

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050616\
 Data File : BF086763.D
 Acq On : 7 May 2016 9:58
 Operator : UM/SJ
 Sample : PB90333BS
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BS

Manual Integrations
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Sohil
 5/9/2016 7:17:35 PM

Quant Time: May 07 23:27:39 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	170243	40.00	ng	-0.03
21) Naphthalene-d8	8.00	136	693837	40.00	ng	-0.03
38) Acenaphthene-d10	9.74	164	332359	40.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	555452	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	381535	40.00	ng	-0.03
86) Perylene-d12	15.23	264	333262	40.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	1287917	125.24	ng	0.00
7) Phenol-d6	6.37	99	1637861	118.24	ng	0.00
23) Nitrobenzene-d5	7.28	82	1039630	77.00	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	382469	117.64	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	1645222	81.14	ng	-0.03
78) Terphenyl-d14	12.81	244	1632337	86.47	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.32	88	165107	31.06	ng	# 72
3) Pyridine	3.02	79	408561	31.35	ng	# 63
4) n-Nitrosodimethylamine	2.94	42	323455	40.92	ng	# 48
6) Aniline	6.37	93	424863	24.85	ng	# 27
8) 2-Chlorophenol	6.50	128	483653	39.19	ng	98
9) Benzaldehyde	6.26	77	46691	6.76	ng	94
10) Phenol	6.38	94	633487	41.80	ng	79
11) bis(2-Chloroethyl)ether	6.45	93	529262	40.58	ng	91
12) 1,3-Dichlorobenzene	6.65	146	495080	37.78	ng	98
13) 1,4-Dichlorobenzene	6.72	146	498132m	36.77	ng	
14) 1,2-Dichlorobenzene	6.88	146	470429	39.88	ng	99
15) Benzyl Alcohol	6.86	79	393979	43.96	ng	# 86
16) 2,2'-oxybis(1-Chloropropan	6.99	45	989528	37.10	ng	62
17) 2-Methylphenol	6.99	107	399951	40.25	ng	# 83
18) Hexachloroethane	7.21	117	198515	38.81	ng	95
19) n-Nitroso-di-n-propylamine	7.14	70	395659	41.80	ng	# 78
20) 3+4-Methylphenols	7.14	107	503206	43.25	ng	# 72
22) Acetophenone	7.13	105	680112	42.07	ng	99
24) Nitrobenzene	7.30	77	592799	42.47	ng	96
25) Isophorone	7.54	82	999577	39.75	ng	99
26) 2-Nitrophenol	7.62	139	260196	41.78	ng	97
27) 2,4-Dimethylphenol	7.66	122	428023	39.13	ng	89
28) bis(2-Chloroethoxy)methane	7.76	93	624494	45.12	ng	98
29) 2,4-Dichlorophenol	7.86	162	391550	41.64	ng	95
30) 1,2,4-Trichlorobenzene	7.94	180	438163	41.77	ng	98
31) Naphthalene	8.02	128	1390880	39.24	ng	100
32) Benzoic acid	7.82	122	294705	65.38	ng	# 84
33) 4-Chloroaniline	8.08	127	210429	15.32	ng	96
34) Hexachlorobutadiene	8.13	225	251590	42.24	ng	98
35) Caprolactam	8.46	113	123082m	42.29	ng	
36) 4-Chloro-3-methylphenol	8.58	107	472585	44.05	ng	99
37) 2-Methylnaphthalene	8.70	142	929165	44.43	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.88	216	383679	39.88	ng	98
40) Hexachlorocyclopentadiene	8.85	237	444416	98.68	ng	97

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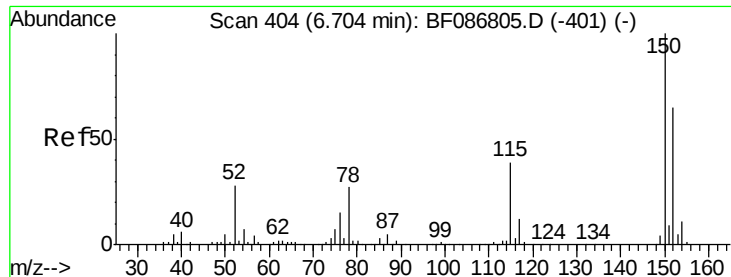
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.99	196	266109	43.50	ng	95
43) 2,4,5-Trichlorophenol	9.04	196	271009	42.40	ng #	80
45) 1,1'-Biphenyl	9.17	154	1176785	43.31	ng	98
46) 2-Chloronaphthalene	9.20	162	868339	41.41	ng	99
47) 2-Nitroaniline	9.30	65	299061	40.12	ng #	75
48) Acenaphthylene	9.61	152	1346467	43.26	ng	99
49) Dimethylphthalate	9.48	163	985679	39.78	ng	100
50) 2,6-Dinitrotoluene	9.54	165	200899	37.78	ng #	72
51) Acenaphthene	9.78	154	844869	41.15	ng	98
52) 3-Nitroaniline	9.71	138	147977	24.48	ng #	76
53) 2,4-Dinitrophenol	9.82	184	265078	102.63	ng	88
54) Dibenzofuran	9.95	168	1118658	43.95	ng	95
55) 4-Nitrophenol	9.90	139	249586	70.82	ng	94
56) 2,4-Dinitrotoluene	9.95	165	275082	41.75	ng #	85
57) Fluorene	10.29	166	940190	45.58	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.08	232	243829	51.95	ng	98
59) Diethylphthalate	10.18	149	967962	41.28	ng	98
60) 4-Chlorophenyl-phenylether	10.28	204	379523	38.70	ng	99
61) 4-Nitroaniline	10.33	138	216361	37.25	ng #	66
62) Azobenzene	10.44	77	1136800	43.75	ng	87
64) 4,6-Dinitro-2-methylphenol	10.35	198	157253	53.71	ng #	46
65) n-Nitrosodiphenylamine	10.41	169	740665	42.00	ng	99
66) 4-Bromophenyl-phenylether	10.77	248	258517	46.83	ng	91
67) Hexachlorobenzene	10.83	284	278378	41.36	ng #	70
68) Atrazine	10.94	200	277010	51.25	ng	94
69) Pentachlorophenol	11.04	266	324945	98.06	ng	97
70) Phenanthrene	11.24	178	1231315	41.27	ng	99
71) Anthracene	11.30	178	1355737	43.39	ng	99
72) Carbazole	11.46	167	1123750	41.42	ng	99
73) Di-n-butylphthalate	11.79	149	1376132	42.72	ng #	98
74) Fluoranthene	12.43	202	1354723	45.31	ng	94
76) Benzidine	12.57	184	181606	21.90	ng	96
77) Pyrene	12.66	202	1316379	43.28	ng	100
79) Butylbenzylphthalate	13.28	149	576497	45.25	ng #	62
80) Benzo(a)anthracene	13.84	228	934384	43.30	ng	99
81) 3,3'-Dichlorobenzidine	13.81	252	198051	14.61	ng #	95
82) Chrysene	13.87	228	984035	42.75	ng	99
83) Bis(2-ethylhexyl)phthalate	13.84	149	726713	49.29	ng #	94
84) Di-n-octyl phthalate	14.45	149	1364086	62.88	ng #	85
85) Indeno(1,2,3-cd)pyrene	16.52	276	800524	40.53	ng	95
87) Benzo(b)fluoranthene	14.84	252	1155044m	57.68	ng	
88) Benzo(k)fluoranthene	14.88	252	624231m	33.08	ng	
89) Benzo(a)pyrene	15.17	252	806841	43.74	ng	99
90) Dibenzo(a,h)anthracene	16.53	278	674669	38.08	ng	97
91) Benzo(g,h,i)perylene	16.91	276	659351	35.44	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.03 min

Lab File: BF086763.D

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Instrument :

BNA_F

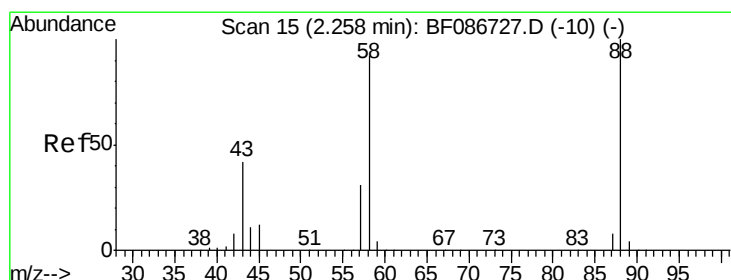
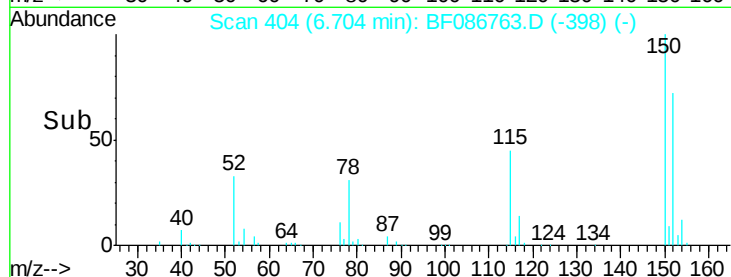
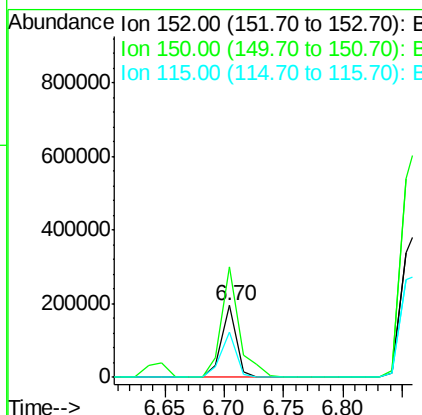
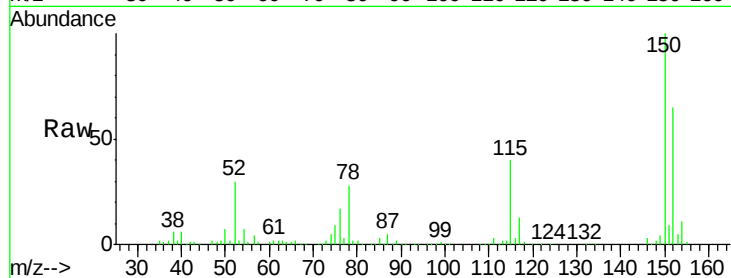
ClientSampleId :

PB90333BS

Tgt Ion:	152	Resp:	170243
Ion Ratio	Lower	Upper	
152	100		
150	154.5	125.8	188.6
115	62.5	51.5	77.3

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#2

1,4-Dioxane

Concen: 31.06 ng

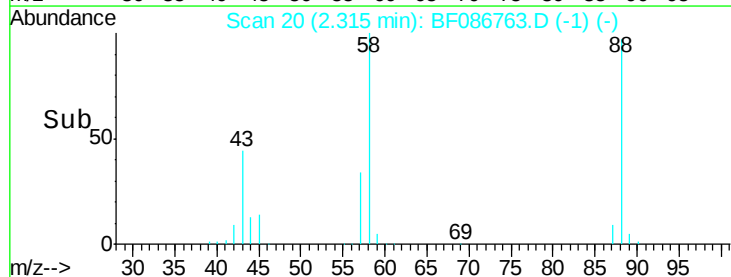
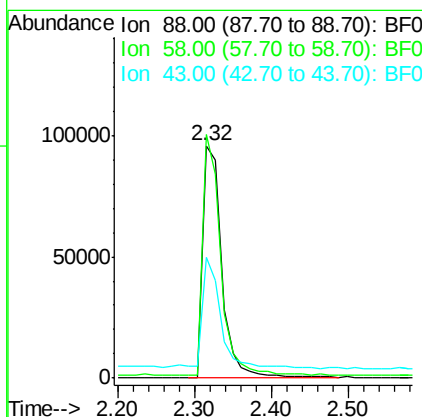
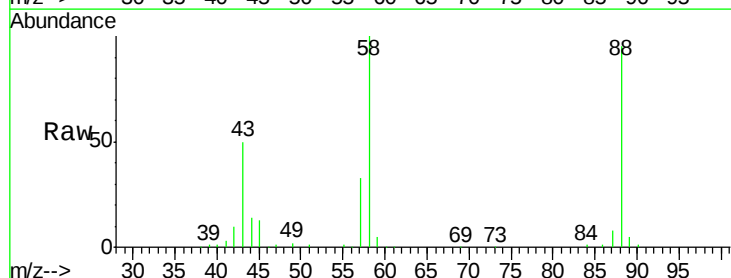
RT: 2.32 min Scan# 20

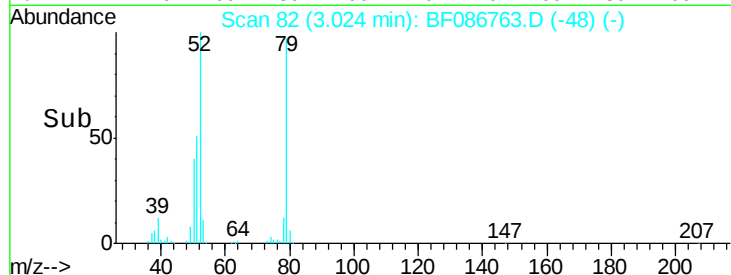
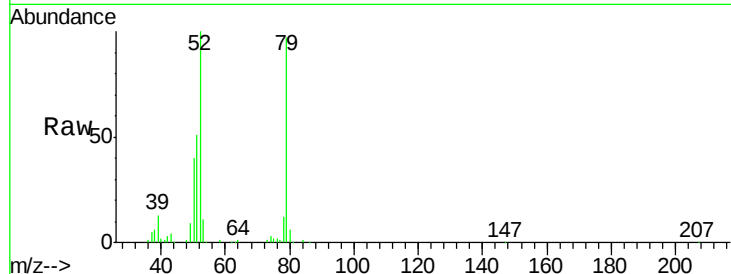
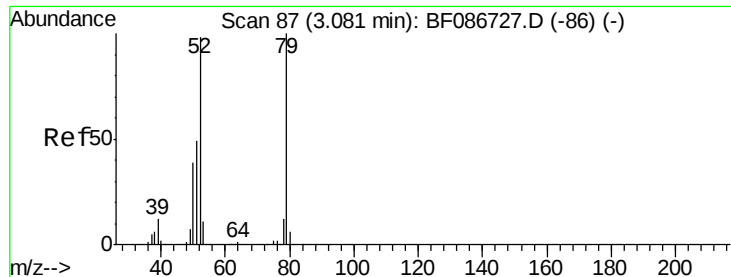
Delta R.T. 0.06 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Tgt Ion:	88	Resp:	165107
Ion Ratio	Lower	Upper	
88	100		
58	96.5	59.6	89.4#
43	43.7	21.8	32.6#





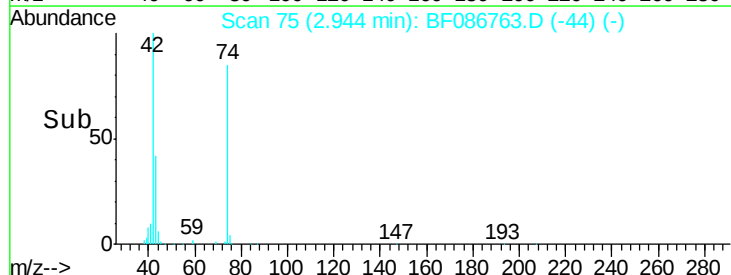
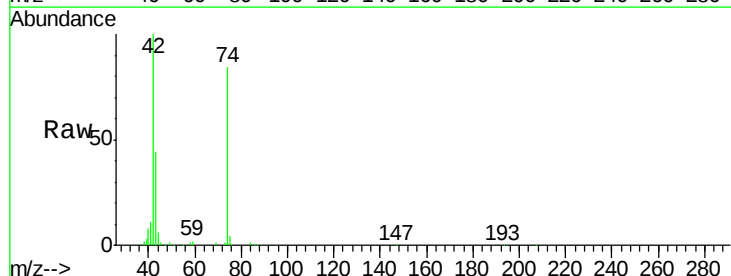
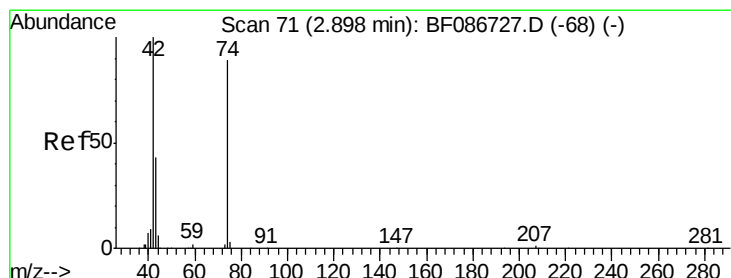
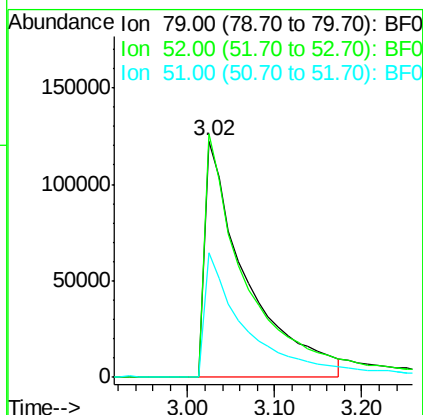
#3
 Pyridine
 Concen: 31.35 ng
 RT: 3.02 min Scan# 82
 Delta R.T. 0.09 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
79	100		
52	103.1	55.9	83.9#
51	52.9	28.1	42.1#

Instrument :
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 PB90333BS

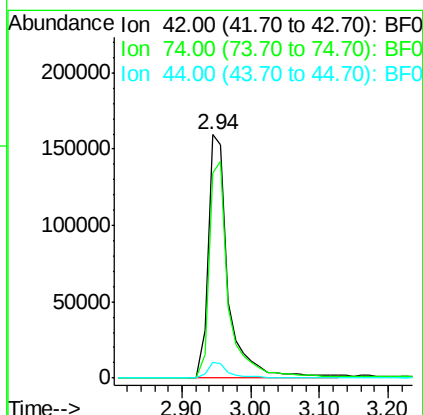
Manual Integrations
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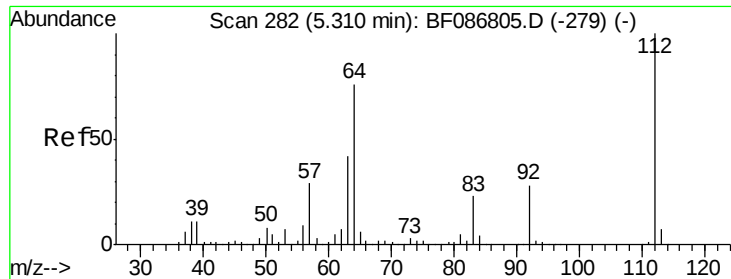
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#4
 n-Nitrosodimethylamine
 Concen: 40.92 ng
 RT: 2.94 min Scan# 75
 Delta R.T. 0.06 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
42	100		
74	84.3	123.4	185.0#
44	6.5	5.8	8.6





#5

2-Fluorophenol

Concen: 125.24 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086763.D

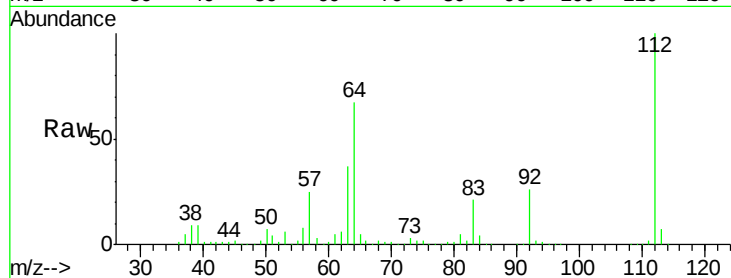
Acq: 7 May 2016 9:58

Instrument :

BNA_F

ClientSampled :

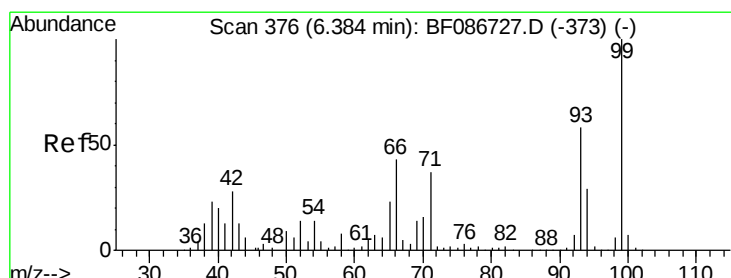
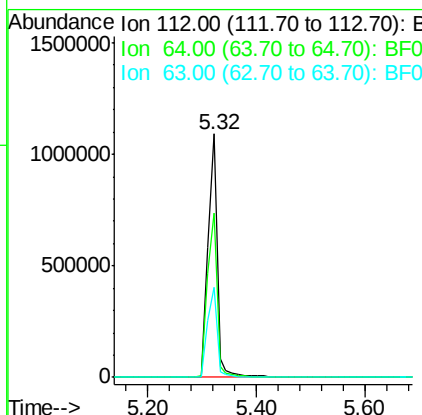
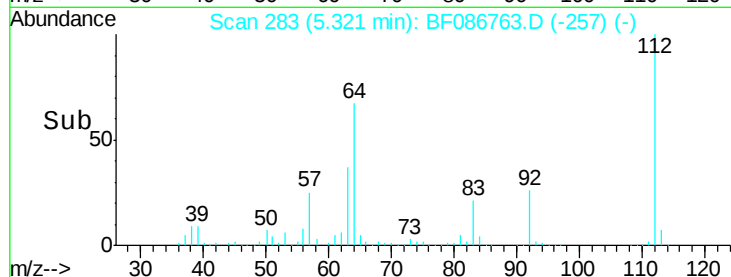
PB90333BS



Tgt Ion:	112	Resp:	1287917
Ion Ratio	Lower	Upper	
112	100		
64	67.4	52.1	78.1
63	37.0	25.7	38.5

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#6

Aniline

Concen: 24.85 ng

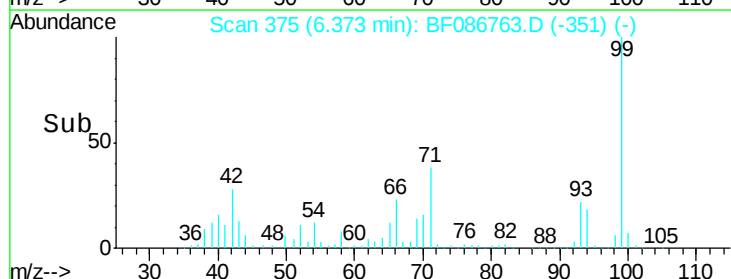
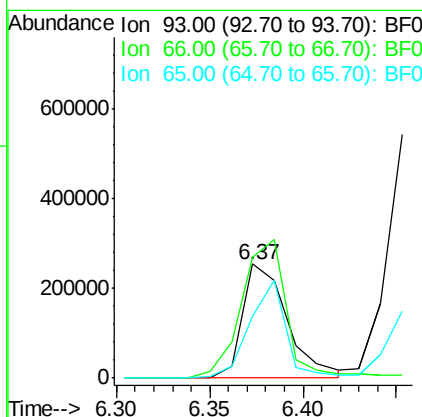
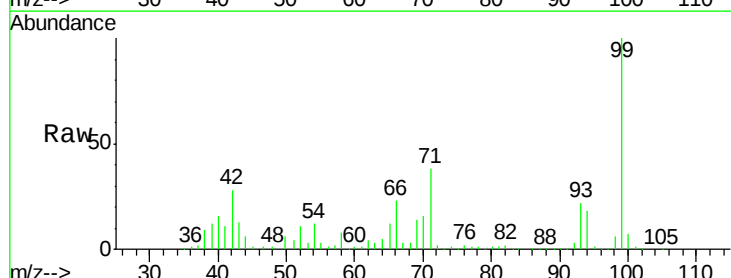
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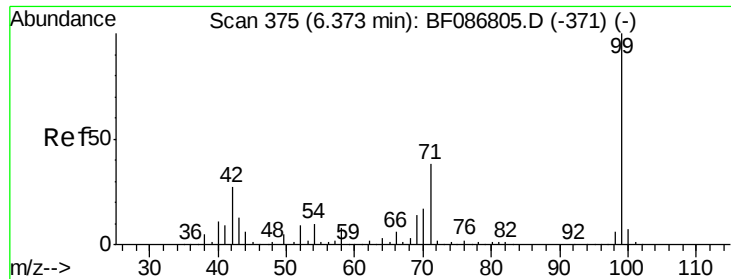
Delta R.T. -0.02 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Tgt Ion:	93	Resp:	424863
Ion Ratio	Lower	Upper	
93	100		
66	105.3	39.0	58.6#
65	53.8	20.6	31.0#





#7

Phenol-d6

Concen: 118.24 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

ClientSampleId :

PB90333BS

Tgt Ion: 99 Resp: 1637861

Ion Ratio Lower Upper

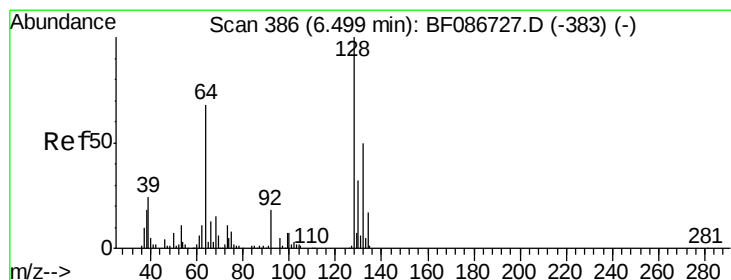
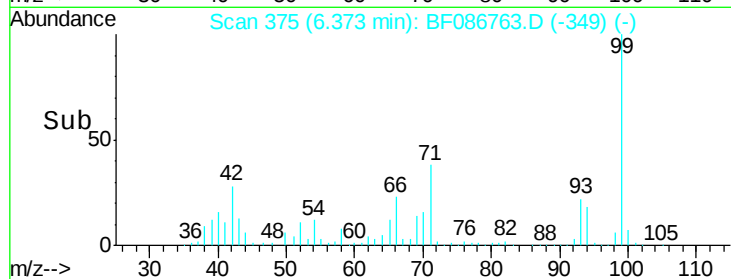
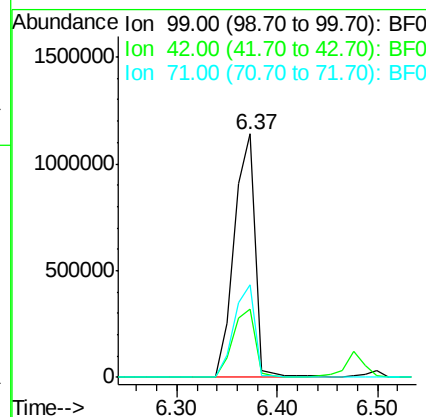
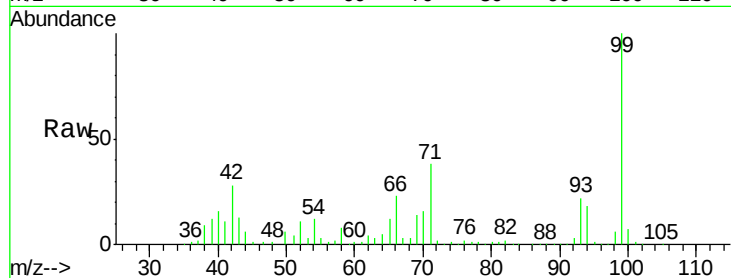
99 100

42 27.8 13.6 20.4#

71 38.1 24.6 36.8#

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#8

2-Chlorophenol

Concen: 39.19 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

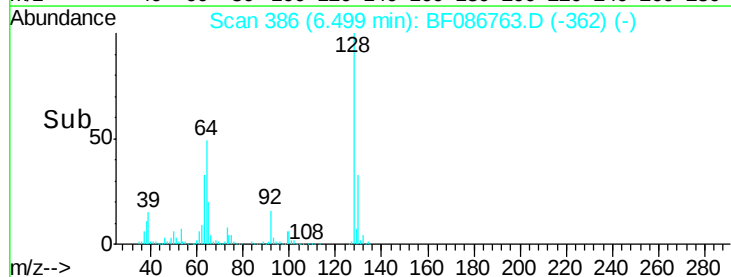
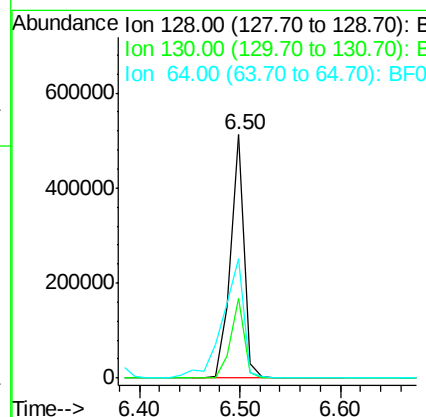
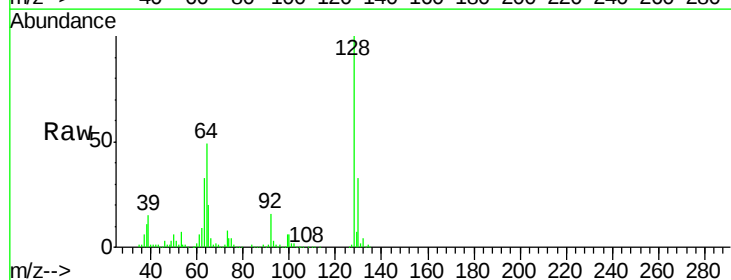
Tgt Ion: 128 Resp: 483653

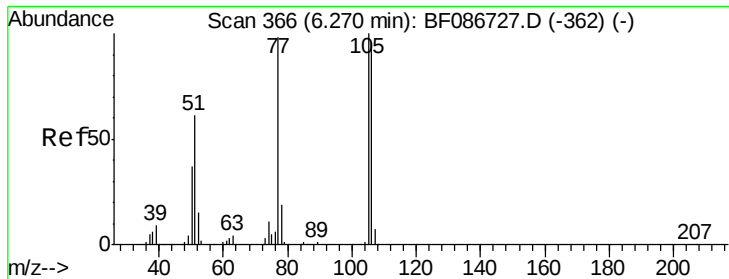
Ion Ratio Lower Upper

128 100

130 32.9 12.5 52.5

64 49.3 27.3 67.3





#9

Benzaldehyde

Concen: 6.76 ng

RT: 6.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

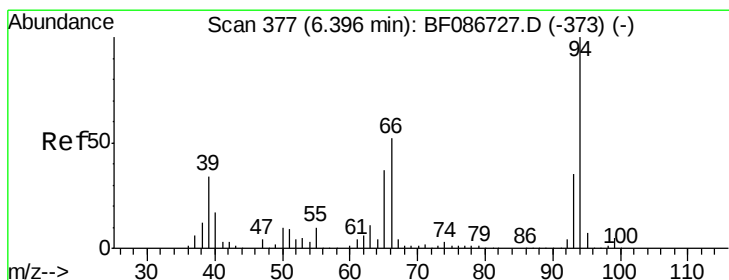
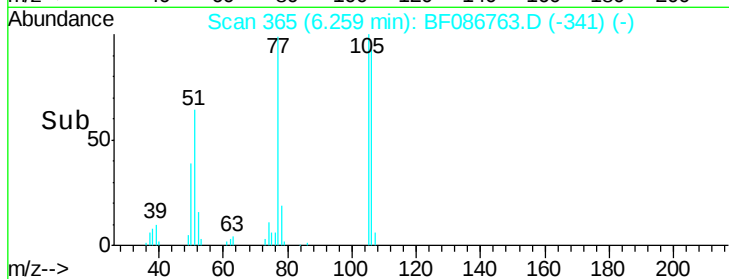
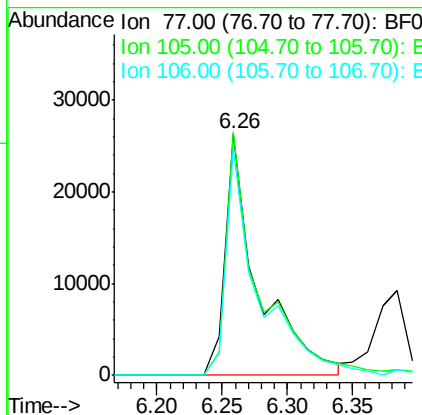
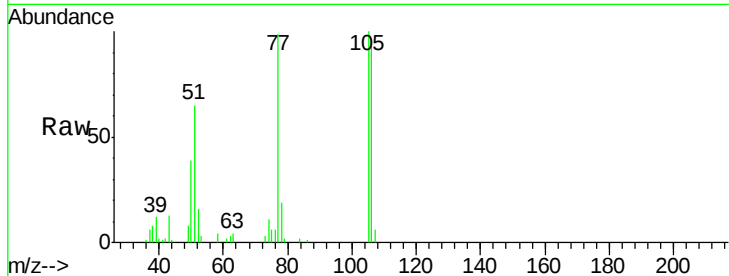
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
77	100		
105	100.8	72.7	112.7
106	94.2	70.8	110.8



#10

Phenol

Concen: 41.80 ng

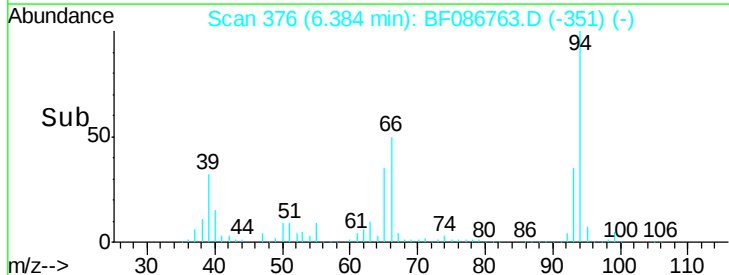
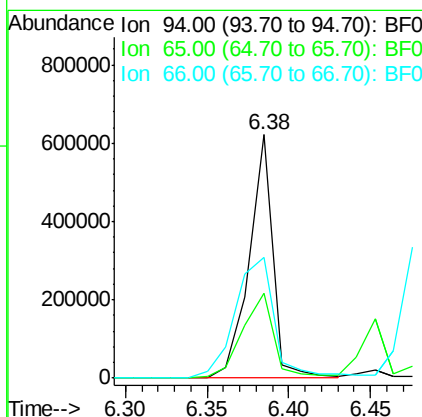
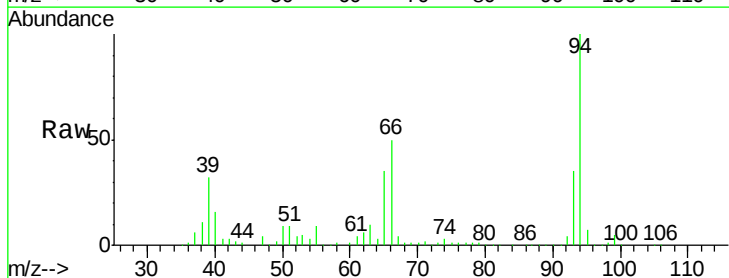
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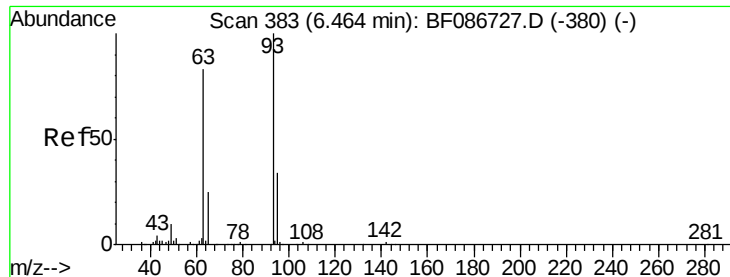
Delta R.T. -0.01 min

Lab File: BF086763.D

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Tgt Ion	Ratio	Lower	Upper
94	100		
65	35.0	7.2	47.2
66	49.5	14.9	54.9





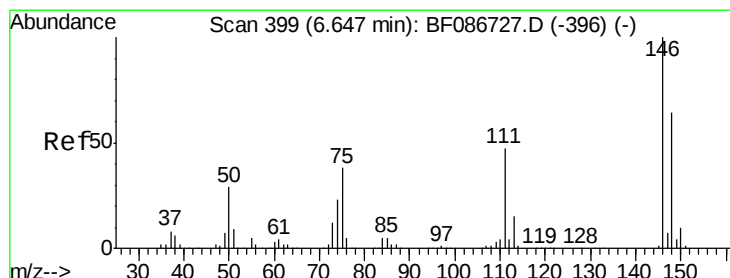
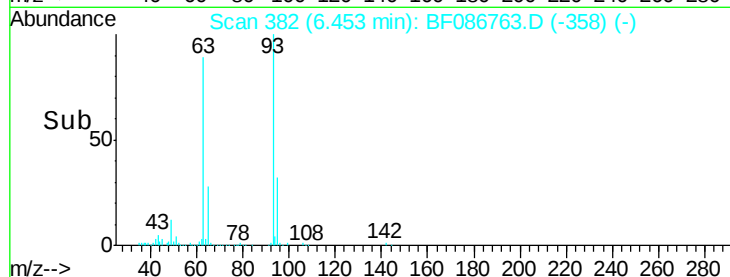
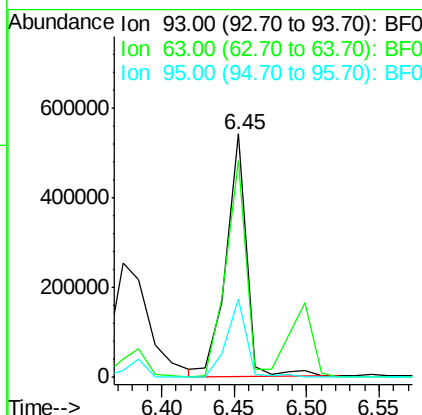
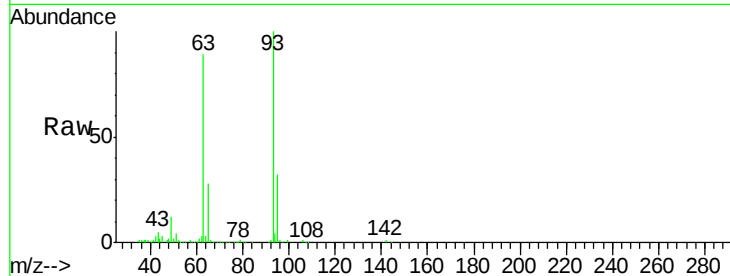
#11
bis(2-Chloroethyl)ether
Concen: 40.58 ng
RT: 6.45 min Scan# 382
Delta R.T. -0.02 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Instrument :
BNA_F
ClientSampleId :
PB90333BS

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	529262		
63	89.0	58.0	98.0	
95	32.4	11.9	51.9	

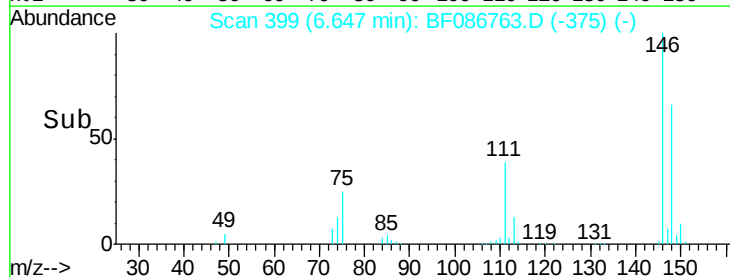
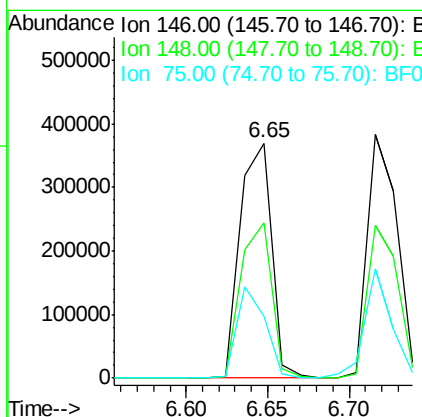
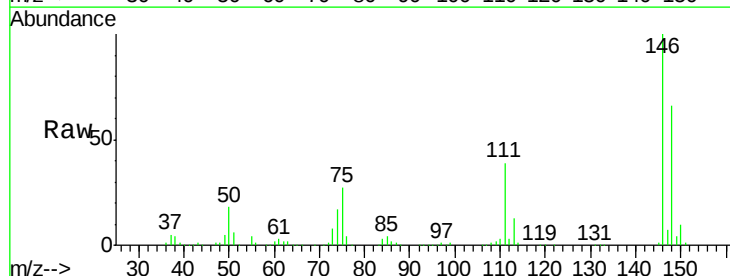
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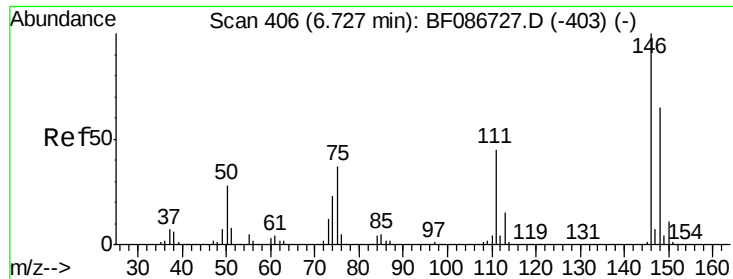
Sohil
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#12
1,3-Dichlorobenzene
Concen: 37.78 ng
RT: 6.65 min Scan# 399
Delta R.T. -0.02 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	495080		
148	65.9	52.4	78.6	
75	26.5	22.8	34.2	





#13

1,4-Dichlorobenzene

Concen: 36.77 ng m

RT: 6.72 min Scan# 405

Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

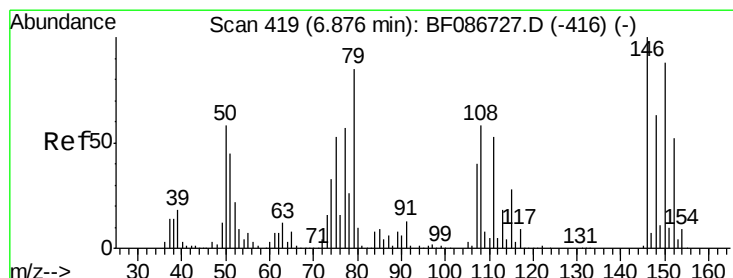
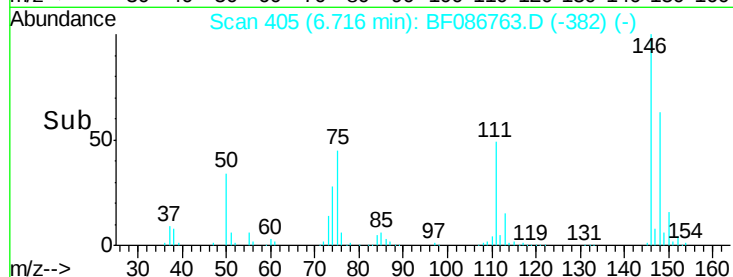
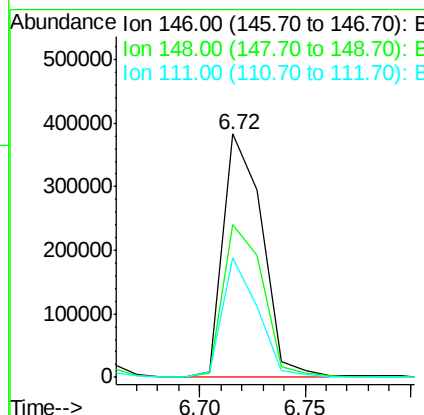
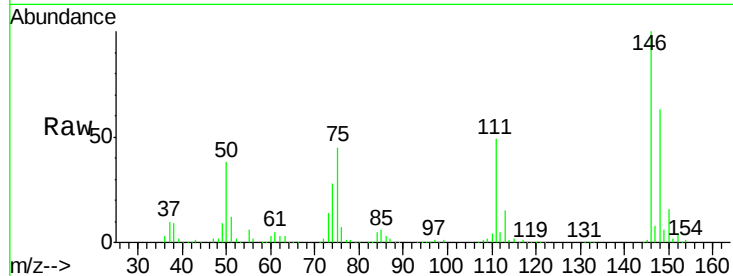
ClientSampled :

PB90333BS

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	498132		
148	62.7	52.2	78.4	
111	49.1	30.7	46.1#	

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#14

1,2-Dichlorobenzene

Concen: 39.88 ng

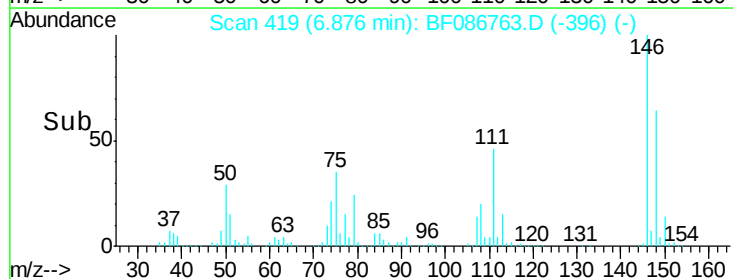
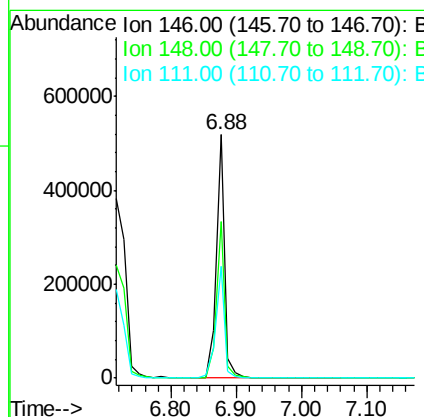
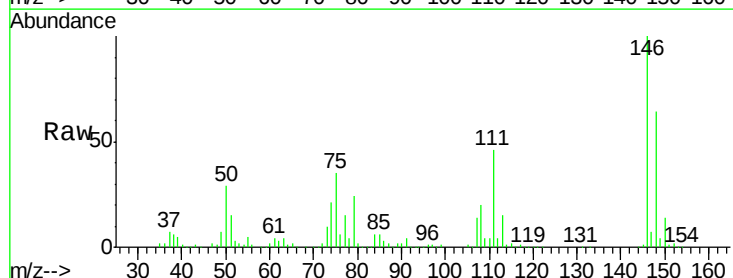
RT: 6.88 min Scan# 419

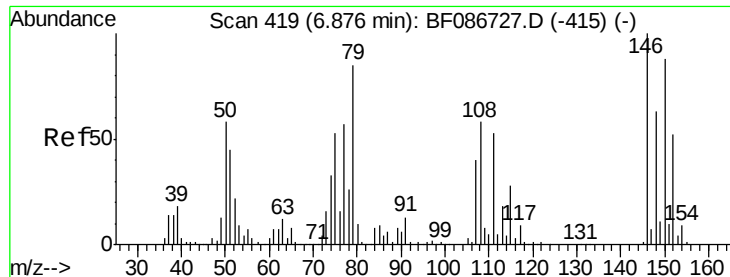
Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	470429		
148	64.1	51.0	76.6	
111	46.0	36.2	54.4	





#15

Benzyl Alcohol

Concen: 43.96 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

ClientSampled :

PB90333BS

Tgt Ion: 79 Resp: 393979

Ion Ratio Lower Upper

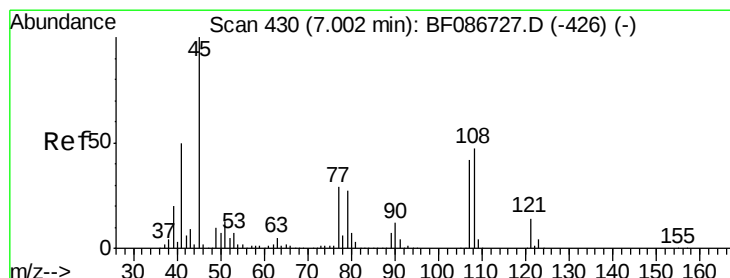
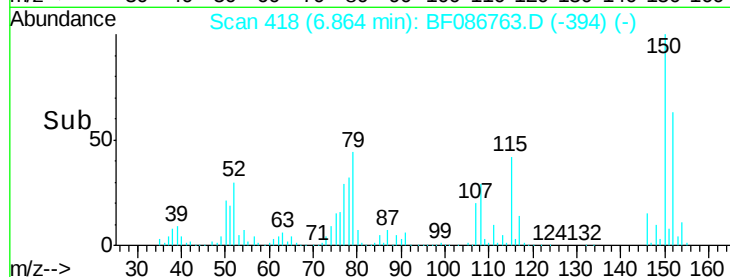
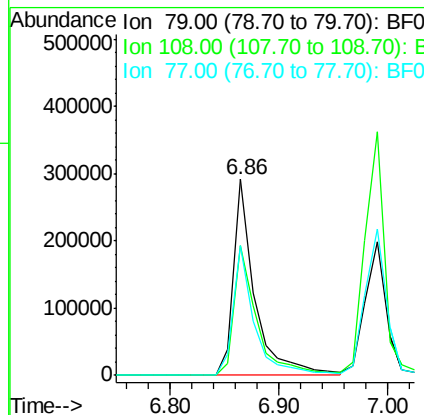
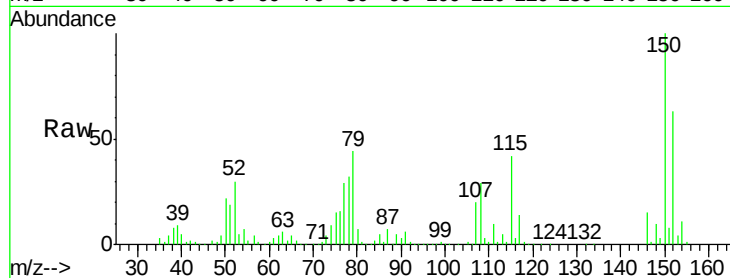
79 100

108 66.2 68.4 102.6#

77 66.2 50.6 76.0

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.10 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

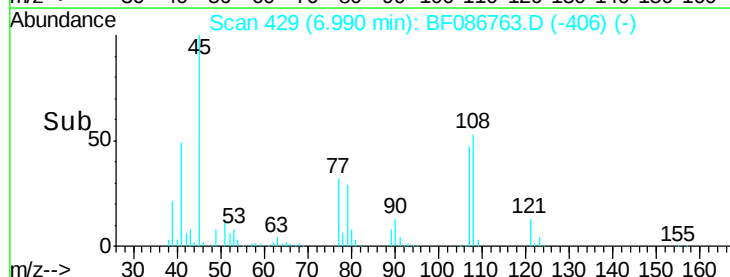
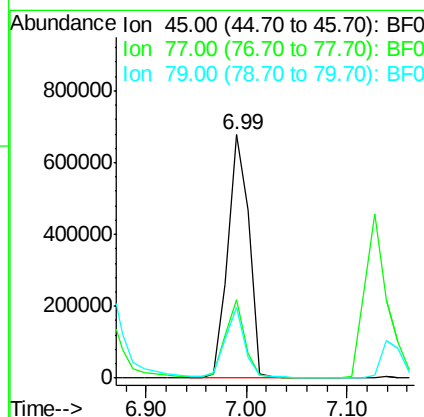
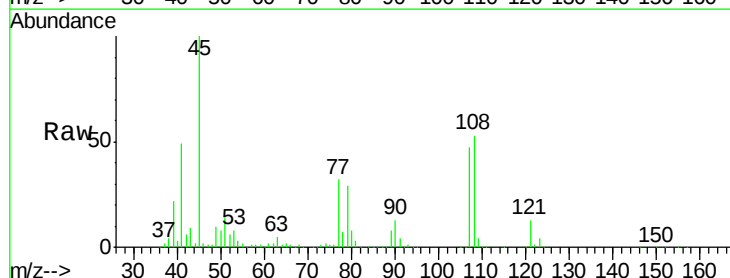
Tgt Ion: 45 Resp: 989528

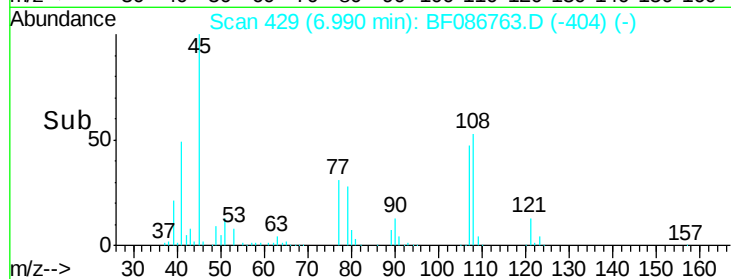
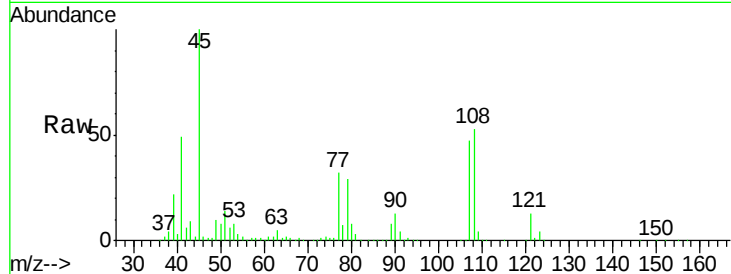
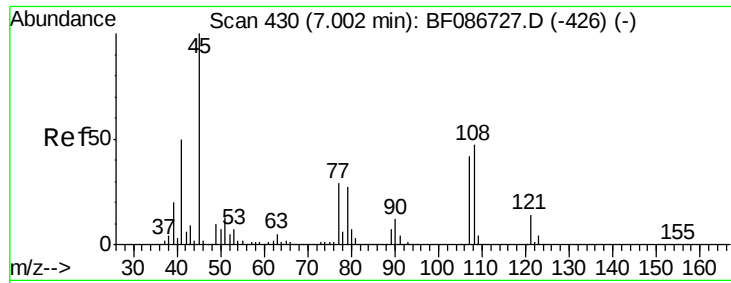
Ion Ratio Lower Upper

45 100

77 32.1 0.0 36.4

79 29.2 0.0 33.4





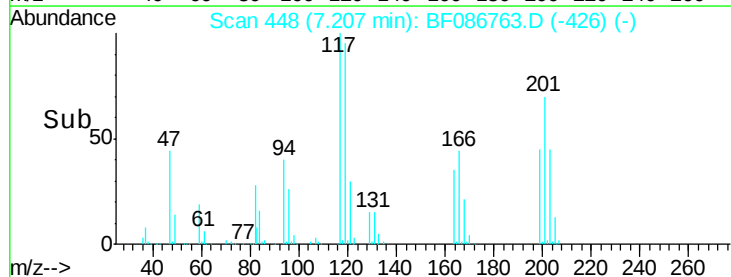
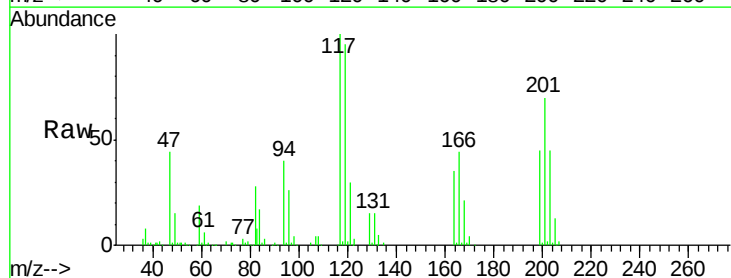
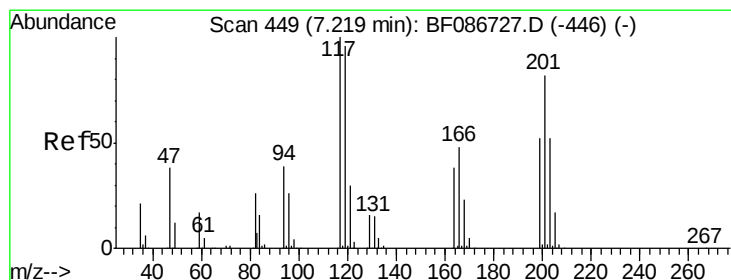
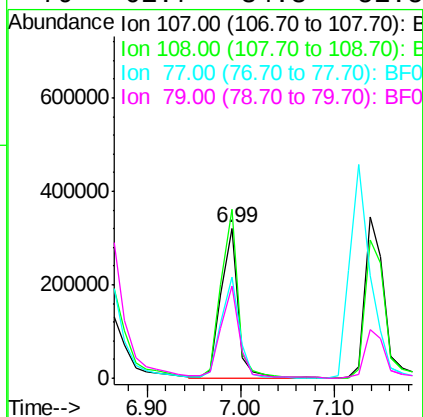
#17
2-Methylphenol
Concen: 40.25 ng
RT: 6.99 min Scan# 429
Delta R.T. -0.01 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	399951		
108	112.8	93.7	140.5	
77	67.8	33.4	50.0#	
79	61.7	34.3	51.5#	

Instrument :
BNA_F
ClientSampleId :
PB90333BS

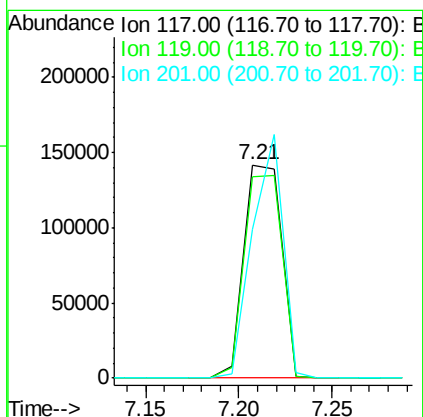
Manual Integrations
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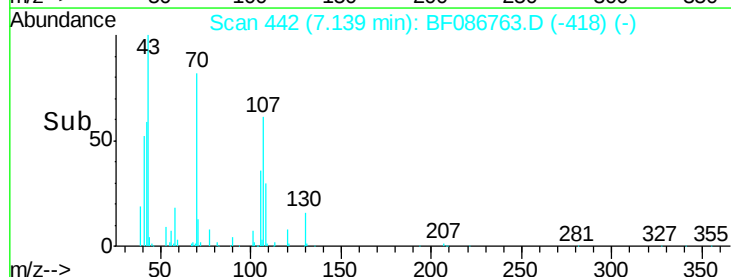
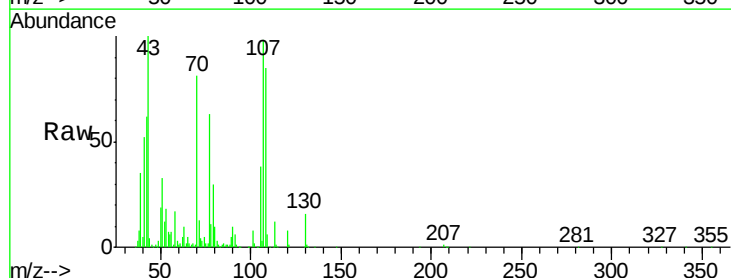
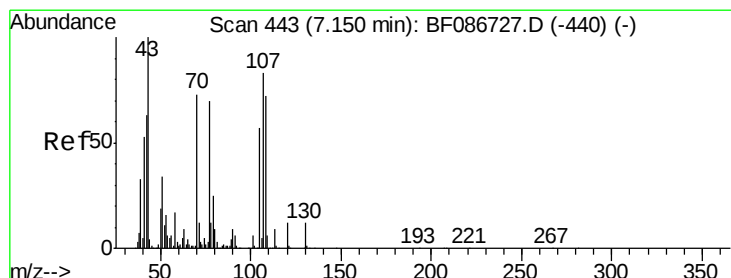
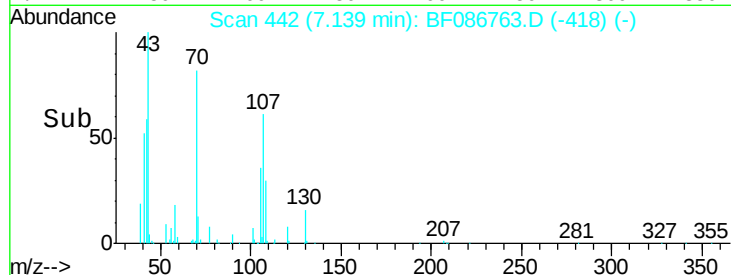
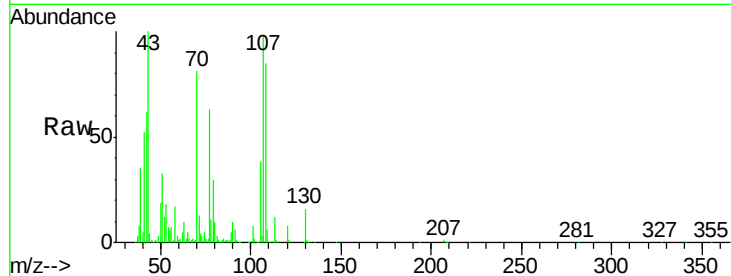
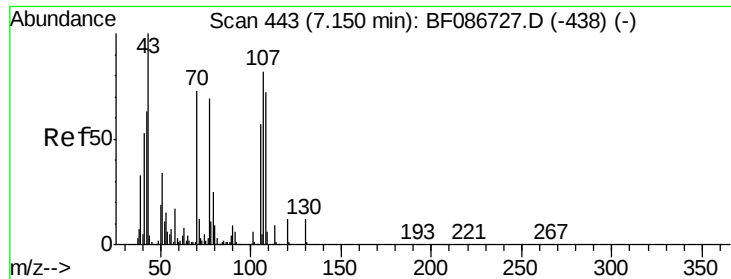
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#18
Hexachloroethane
Concen: 38.81 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.05 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	198515		
119	94.5	76.5	114.7	
201	69.8	63.0	94.6	





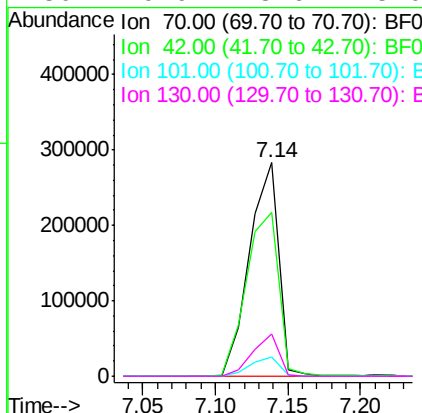
#19
n-Nitroso-di-n-propylamine
Concen: 41.80 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.02 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Instrument :
BNA_F
ClientSampleId :
PB90333BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
70	100		
42	76.8	43.1	64.7#
101	9.3	8.1	12.1
130	19.9	18.6	28.0

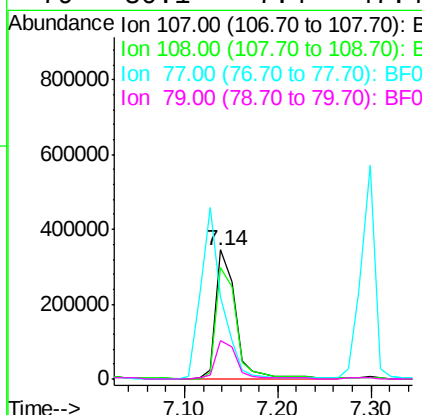
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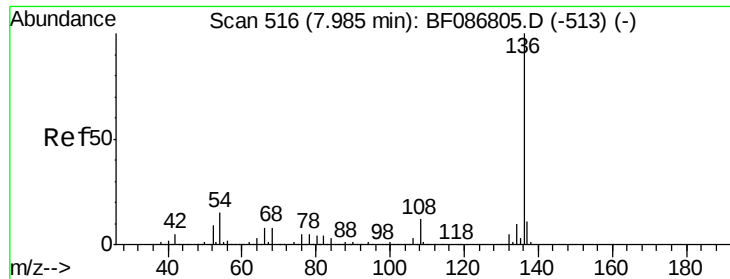
Sohil
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#20
3+4-Methylphenols
Concen: 43.25 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.02 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	86.3	68.5	108.5
77	63.9	101.6	141.6#
79	30.1	7.4	47.4





#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

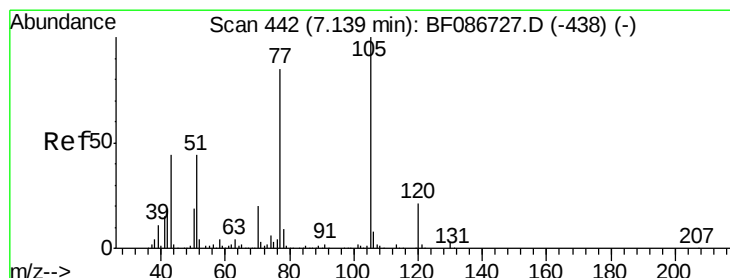
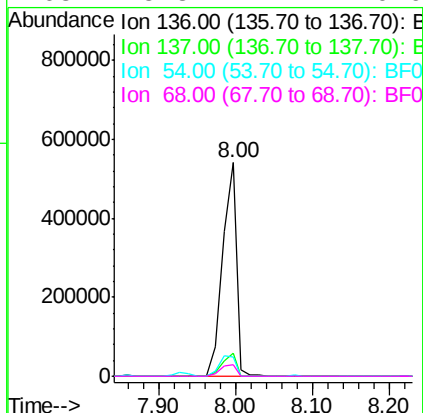
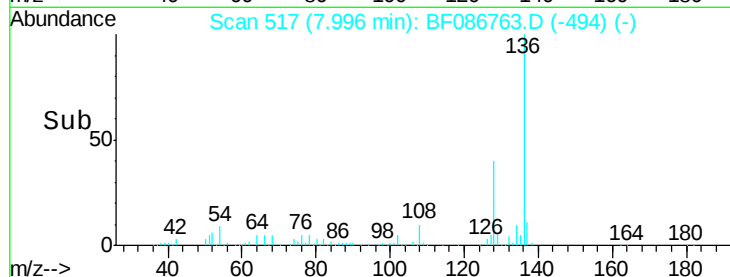
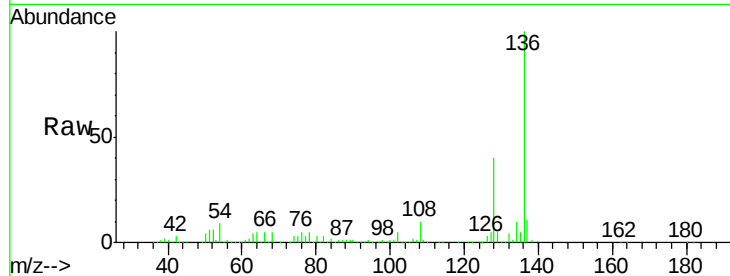
ClientSampleId :

PB90333BS

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	10.7	8.8	13.2
54	9.2	5.0	7.4#
68	5.3	4.4	6.6

Manual Integrations
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#22

Acetophenone

Concen: 42.07 ng

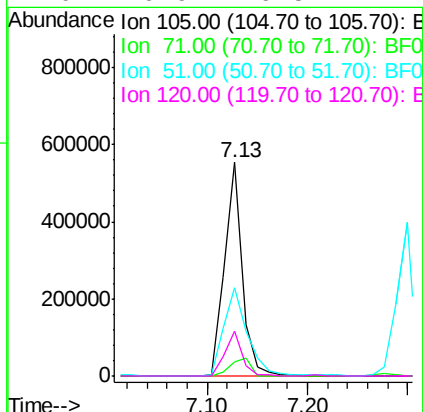
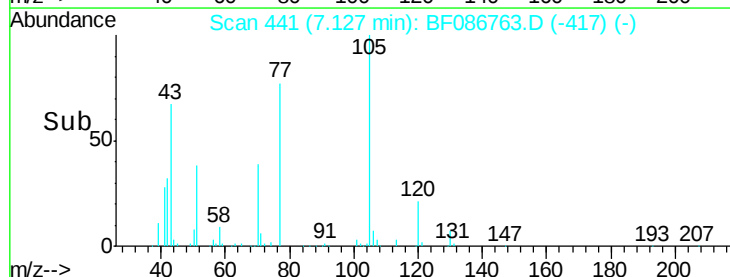
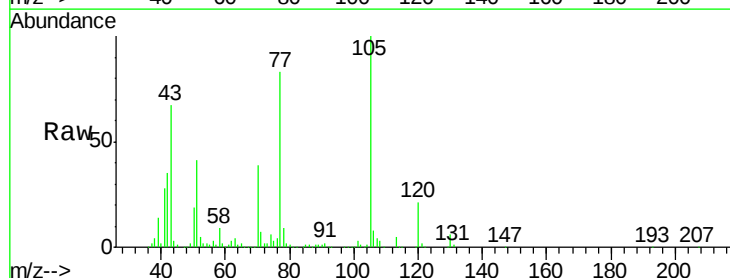
RT: 7.13 min Scan# 441

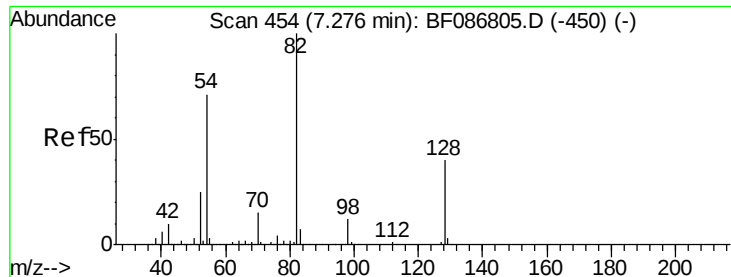
Delta R.T. -0.02 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	6.5	4.8	7.2
51	41.1	32.6	49.0
120	20.9	16.5	24.7





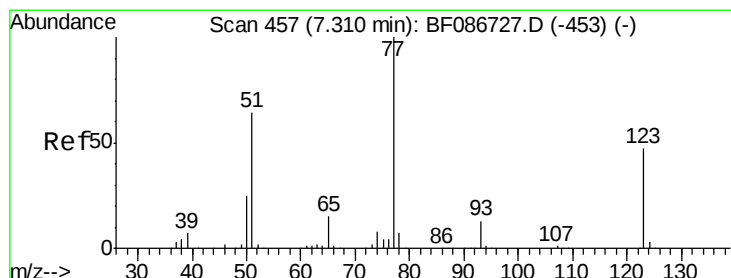
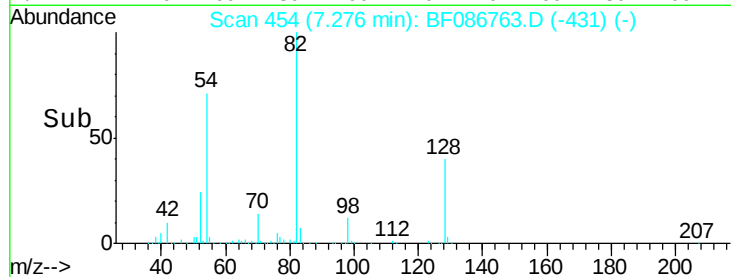
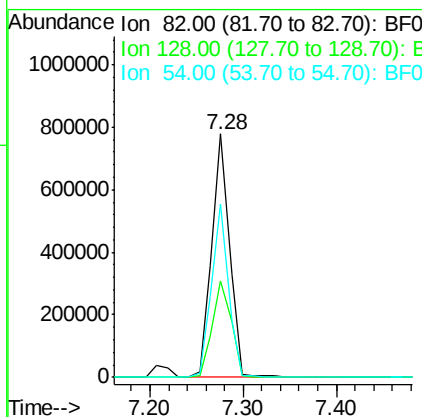
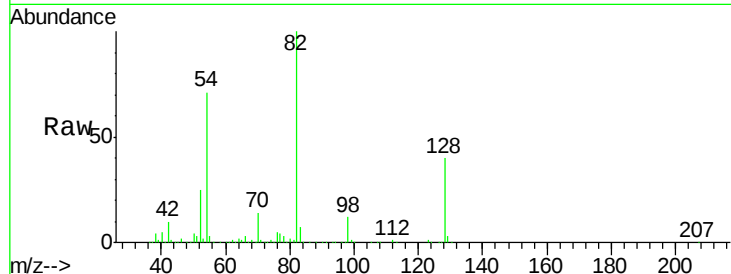
#23
 Nitrobenzene-d5
 Concen: 77.00 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BS

Tgt Ion: 82 Resp: 1039630
 Ion Ratio Lower Upper
 82 100
 128 39.8 40.6 61.0#
 54 71.3 38.1 57.1#

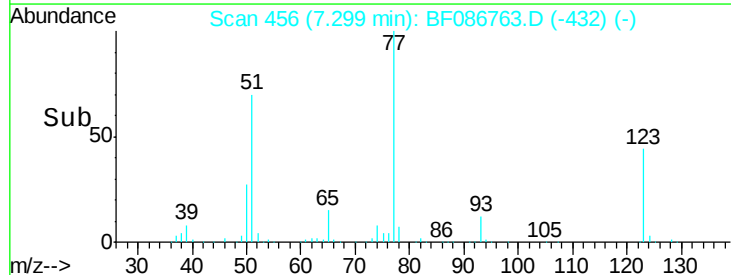
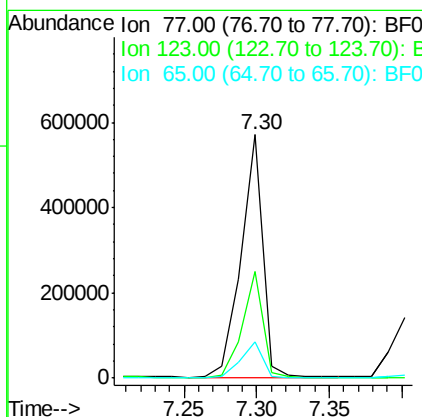
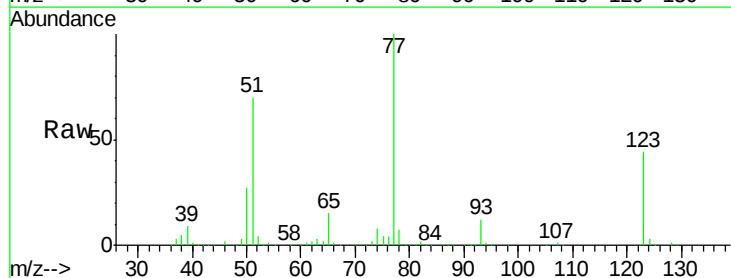
Manual Integrations
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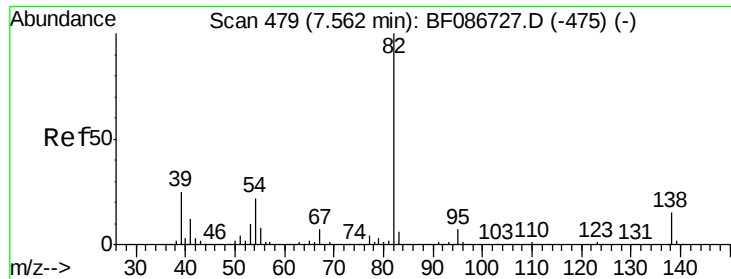
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#24
 Nitrobenzene
 Concen: 42.47 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Tgt Ion: 77 Resp: 592799
 Ion Ratio Lower Upper
 77 100
 123 43.9 33.0 49.4
 65 14.9 10.8 16.2





#25

Isophorone

Concen: 39.75 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

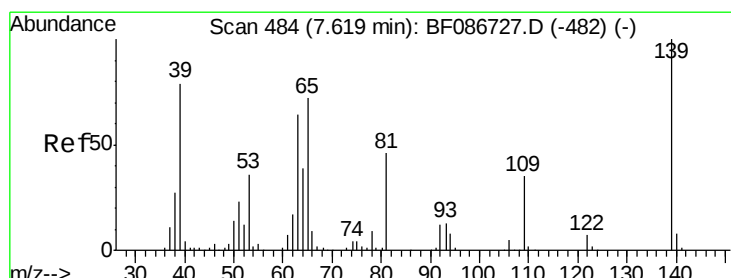
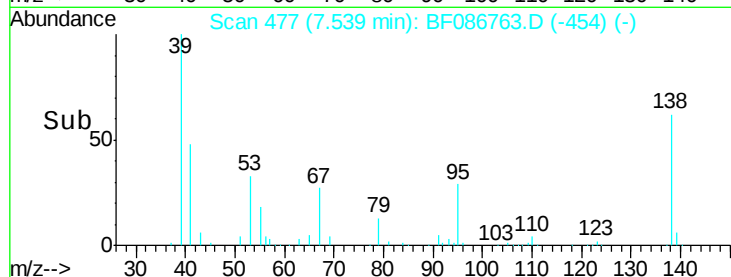
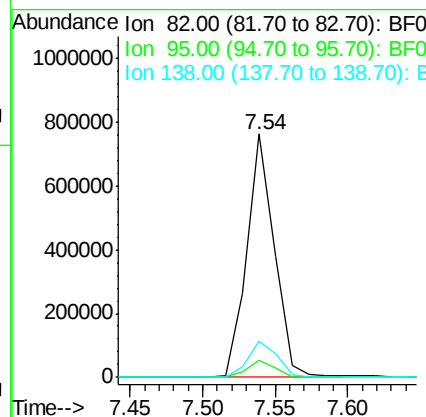
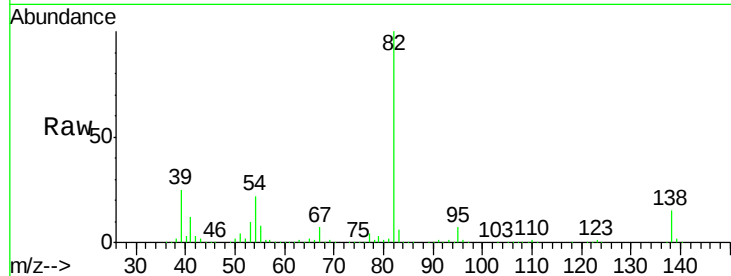
ClientSampleId :

PB90333BS

Tgt Ion:	82	Resp:	999577
Ion Ratio		Lower	Upper
82	100		
95	7.1	5.1	7.7
138	15.1	12.4	18.6

Manual Integrations
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#26

2-Nitrophenol

Concen: 41.78 ng

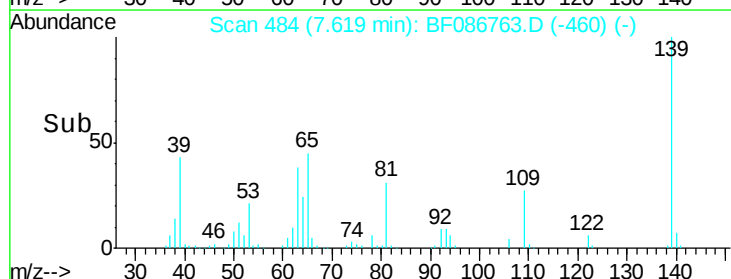
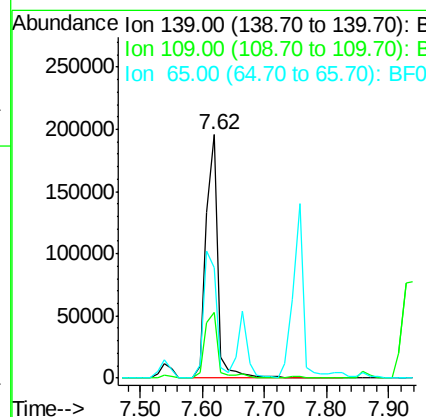
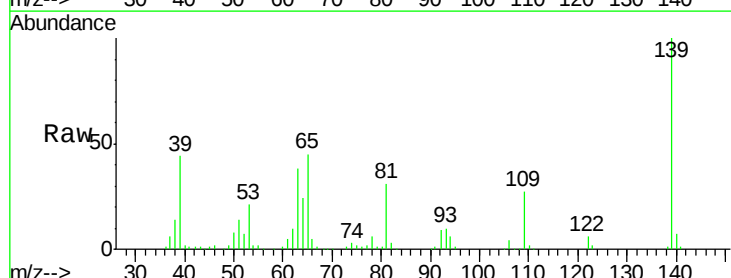
RT: 7.62 min Scan# 484

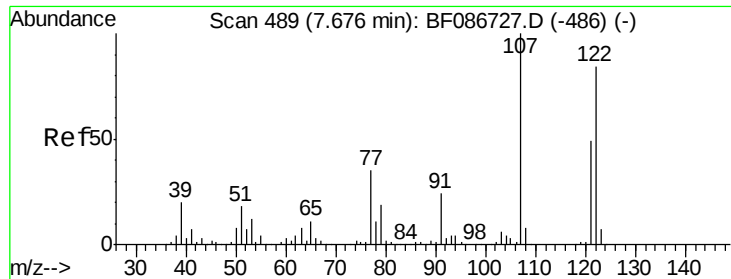
Delta R.T. -0.02 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Tgt Ion:	139	Resp:	260196
Ion Ratio		Lower	Upper
139	100		
109	27.1	19.5	29.3
65	45.3	37.5	56.3





#27

2,4-Dimethylphenol

Concen: 39.13 ng

RT: 7.66 min Scan# 488

Delta R.T. -0.02 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

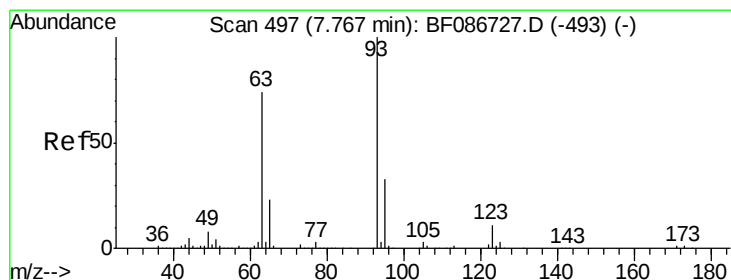
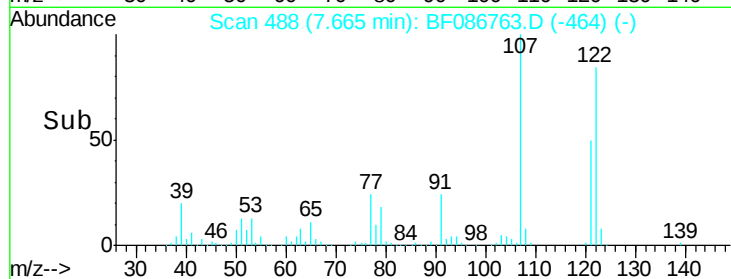
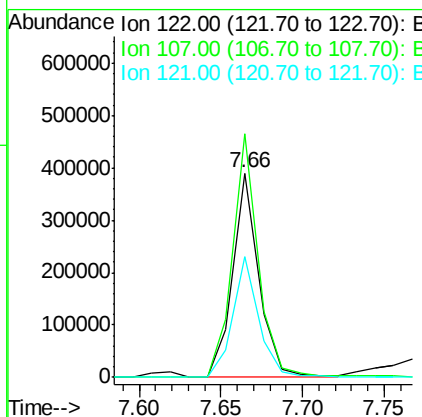
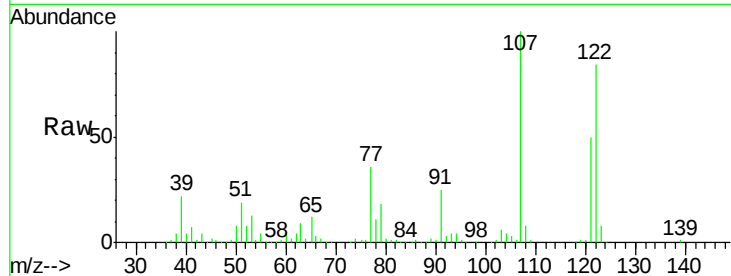
ClientSampleId :

PB90333BS

Tgt Ion:	122	Resp:	428023
Ion Ratio	Lower	Upper	
122	100		
107	119.2	82.0	123.0
121	59.4	46.1	69.1

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#28

bis(2-Chloroethoxy)methane

Concen: 45.12 ng

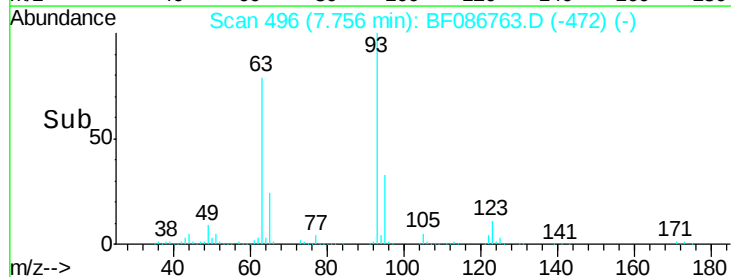
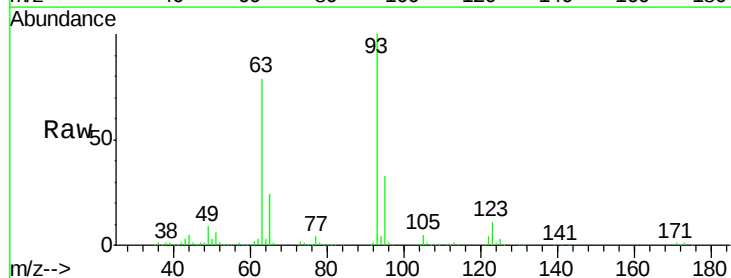
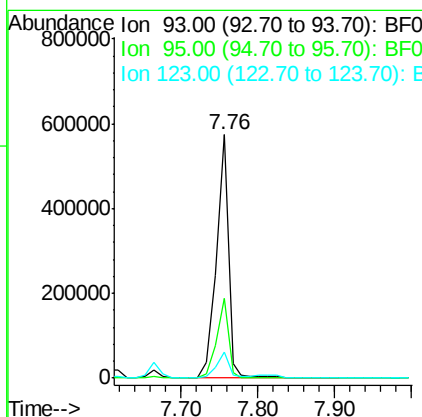
RT: 7.76 min Scan# 496

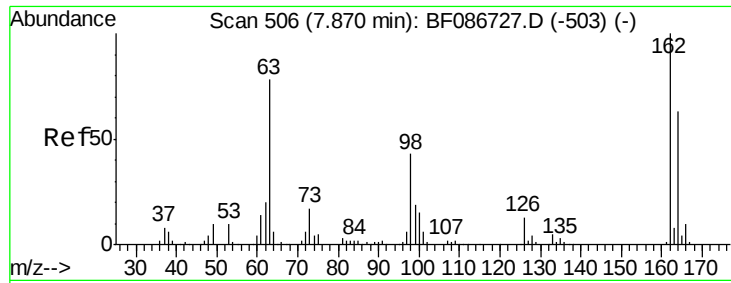
Delta R.T. -0.02 min

Lab File: BF086763.D

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Tgt Ion:	93	Resp:	624494
Ion Ratio	Lower	Upper	
93	100		
95	33.0	26.0	39.0
123	10.7	9.5	14.3





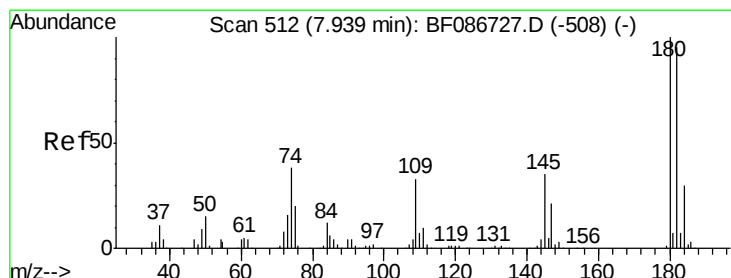
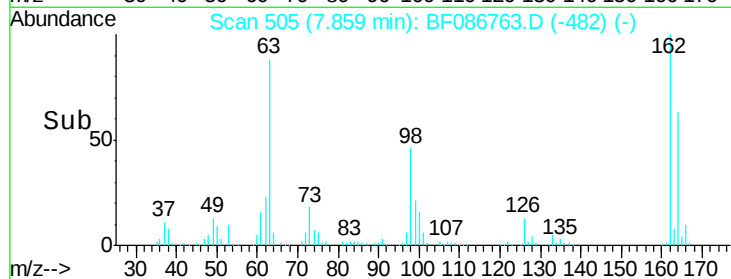
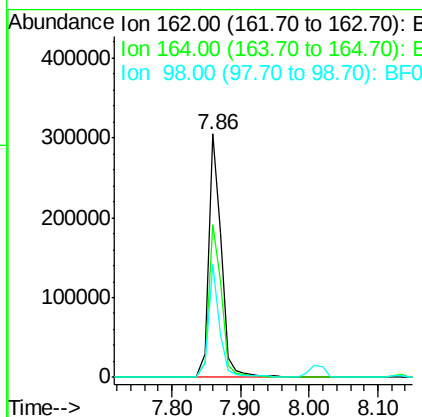
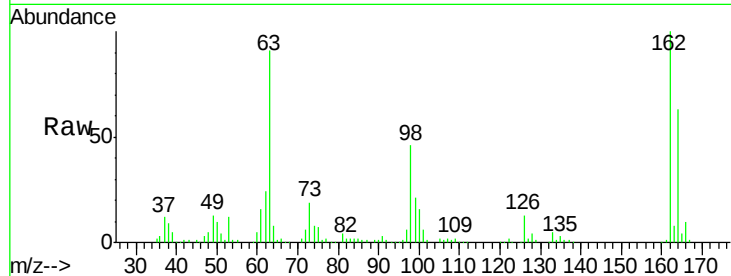
#29
 2,4-Dichlorophenol
 Concen: 41.64 ng
 RT: 7.86 min Scan# 505
 Delta R.T. -0.03 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	62.6	42.2	82.2
98	46.4	19.0	59.0

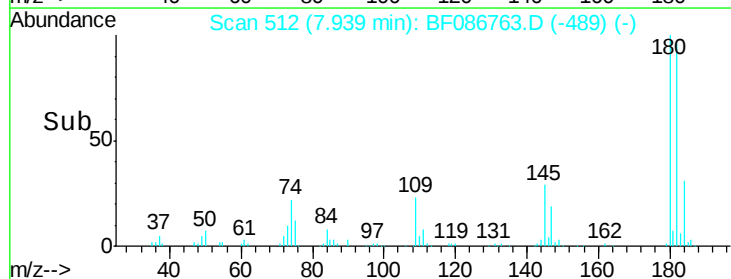
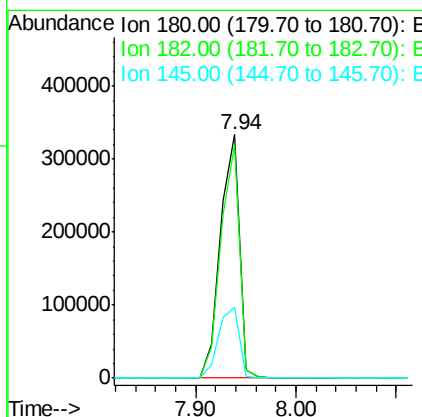
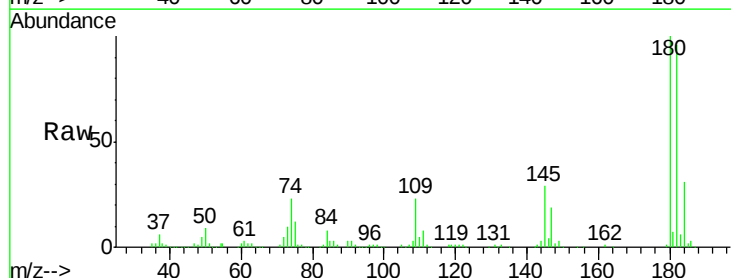
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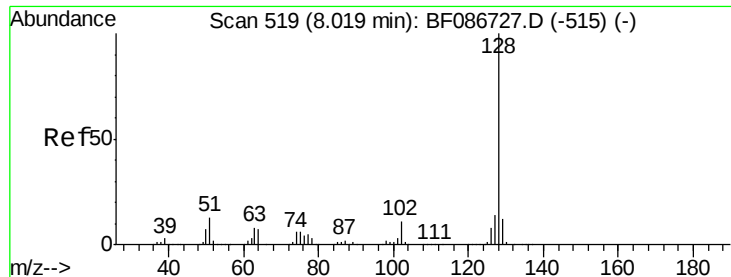
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#30
 1,2,4-Trichlorobenzene
 Concen: 41.77 ng
 RT: 7.94 min Scan# 512
 Delta R.T. -0.03 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.8	78.0	117.0
145	29.1	24.2	36.2





#31

Naphthalene

Concen: 39.24 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.02 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

ClientSampleId :

PB90333BS

Tgt Ion:128 Resp: 1390880

Ion Ratio Lower Upper

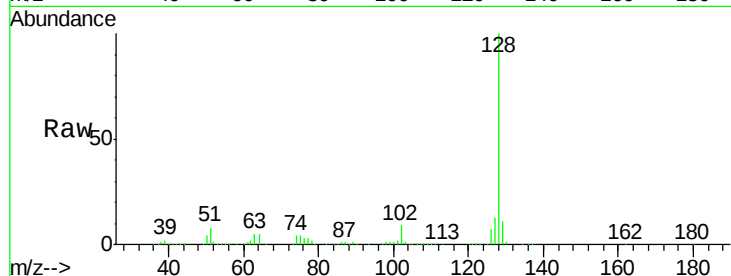
128 100

129 11.0 8.6 13.0

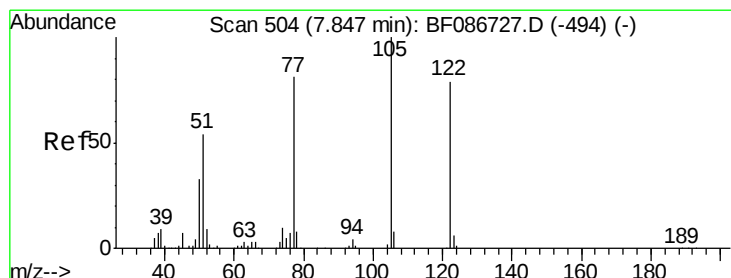
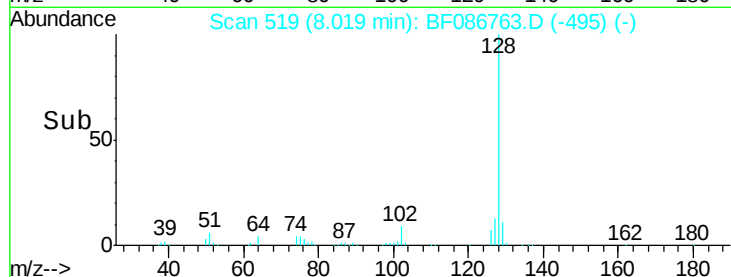
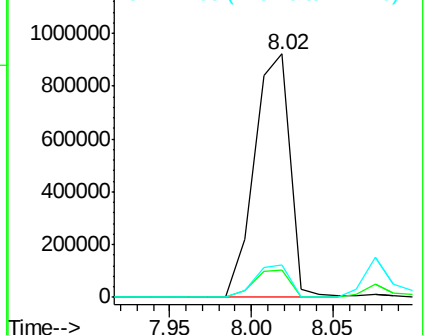
127 13.4 10.8 16.2

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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: 65.38 ng

RT: 7.82 min Scan# 502

Delta R.T. 0.02 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

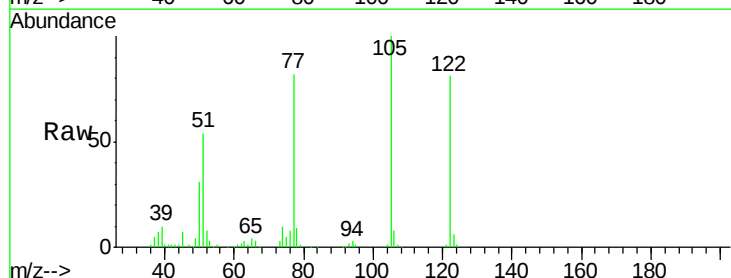
Tgt Ion:122 Resp: 294705

Ion Ratio Lower Upper

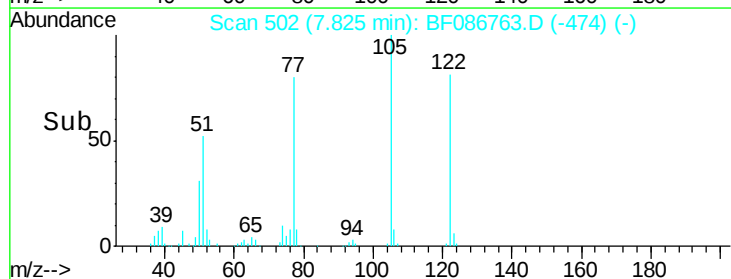
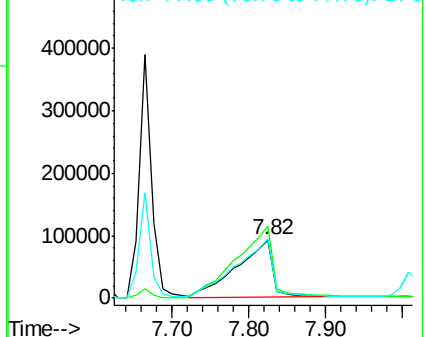
122 100

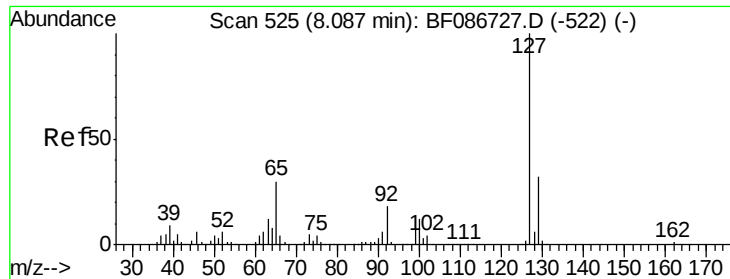
105 123.3 92.6 132.6

77 101.6 60.0 100.0#



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





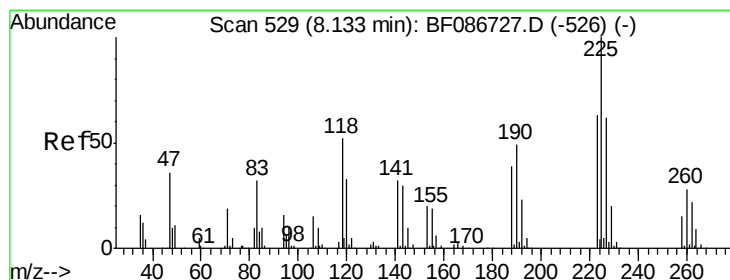
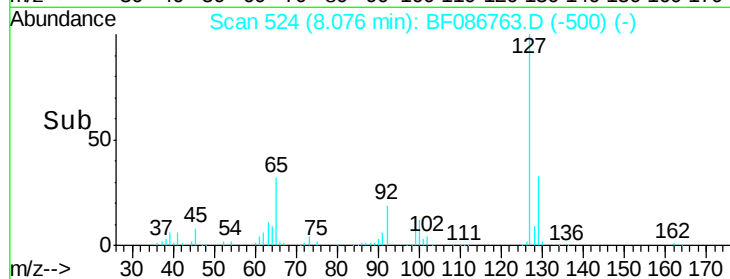
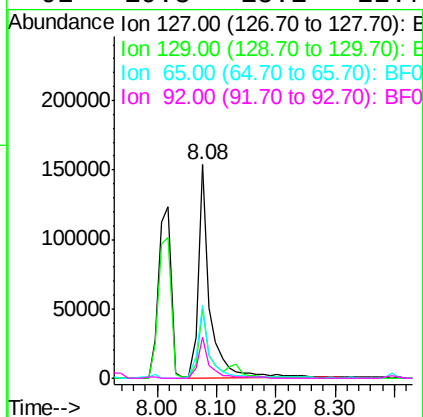
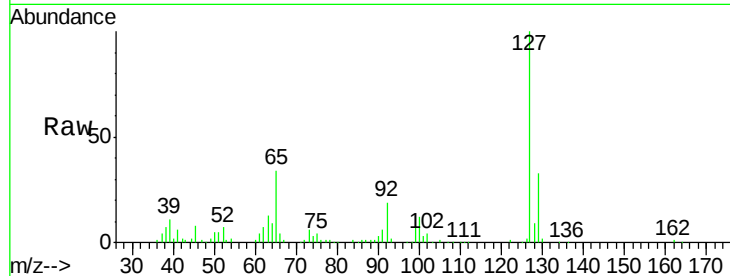
#33
4-Chloroaniline
Concen: 15.32 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.02 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Instrument :
BNA_F
ClientSampleId :
PB90333BS

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	210429		
129	32.6	26.2	39.4	
65	34.2	23.0	34.4	
92	19.3	15.1	22.7	

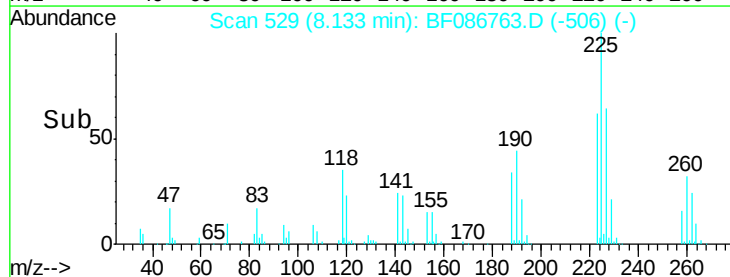
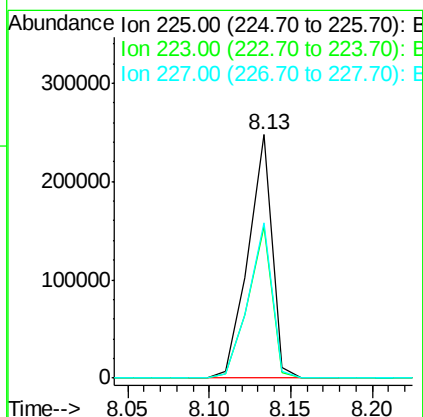
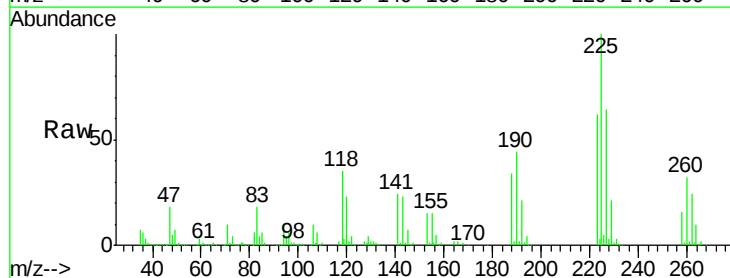
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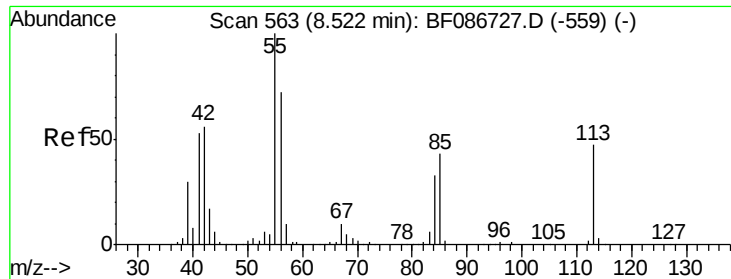
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#34
Hexachlorobutadiene
Concen: 42.24 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.03 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	251590		
223	62.0	51.5	77.3	
227	64.0	52.2	78.2	





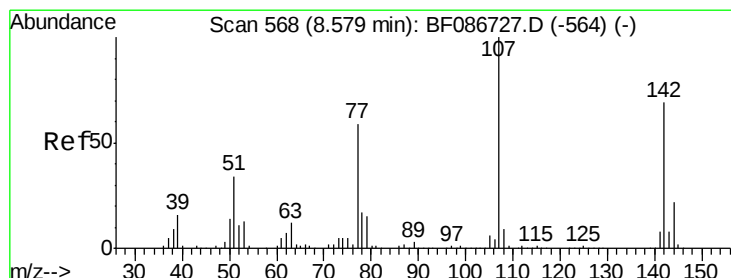
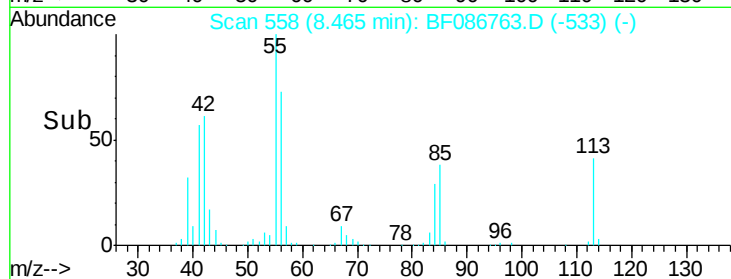
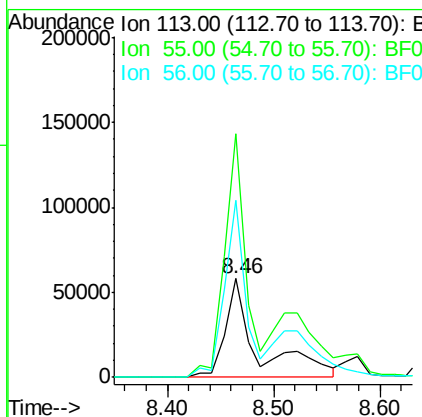
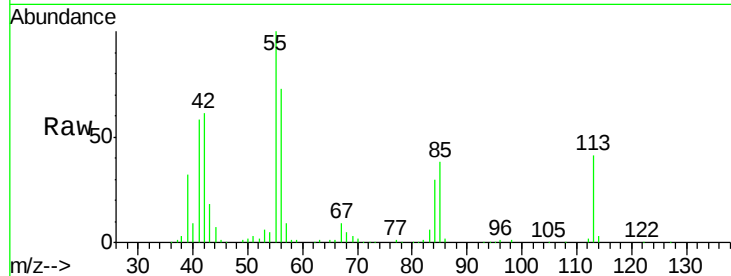
#35
 Caprolactam
 Concen: 42.29 ng m
 RT: 8.46 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	123082		
55	246.3	162.0	202.0#	
56	178.8	115.3	155.3#	

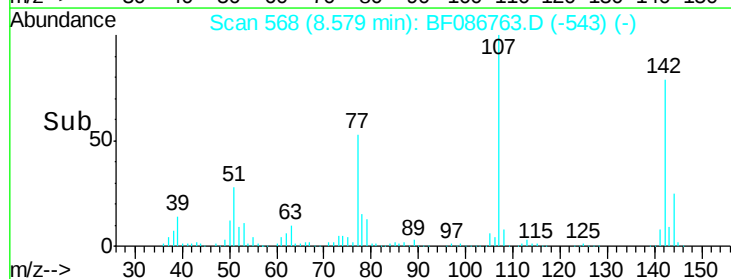
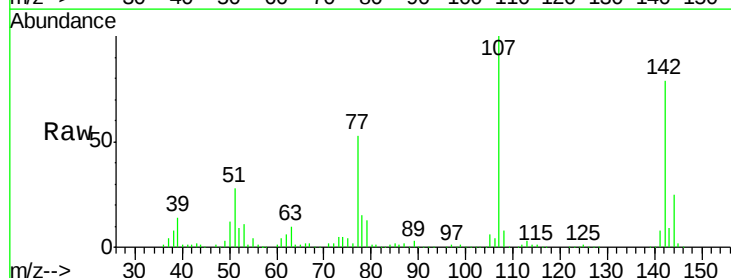
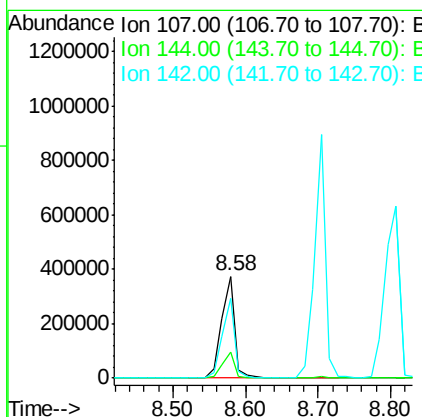
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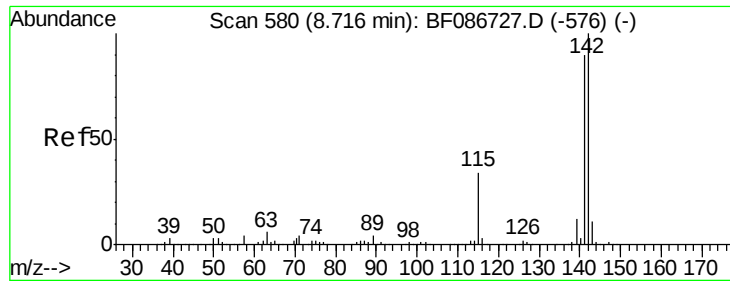
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#36
 4-Chloro-3-methylphenol
 Concen: 44.05 ng
 RT: 8.58 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

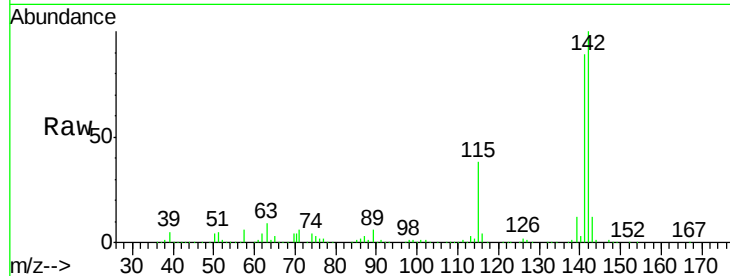
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	472585		
144	24.9	20.7	31.1	
142	78.6	63.2	94.8	





#37
2-Methylnaphthalene
Concen: 44.43 ng
RT: 8.70 min Scan# 579
Delta R.T. -0.03 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

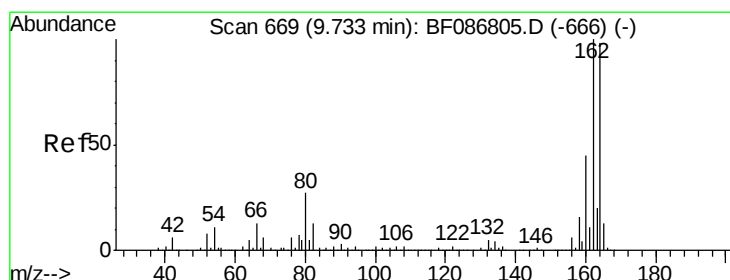
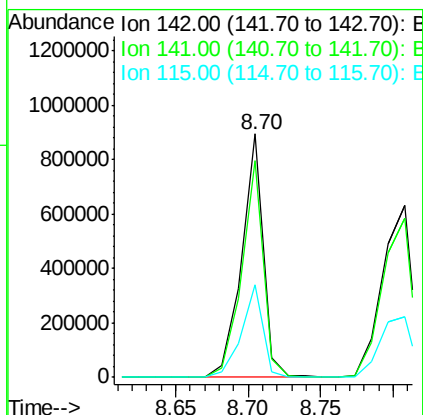
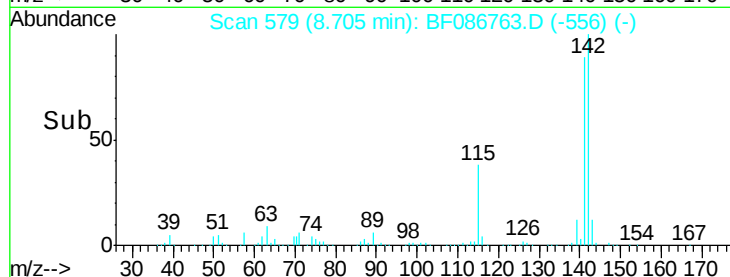
Instrument :
BNA_F
ClientSampleId :
PB90333BS



Tgt Ion	Ratio	Resp	Lower	Upper
142	100	929165		
141	89.2	71.0	106.6	
115	38.0	26.6	39.8	

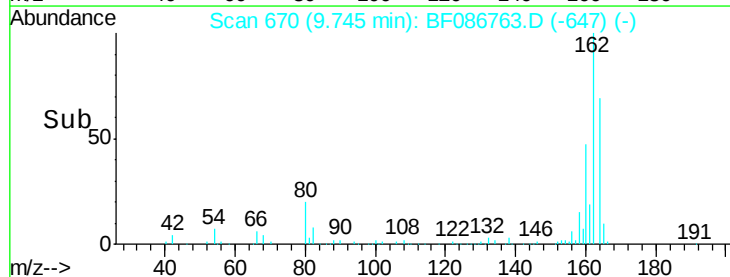
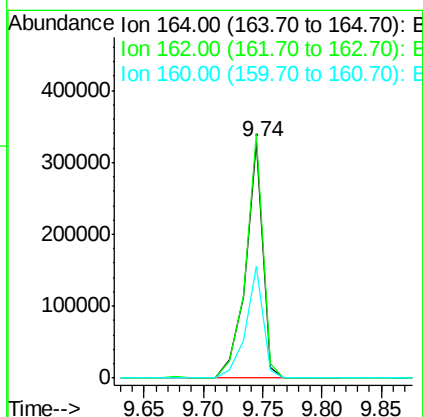
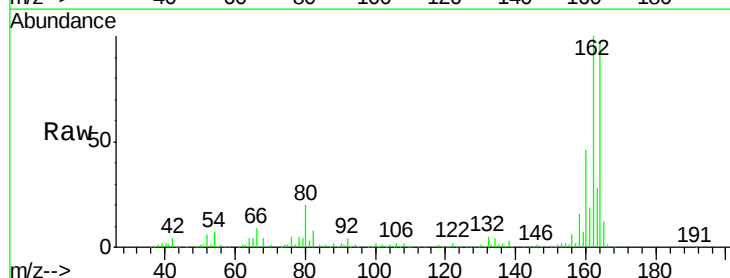
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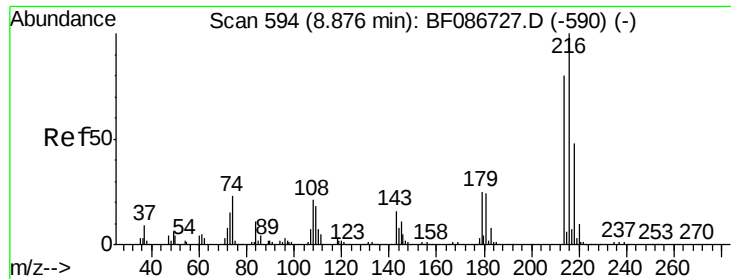
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#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.03 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	332359		
162	103.0	82.8	124.2	
160	47.3	36.9	55.3	





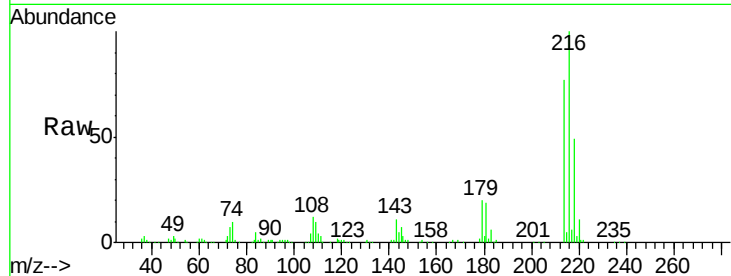
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 39.88 ng
 RT: 8.88 min Scan# 594
 Delta R.T. -0.03 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BS

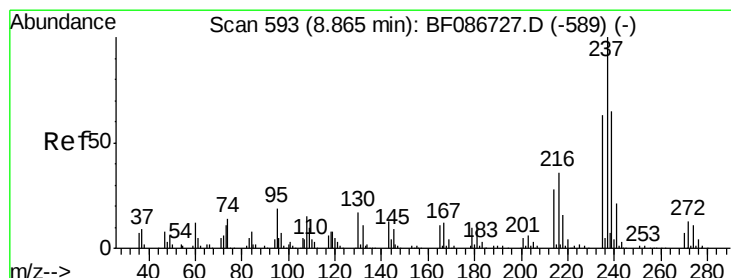
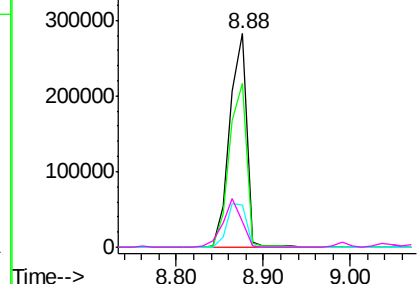
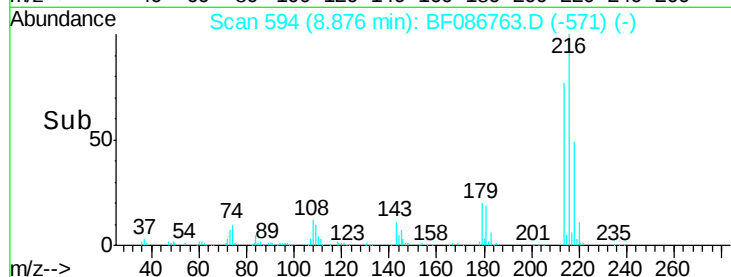
Tgt Ion	Ratio	Resp	Lower	Upper
216	100	383679		
214	78.7	62.6	93.8	
179	23.1	18.2	27.4	
108	25.6	17.5	26.3	

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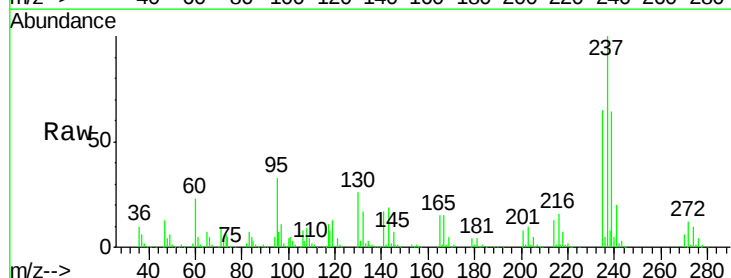


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

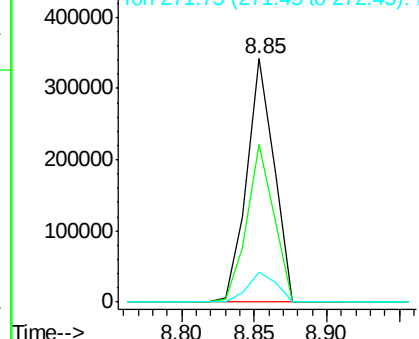
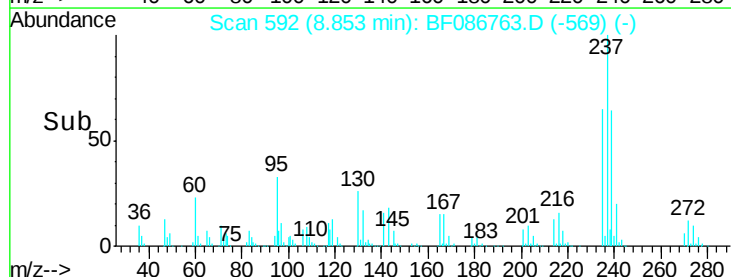


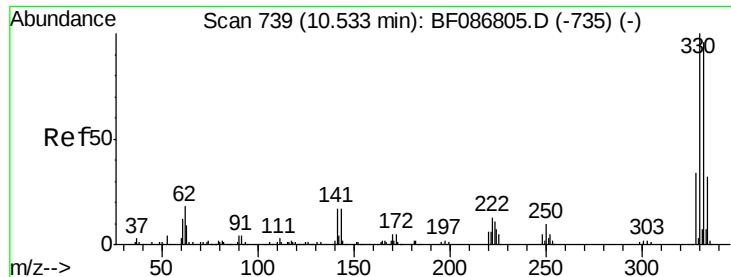
#40
 Hexachlorocyclopentadiene
 Concen: 98.68 ng
 RT: 8.85 min Scan# 592
 Delta R.T. -0.03 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	444416		
235	65.0	47.2	87.2	
272	12.1	0.0	31.1	



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





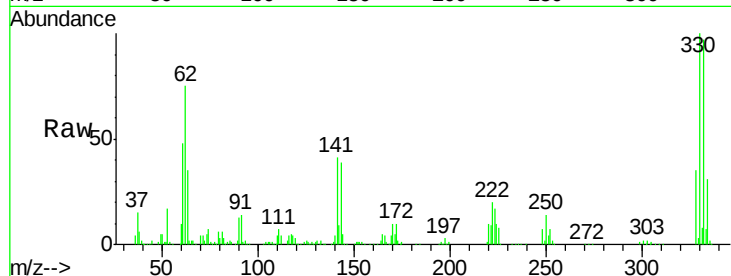
#41
 2,4,6-Tribromophenol
 Concen: 117.64 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Instrument :
 BNA_F
 ClientSampled :
 PB90333BS

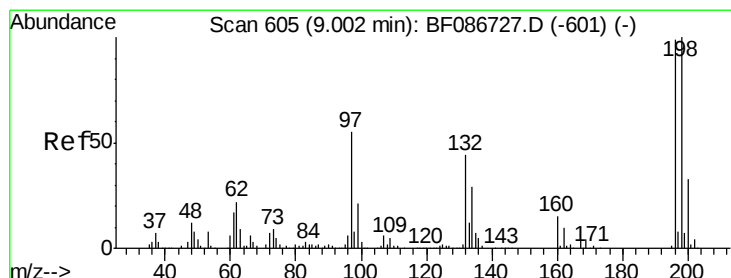
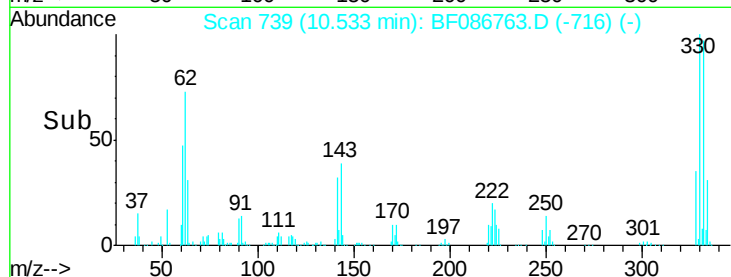
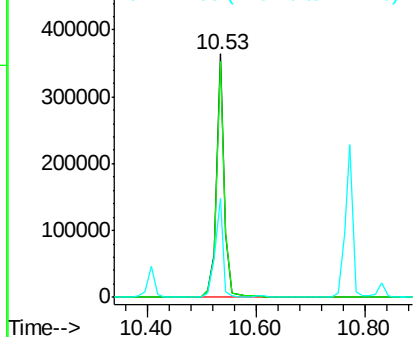
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	382469		
332	96.9	79.0	118.4	
141	40.5	31.2	46.8	

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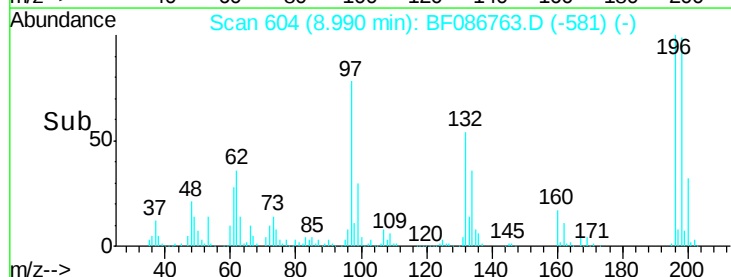
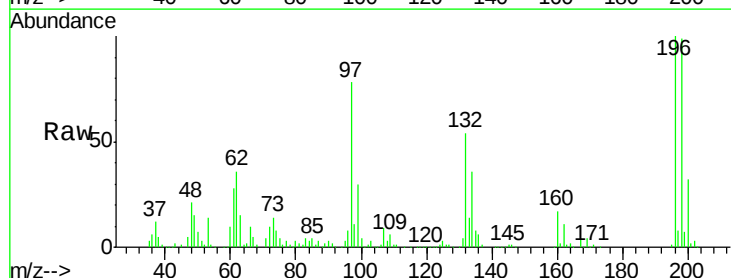
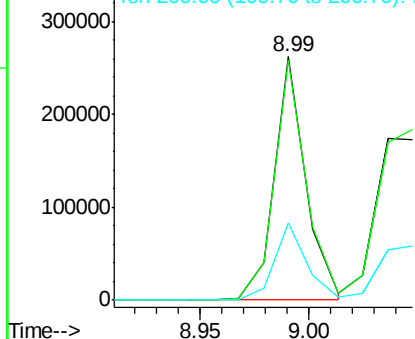
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

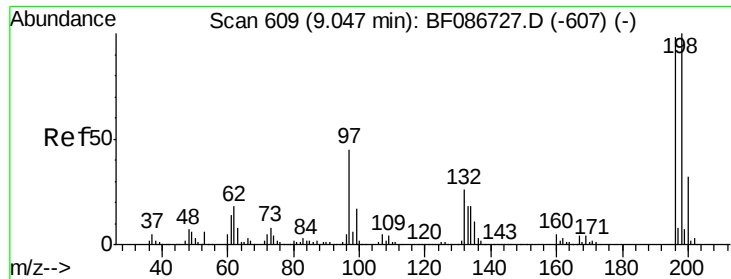


#42
 2,4,6-Trichlorophenol
 Concen: 43.50 ng
 RT: 8.99 min Scan# 604
 Delta R.T. -0.03 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	266109		
198	98.5	74.7	112.1	
200	31.5	23.8	35.6	

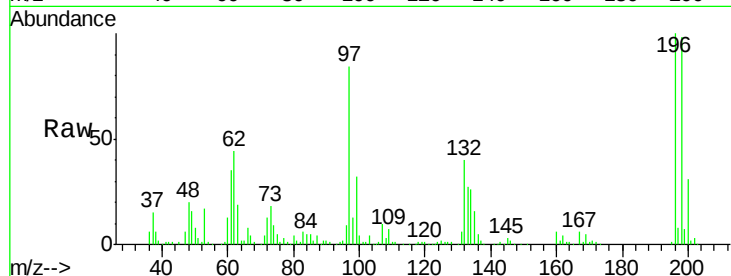
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





#43
 2,4,5-Trichlorophenol
 Concen: 42.40 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

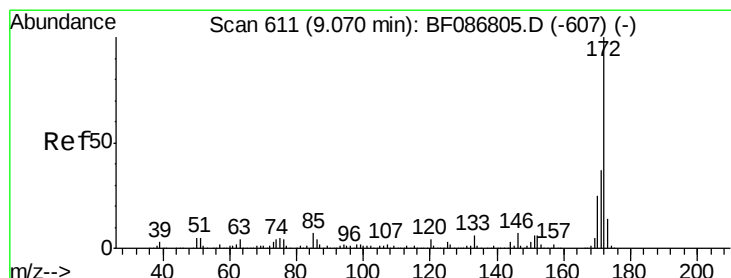
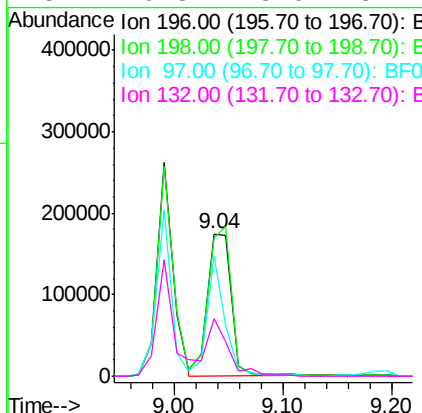
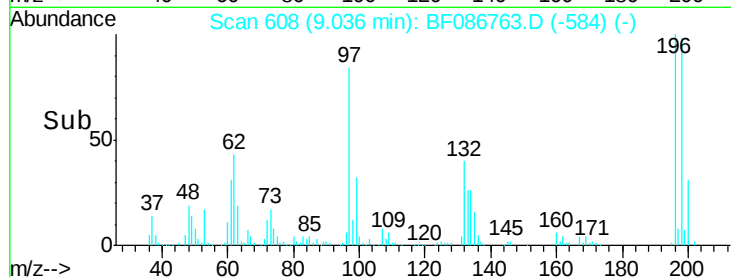
Instrument :
 BNA_F
 ClientSampleId :
 PB90333BS



Tgt Ion	Ratio	Resp	Lower	Upper
196	100	271009		
198	97.5	77.5	116.3	
97	84.3	34.8	52.2	#
132	40.3	23.0	34.4	#

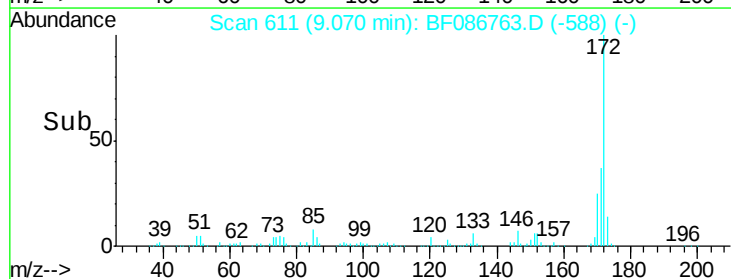
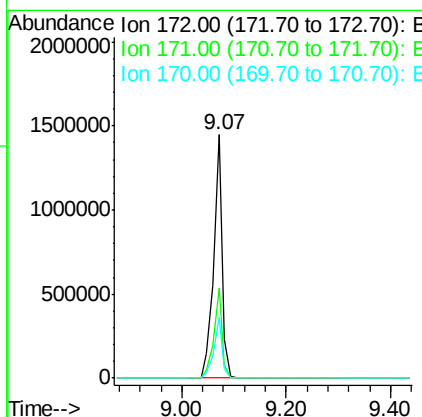
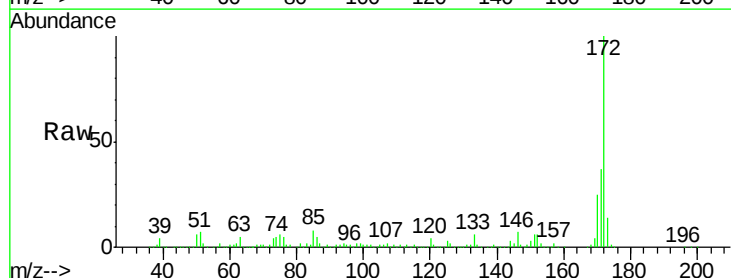
Manual Integrations
 APPROVED

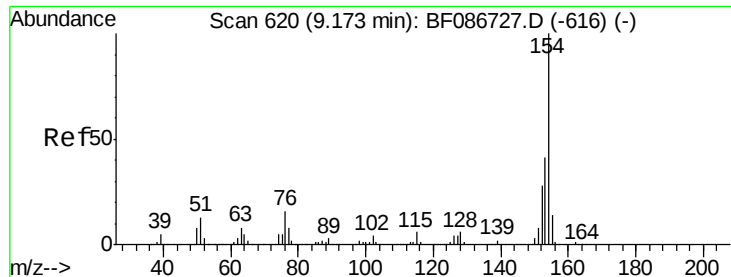
Sohil
 5/9/2016 7:17:35 PM



#44
 2-Fluorobiphenyl
 Concen: 81.14 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1645222		
171	36.7	29.0	43.6	
170	24.9	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 43.31 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

ClientSampleId :

PB90333BS

Tgt Ion:154 Resp: 1176785

Ion Ratio Lower Upper

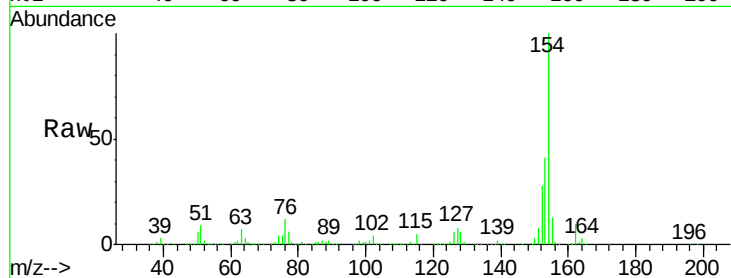
154 100

153 41.0 20.3 60.3

76 12.0 0.0 30.2

Manual Integrations
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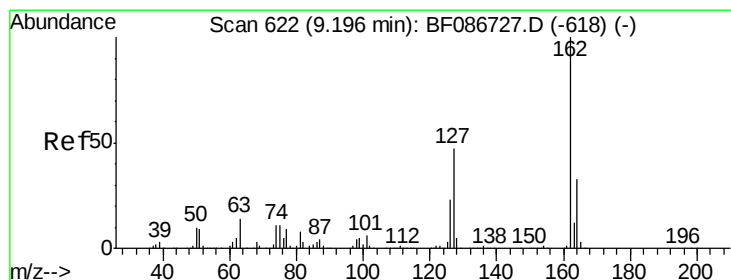
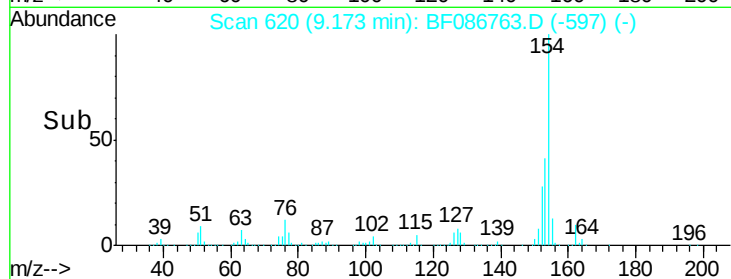
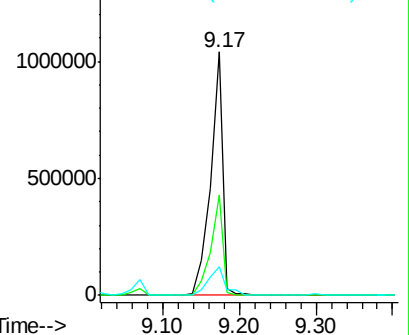
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 41.41 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

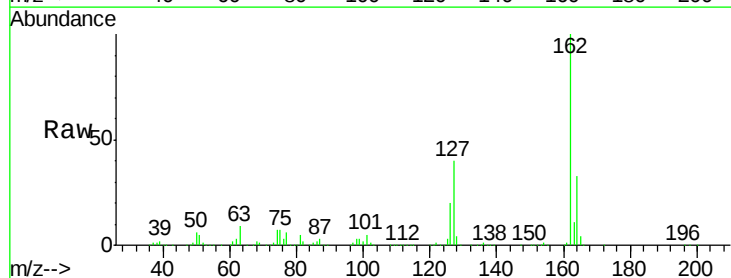
Tgt Ion:162 Resp: 868339

Ion Ratio Lower Upper

162 100

127 40.0 31.8 47.6

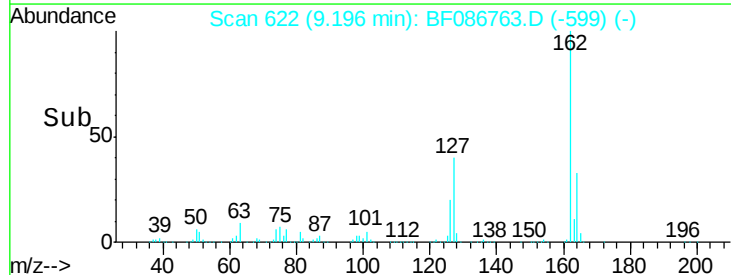
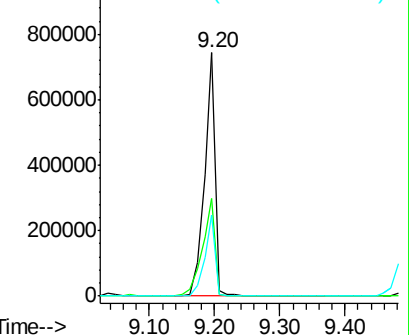
164 33.2 27.0 40.6

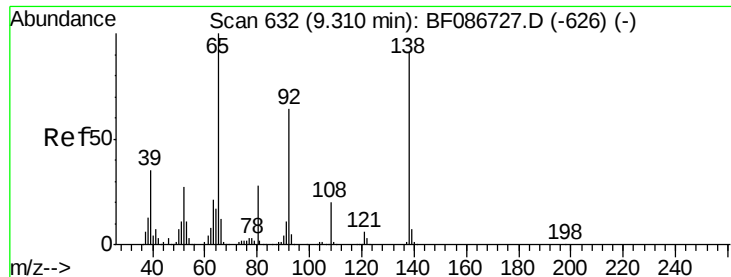


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





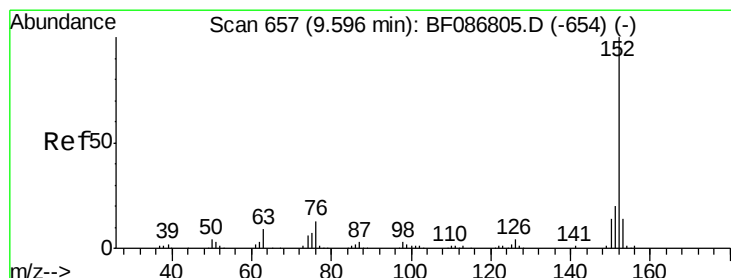
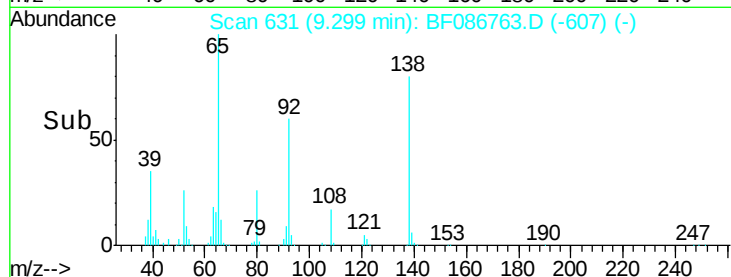
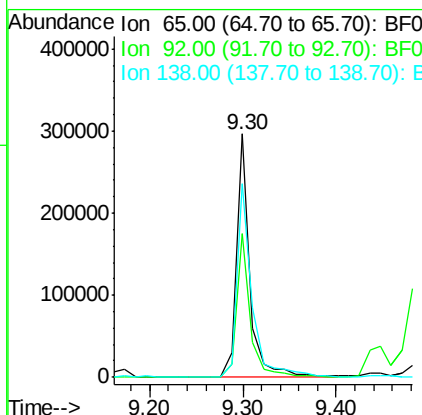
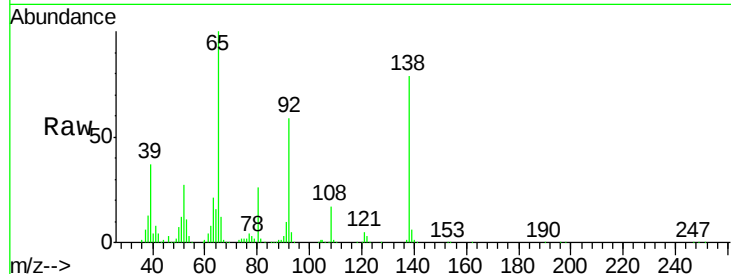
#47
2-Nitroaniline
Concen: 40.12 ng
RT: 9.30 min Scan# 631
Delta R.T. -0.02 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Instrument :
BNA_F
ClientSampleId :
PB90333BS

Tgt Ion	Ratio	Lower	Upper
65	100		
92	59.3	57.4	86.2
138	79.4	90.1	135.1#

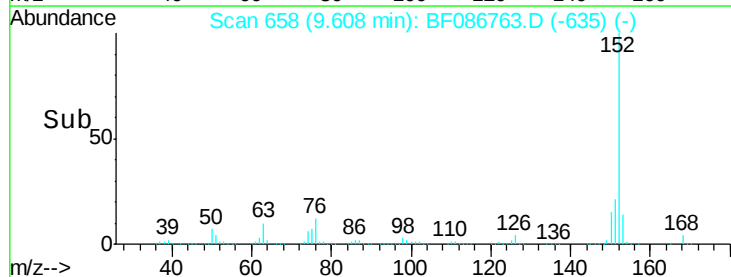
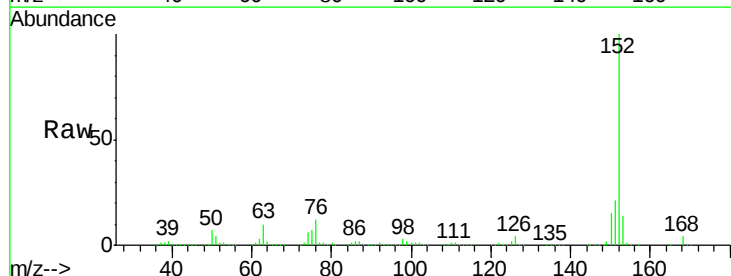
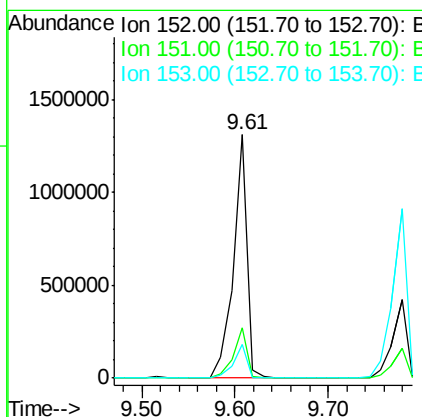
Manual Integrations
APPROVED

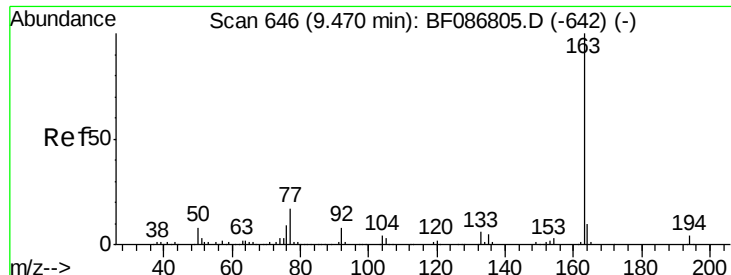
Sohil
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#48
Acenaphthylene
Concen: 43.26 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.03 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.8	25.2
153	14.1	10.9	16.3





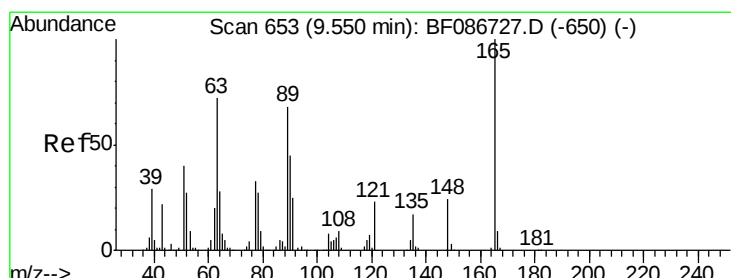
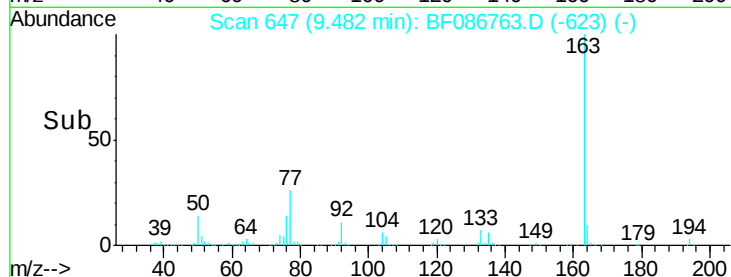
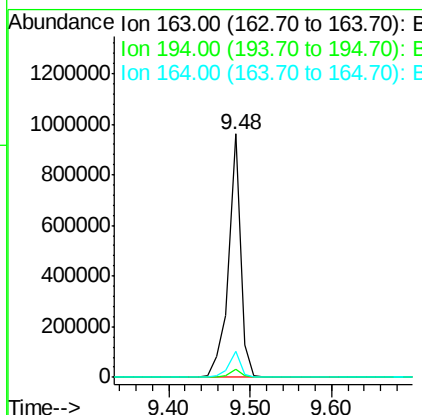
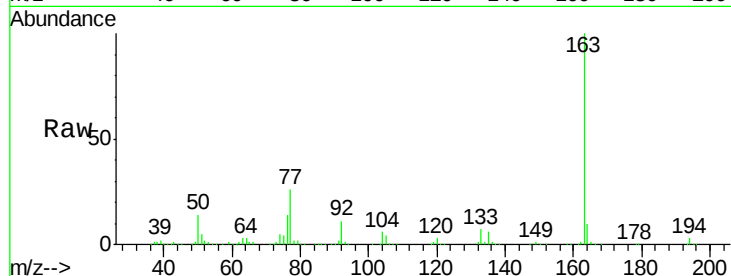
#49
Dimethylphthalate
Concen: 39.78 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Instrument :
BNA_F
ClientSampleId :
PB90333BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.1	2.6	4.0
164	10.4	8.2	12.4

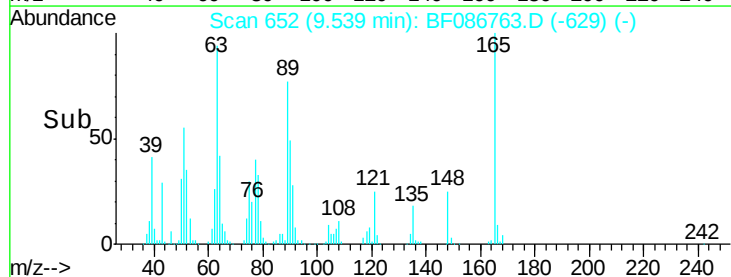
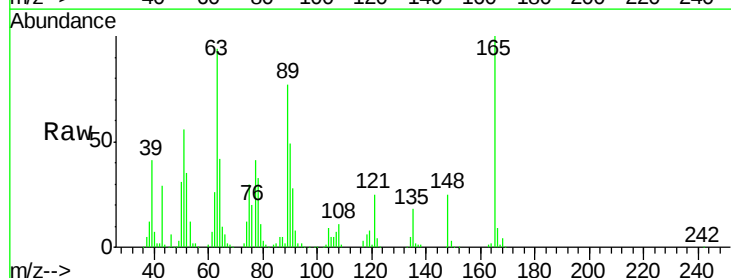
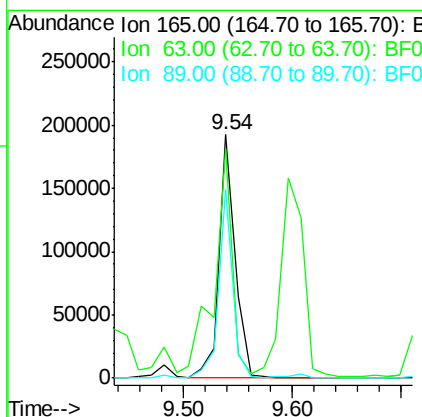
Manual Integrations
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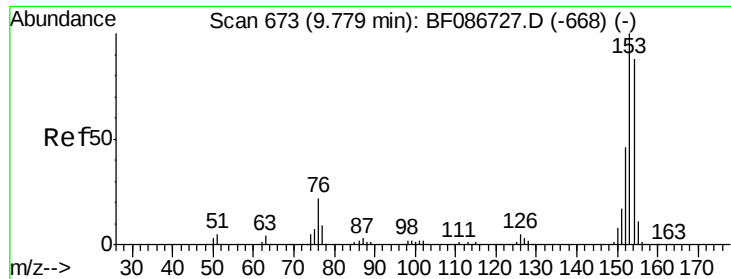
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#50
2,6-Dinitrotoluene
Concen: 37.78 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	94.4	51.8	77.8#
89	77.4	50.7	76.1#





#51

Acenaphthene

Concen: 41.15 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.03 min

Lab File: BF086763.D

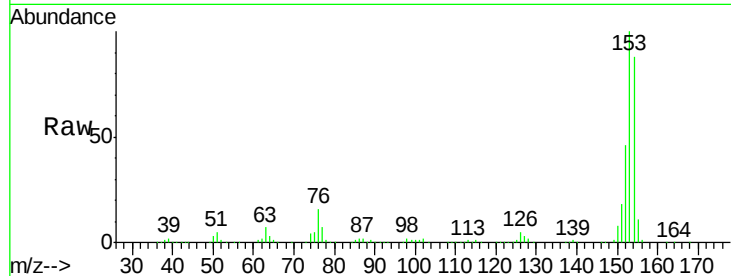
Acq: 7 May 2016 9:58

Instrument :

BNA_F

ClientSampleId :

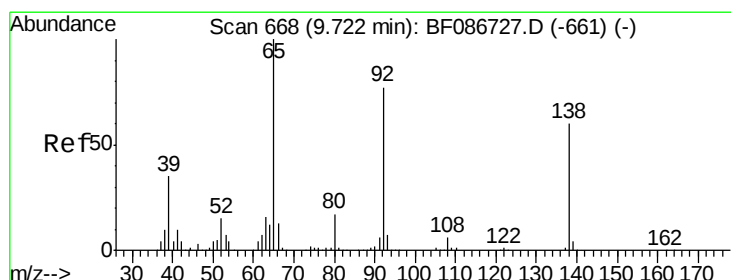
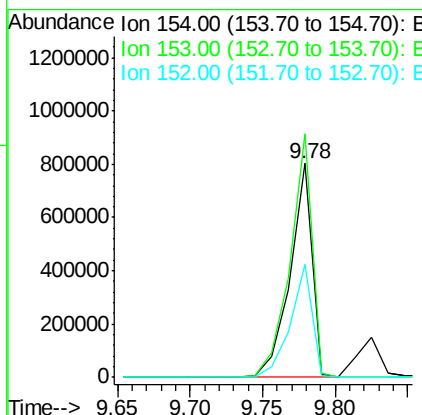
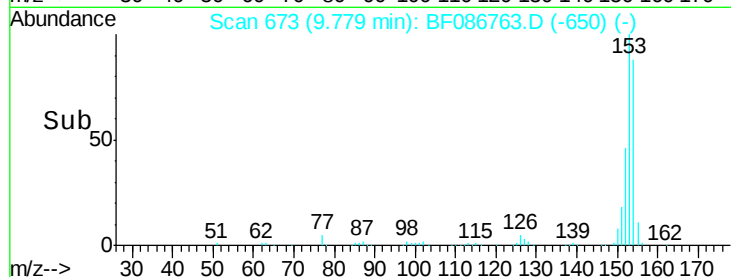
PB90333BS



Tgt Ion:	154	Resp:	844869
Ion Ratio	Lower	Upper	
154	100		
153	113.9	89.8	134.6
152	52.8	43.4	65.0

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#52

3-Nitroaniline

Concen: 24.48 ng

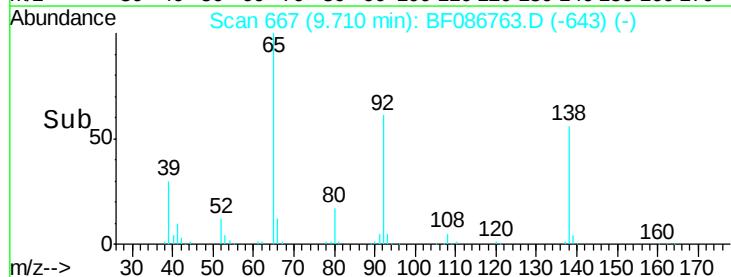
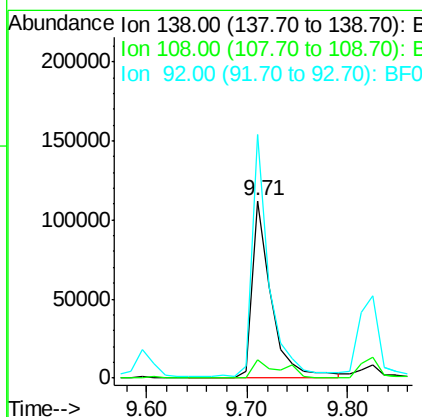
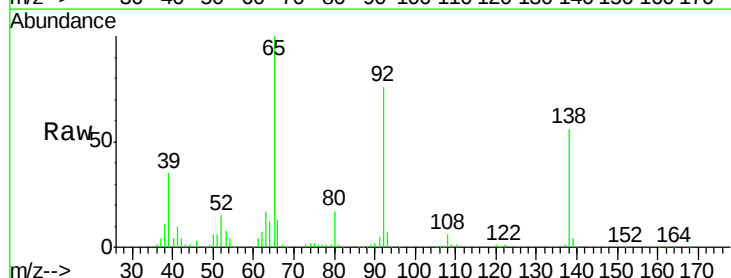
RT: 9.71 min Scan# 667

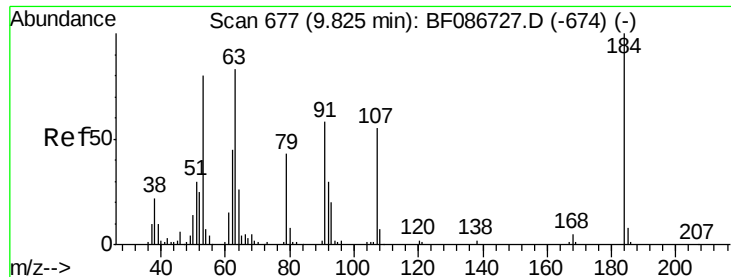
Delta R.T. -0.02 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

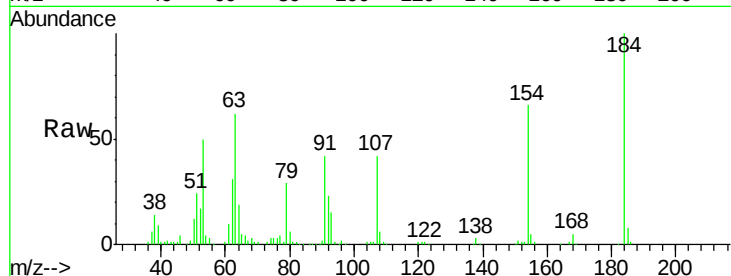
Tgt Ion:	138	Resp:	147977
Ion Ratio	Lower	Upper	
138	100		
108	10.6	7.8	11.6
92	137.3	87.8	131.8#





#53
2,4-Dinitrophenol
Concen: 102.63 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.02 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

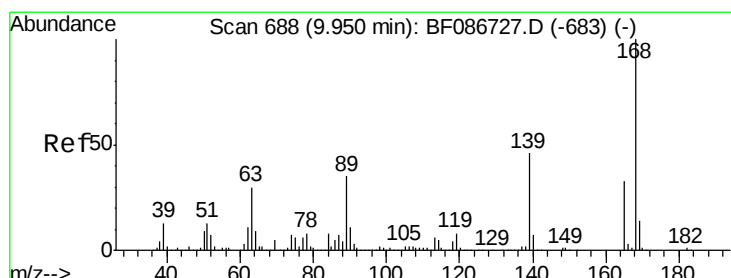
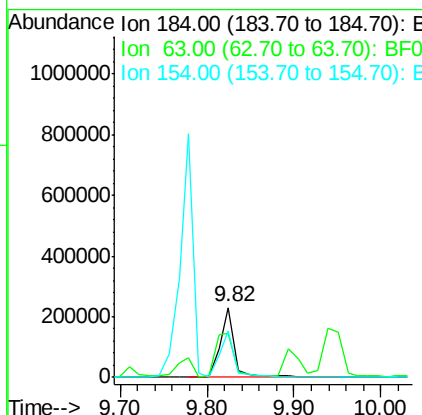
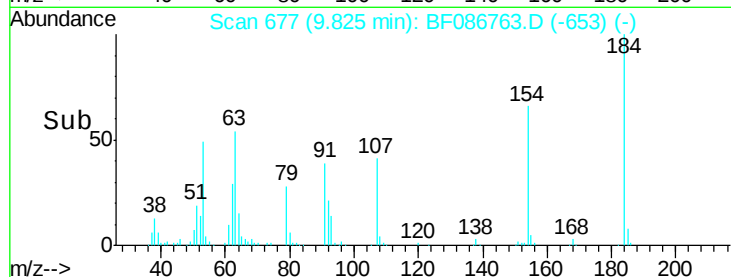
Instrument :
BNA_F
ClientSampleId :
PB90333BS



Tgt Ion	Ratio	Resp	Lower	Upper
184	100	265078		
63	62.1	55.8	83.8	
154	65.8	62.4	93.6	

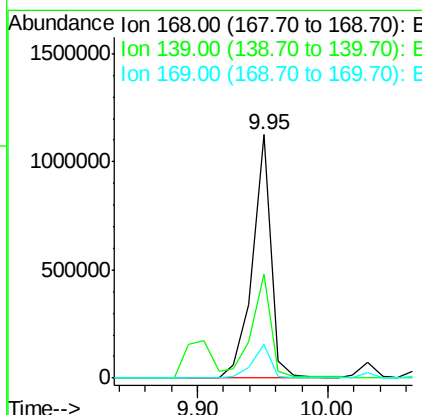
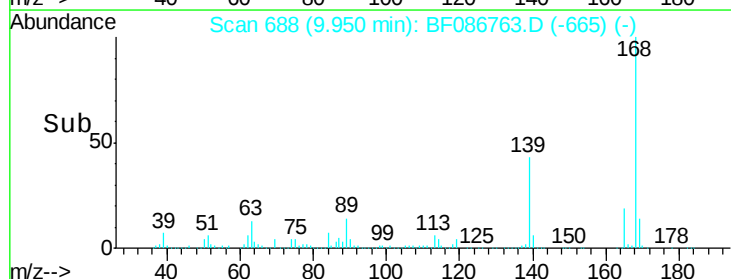
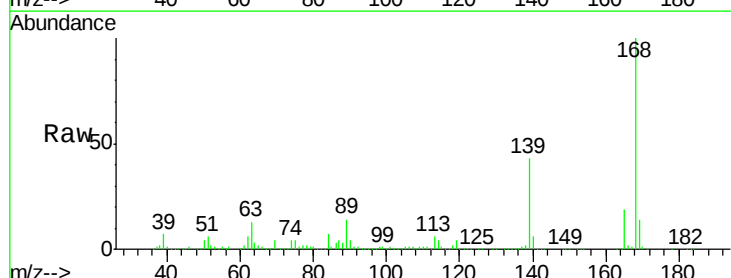
Manual Integrations
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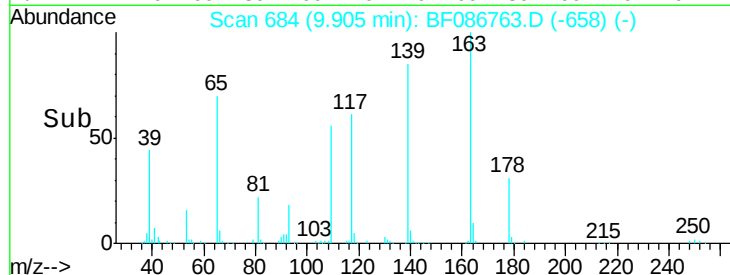
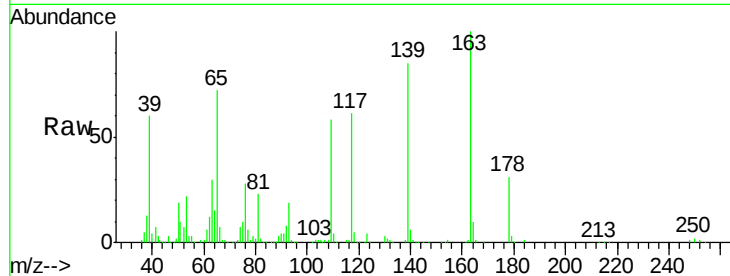
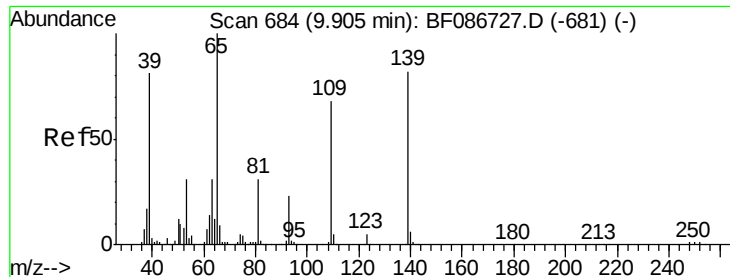
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#54
Dibenzofuran
Concen: 43.95 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.03 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1118658		
139	42.9	31.4	47.0	
169	13.6	10.7	16.1	





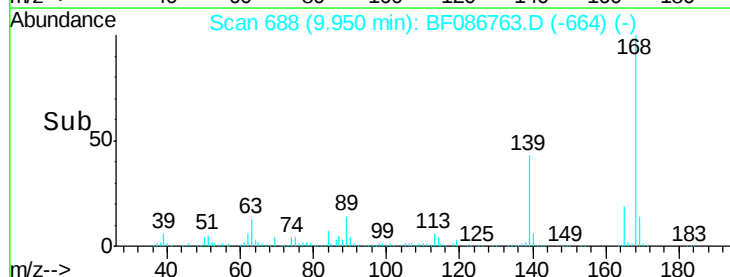
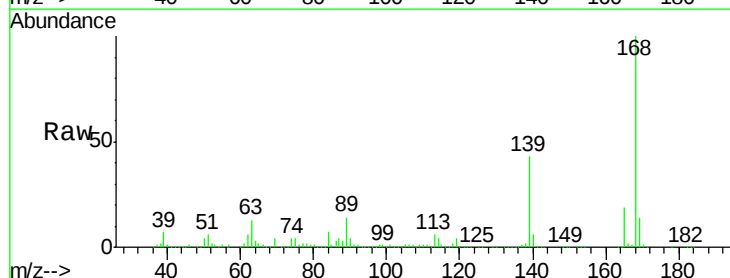
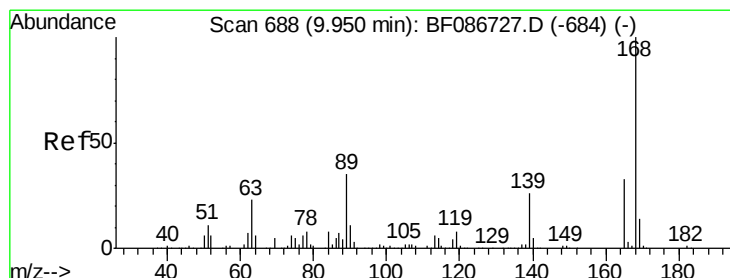
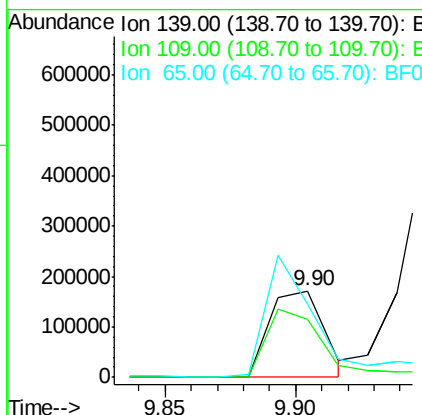
#55
4-Nitrophenol
Concen: 70.82 ng
RT: 9.90 min Scan# 684
Delta R.T. 0.00 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	249586		
109	67.9	36.9	76.9	
65	84.3	64.0	104.0	

Instrument :
BNA_F
ClientSampleId :
PB90333BS

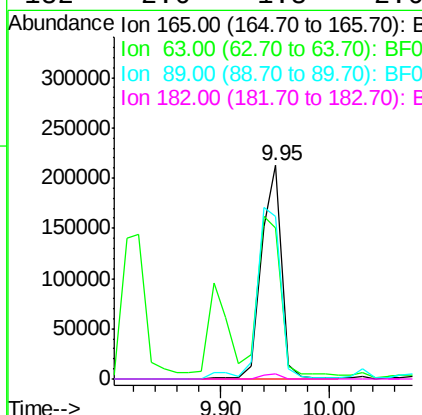
Manual Integrations
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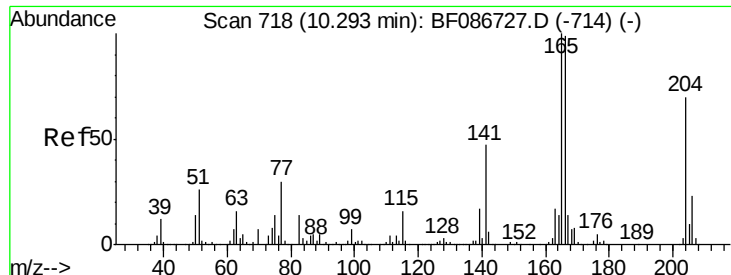
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#56
2,4-Dinitrotoluene
Concen: 41.75 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	275082		
63	70.4	44.3	66.5#	
89	76.0	70.0	105.0	
182	2.6	1.8	2.6	





#57

Fluorene

Concen: 45.58 ng

RT: 10.29 min Scan# 718

Delta R.T. -0.03 min

Lab File: BF086763.D

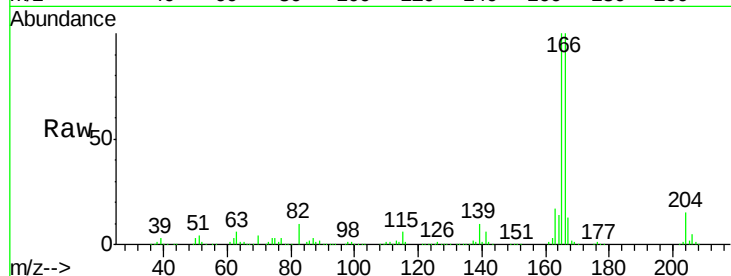
Acq: 7 May 2016 9:58

Instrument :

BNA_F

ClientSampleId :

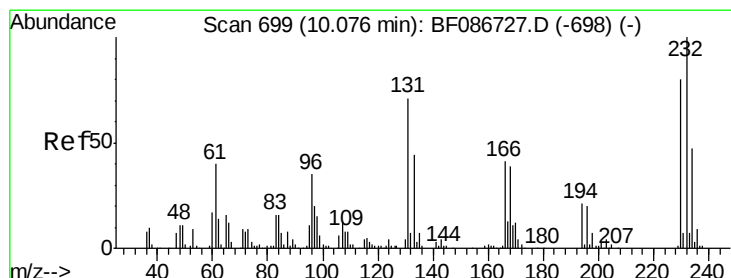
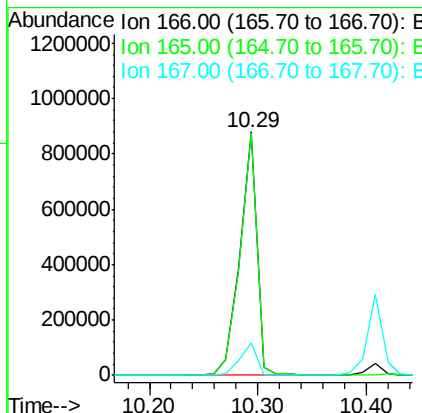
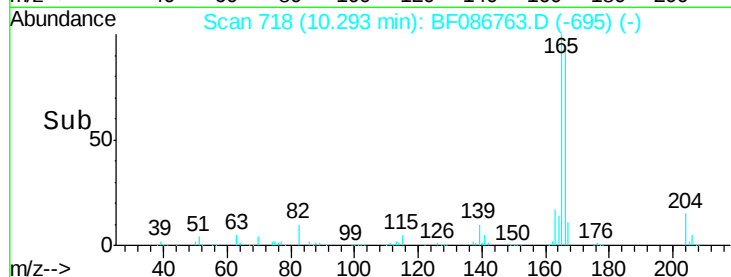
PB90333BS



Tgt Ion	Ratio	Resp	Lower	Upper
166	100	940190		
165	99.5	79.0	118.6	
167	13.4	10.6	15.8	

Manual Integrations
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#58

2,3,4,6-Tetrachlorophenol

Concen: 51.95 ng

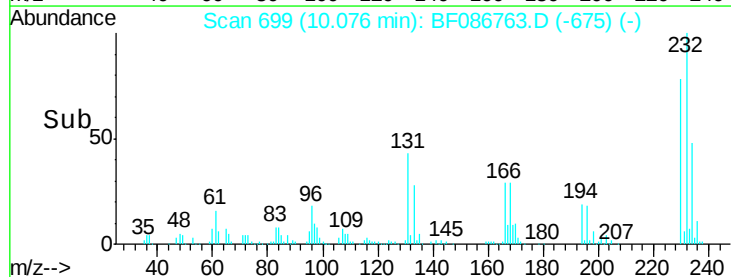
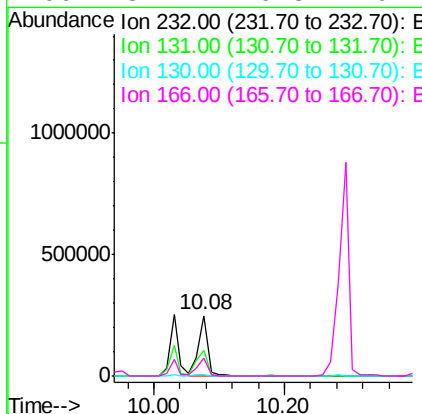
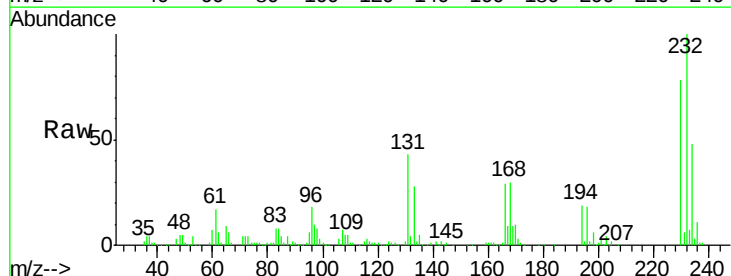
RT: 10.08 min Scan# 699

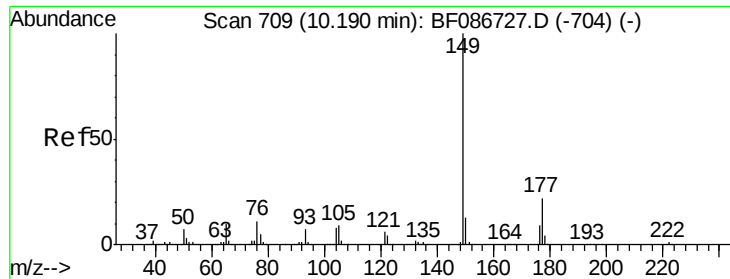
Delta R.T. -0.02 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	243829		
131	52.0	41.9	62.9	
130	2.6	2.2	3.4	
166	31.7	26.8	40.2	





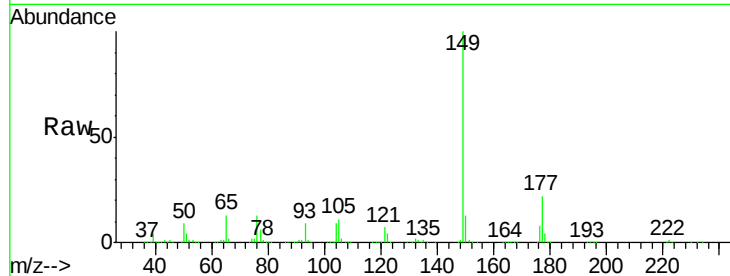
#59
Diethylphthalate
Concen: 41.28 ng
RT: 10.18 min Scan# 708
Delta R.T. -0.02 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Instrument :
BNA_F
ClientSampleId :
PB90333BS

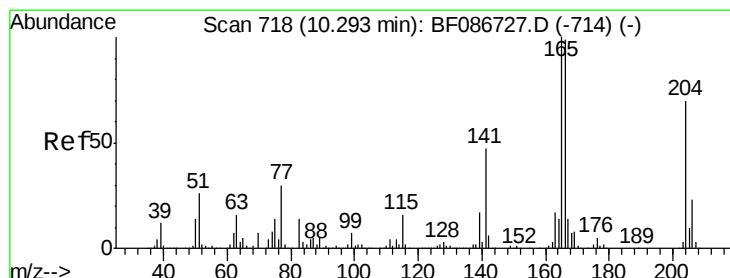
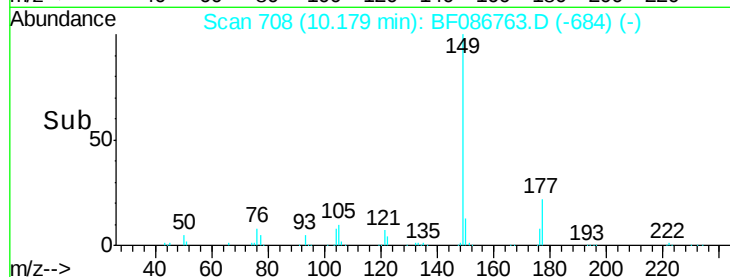
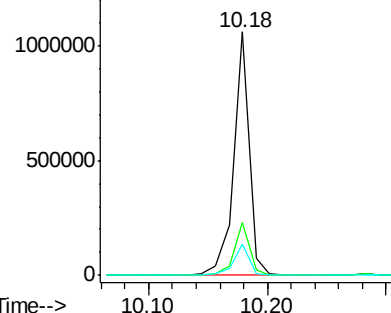
Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
177	21.7	16.6	24.8
150	12.9	10.0	15.0

Manual Integrations
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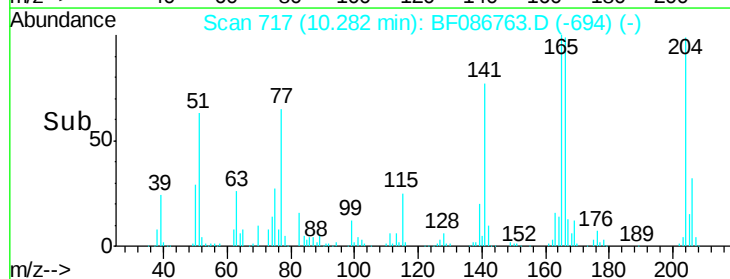
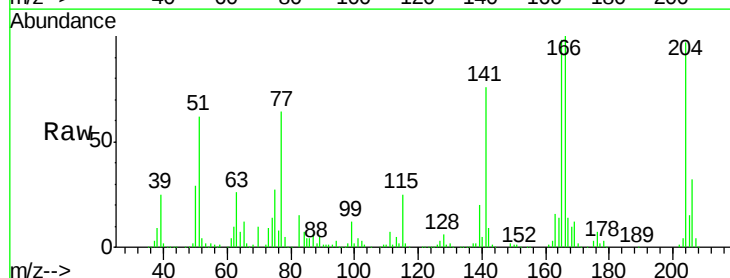
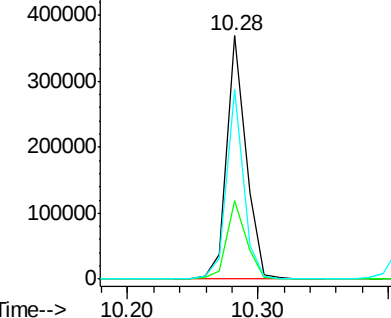
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

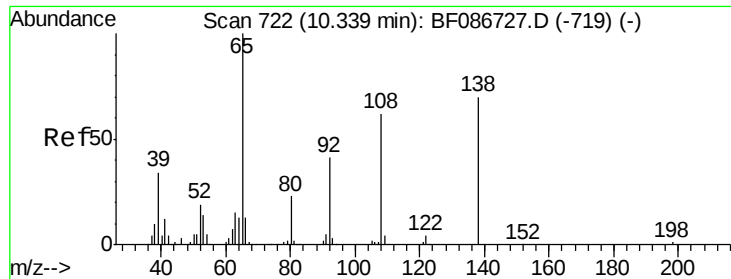


#60
4-Chlorophenyl-phenylether
Concen: 38.70 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.03 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
204	100		
206	32.5	25.4	38.0
141	77.9	61.6	92.4

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





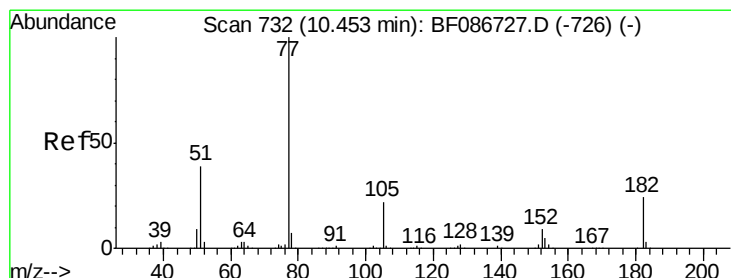
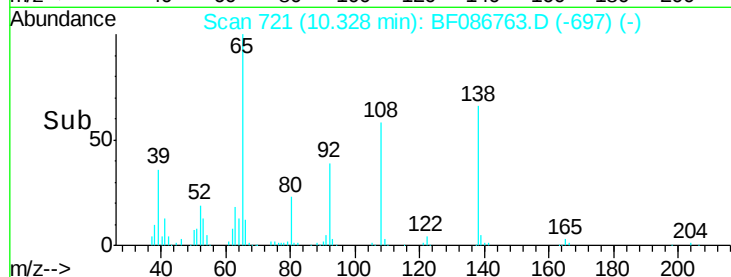
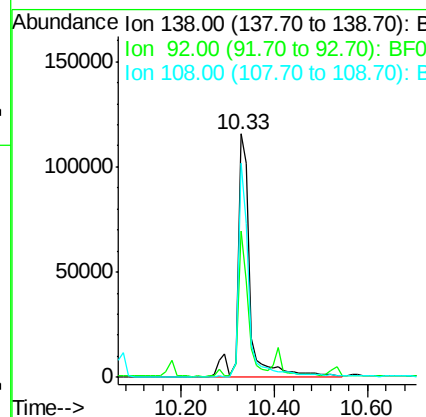
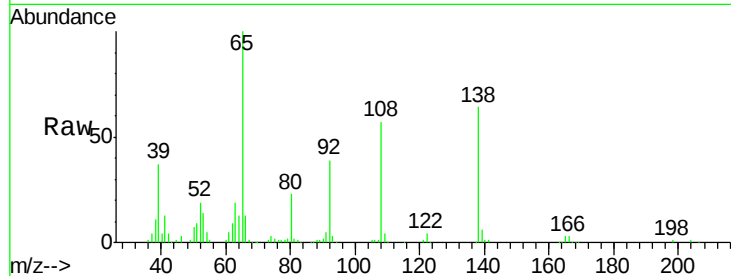
#61
4-Nitroaniline
Concen: 37.25 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Instrument :
BNA_F
ClientSampleId :
PB90333BS

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	216361		
92	60.1	24.7	64.7	
108	88.1	37.4	77.4	

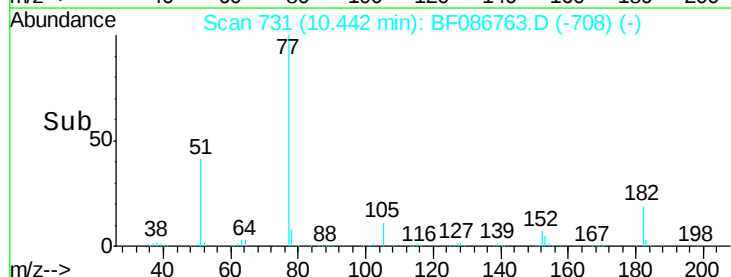
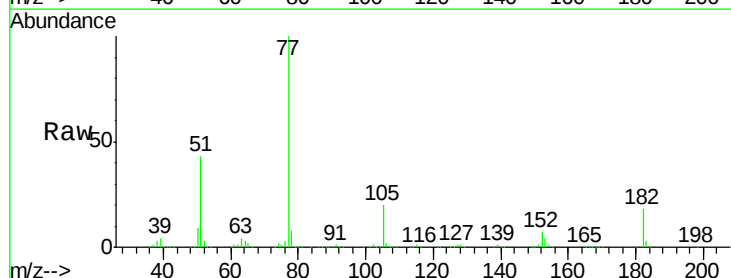
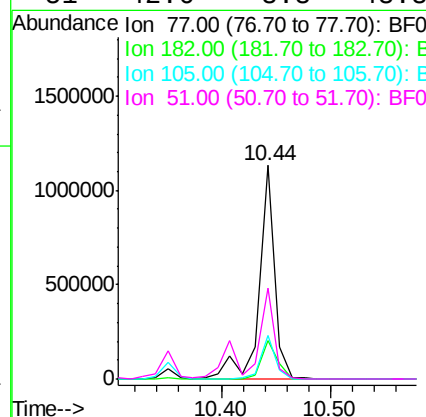
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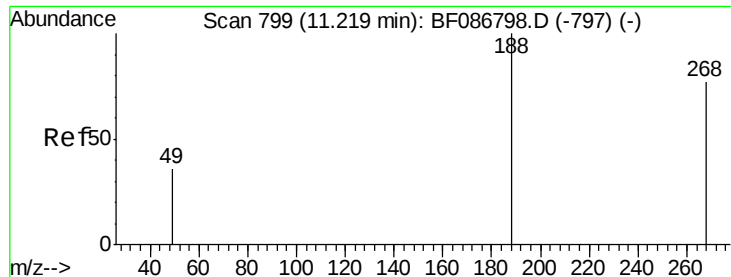
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#62
Azobenzene
Concen: 43.75 ng
RT: 10.44 min Scan# 731
Delta R.T. -0.03 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	1136800		
182	18.0	0.0	38.8	
105	20.2	3.2	43.2	
51	42.6	8.8	48.8	





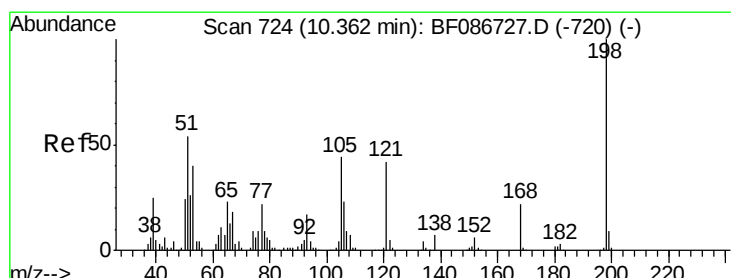
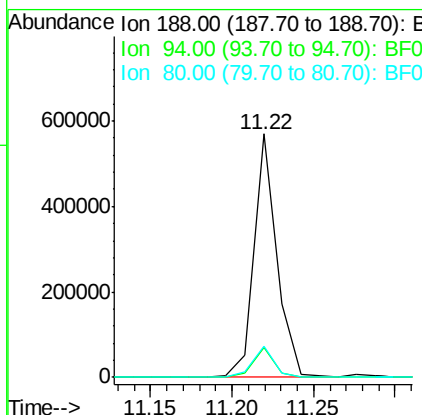
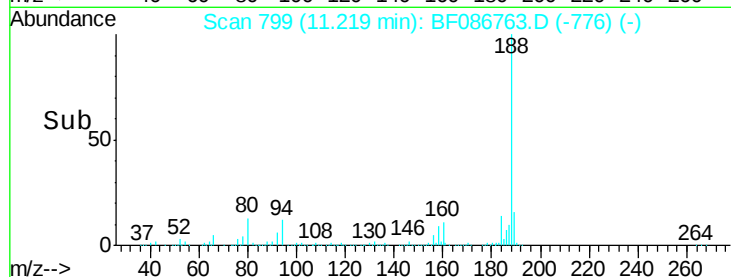
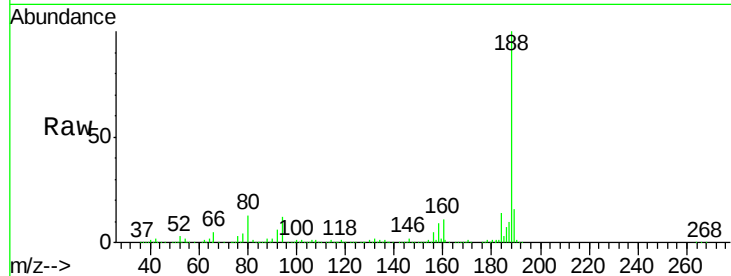
#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.1	6.8	10.2#
80	13.0	7.1	10.7#

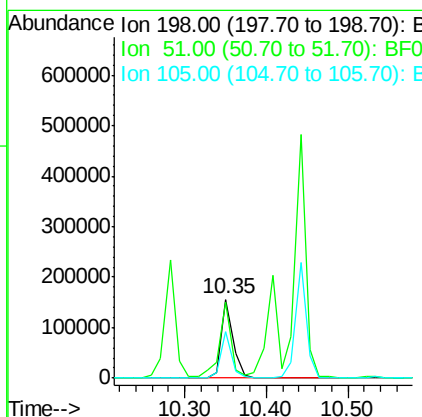
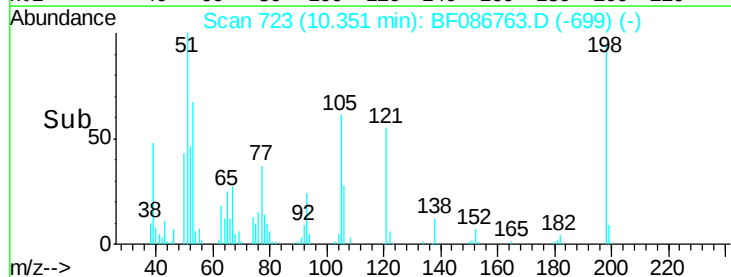
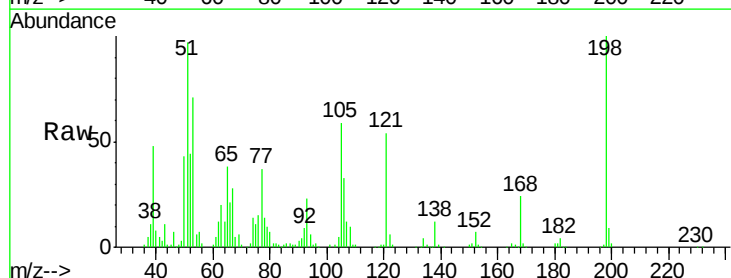
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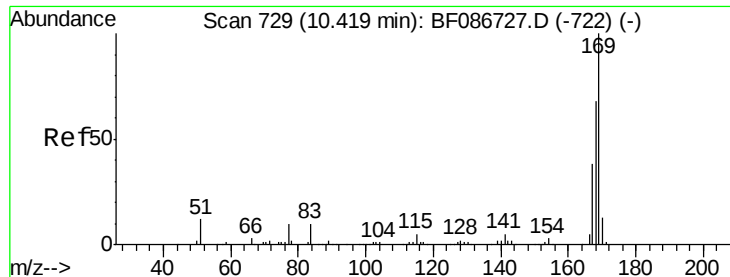
Sohil
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#64
 4,6-Dinitro-2-methylphenol
 Concen: 53.71 ng
 RT: 10.35 min Scan# 723
 Delta R.T. -0.02 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	96.6	20.5	60.5#
105	58.7	24.5	64.5





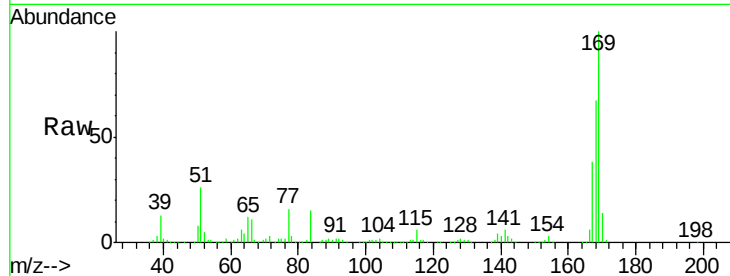
#65
n-Nitrosodiphenylamine
Concen: 42.00 ng
RT: 10.41 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Instrument :
BNA_F
ClientSampleId :
PB90333BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
169	100		
168	67.3	53.8	80.6
167	37.7	29.5	44.3

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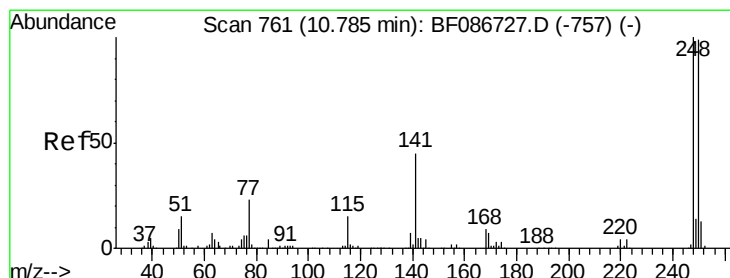
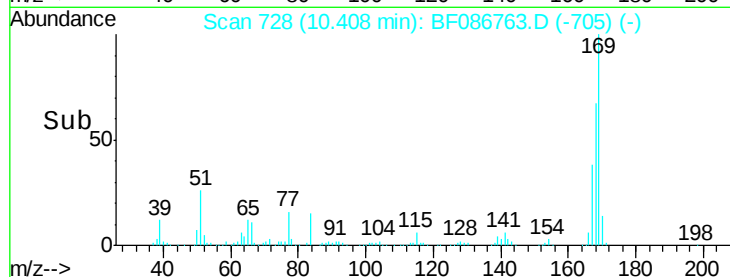
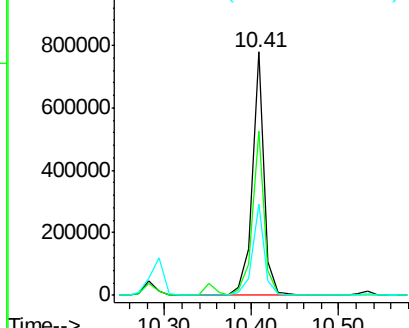


Abundance

Ion 169.00 (168.70 to 169.70): E

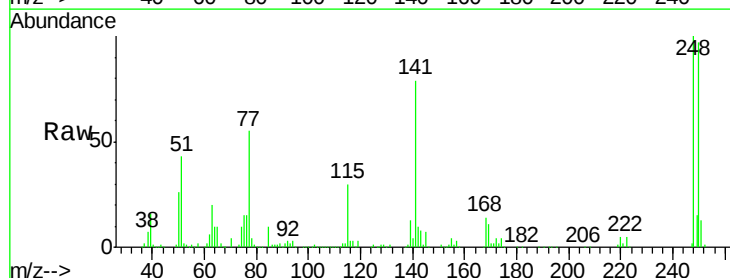
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66
4-Bromophenyl-phenylether
Concen: 46.83 ng
RT: 10.77 min Scan# 760
Delta R.T. -0.03 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
248	100		
250	97.1	78.6	117.8
141	79.2	76.0	114.0

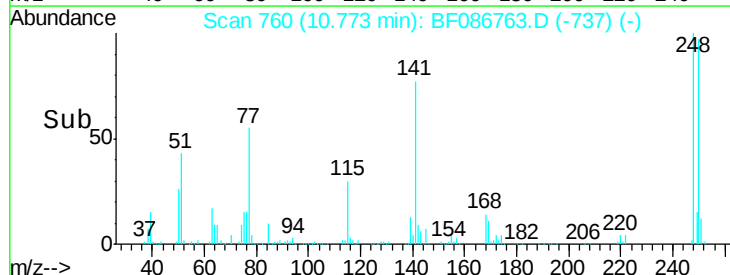
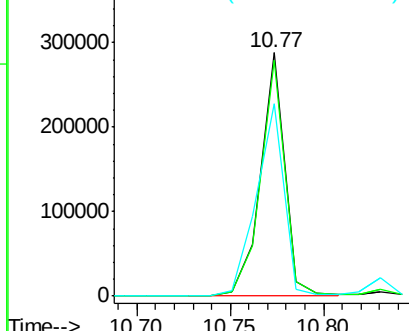


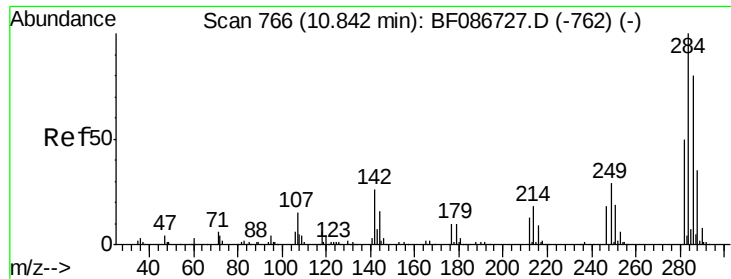
Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 41.36 ng

RT: 10.83 min Scan# 765

Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

ClientSampleId :

PB90333BS

Tgt Ion:284 Resp: 278378
Ion Ratio Lower Upper

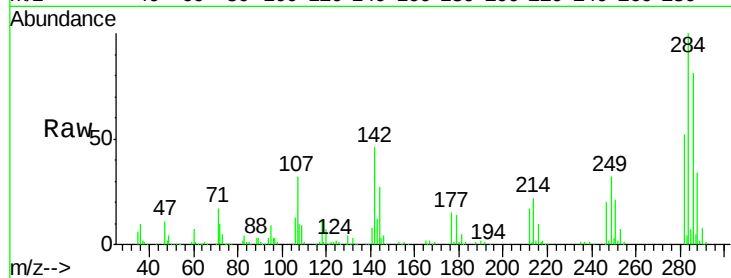
284 100

142 46.3 16.7 25.1#

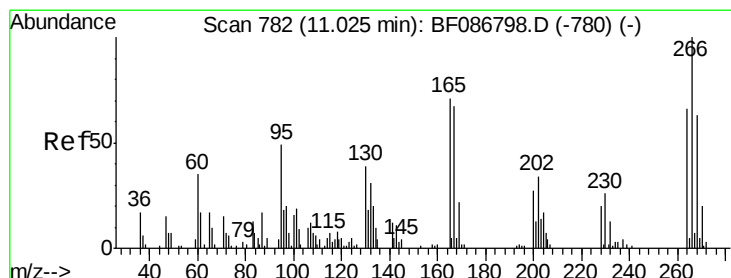
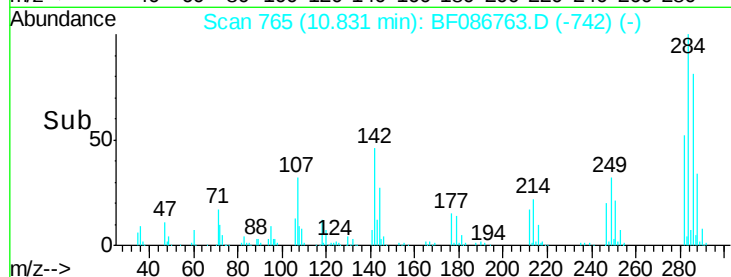
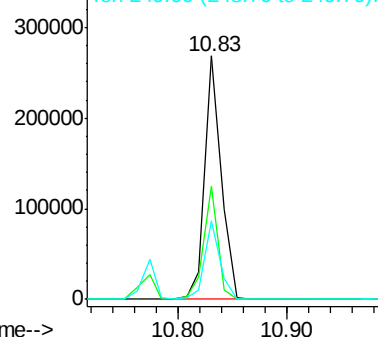
249 32.5 21.3 31.9#

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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: 51.25 ng

RT: 10.94 min Scan# 775

Delta R.T. -0.02 min

Lab File: BF086763.D

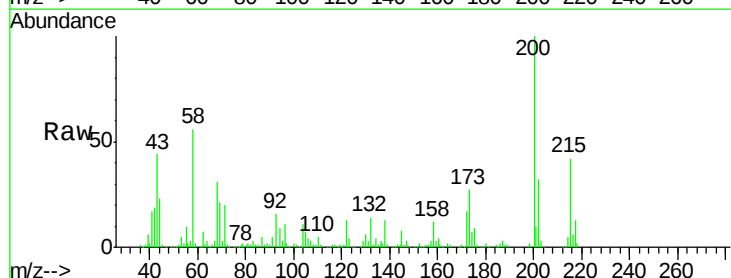
Acq: 7 May 2016 9:58

Tgt Ion:200 Resp: 277010
Ion Ratio Lower Upper

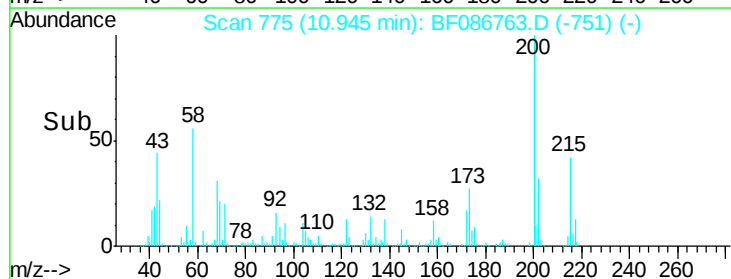
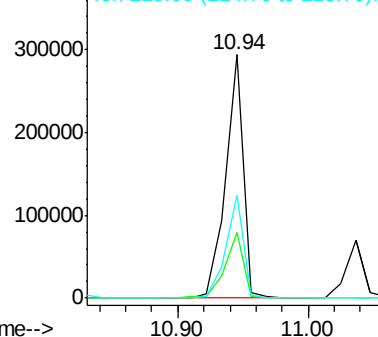
200 100

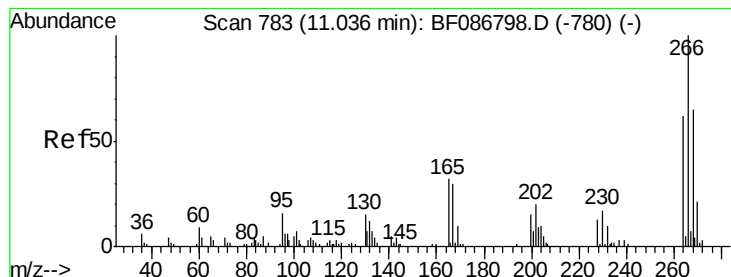
173 26.9 8.5 48.5

215 42.0 27.2 67.2



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





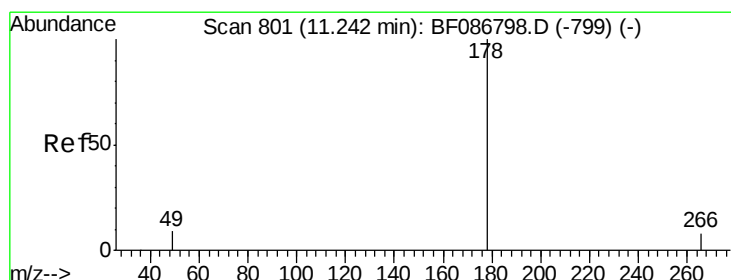
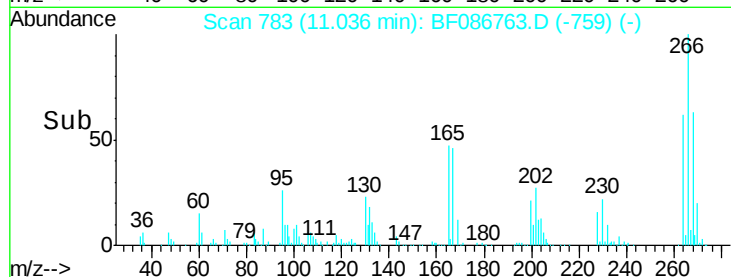
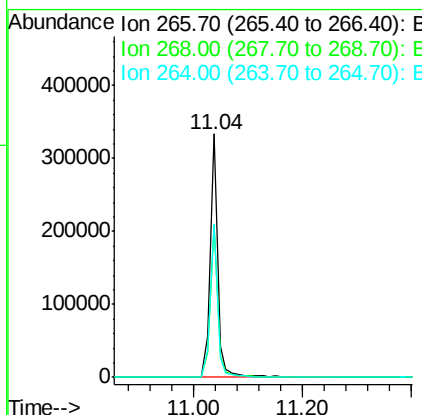
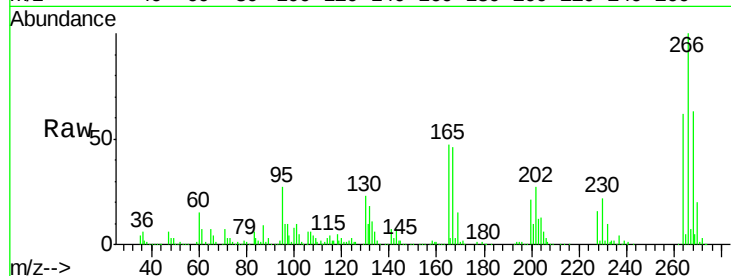
#69
 Pentachlorophenol
 Concen: 98.06 ng
 RT: 11.04 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BS

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	324945		
268	63.0	51.5	77.3	
264	62.5	52.9	79.3	

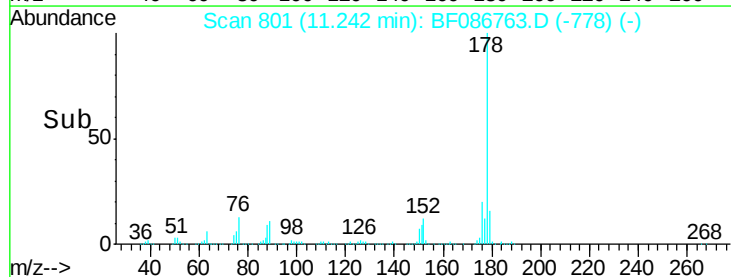
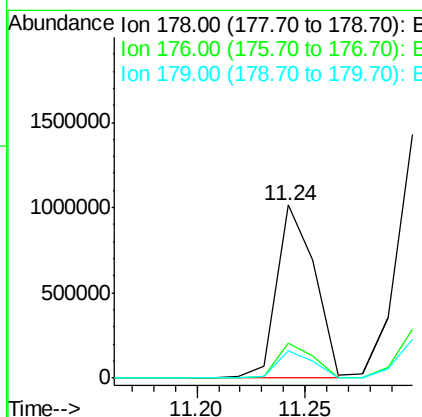
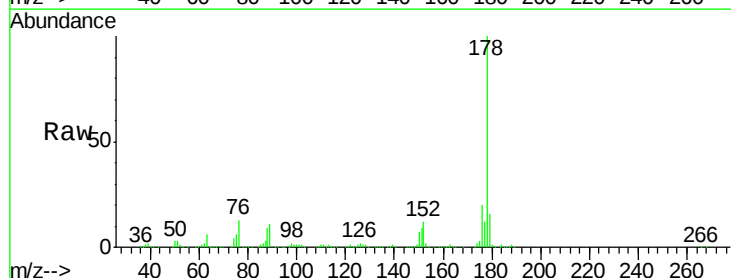
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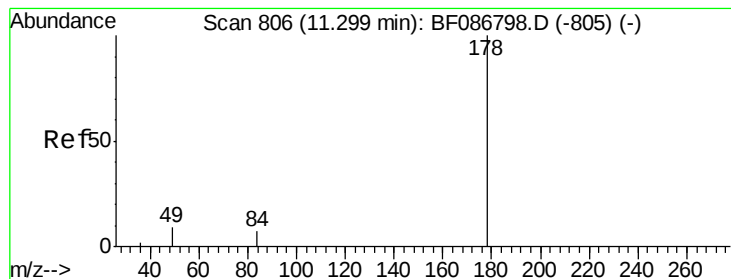
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#70
 Phenanthrene
 Concen: 41.27 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.03 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1231315		
176	20.1	16.0	24.0	
179	16.1	12.6	18.8	





#71

Anthracene

Concen: 43.39 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

ClientSampleId :

PB90333BS

Tgt Ion:178 Resp: 1355737

Ion Ratio Lower Upper

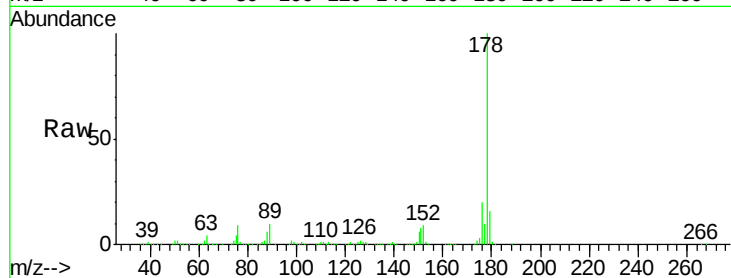
178 100

176 20.1 15.6 23.4

179 16.0 12.7 19.1

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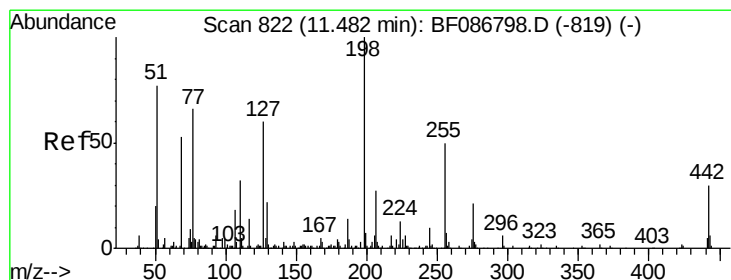
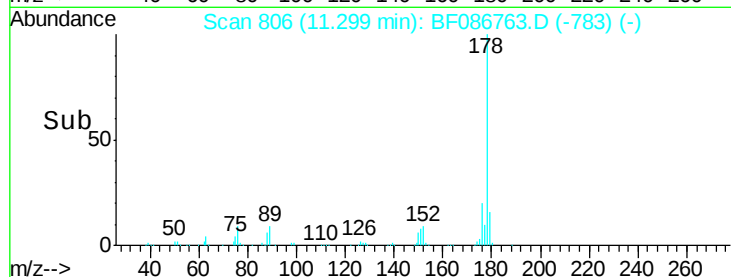
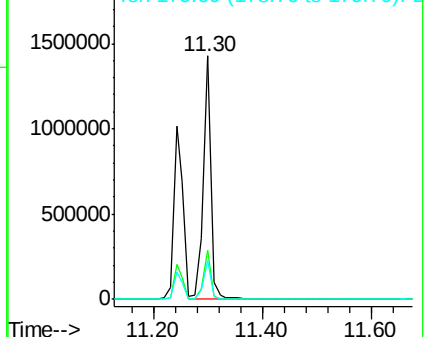
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 41.42 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

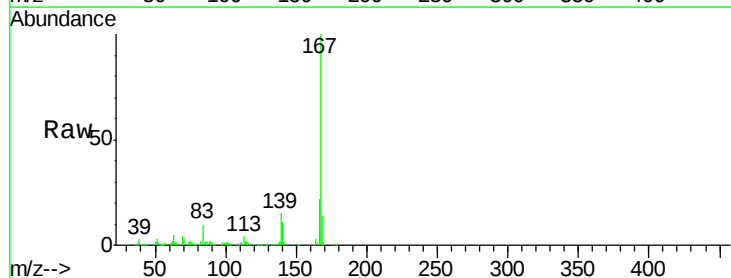
Tgt Ion:167 Resp: 1123750

Ion Ratio Lower Upper

167 100

166 22.3 17.7 26.5

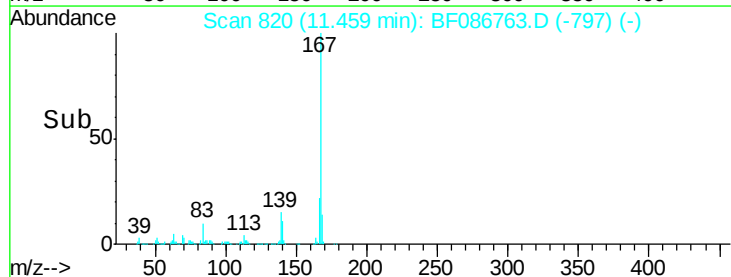
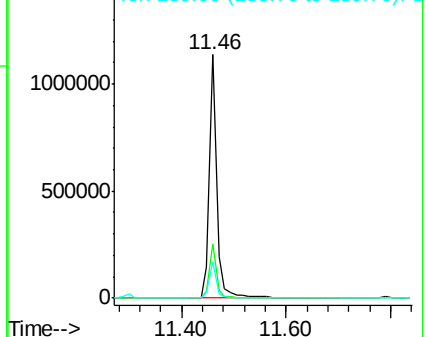
139 14.6 10.8 16.2

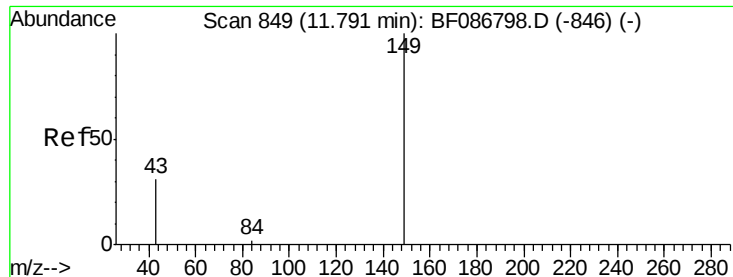


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 42.72 ng

RT: 11.79 min Scan# 849

Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

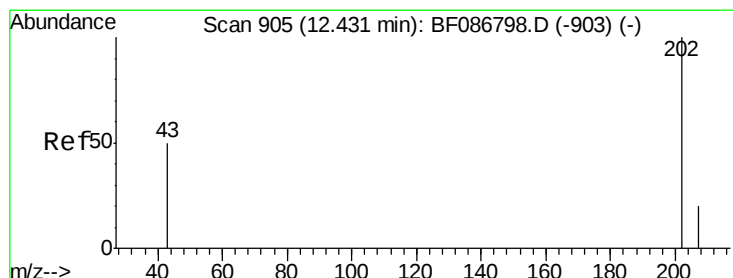
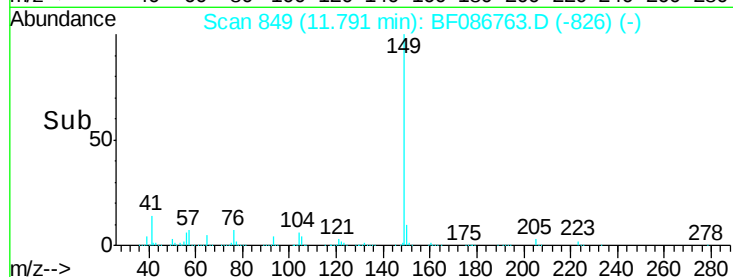
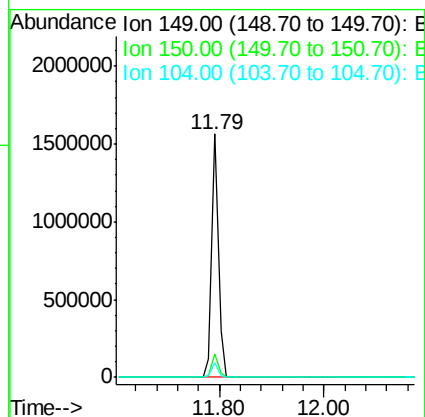
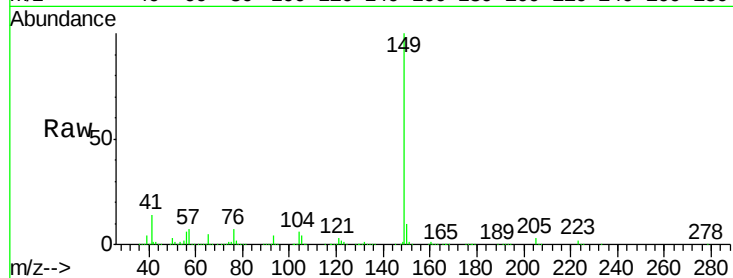
ClientSampleId :

PB90333BS

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Tgt Ion:149 Resp: 1376132
Ion Ratio Lower Upper
149 100
150 9.7 7.6 11.4
104 6.2 3.8 5.6#



#74

Fluoranthene

Concen: 45.31 ng

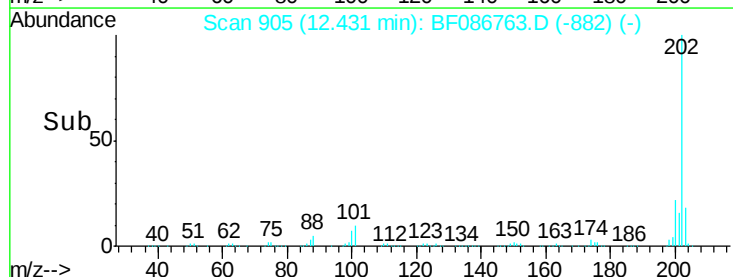
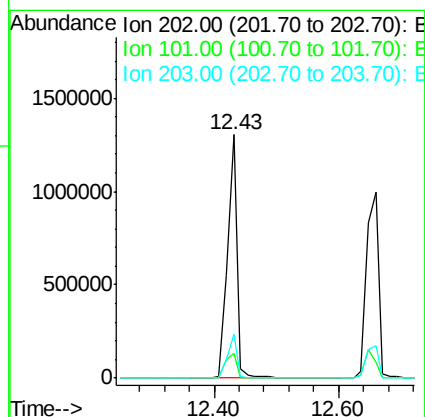
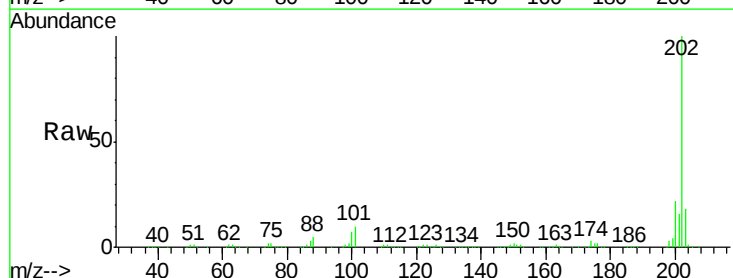
RT: 12.43 min Scan# 905

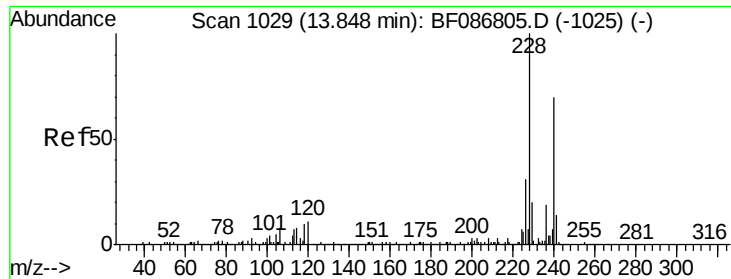
Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Tgt Ion:202 Resp: 1354723
Ion Ratio Lower Upper
202 100
101 10.3 0.0 35.4
203 18.2 0.0 38.1





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

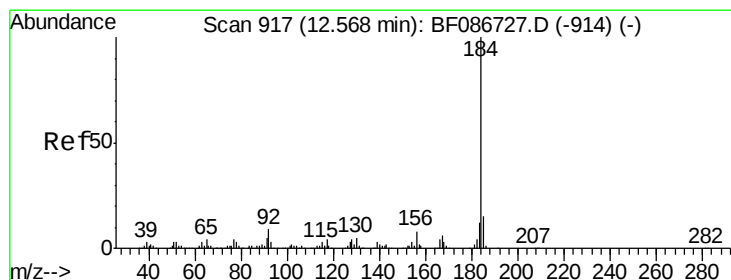
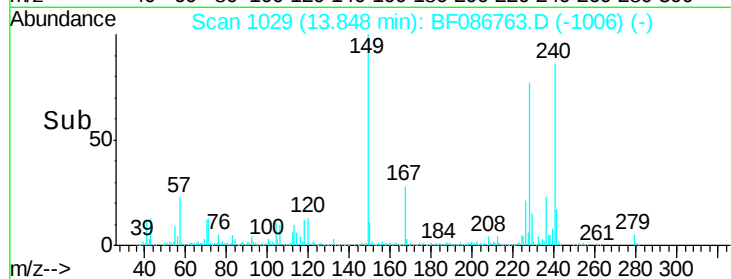
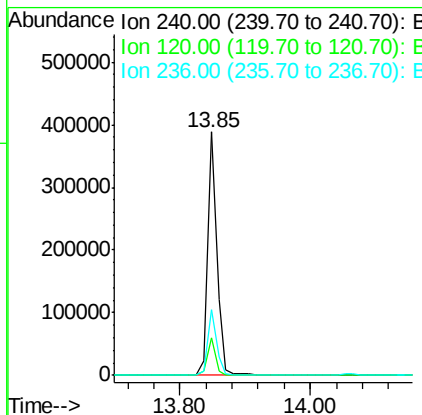
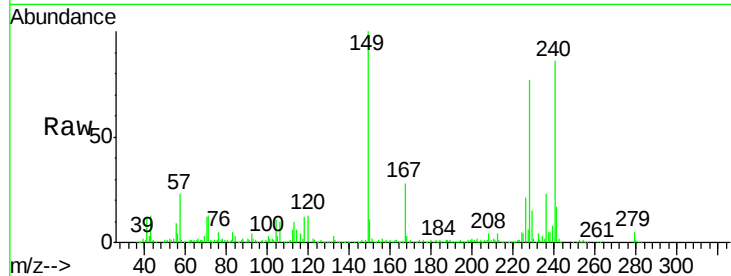
ClientSampled :

PB90333BS

Tgt Ion:	240	Resp:	381535
Ion Ratio	Lower	Upper	
240	100		
120	15.3	11.2	16.8
236	26.8	21.2	31.8

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#76

Benzidine

Concen: 21.90 ng

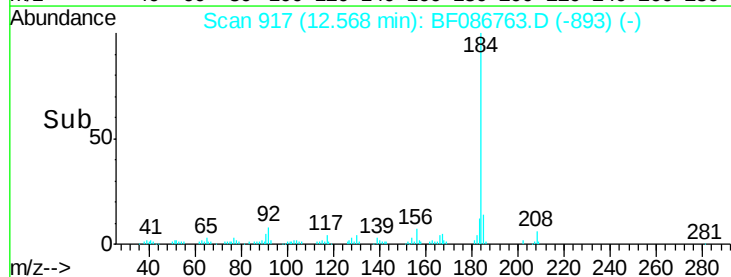
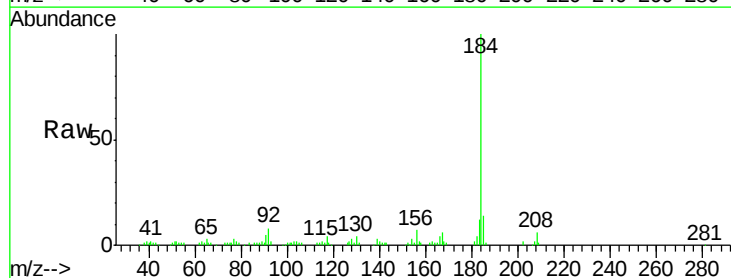
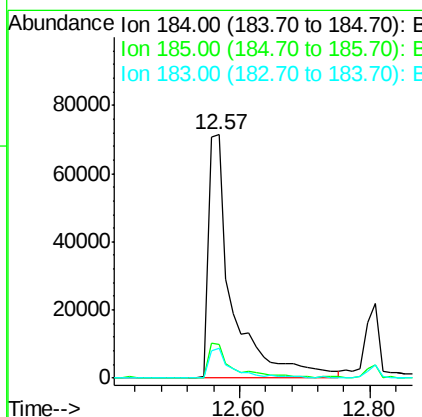
RT: 12.57 min Scan# 917

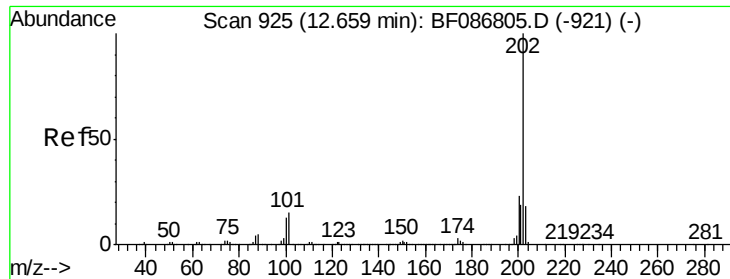
Delta R.T. -0.02 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Tgt Ion:	184	Resp:	181606
Ion Ratio	Lower	Upper	
184	100		
185	13.8	13.6	20.4
183	12.2	9.8	14.6





#77

Pyrene

Concen: 43.28 ng

RT: 12.66 min Scan# 925

Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

ClientSampleId :

PB90333BS

Tgt Ion:202 Resp: 1316379

Ion Ratio Lower Upper

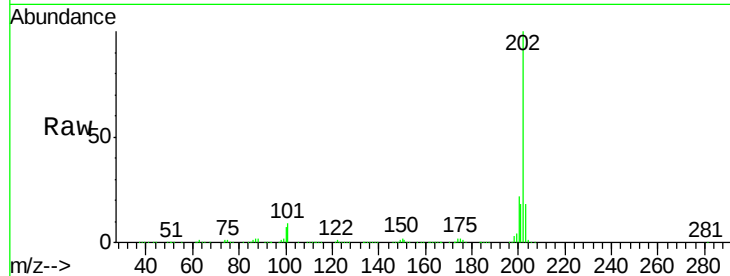
202 100

200 22.2 17.7 26.5

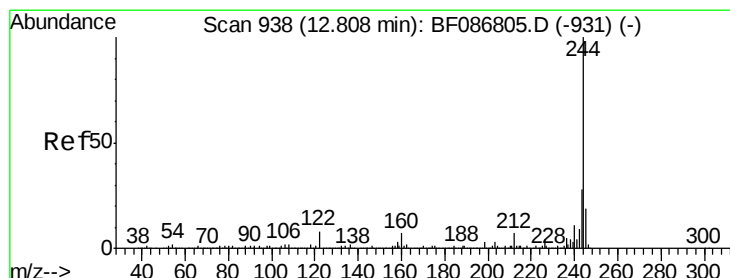
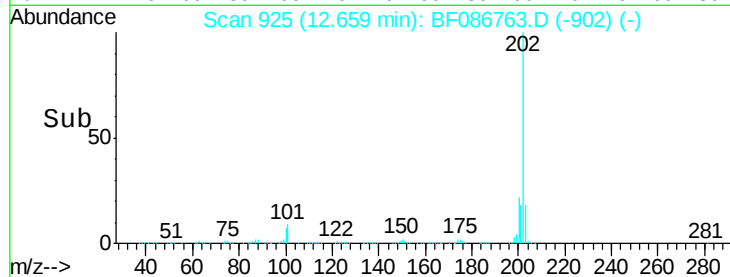
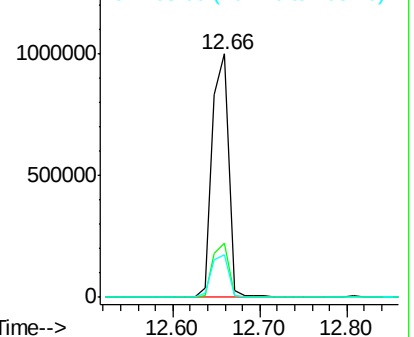
203 17.6 14.2 21.4

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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: 86.47 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

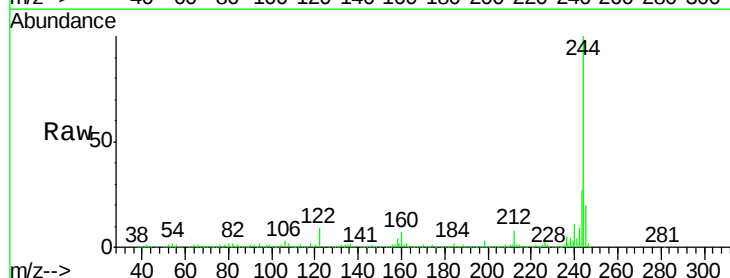
Tgt Ion:244 Resp: 1632337

Ion Ratio Lower Upper

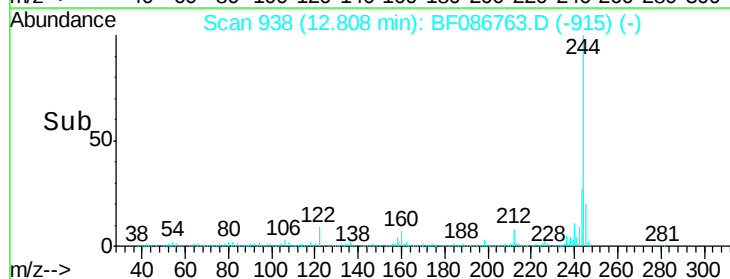
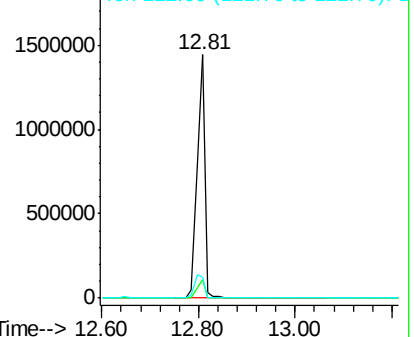
244 100

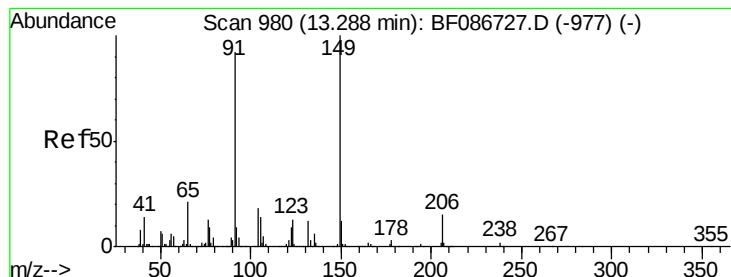
212 7.6 6.2 9.2

122 8.8 12.0 18.0#



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: 45.25 ng

RT: 13.28 min Scan# 979

Delta R.T. -0.05 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

ClientSampleId :

PB90333BS

Tgt Ion: 149 Resp: 576497
Ion Ratio Lower Upper

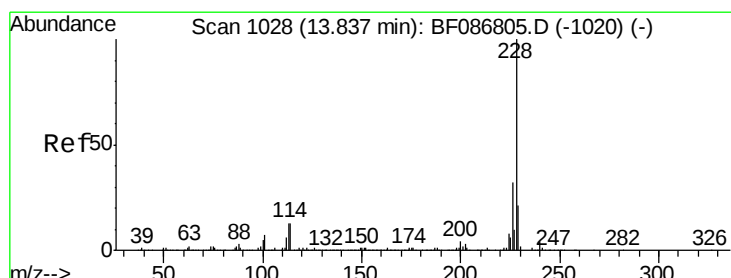
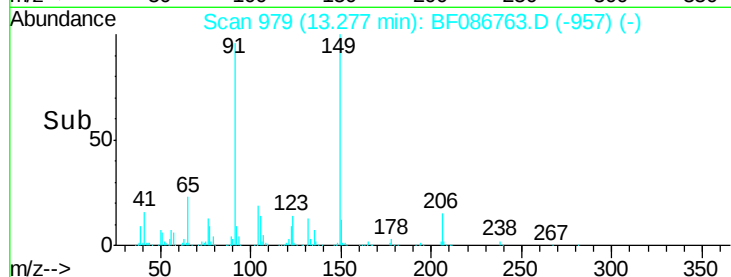
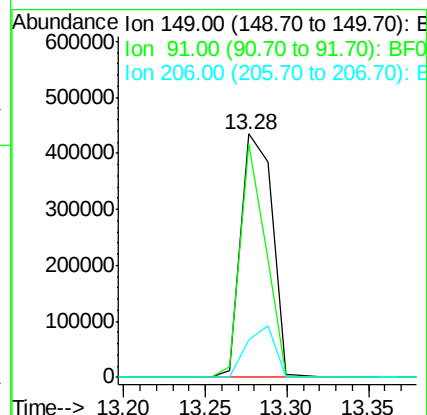
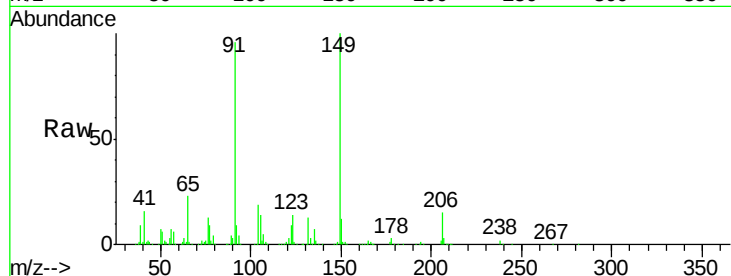
149 100

91 96.1 48.0 72.0#

206 15.2 15.8 23.6#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 43.30 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF086763.D

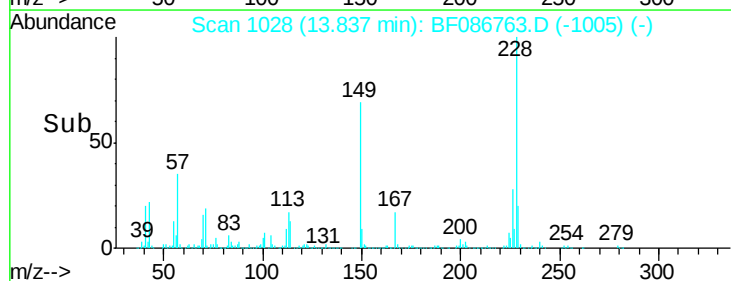
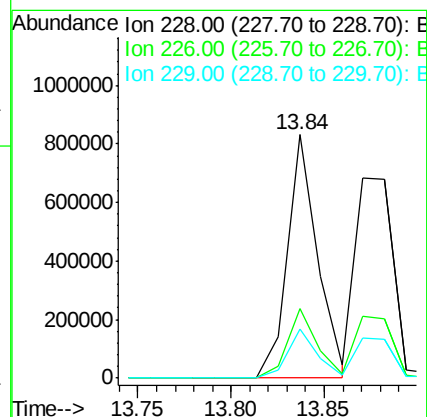
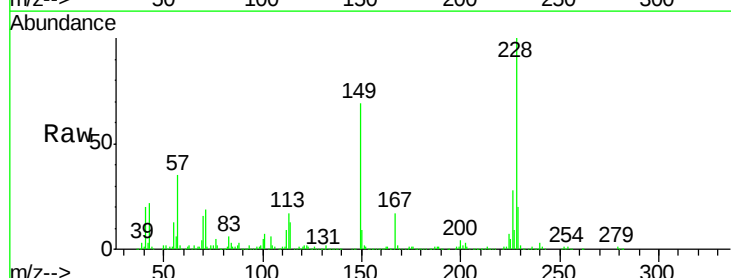
Acq: 7 May 2016 9:58

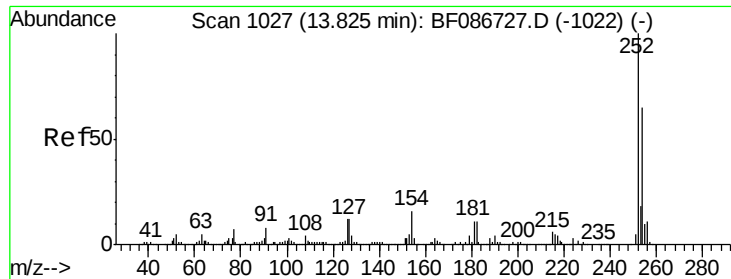
Tgt Ion: 228 Resp: 934384
Ion Ratio Lower Upper

228 100

226 28.4 22.5 33.7

229 20.0 16.6 25.0





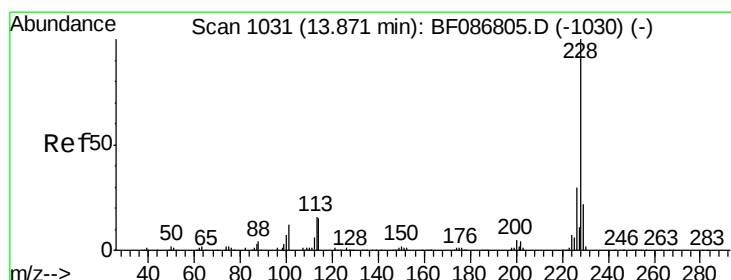
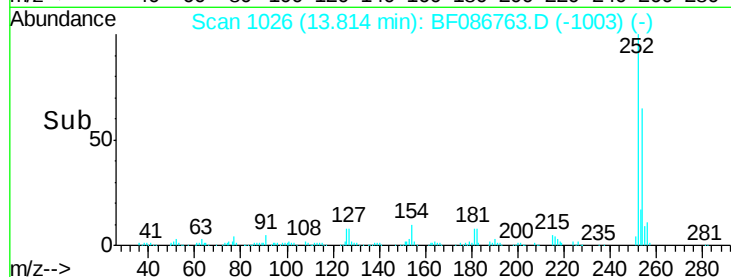
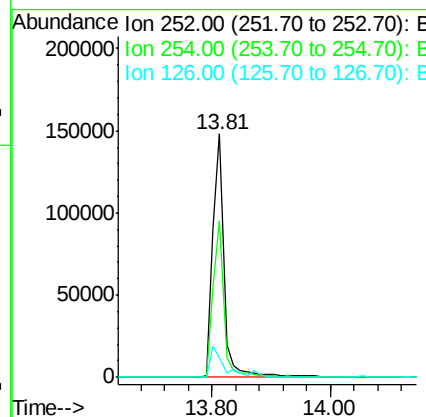
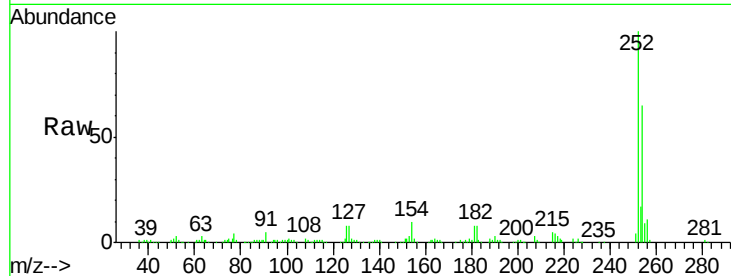
#81
 3,3'-Dichlorobenzidine
 Concen: 14.61 ng
 RT: 13.81 min Scan# 1026
 Delta R.T. -0.03 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BS

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
254	64.5	50.7	76.1
126	8.2	12.7	19.1#

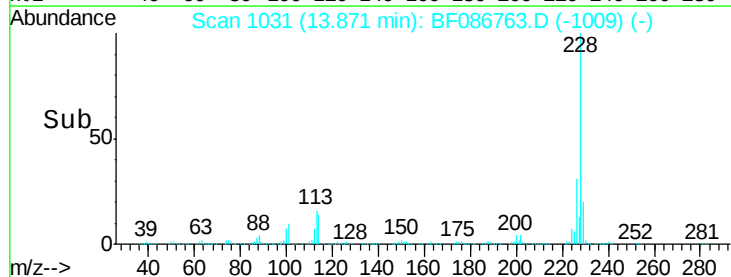
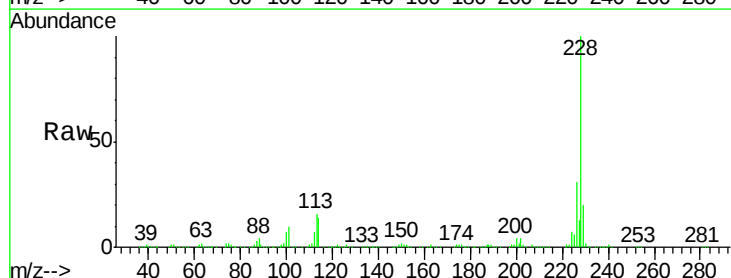
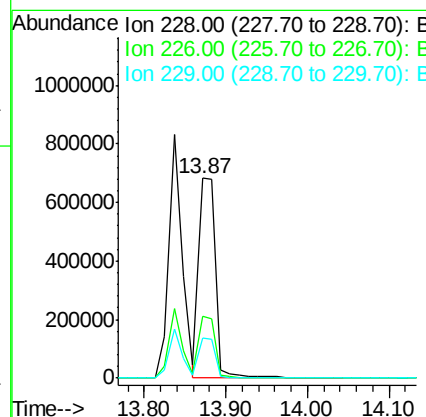
Manual Integrations
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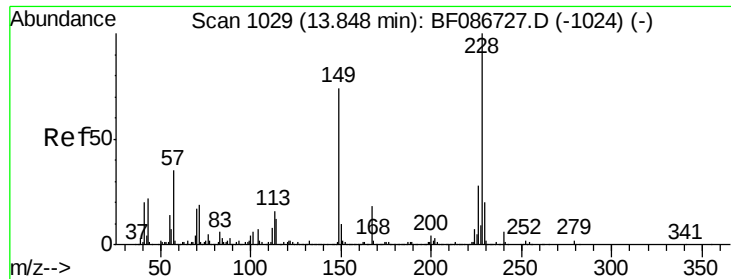
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#82
 Chrysene
 Concen: 42.75 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. -0.05 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.9	24.4	36.6
229	20.0	15.8	23.8





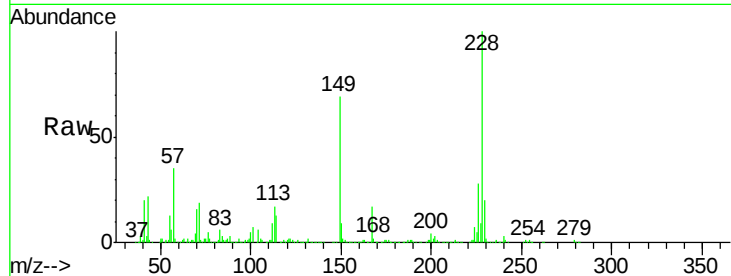
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 49.29 ng
 RT: 13.84 min Scan# 1028
 Delta R.T. -0.05 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BS

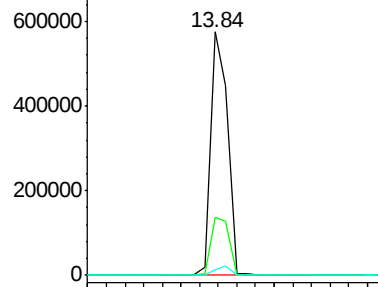
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	726713		
167	24.1	21.8	32.6	
279	2.0	2.6	4.0	

Manual Integrations
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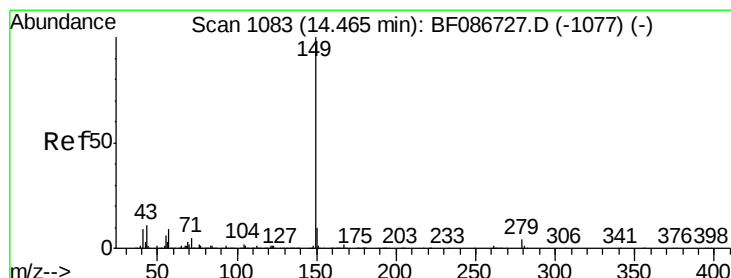
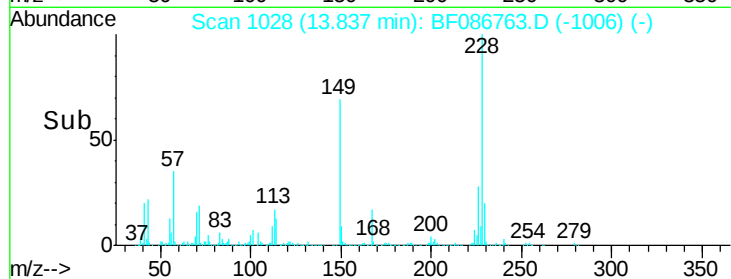
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Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

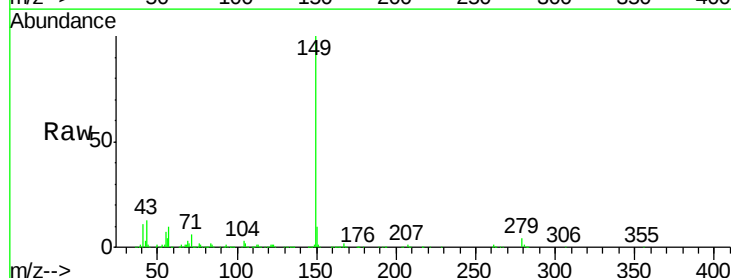


Time--> 13.70 13.80 13.90

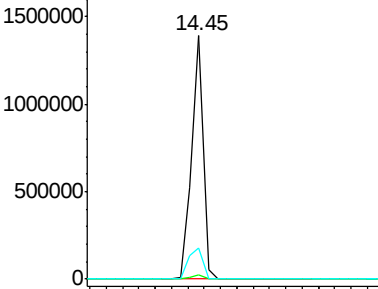


#84
 Di-n-octyl phthalate
 Concen: 62.88 ng
 RT: 14.45 min Scan# 1082
 Delta R.T. -0.03 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

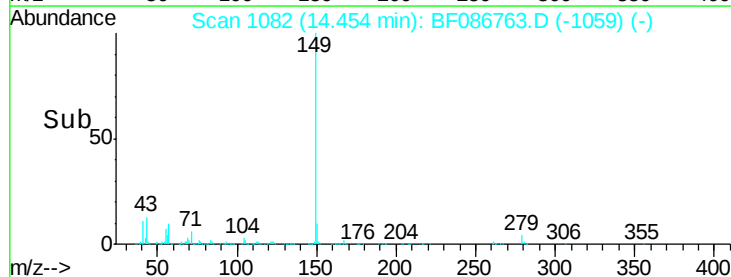
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1364086		
167	1.5	1.2	1.8	
43	16.5	8.2	12.4	

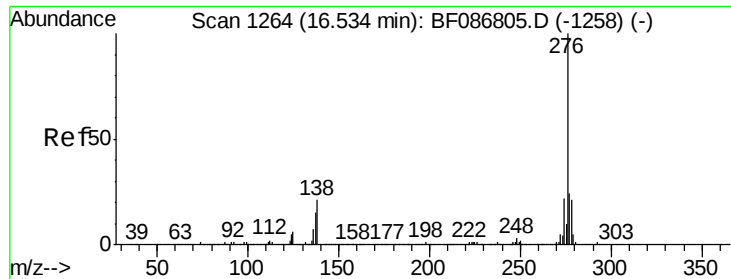


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0



Time--> 14.40 14.50 14.60





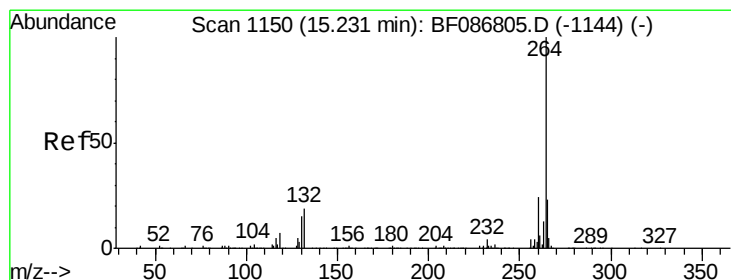
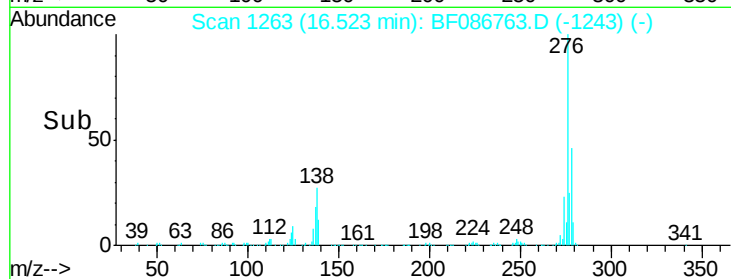
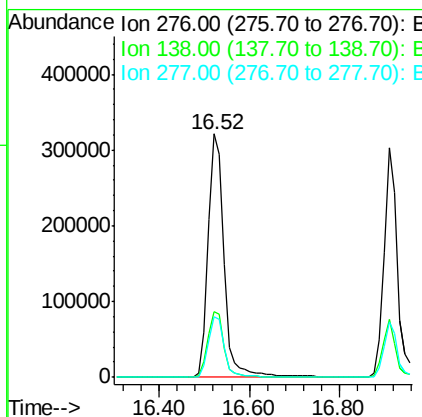
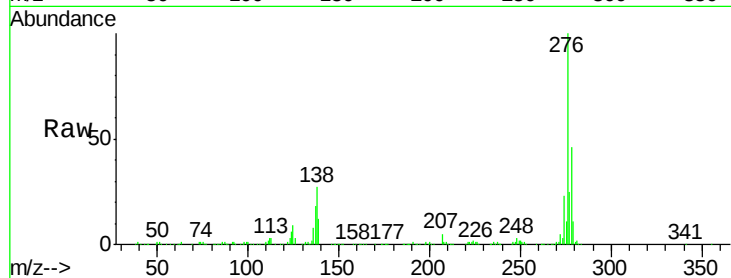
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 40.53 ng
 RT: 16.52 min Scan# 1263
 Delta R.T. -0.07 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.6	25.6	38.4
277	25.4	20.5	30.7

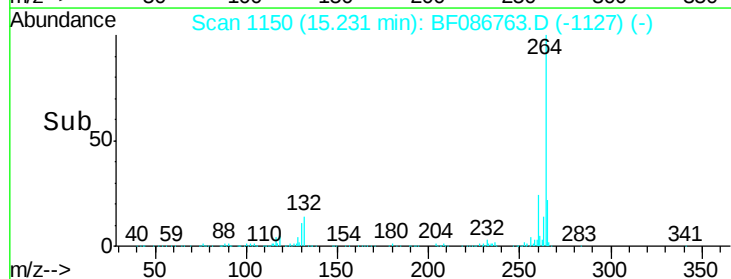
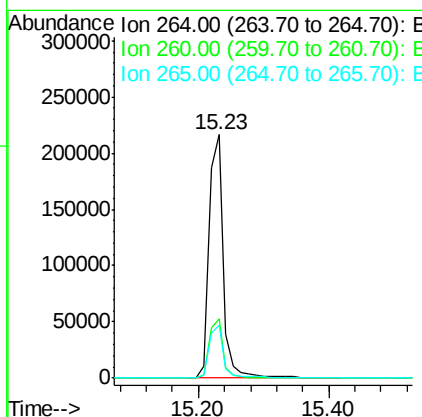
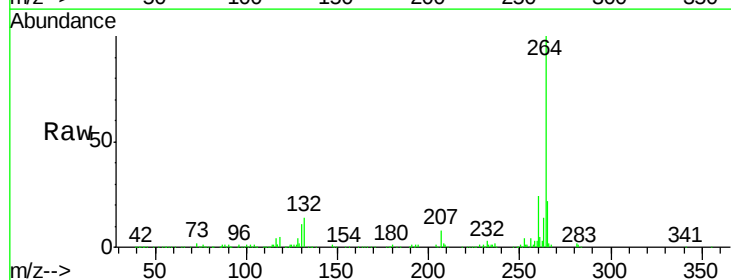
Manual Integrations
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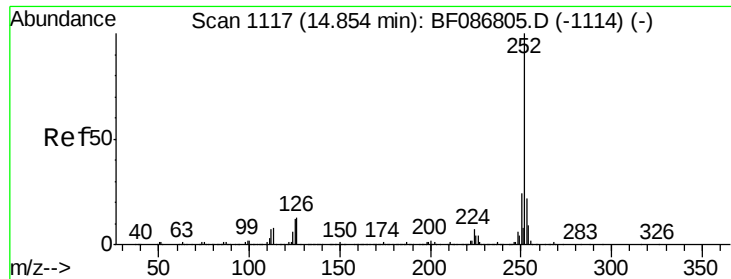
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#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.03 min
 Lab File: BF086763.D
 Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.8	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 57.68 ng m

RT: 14.84 min Scan# 1116

Delta R.T. -0.05 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

ClientSampleId :

PB90333BS

Tgt Ion:252 Resp: 1155044

Ion Ratio Lower Upper

252 100

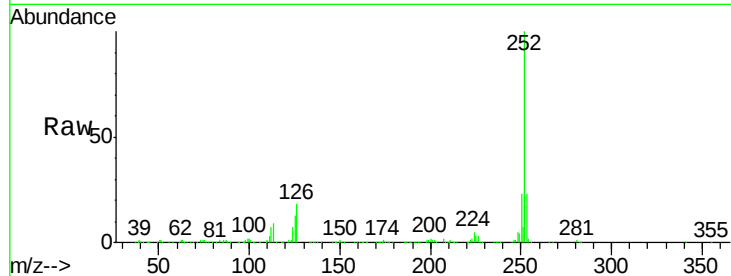
253 22.7 17.8 26.6

125 12.9 11.4 17.0

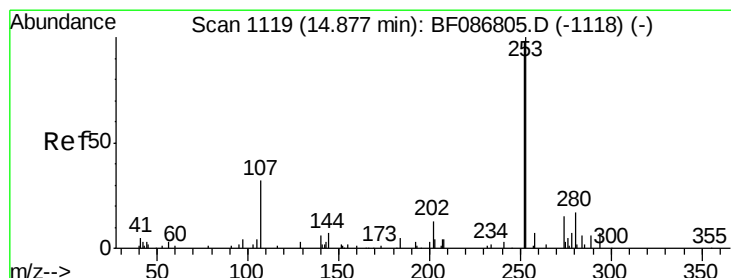
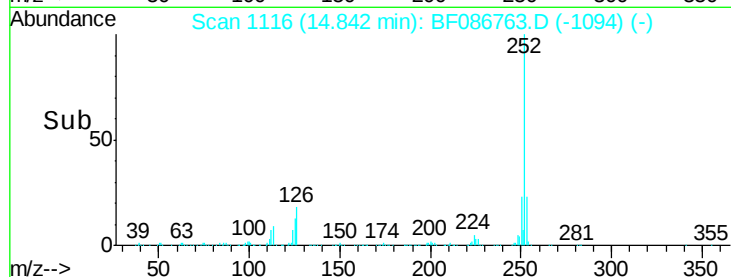
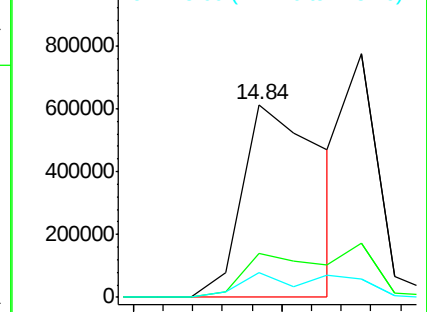
Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 33.08 ng m

RT: 14.88 min Scan# 1119

Delta R.T. -0.03 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

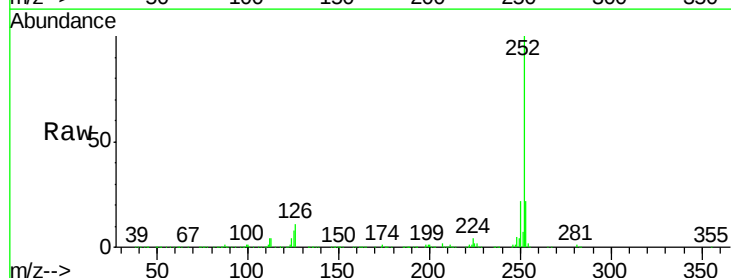
Tgt Ion:252 Resp: 624231

Ion Ratio Lower Upper

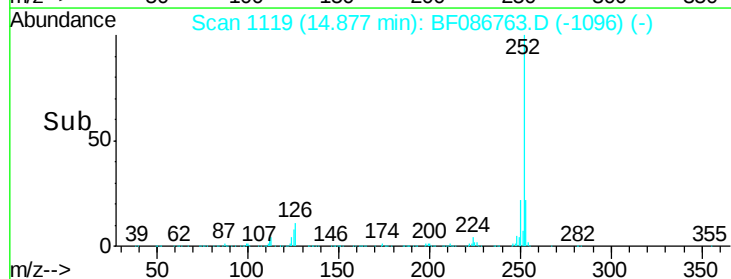
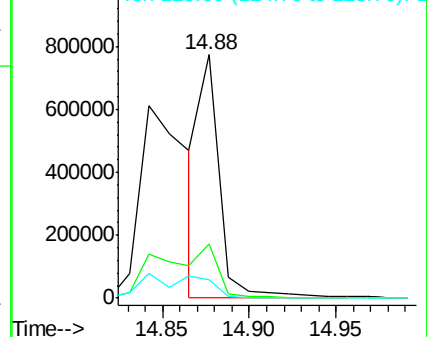
252 100

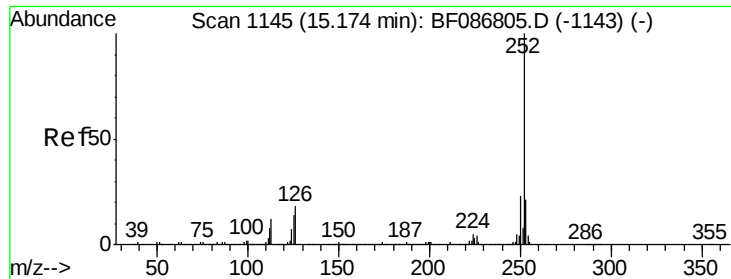
253 22.0 17.8 26.6

125 7.5 9.1 13.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





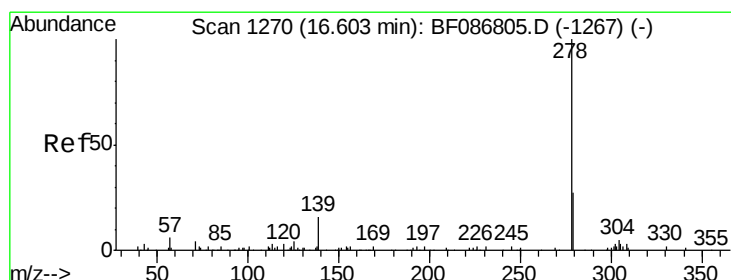
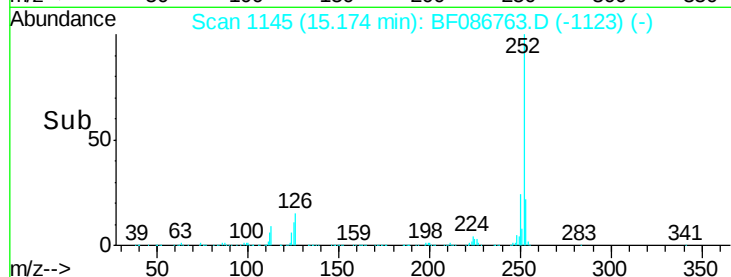
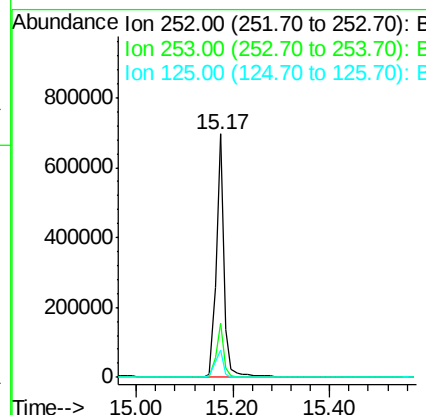
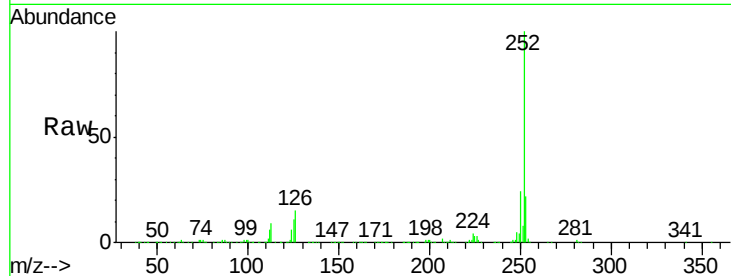
#89
Benzo(a)pyrene
Concen: 43.74 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.05 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Instrument :
BNA_F
ClientSampleId :
PB90333BS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	11.4	9.0	13.6

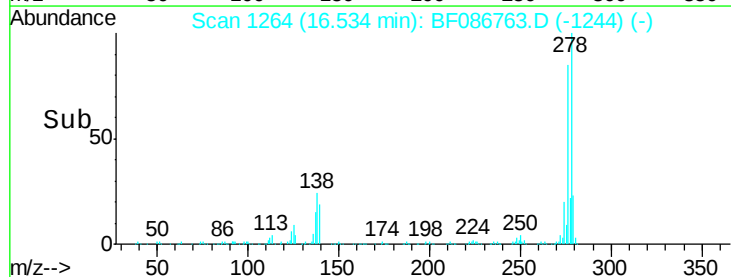
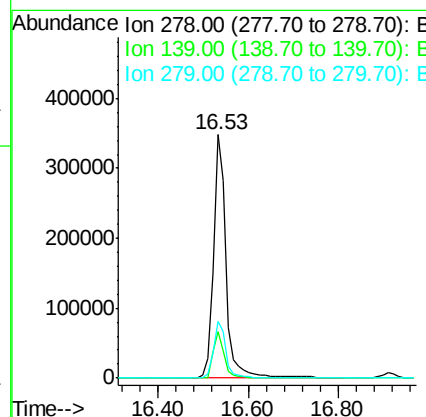
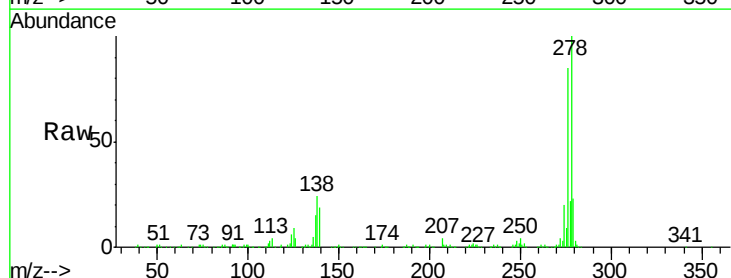
Manual Integrations
APPROVED

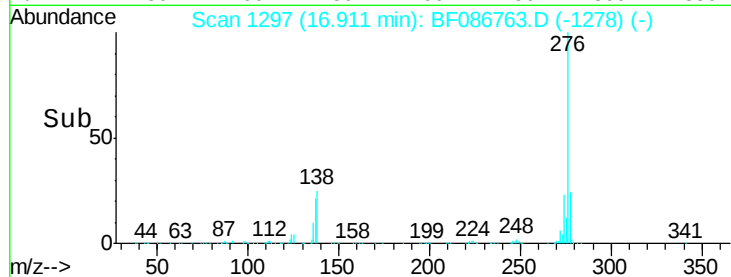
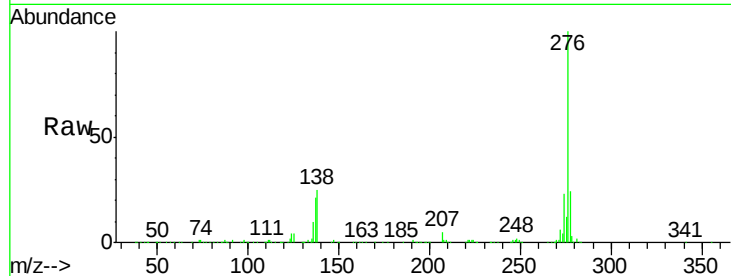
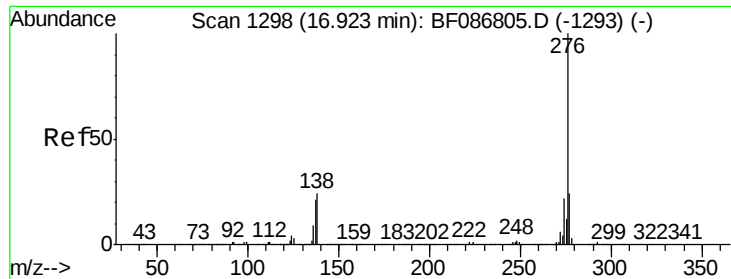
Sohil
5/9/2016 7:17:35 PM



#90
Dibenzo(a,h)anthracene
Concen: 38.08 ng
RT: 16.53 min Scan# 1264
Delta R.T. -0.07 min
Lab File: BF086763.D
Acq: 7 May 2016 9:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.9	16.6	24.8
279	23.5	19.6	29.4





#91

Benzo(g,h,i)perylene

Concen: 35.44 ng

RT: 16.91 min Scan# 1297

Delta R.T. -0.08 min

Lab File: BF086763.D

Acq: 7 May 2016 9:58

Instrument :

BNA_F

ClientSampleId :

PB90333BS

Tgt Ion:	276	Resp:	659351
Ion Ratio		Lower	Upper
276	100		
277	24.1	19.6	29.4
138	25.1	23.6	35.4

Manual Integrations
APPROVED

Sohil
5/9/2016 7:17:35 PM

