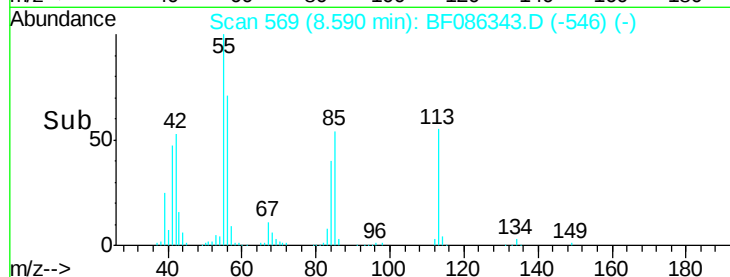
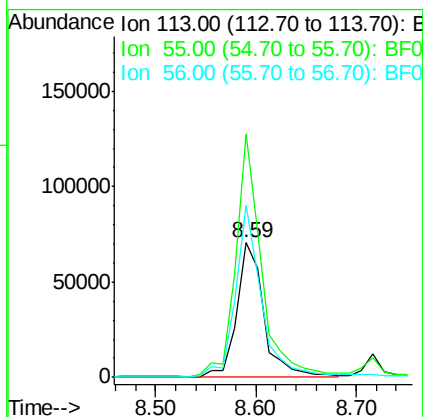
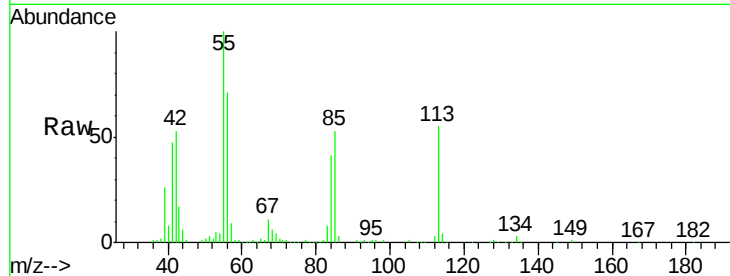
ClientSampleId :

B-931WB(N)(19)MSD

Tot Ion:	113	Resp:	133353
Ion Ratio	Lower	Upper	
113	100		
55	181.3	117.5	157.5#
56	128.0	82.5	122.5#

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 42.37 ng

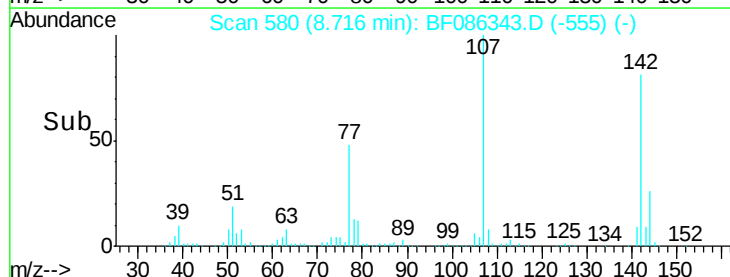
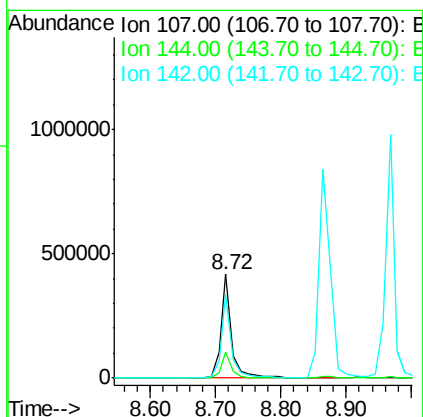
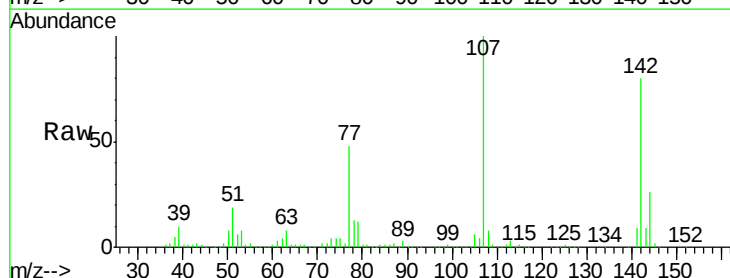
RT: 8.72 min Scan# 580

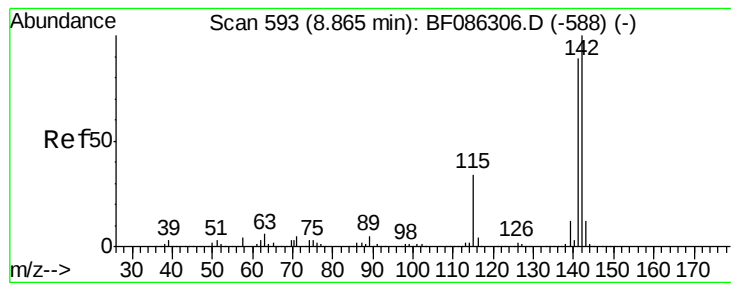
Delta R.T. -0.01 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt Ion:	107	Resp:	486465
Ion Ratio	Lower	Upper	
107	100		
144	25.7	20.7	31.1
142	80.4	64.5	96.7





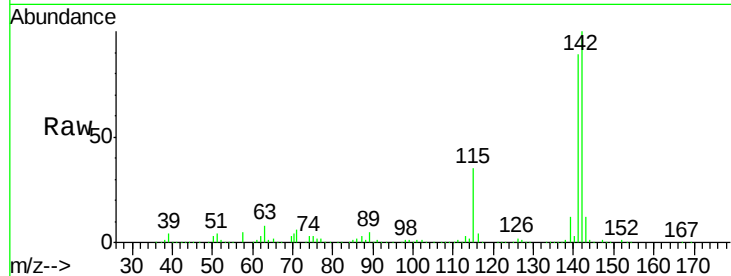
#37
2-Methylnaphthalene
Concen: 43.09 ng
RT: 8.86 min Scan# 593
Delta R.T. -0.03 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

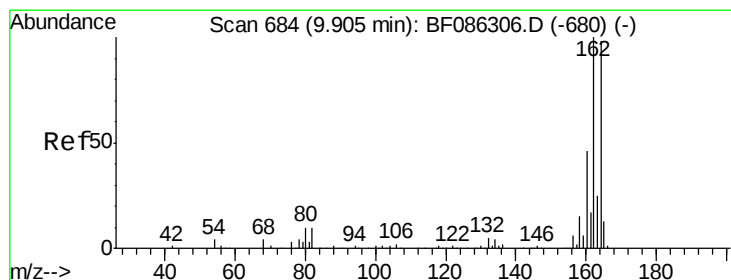
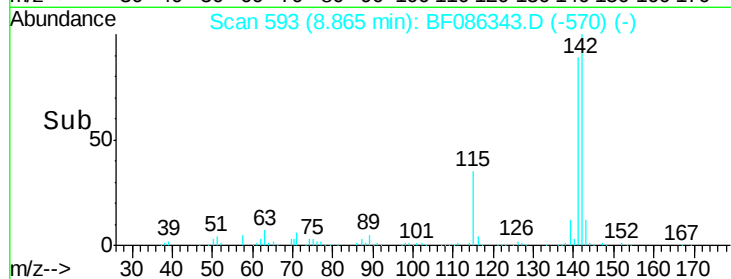
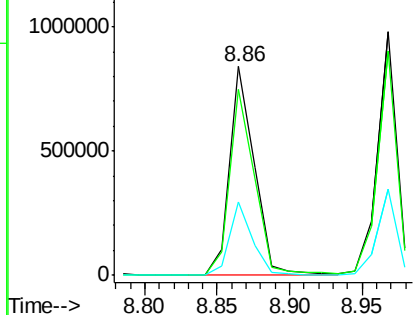
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.1	106.7
115	35.3	25.1	37.7

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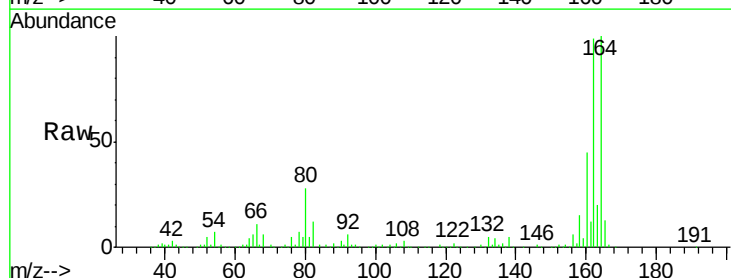


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

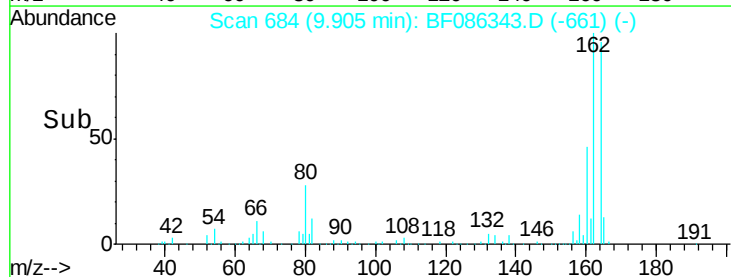
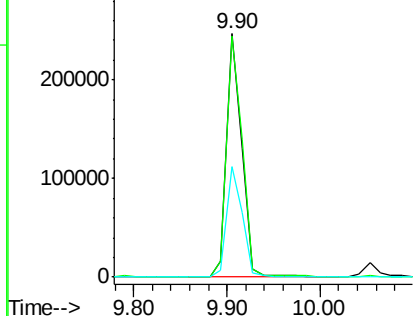


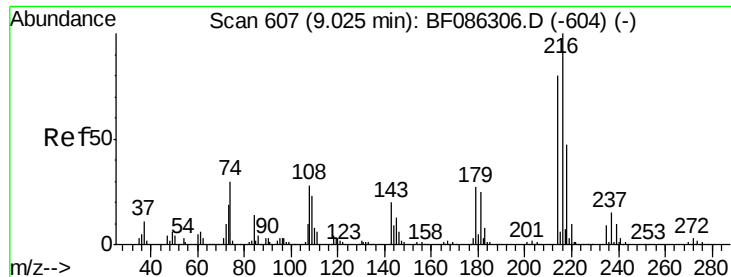
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.03 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.2	82.8	124.2
160	45.2	38.9	58.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 54.75 ng

RT: 9.04 min Scan# 608

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

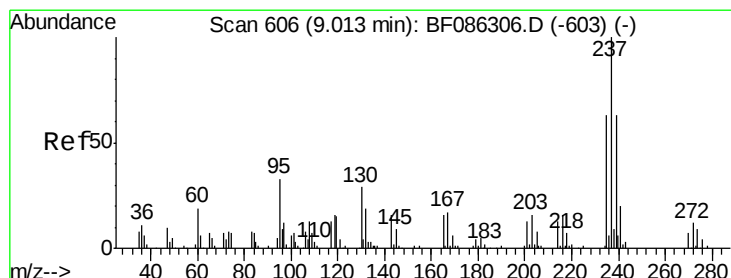
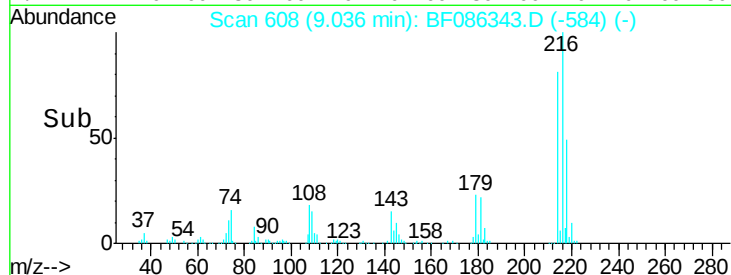
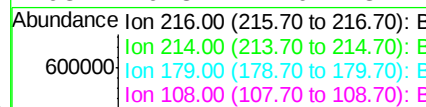
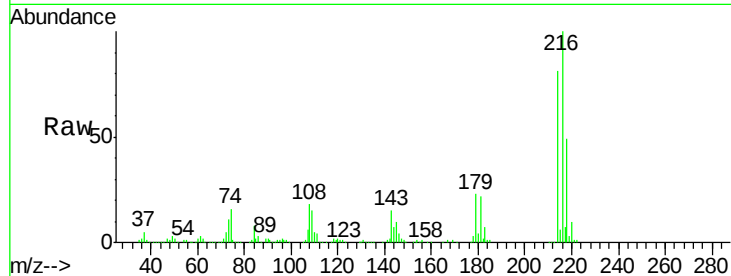
B-931WB(N)(19)MSD

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		410993		
214	79.9	64.9	97.3		
179	23.3	19.8	29.6		
108	20.3	21.0	31.4		



#40

Hexachlorocyclopentadiene

Concen: 10.93 ng

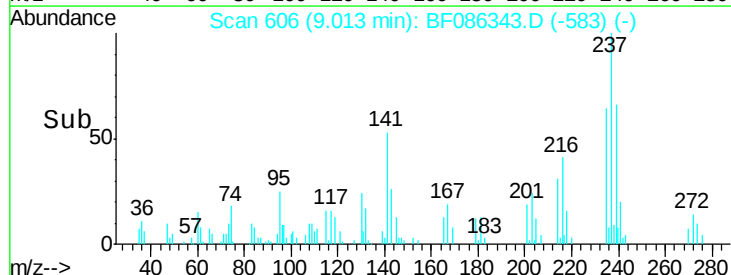
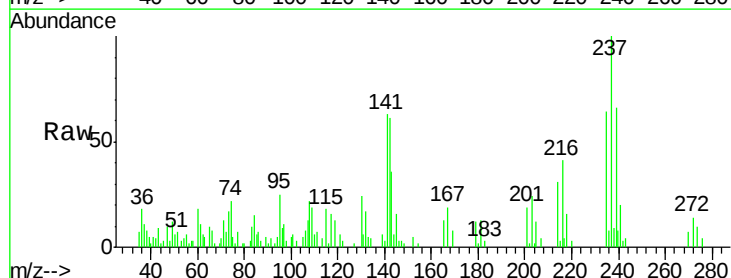
RT: 9.01 min Scan# 606

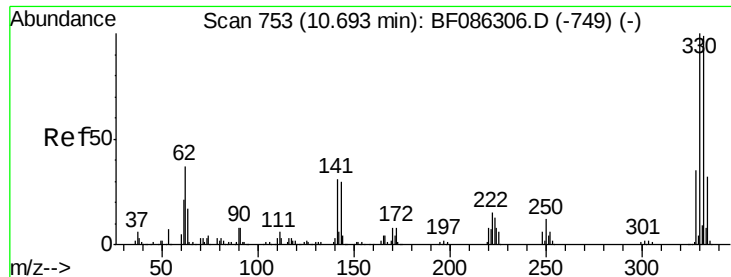
Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		17038		
235	64.2	44.0	84.0		
272	13.8	0.0	32.4		





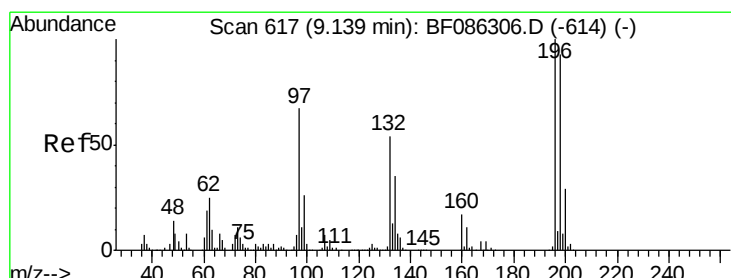
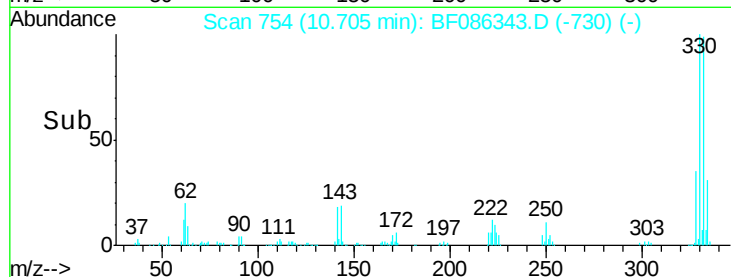
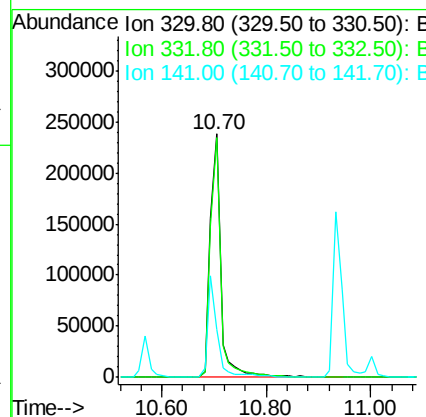
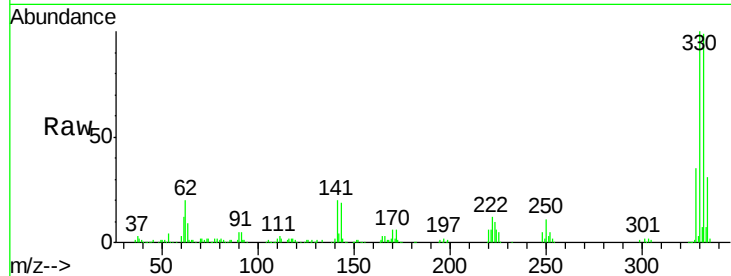
#41
 2,4,6-Tribromophenol
 Concen: 152.75 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

Tot Ion:	330	Resp:	335761
Ion Ratio	Lower	Upper	
330	100		
332	97.5	78.7	118.1
141	37.2	28.6	42.8

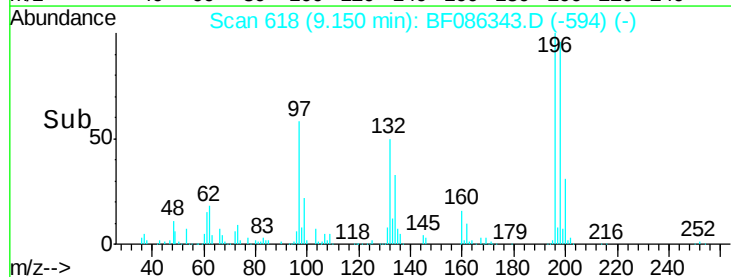
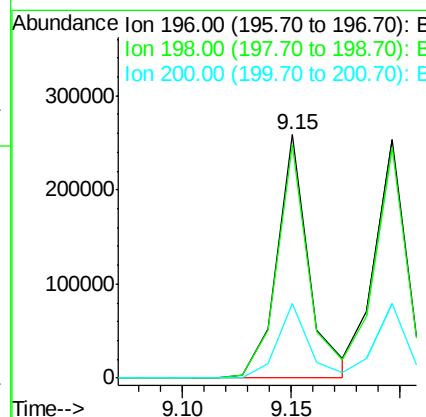
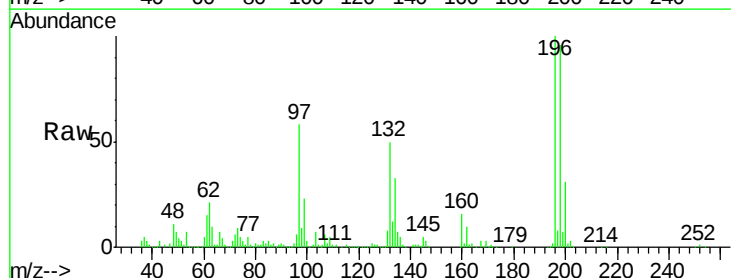
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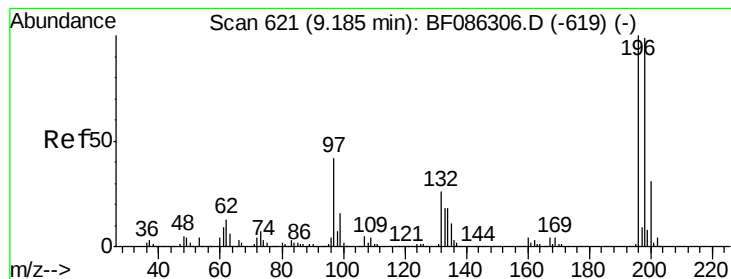
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#42
 2,4,6-Trichlorophenol
 Concen: 50.81 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion:	196	Resp:	264592
Ion Ratio	Lower	Upper	
196	100		
198	96.0	76.6	115.0
200	30.8	25.3	37.9





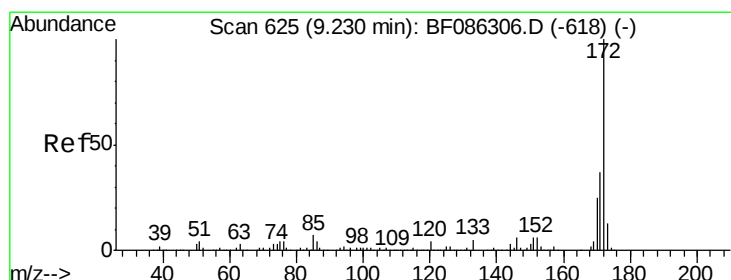
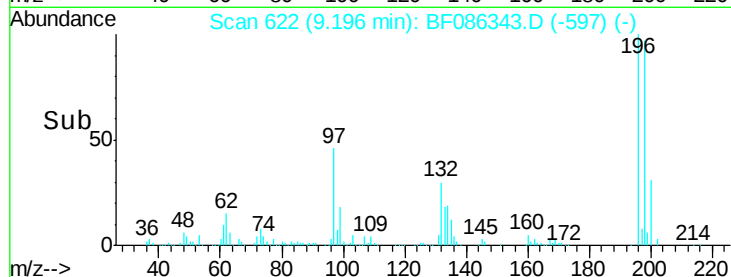
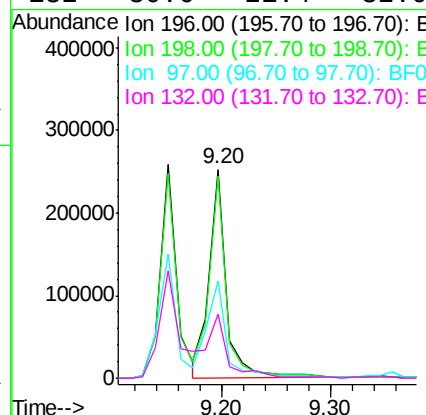
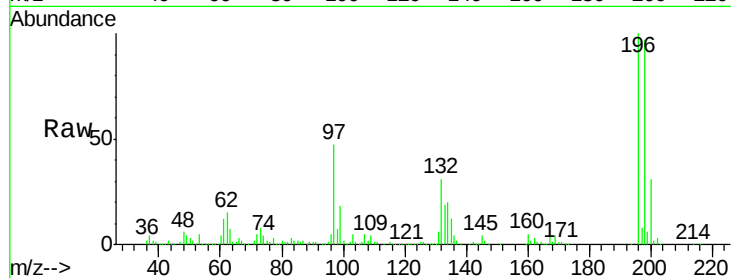
#43
 2,4,5-Trichlorophenol
 Concen: 49.50 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.01 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		280767		
198	96.9	77.7	116.5		
97	46.5	32.6	48.8		
132	30.6	21.4	32.0		

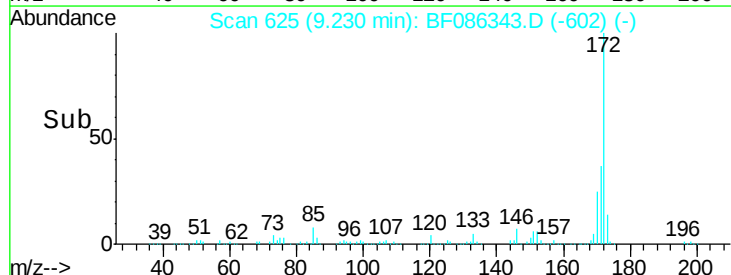
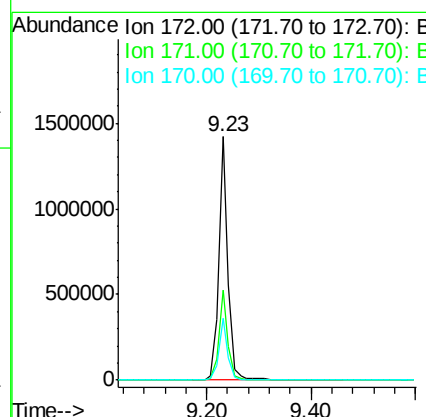
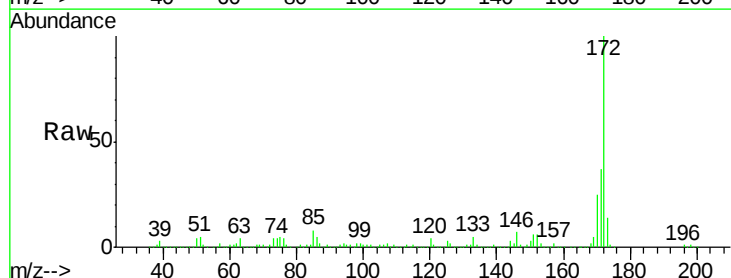
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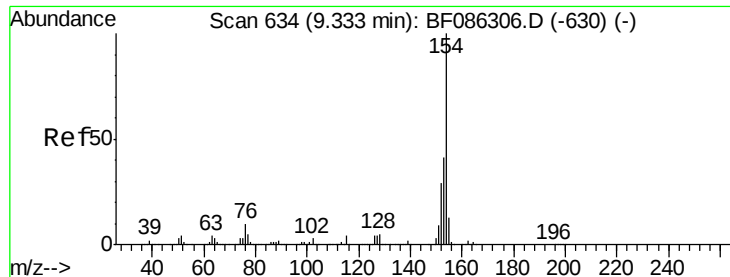
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#44
 2-Fluorobiphenyl
 Concen: 130.30 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1718667		
171	36.9	29.1	43.7		
170	25.2	19.9	29.9		





#45

1,1'-Biphenyl

Concen: 52.95 ng

RT: 9.33 min Scan# 634

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

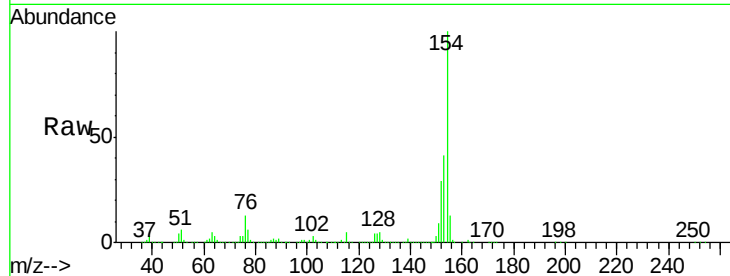
B-931WB(N)(19)MSD

Manual Integrations
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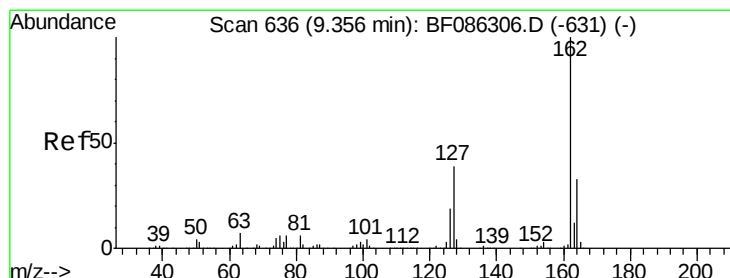
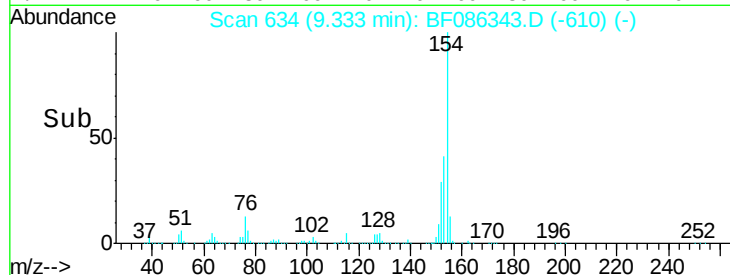
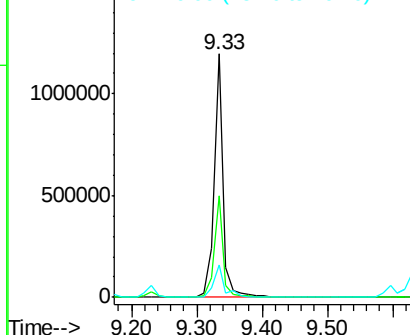
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Tot Ion:154	Resp: 1172679		
Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.3	61.3
76	13.5	0.0	36.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): E



#46

2-Chloronaphthalene

Concen: 51.64 ng

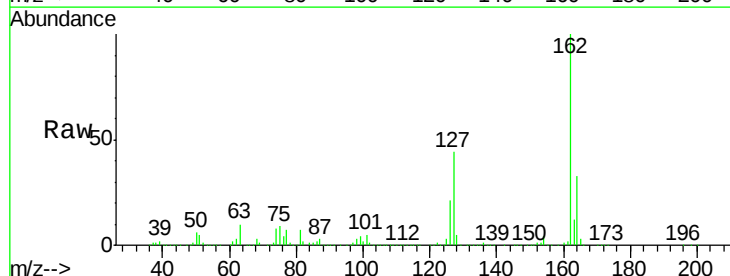
RT: 9.36 min Scan# 636

Delta R.T. -0.02 min

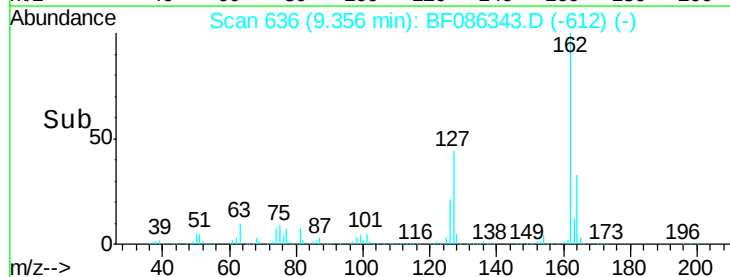
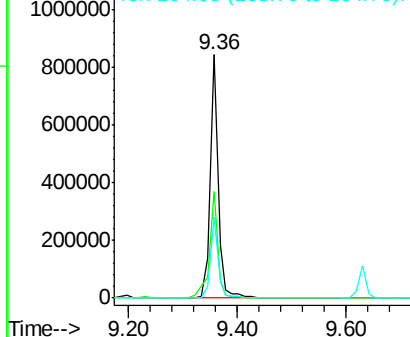
Lab File: BF086343.D

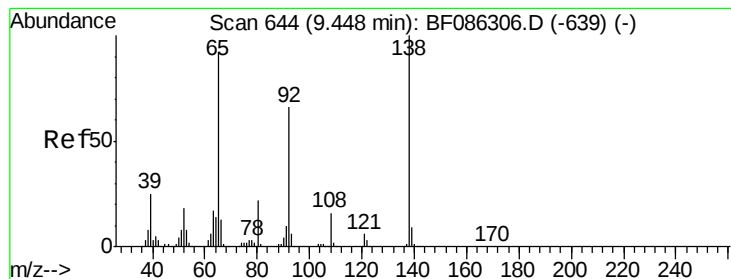
Acq: 21 Apr 2016 7:40

Tgt Ion:162	Resp: 866617		
Ion	Ratio	Lower	Upper
162	100		
127	43.8	36.7	55.1
164	33.1	26.4	39.6



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 56.80 ng

RT: 9.46 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

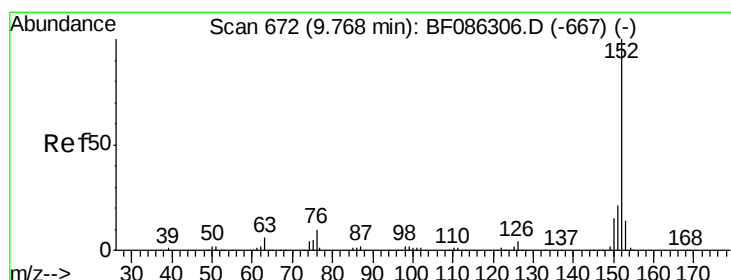
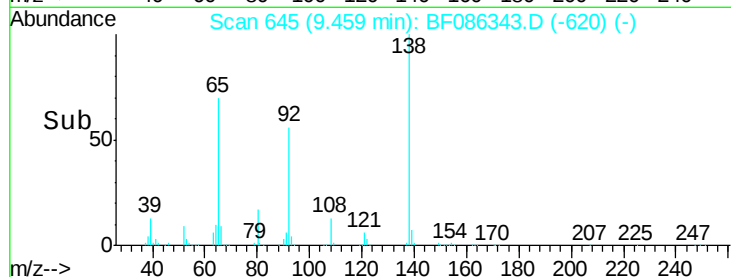
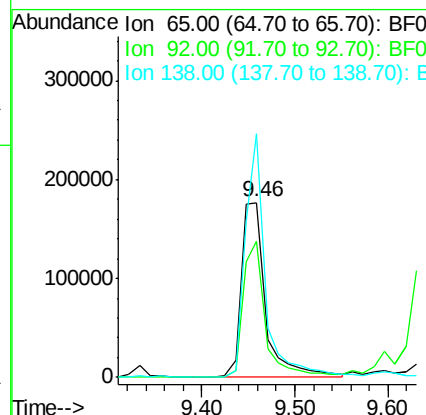
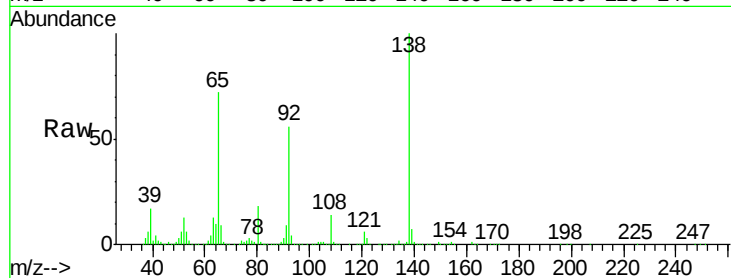
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
65	100		
92	78.0	51.9	77.9#
138	139.2	72.6	108.8#



#48

Acenaphthylene

Concen: 49.53 ng

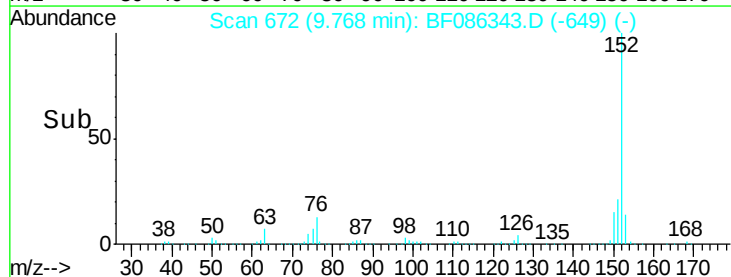
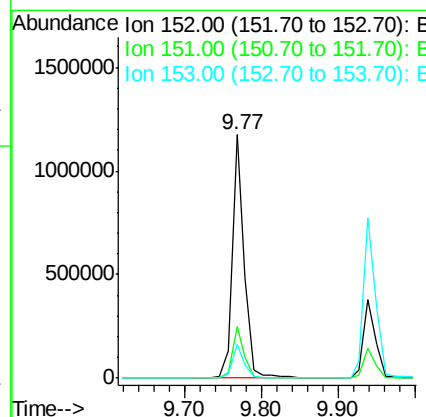
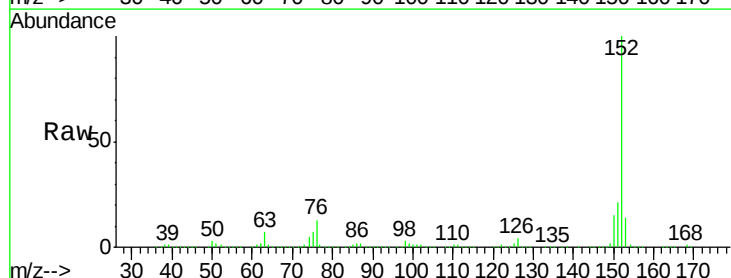
RT: 9.77 min Scan# 672

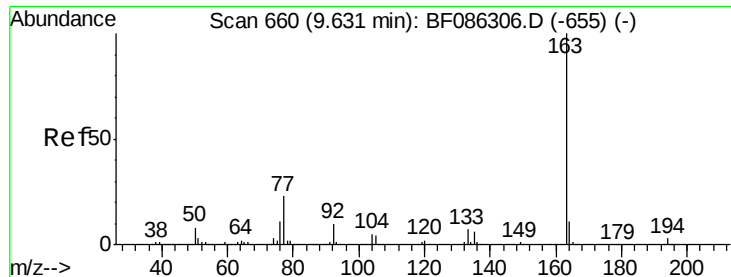
Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.2	25.8
153	13.8	10.7	16.1





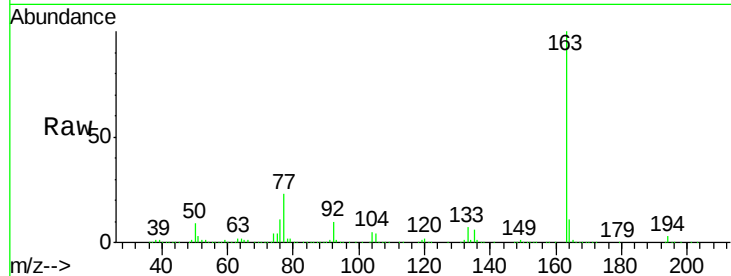
#49
Dimethylphthalate
Concen: 49.80 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.03 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

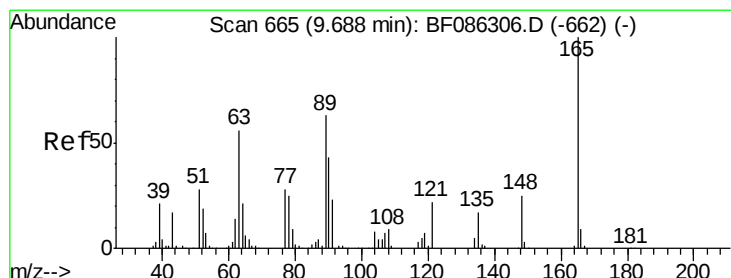
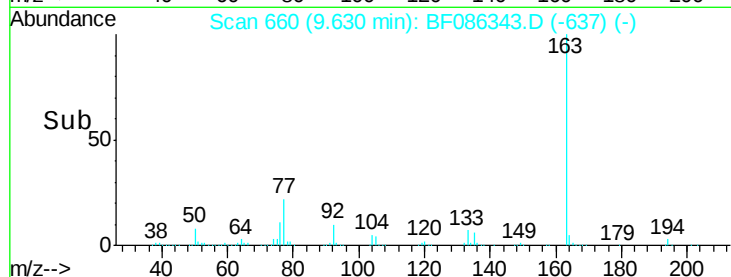
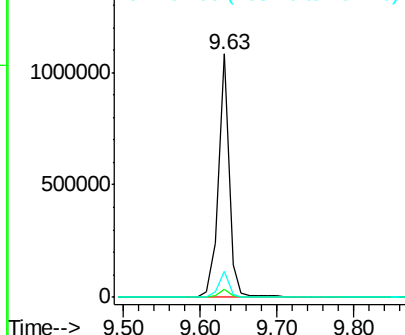
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.5	8.4	12.6

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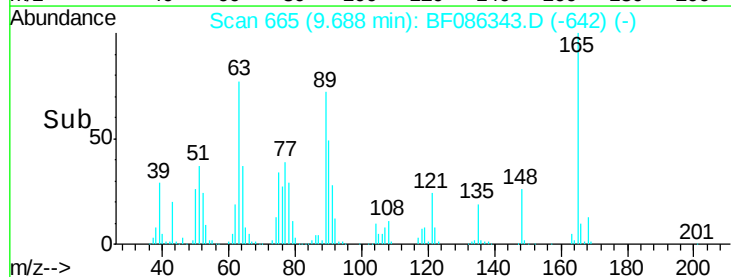
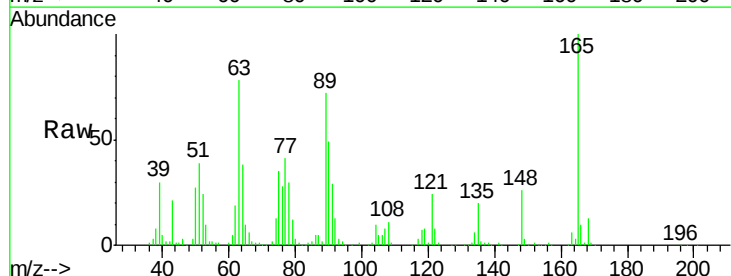
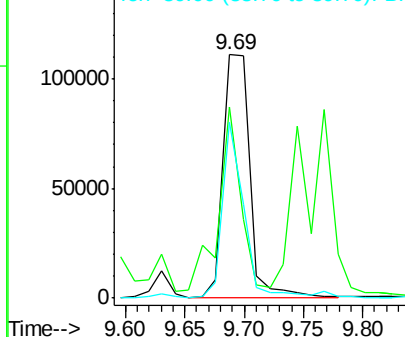
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

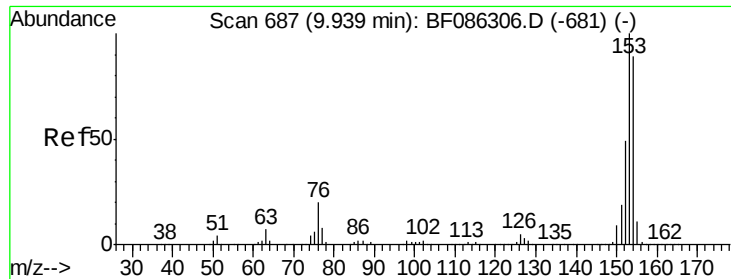


#50
2,6-Dinitrotoluene
Concen: 38.96 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.03 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	78.5	35.1	52.7#
89	72.0	39.8	59.6#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 49.39 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.03 min

Lab File: BF086343.D

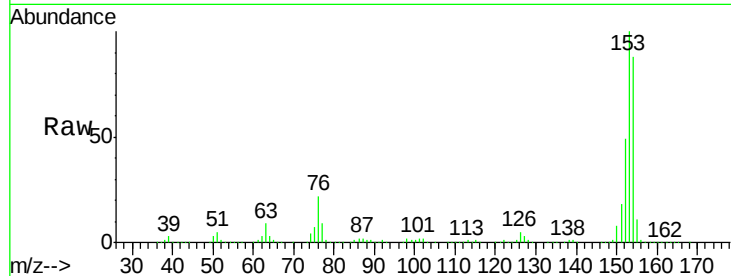
Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

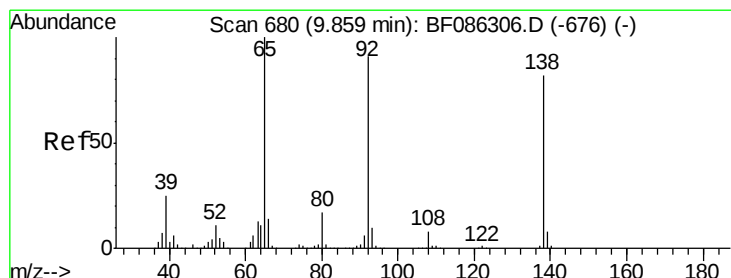
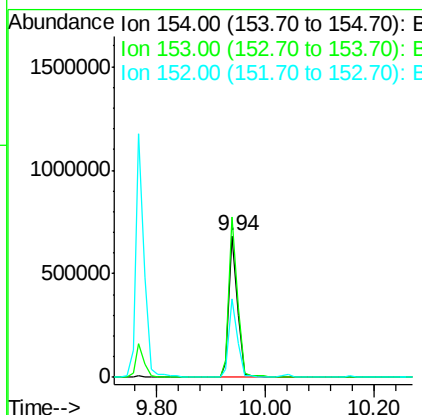
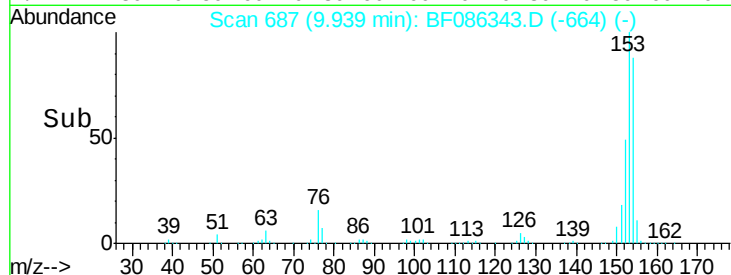
B-931WB(N)(19)MSD



Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.3	90.0	135.0	
152	55.9	44.3	66.5	

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#52

3-Nitroaniline

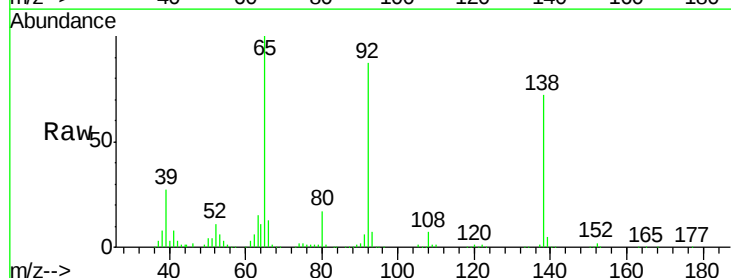
Concen: 44.26 ng

RT: 9.86 min Scan# 680

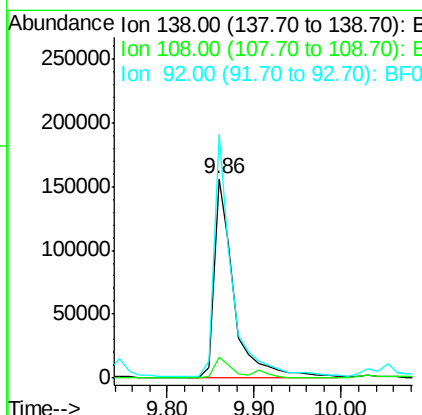
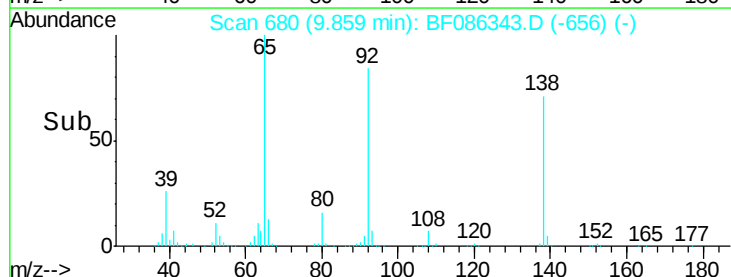
Delta R.T. -0.02 min

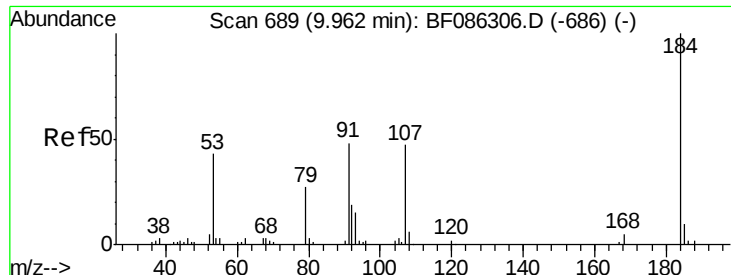
Lab File: BF086343.D

Acq: 21 Apr 2016 7:40



Tgt Ion	Ratio	Resp	Lower	Upper
138	100			
108	10.4	9.0	13.4	
92	122.1	99.3	148.9	





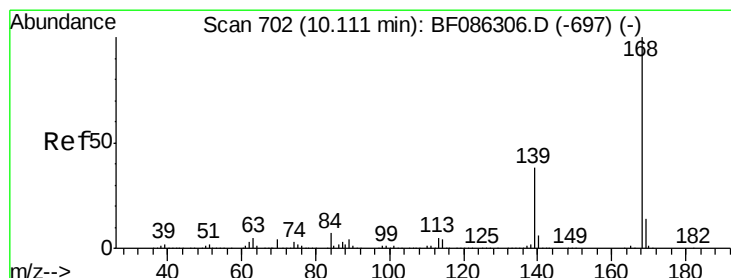
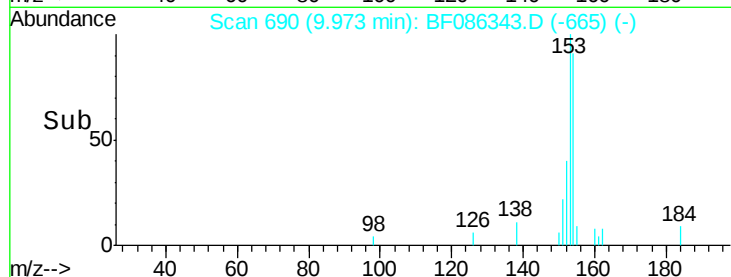
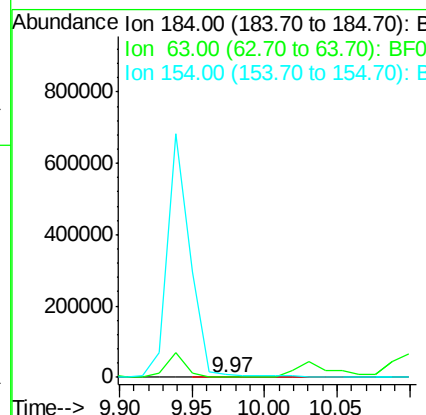
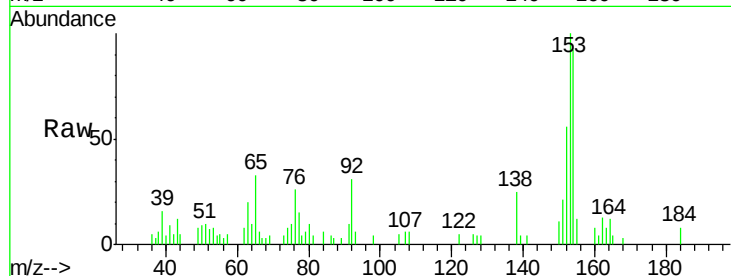
#53
2,4-Dinitrophenol
Concen: 8.76 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

Tot Ion:184 Resp: 2131
Ion Ratio Lower Upper
184 100
63 240.9 64.7 97.1#
154 1086.5 59.4 89.2

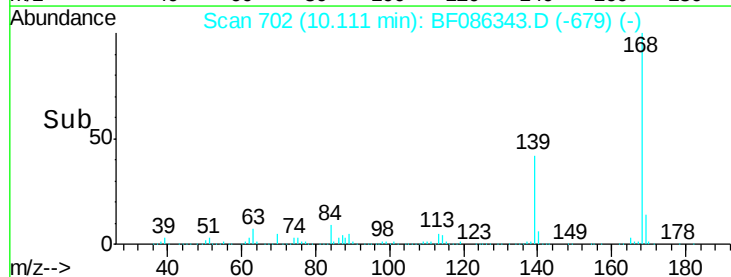
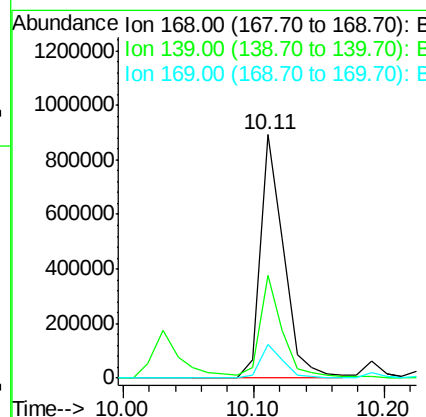
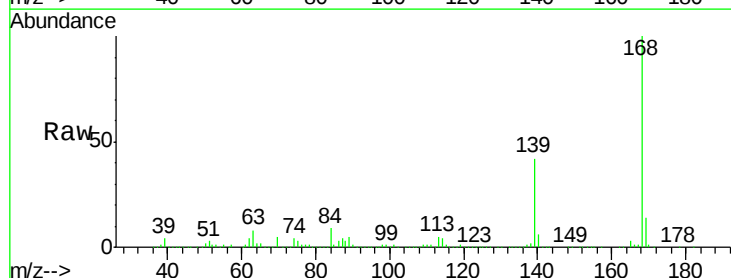
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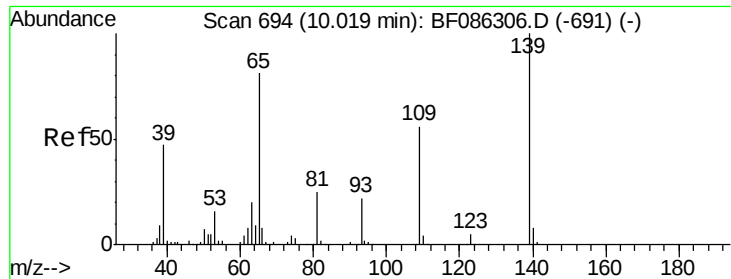
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#54
Dibenzofuran
Concen: 53.39 ng
RT: 10.11 min Scan# 702
Delta R.T. -0.03 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion:168 Resp: 1116076
Ion Ratio Lower Upper
168 100
139 42.4 29.5 44.3
169 13.8 10.6 16.0





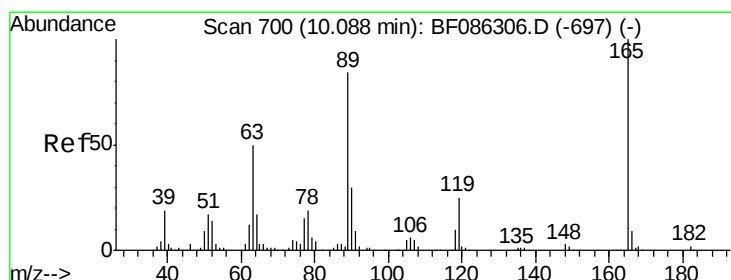
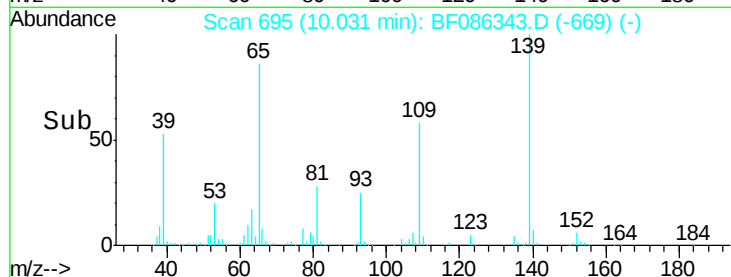
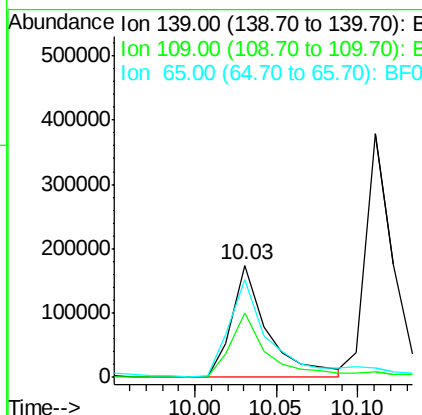
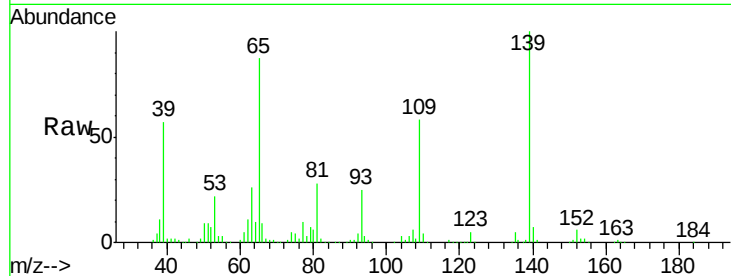
#55
4-Nitrophenol
Concen: 77.47 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	269898		
109	57.9	55.0	95.0	
65	87.4	87.3	127.3	

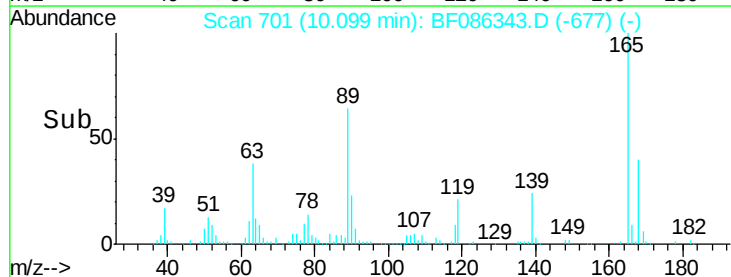
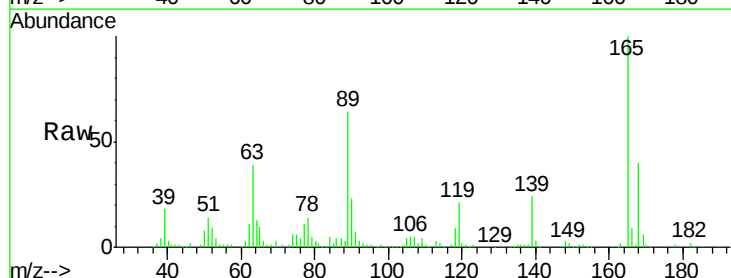
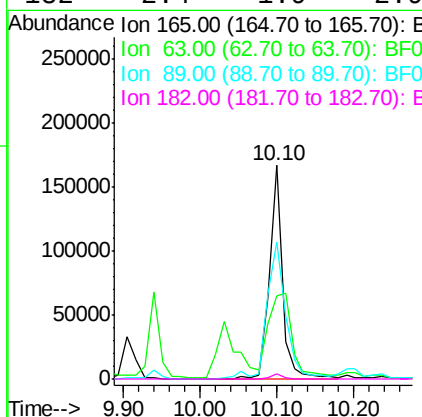
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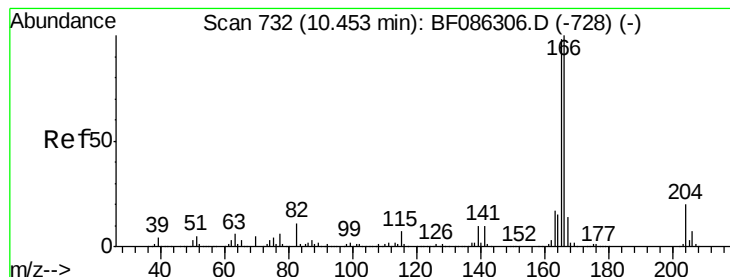
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#56
2,4-Dinitrotoluene
Concen: 35.69 ng
RT: 10.10 min Scan# 701
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	195971		
63	39.1	26.6	40.0	
89	63.9	49.5	74.3	
182	2.4	1.9	2.9	





#57

Fluorene

Concen: 48.75 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

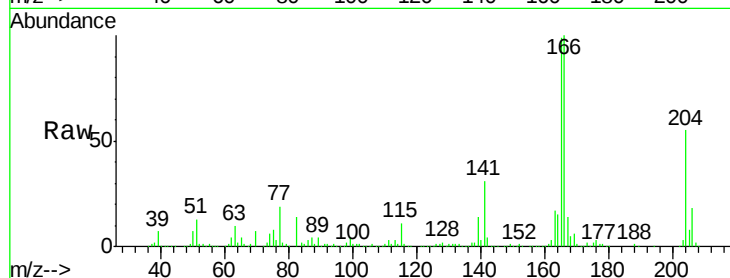
ClientSampleId :

B-931WB(N)(19)MSD

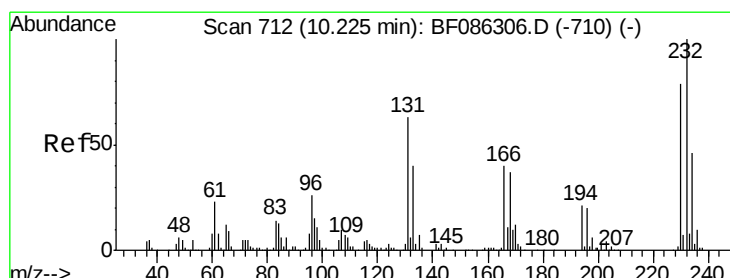
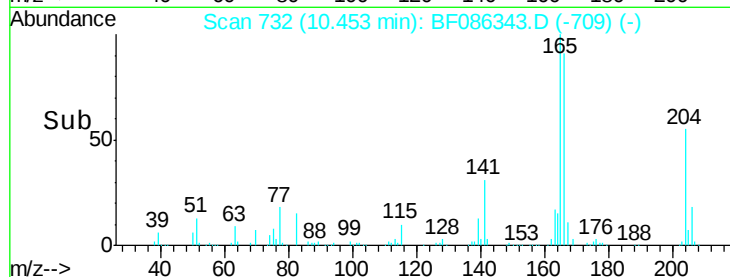
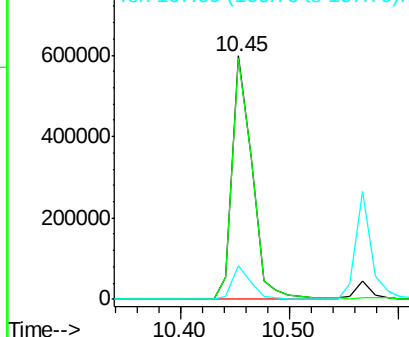
Tot Ion:	166	Resp:	755194
Ion Ratio	Lower	Upper	
166	100		
165	99.3	78.6	117.8
167	14.0	10.4	15.6

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 55.66 ng

RT: 10.24 min Scan# 713

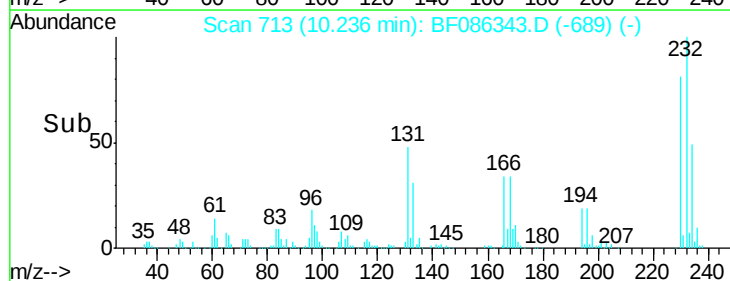
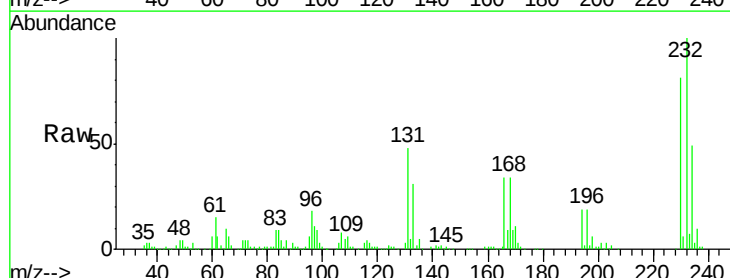
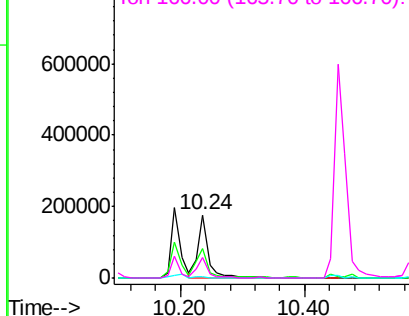
Delta R.T. -0.02 min

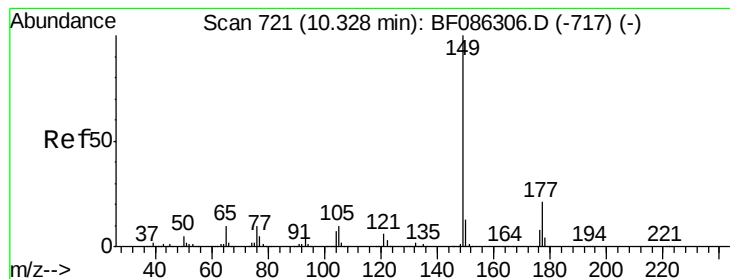
Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt Ion:	232	Resp:	211805
Ion Ratio	Lower	Upper	
232	100		
131	47.6	46.6	70.0
130	0.0	2.5	3.7#
166	31.8	28.3	42.5

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 47.97 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

Tot Ion:149 Resp: 1005114

Ion Ratio Lower Upper

149 100

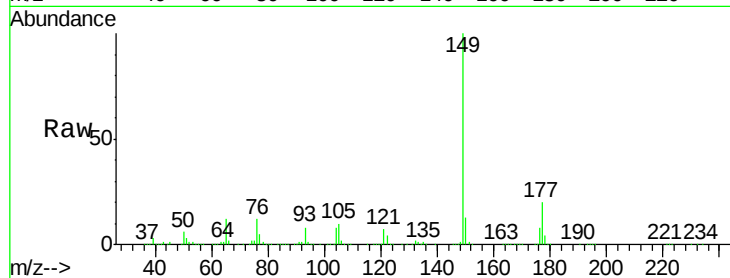
177 19.8 17.0 25.6

150 13.1 10.2 15.4

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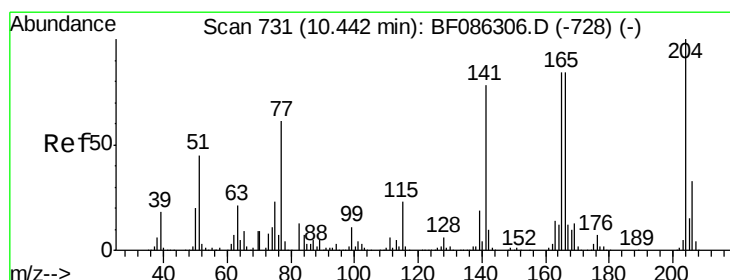
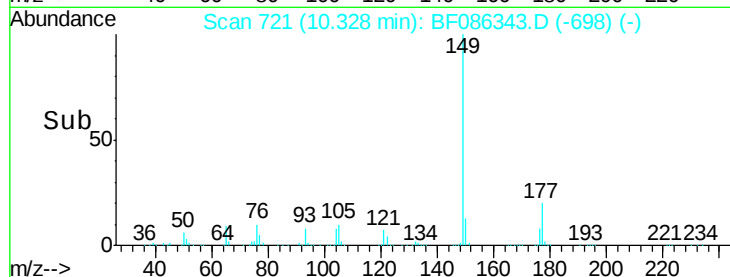
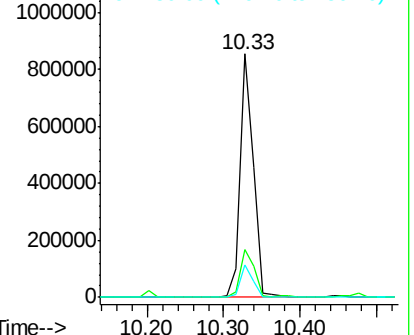
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 51.29 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

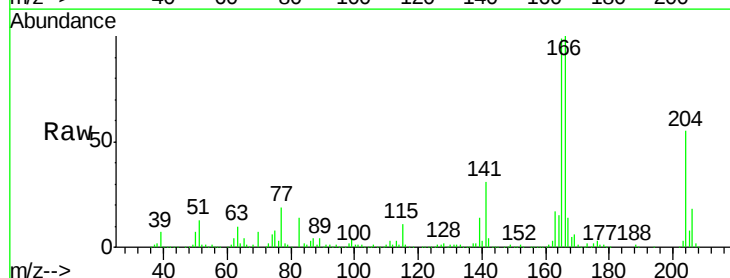
Tgt Ion:204 Resp: 367976

Ion Ratio Lower Upper

204 100

206 33.3 26.2 39.2

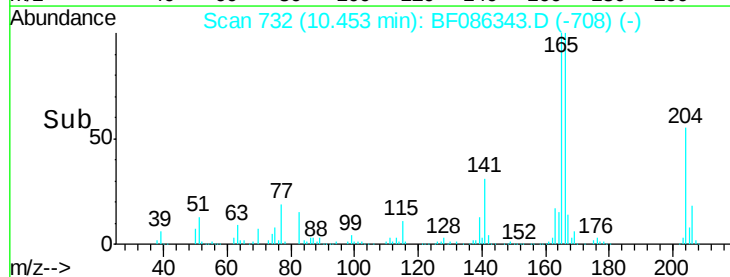
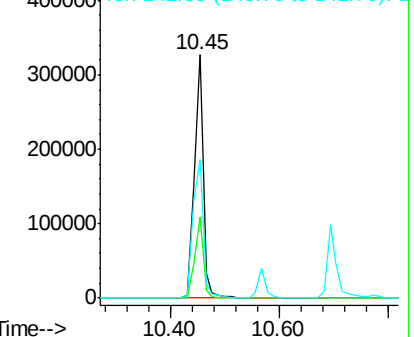
141 57.1 55.4 83.0

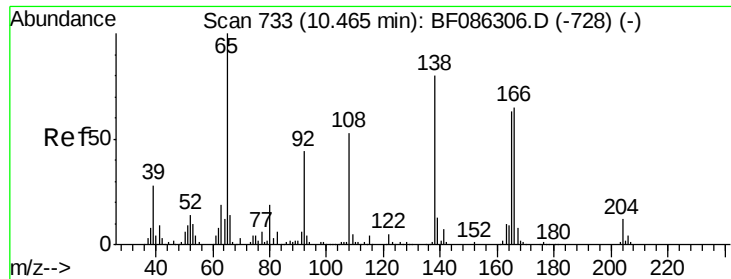


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





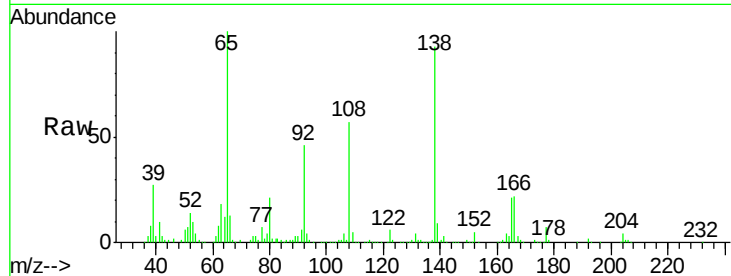
#61
4-Nitroaniline
Concen: 56.87 ng
RT: 10.48 min Scan# 734
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

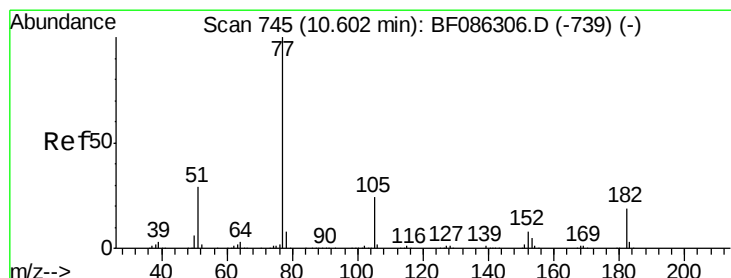
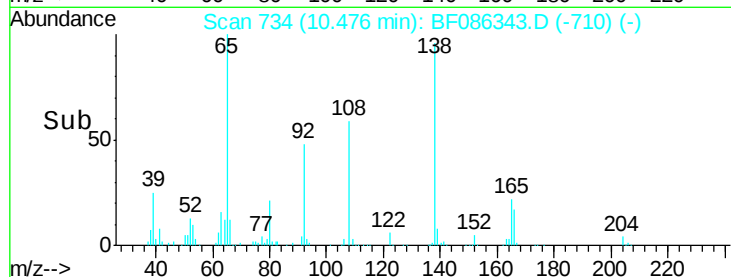
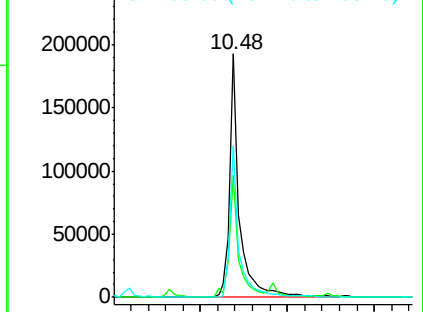
Tot Ion	Ratio	Resp	Lower	Upper
138	100	299123		
92	50.0	31.9	71.9	
108	62.0	58.7	98.7	

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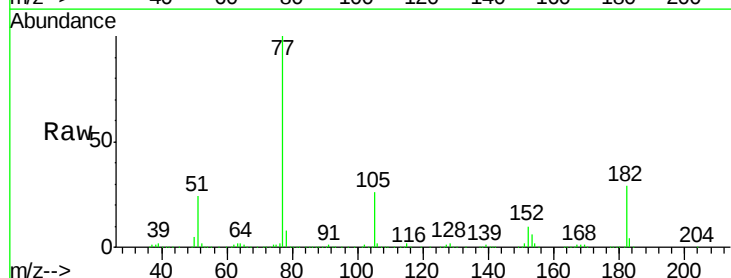


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

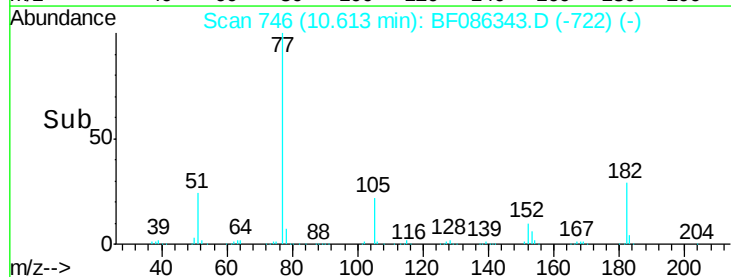
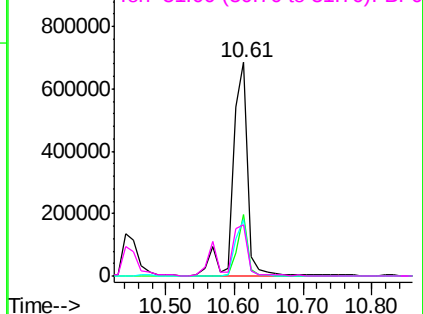


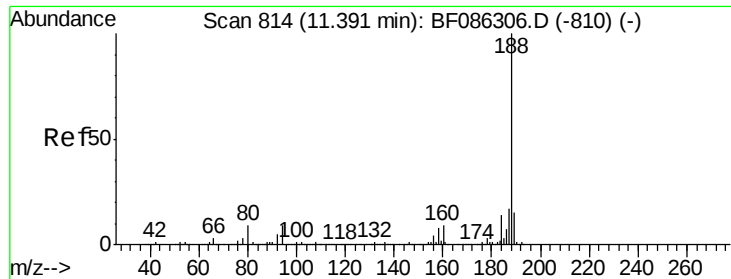
#62
Azobenzene
Concen: 49.49 ng
RT: 10.61 min Scan# 746
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	1022204		
182	28.5	2.3	42.3	
105	26.4	3.4	43.4	
51	24.0	11.7	51.7	



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

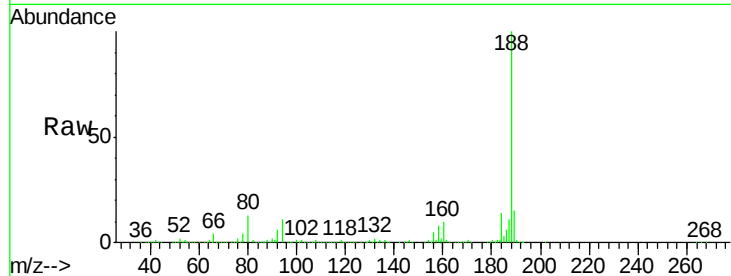
ClientSampleId :

B-931WB(N)(19)MSD

Tot Ion:	188	Resp:	480014
Ion Ratio	Lower	Upper	
188	100		
94	11.4	9.8	14.8
80	12.9	10.5	15.7

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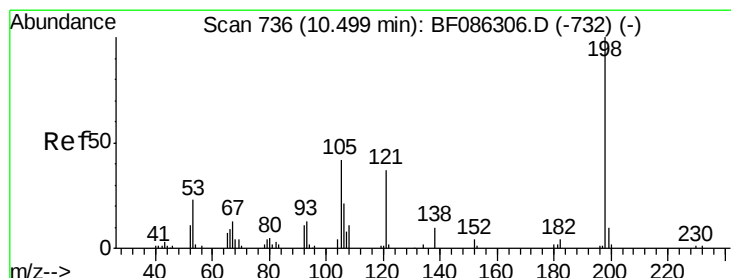
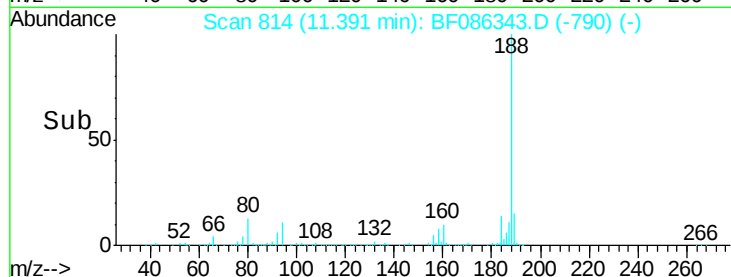
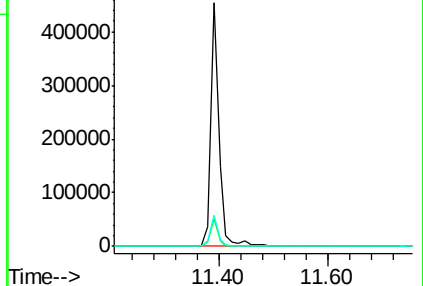
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 7.42 ng

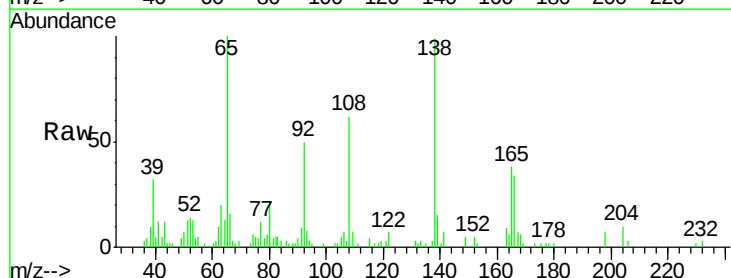
RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

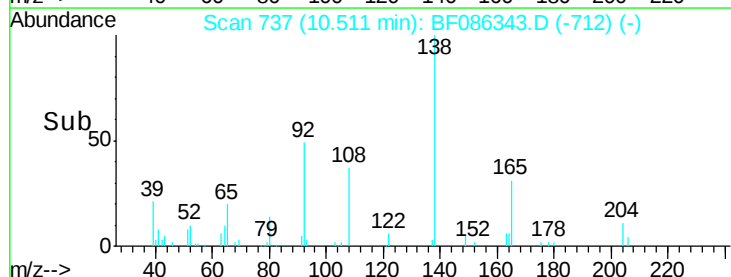
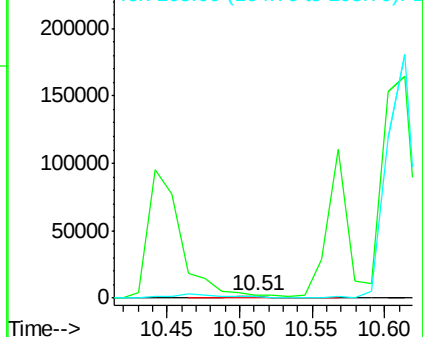
Tgt Ion:	198	Resp:	2357
Ion Ratio	Lower	Upper	
198	100		
51	189.4	56.5	96.5#
105	74.3	48.0	88.0

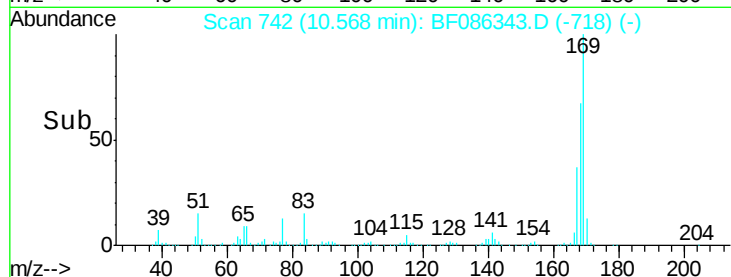
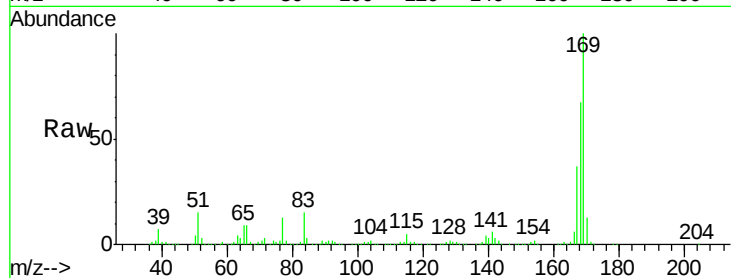
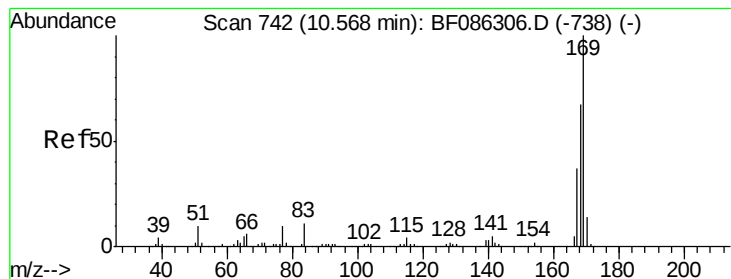


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





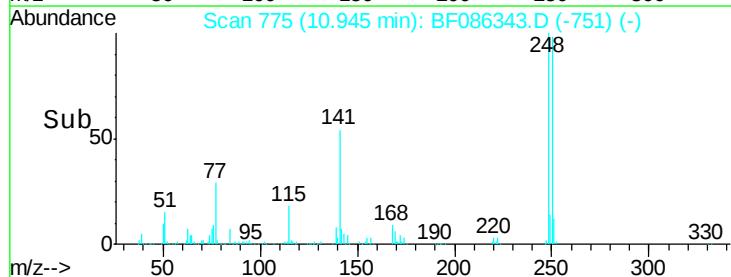
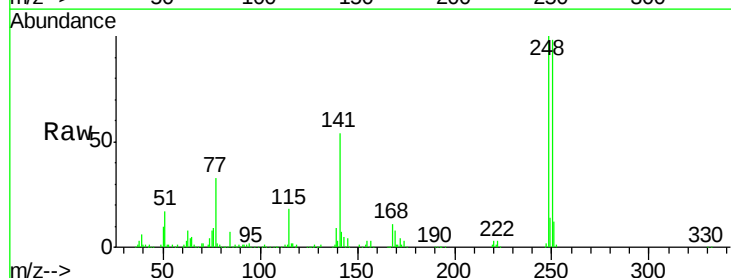
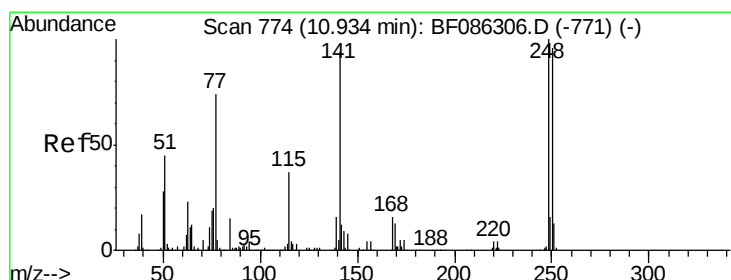
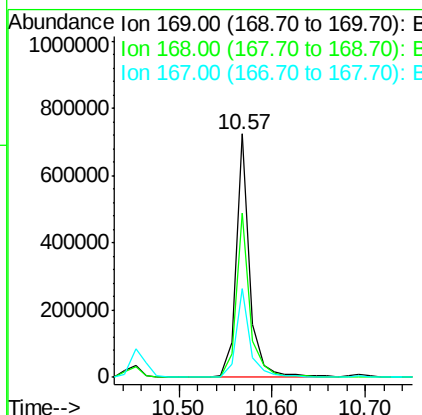
#65
n-Nitrosodiphenylamine
Concen: 46.52 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tot Ion:	169	Resp:	735705
Ion Ratio	Lower	Upper	
169	100		
168	67.5	54.3	81.5
167	36.7	30.2	45.2

Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

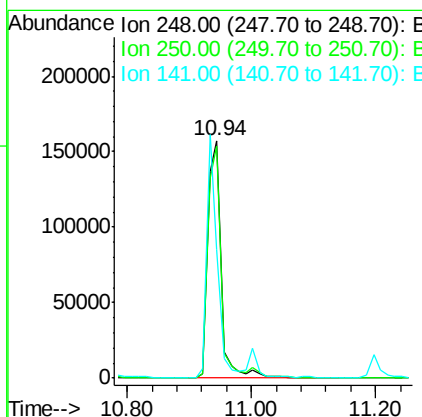
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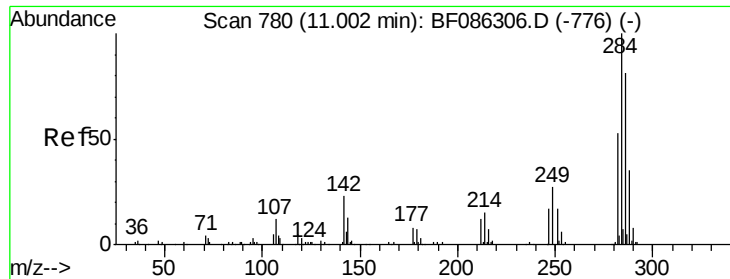
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#66
4-Bromophenyl-phenylether
Concen: 45.53 ng
RT: 10.94 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion:	248	Resp:	234819
Ion Ratio	Lower	Upper	
248	100		
250	97.7	78.6	118.0
141	54.2	57.9	86.9#





#67

Hexachlorobenzene

Concen: 44.06 ng

RT: 11.00 min Scan# 780

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

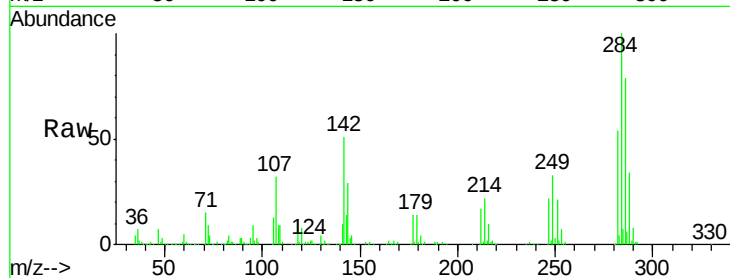
ClientSampleId :

B-931WB(N)(19)MSD

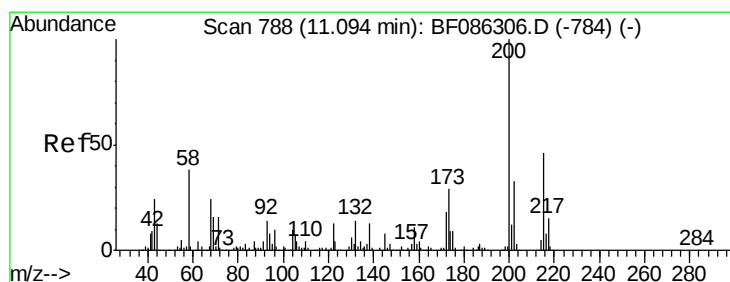
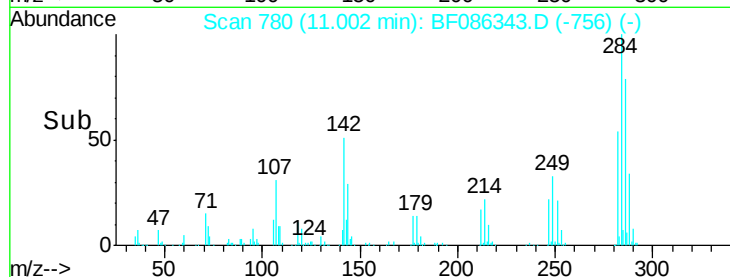
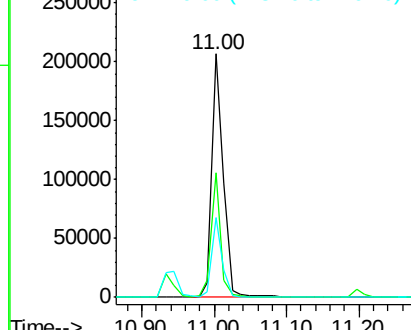
Tot Ion:	284	Resp:	228080
Ion Ratio	Lower	Upper	
284	100		
142	51.4	42.6	64.0
249	32.8	25.9	38.9

Manual Integrations
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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 37.10 ng

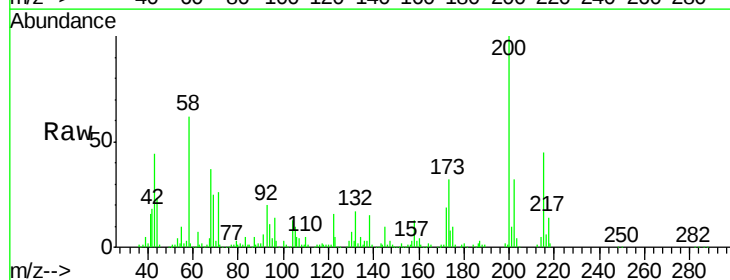
RT: 11.09 min Scan# 788

Delta R.T. -0.02 min

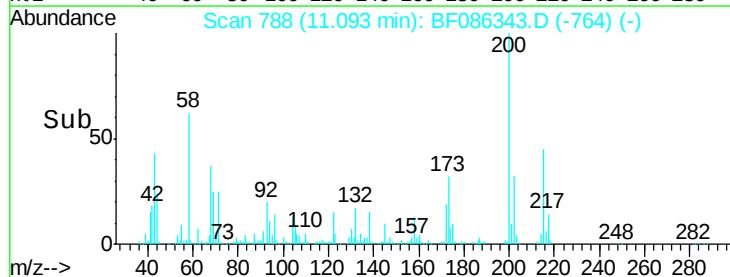
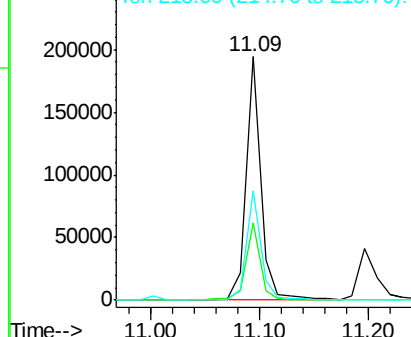
Lab File: BF086343.D

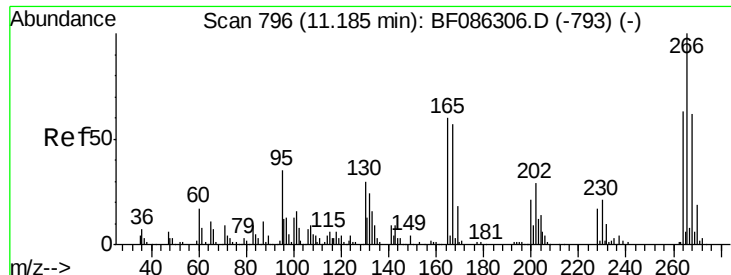
Acq: 21 Apr 2016 7:40

Tgt Ion:	200	Resp:	180358
Ion Ratio	Lower	Upper	
200	100		
173	31.9	11.2	51.2
215	44.9	24.0	64.0



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





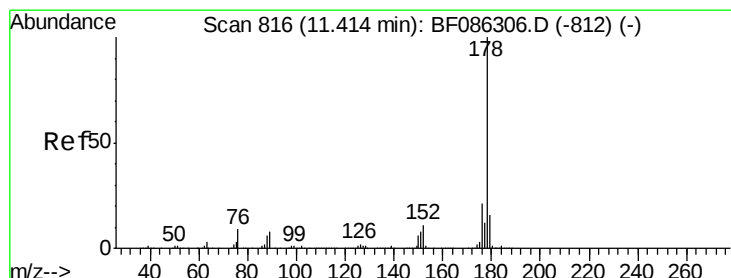
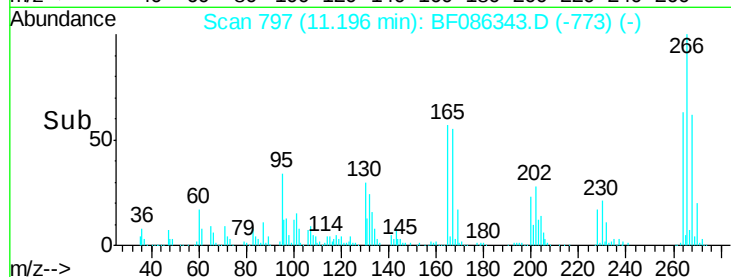
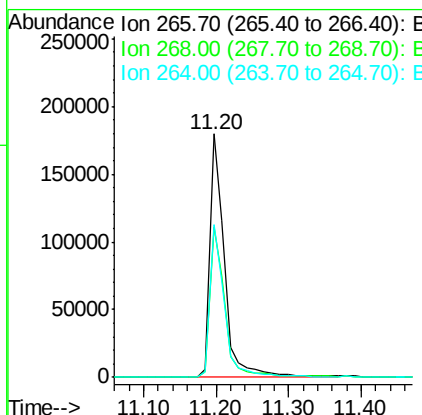
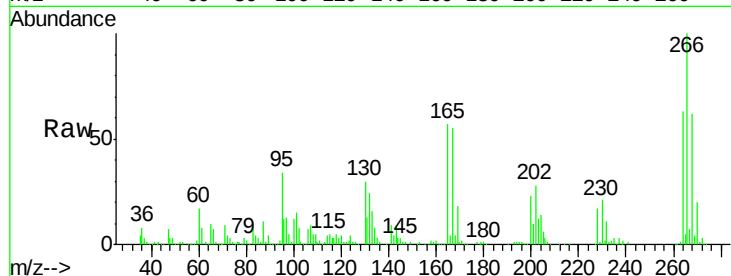
#69
 Pentachlorophenol
 Concen: 92.70 ng
 RT: 11.20 min Scan# 797
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

Tot Ion:	266	Resp:	251384
Ion Ratio	Lower	Upper	
266	100		
268	61.7	53.0	79.4
264	62.7	51.3	76.9

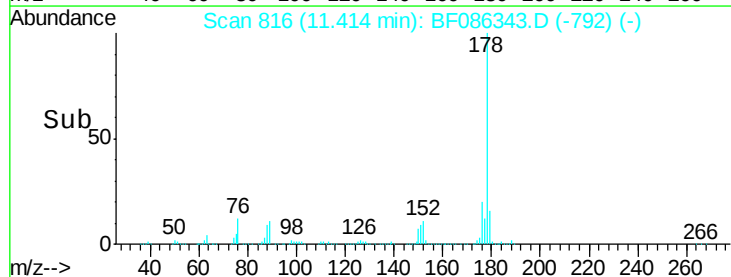
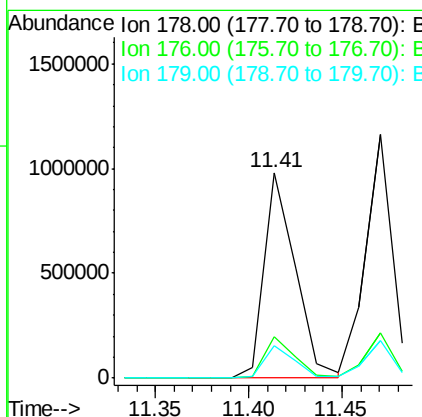
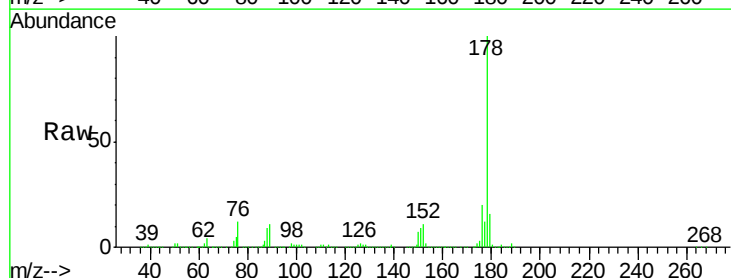
Manual Integrations
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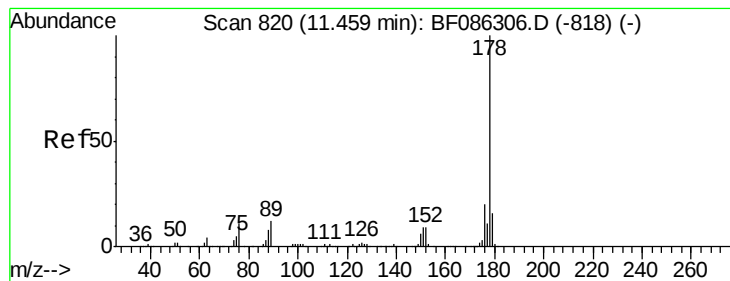
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#70
 Phenanthrene
 Concen: 49.81 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion:	178	Resp:	1133121
Ion Ratio	Lower	Upper	
178	100		
176	19.9	16.3	24.5
179	15.8	13.0	19.6





#71

Anthracene

Concen: 51.50 ng

RT: 11.47 min Scan# 821

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

Tot Ion:178 Resp: 1254554

Ion Ratio Lower Upper

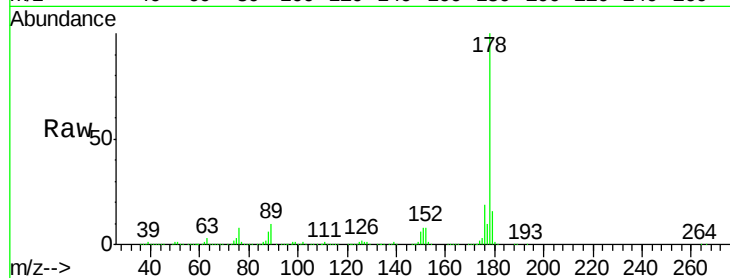
178 100

176 18.7 16.2 24.4

179 15.5 13.2 19.8

Manual Integrations
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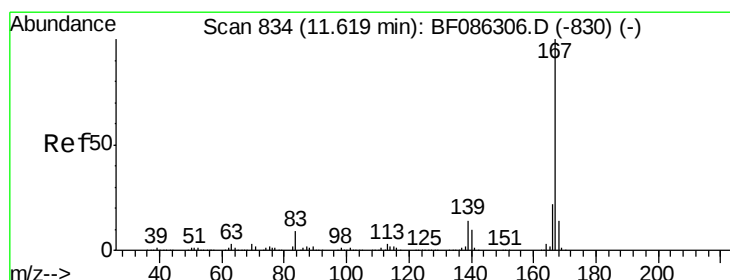
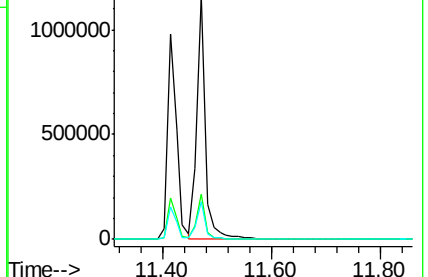
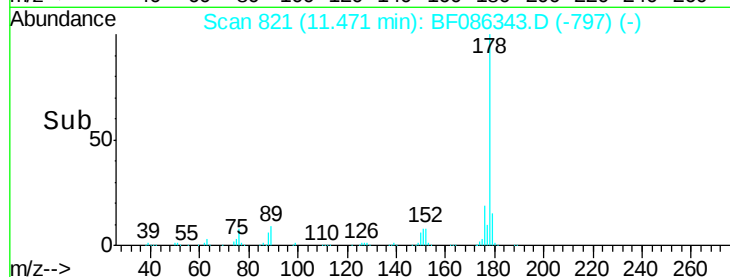
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 51.80 ng

RT: 11.62 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

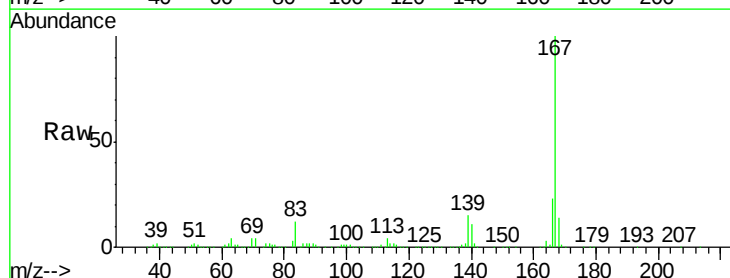
Tgt Ion:167 Resp: 1194086

Ion Ratio Lower Upper

167 100

166 22.6 18.3 27.5

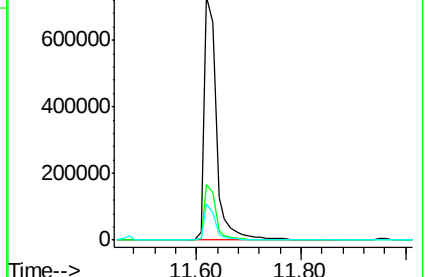
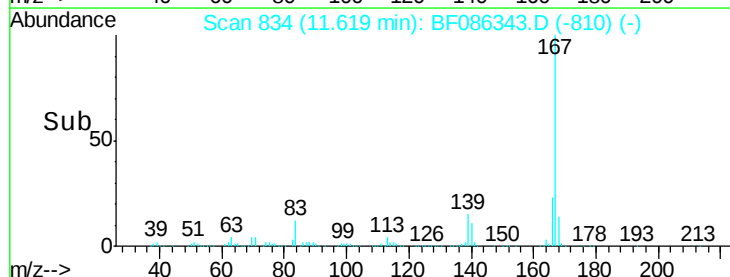
139 15.0 12.3 18.5

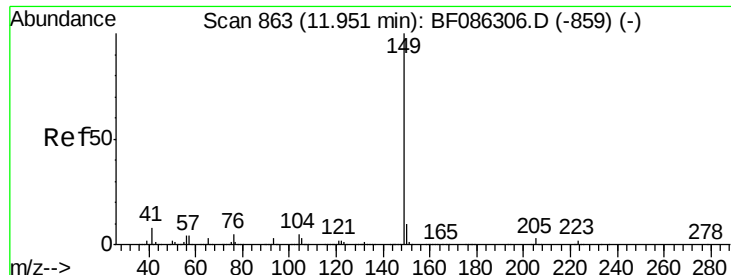


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 48.97 ng

RT: 11.95 min Scan# 863

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

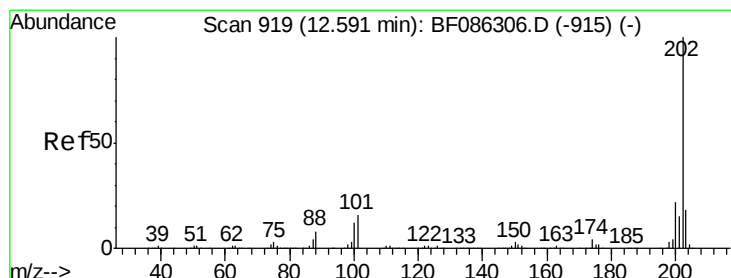
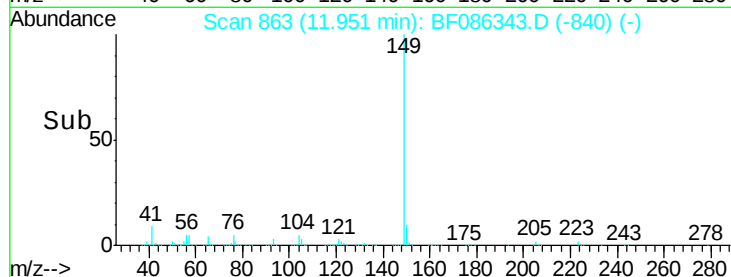
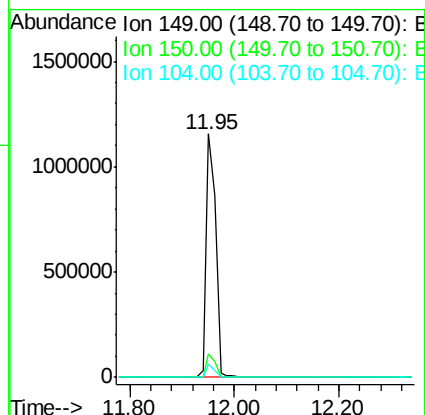
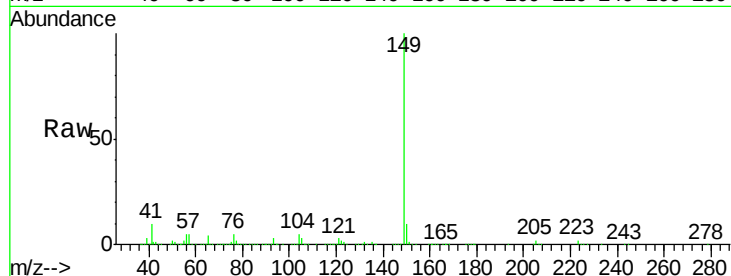
B-931WB(N)(19)MSD

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Tot Ion:149	Resp: 1453583
Ion Ratio	Lower Upper
149 100	
150 9.8	7.8 11.8
104 5.3	4.1 6.1



#74

Fluoranthene

Concen: 57.38 ng

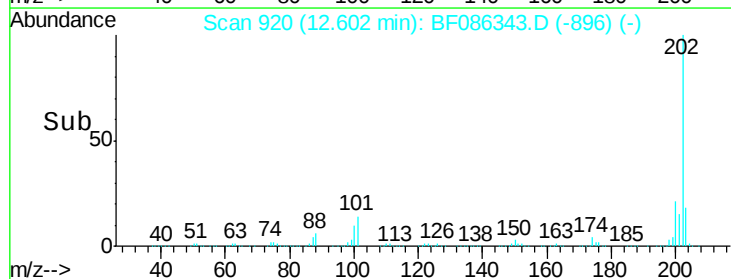
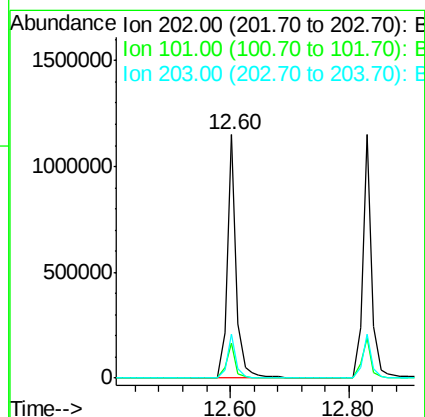
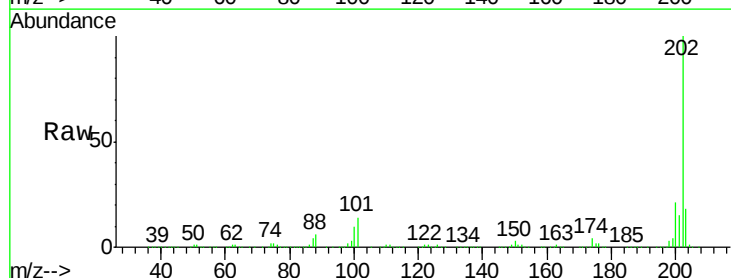
RT: 12.60 min Scan# 920

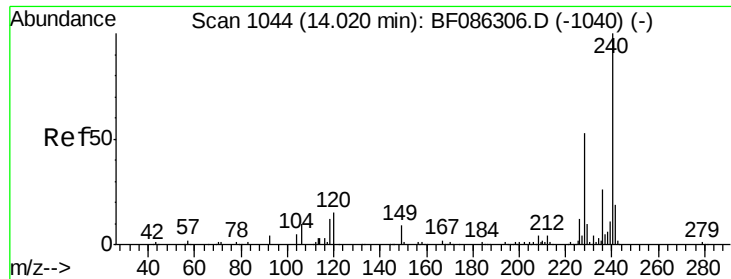
Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt	Ion:202	Resp:	1210093
Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	35.2
203	17.9	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

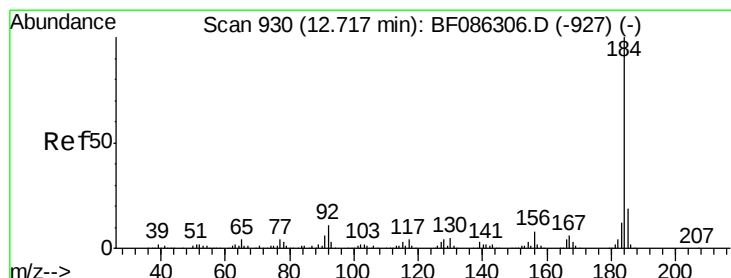
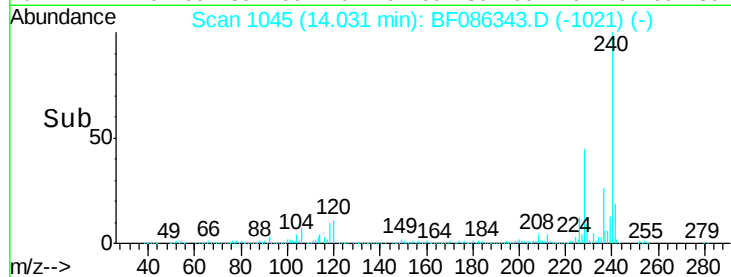
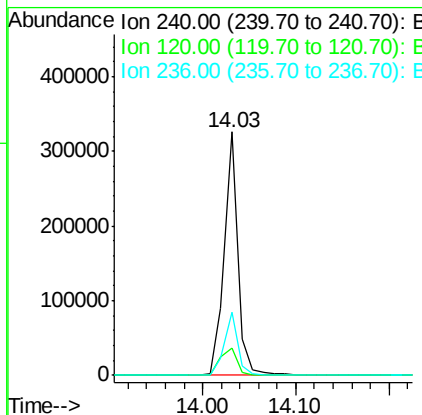
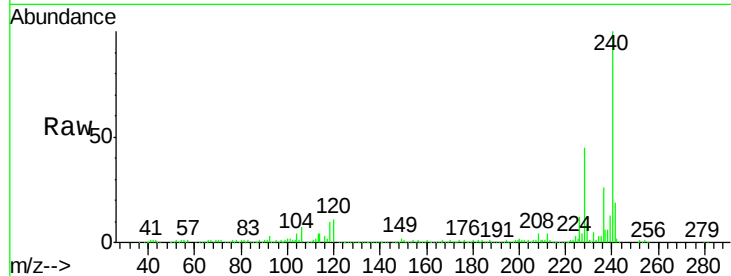
ClientSampleId :

B-931WB(N)(19)MSD

Tot Ion:	240	Resp:	332450
Ion Ratio	Lower	Upper	
240	100		
120	11.0	9.3	13.9
236	25.9	21.1	31.7

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#76

Benzidine

Concen: 41.02 ng

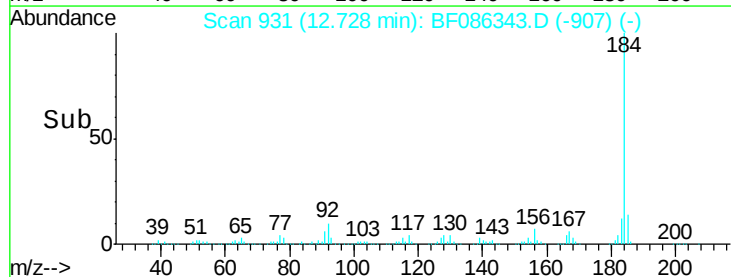
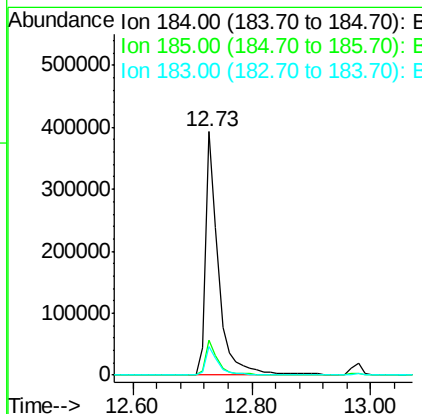
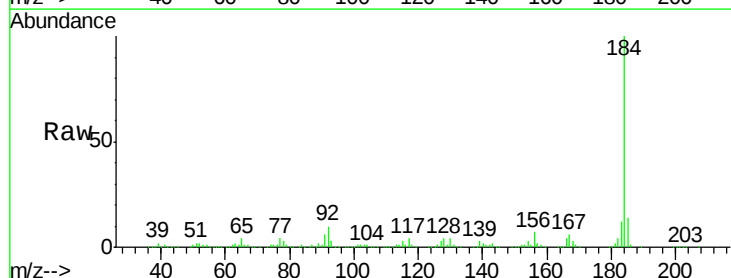
RT: 12.73 min Scan# 931

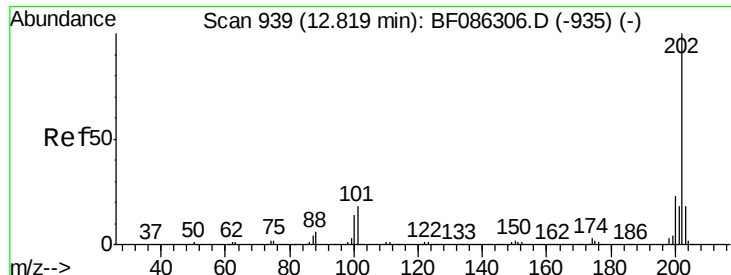
Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt Ion:	184	Resp:	602057
Ion Ratio	Lower	Upper	
184	100		
185	14.5	14.2	21.2
183	11.6	9.8	14.6





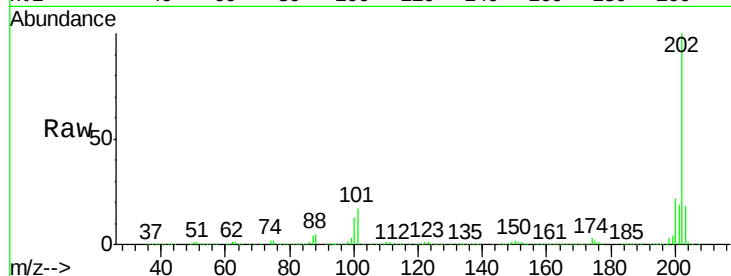
#77
Pvrene
Concen: 48.12 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

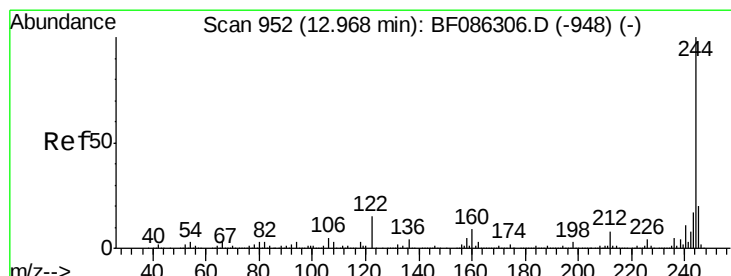
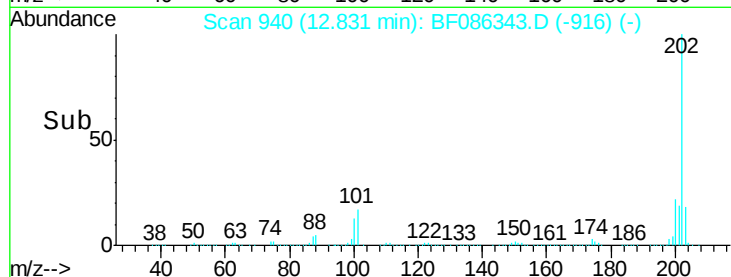
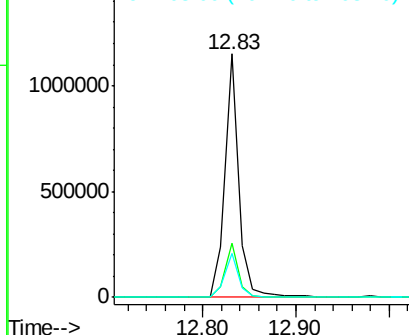
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	18.3	27.5
203	18.0	14.9	22.3

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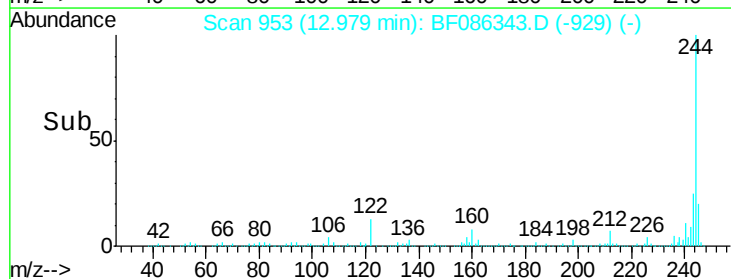
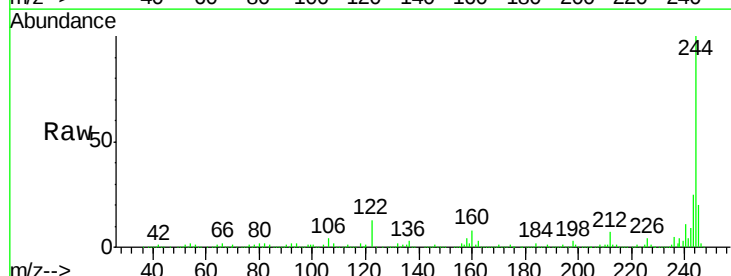
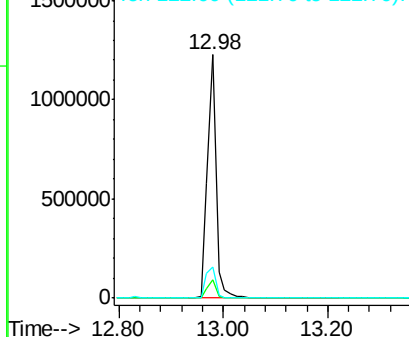
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

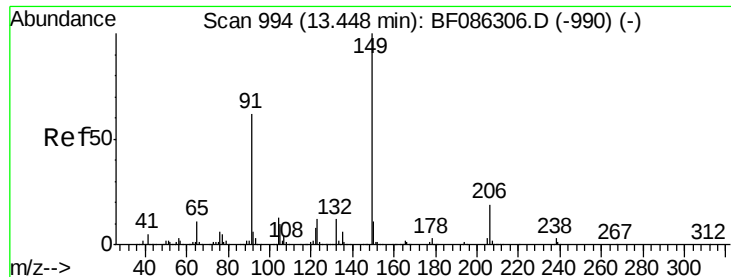


#78
Terphenyl-d14
Concen: 100.46 ng
RT: 12.98 min Scan# 953
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.4	9.6
122	12.7	11.7	17.5

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 48.29 ng

RT: 13.45 min Scan# 994

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

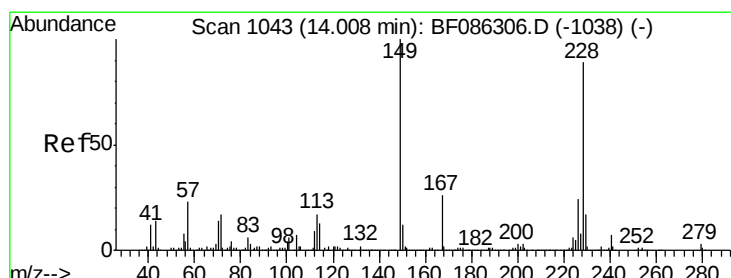
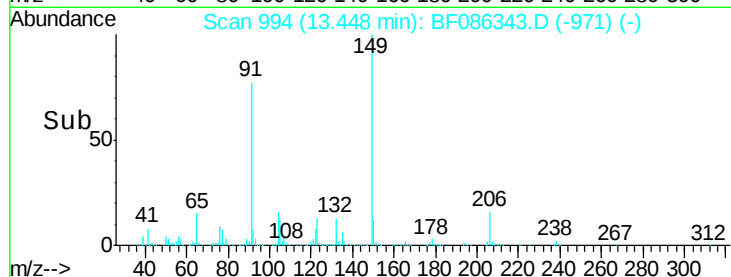
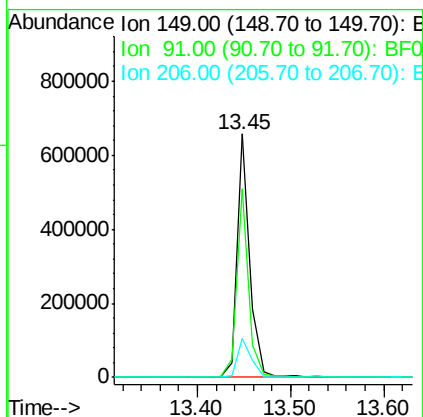
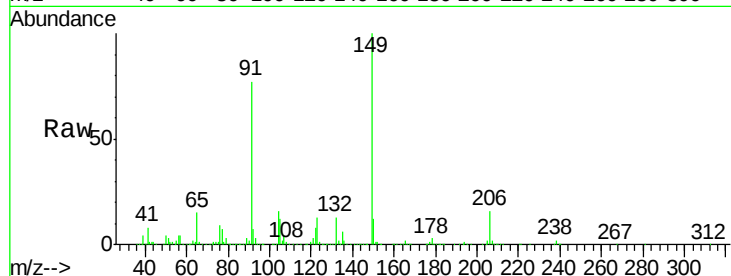
ClientSampleId :

B-931WB(N)(19)MSD

Tot Ion:	149	Resp:	628602
Ion Ratio	Lower	Upper	
149	100		
91	77.5	48.7	73.1#
206	16.0	15.7	23.5

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#80

Benzo(a)anthracene

Concen: 47.10 ng

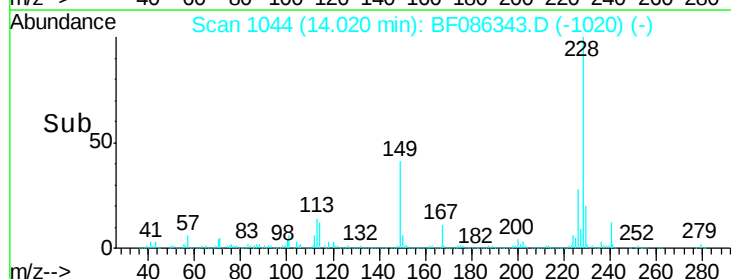
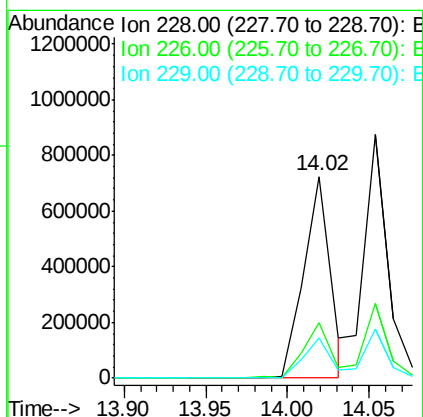
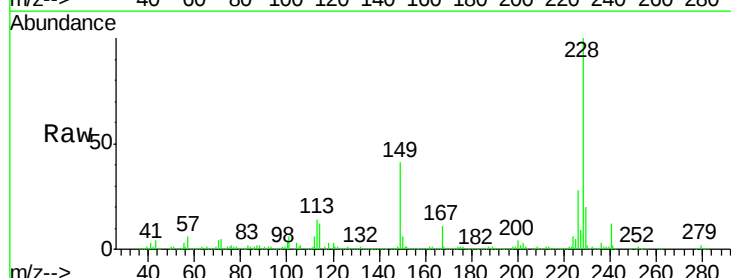
RT: 14.02 min Scan# 1044

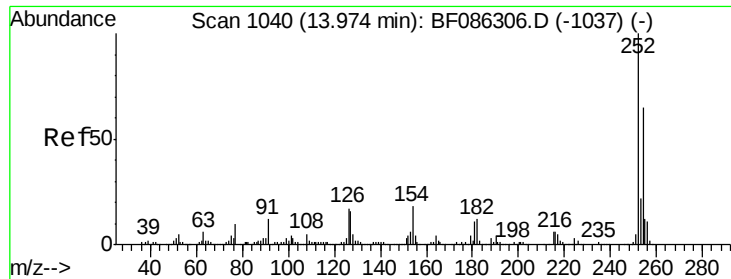
Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt Ion:	228	Resp:	824878
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.5	33.7
229	19.7	16.2	24.2





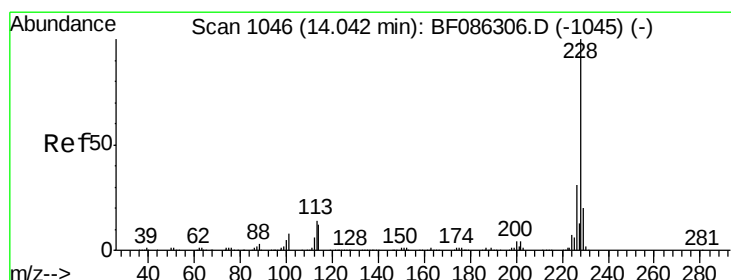
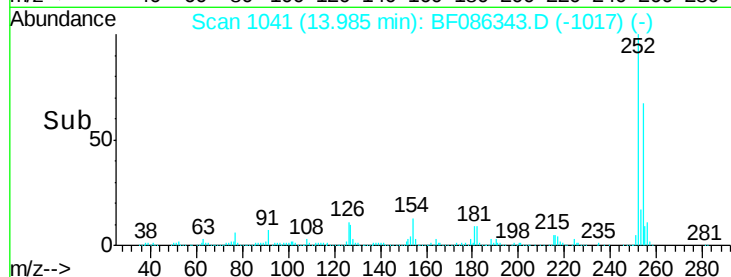
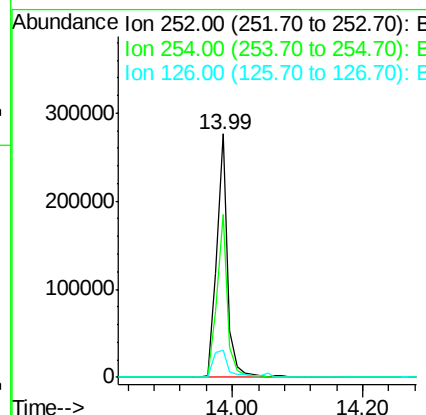
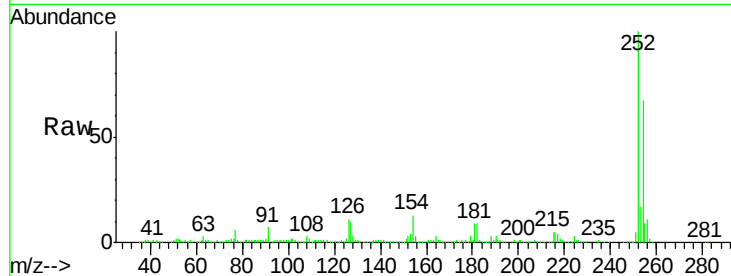
#81
 3,3'-Dichlorobenzidine
 Concen: 27.11 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
254	66.7	52.1	78.1	
126	11.3	13.2	19.8	

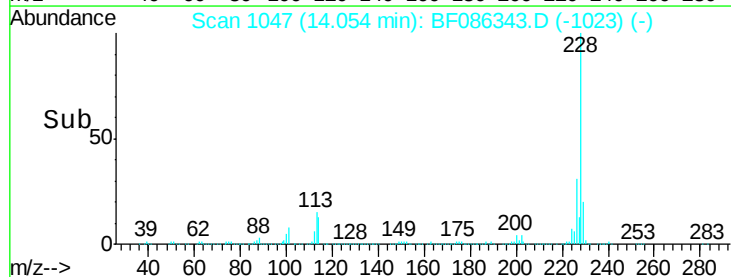
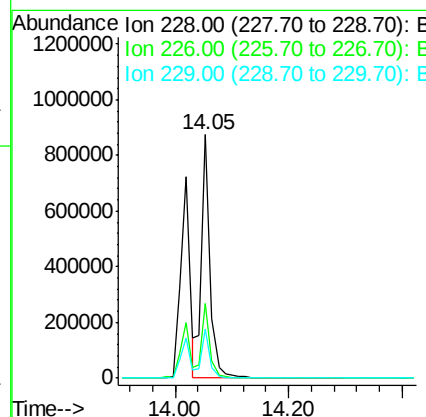
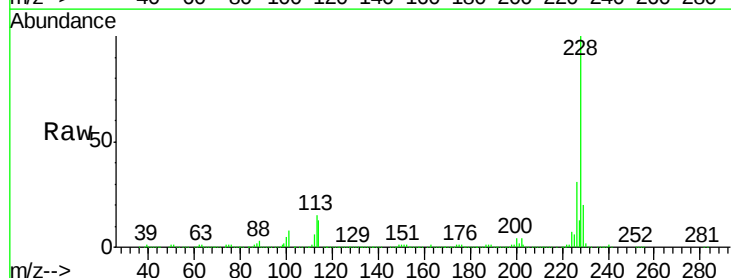
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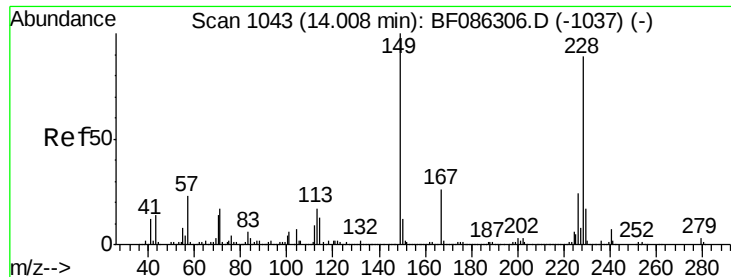
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#82
 Chrysene
 Concen: 48.04 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.6	25.4	38.2	
229	19.9	16.5	24.7	





#83

Bis(2-ethylhexyl)phthalate

Concen: 51.26 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

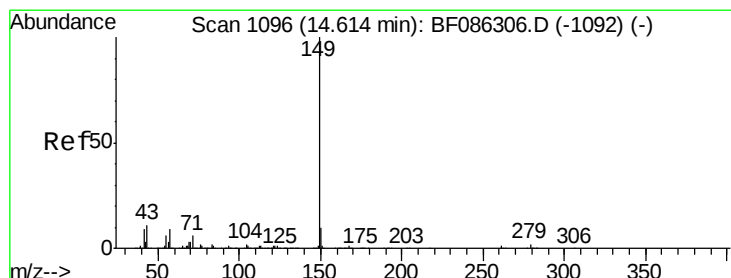
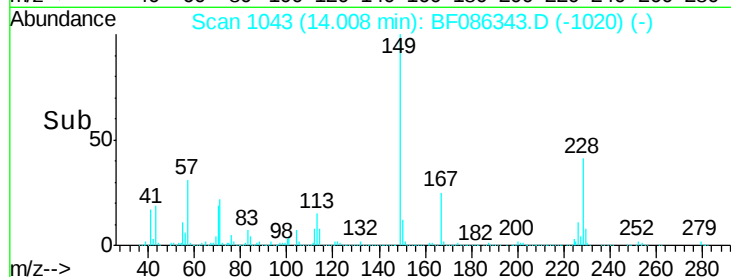
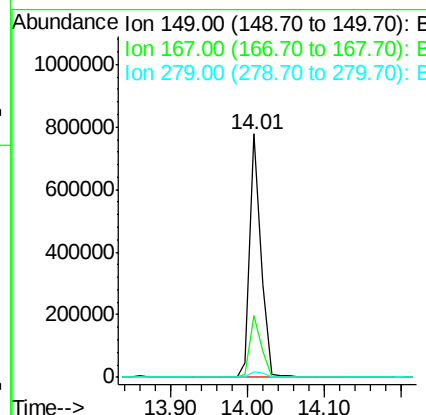
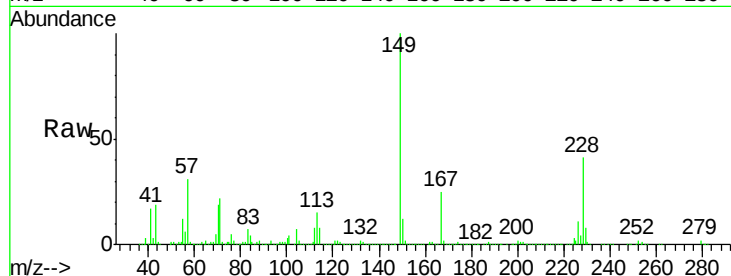
ClientSampleId :

B-931WB(N)(19)MSD

Tot Ion:	149	Resp:	781515
Ion Ratio	Lower	Upper	
149	100		
167	25.5	21.0	31.4
279	2.1	2.4	3.6#

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#84

Di-n-octyl phthalate

Concen: 55.05 ng

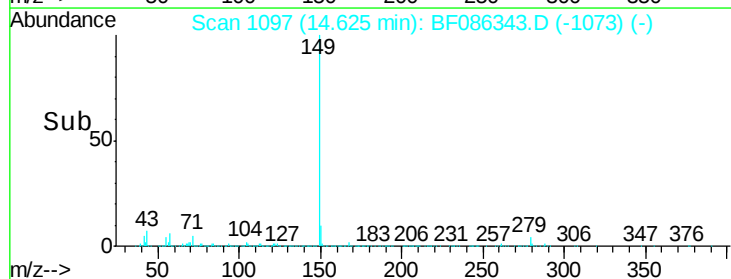
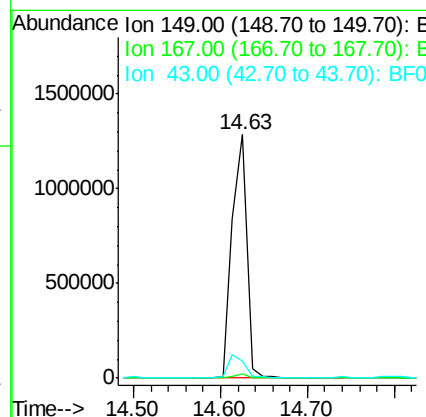
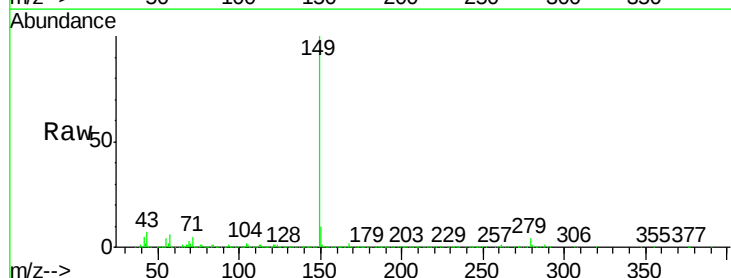
RT: 14.63 min Scan# 1097

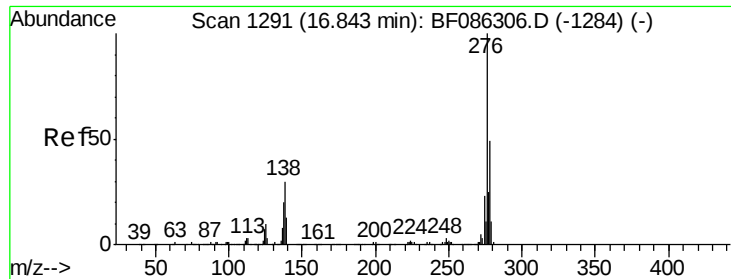
Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt Ion:	149	Resp:	1512606
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.1	1.7
43	9.9	9.1	13.7





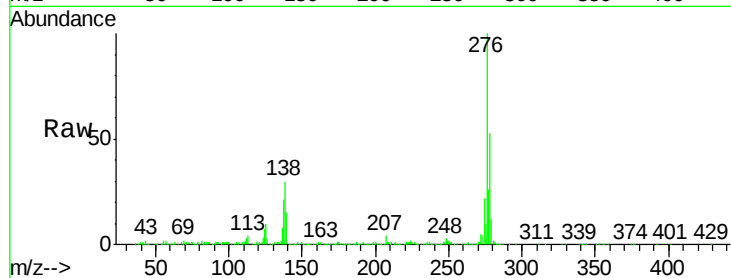
#85
Indeno(1,2,3-cd)pyrene
Concen: 36.87 ng
RT: 16.87 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

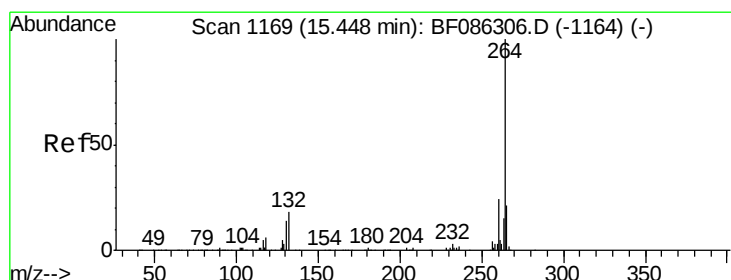
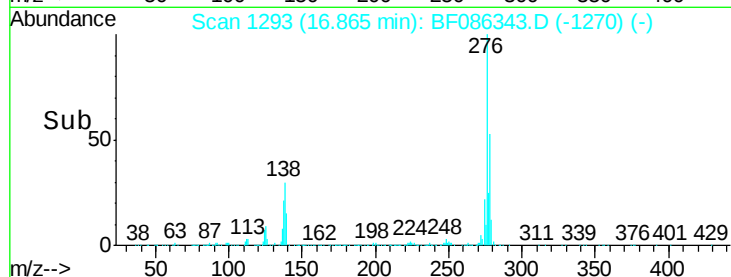
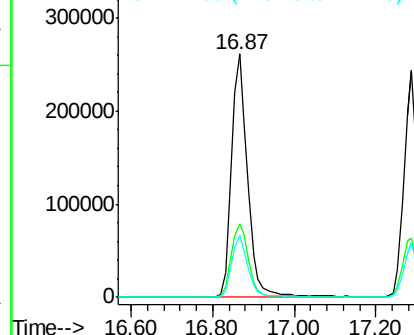
Tot Ion	Ratio	Lower	Upper
276	100		
138	32.1	23.8	35.6
277	25.8	20.2	30.2

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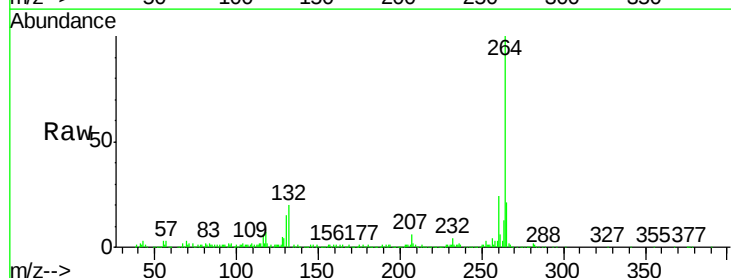


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

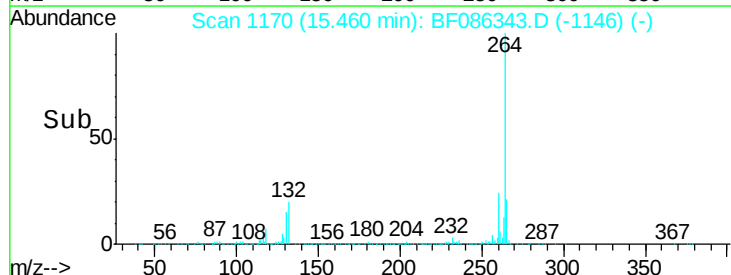
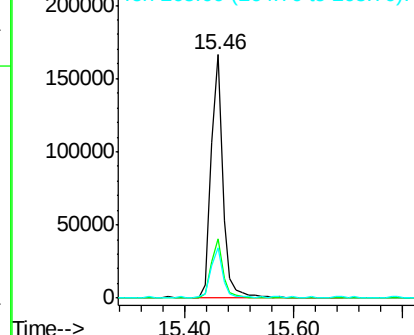


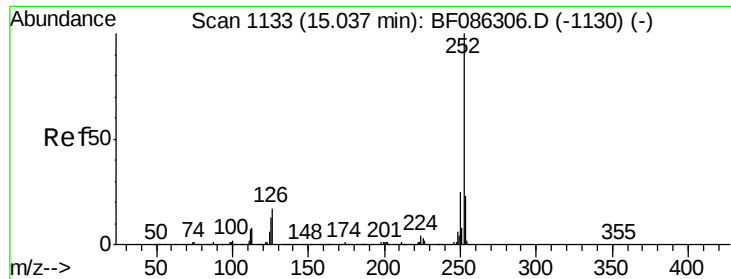
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.0	30.0
265	20.8	17.4	26.0



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





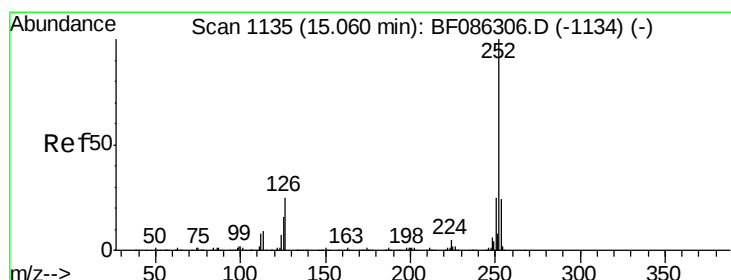
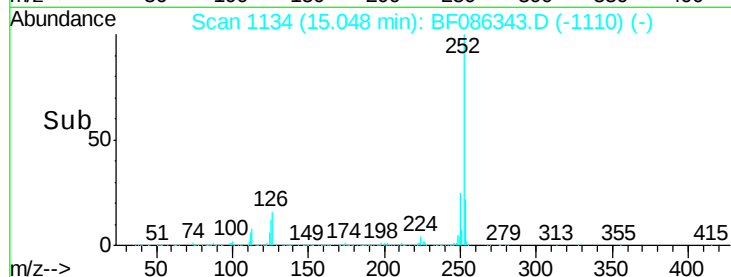
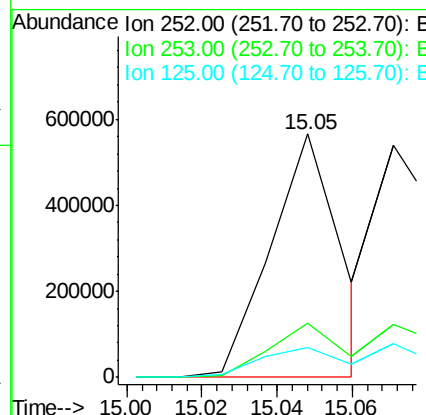
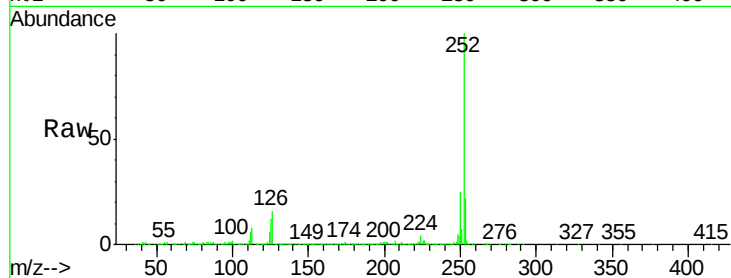
#87
Benzo(b)fluoranthene
Concen: 50.04 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	12.0	10.3	15.5

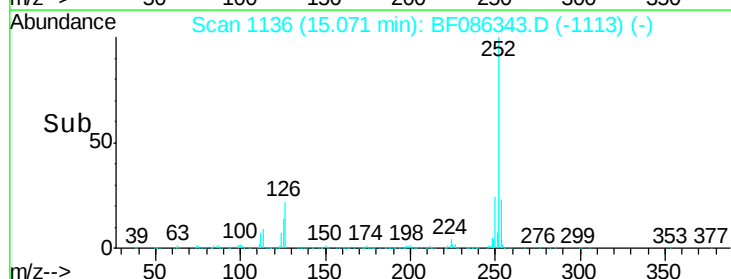
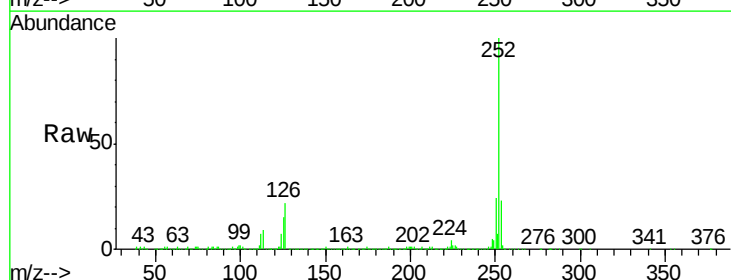
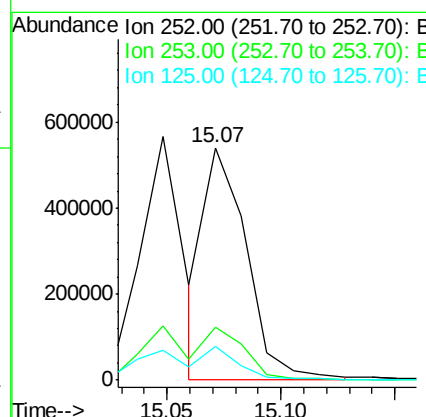
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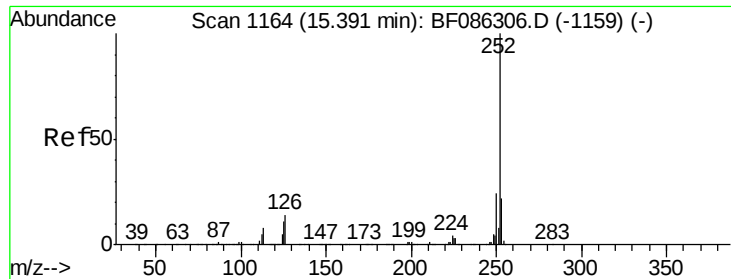
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#88
Benzo(k)fluoranthene
Concen: 57.44 ng m
RT: 15.07 min Scan# 1136
Delta R.T. -0.03 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	14.5	7.8	11.6





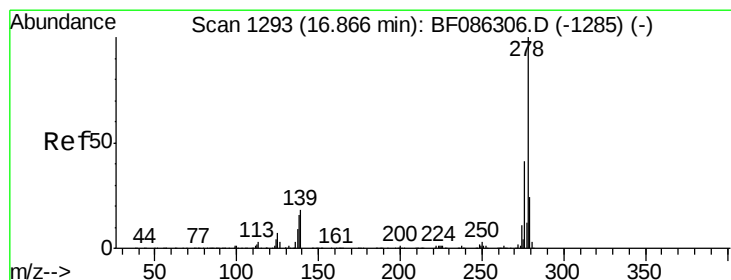
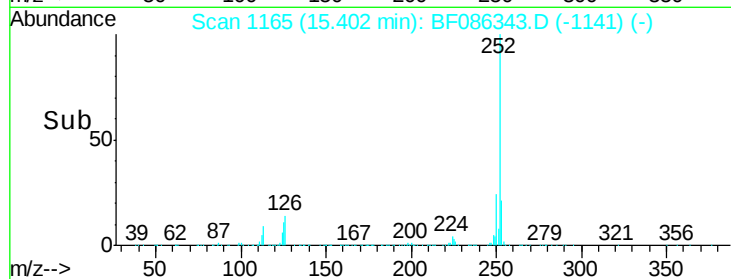
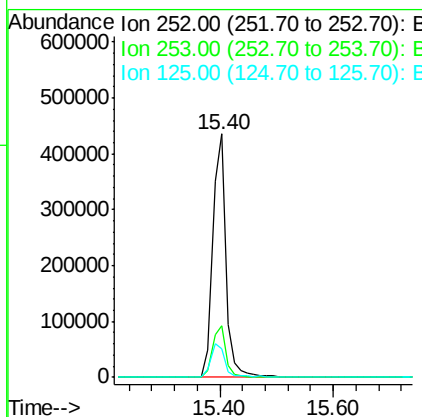
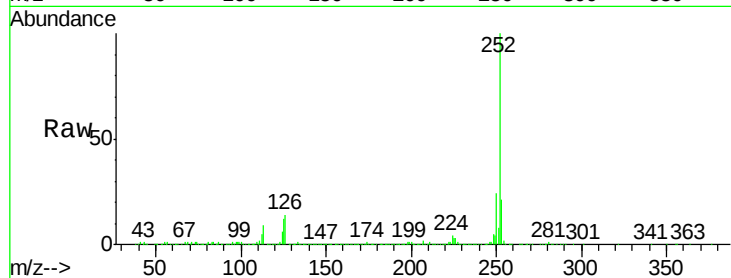
#89
Benzo(a)pyrene
Concen: 50.53 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.8
125	11.5	11.2	16.8

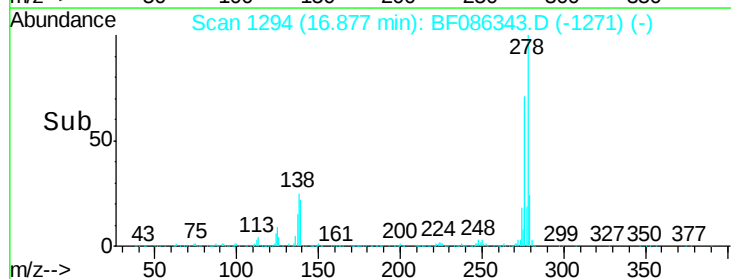
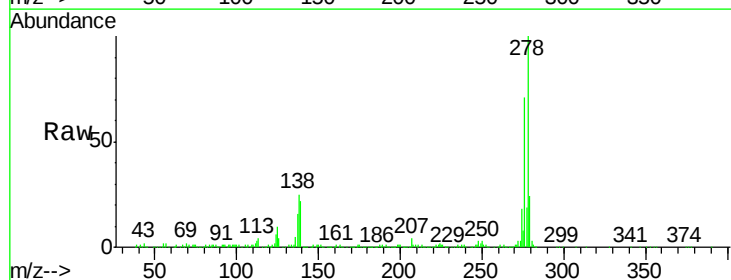
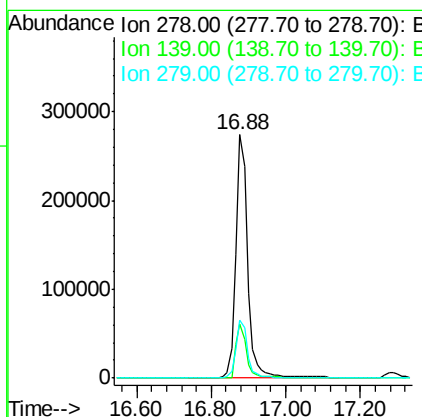
Manual Integrations
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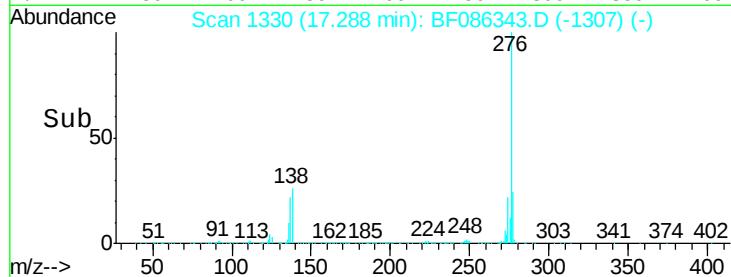
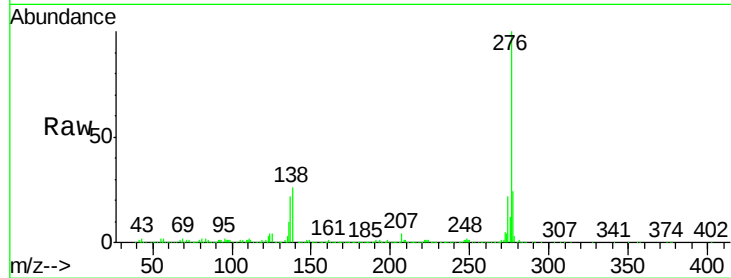
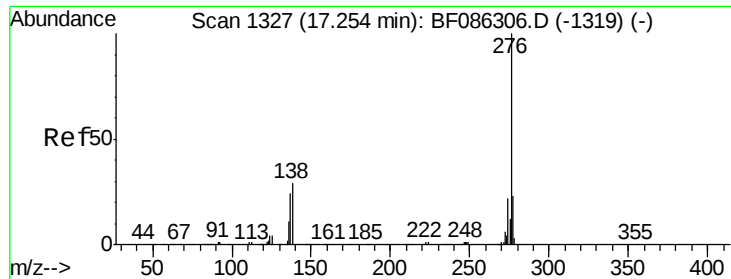
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#90
Dibenzo(a,h)anthracene
Concen: 51.74 ng
RT: 16.88 min Scan# 1294
Delta R.T. -0.03 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.4	15.3	22.9
279	23.9	19.1	28.7





#91
 Benzo(a,h,i)perylene
 Concen: 53.14 ng
 RT: 17.29 min Scan# 1330
 Delta R.T. -0.03 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

Tot Ion:	276	Resp:	598457
Ion Ratio		Lower	Upper
276	100		
277	23.8	19.0	28.6
138	25.9	19.6	29.4

Manual Integrations
 APPROVED

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