

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050616\
 Data File : BF086764.D
 Acq On : 7 May 2016 10:27
 Operator : UM/SJ
 Sample : PB90333BSD
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BSD

Manual Integrations
 APPROVED

Sohil
 5/9/2016 7:17:36 PM

Quant Time: May 07 23:30:48 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	172341	40.00	ng	-0.03
21) Naphthalene-d8	8.00	136	706000	40.00	ng	-0.03
38) Acenaphthene-d10	9.74	164	336956	40.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	575466	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	378821	40.00	ng	-0.03
86) Perylene-d12	15.23	264	339371	40.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1227532	117.92	ng	0.00
7) Phenol-d6	6.37	99	1588999	113.31	ng	0.00
23) Nitrobenzene-d5	7.28	82	988196	71.93	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	369516	112.10	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	1599366	77.81	ng	-0.03
78) Terphenyl-d14	12.81	244	1522446	81.22	ng	-0.03

Target Compounds						Qvalue
2) 1,4-Dioxane	2.33	88	159295	29.61	ng	# 77
3) Pyridine	3.04	79	378531	28.69	ng	# 68
4) n-Nitrosodimethylamine	2.96	42	312278	39.02	ng	# 50
6) Aniline	6.37	93	359879	20.79	ng	# 12
8) 2-Chlorophenol	6.50	128	453281	36.28	ng	98
9) Benzaldehyde	6.26	77	45043	6.44	ng	99
10) Phenol	6.38	94	527523	34.38	ng	81
11) bis(2-Chloroethyl)ether	6.45	93	501221	37.96	ng	92
12) 1,3-Dichlorobenzene	6.65	146	466951	35.20	ng	98
13) 1,4-Dichlorobenzene	6.72	146	467228m	34.07	ng	
14) 1,2-Dichlorobenzene	6.88	146	448992	37.60	ng	100
15) Benzyl Alcohol	6.86	79	377624	41.62	ng	# 87
16) 2,2'-oxybis(1-Chloropropan	6.99	45	922635	34.17	ng	68
17) 2-Methylphenol	6.99	107	372058	36.99	ng	# 82
18) Hexachloroethane	7.21	117	186825	36.08	ng	97
19) n-Nitroso-di-n-propylamine	7.14	70	361396	37.72	ng	# 81
20) 3+4-Methylphenols	7.14	107	475322	40.36	ng	# 69
22) Acetophenone	7.13	105	646388	39.29	ng	99
24) Nitrobenzene	7.30	77	557821	39.27	ng	95
25) Isophorone	7.54	82	943635	36.88	ng	99
26) 2-Nitrophenol	7.62	139	238219	37.59	ng	95
27) 2,4-Dimethylphenol	7.66	122	402657	36.18	ng	89
28) bis(2-Chloroethoxy)methane	7.76	93	604190	42.91	ng	99
29) 2,4-Dichlorophenol	7.86	162	368839	38.55	ng	93
30) 1,2,4-Trichlorobenzene	7.94	180	409175	38.33	ng	99
31) Naphthalene	8.01	128	1300329	36.05	ng	99
32) Benzoic acid	7.81	122	282551	62.09	ng	# 81
33) 4-Chloroaniline	8.08	127	155604	11.14	ng	# 95
34) Hexachlorobutadiene	8.13	225	233466	38.52	ng	97
35) Caprolactam	8.46	113	117940m	39.82	ng	
36) 4-Chloro-3-methylphenol	8.58	107	432020	39.58	ng	99
37) 2-Methylnaphthalene	8.70	142	867863	40.78	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.86	216	350578	35.94	ng	98
40) Hexachlorocyclopentadiene	8.85	237	418032	91.99	ng	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.99	196	248006	39.99	ng	95
43) 2,4,5-Trichlorophenol	9.04	196	248809	38.40	ng #	82
45) 1,1'-Biphenyl	9.17	154	1098386	39.87	ng	99
46) 2-Chloronaphthalene	9.20	162	819840	38.57	ng	99
47) 2-Nitroaniline	9.30	65	287584	38.05	ng #	77
48) Acenaphthylene	9.61	152	1283846	40.68	ng	99
49) Dimethylphthalate	9.48	163	944921	37.62	ng	100
50) 2,6-Dinitrotoluene	9.54	165	194127	36.01	ng #	79
51) Acenaphthene	9.78	154	798160	38.34	ng	99
52) 3-Nitroaniline	9.71	138	128599	20.98	ng #	78
53) 2,4-Dinitrophenol	9.82	184	240490	96.08	ng #	79
54) Dibenzofuran	9.95	168	1102743	42.74	ng	97
55) 4-Nitrophenol	9.89	139	218213	61.07	ng #	40
56) 2,4-Dinitrotoluene	9.94	165	244775	36.64	ng #	59
57) Fluorene	10.29	166	882868	42.22	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.08	232	225260	47.34	ng	97
59) Diethylphthalate	10.18	149	968505	40.74	ng	97
60) 4-Chlorophenyl-phenylether	10.28	204	363709	36.58	ng	99
61) 4-Nitroaniline	10.33	138	193333	32.83	ng #	68
62) Azobenzene	10.44	77	1069625	40.60	ng	86
64) 4,6-Dinitro-2-methylphenol	10.35	198	154536	51.69	ng #	58
65) n-Nitrosodiphenylamine	10.41	169	722945	39.57	ng	99
66) 4-Bromophenyl-phenylether	10.77	248	247993	43.37	ng #	88
67) Hexachlorobenzene	10.83	284	259584	37.22	ng #	69
68) Atrazine	10.94	200	262871	46.94	ng	96
69) Pentachlorophenol	11.04	266	304492	89.24	ng	97
70) Phenanthrene	11.24	178	1141213	36.92	ng	99
71) Anthracene	11.30	178	1319218	40.76	ng	100
72) Carbazole	11.46	167	1100134	39.14	ng	99
73) Di-n-butylphthalate	11.79	149	1286394	38.55	ng #	98
74) Fluoranthene	12.43	202	1296519	41.85	ng	94
76) Benzidine	12.56	184	234298	26.33	ng	96
77) Pyrene	12.66	202	1258739	41.68	ng	99
79) Butylbenzylphthalate	13.29	149	569058	44.98	ng	97
80) Benzo(a)anthracene	13.84	228	890392	41.56	ng	99
81) 3,3'-Dichlorobenzidine	13.81	252	173108	12.86	ng #	94
82) Chrysene	13.87	228	928312	40.61	ng	99
83) Bis(2-ethylhexyl)phthalate	13.84	149	707350	48.32	ng #	95
84) Di-n-octyl phthalate	14.45	149	1301588	60.43	ng #	87
85) Indeno(1,2,3-cd)pyrene	16.52	276	757420	38.62	ng	96
87) Benzo(b)fluoranthene	14.84	252	778374m	38.17	ng	
88) Benzo(k)fluoranthene	14.88	252	869137m	45.24	ng	
89) Benzo(a)pyrene	15.17	252	766951	40.83	ng	99
90) Dibenzo(a,h)anthracene	16.53	278	633496	35.11	ng	98
91) Benzo(g,h,i)perylene	16.91	276	622681	32.87	ng	94

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

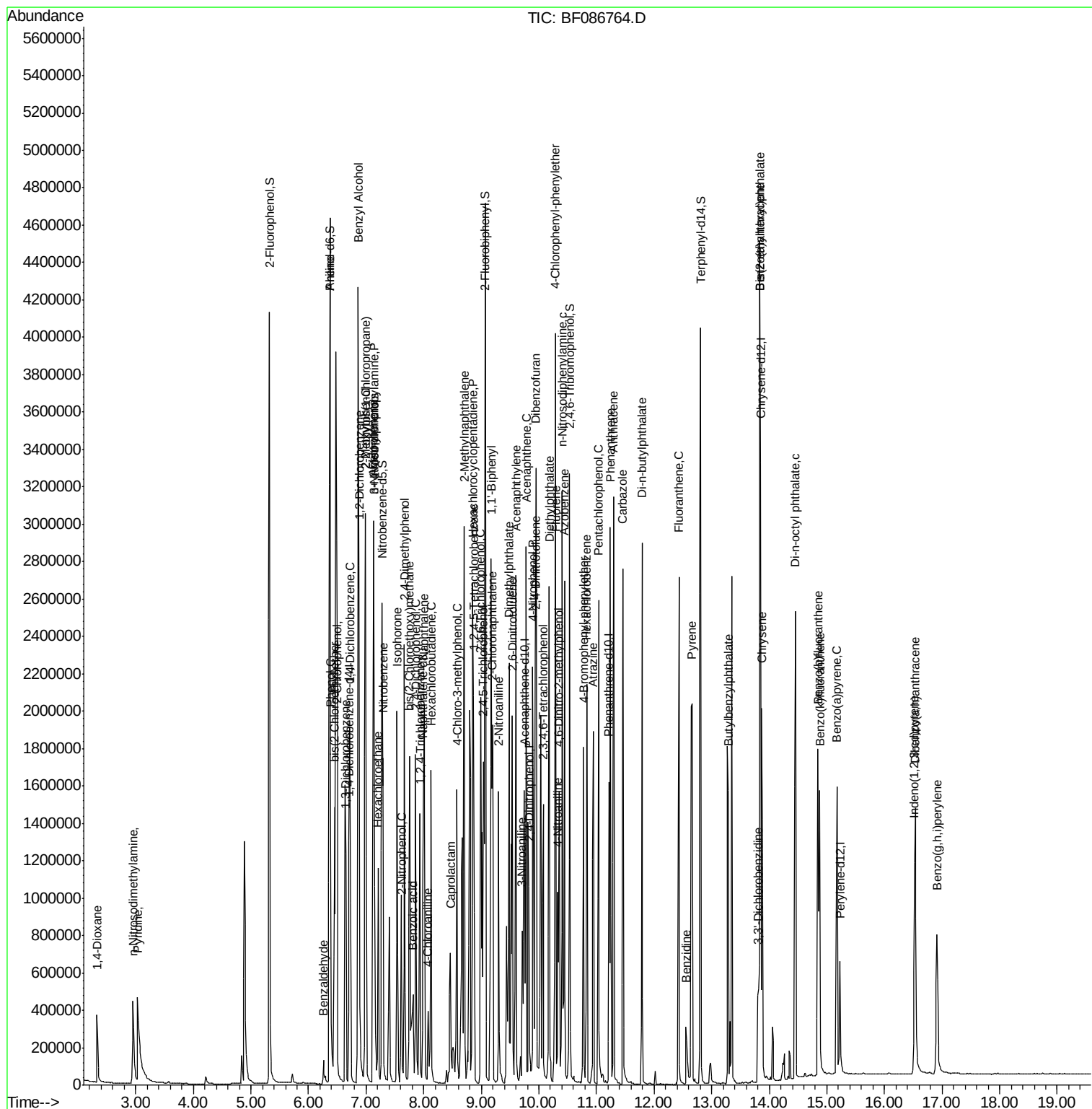
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Operator  : UM/SJ  
Sample    : PB90333BSD  
Misc      :  
ALS Vial  : 37 Sample Multiplier: 1
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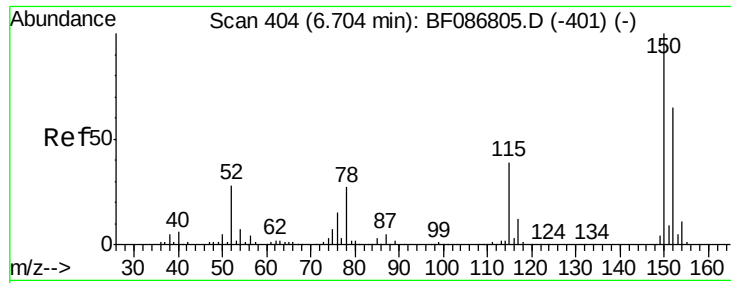
Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED

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#1

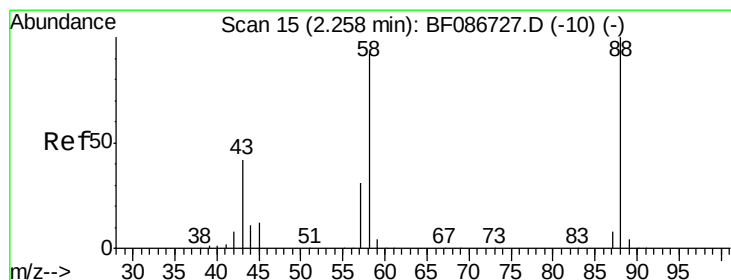
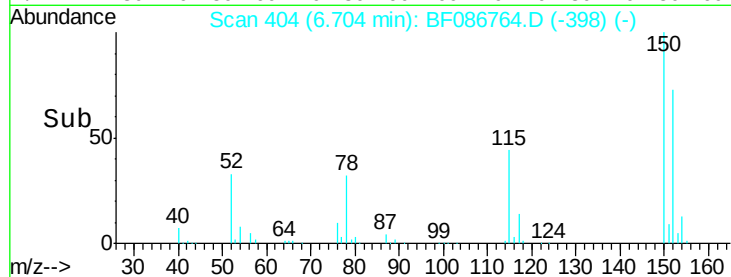
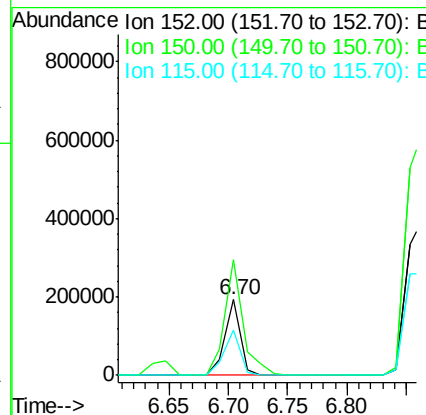
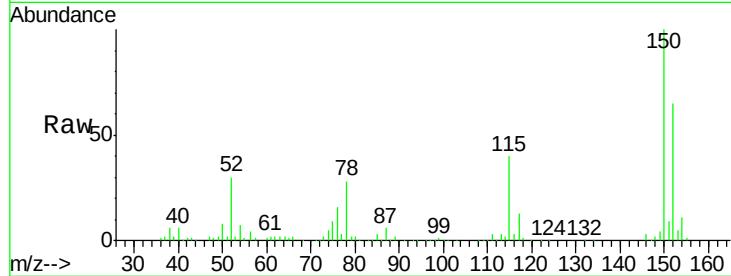
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.03 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.8	188.6
115	60.8	51.5	77.3

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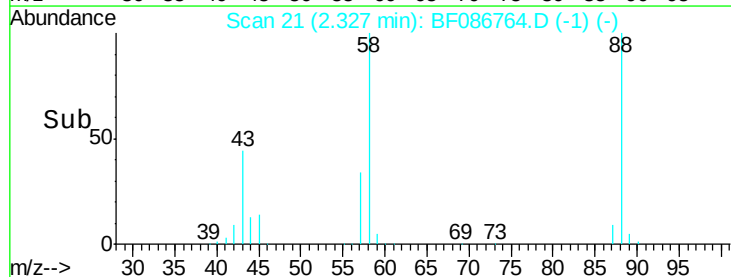
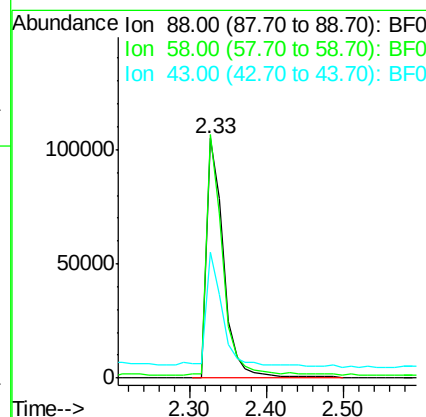
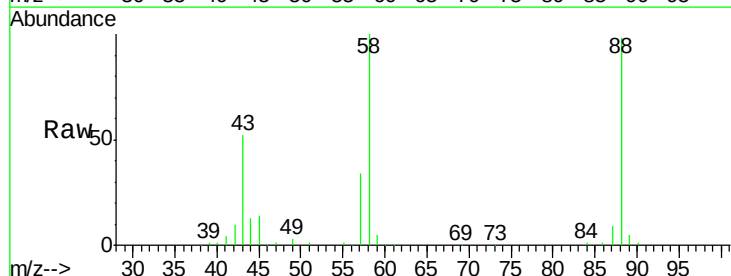
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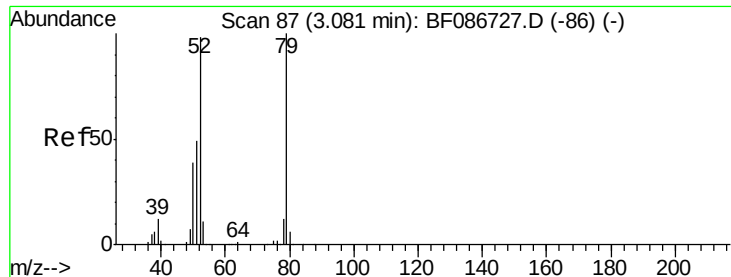


#2

1,4-Dioxane
Concen: 29.61 ng
RT: 2.33 min Scan# 21
Delta R.T. 0.07 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	92.7	59.6	89.4#
43	42.1	21.8	32.6#





#3

Pyridine

Concen: 28.69 ng

RT: 3.04 min Scan# 83

Delta R.T. 0.10 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Instrument :

BNA_F

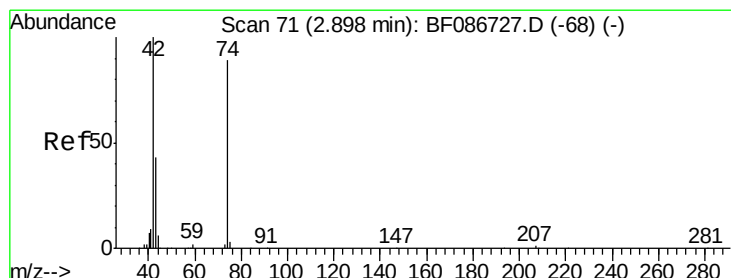
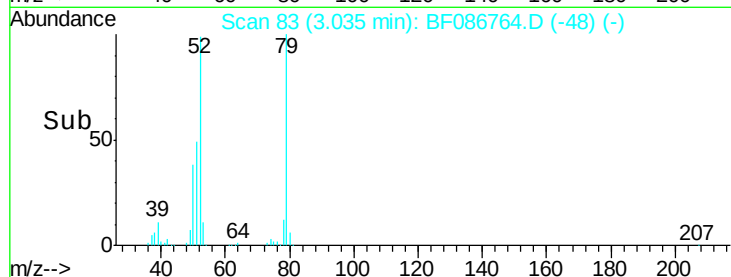
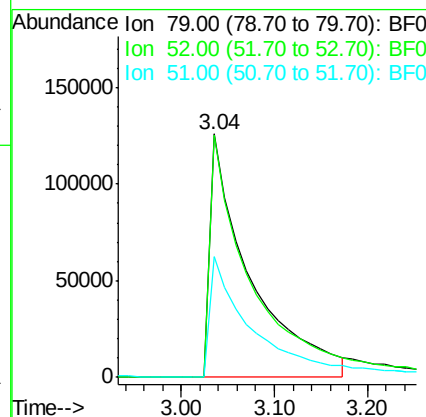
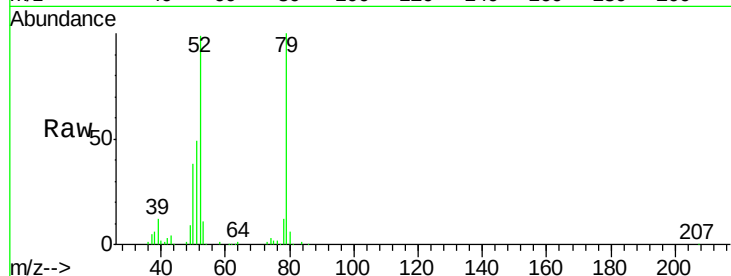
ClientSampleId :

PB90333BSD

Tgt Ion:	79	Resp:	378531
Ion Ratio	Lower	Upper	
79	100		
52	99.3	55.9	83.9#
51	49.3	28.1	42.1#

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#4

n-Nitrosodimethylamine

Concen: 39.02 ng

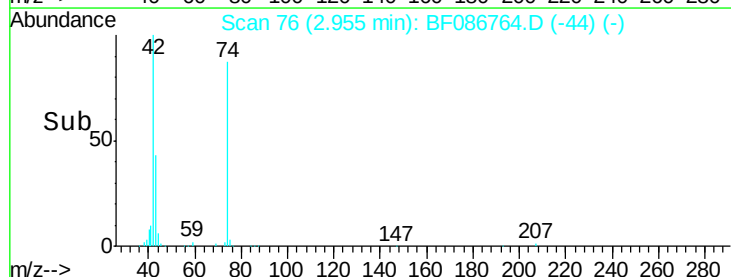
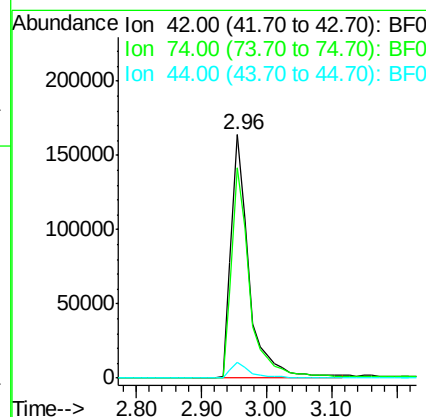
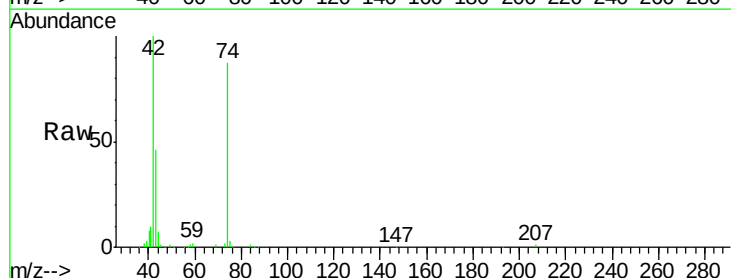
RT: 2.96 min Scan# 76

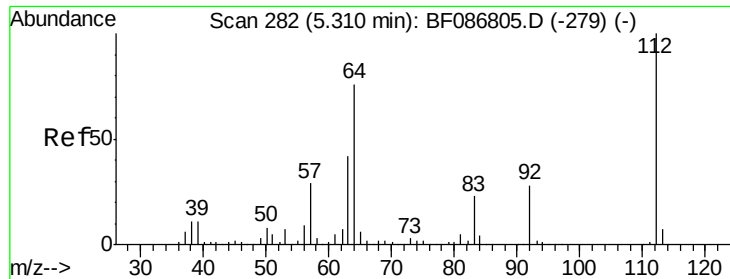
Delta R.T. 0.07 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Tgt Ion:	42	Resp:	312278
Ion Ratio	Lower	Upper	
42	100		
74	86.5	123.4	185.0#
44	6.6	5.8	8.6





#5

2-Fluorophenol

Concen: 117.92 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086764.D

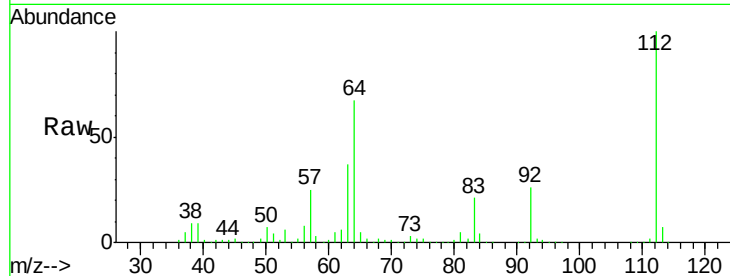
Acq: 7 May 2016 10:27

Instrument :

BNA_F

ClientSampleId :

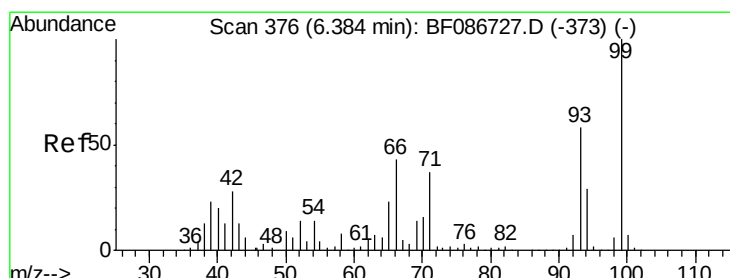
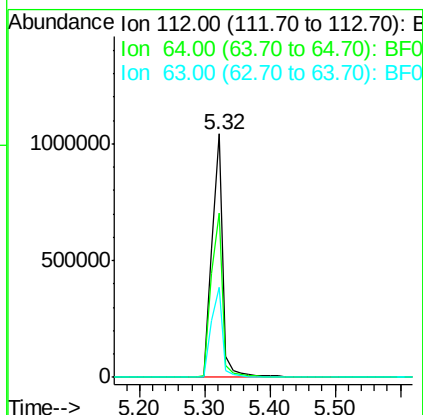
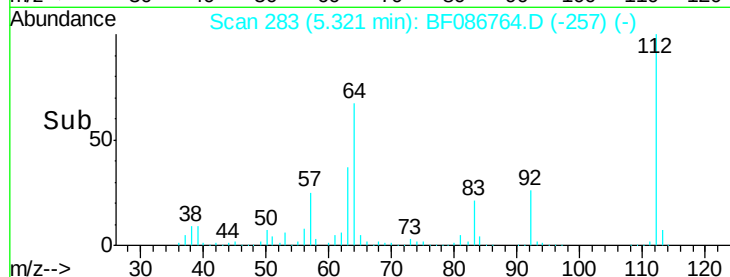
PB90333BSD



Tgt Ion:	112	Resp:	1227532
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

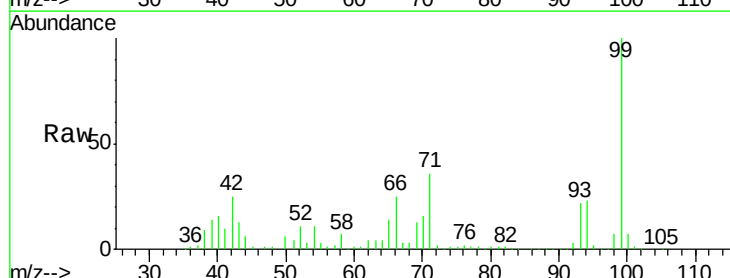
Concen: 20.79 ng

RT: 6.37 min Scan# 375

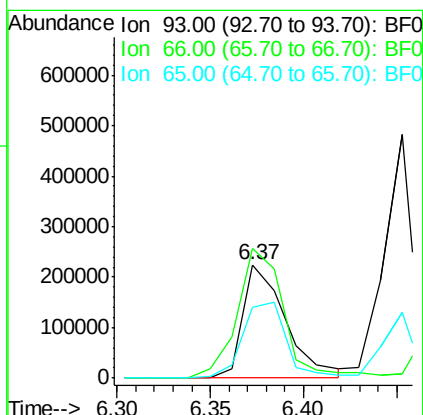
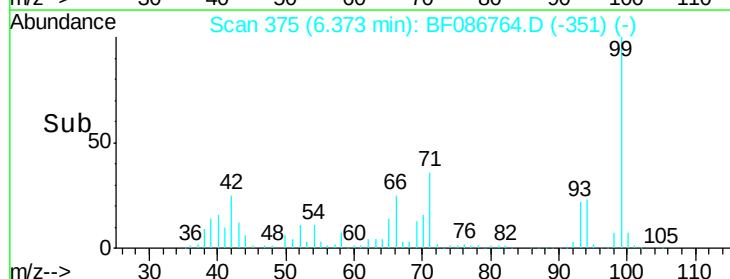
Delta R.T. -0.02 min

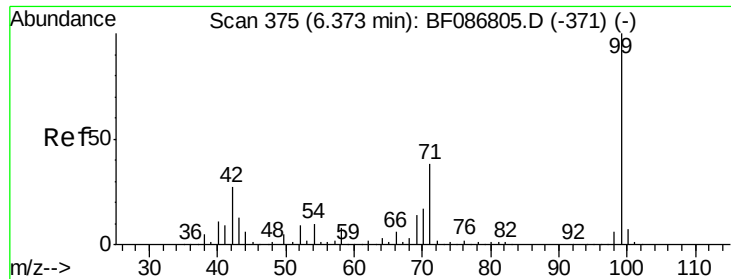
Lab File: BF086764.D

Acq: 7 May 2016 10:27



Tgt Ion:	93	Resp:	359879
Ion	Ratio	Lower	Upper
93	100		
66	114.3	39.0	58.6#
65	62.7	20.6	31.0#





#7

Phenol-d6

Concen: 113.31 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Instrument :

BNA_F

ClientSampleId :

PB90333BSD

Tgt Ion: 99 Resp: 1588999

Ion Ratio Lower Upper

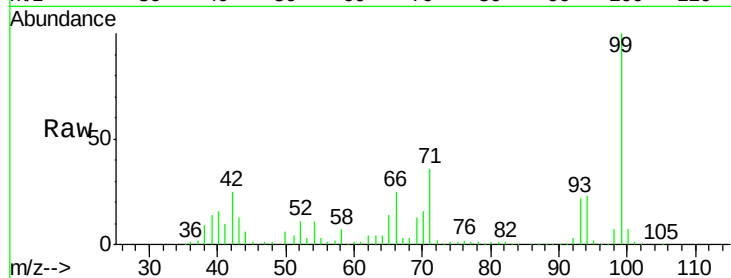
99 100

42 25.5 13.6 20.4#

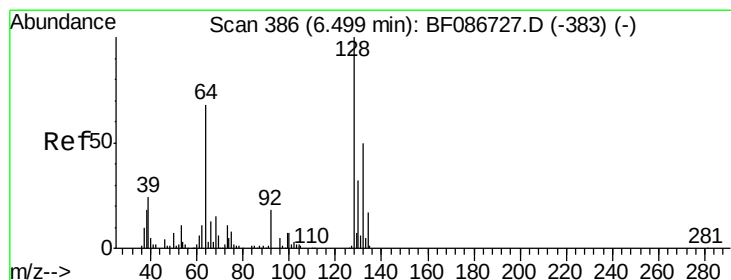
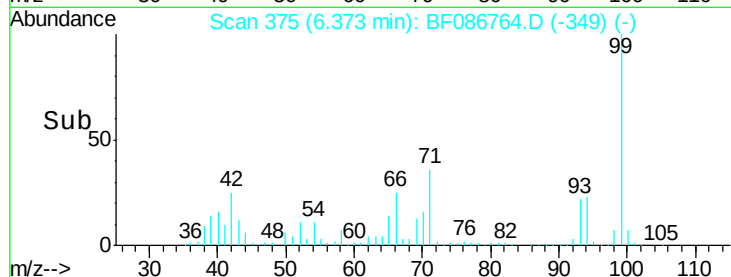
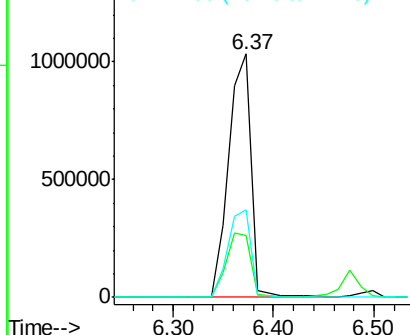
71 36.0 24.6 36.8

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 36.28 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

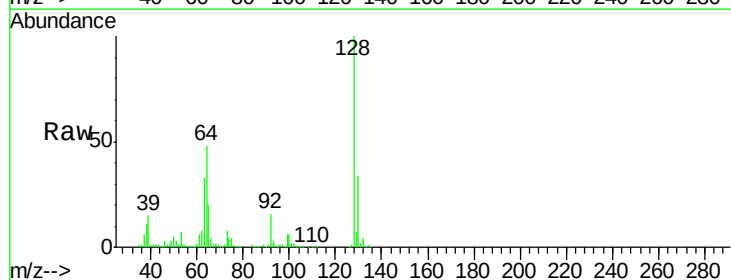
Tgt Ion: 128 Resp: 453281

Ion Ratio Lower Upper

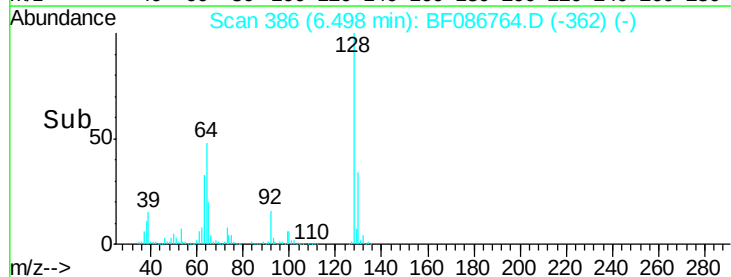
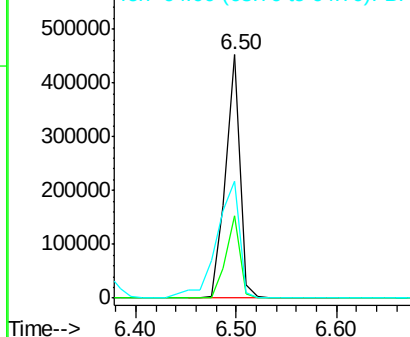
128 100

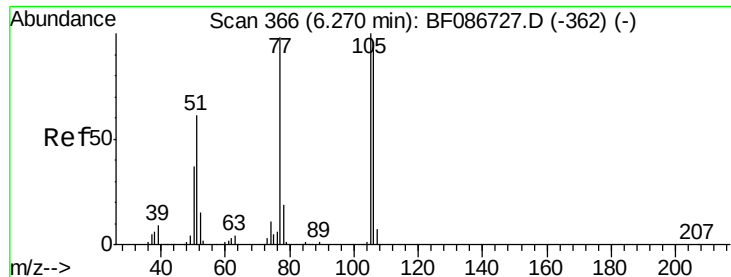
130 33.7 12.5 52.5

64 48.1 27.3 67.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 6.44 ng

RT: 6.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: BF086764.D

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Instrument :

BNA_F

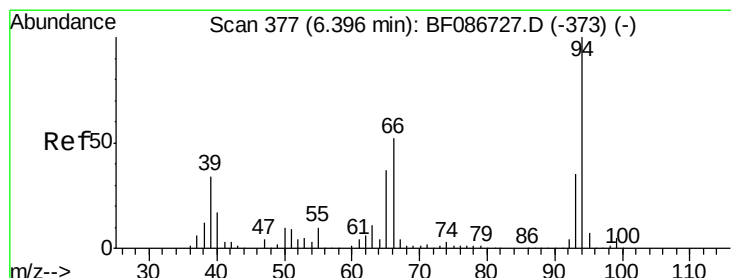
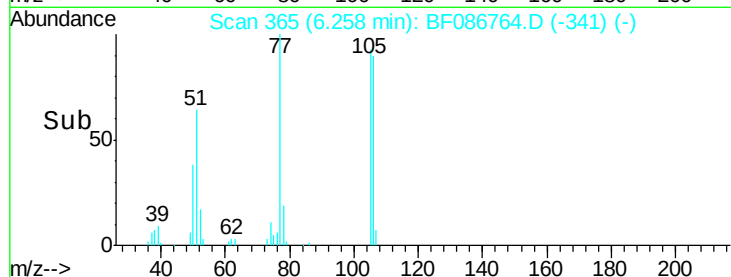
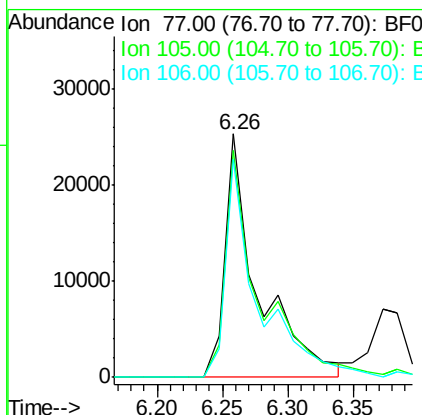
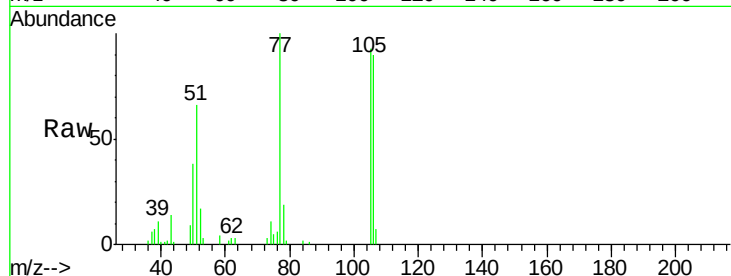
ClientSampleId :

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Tgt Ion:	77	Resp:	45043
Ion	Ratio	Lower	Upper
77	100		
105	93.2	72.7	112.7
106	89.6	70.8	110.8



#10

Phenol

Concen: 34.38 ng

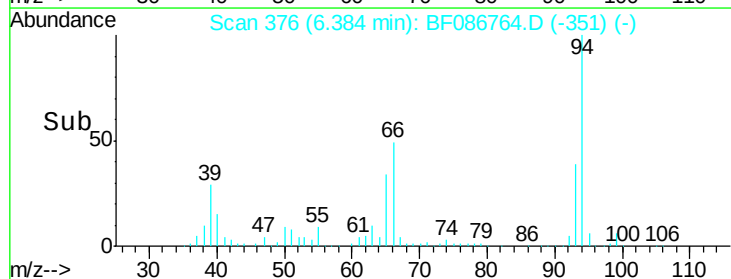
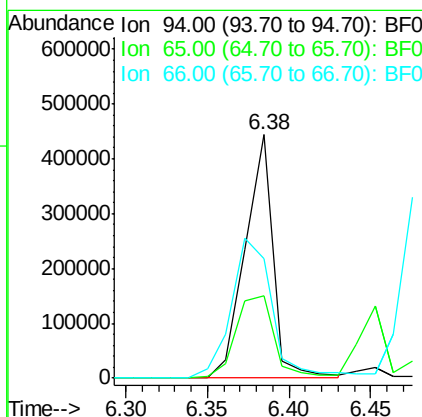
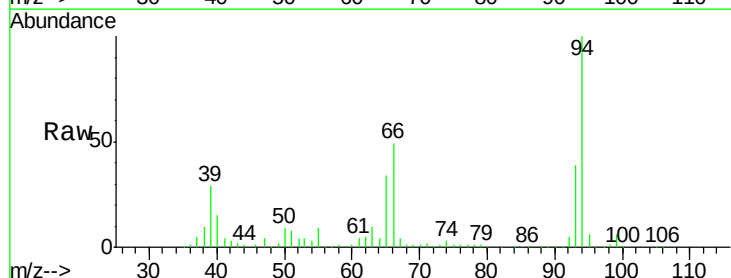
RT: 6.38 min Scan# 376

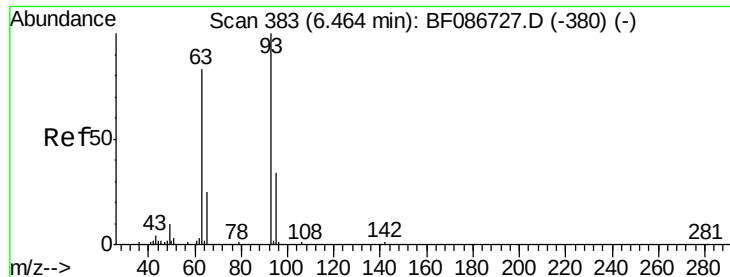
Delta R.T. -0.01 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Tgt Ion:	94	Resp:	527523
Ion	Ratio	Lower	Upper
94	100		
65	33.7	7.2	47.2
66	49.0	14.9	54.9





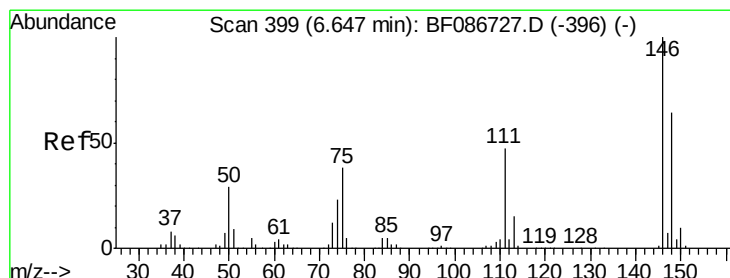
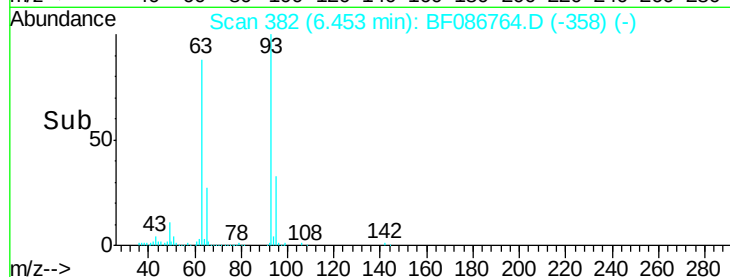
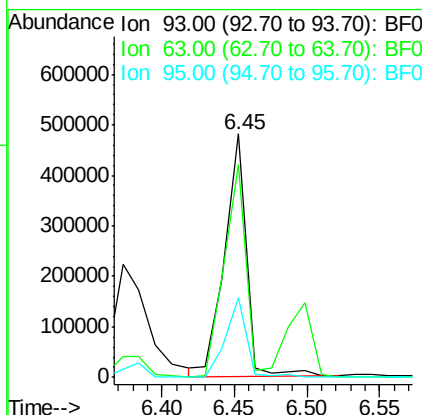
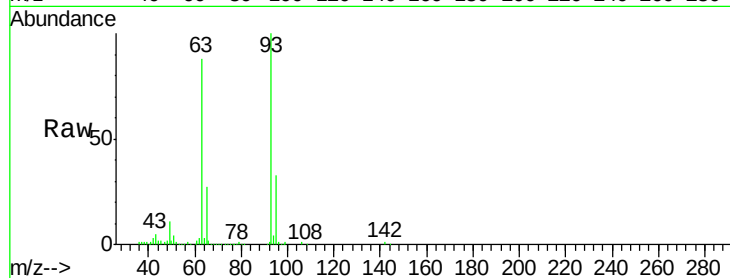
#11
bis(2-Chloroethyl)ether
Concen: 37.96 ng
RT: 6.45 min Scan# 382
Delta R.T. -0.02 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	501221		
63	87.7	58.0	98.0	
95	33.0	11.9	51.9	

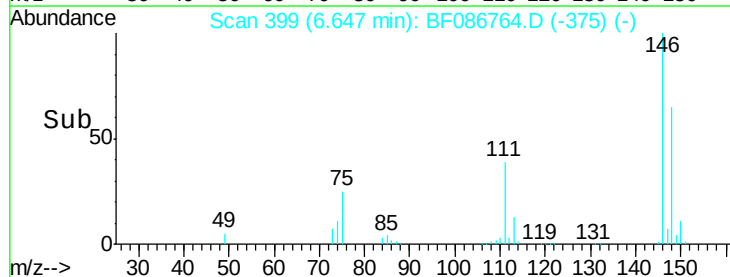
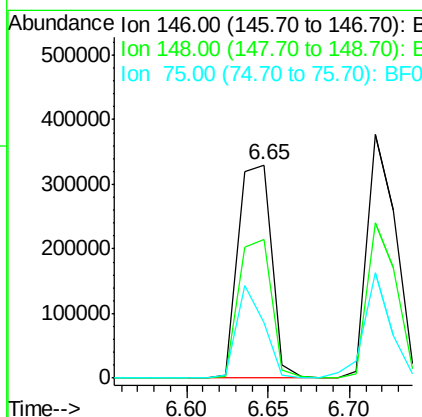
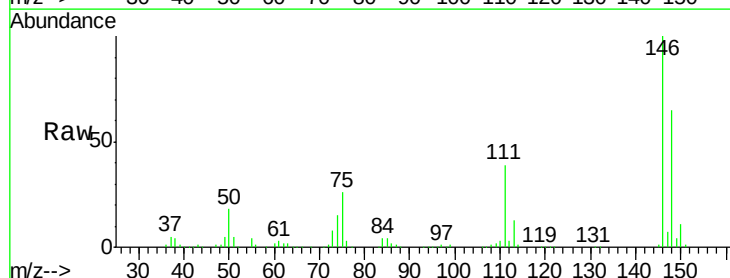
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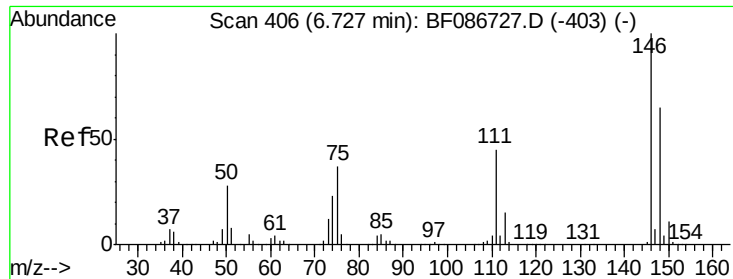
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#12
1,3-Dichlorobenzene
Concen: 35.20 ng
RT: 6.65 min Scan# 399
Delta R.T. -0.02 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	466951		
148	64.8	52.4	78.6	
75	26.3	22.8	34.2	





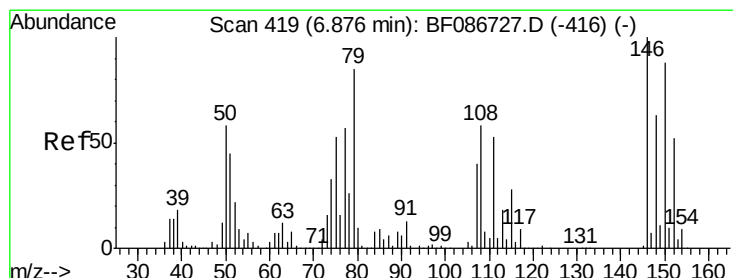
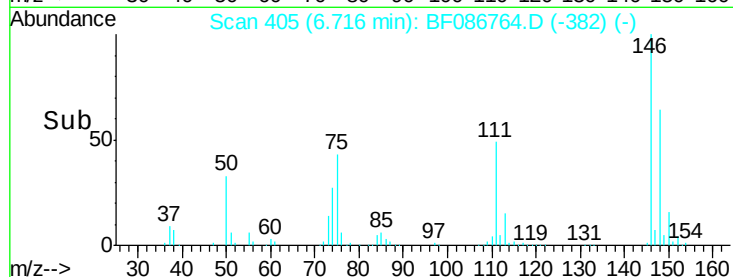
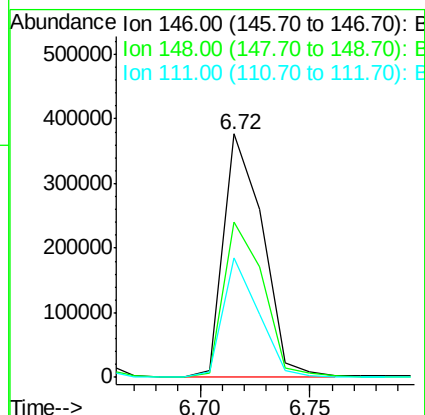
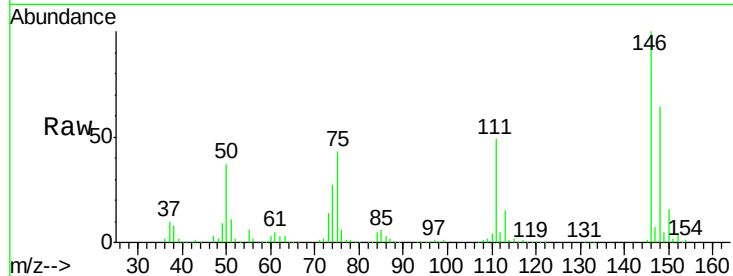
#13
 1,4-Dichlorobenzene
 Concen: 34.07 ng m
 RT: 6.72 min Scan# 405
 Delta R.T. -0.03 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	52.2	78.4
111	48.9	30.7	46.1

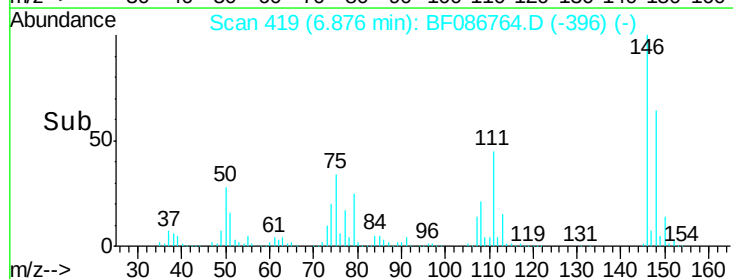
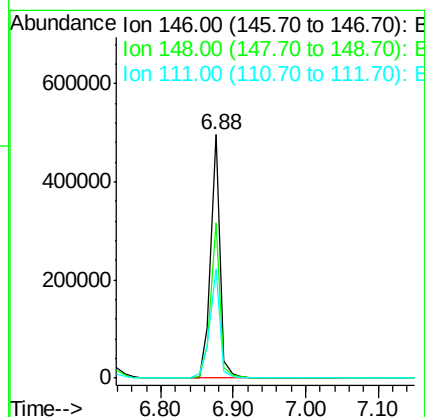
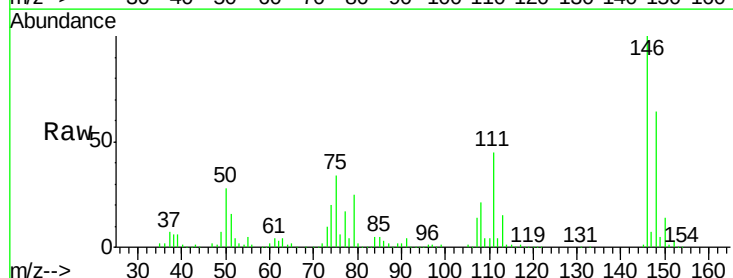
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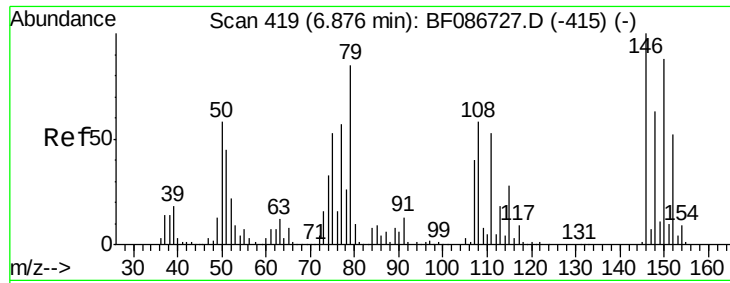
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#14
 1,2-Dichlorobenzene
 Concen: 37.60 ng
 RT: 6.88 min Scan# 419
 Delta R.T. -0.03 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.6
111	44.6	36.2	54.4





#15

Benzyl Alcohol

Concen: 41.62 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Instrument :

BNA_F

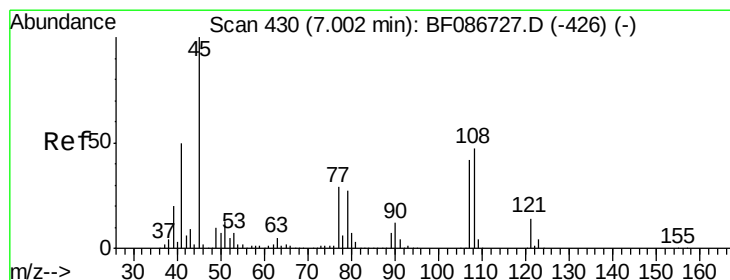
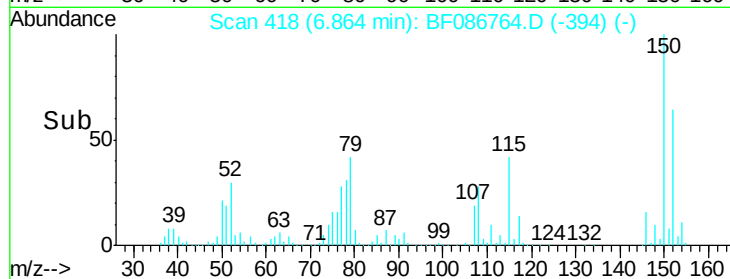
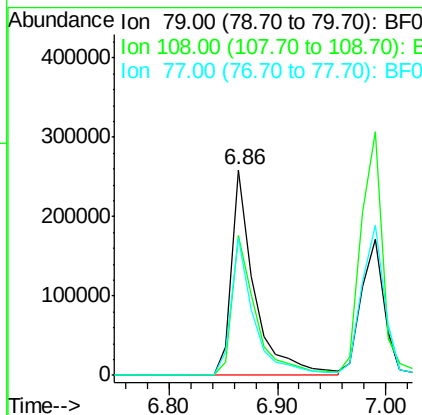
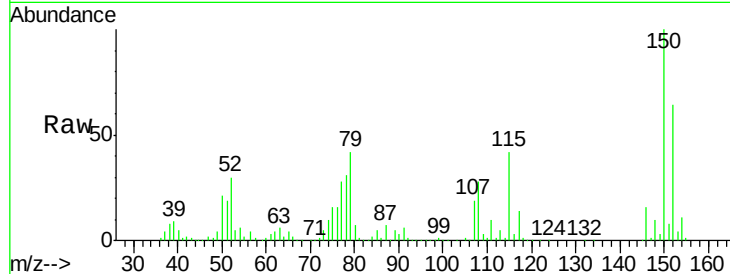
ClientSampleId :

PB90333BSD

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Tgt Ion	Ratio	Lower	Upper
79	100		
108	68.0	68.4	102.6#
77	67.1	50.6	76.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.17 ng

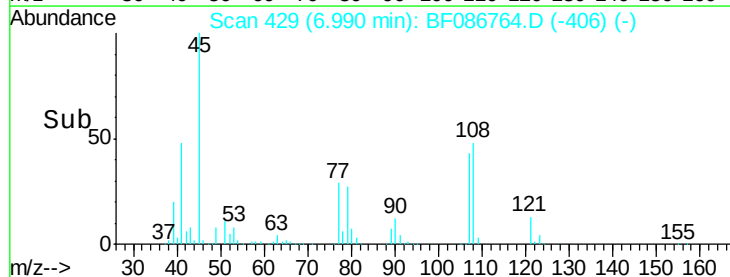
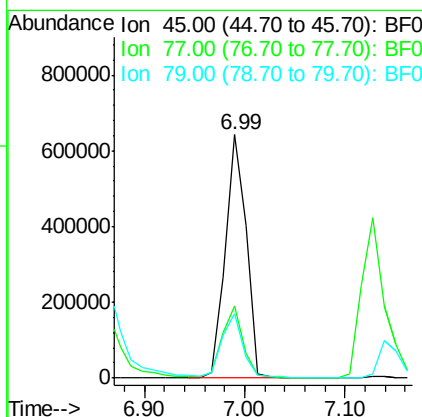
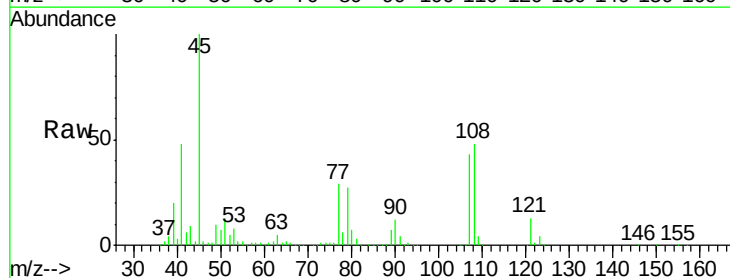
RT: 6.99 min Scan# 429

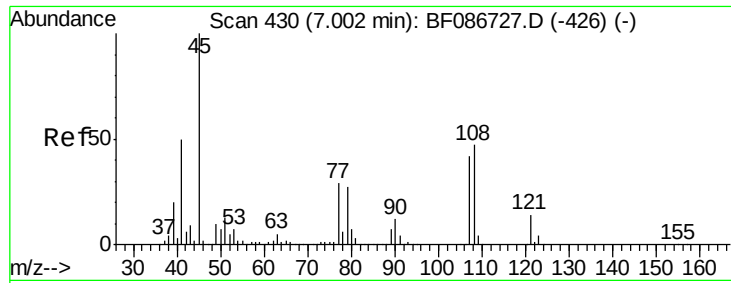
Delta R.T. -0.03 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Lower	Upper
45	100		
77	29.4	0.0	36.4
79	26.6	0.0	33.4





#17

2-Methylphenol

Concen: 36.99 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Instrument :

BNA_F

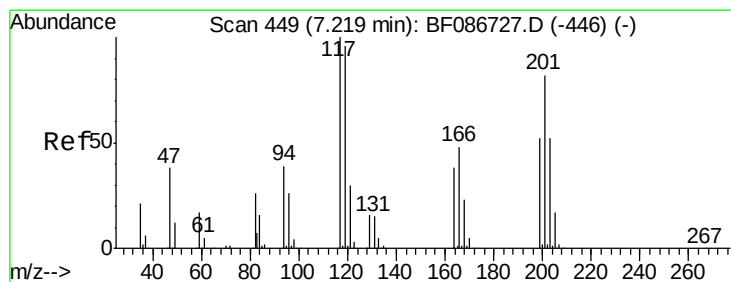
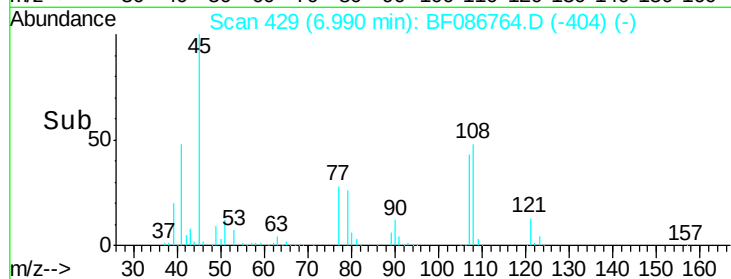
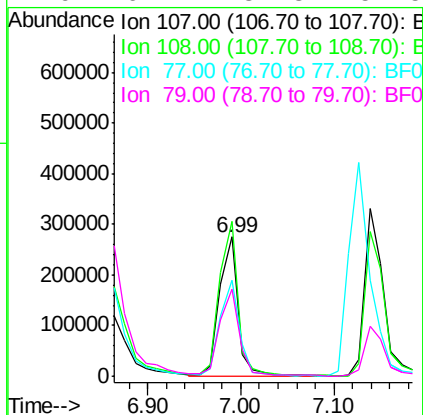
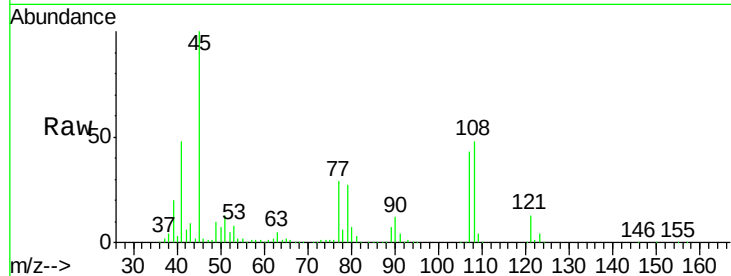
ClientSampleId :

PB90333BSD

Tgt Ion:	107	Resp:	372058
Ion Ratio	Lower	Upper	
107	100		
108	111.6	93.7	140.5
77	68.7	33.4	50.0#
79	62.1	34.3	51.5#

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#18

Hexachloroethane

Concen: 36.08 ng

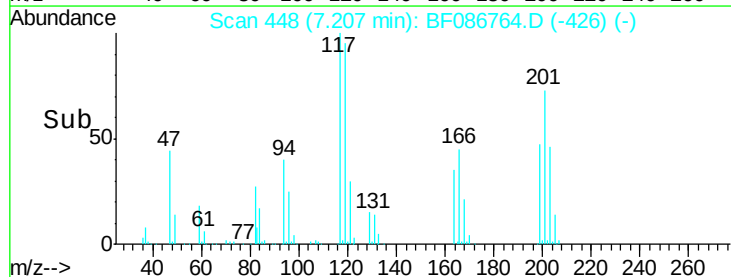
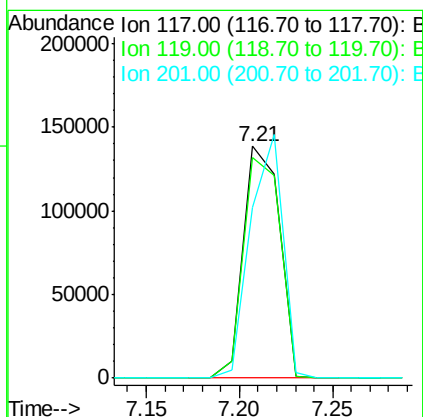
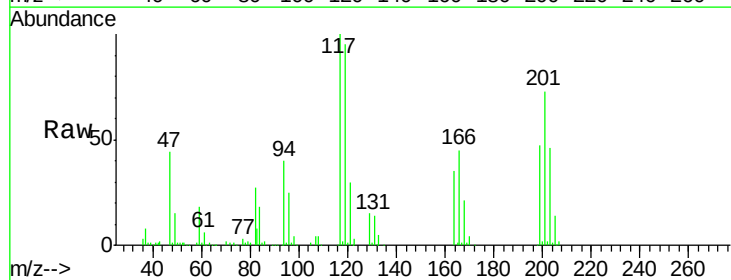
RT: 7.21 min Scan# 448

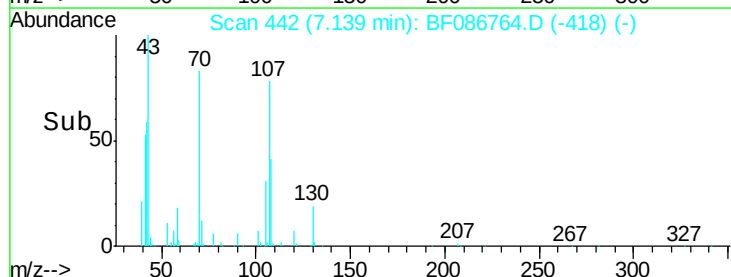
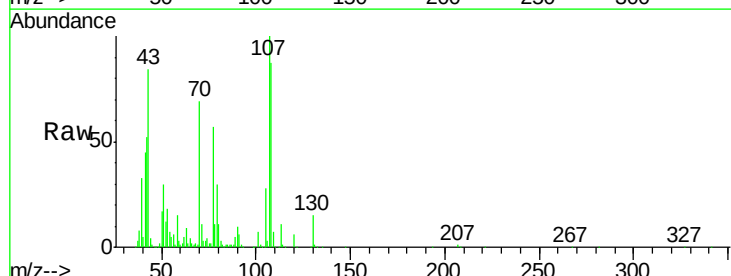
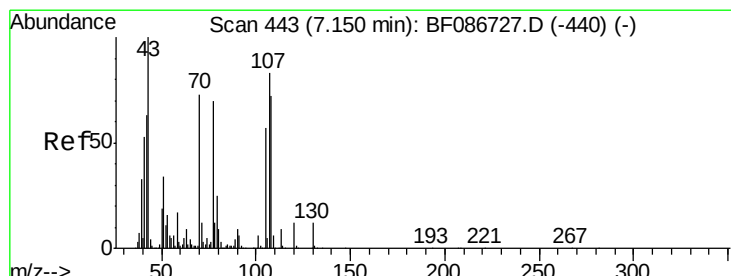
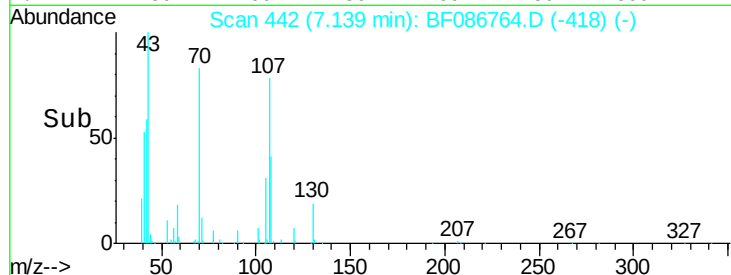
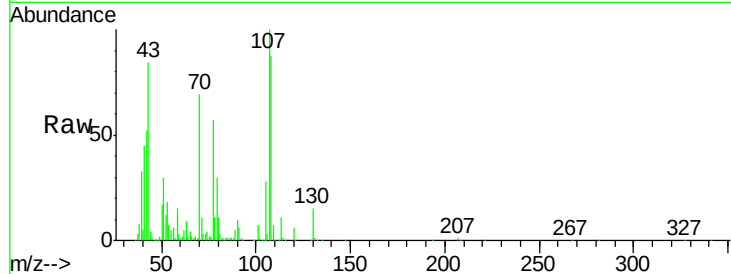
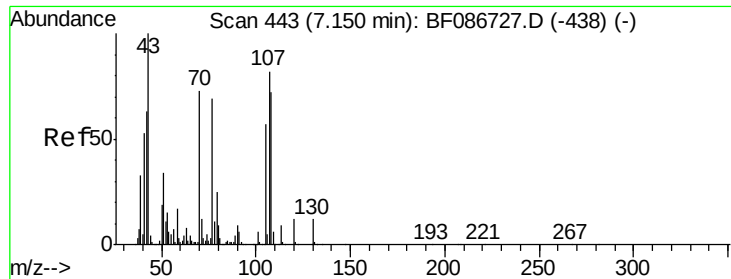
Delta R.T. -0.05 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Tgt Ion:	117	Resp:	186825
Ion Ratio	Lower	Upper	
117	100		
119	94.9	76.5	114.7
201	73.4	63.0	94.6

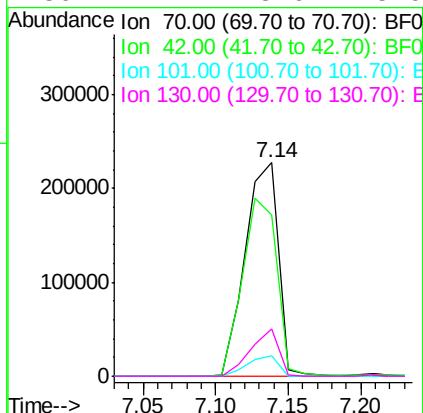




#19
n-Nitroso-di-n-propylamine
Concen: 37.72 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.02 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

Tgt Ion	Ratio	Resp Lower	Upper
70	100		
42	75.6	43.1	64.7#
101	9.8	8.1	12.1
130	22.1	18.6	28.0

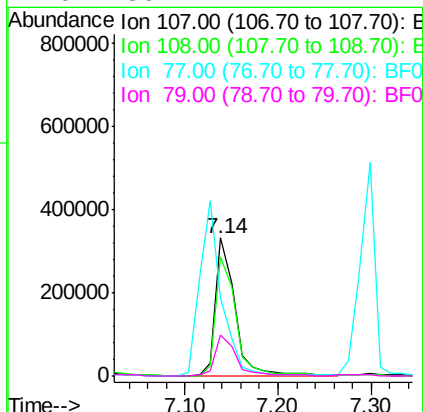


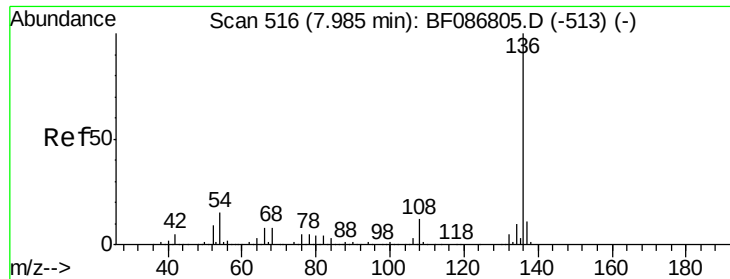
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#20
3+4-Methylphenols
Concen: 40.36 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.02 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp Lower	Upper
107	100		
108	86.6	68.5	108.5
77	57.1	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: BF086764.D

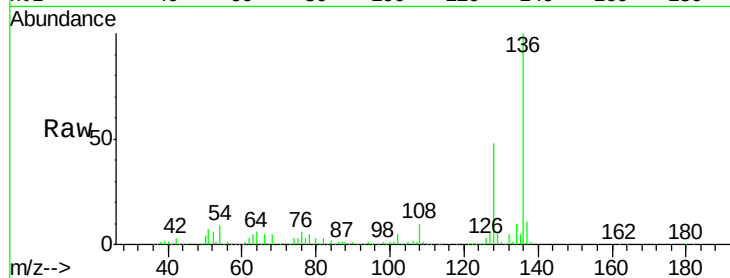
Acq: 7 May 2016 10:27

Instrument :

BNA_F

ClientSampleId :

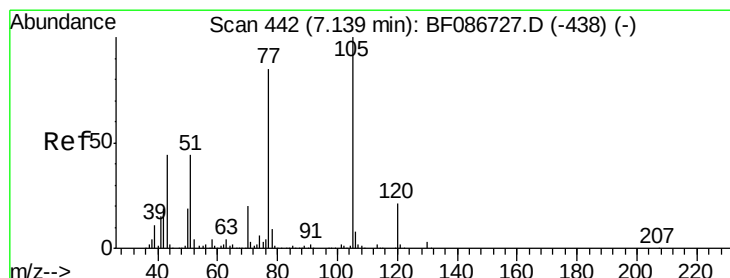
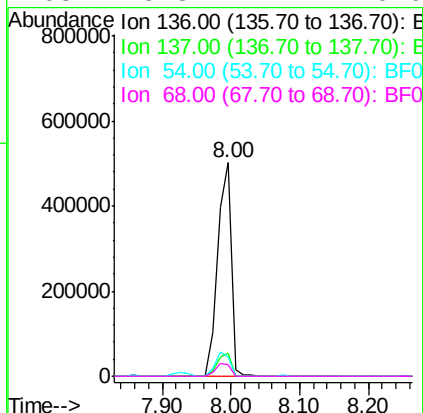
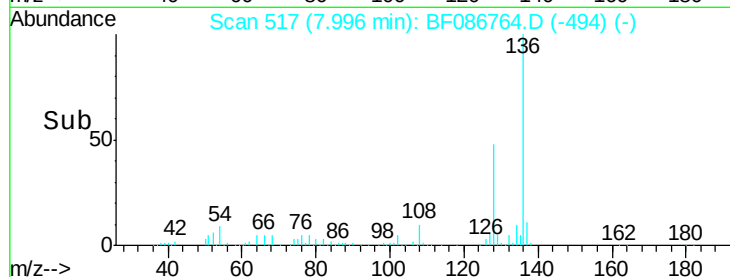
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Tgt Ion	Ratio	Resp	Lower	Upper
136	100	706000		
137	10.5	8.8	13.2	
54	9.2	5.0	7.4#	
68	5.3	4.4	6.6	

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#22

Acetophenone

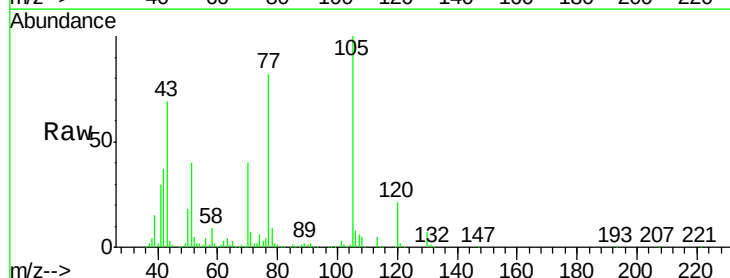
Concen: 39.29 ng

RT: 7.13 min Scan# 441

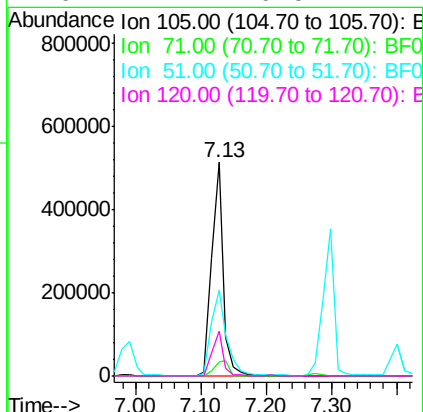
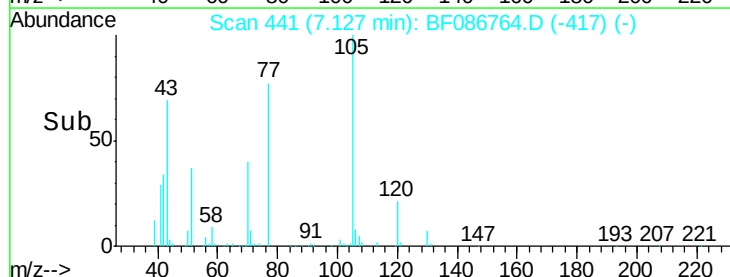
Delta R.T. -0.02 min

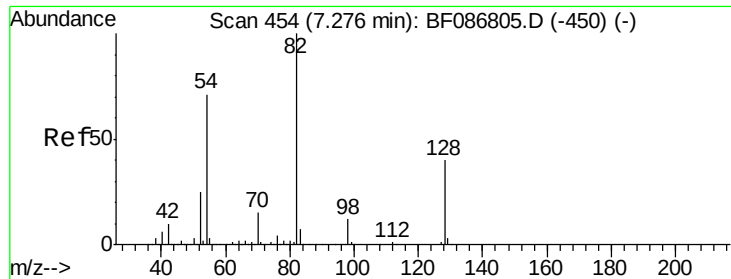
Lab File: BF086764.D

Acq: 7 May 2016 10:27



Tgt Ion	Ratio	Resp	Lower	Upper
105	100	646388		
71	6.8	4.8	7.2	
51	40.2	32.6	49.0	
120	21.2	16.5	24.7	





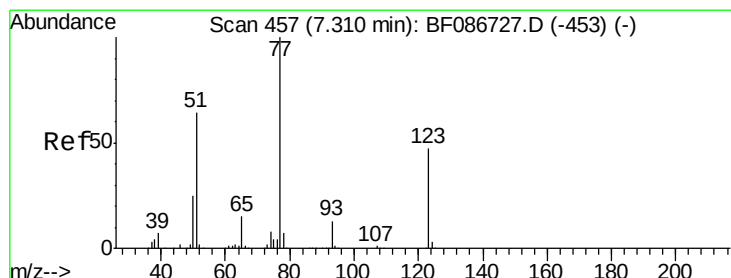
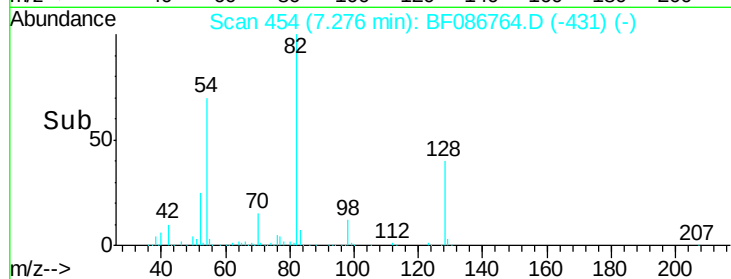
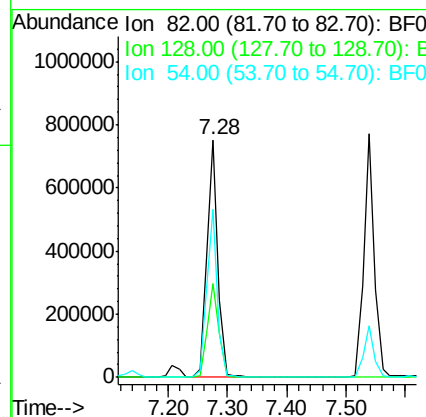
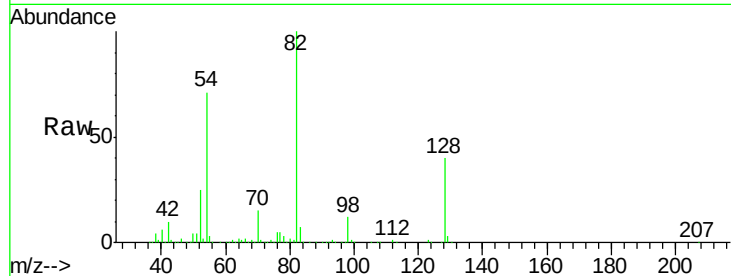
#23
Nitrobenzene-d5
Concen: 71.93 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.03 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	39.6	40.6	61.0#
54	70.6	38.1	57.1#

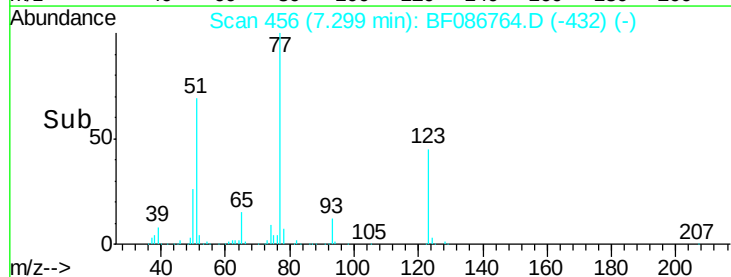
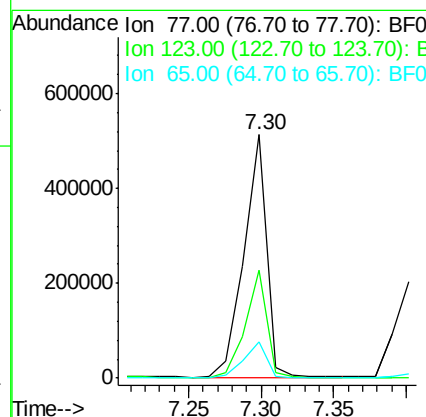
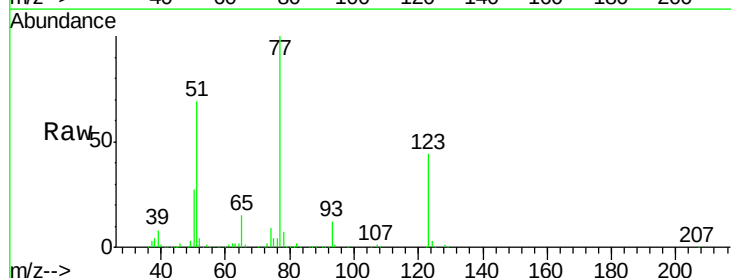
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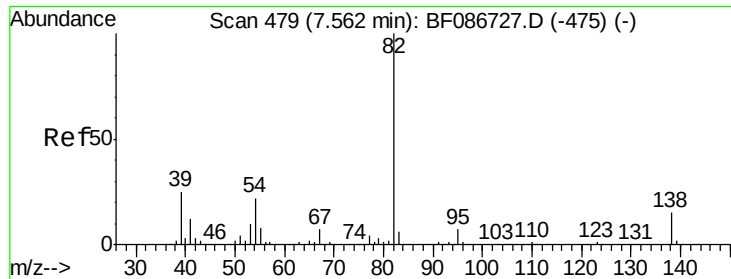
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#24
Nitrobenzene
Concen: 39.27 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp Lower	Upper
77	100		
123	44.4	33.0	49.4
65	14.7	10.8	16.2





#25

Isophorone

Concen: 36.88 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.03 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Instrument :

BNA_F

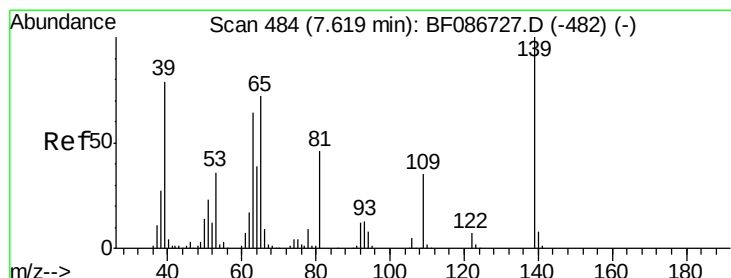
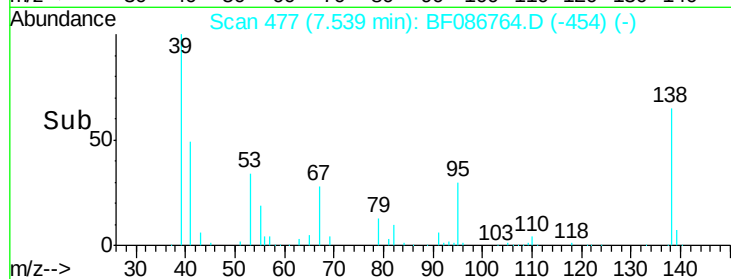
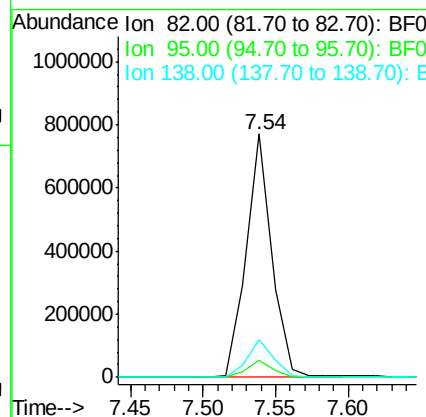
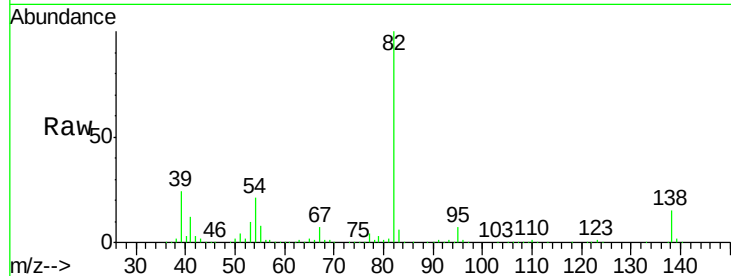
ClientSampled :

PB90333BSD

Tgt Ion:	82	Resp:	943635
Ion Ratio	Lower	Upper	
82	100		
95	7.1	5.1	7.7
138	15.3	12.4	18.6

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#26

2-Nitrophenol

Concen: 37.59 ng

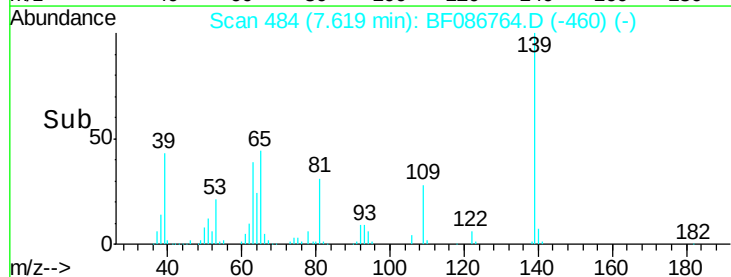
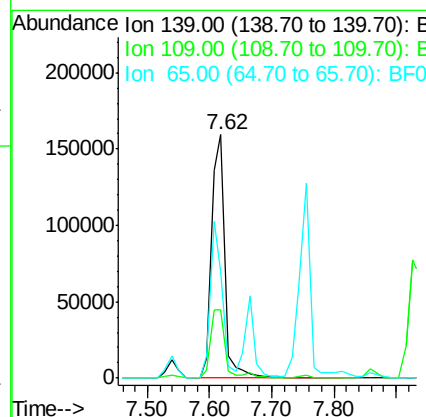
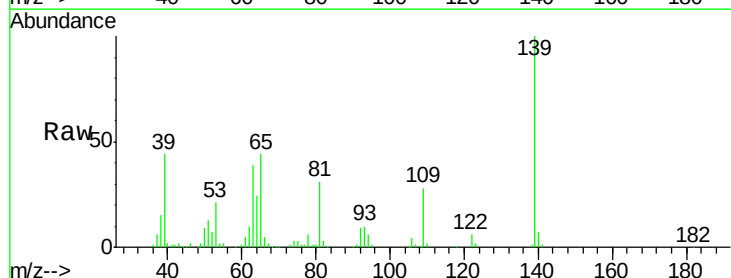
RT: 7.62 min Scan# 484

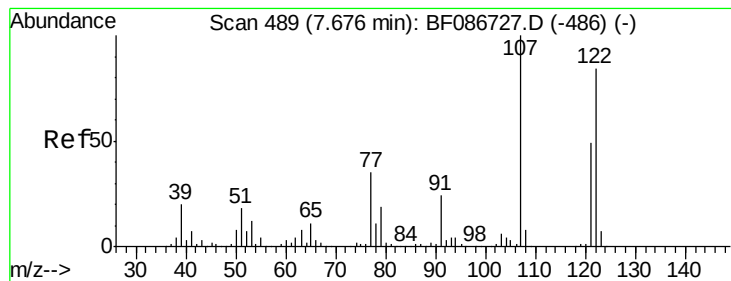
Delta R.T. -0.02 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Tgt Ion:	139	Resp:	238219
Ion Ratio	Lower	Upper	
139	100		
109	28.1	19.5	29.3
65	44.1	37.5	56.3





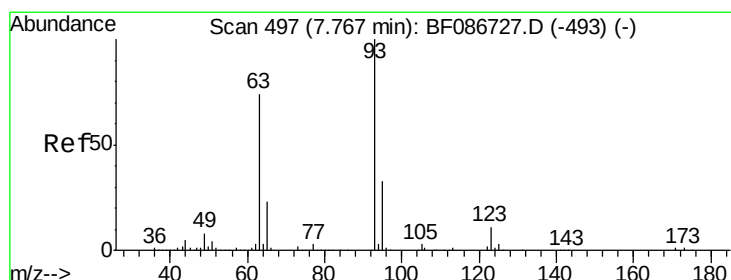
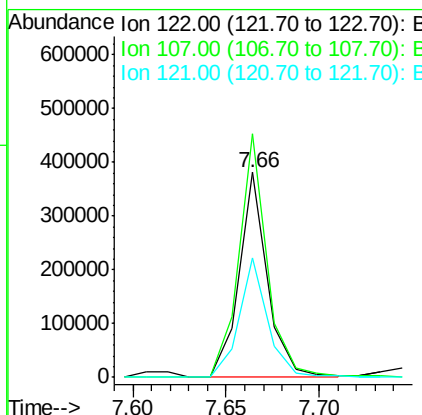
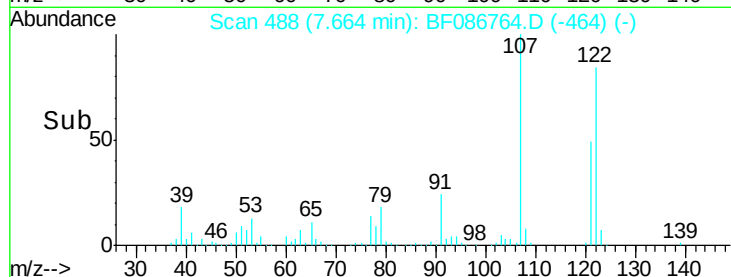
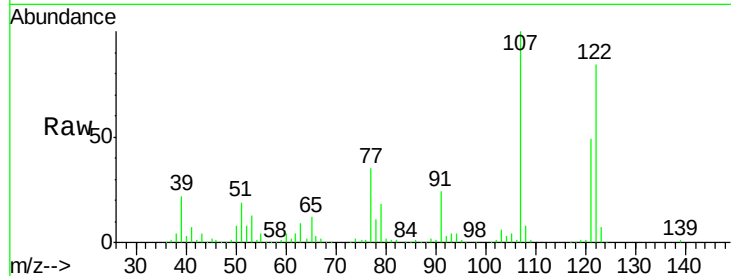
#27
 2,4-Dimethylphenol
 Concen: 36.18 ng
 RT: 7.66 min Scan# 488
 Delta R.T. -0.02 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	402657		
107	119.0	82.0	123.0	
121	58.5	46.1	69.1	

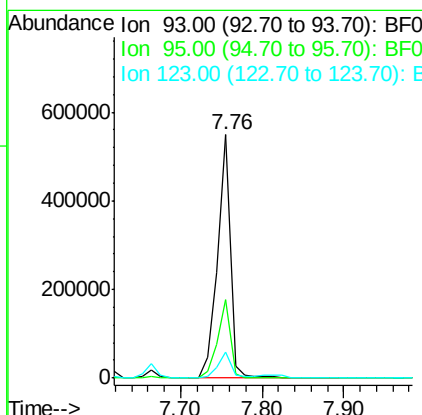
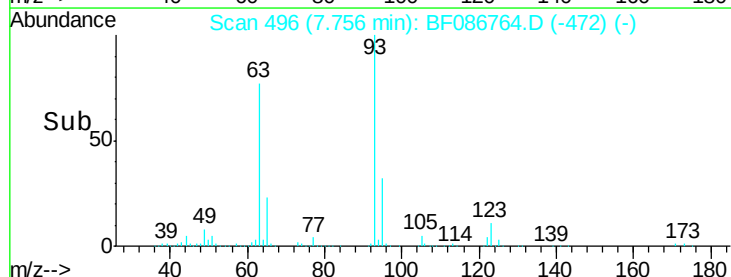
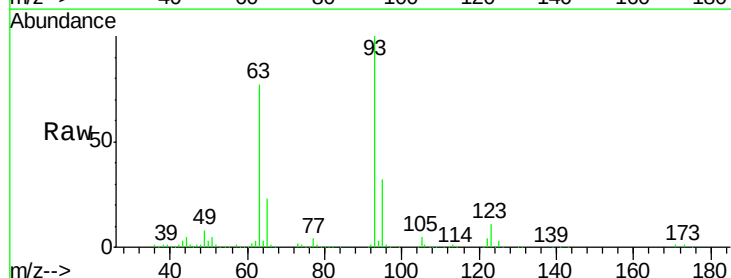
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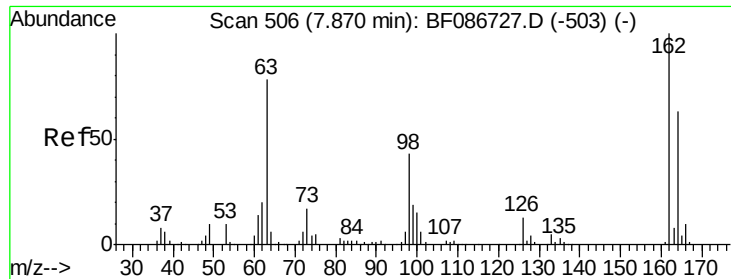
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#28
 bis(2-Chloroethoxy)methane
 Concen: 42.91 ng
 RT: 7.76 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	604190		
95	32.2	26.0	39.0	
123	10.9	9.5	14.3	





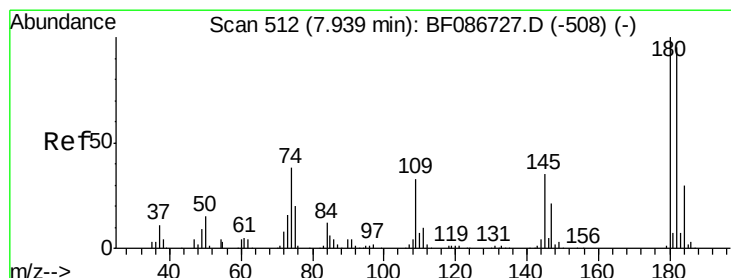
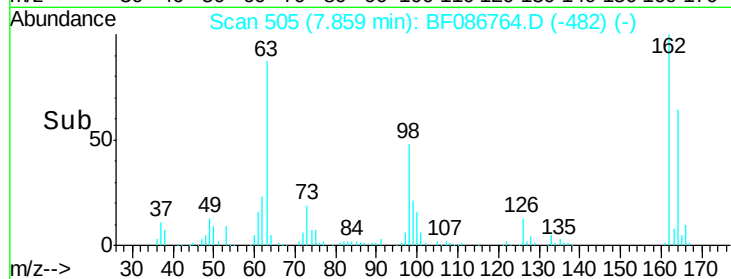
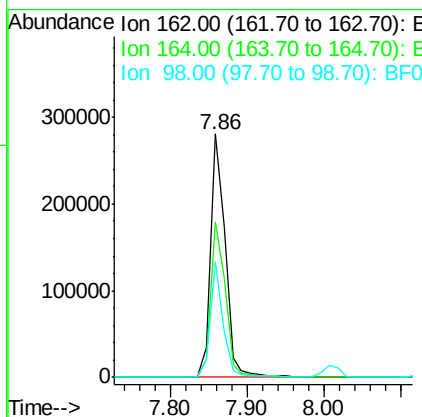
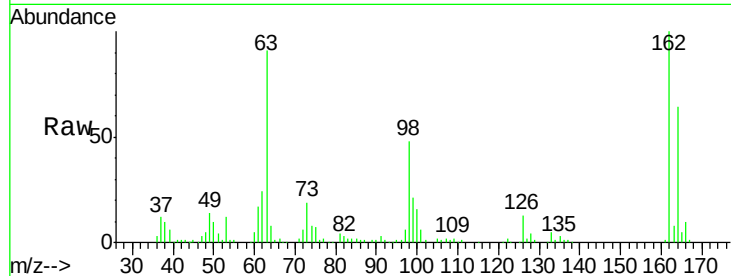
#29
 2,4-Dichlorophenol
 Concen: 38.55 ng
 RT: 7.86 min Scan# 505
 Delta R.T. -0.03 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	368839		
164	63.9	42.2	82.2	
98	47.6	19.0	59.0	

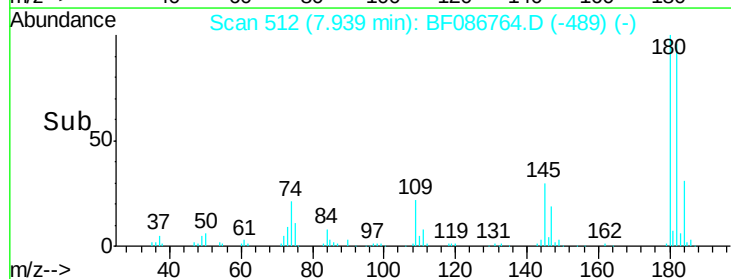
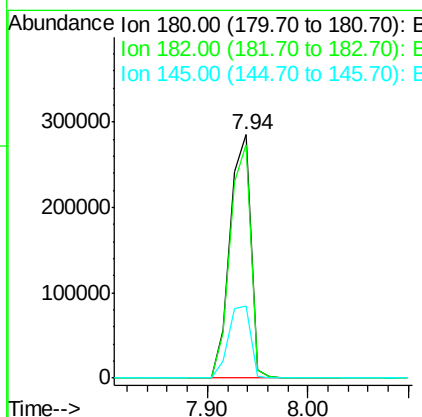
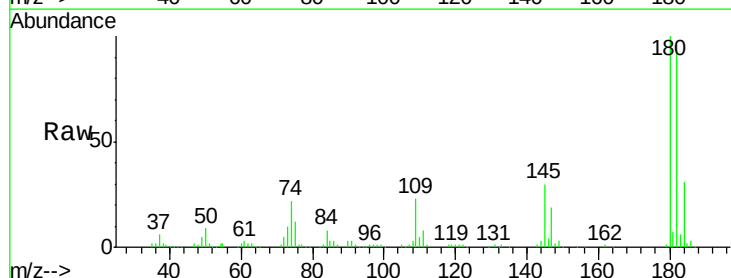
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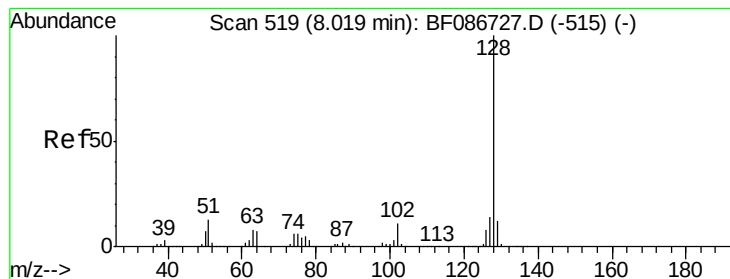
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#30
 1,2,4-Trichlorobenzene
 Concen: 38.33 ng
 RT: 7.94 min Scan# 512
 Delta R.T. -0.03 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	409175		
182	95.9	78.0	117.0	
145	29.7	24.2	36.2	





#31

Naphthalene

Concen: 36.05 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.03 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Instrument :

BNA_F

ClientSampleId :

PB90333BSD

Tgt Ion:128 Resp: 1300329

Ion Ratio Lower Upper

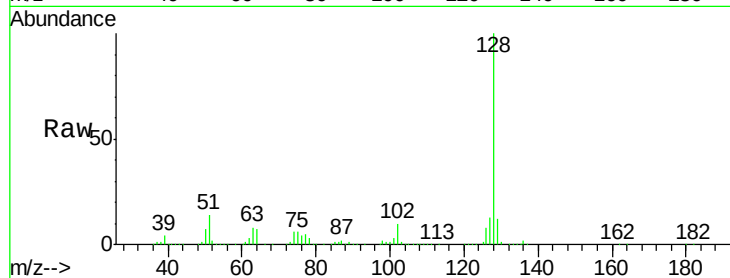
128 100

129 11.5 8.6 13.0

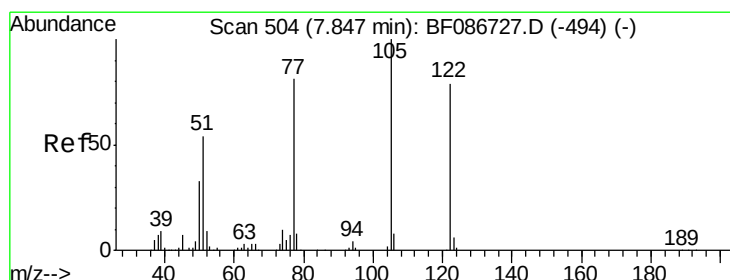
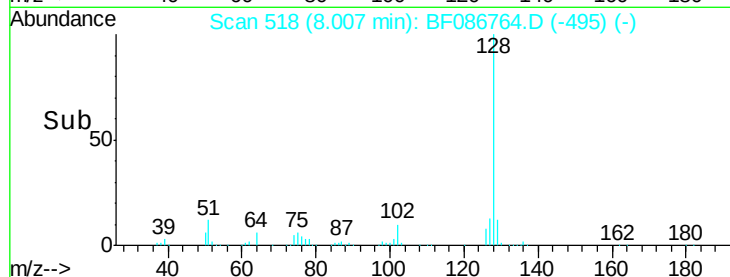
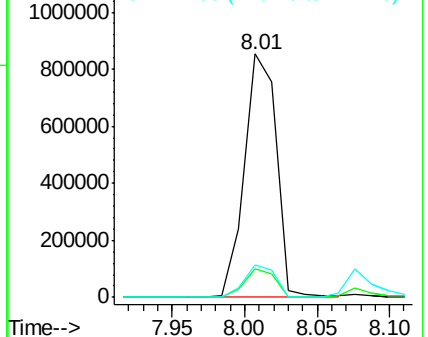
127 13.4 10.8 16.2

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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: 62.09 ng

RT: 7.81 min Scan# 501

Delta R.T. 0.01 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

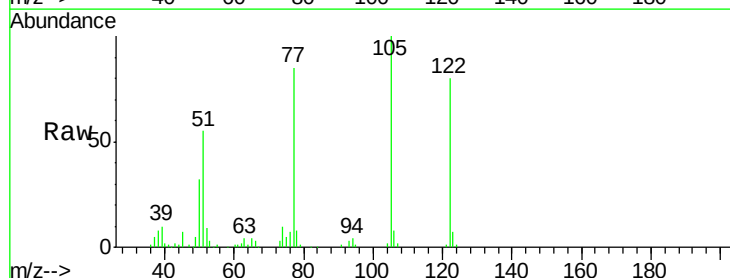
Tgt Ion:122 Resp: 282551

Ion Ratio Lower Upper

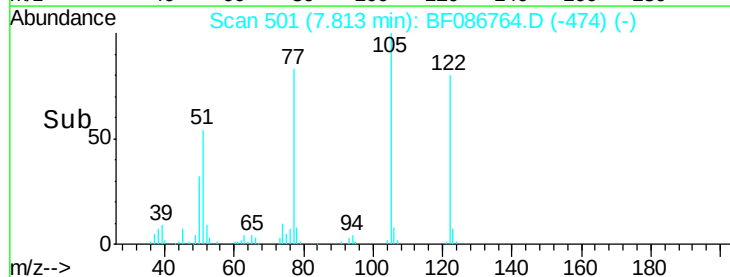
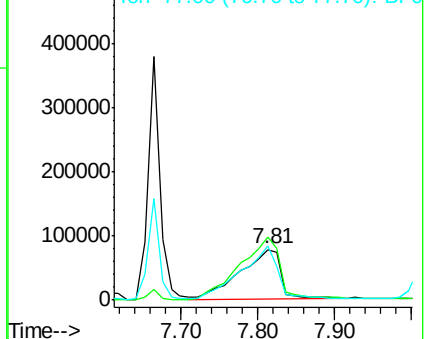
122 100

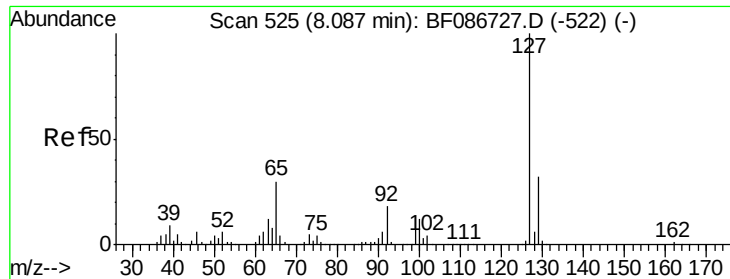
105 124.8 92.6 132.6

77 106.4 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





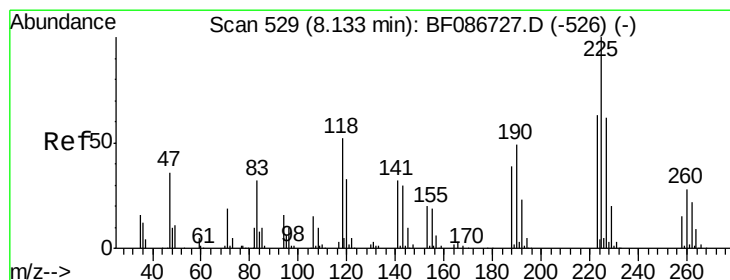
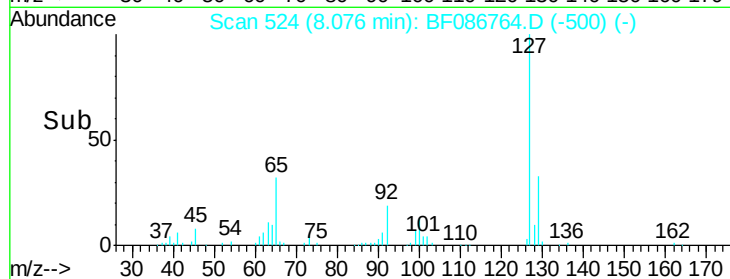
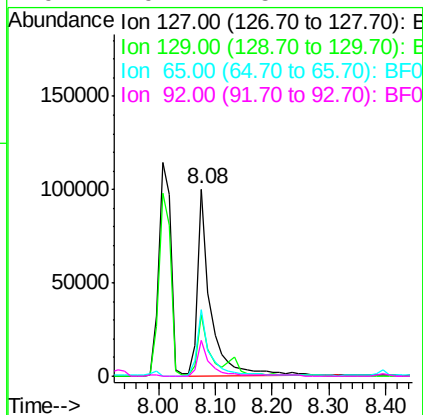
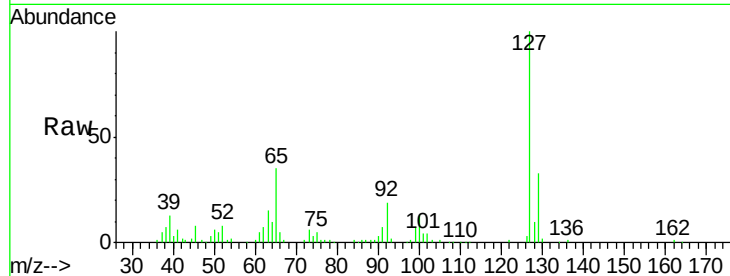
#33
4-Chloroaniline
Concen: 11.14 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.02 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	155604		
129	32.6	26.2	39.4	
65	35.3	23.0	34.4	
92	19.4	15.1	22.7	

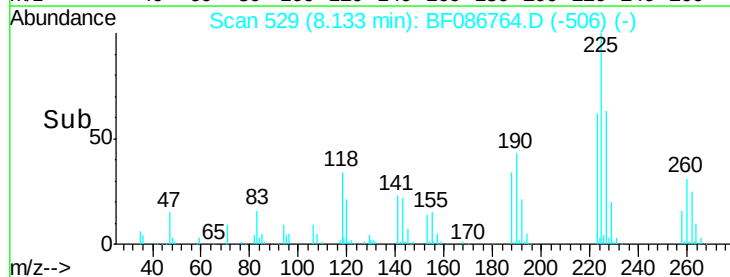
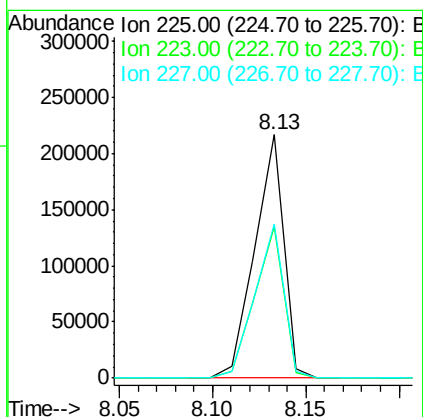
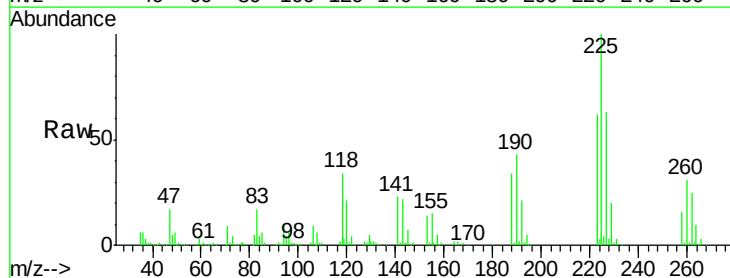
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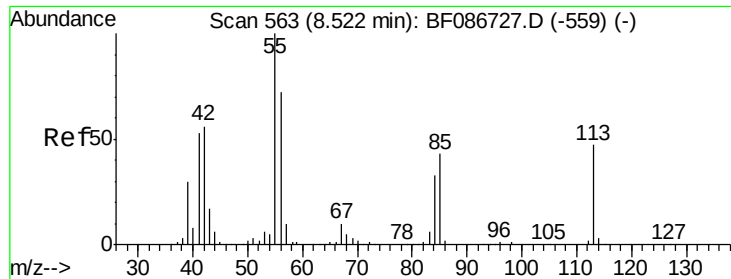
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#34
Hexachlorobutadiene
Concen: 38.52 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.03 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	233466		
223	62.2	51.5	77.3	
227	63.1	52.2	78.2	





#35

Caprolactam

Concen: 39.82 ng m

RT: 8.46 min Scan# 558

Delta R.T. -0.01 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Instrument :

BNA_F

ClientSampleId :

PB90333BSD

Tgt Ion:113 Resp: 117940
Ion Ratio Lower Upper

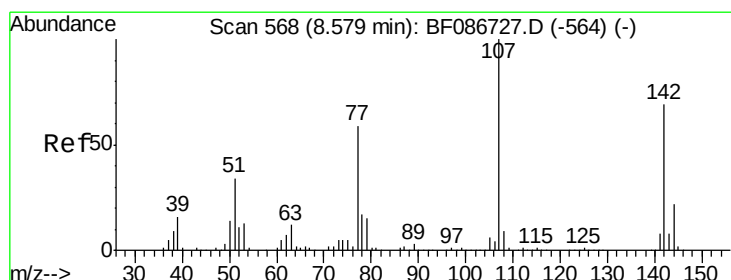
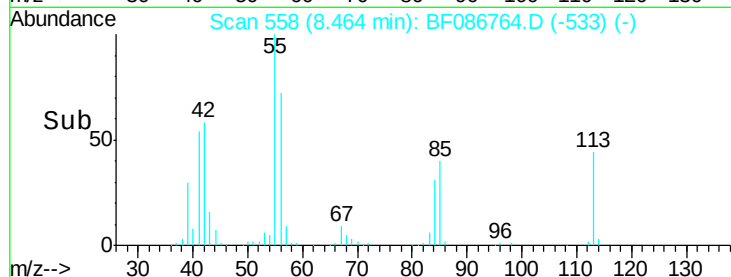
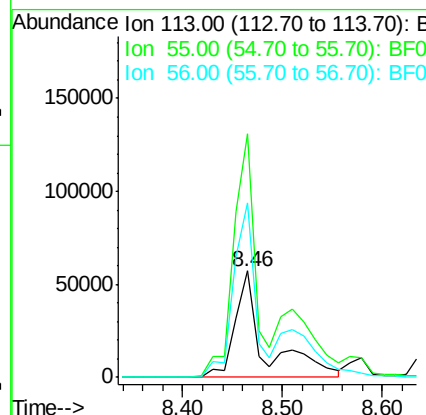
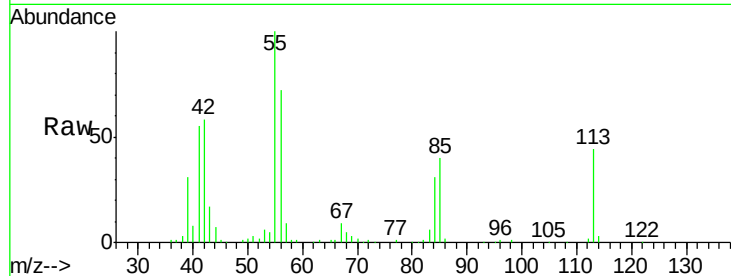
113 100

55 229.3 162.0 202.0#

56 164.2 115.3 155.3#

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#36

4-Chloro-3-methylphenol

Concen: 39.58 ng

RT: 8.58 min Scan# 568

Delta R.T. -0.01 min

Lab File: BF086764.D

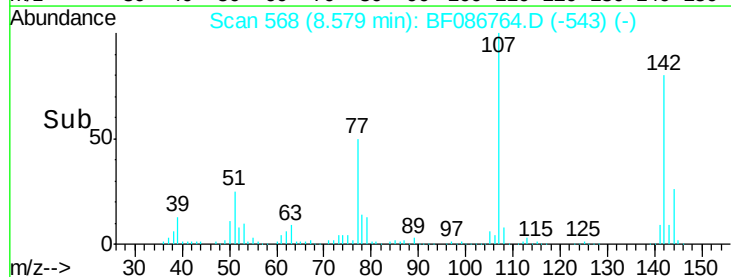
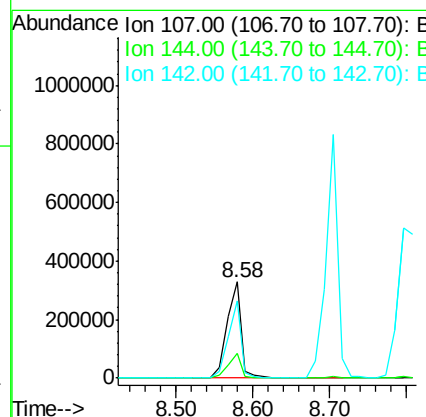
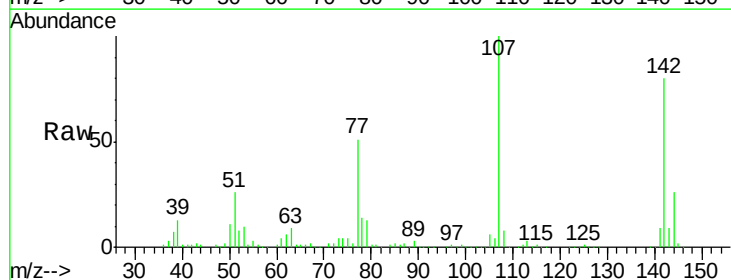
Acq: 7 May 2016 10:27

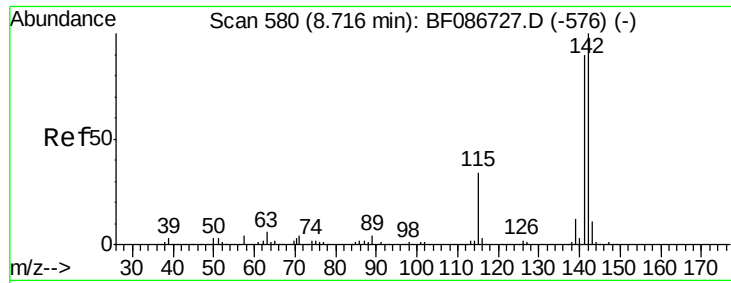
Tgt Ion:107 Resp: 432020
Ion Ratio Lower Upper

107 100

144 25.9 20.7 31.1

142 80.1 63.2 94.8





#37

2-Methylnaphthalene

Concen: 40.78 ng

RT: 8.70 min Scan# 579

Delta R.T. -0.03 min

Lab File: BF086764.D

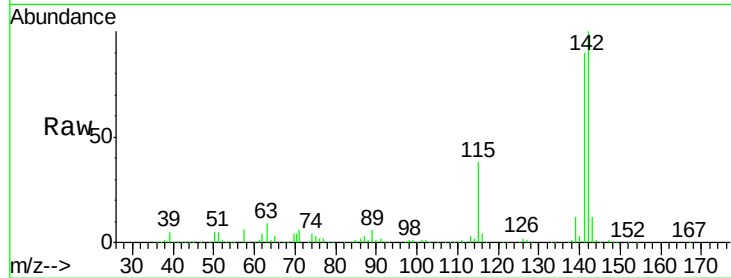
Acq: 7 May 2016 10:27

Instrument :

BNA_F

ClientSampleId :

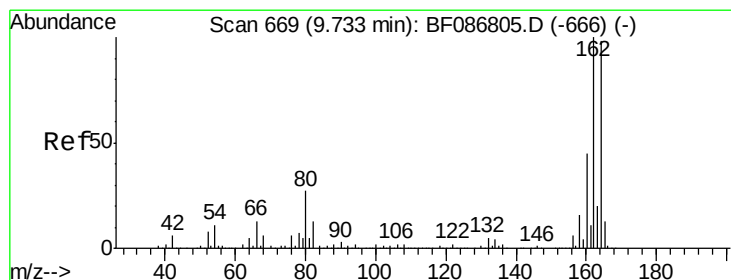
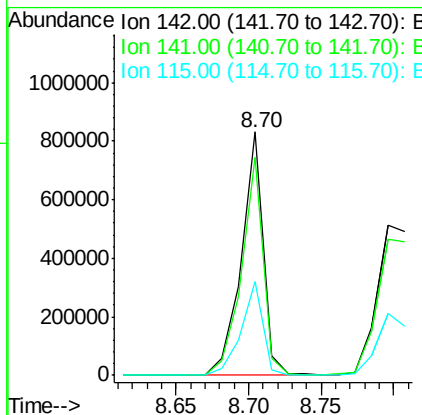
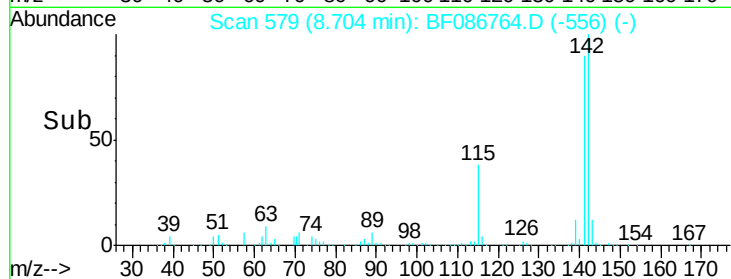
PB90333BSD



Tgt Ion:	142	Resp:	867863
Ion Ratio	Lower	Upper	
142	100		
141	89.6	71.0	106.6
115	38.4	26.6	39.8

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#38

Acenaphthene-d10

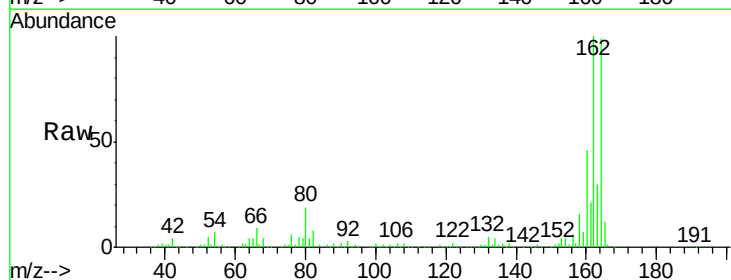
Concen: 40.00 ng

RT: 9.74 min Scan# 670

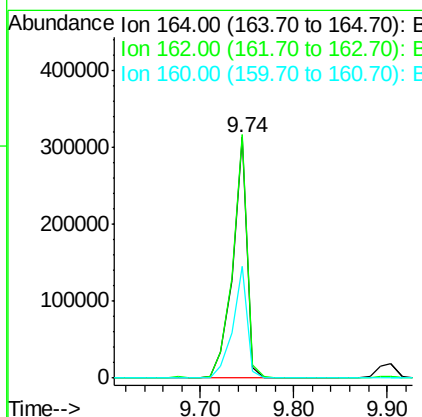
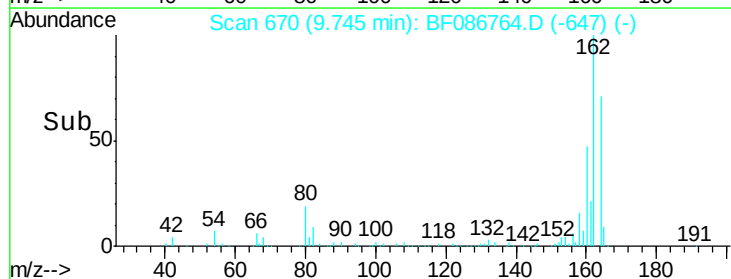
Delta R.T. -0.03 min

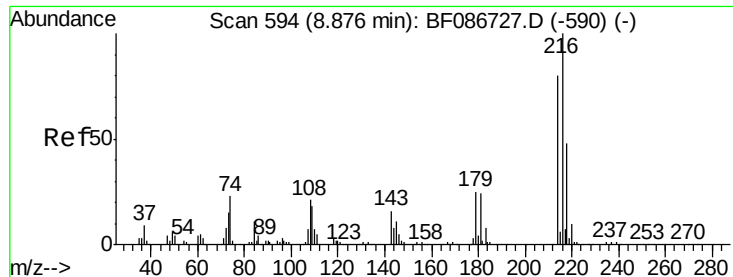
Lab File: BF086764.D

Acq: 7 May 2016 10:27



Tgt Ion:	164	Resp:	336956
Ion Ratio	Lower	Upper	
164	100		
162	101.2	82.8	124.2
160	46.3	36.9	55.3





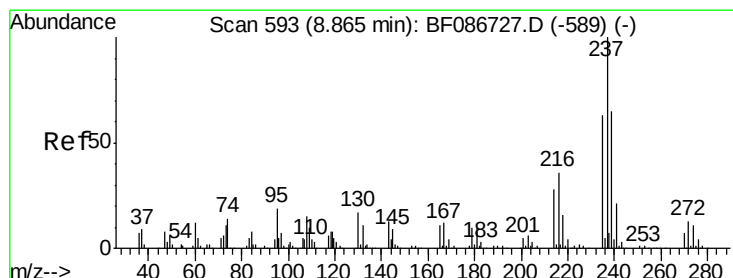
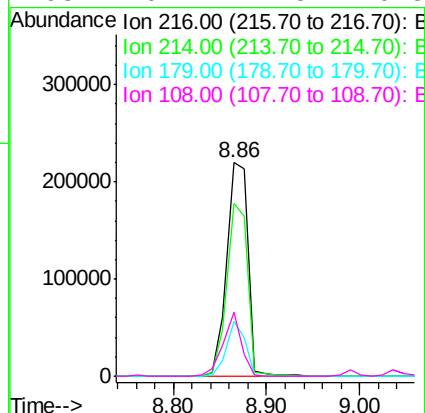
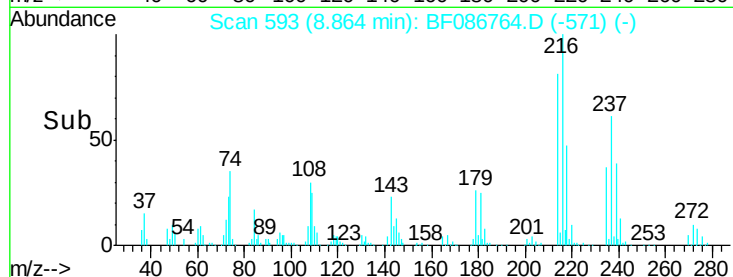
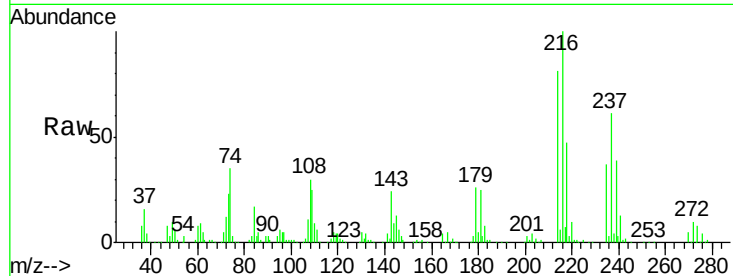
#39
1,2,4,5-Tetrachlorobenzene
Concen: 35.94 ng
RT: 8.86 min Scan# 593
Delta R.T. -0.05 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	350578		
214	78.7	62.6	93.8	
179	22.6	18.2	27.4	
108	26.2	17.5	26.3	

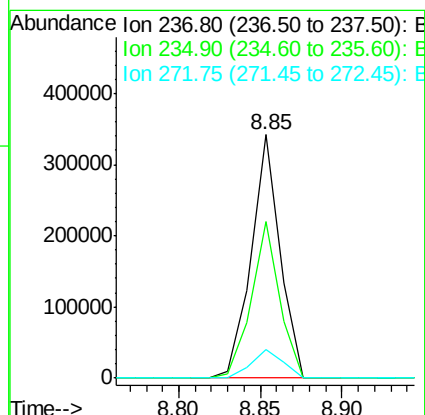
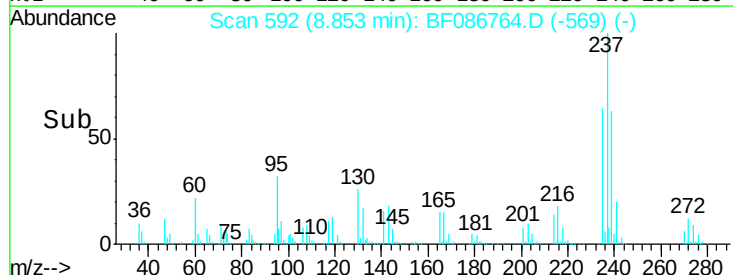
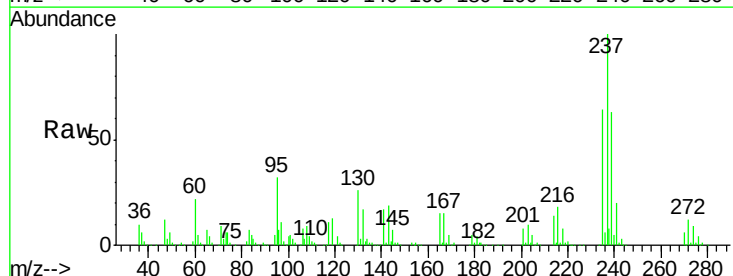
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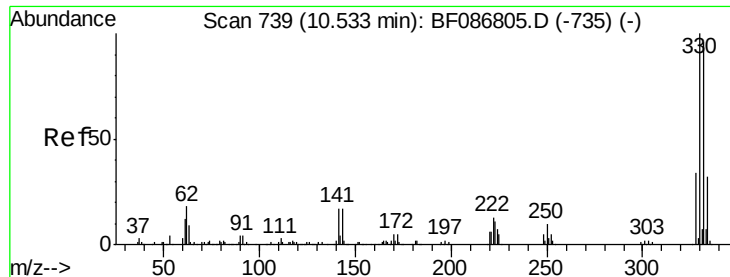
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#40
Hexachlorocyclopentadiene
Concen: 91.99 ng
RT: 8.85 min Scan# 592
Delta R.T. -0.03 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	418032		
235	64.1	47.2	87.2	
272	11.8	0.0	31.1	





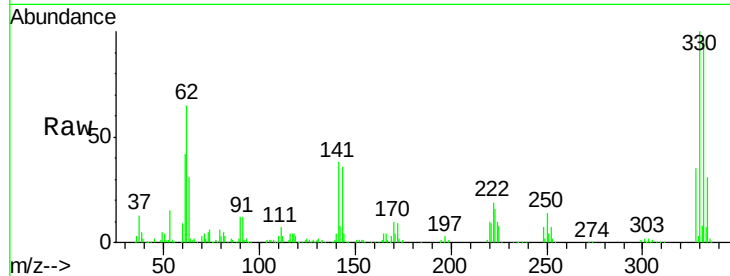
#41
 2,4,6-Tribromophenol
 Concen: 112.10 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Instrument :
 BNA_F
 ClientSampled :
 PB90333BSD

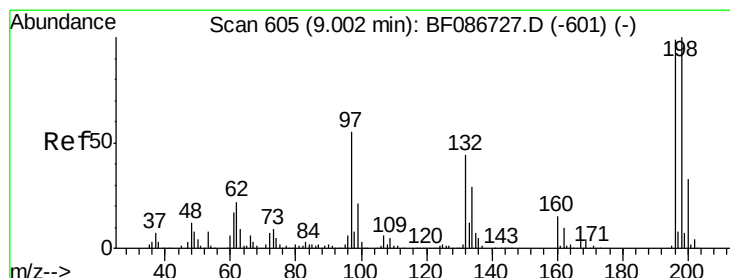
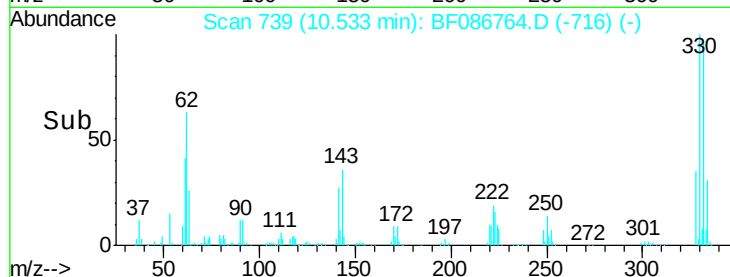
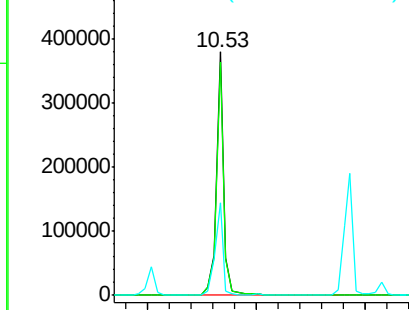
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	369516		
332	96.0	79.0	118.4	
141	40.8	31.2	46.8	

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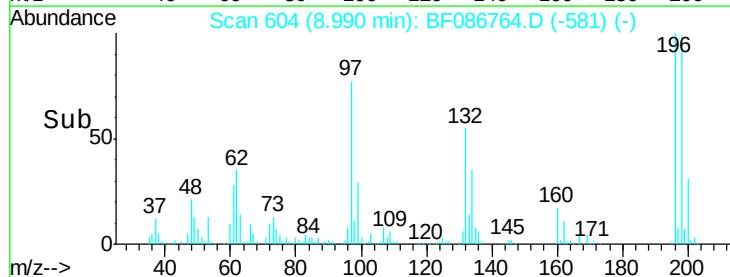
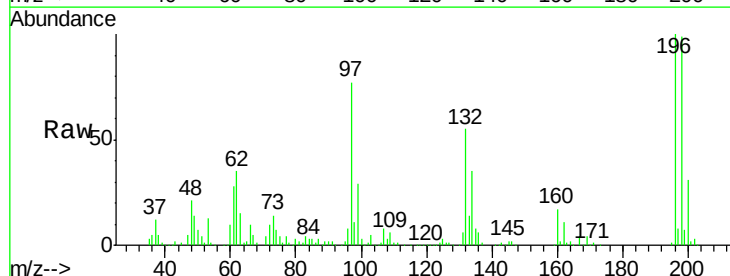
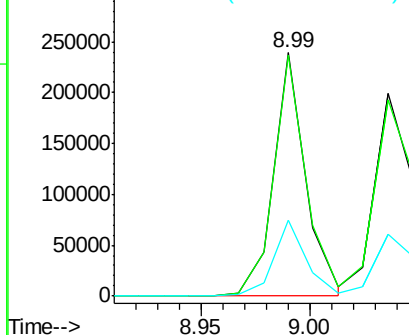
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

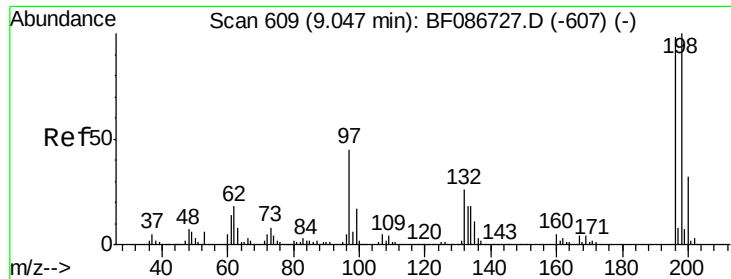


#42
 2,4,6-Trichlorophenol
 Concen: 39.99 ng
 RT: 8.99 min Scan# 604
 Delta R.T. -0.03 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	248006		
198	99.2	74.7	112.1	
200	31.4	23.8	35.6	

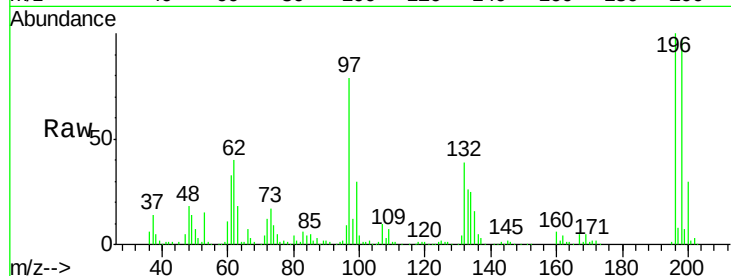
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





#43
 2,4,5-Trichlorophenol
 Concen: 38.40 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

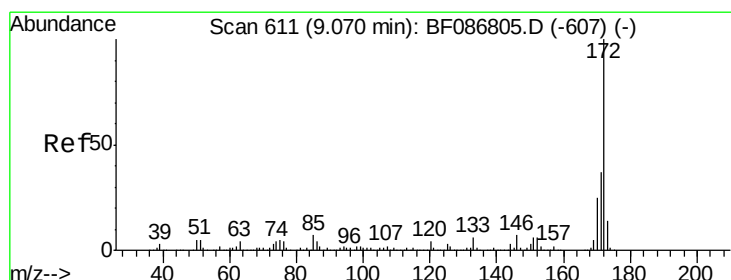
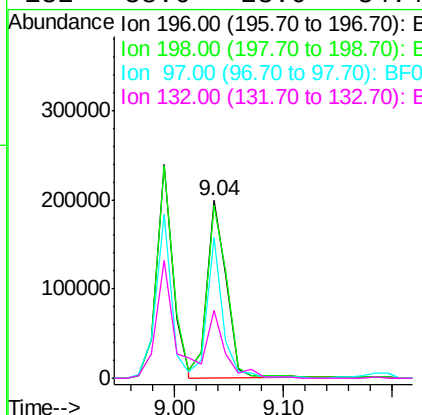
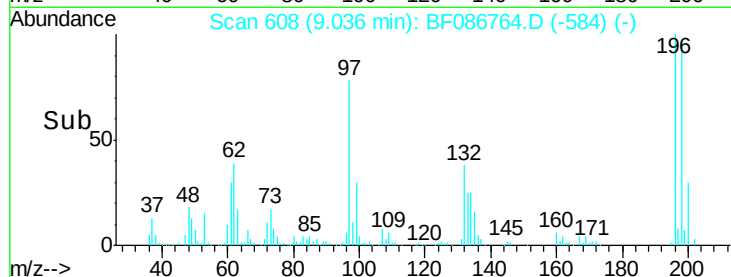
Instrument :
 BNA_F
 ClientSampleId :
 PB90333BSD



Tgt Ion	Ratio	Resp	Lower	Upper
196	100	248809		
198	97.2	77.5	116.3	
97	79.1	34.8	52.2	#
132	38.6	23.0	34.4	#

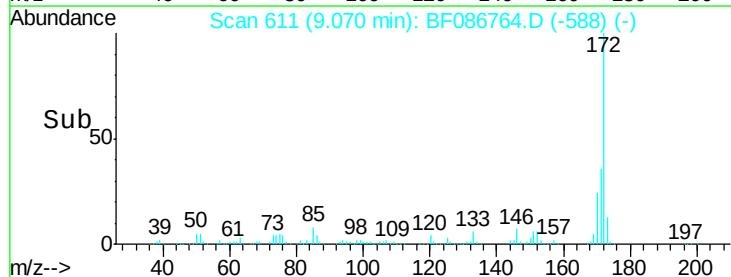
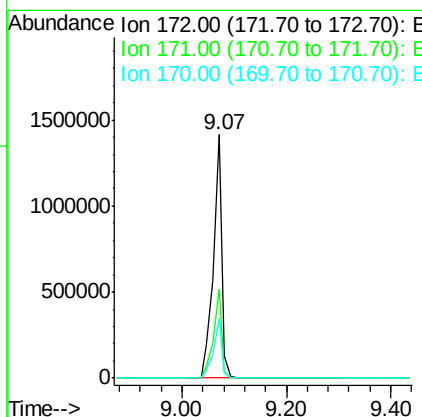
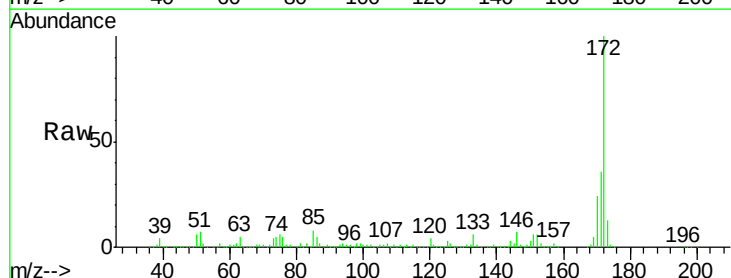
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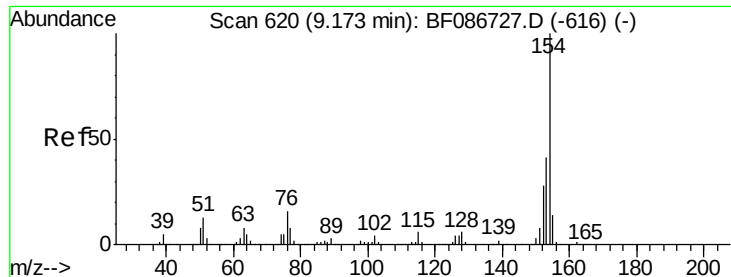
Sohil
 5/9/2016 7:17:36 PM



#44
 2-Fluorobiphenyl
 Concen: 77.81 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1599366		
171	36.2	29.0	43.6	
170	24.5	19.8	29.8	





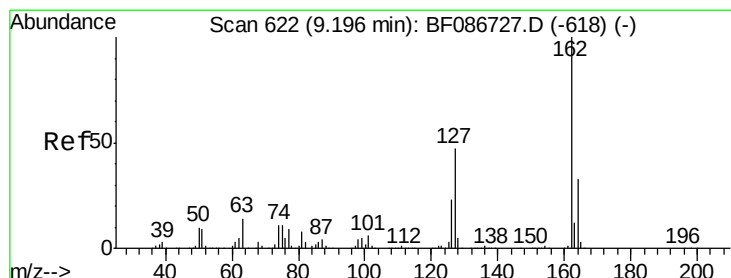
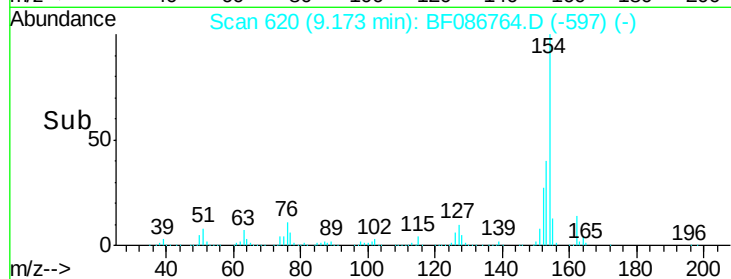
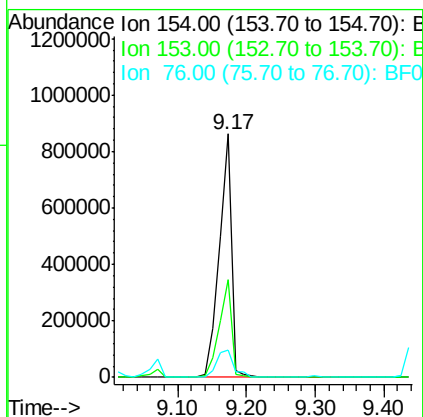
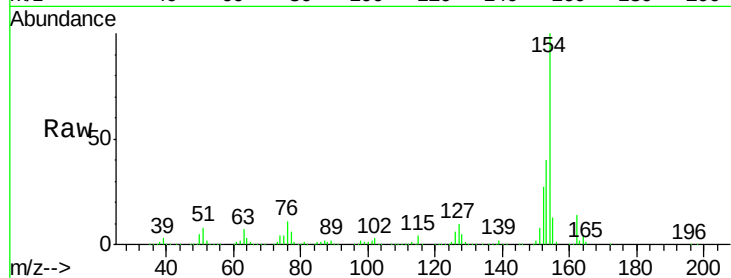
#45
 1,1'-Biphenyl
 Concen: 39.87 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.03 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BSD

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	11.0	0.0	30.2

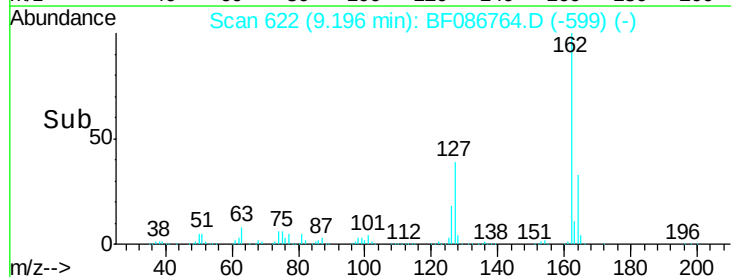
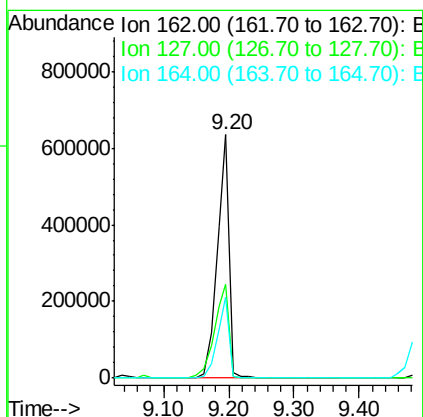
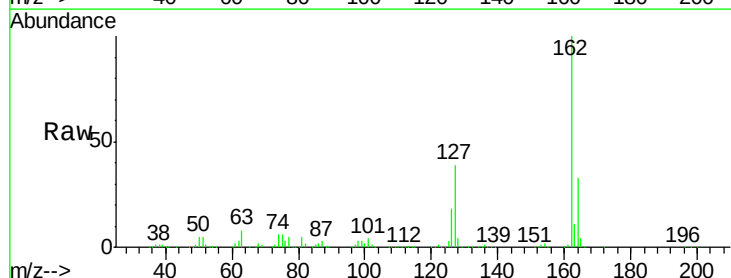
Manual Integrations
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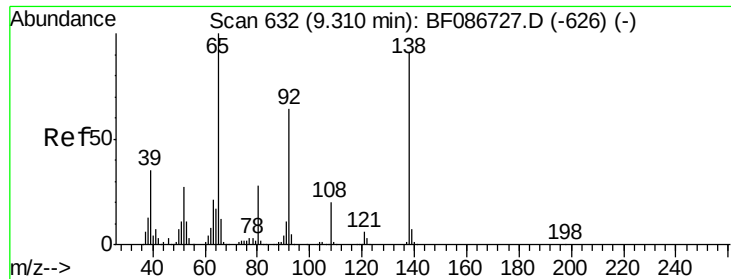
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#46
 2-Chloronaphthalene
 Concen: 38.57 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.03 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.5	31.8	47.6
164	33.3	27.0	40.6





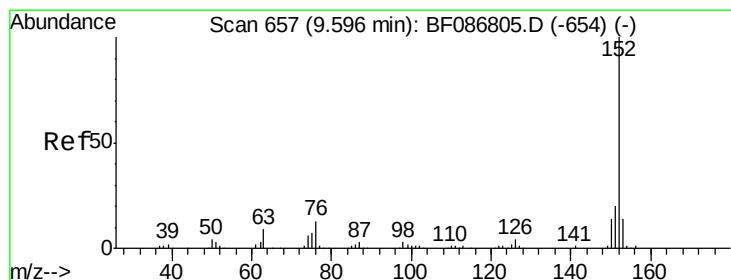
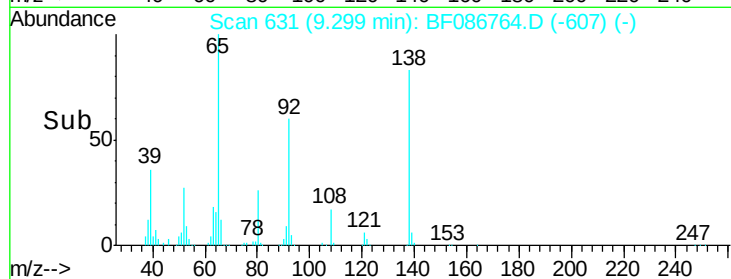
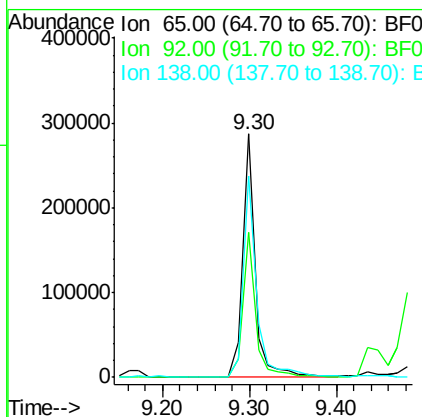
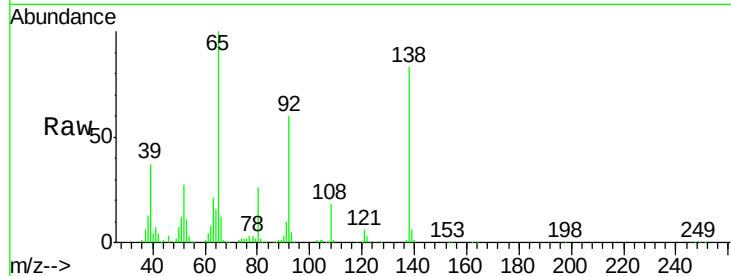
#47
2-Nitroaniline
Concen: 38.05 ng
RT: 9.30 min Scan# 631
Delta R.T. -0.02 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	287584		
92	59.6	57.4	86.2	
138	82.8	90.1	135.1#	

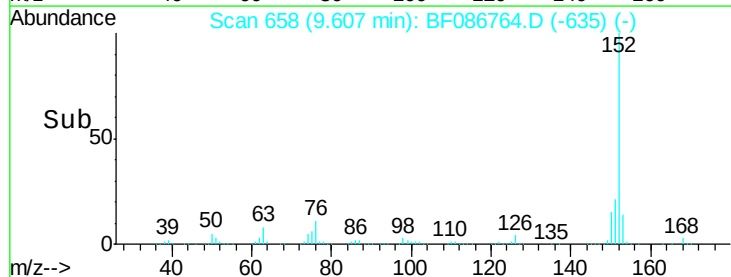
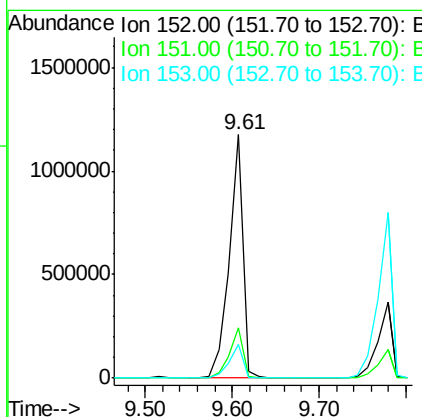
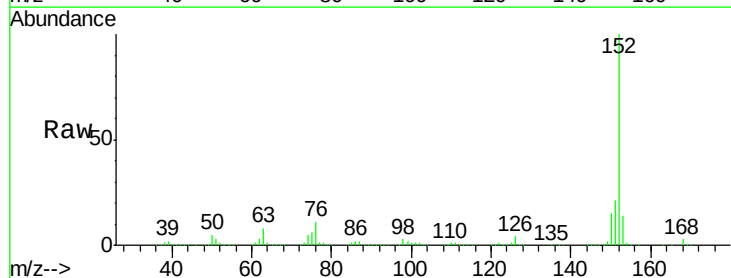
Manual Integrations
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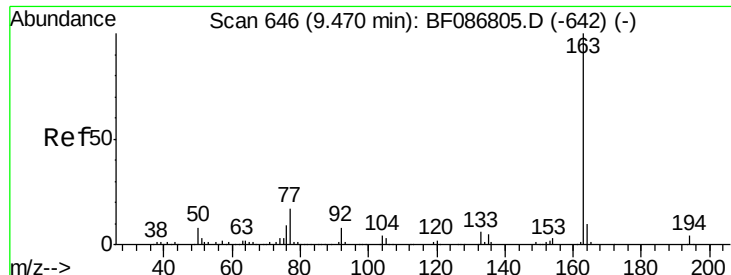
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#48
Acenaphthylene
Concen: 40.68 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.03 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	1283846		
151	20.6	16.8	25.2	
153	13.9	10.9	16.3	





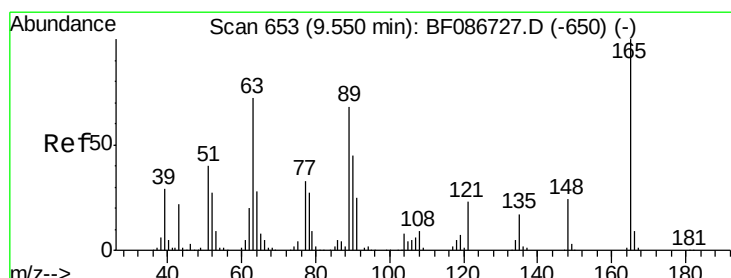
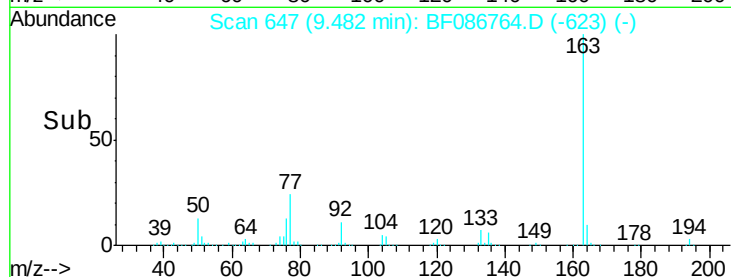
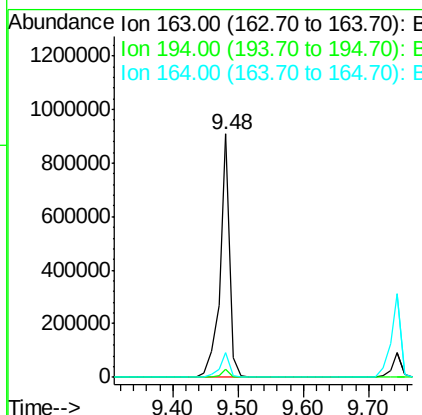
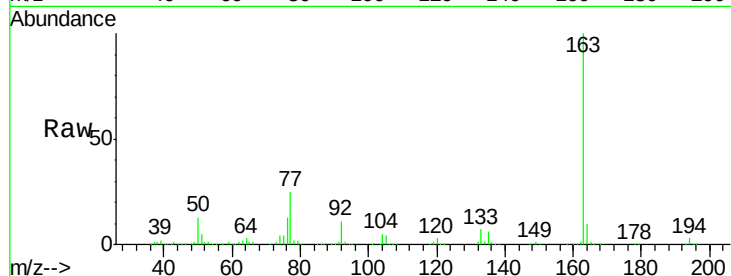
#49
Dimethylphthalate
Concen: 37.62 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	944921		
194	3.2	2.6	4.0	
164	10.4	8.2	12.4	

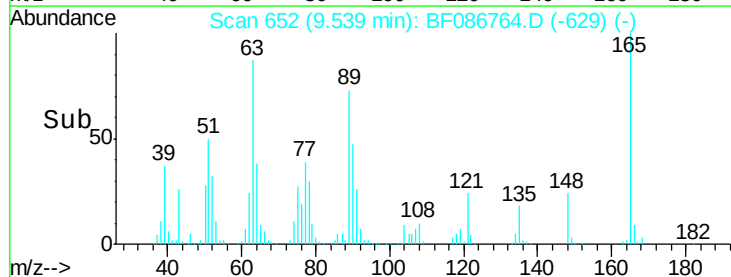
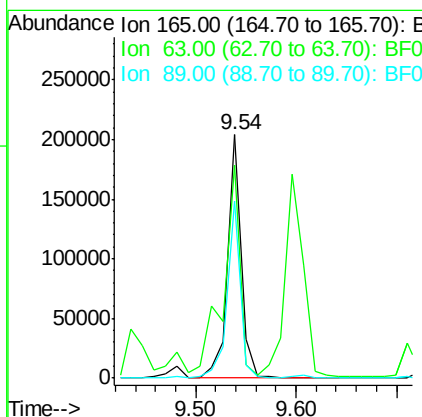
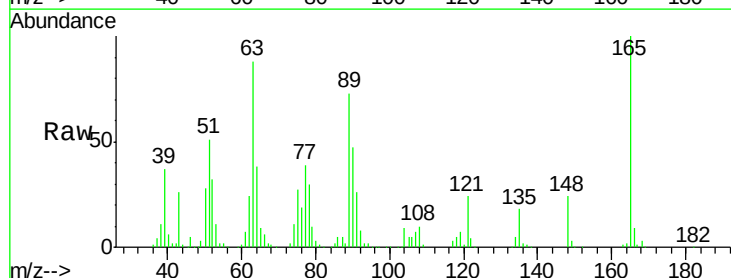
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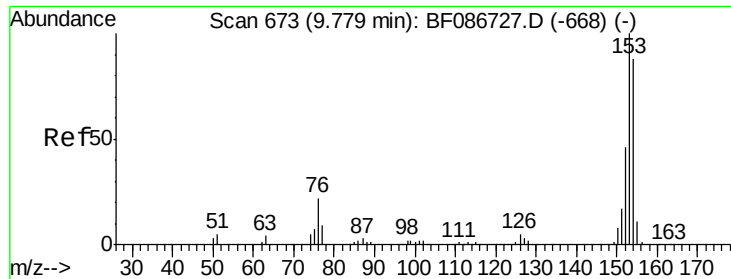
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#50
2,6-Dinitrotoluene
Concen: 36.01 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	194127		
63	87.7	51.8	77.8#	
89	72.5	50.7	76.1	





#51

Acenaphthene

Concen: 38.34 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.03 min

Lab File: BF086764.D

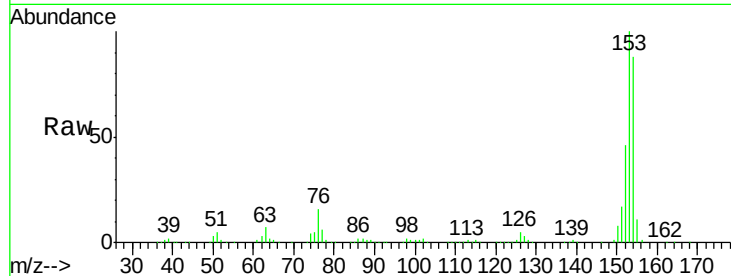
Acq: 7 May 2016 10:27

Instrument :

BNA_F

ClientSampleId :

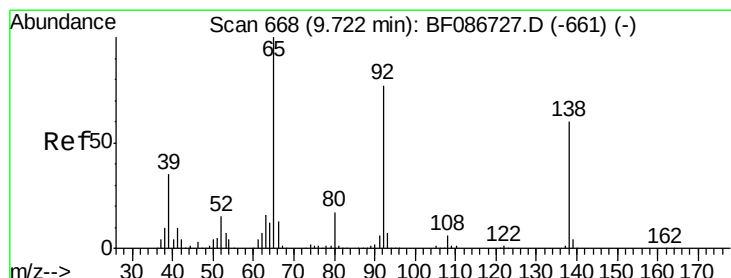
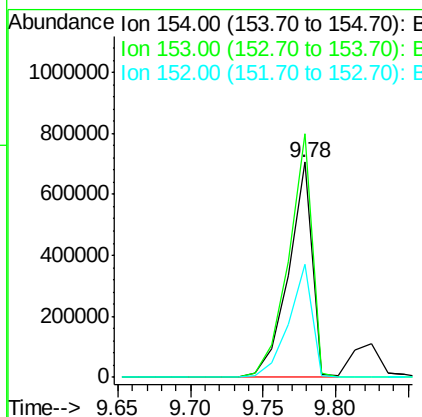
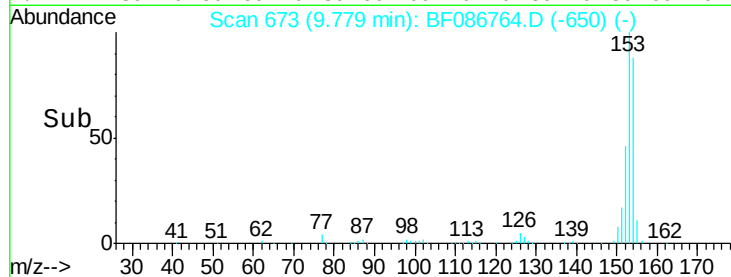
PB90333BSD



Tgt Ion:	154	Resp:	798160
Ion Ratio	Lower	Upper	
154	100		
153	113.1	89.8	134.6
152	52.3	43.4	65.0

Manual Integrations
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#52

3-Nitroaniline

Concen: 20.98 ng

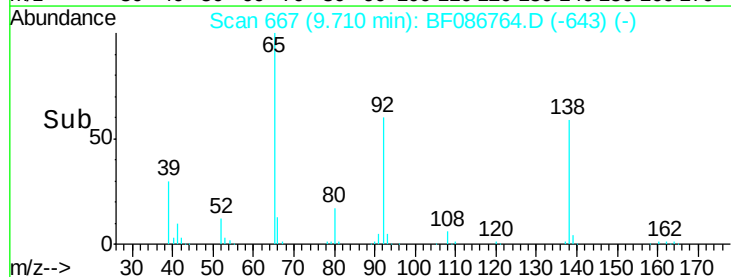
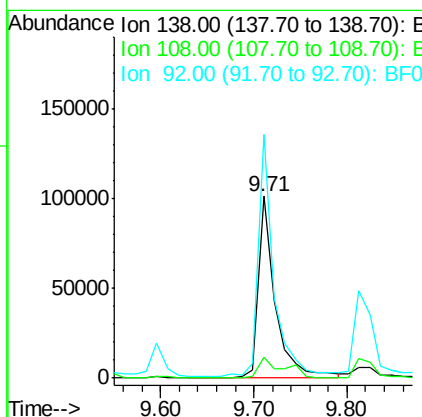
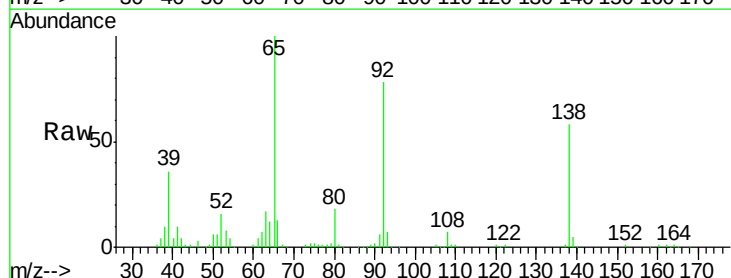
RT: 9.71 min Scan# 667

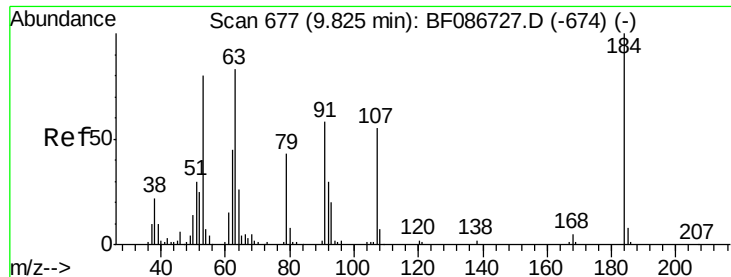
Delta R.T. -0.02 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Tgt Ion:	138	Resp:	128599
Ion Ratio	Lower	Upper	
138	100		
108	11.8	7.8	11.6#
92	134.0	87.8	131.8#





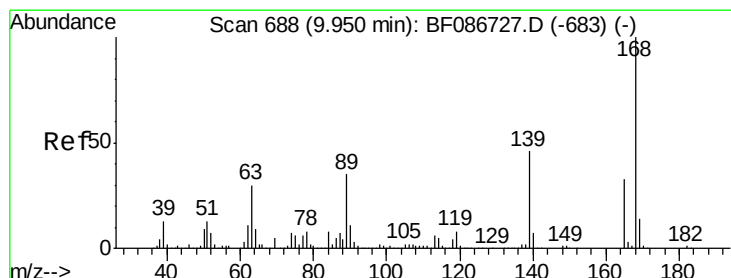
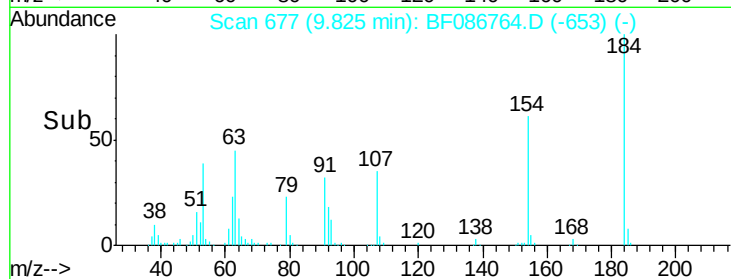
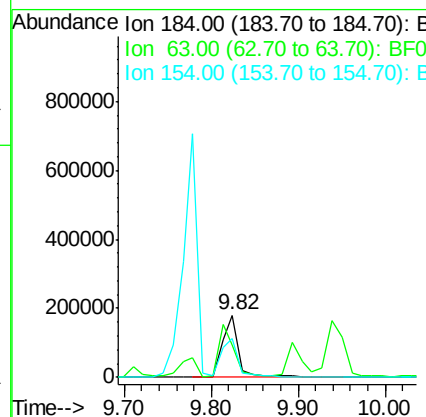
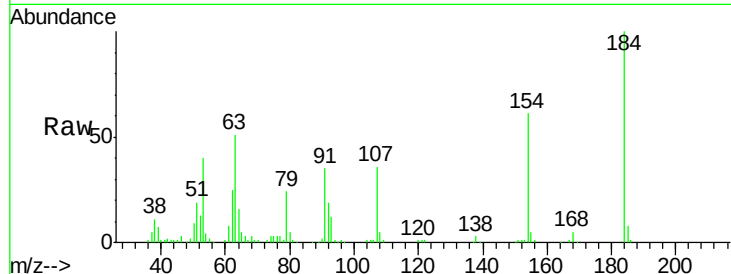
#53
2,4-Dinitrophenol
Concen: 96.08 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.02 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	240490		
63	51.0	55.8	83.8#	
154	61.4	62.4	93.6#	

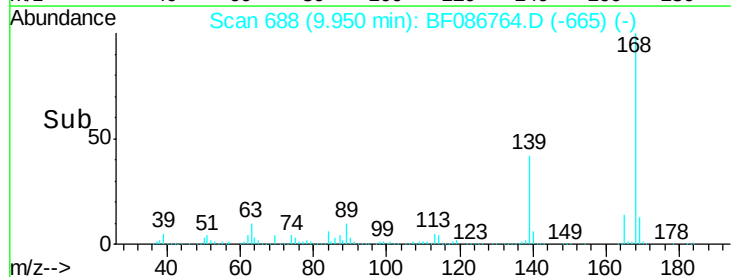
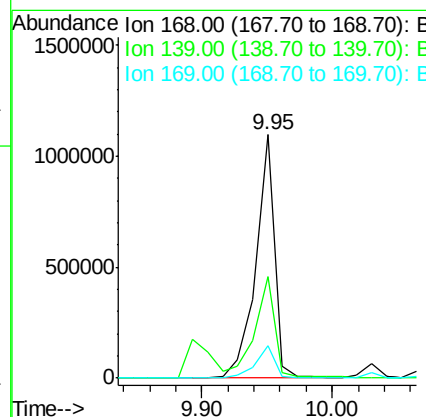
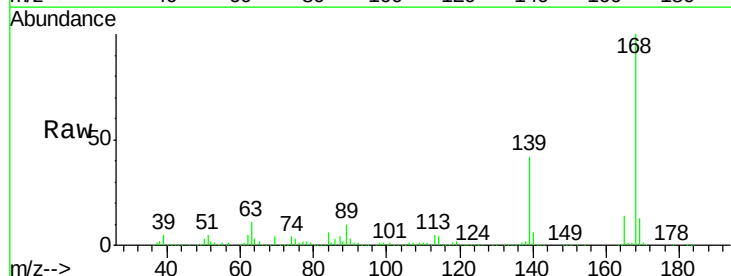
Manual Integrations
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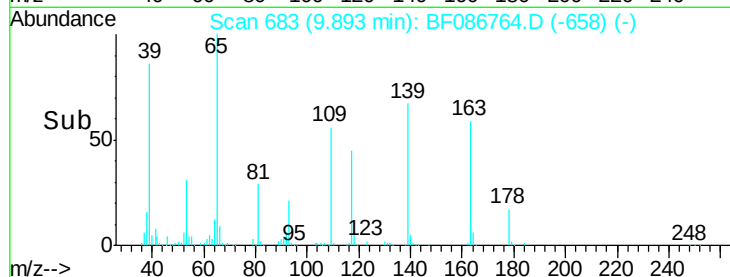
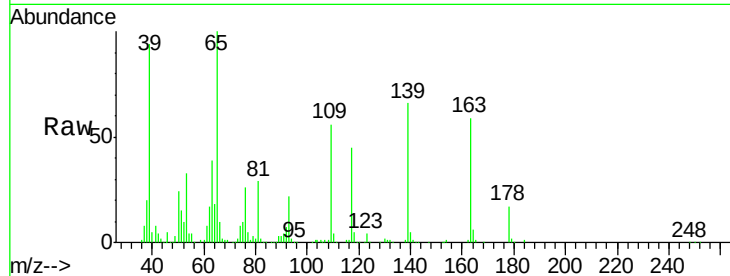
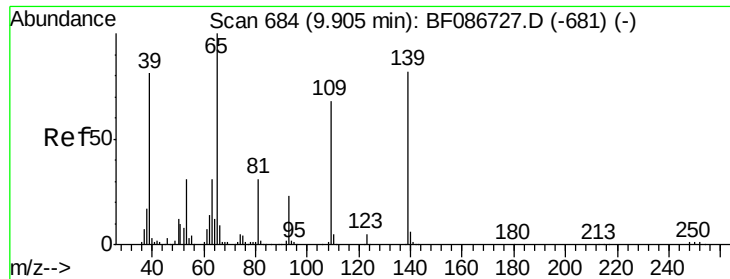
Sohil
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#54
Dibenzofuran
Concen: 42.74 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.03 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1102743		
139	41.8	31.4	47.0	
169	13.4	10.7	16.1	





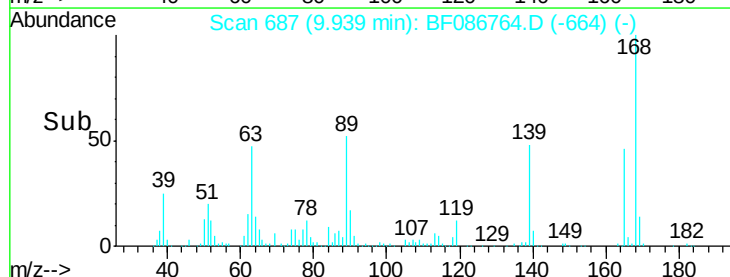
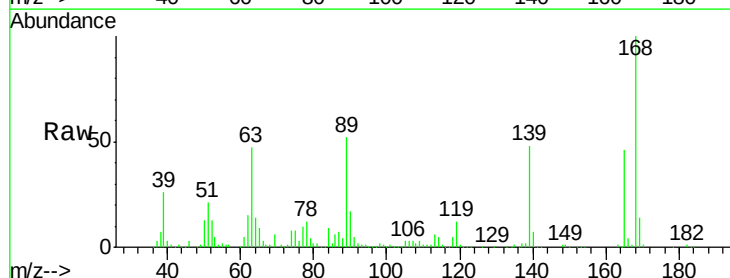
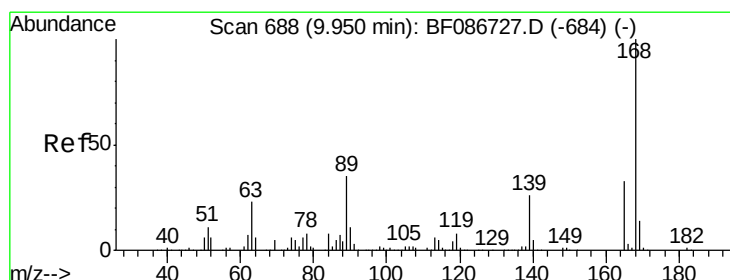
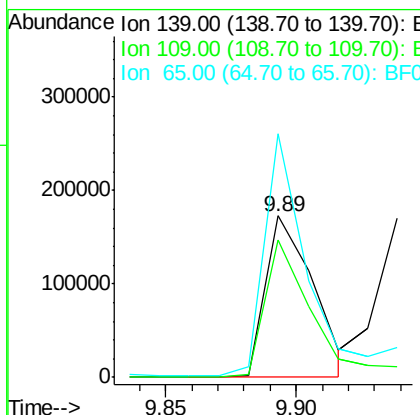
#55
4-Nitrophenol
Concen: 61.07 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	218213		
109	85.2	36.9	76.9#	
65	151.1	64.0	104.0#	

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

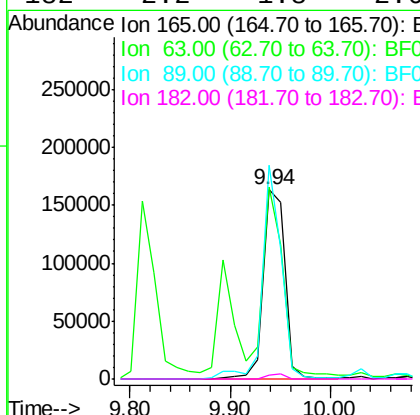
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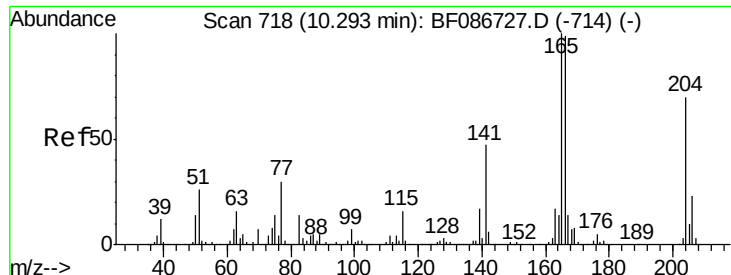
Sohil
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#56
2,4-Dinitrotoluene
Concen: 36.64 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.03 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	244775		
63	101.7	44.3	66.5#	
89	112.9	70.0	105.0#	
182	2.2	1.8	2.6	





#57

Fluorene

Concen: 42.22 ng

RT: 10.29 min Scan# 718

Delta R.T. -0.03 min

Lab File: BF086764.D

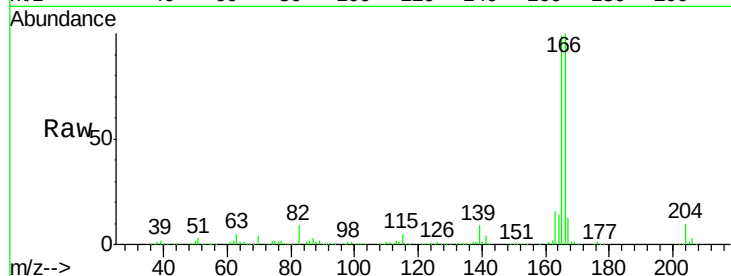
Acq: 7 May 2016 10:27

Instrument :

BNA_F

ClientSampleId :

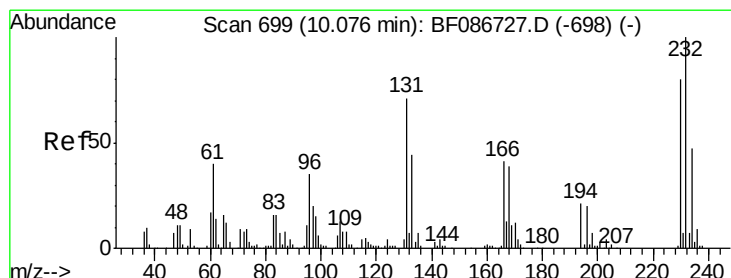
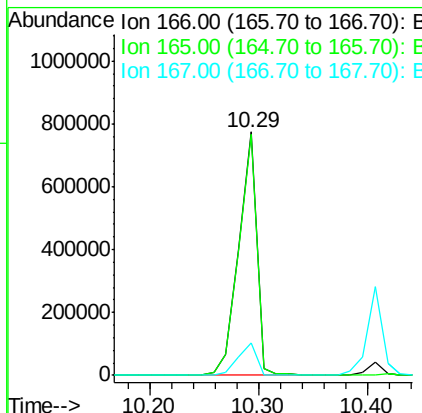
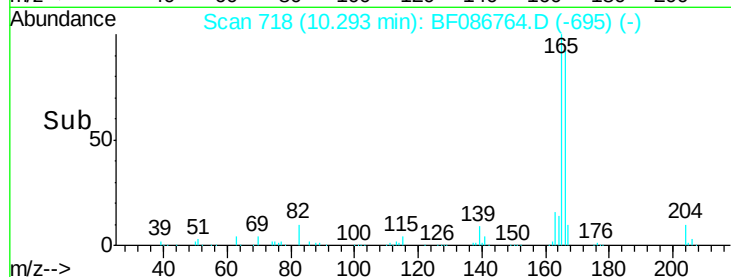
PB90333BSD



Tgt Ion	Ratio	Resp	Lower	Upper
166	100	882868		
165	98.9	79.0	118.6	
167	13.1	10.6	15.8	

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#58

2,3,4,6-Tetrachlorophenol

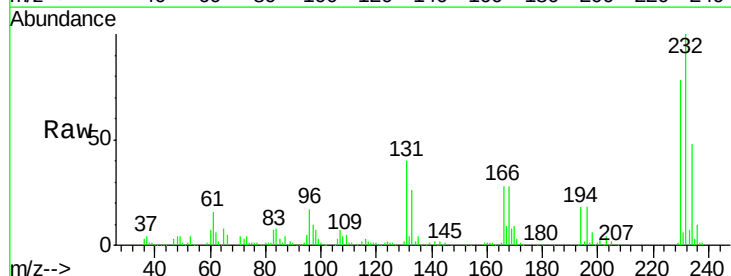
Concen: 47.34 ng

RT: 10.08 min Scan# 699

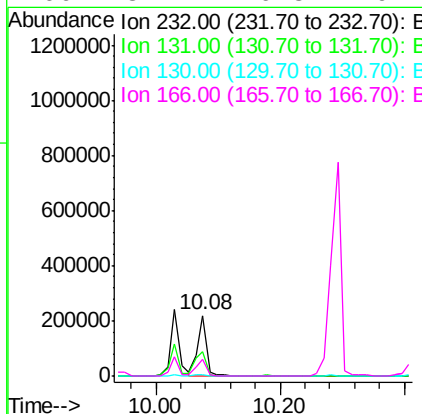
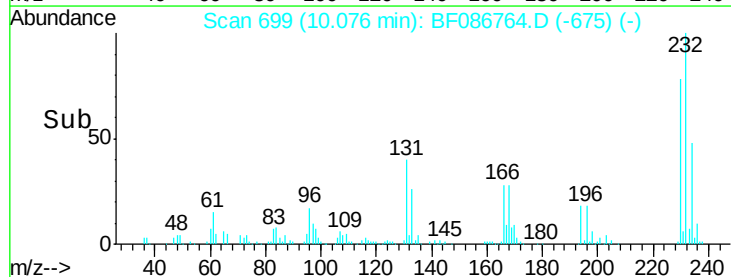
Delta R.T. -0.02 min

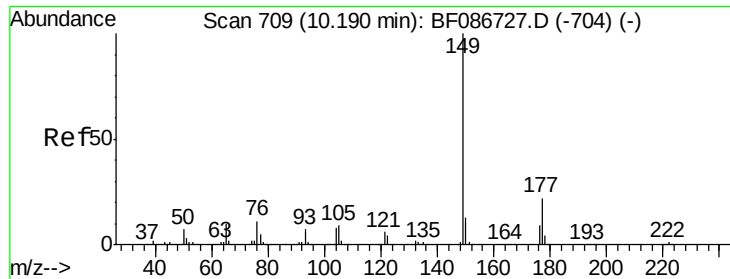
Lab File: BF086764.D

Acq: 7 May 2016 10:27



Tgt Ion	Ratio	Resp	Lower	Upper
232	100	225260		
131	50.2	41.9	62.9	
130	2.6	2.2	3.4	
166	31.1	26.8	40.2	





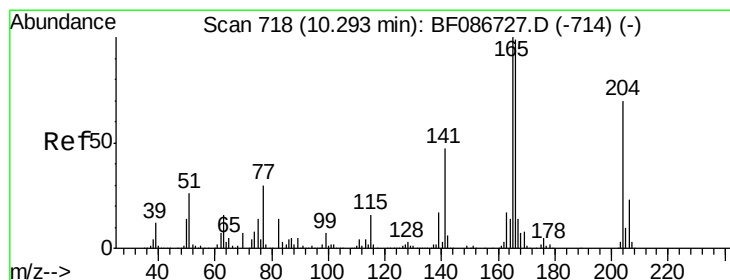
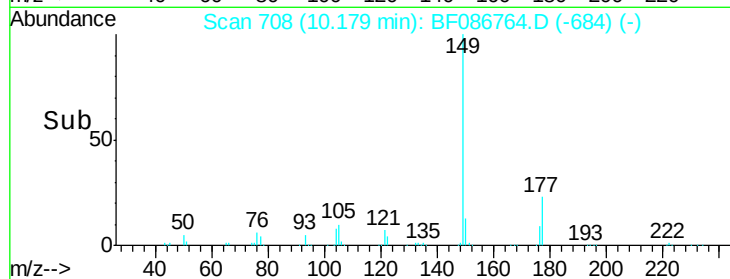
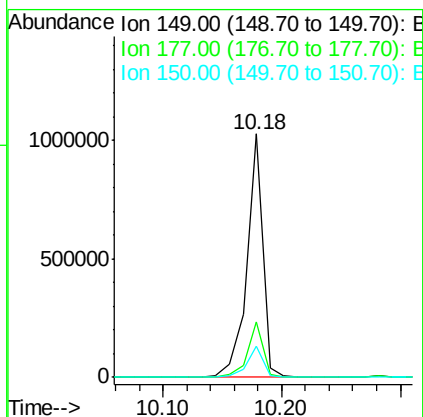
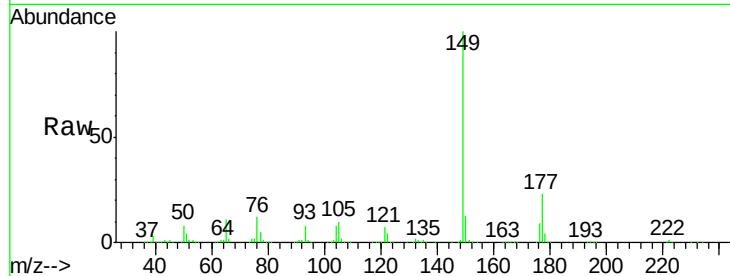
#59
Diethylphthalate
Concen: 40.74 ng
RT: 10.18 min Scan# 708
Delta R.T. -0.02 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	968505		
177	22.5	16.6	24.8	
150	12.7	10.0	15.0	

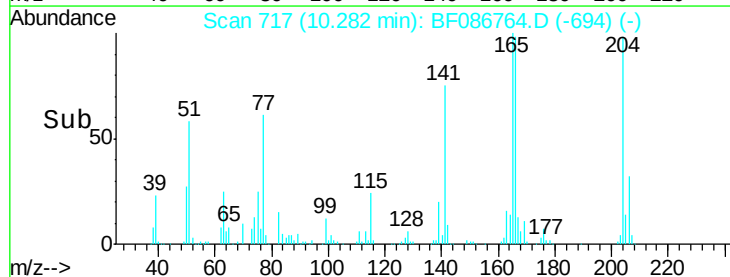
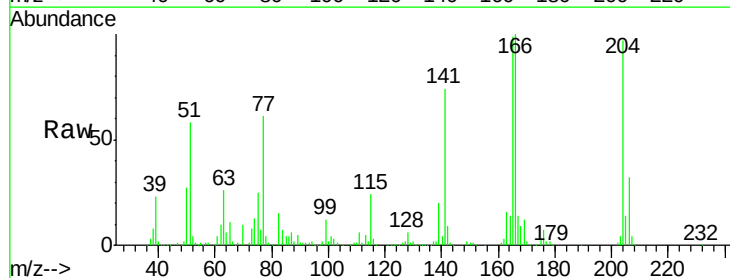
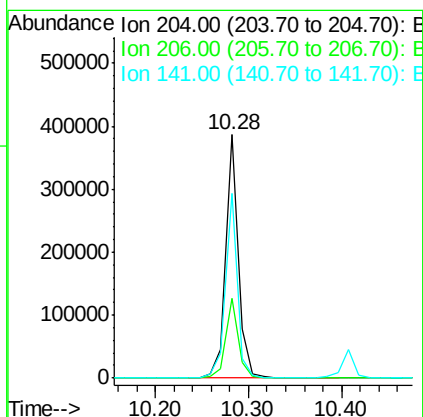
Manual Integrations
APPROVED

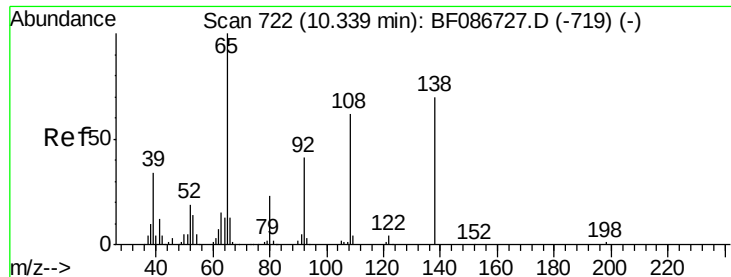
Sohil
5/9/2016 7:17:36 PM



#60
4-Chlorophenyl-phenylether
Concen: 36.58 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.03 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	363709		
206	32.5	25.4	38.0	
141	76.1	61.6	92.4	





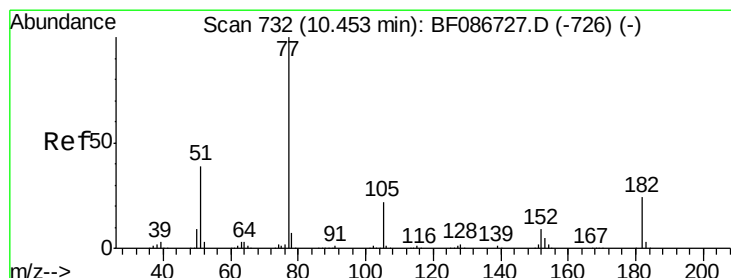
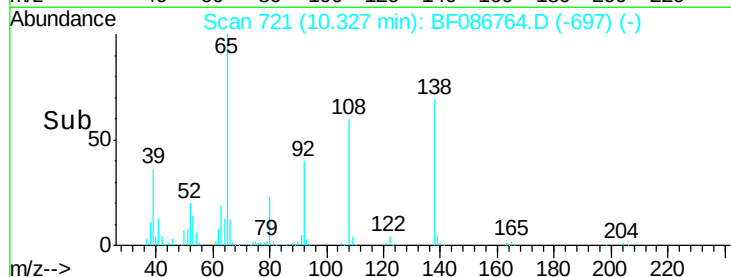
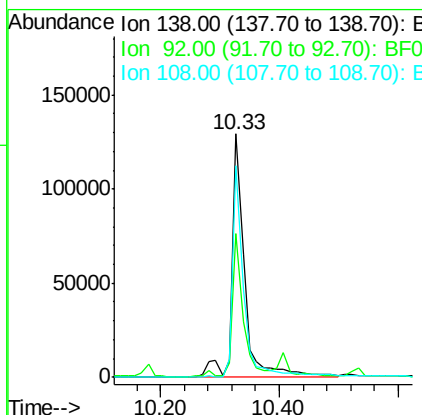
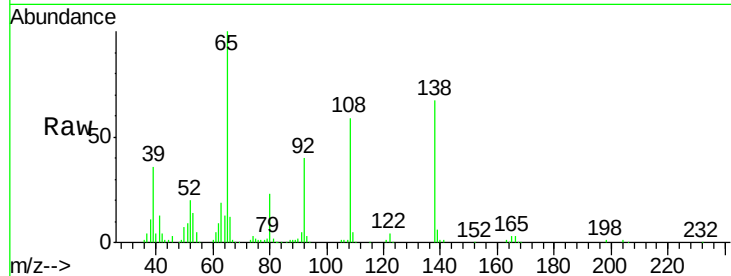
#61
4-Nitroaniline
Concen: 32.83 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

Tgt Ion	Ratio	Lower	Upper
138	100		
92	58.9	24.7	64.7
108	87.0	37.4	77.4

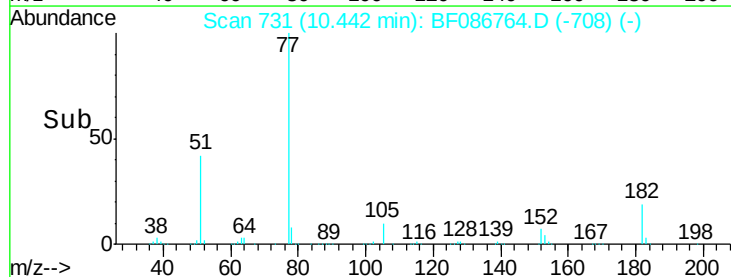
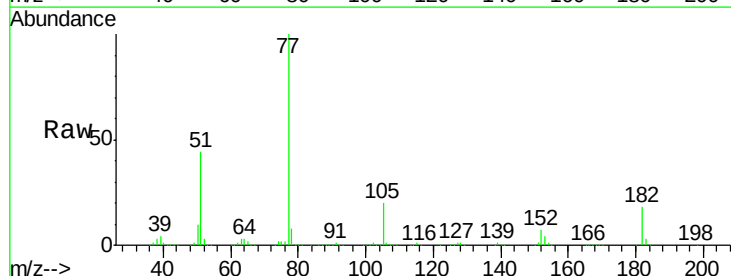
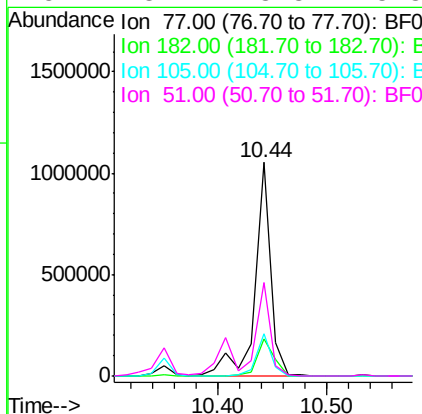
Manual Integrations
APPROVED

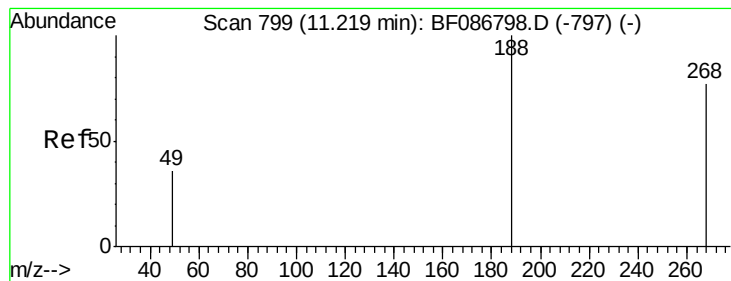
Sohil
5/9/2016 7:17:36 PM



#62
Azobenzene
Concen: 40.60 ng
RT: 10.44 min Scan# 731
Delta R.T. -0.03 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Lower	Upper
77	100		
182	17.6	0.0	38.8
105	19.9	3.2	43.2
51	43.7	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: BF086764.D

Acq: 7 May 2016 10:27

Instrument :

BNA_F

ClientSampleId :

PB90333BSD

Tgt Ion:188 Resp: 575466

Ion Ratio Lower Upper

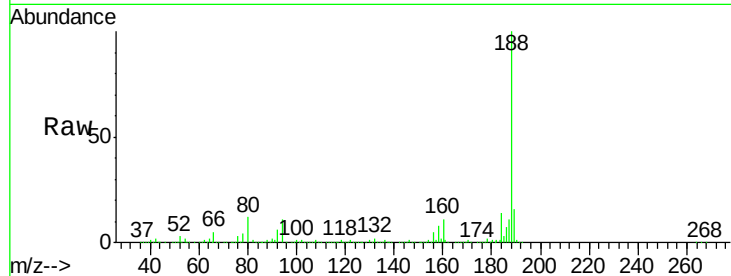
188 100

94 11.4 6.8 10.2#

80 12.4 7.1 10.7#

Manual Integrations
APPROVED

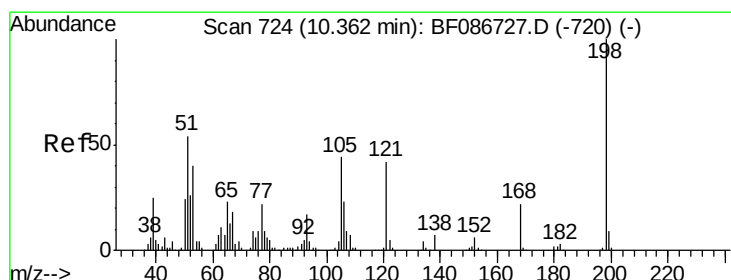
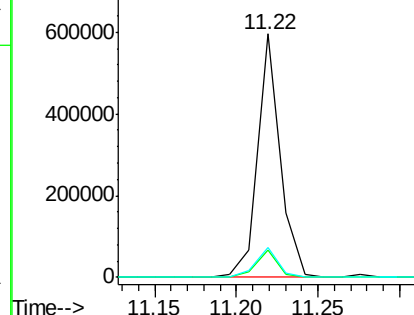
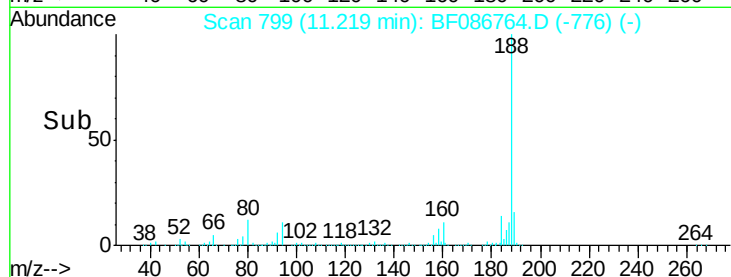
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 51.69 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

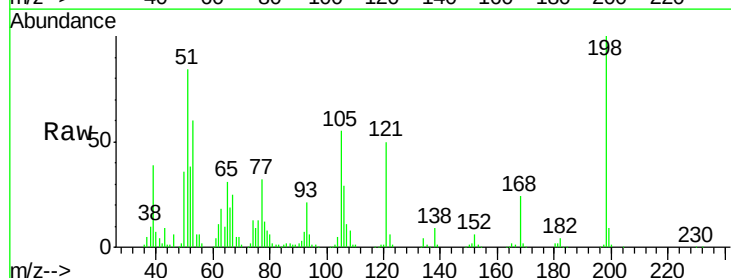
Tgt Ion:198 Resp: 154536

Ion Ratio Lower Upper

198 100

51 84.1 20.5 60.5#

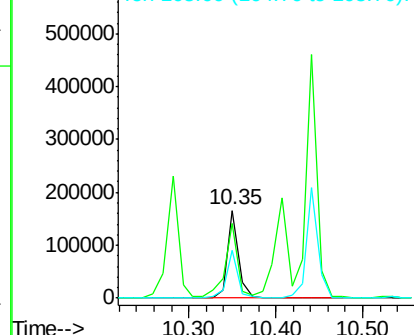
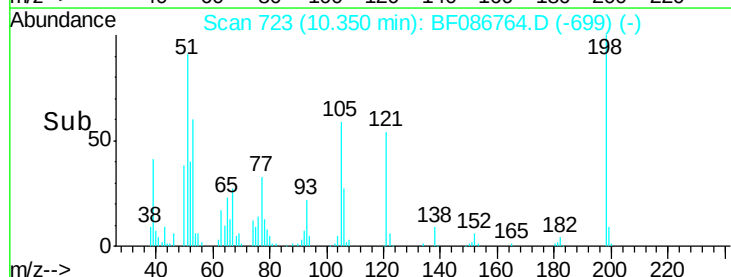
105 54.9 24.5 64.5

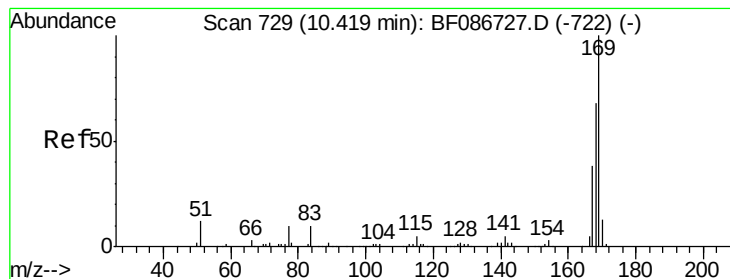


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 39.57 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Instrument :

BNA_F

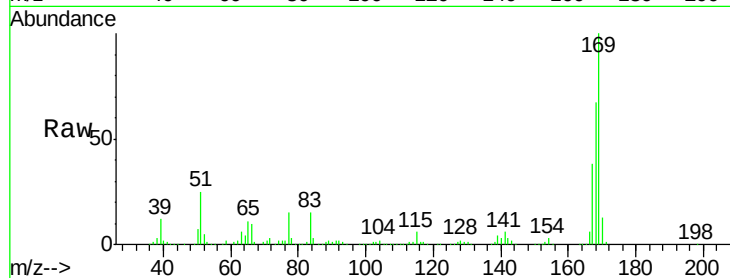
ClientSampleId :

PB90333BSD

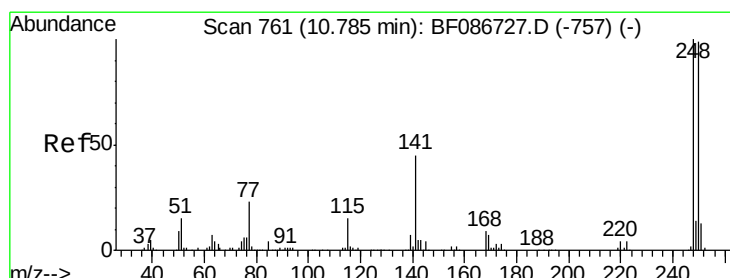
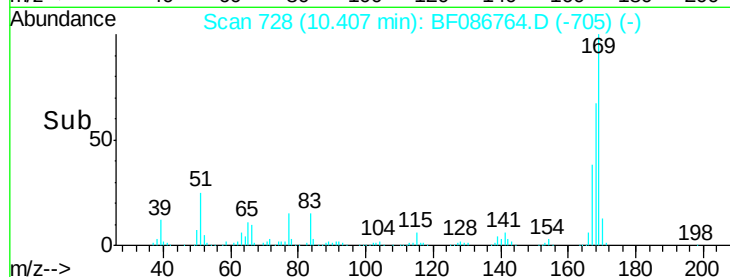
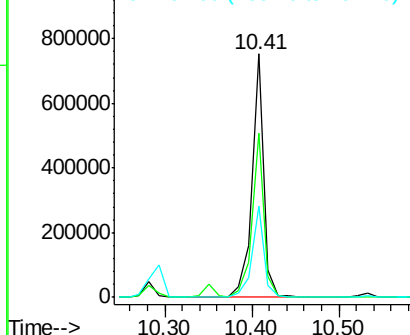
Manual Integrations
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Tgt	Ion	Resp	Lower	Upper
169	100			
168	67.2	53.8	80.6	
167	37.7	29.5	44.3	



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: 43.37 ng

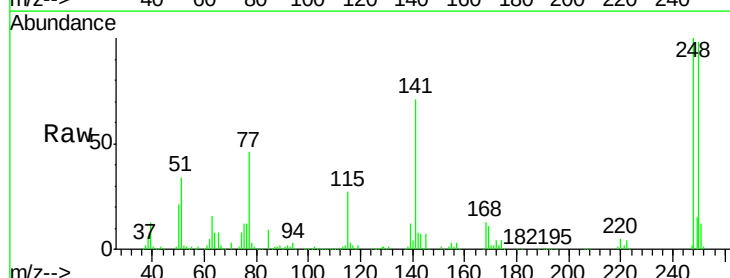
RT: 10.77 min Scan# 760

Delta R.T. -0.03 min

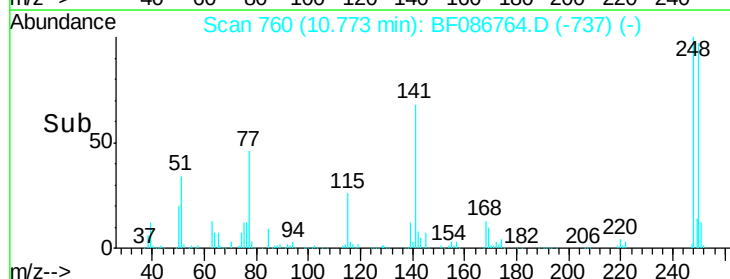
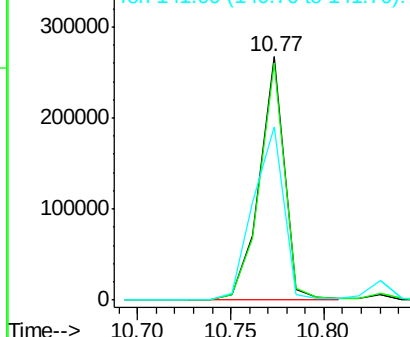
Lab File: BF086764.D

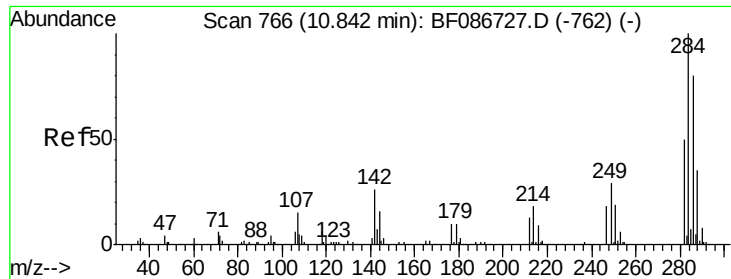
Acq: 7 May 2016 10:27

Tgt	Ion	Resp	Lower	Upper
248	100			
250	97.7	78.6	117.8	
141	70.9	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





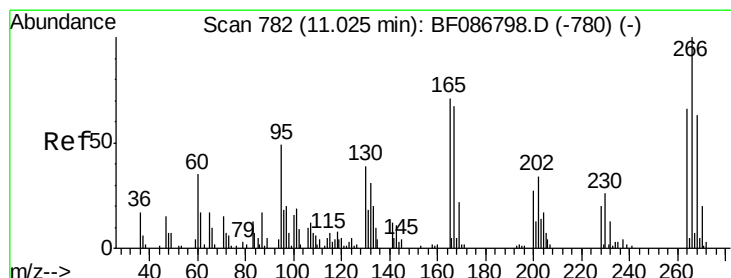
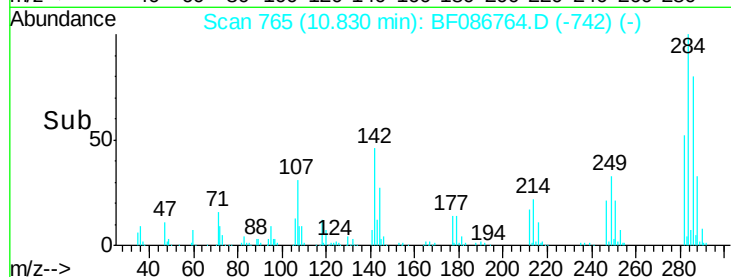
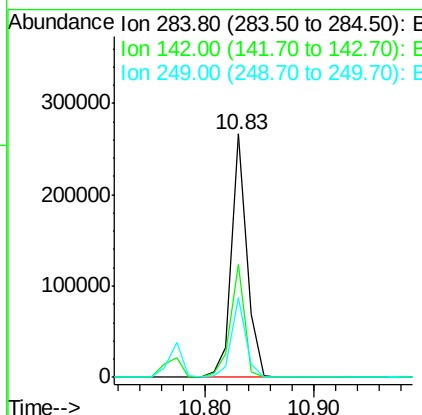
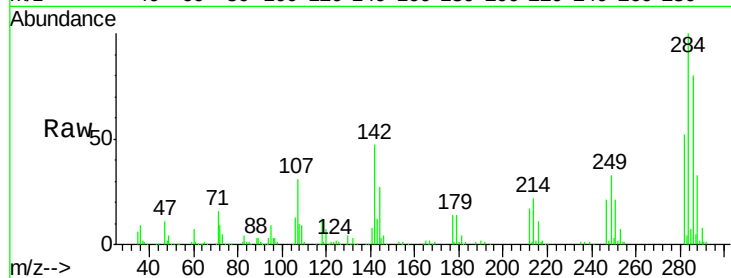
#67
Hexachlorobenzene
Concen: 37.22 ng
RT: 10.83 min Scan# 765
Delta R.T. -0.03 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	259584		
142	46.5	16.7	25.1#	
249	32.8	21.3	31.9#	

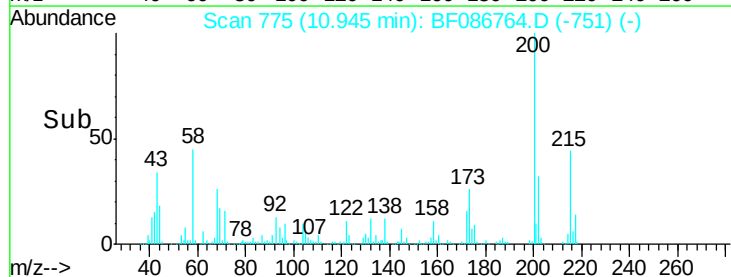
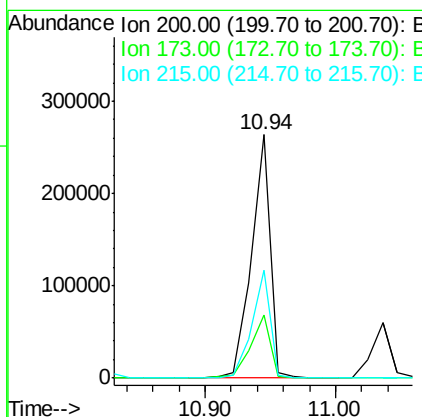
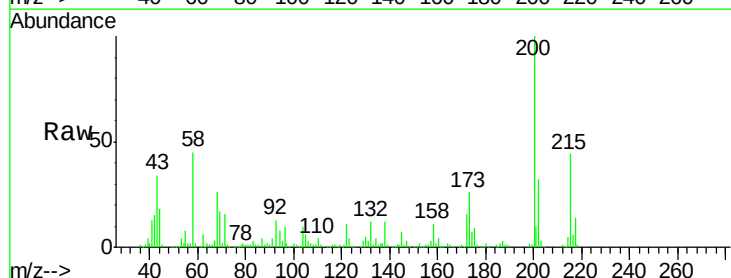
Manual Integrations
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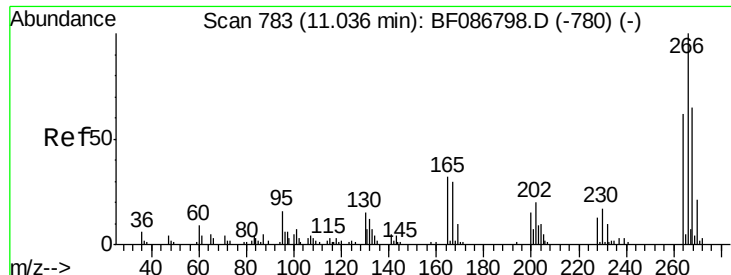
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#68
Atrazine
Concen: 46.94 ng
RT: 10.94 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	262871		
173	26.1	8.5	48.5	
215	44.2	27.2	67.2	





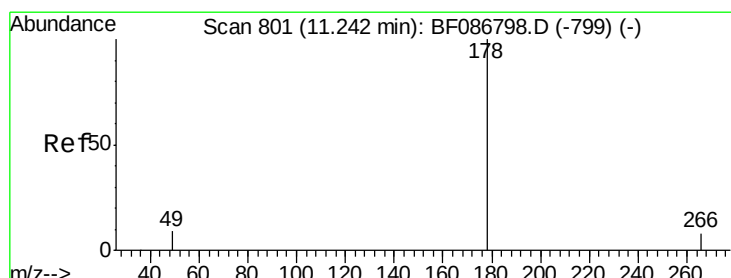
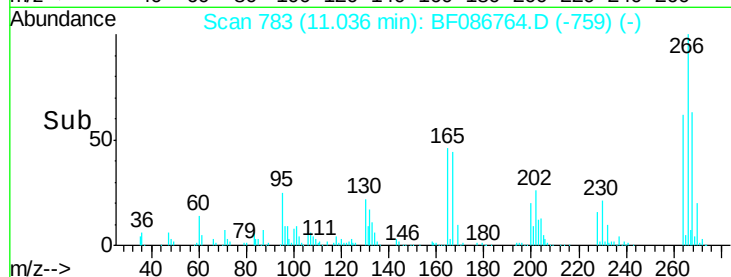
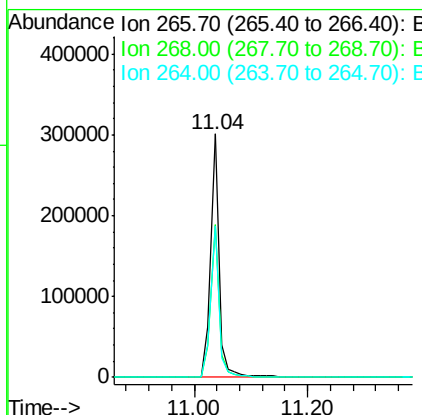
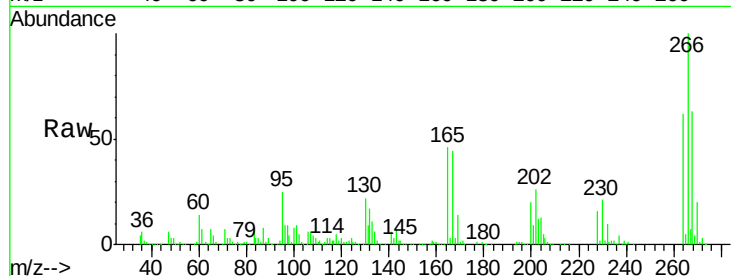
#69
 Pentachlorophenol
 Concen: 89.24 ng
 RT: 11.04 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BSD

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	304492		
268	62.9	51.5	77.3	
264	62.3	52.9	79.3	

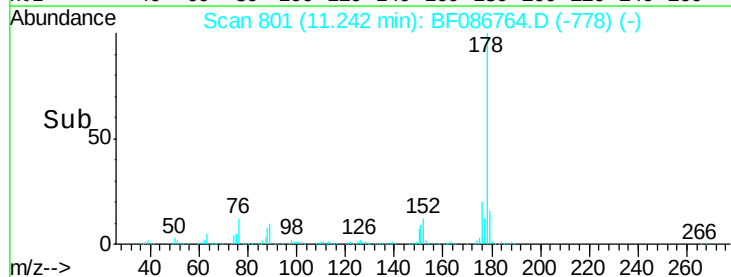
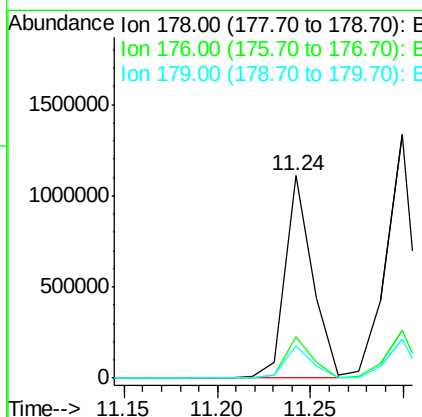
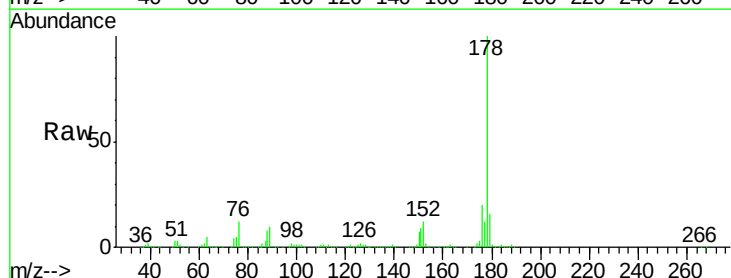
Manual Integrations
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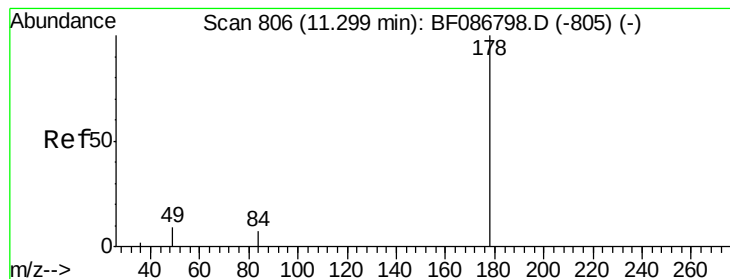
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#70
 Phenanthrene
 Concen: 36.92 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.03 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1141213		
176	20.3	16.0	24.0	
179	16.3	12.6	18.8	





#71

Anthracene

Concen: 40.76 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.03 min

Lab File: BF086764.D

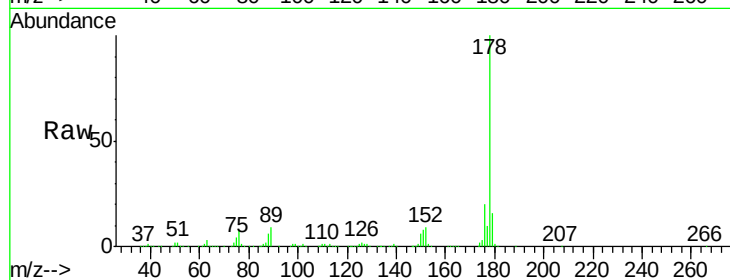
Acq: 7 May 2016 10:27

Instrument :

BNA_F

ClientSampleId :

PB90333BSD



Tgt Ion:178 Resp: 1319218

Ion Ratio Lower Upper

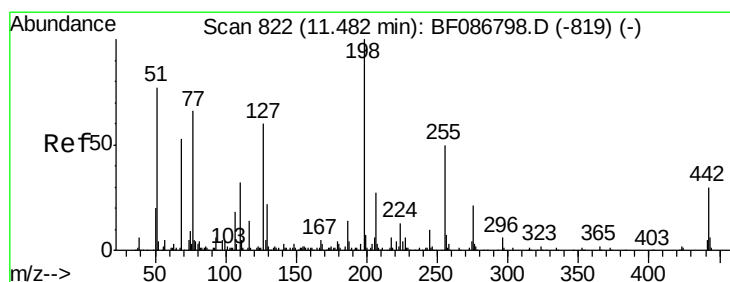
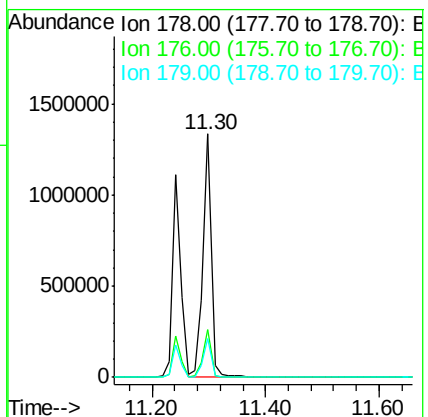
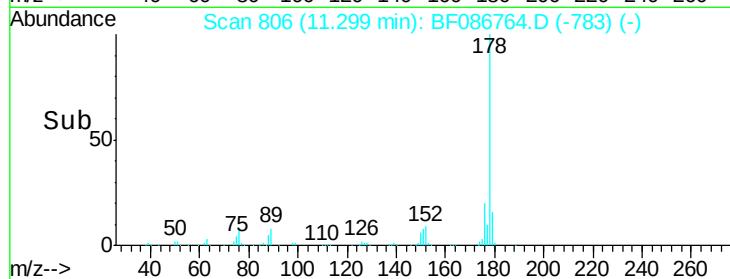
178 100

176 19.5 15.6 23.4

179 15.8 12.7 19.1

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#72

Carbazole

Concen: 39.14 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.03 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

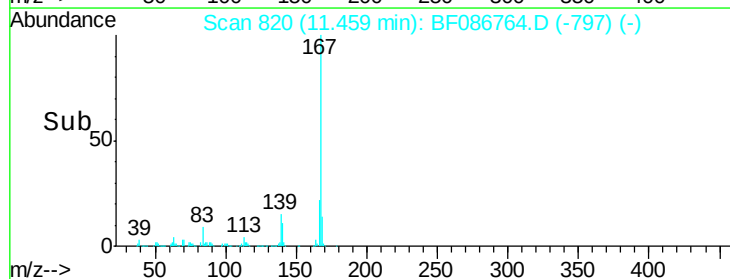
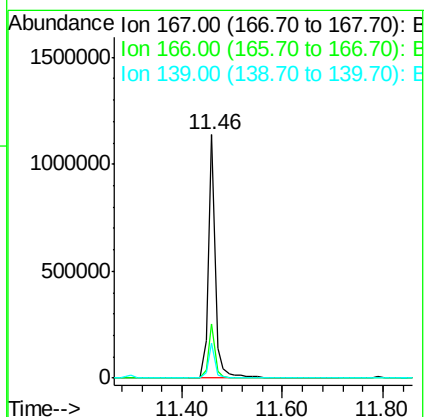
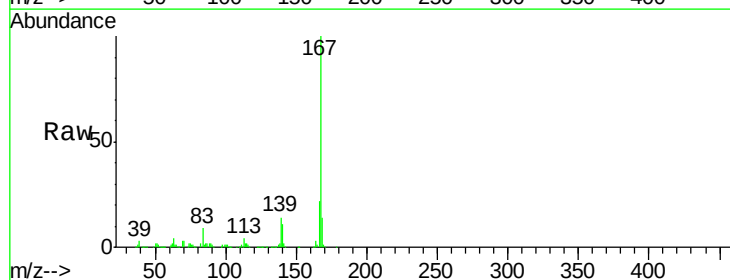
Tgt Ion:167 Resp: 1100134

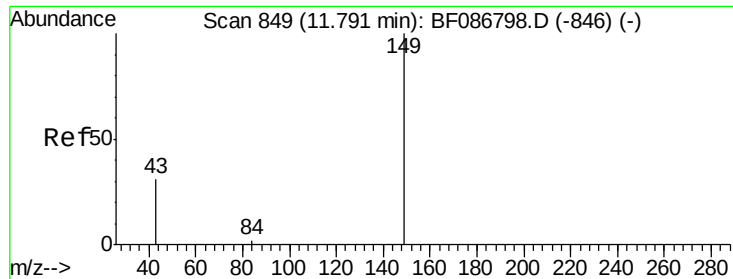
Ion Ratio Lower Upper

167 100

166 22.2 17.7 26.5

139 14.5 10.8 16.2





#73

Di-n-butylphthalate

Concen: 38.55 ng

RT: 11.79 min Scan# 849

Delta R.T. -0.03 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Instrument :

BNA_F

ClientSampleId :

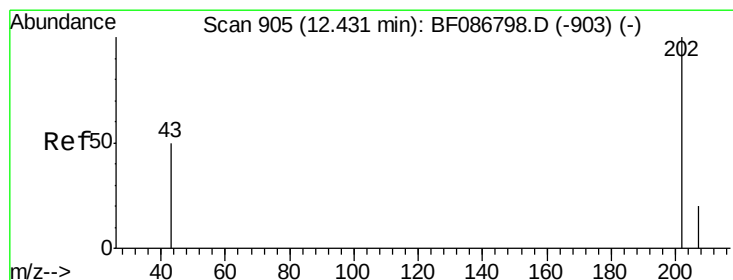
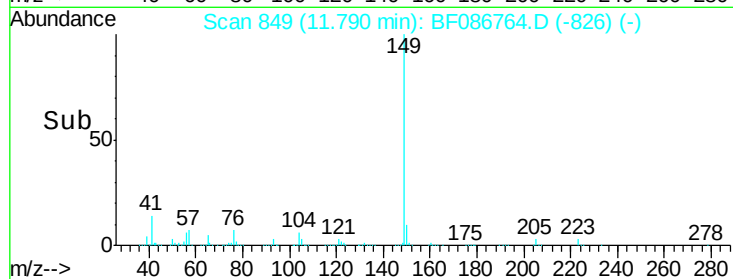
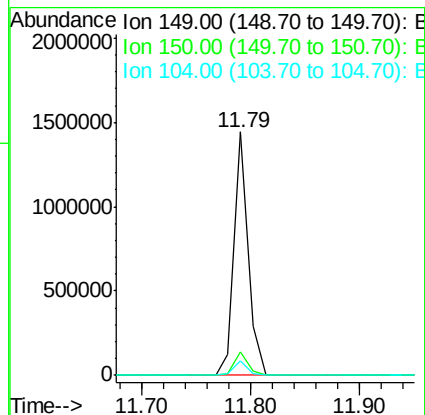
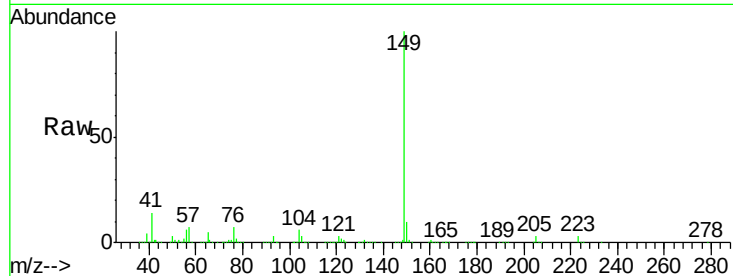
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Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.6	11.4
104	6.1	3.8	5.6



#74

Fluoranthene

Concen: 41.85 ng

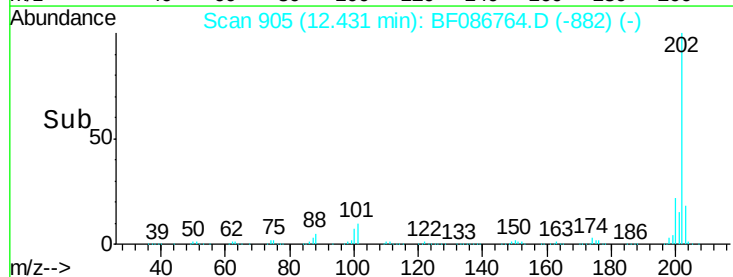
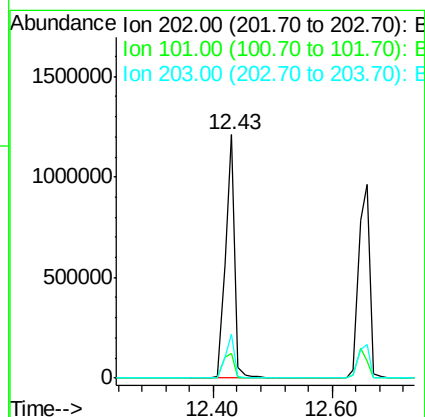
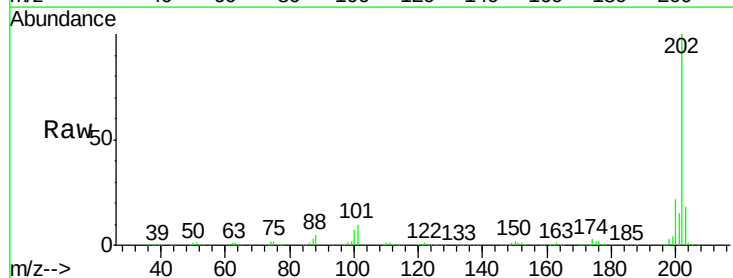
RT: 12.43 min Scan# 905

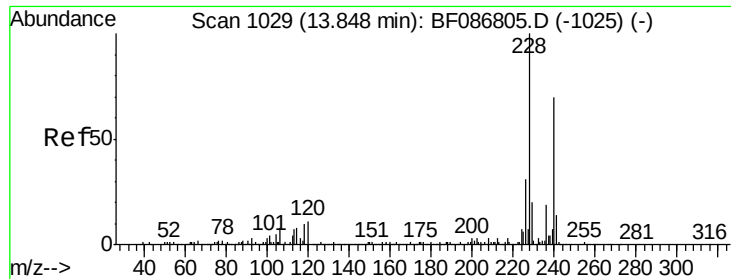
Delta R.T. -0.03 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	35.4
203	17.8	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: BF086764.D

Acq: 7 May 2016 10:27

Instrument :

BNA_F

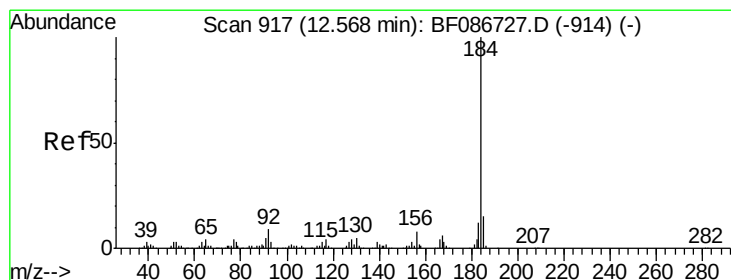
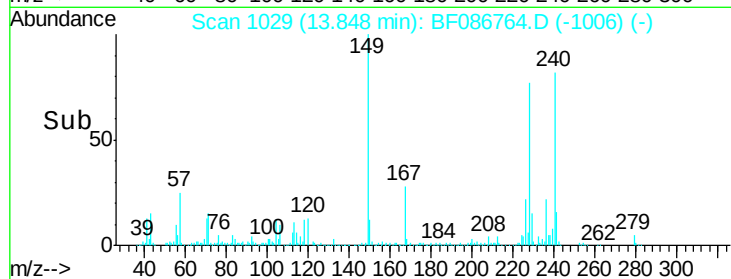
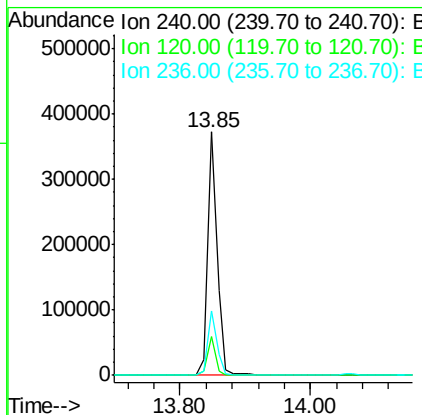
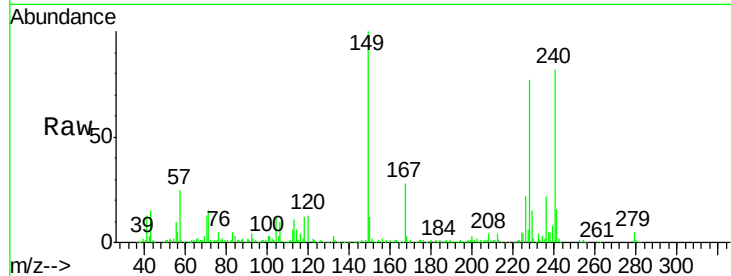
ClientSampleId :

PB90333BSD

Tgt Ion:	240	Resp:	378821
Ion Ratio	Lower	Upper	
240	100		
120	16.1	11.2	16.8
236	26.7	21.2	31.8

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#76

Benzidine

Concen: 26.33 ng

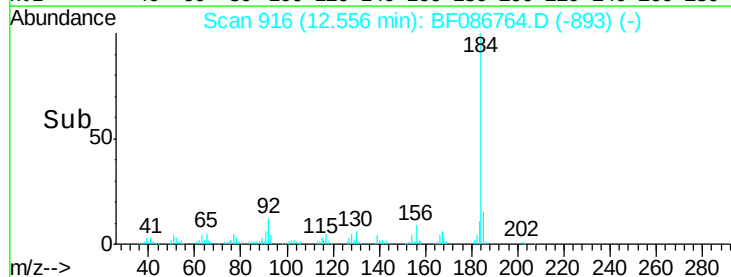
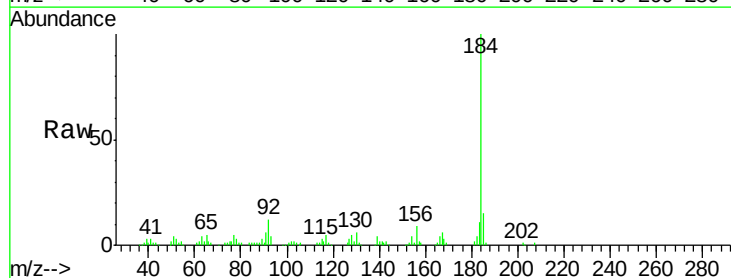
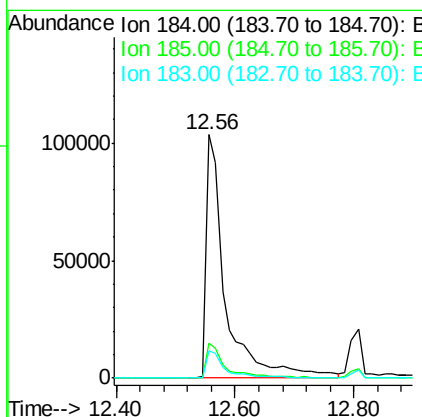
RT: 12.56 min Scan# 916

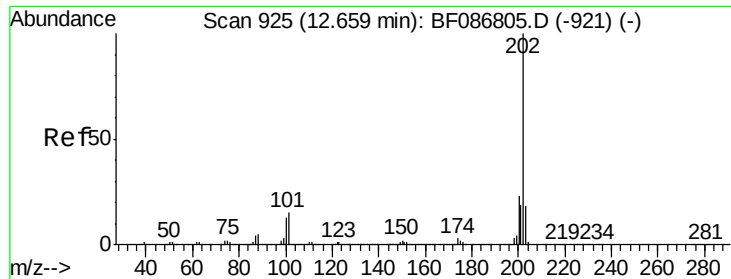
Delta R.T. -0.03 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Tgt Ion:	184	Resp:	234298
Ion Ratio	Lower	Upper	
184	100		
185	14.6	13.6	20.4
183	11.4	9.8	14.6





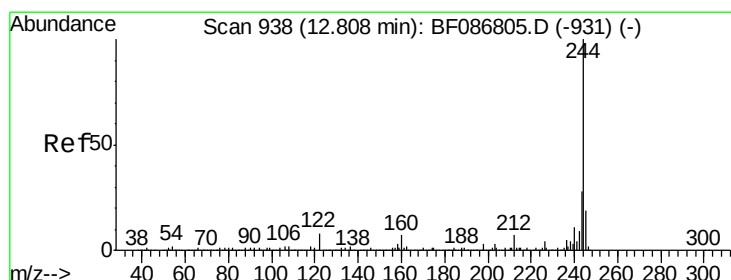
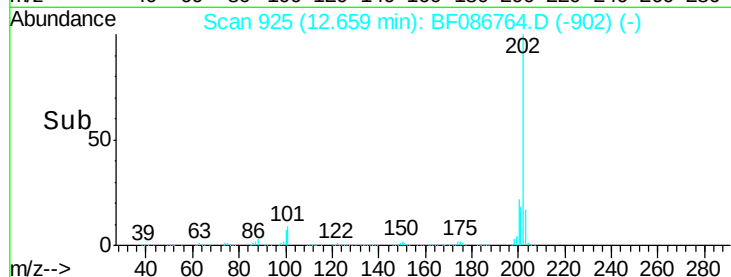
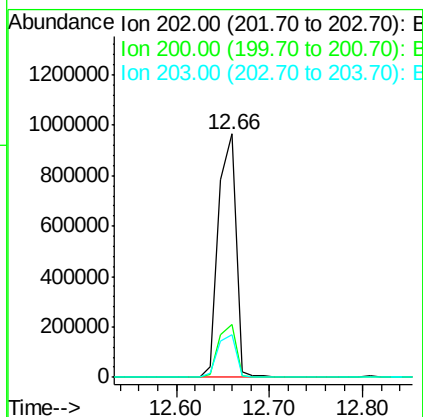
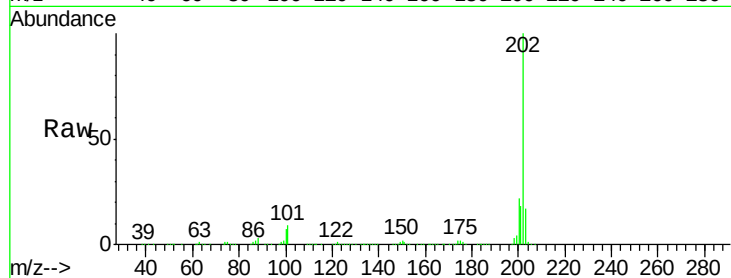
#77
 Pyrene
 Concen: 41.68 ng
 RT: 12.66 min Scan# 925
 Delta R.T. -0.03 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BSD

Tgt Ion:202 Resp: 1258739
 Ion Ratio Lower Upper
 202 100
 200 22.0 17.7 26.5
 203 17.4 14.2 21.4

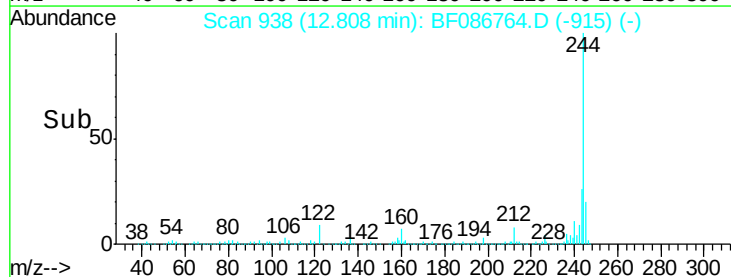
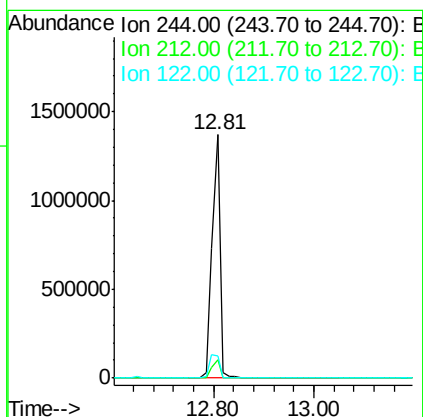
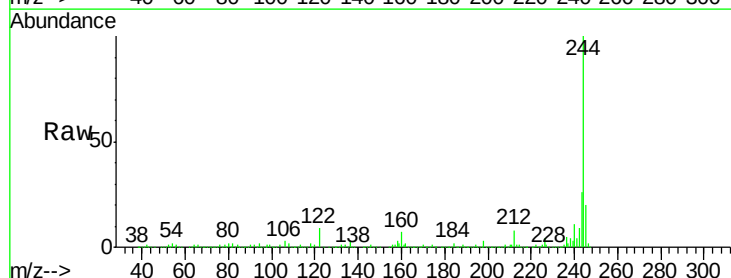
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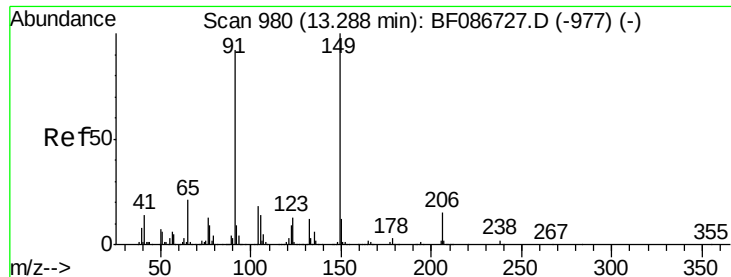
Sohil
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#78
 Terphenyl-d14
 Concen: 81.22 ng
 RT: 12.81 min Scan# 938
 Delta R.T. -0.03 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Tgt Ion:244 Resp: 1522446
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 8.9 12.0 18.0#





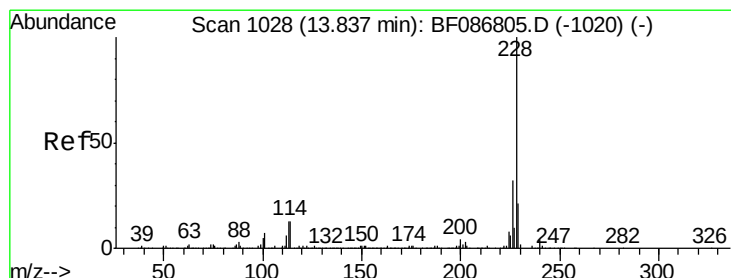
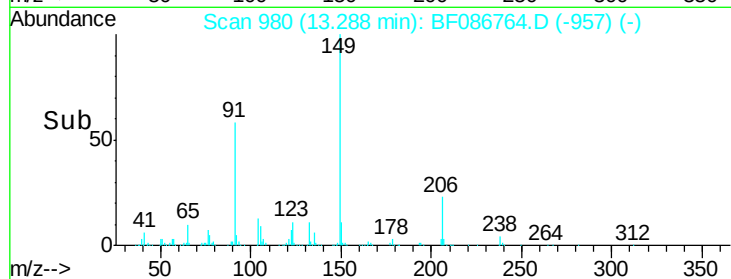
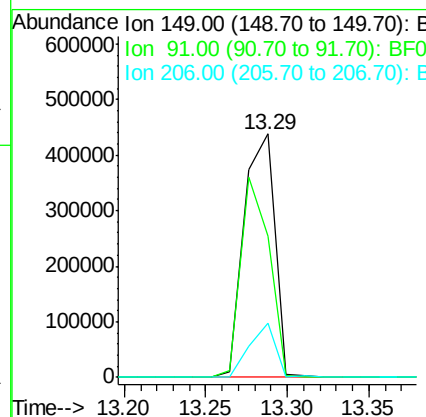
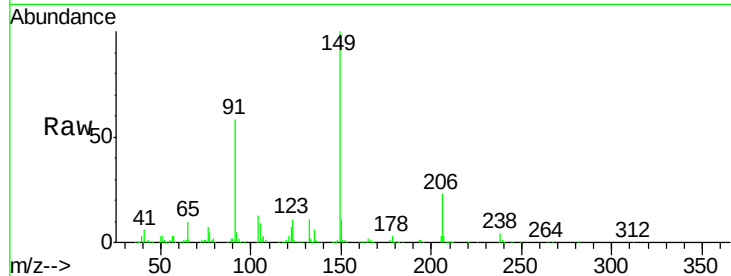
#79
Butylbenzylphthalate
Concen: 44.98 ng
RT: 13.29 min Scan# 980
Delta R.T. -0.03 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	58.1	48.0	72.0
206	22.5	15.8	23.6

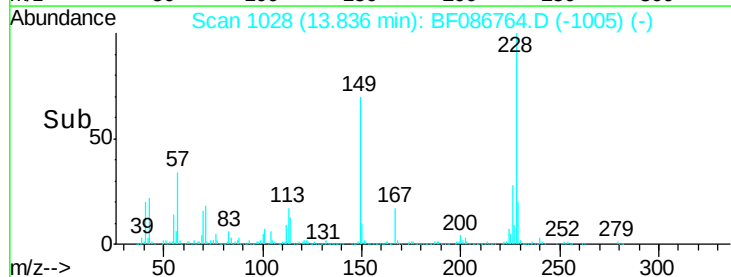
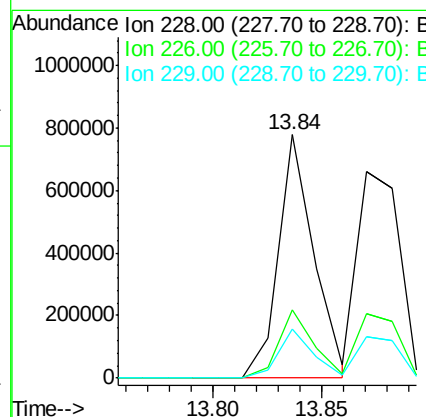
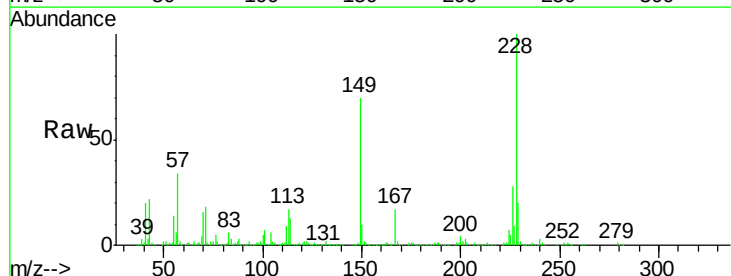
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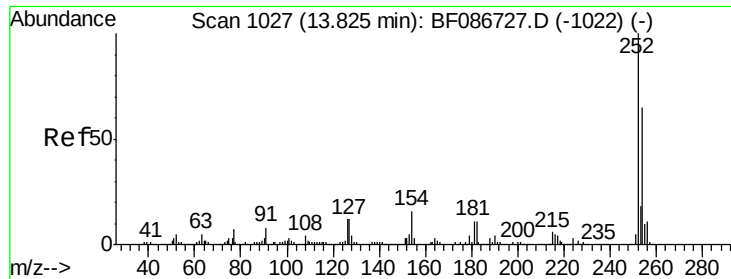
Sohil
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#80
Benzo(a)anthracene
Concen: 41.56 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.0	22.5	33.7
229	20.1	16.6	25.0





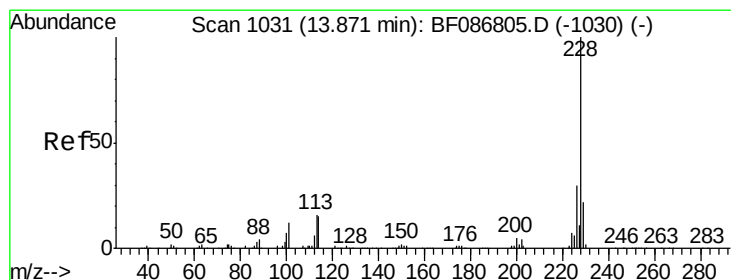
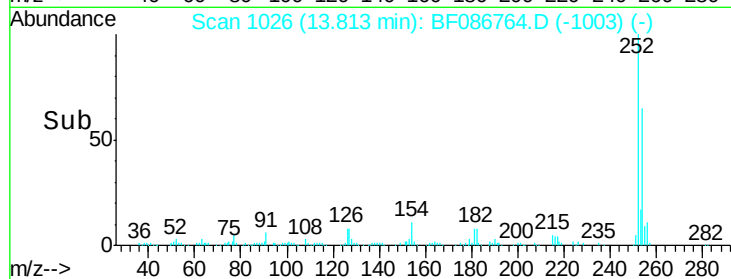
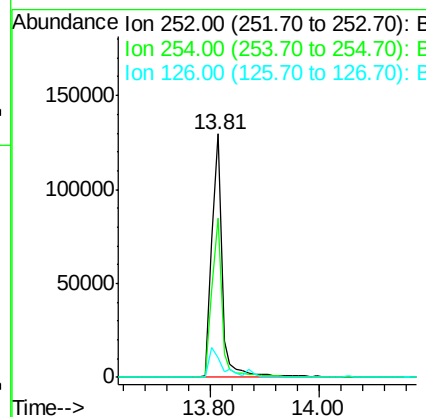
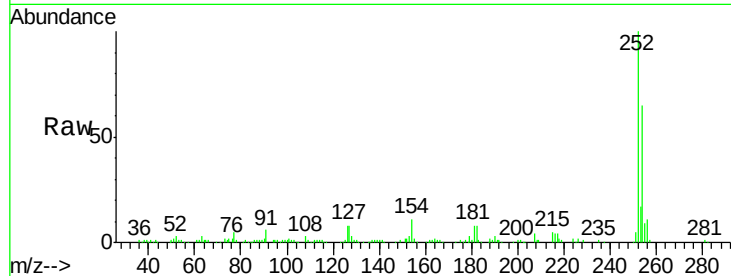
#81
 3,3'-Dichlorobenzidine
 Concen: 12.86 ng
 RT: 13.81 min Scan# 1026
 Delta R.T. -0.03 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	65.3	50.7	76.1
126	8.2	12.7	19.1

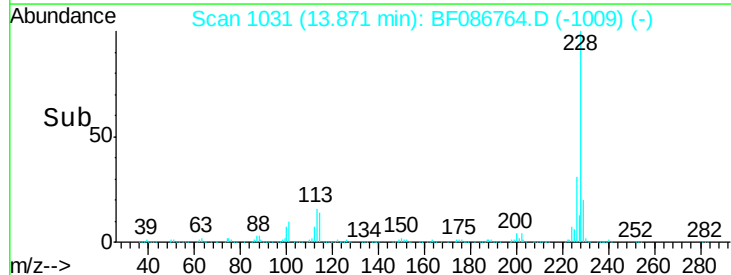
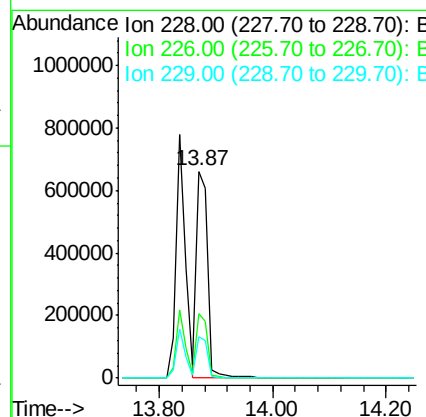
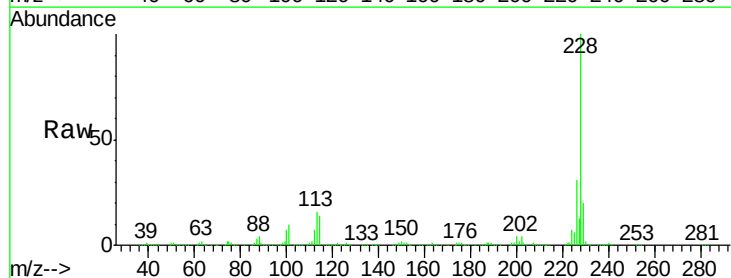
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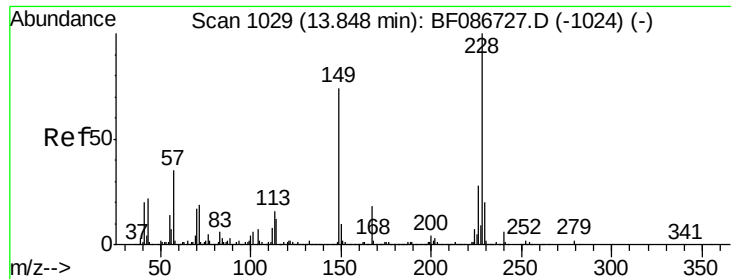
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#82
 Chrysene
 Concen: 40.61 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. -0.05 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.9	24.4	36.6
229	20.3	15.8	23.8





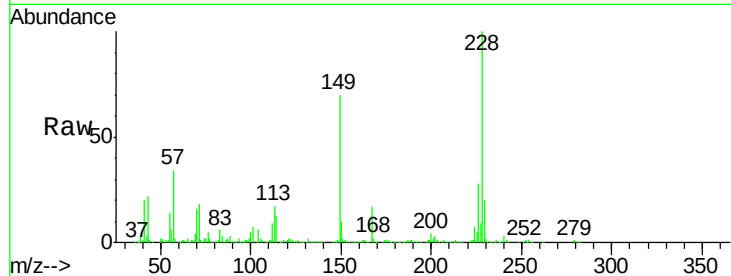
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.32 ng
 RT: 13.84 min Scan# 1028
 Delta R.T. -0.05 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BSD

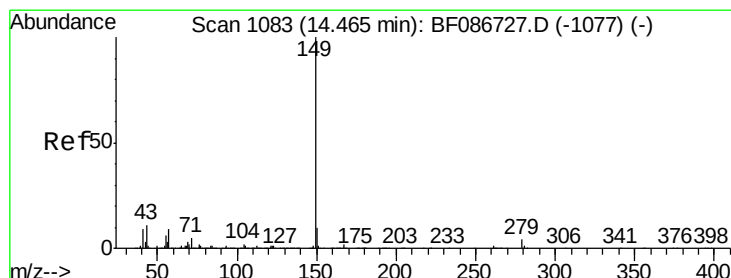
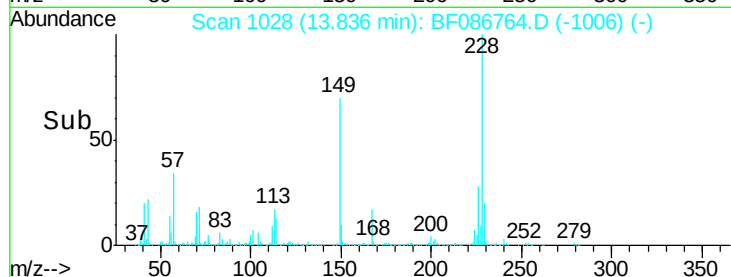
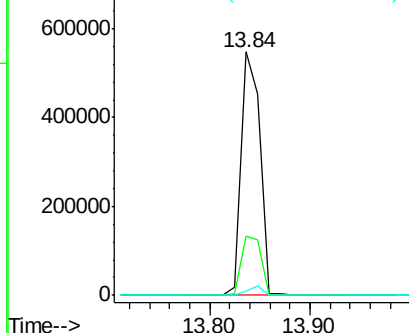
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	707350		
167	24.4	21.8	32.6	
279	1.8	2.6	4.0#	

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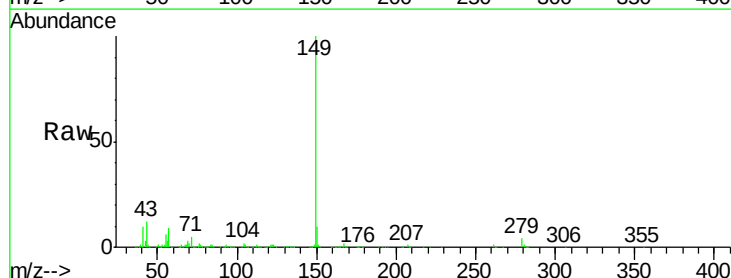


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

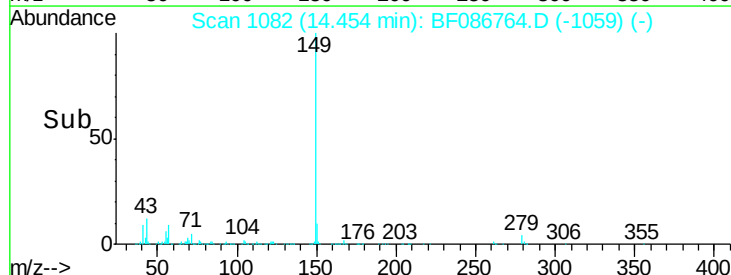
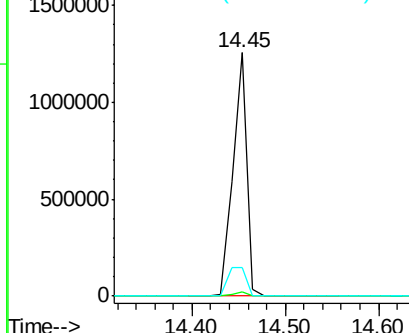


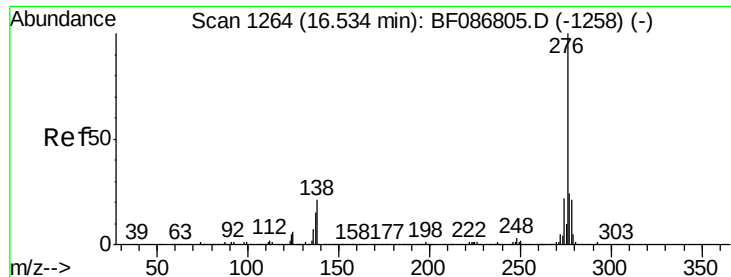
#84
 Di-n-octyl phthalate
 Concen: 60.43 ng
 RT: 14.45 min Scan# 1082
 Delta R.T. -0.03 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1301588		
167	1.5	1.2	1.8	
43	16.0	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





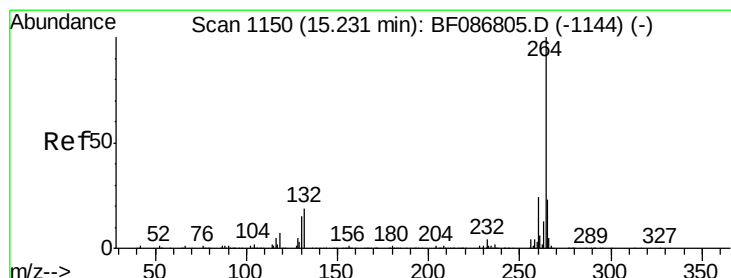
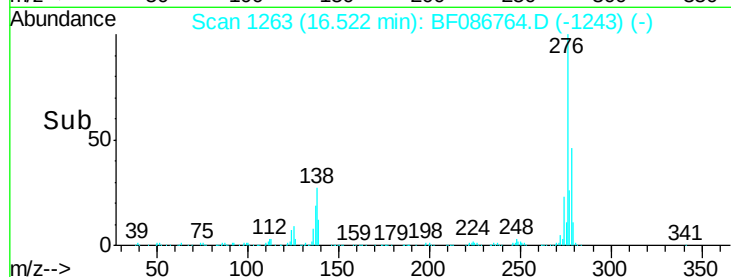
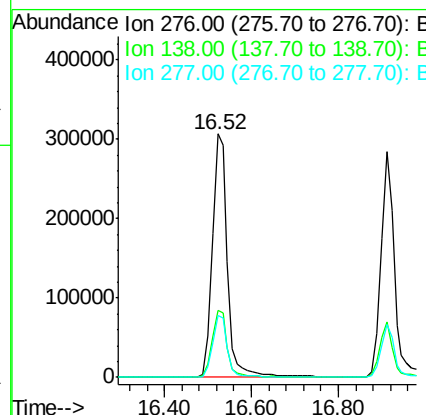
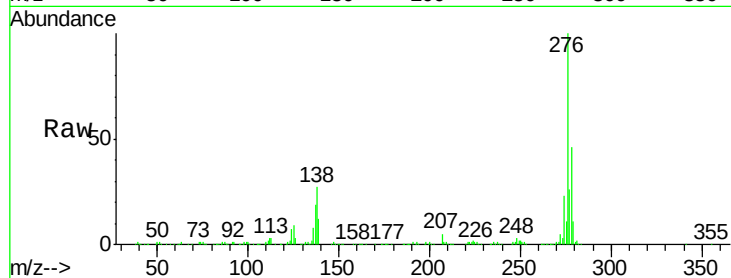
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 38.62 ng
 RT: 16.52 min Scan# 1263
 Delta R.T. -0.07 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BSD

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.6	38.4
277	25.2	20.5	30.7

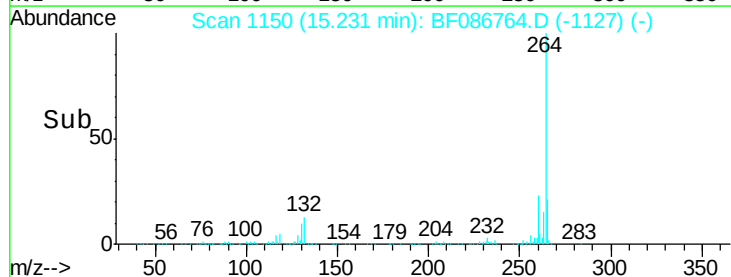
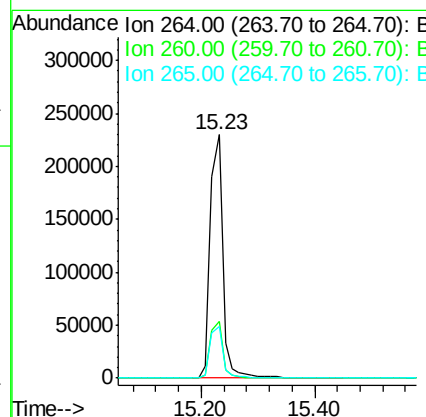
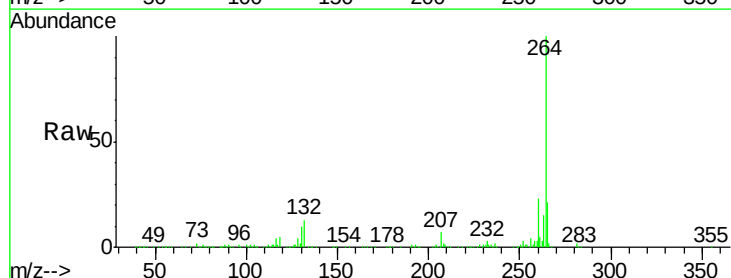
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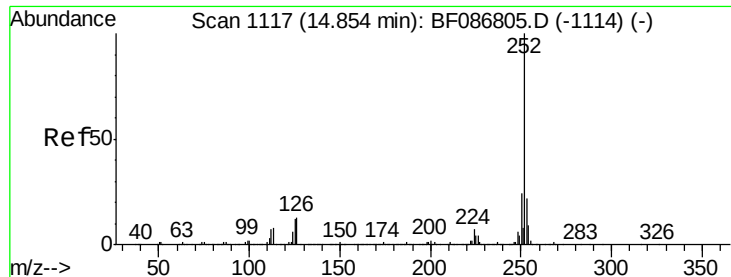
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#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.03 min
 Lab File: BF086764.D
 Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.3	17.3	25.9





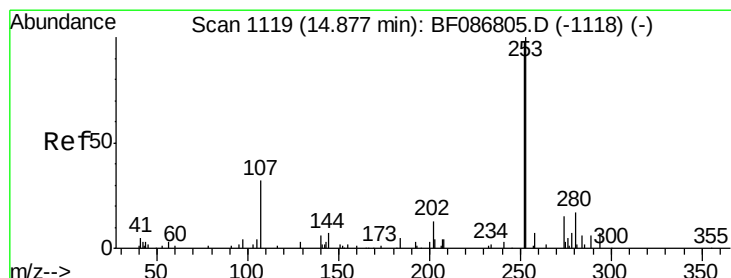
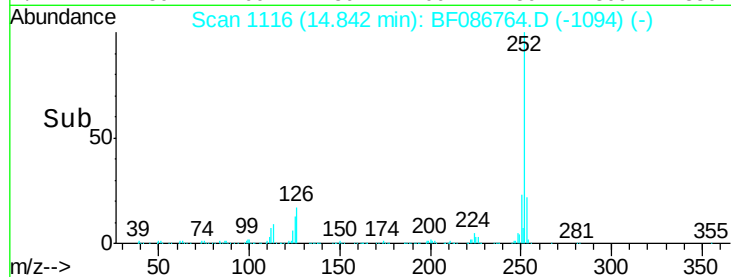
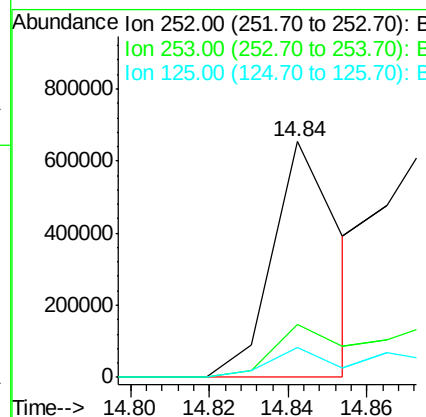
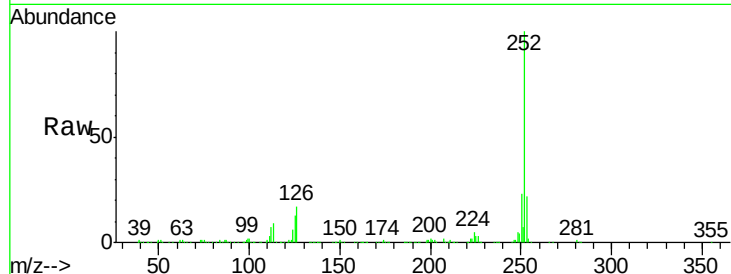
#87
Benzo(b)fluoranthene
Concen: 38.17 ng m
RT: 14.84 min Scan# 1116
Delta R.T. -0.05 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	12.9	11.4	17.0

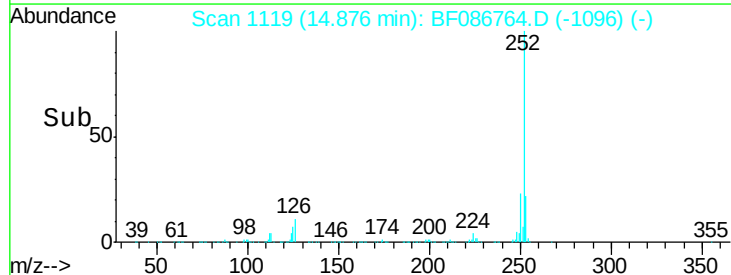
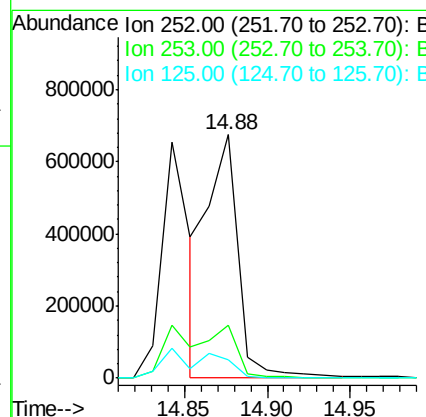
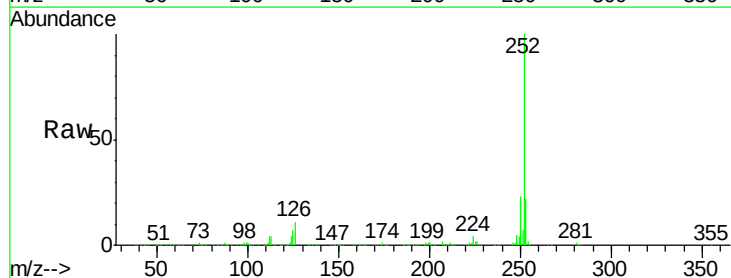
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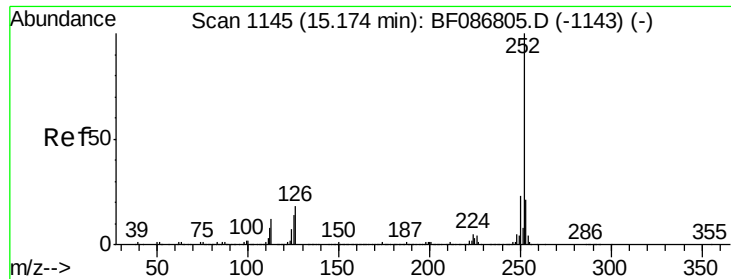
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#88
Benzo(k)fluoranthene
Concen: 45.24 ng m
RT: 14.88 min Scan# 1119
Delta R.T. -0.03 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	7.4	9.1	13.7#





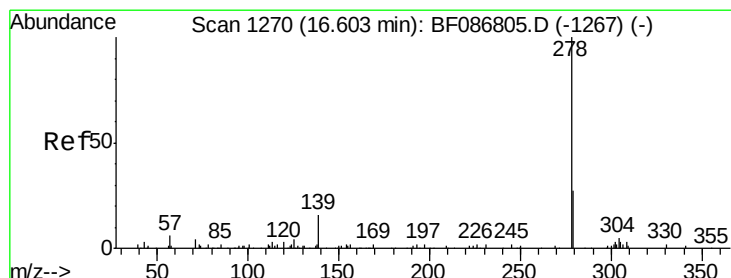
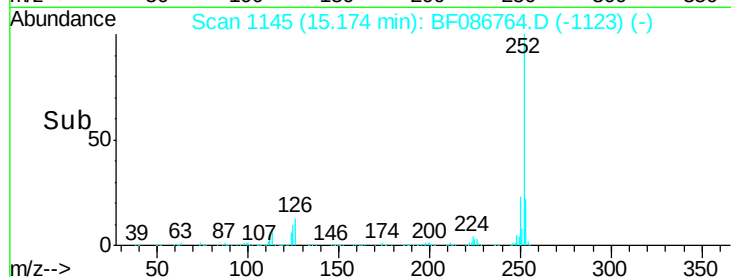
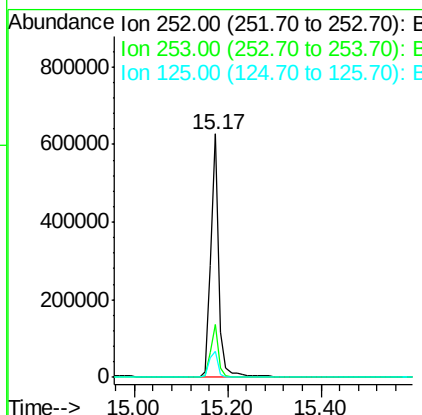
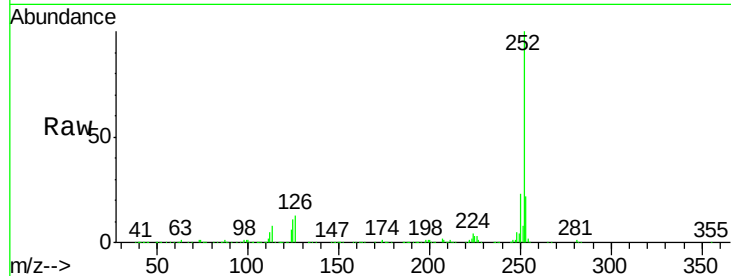
#89
Benzo(a)pyrene
Concen: 40.83 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.05 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Instrument :
BNA_F
ClientSampleId :
PB90333BSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	10.5	9.0	13.6

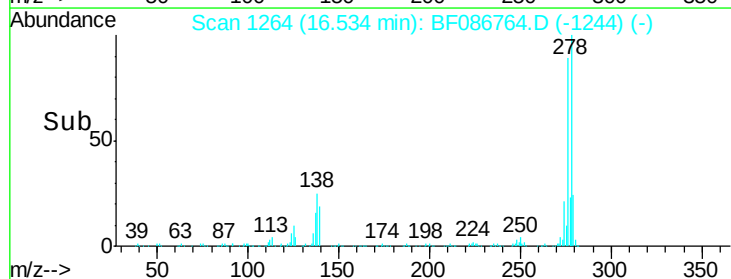
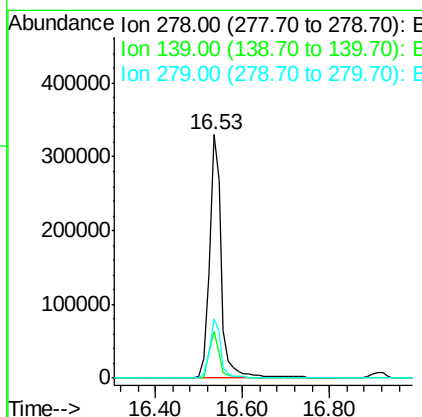
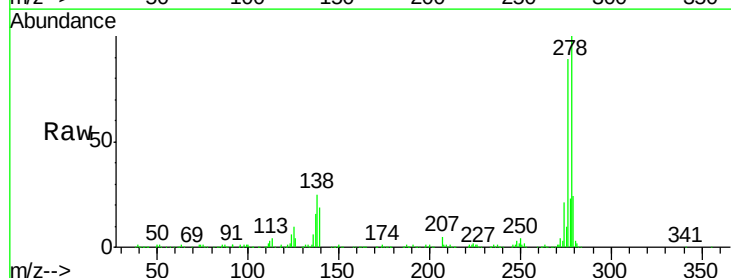
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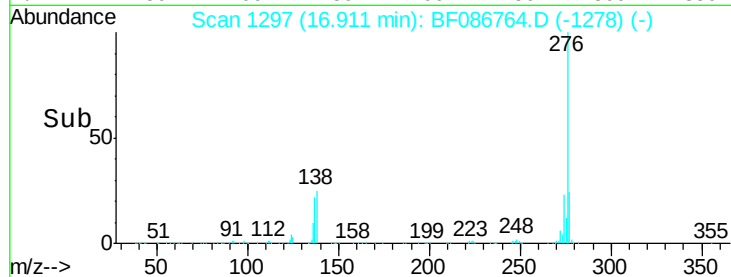
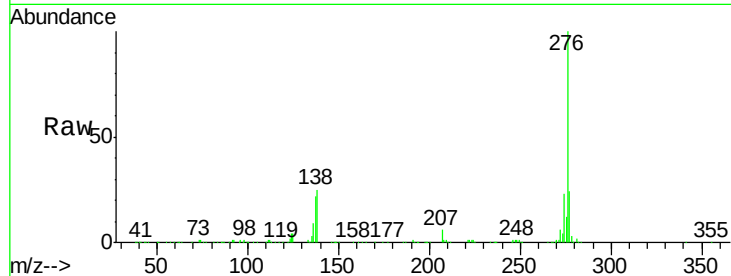
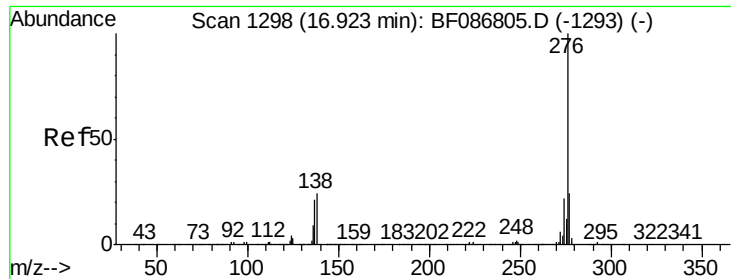
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 35.11 ng
RT: 16.53 min Scan# 1264
Delta R.T. -0.07 min
Lab File: BF086764.D
Acq: 7 May 2016 10:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.3	16.6	24.8
279	24.2	19.6	29.4





#91

Benzo(g,h,i)perylene

Concen: 32.87 ng

RT: 16.91 min Scan# 1297

Delta R.T. -0.08 min

Lab File: BF086764.D

Acq: 7 May 2016 10:27

Instrument :

BNA_F

ClientSampleId :

PB90333BSD

Tgt Ion:	276	Resp:	622681
Ion Ratio	Lower	Upper	
276	100		
277	23.6	19.6	29.4
138	24.6	23.6	35.4

Manual Integrations
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