

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105186.D
 Acq On : 9 May 2018 10:50
 Operator : JU/SJ
 Sample : J2754-16
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 11:45:32 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 08 16:33:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	210599	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	847497	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	414973	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	823616	20.00	ng	0.00
75) Chrysene-d12	14.01	240	711730	20.00	ng	0.00
86) Perylene-d12	15.57	264	588064	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1560584	122.08	ng	0.02
7) Phenol-d6	6.42	99	1699990	111.68	ng	0.00
23) Nitrobenzene-d5	7.35	82	1362911	108.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	690615	150.85	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2493584	93.27	ng	0.00
78) Terphenyl-d14	12.92	244	2663054	86.91	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.48	88	128	0.019	ng	# 77
4) n-Nitrosodimethylamine	3.19	42	194	0.021	ng	# 1
6) Aniline	6.56	93	2284	0.103	ng	# 1
8) 2-Chlorophenol	6.57	128	751	0.055	ng	# 1
9) Benzaldehyde	6.42	77	2810	0.241	ng	# 1
10) Phenol	6.43	94	364	0.021	ng	# 1
11) bis(2-Chloroethyl)ether	6.56	93	2284	0.164	ng	# 1
12) 1,3-Dichlorobenzene	6.94	146	133	0.008	ng	# 1
13) 1,4-Dichlorobenzene	6.94	146	133	0.008	ng	# 1
14) 1,2-Dichlorobenzene	6.94	146	133	0.009	ng	# 1
15) Benzyl Alcohol	6.95	79	22380	1.921	ng	# 33
16) 2,2'-oxybis(1-Chloropropan	7.07	45	516	0.020	ng	# 70
17) 2-Methylphenol	6.94	107	120	0.010	ng	# 1
19) n-Nitroso-di-n-propylamine	7.35	70	186693	18.525	ng	# 82
20) 3+4-Methylphenols	6.94	107	120	0.009	ng	# 1
22) Acetophenone	7.19	105	2601	0.132	ng	# 91
24) Nitrobenzene	7.35	77	4225	0.298	ng	# 37
25) Isophorone	7.35	82	1360898	48.663	ng	# 64
31) Naphthalene	8.09	128	63063	1.545	ng	# 98
32) Benzoic acid	8.07	122	127	9.159	ng	# 1
33) 4-Chloroaniline	8.09	127	8558	0.504	ng	# 38
35) Caprolactam	8.46	113	1030	0.292	ng	# 97
37) 2-Methylnaphthalene	8.78	142	12413	0.436	ng	# 99
45) 1,1'-Biphenyl	9.25	154	10552	0.312	ng	# 95
47) 2-Nitroaniline	9.15	65	4226	6.309	ng	# 1
48) Acenaphthylene	9.68	152	1758	0.045	ng	# 83
50) 2,6-Dinitrotoluene	9.82	165	55016	9.025	ng	# 25
51) Acenaphthene	9.86	154	7460	0.297	ng	# 91
52) 3-Nitroaniline	9.93	138	147	0.023	ng	# 2
54) Dibenzofuran	10.03	168	7212	0.196	ng	# 92
55) 4-Nitrophenol	10.03	139	2484	4.707	ng	# 9
56) 2,4-Dinitrotoluene	9.82	165	55016	9.886	ng	# 23
57) Fluorene	10.37	166	6636	0.246	ng	# 90
59) Diethylphthalate	10.25	149	4920	0.178	ng	# 95

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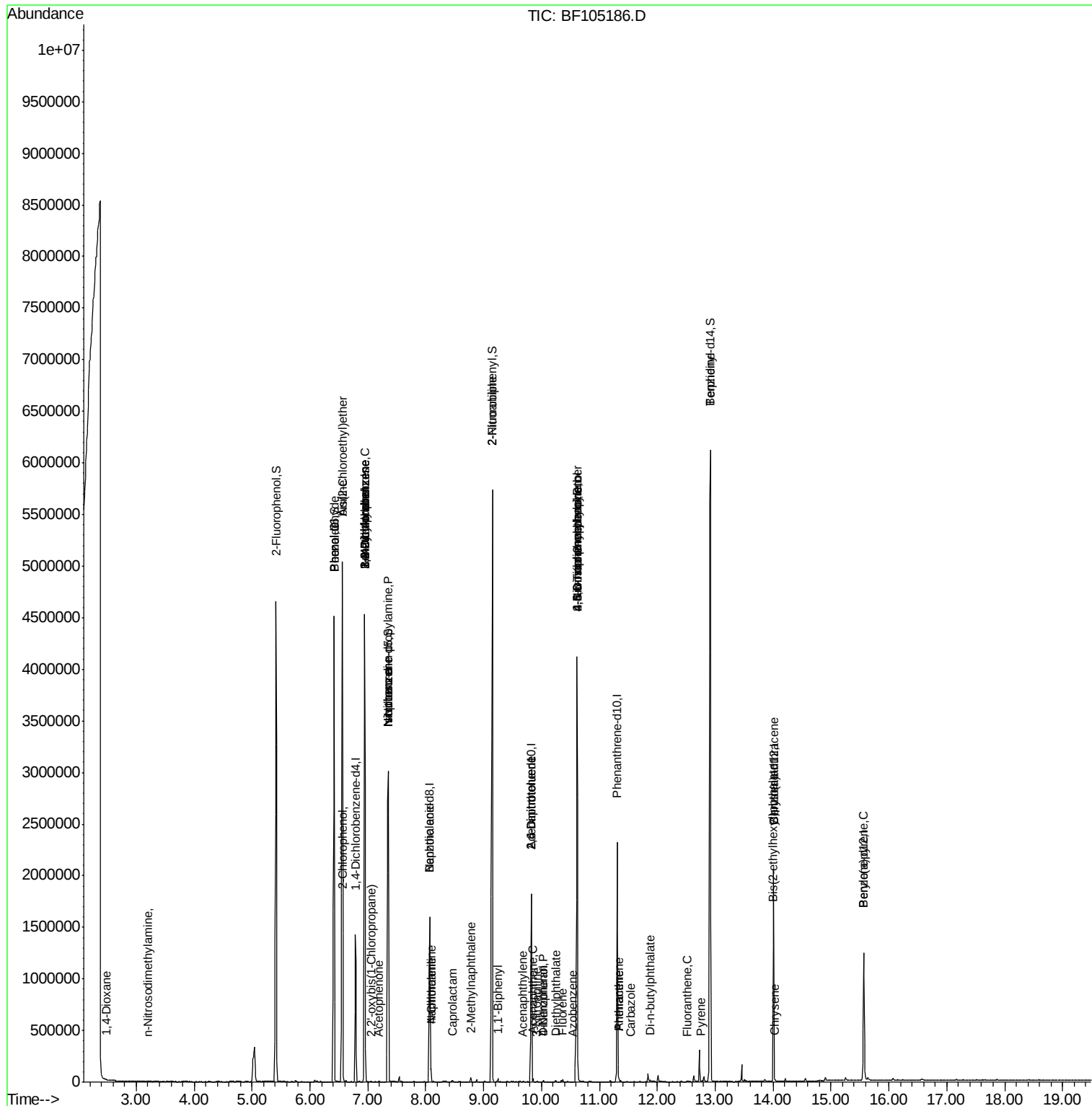
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

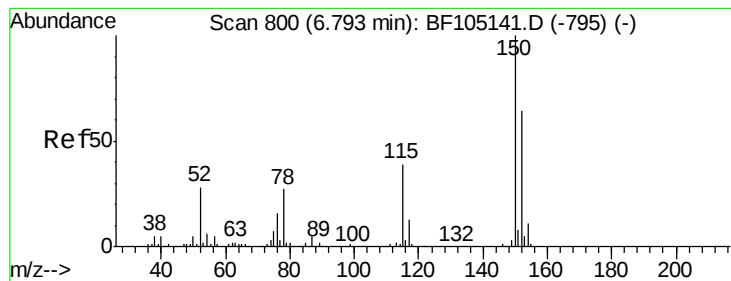
62) Azobenzene	10.54	77	121	0.004	nq	# 11
64) 4,6-Dinitro-2-methylphenol	10.62	198	1322	9.215	nq	# 1
65) n-Nitrosodiphenylamine	10.62	169	17737	0.691	nq	# 47
66) 4-Bromophenyl-phenylether	10.62	248	40135	4.569	nq	# 1
70) Phenanthrene	11.33	178	19287	0.444	nq	96
71) Anthracene	11.33	178	19287	0.437	nq	97
72) Carbazole	11.54	167	455	0.011	nq	# 59
73) Di-n-butylphthalate	11.87	149	5894	0.139	nq	# 98
74) Fluoranthene	12.52	202	2299	0.051	nq	82
76) Benzydine	12.92	184	32757	1.232	nq	# 94
77) Pyrene	12.75	202	1508	0.029	nq	# 96
80) Benzo(a)anthracene	14.01	228	1782	0.041	nq	# 56
82) Chrysene	14.04	228	112	0.003	nq	# 48
83) Bis(2-ethylhexyl)phthalate	14.00	149	531	0.025	nq	# 43
89) Benzo(a)pyrene	15.57	252	2032	0.062	nq	# 77

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

```
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

Instrument :

BNA_F

ClientSampled :

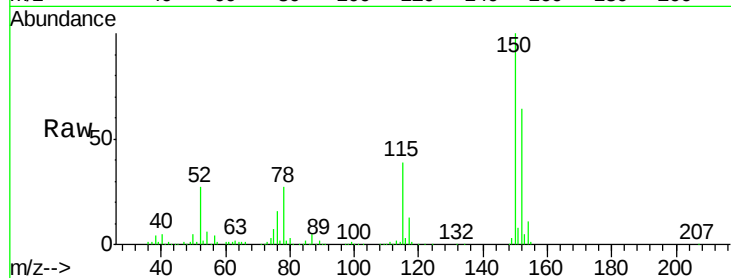
Tot Ion:152 Resp: 210599

Ion Ratio Lower Upper

152 100

150 157.3 124.6 186.8

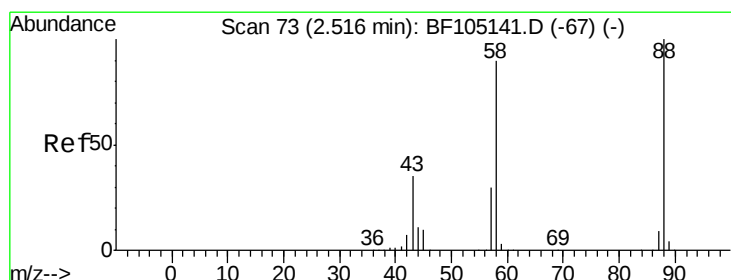
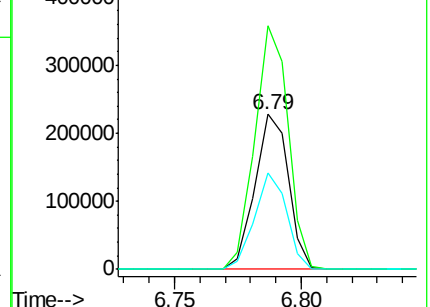
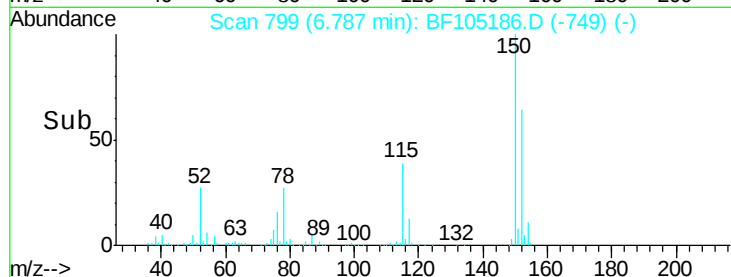
115 62.1 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.019 ng

RT: 2.48 min Scan# 66

Delta R.T. -0.04 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

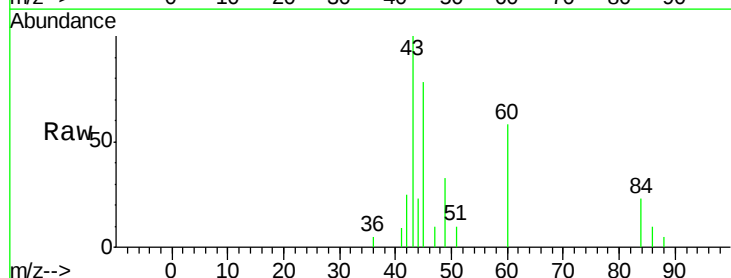
Tgt Ion: 88 Resp: 128

Ion Ratio Lower Upper

88 100

58 86.7 62.6 93.8

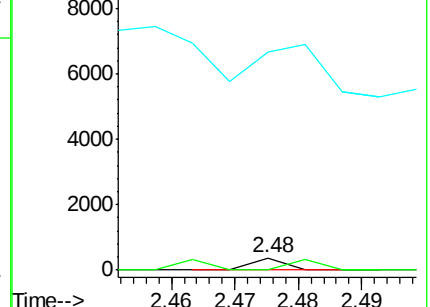
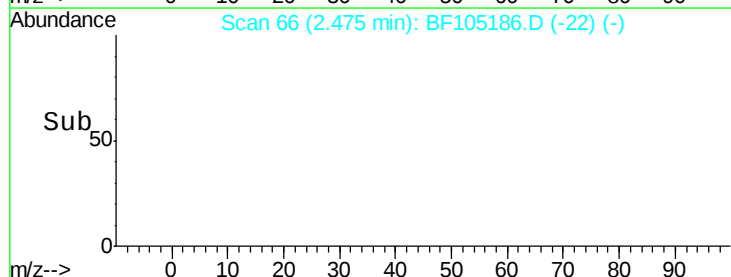
43 0.0 24.6 37.0#

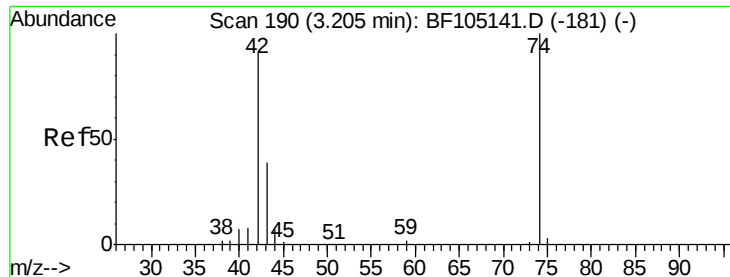


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1



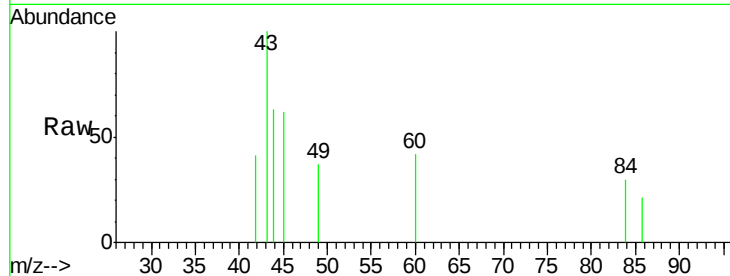


#4

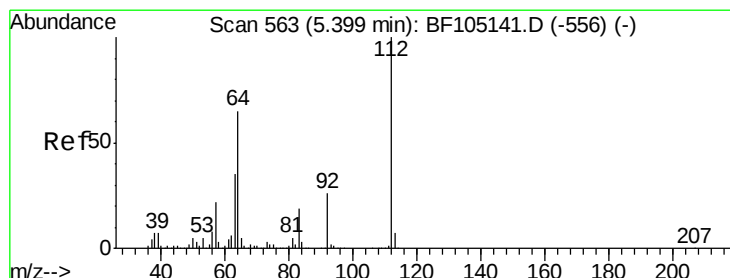
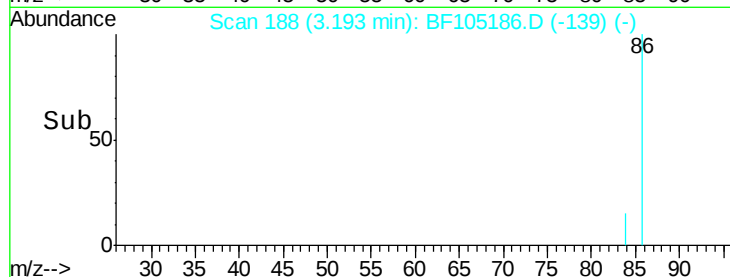
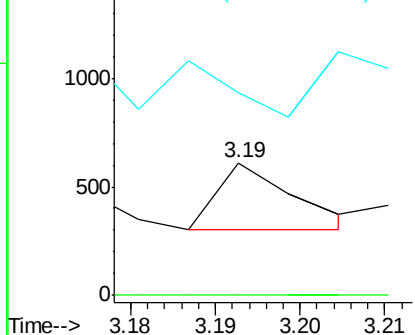
n-Nitrosodimethylamine
 Concen: 0.021 ng
 RT: 3.19 min Scan# 188
 Delta R.T. -0.01 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 42 Resp: 194
 Ion Ratio Lower Upper
 42 100
 74 0.0 104.9 157.3#
 44 152.8 6.9 10.3#



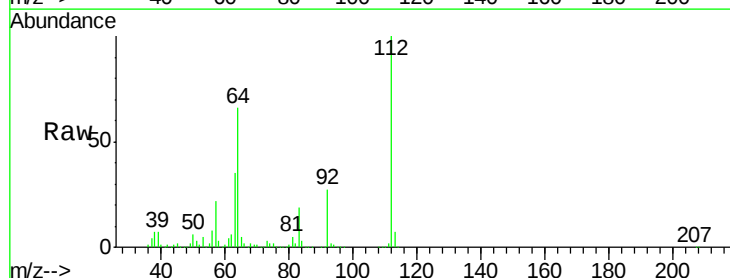
Abundance Ion 42.00 (41.70 to 42.70): BF1
 Ion 74.00 (73.70 to 74.70): BF1
 Ion 44.00 (43.70 to 44.70): BF1



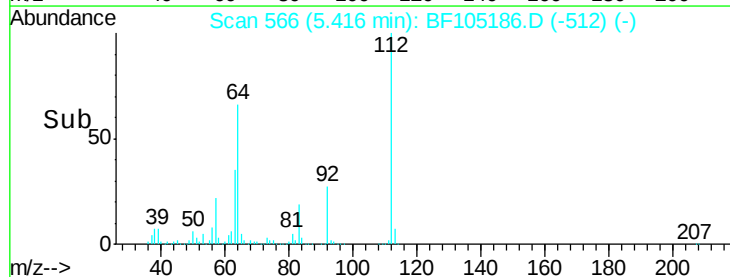
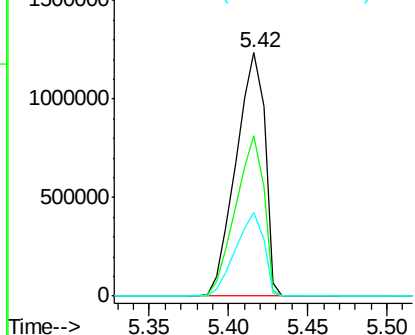
#5

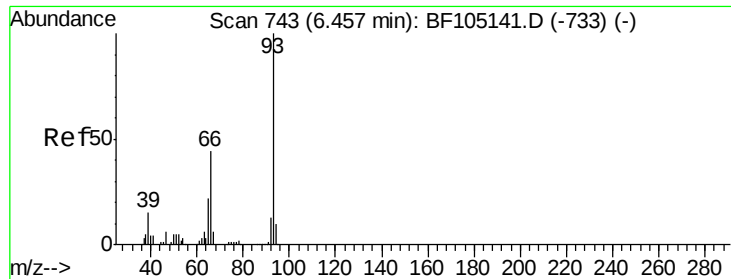
2-Fluorophenol
 Concen: 122.078 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.02 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

Tgt Ion: 112 Resp: 1560584
 Ion Ratio Lower Upper
 112 100
 64 66.0 47.9 71.9
 63 34.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#6

Aniline

Concen: 0.103 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.11 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

Instrument :

BNA_F

ClientSampleId :

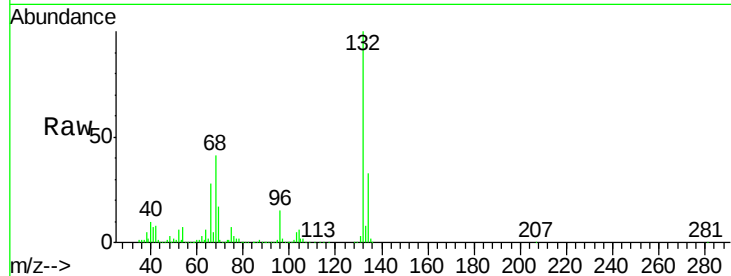
Tot Ion: 93 Resp: 2284

Ion Ratio Lower Upper

93 100

66 20781.9 32.2 48.2#

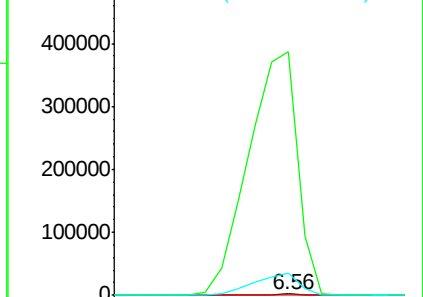
65 1841.2 16.4 24.6#



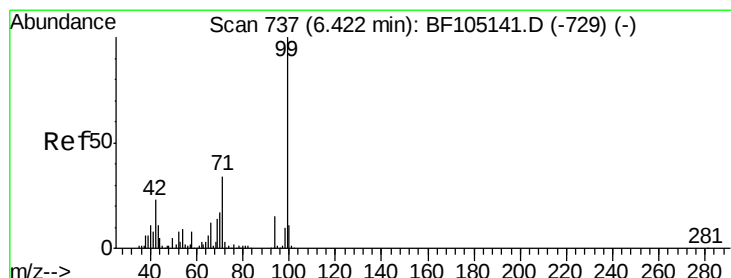
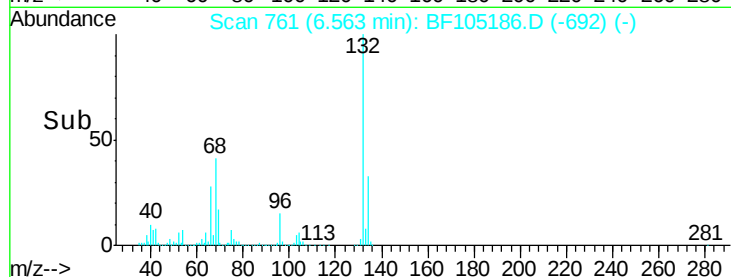
Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



Time-->



#7

Phenol-d6

Concen: 111.685 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

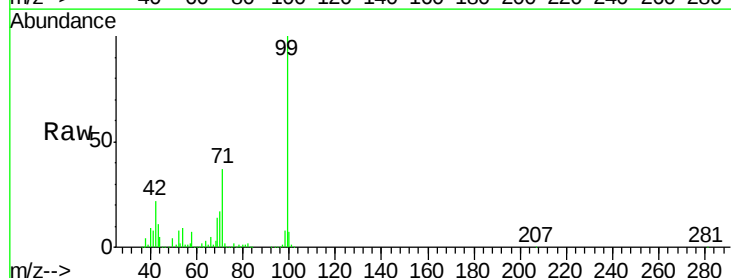
Tgt Ion: 99 Resp: 1699990

Ion Ratio Lower Upper

99 100

42 22.0 14.5 21.7#

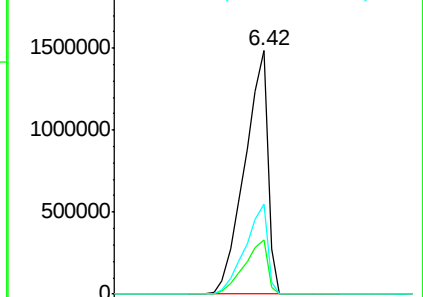
71 36.8 25.4 38.0



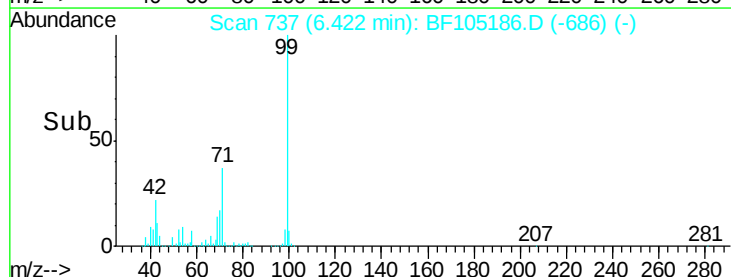
Abundance Ion 99.00 (98.70 to 99.70): BF1

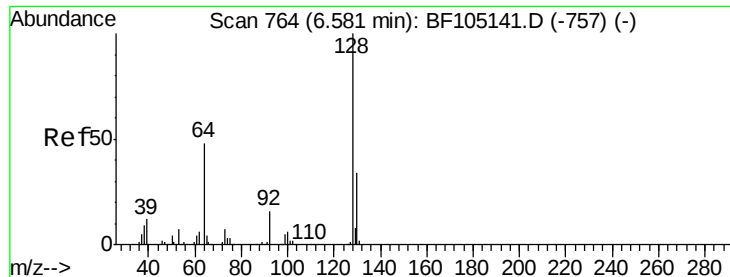
Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->





#8

2-Chlorophenol

Concen: 0.055 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

Instrument :

BNA_F

ClientSampleId :

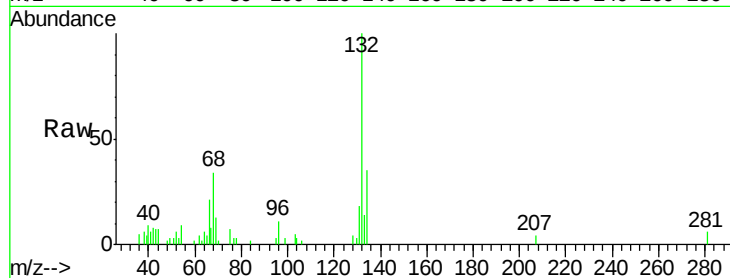
Tot Ion:128 Resp: 751

Ion Ratio Lower Upper

128 100

130 75.4 13.0 53.0#

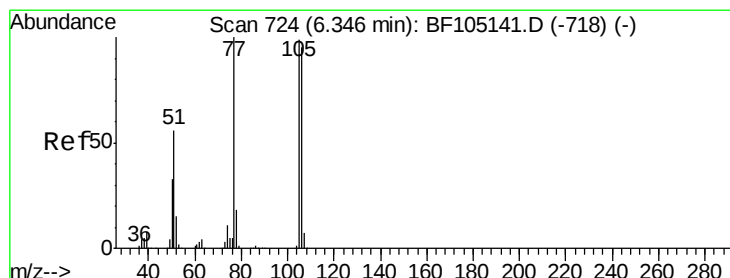
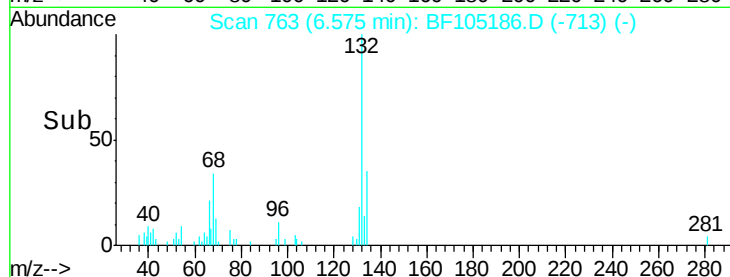
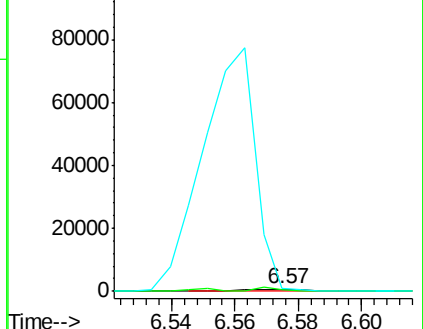
64 146.3 29.4 69.4#



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): BF1



#9

Benzaldehyde

Concen: 0.241 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.08 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

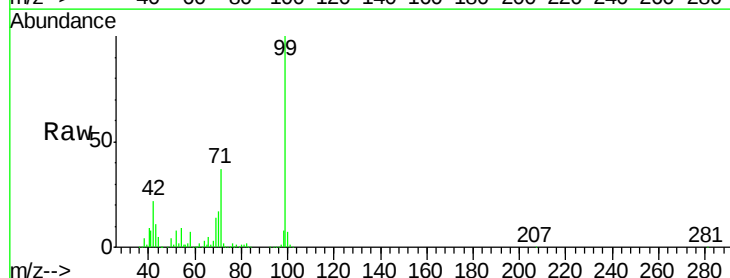
Tgt Ion: 77 Resp: 2810

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

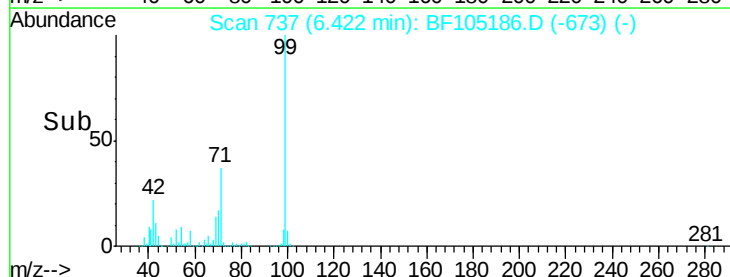
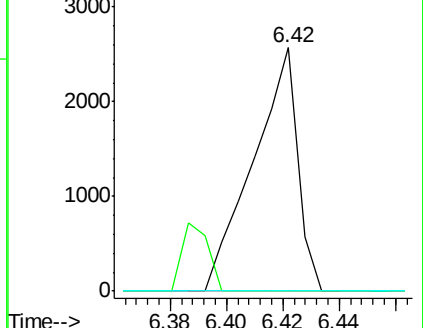
106 0.0 74.5 114.5#

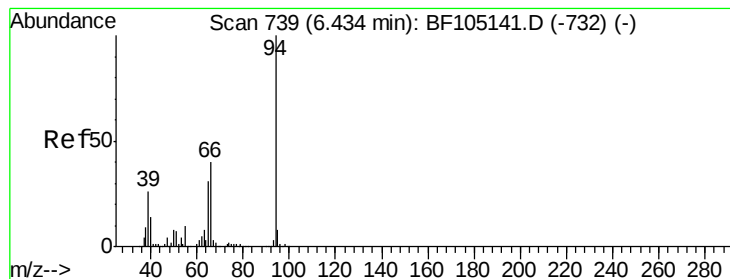


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.021 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

Instrument :

BNA_F

ClientSampled :

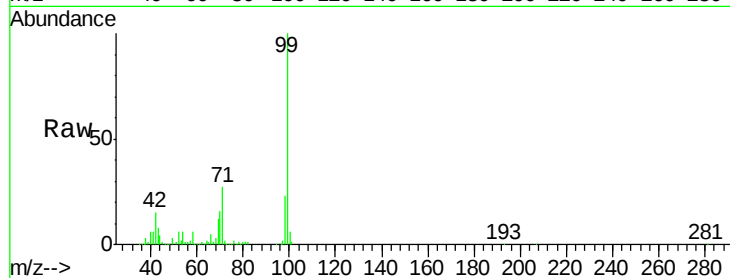
Tot Ion: 94 Resp: 364

Ion Ratio Lower Upper

94 100

65 472.8 7.9 47.9#

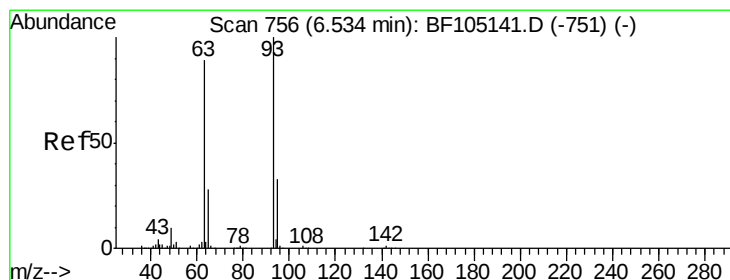
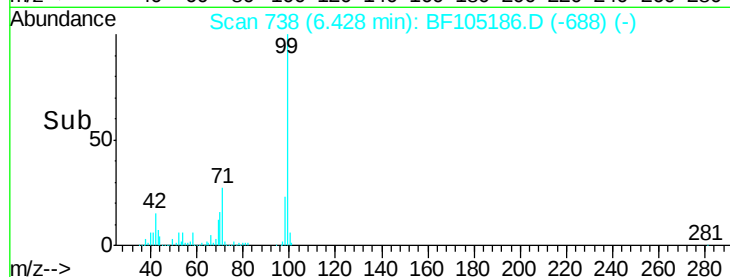
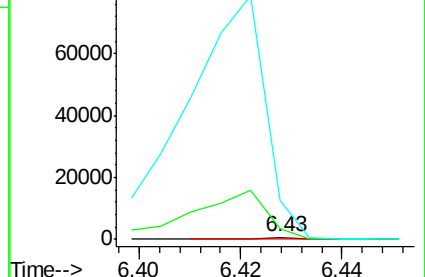
66 1797.1 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#11

bis(2-Chloroethyl)ether

Concen: 0.164 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.03 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

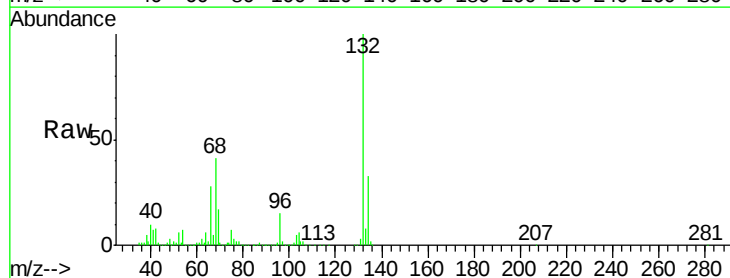
Tgt Ion: 93 Resp: 2284

Ion Ratio Lower Upper

93 100

63 930.7 58.6 98.6#

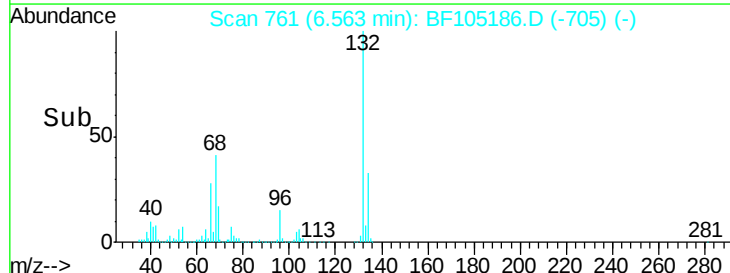
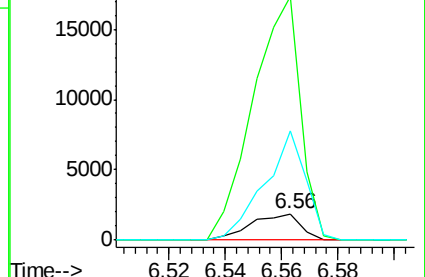
95 415.0 11.8 51.8#

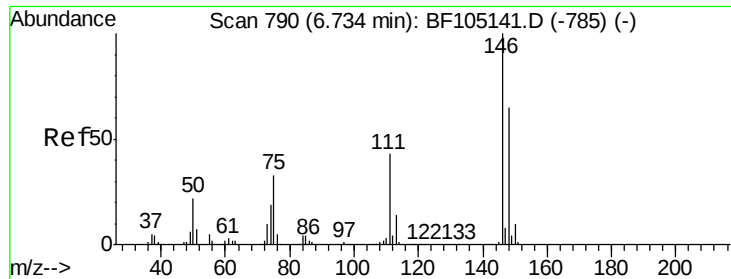


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1





#12

1,3-Dichlorobenzene

Concen: 0.008 ng

RT: 6.94 min Scan# 825

Delta R.T. 0.21 min

Lab File: BF105186.D

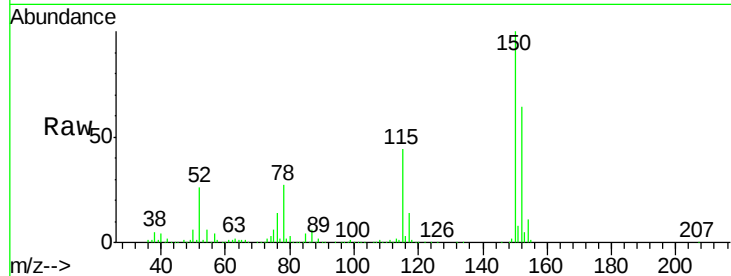
Acq: 9 May 2018 10:50

Instrument :

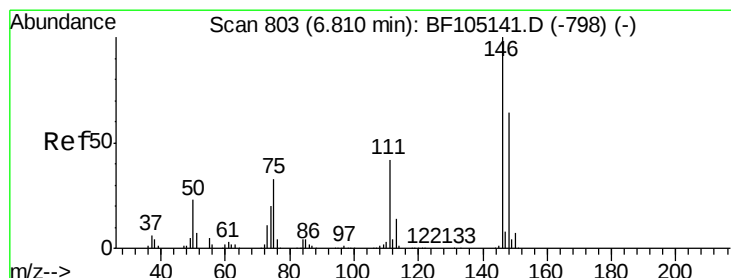
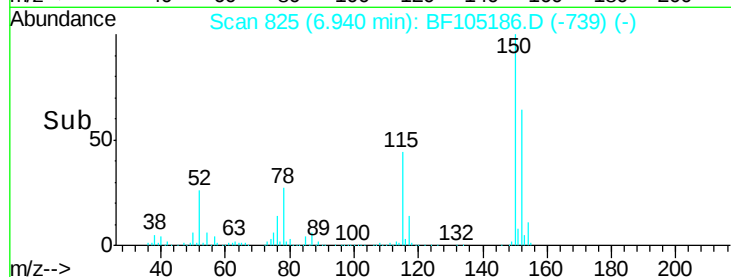
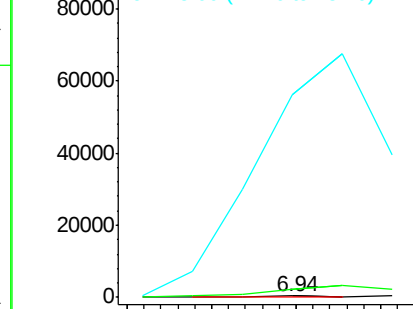
BNA_F

ClientSampled :

Tot Ion:146 Resp: 133
 Ion Ratio Lower Upper
 146 100
 148 613.5 51.8 77.8#
 75 14883.8 24.2 36.4#



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF1



#13

1,4-Dichlorobenzene

Concen: 0.008 ng

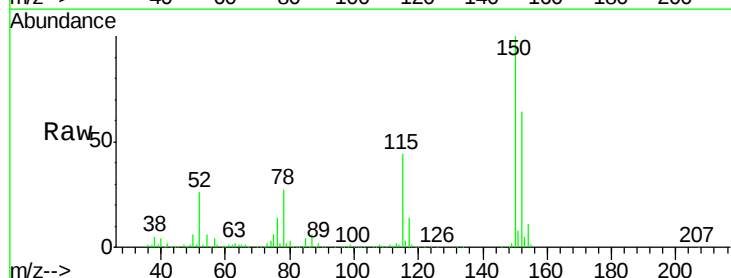
RT: 6.94 min Scan# 825

Delta R.T. 0.13 min

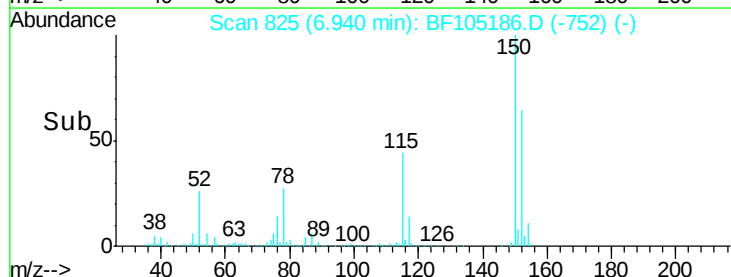
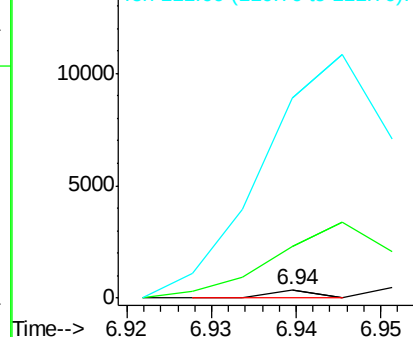
Lab File: BF105186.D

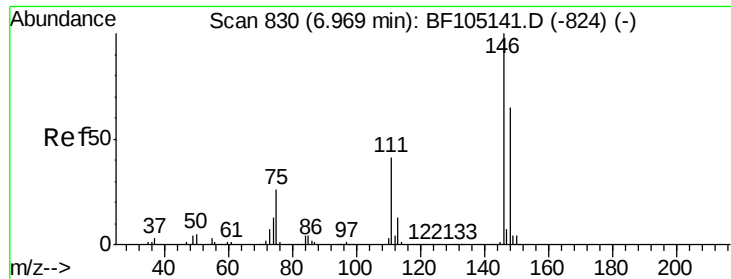
Acq: 9 May 2018 10:50

Tgt Ion:146 Resp: 133
 Ion Ratio Lower Upper
 146 100
 148 613.5 50.8 76.2#
 111 2356.2 34.2 51.2#



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.009 ng

RT: 6.94 min Scan# 825

Delta R.T. -0.03 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

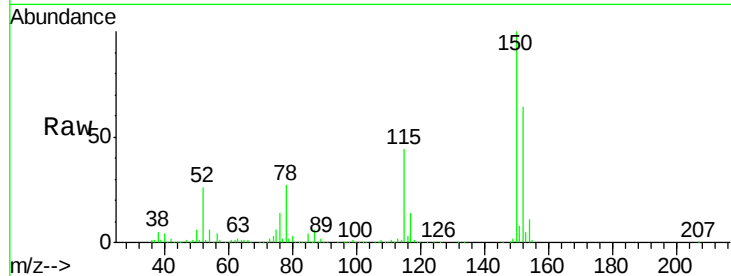
Instrument :

BNA_F

ClientSampled :

Tot Ion:146 Resp: 133

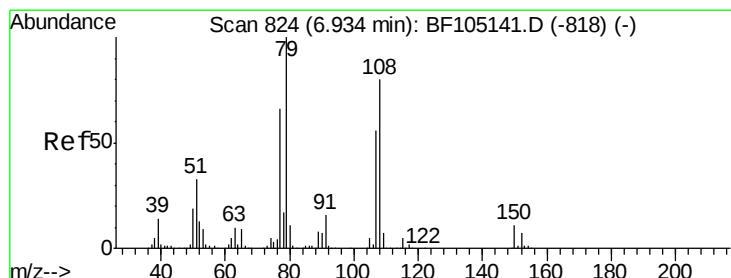
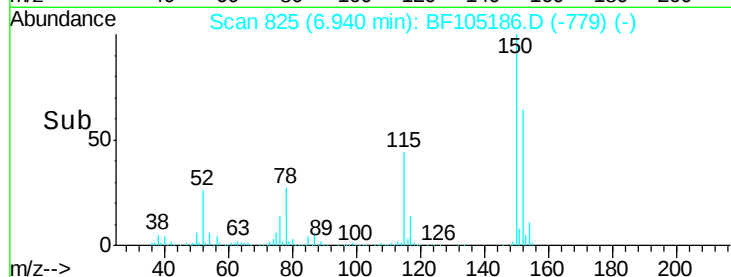
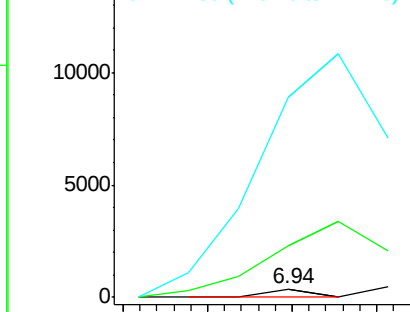
Ion	Ratio	Lower	Upper
146	100		
148	613.5	50.6	75.8#
111	2356.2	36.0	54.0#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 1.921 ng

RT: 6.95 min Scan# 826

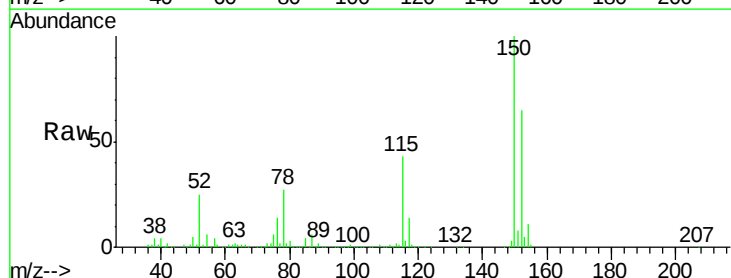
Delta R.T. 0.01 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

Tgt Ion: 79 Resp: 22380

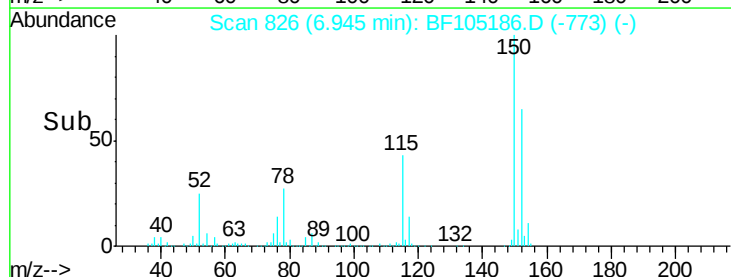
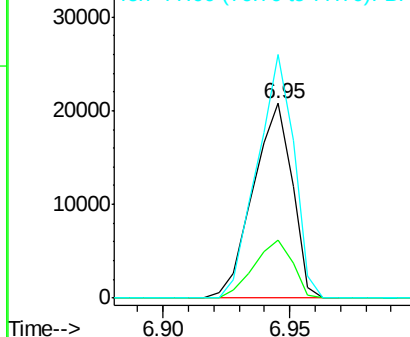
Ion	Ratio	Lower	Upper
79	100		
108	30.1	65.1	97.7#
77	124.9	50.6	75.8#

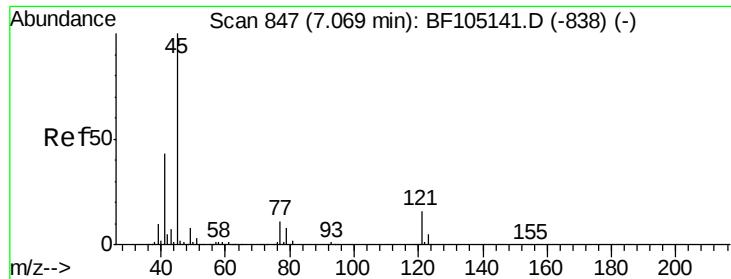


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

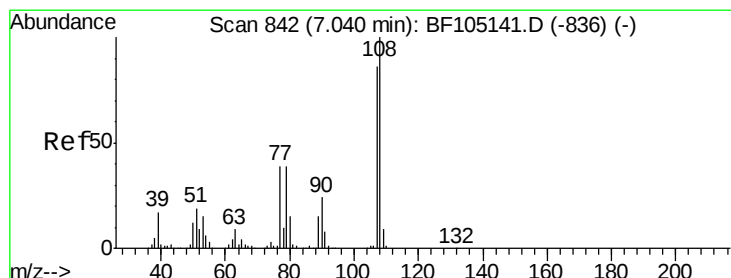
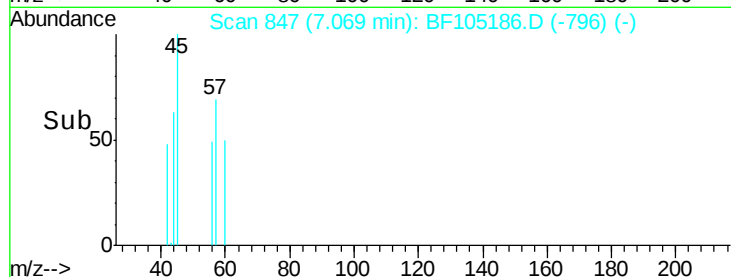
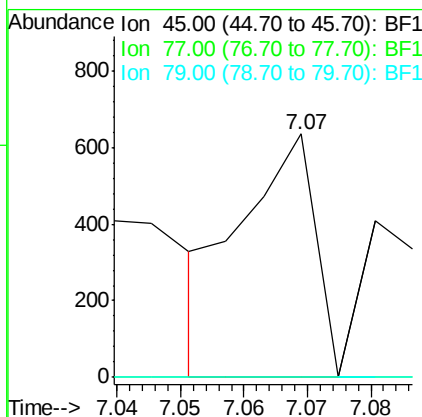
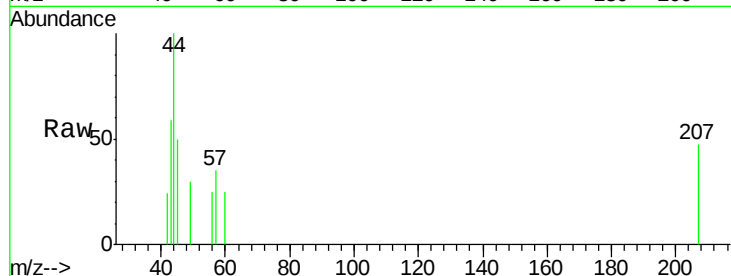




#16
 2,2'-oxvbis(1-Chloropropane)
 Concen: 0.020 ng
 RT: 7.07 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

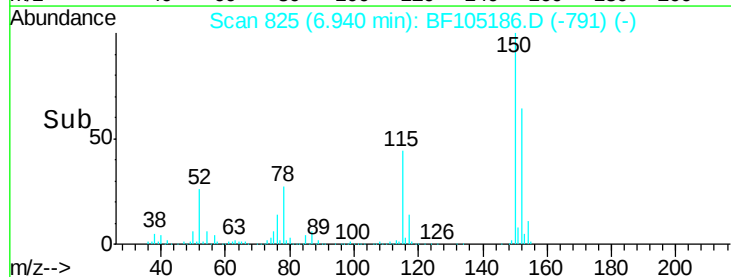
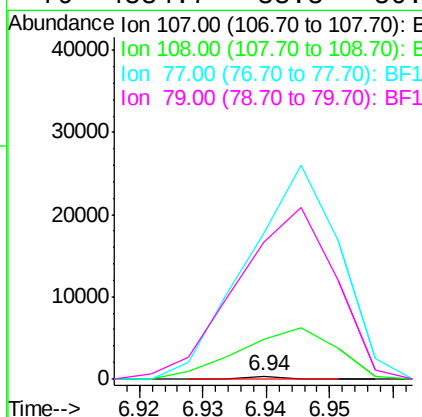
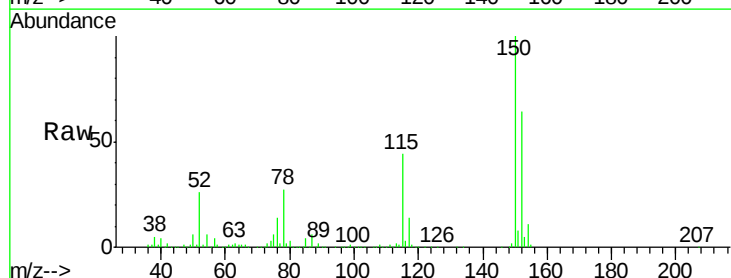
Instrument :
 BNA_F
 ClientSampled :

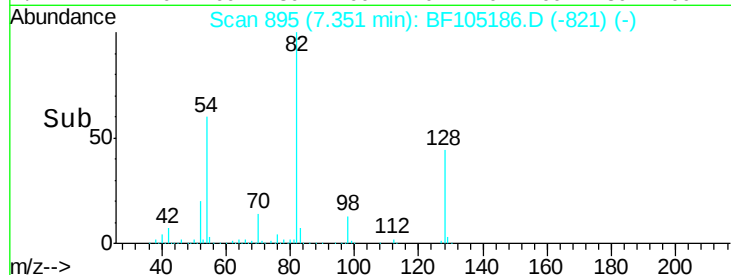
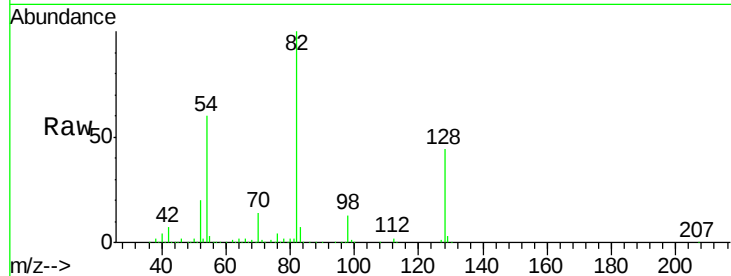
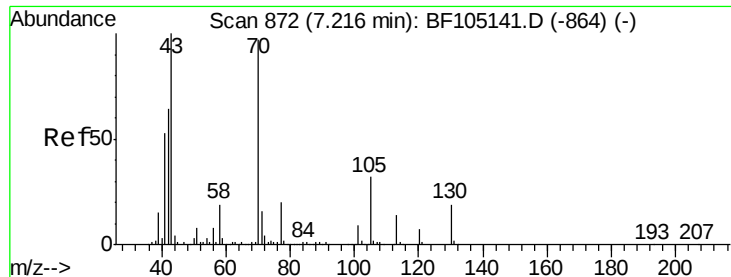
Tot Ion: 45 Resp: 516
 Ion Ratio Lower Upper
 45 100
 77 0.0 0.0 32.9
 79 0.0 0.0 29.6



#17
 2-Methylphenol
 Concen: 0.010 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.10 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

Tgt Ion:107 Resp: 120
 Ion Ratio Lower Upper
 107 100
 108 1439.7 91.7 137.5#
 77 5200.0 33.8 50.8#
 79 4884.7 33.8 50.8#

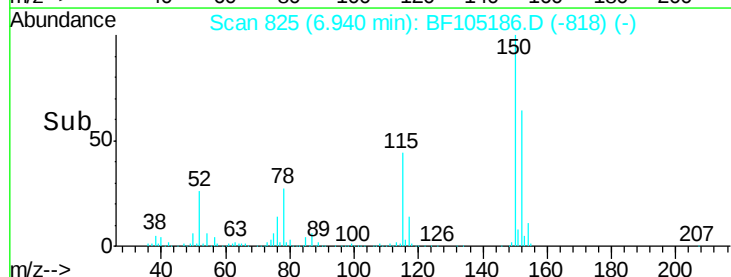
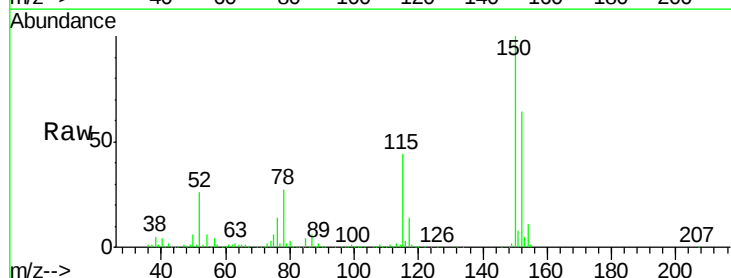
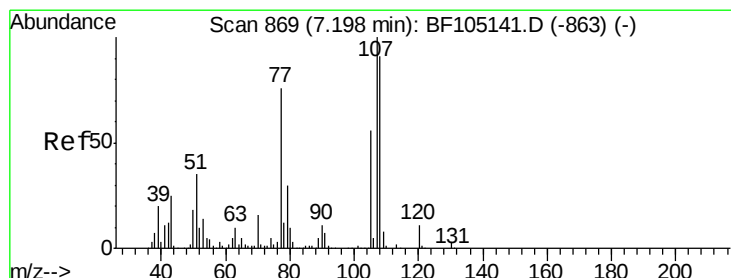
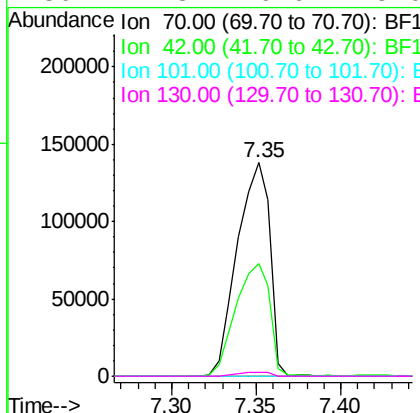




#19
n-Nitroso-di-n-propylamine
Concen: 18.525 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

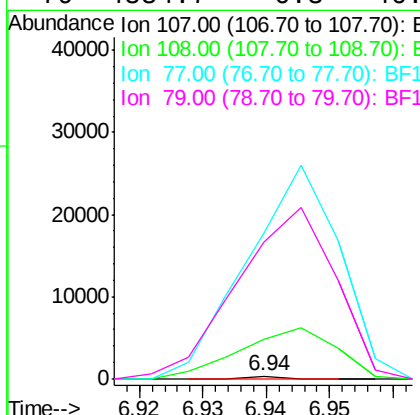
Instrument :
BNA_F
ClientSampleId :

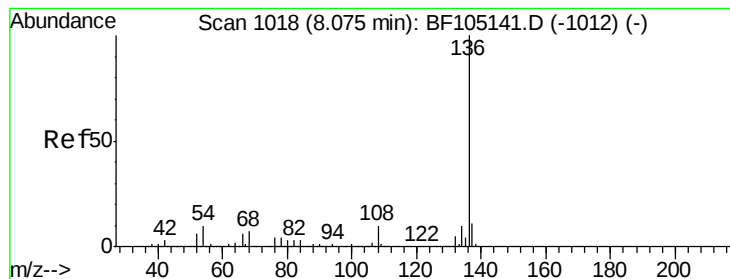
Tot Ion: 70 Resp: 186693
Ion Ratio Lower Upper
70 100
42 52.7 47.5 71.3
101 0.0 7.4 11.2#
130 1.8 16.6 25.0#



#20
3+4-Methylphenols
Concen: 0.009 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.26 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

Tgt Ion:107 Resp: 120
Ion Ratio Lower Upper
107 100
108 1439.7 68.2 108.2#
77 5200.0 26.7 66.7#
79 4884.7 6.3 46.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 847497

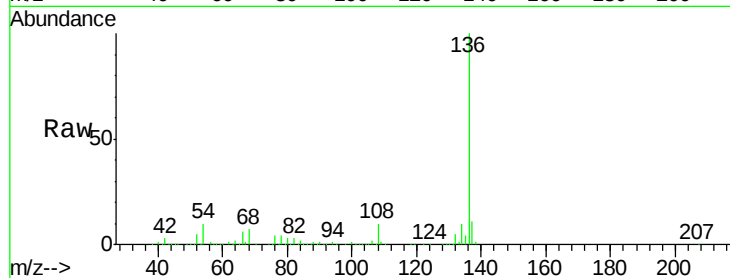
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.6 6.6 9.8

68 6.7 5.0 7.4

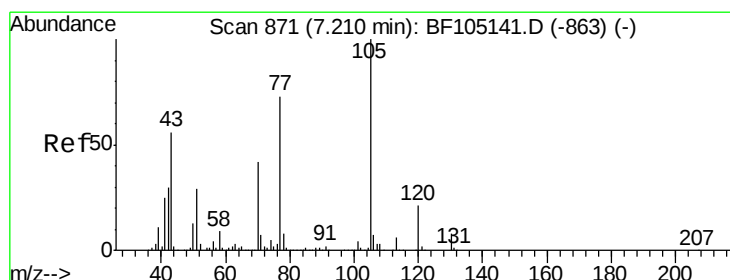
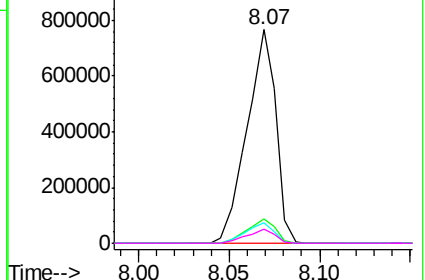
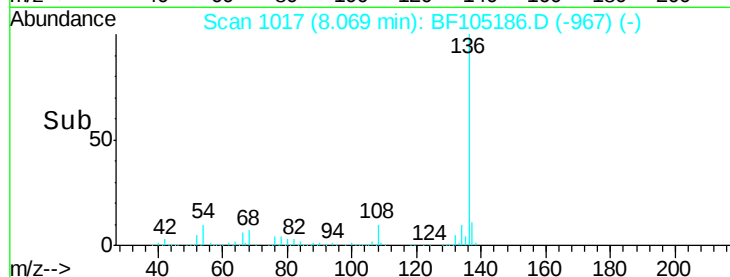


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 0.132 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.02 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

Tgt Ion:105 Resp: 2601

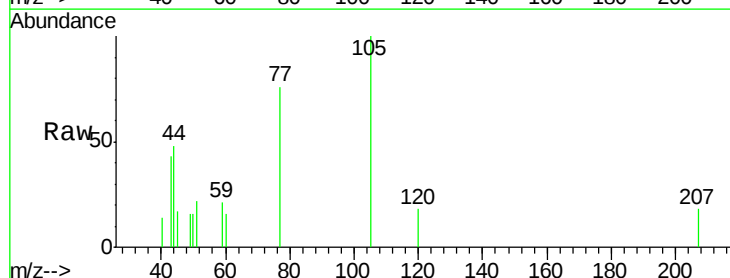
Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 22.5 22.3 33.5

120 18.4 16.9 25.3

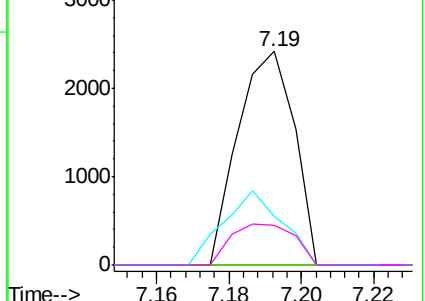
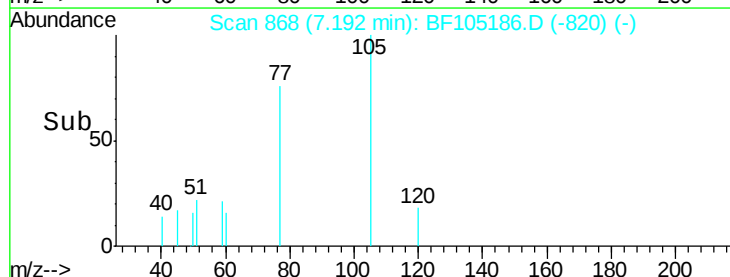


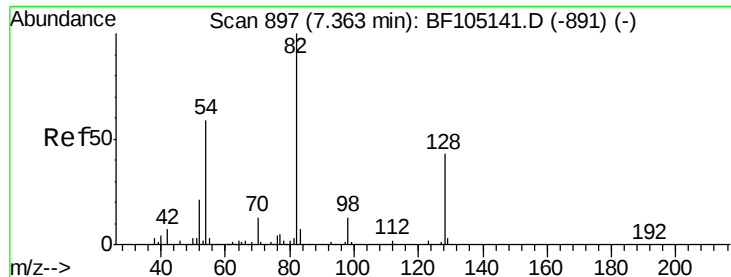
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

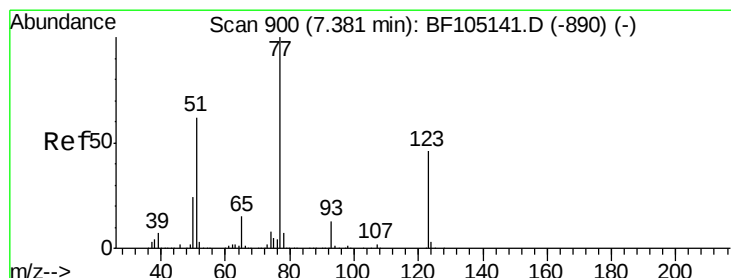
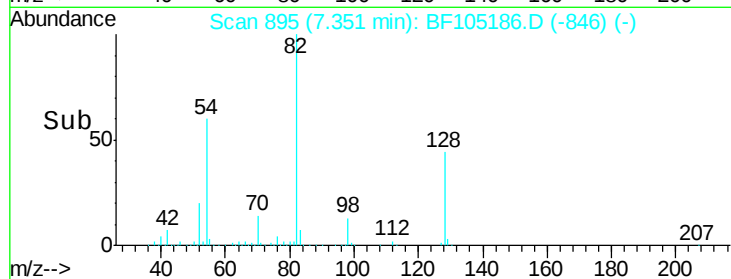
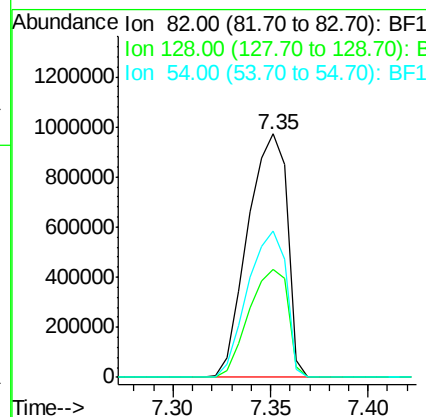
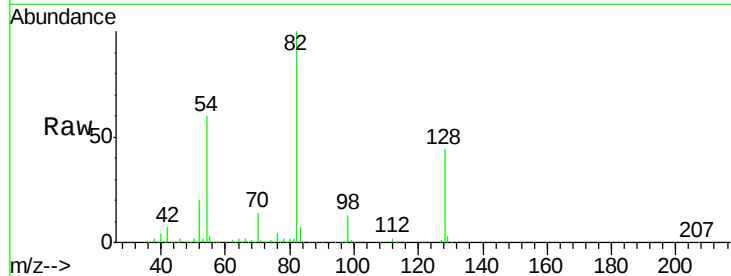




#23
Nitrobenzene-d5
Concen: 108.991 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

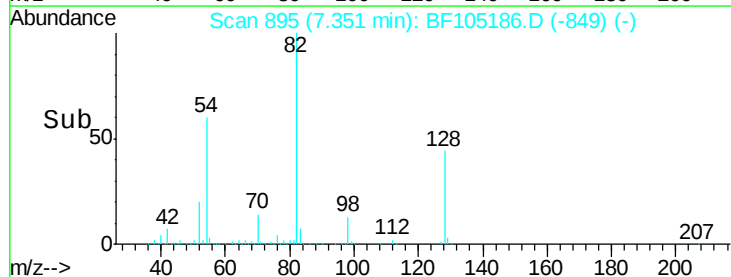
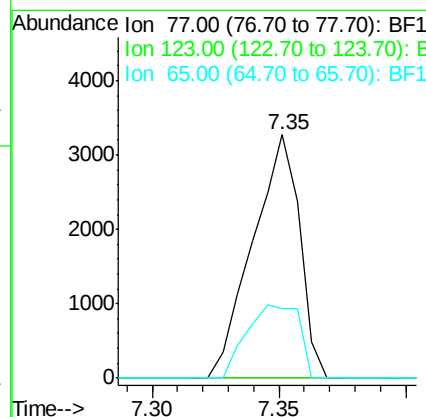
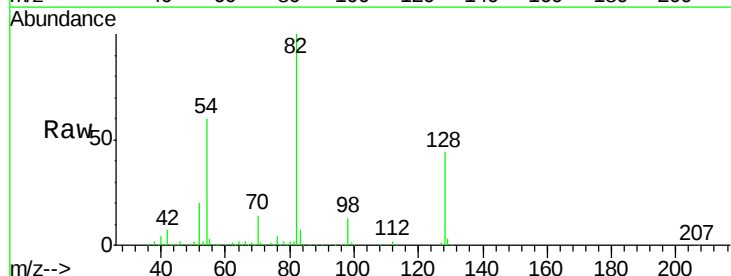
Instrument :
BNA_F
ClientSampleId :

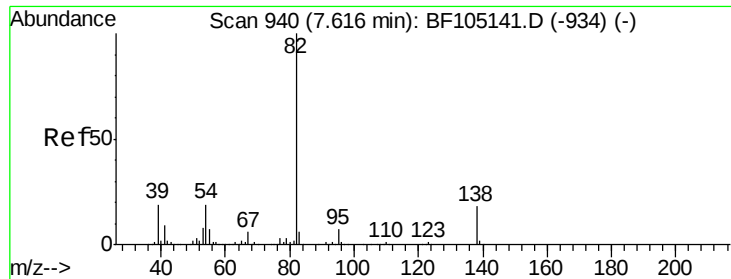
Tot Ion: 82 Resp: 1362911
Ion Ratio Lower Upper
82 100
128 44.3 36.1 54.1
54 59.9 41.4 62.2



#24
Nitrobenzene
Concen: 0.298 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.03 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

Tgt Ion: 77 Resp: 4225
Ion Ratio Lower Upper
77 100
123 0.0 37.9 56.9#
65 28.8 11.0 16.4#





#25

Isophorone

Concen: 48.663 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.26 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

Instrument :

BNA_F

ClientSampleId :

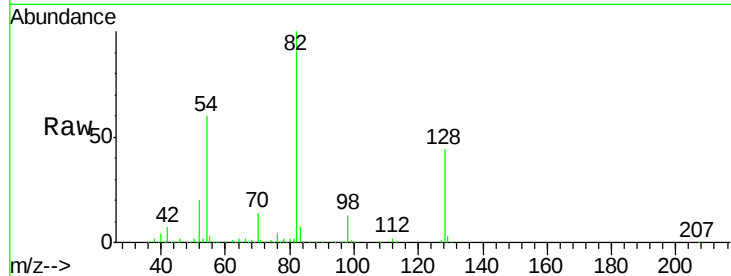
Tot Ion: 82 Resp: 1360898

Ion Ratio Lower Upper

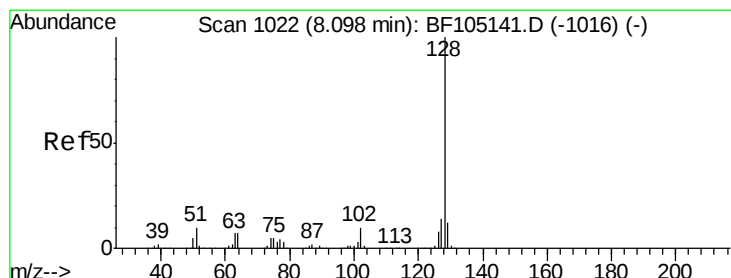
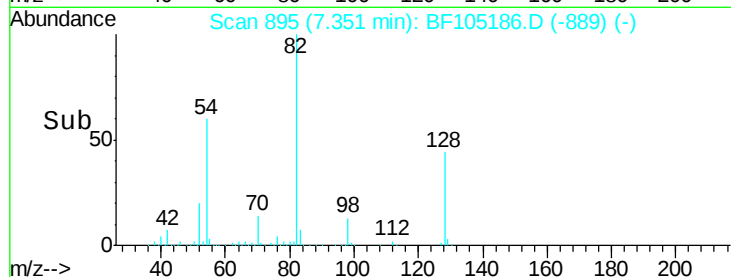
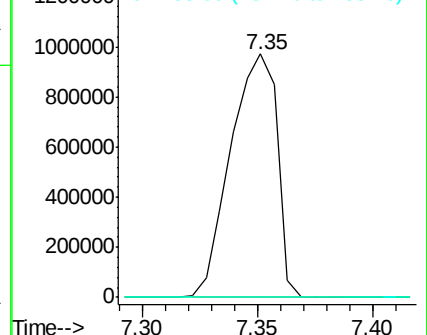
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 1.545 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

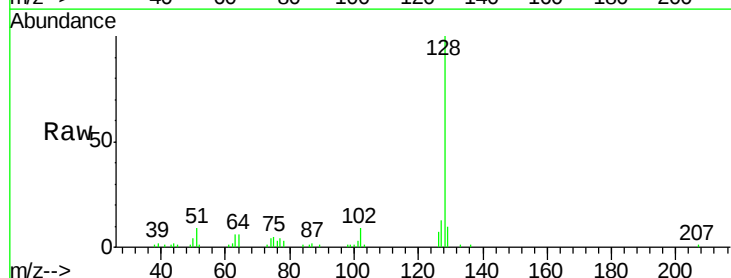
Tgt Ion: 128 Resp: 63063

Ion Ratio Lower Upper

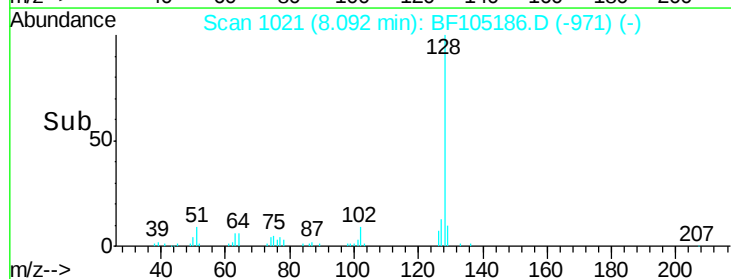
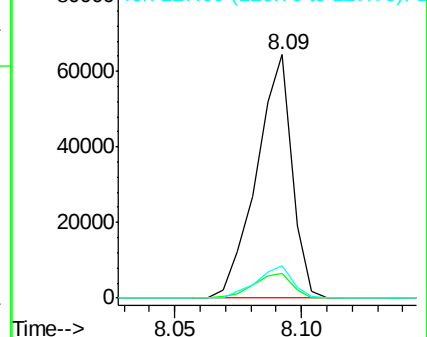
128 100

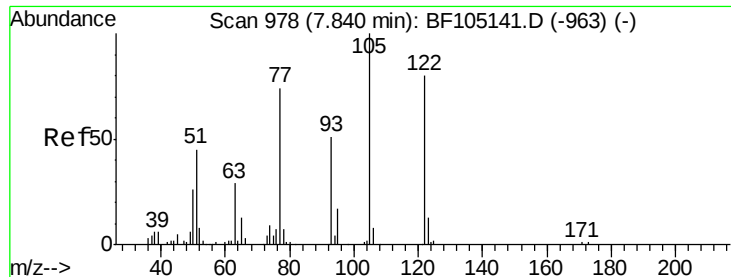
129 10.1 8.8 13.2

127 13.2 10.9 16.3



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

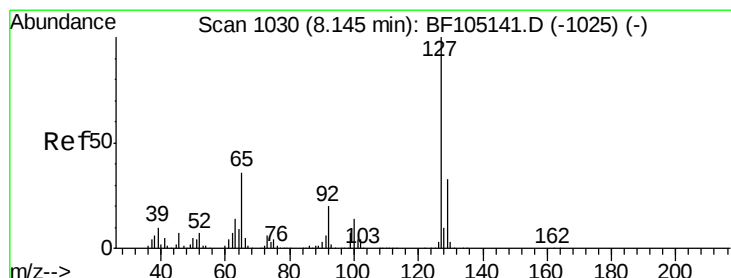
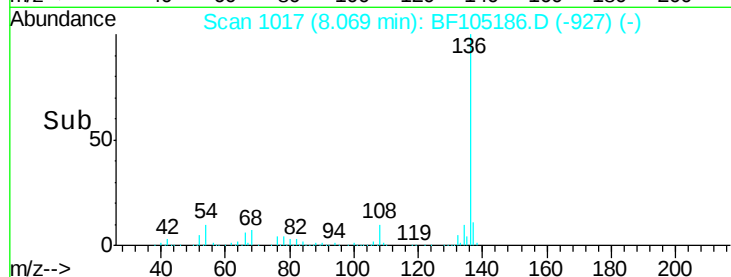
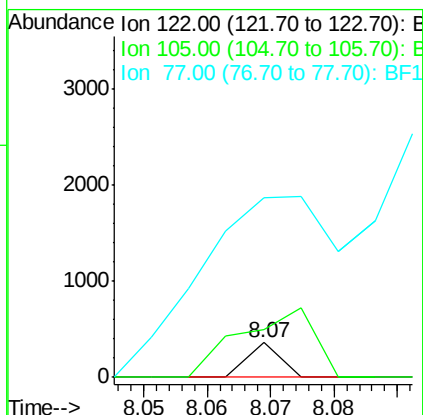
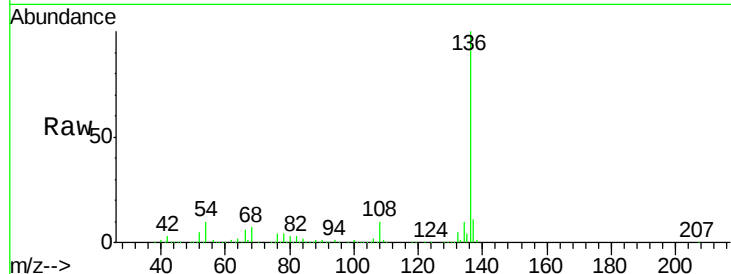




#32
Benzoic acid
Concen: 9.159 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.23 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

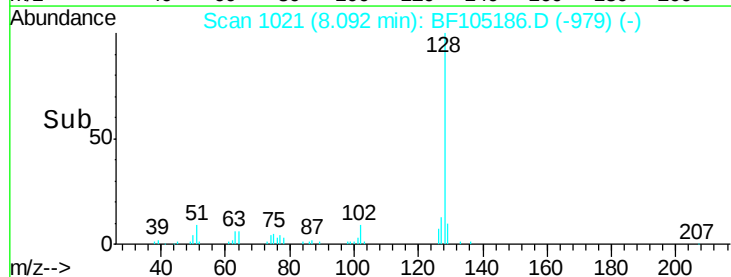
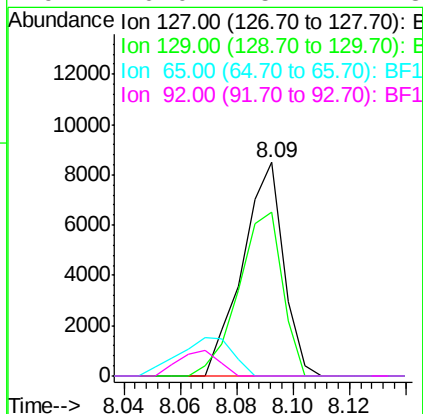
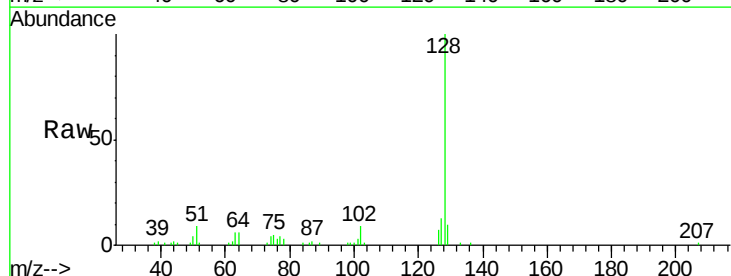
Instrument :
BNA_F
ClientSampleId :

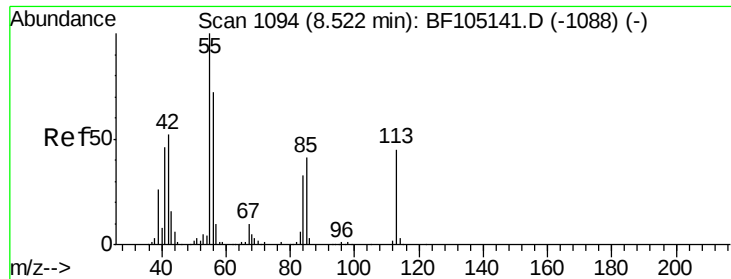
Tot Ion:122 Resp: 127
Ion Ratio Lower Upper
122 100
105 139.0 101.1 141.1
77 522.0 70.7 110.7#



#33
4-Chloroaniline
Concen: 0.504 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.05 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

Tgt Ion:127 Resp: 8558
Ion Ratio Lower Upper
127 100
129 76.6 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

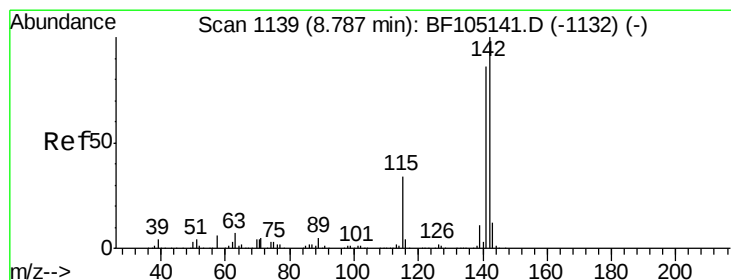
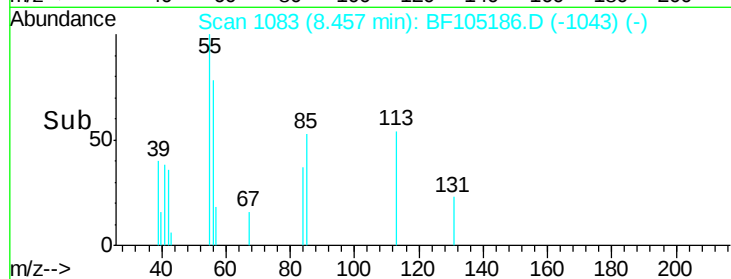
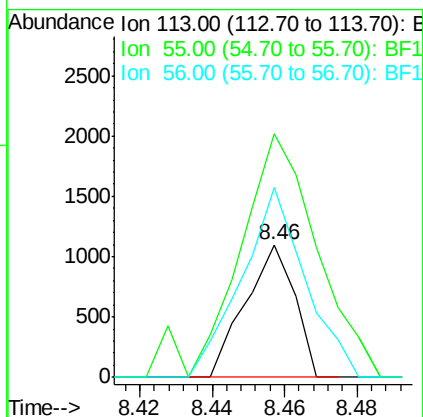
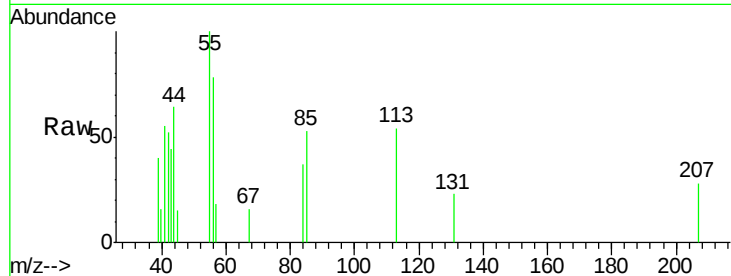




#35
 Caprolactam
 Concen: 0.292 ng
 RT: 8.46 min Scan# 1083
 Delta R.T. -0.06 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

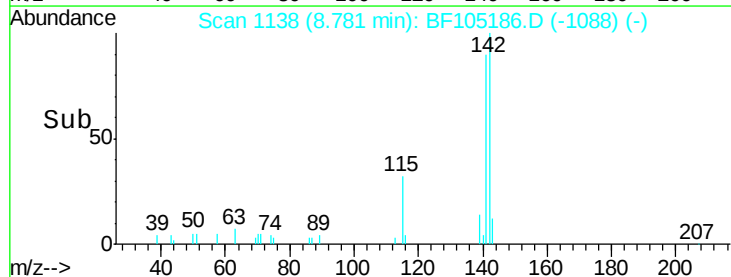
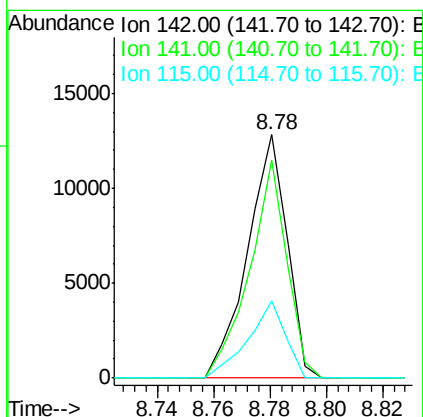
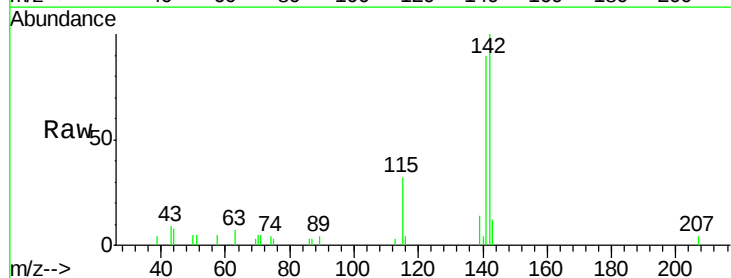
Instrument :
 BNA_F
 ClientSampleId :

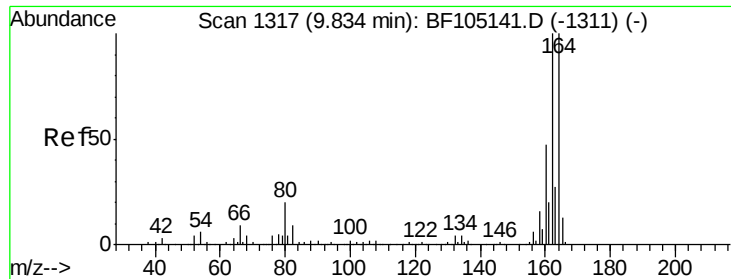
Tot Ion:113 Resp: 1030
 Ion Ratio Lower Upper
 113 100
 55 183.8 163.3 203.3
 56 143.7 115.7 155.7



#37
 2-Methylnaphthalene
 Concen: 0.436 ng
 RT: 8.78 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

Tgt Ion:142 Resp: 12413
 Ion Ratio Lower Upper
 142 100
 141 89.8 70.8 106.2
 115 31.9 26.1 39.1

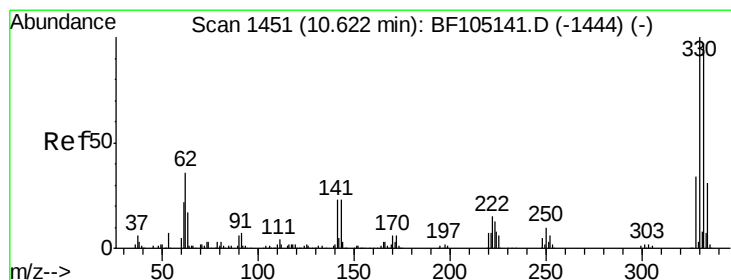
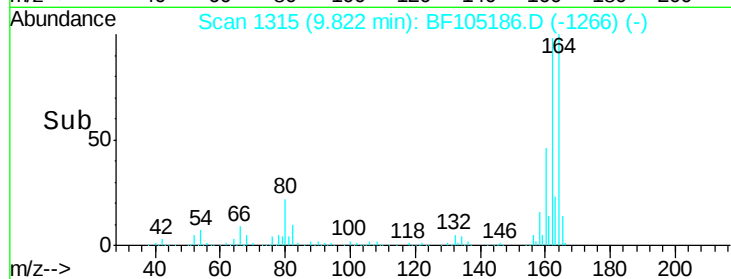
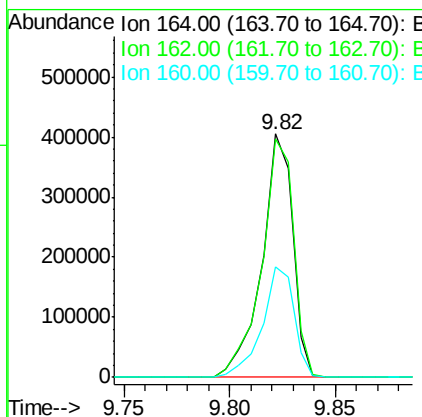
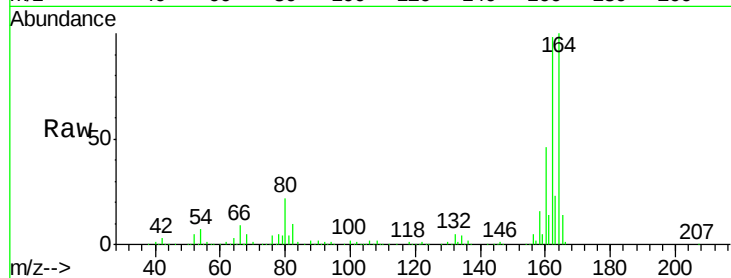




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

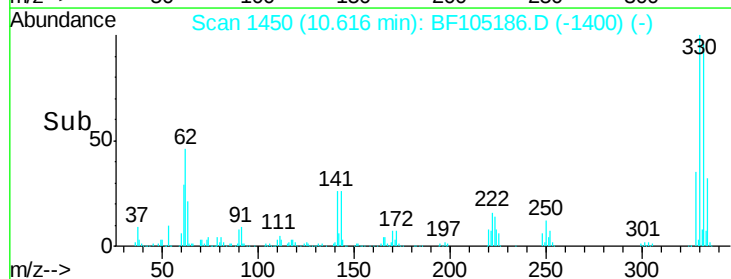
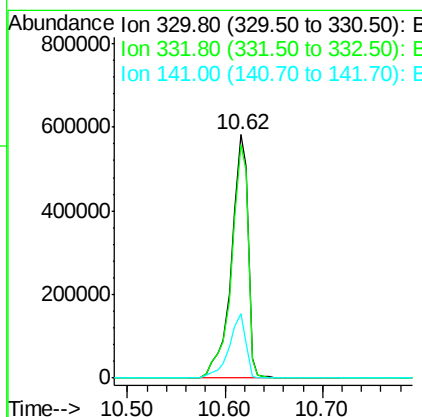
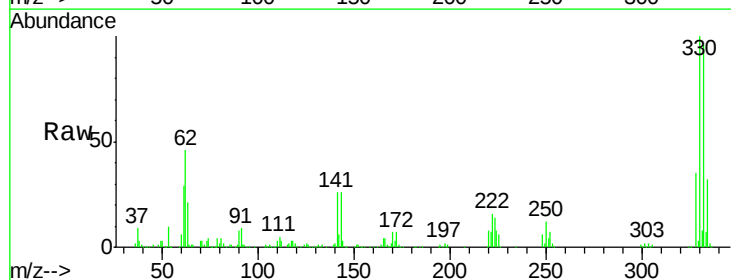
Instrument :
 BNA_F
 ClientSampled :

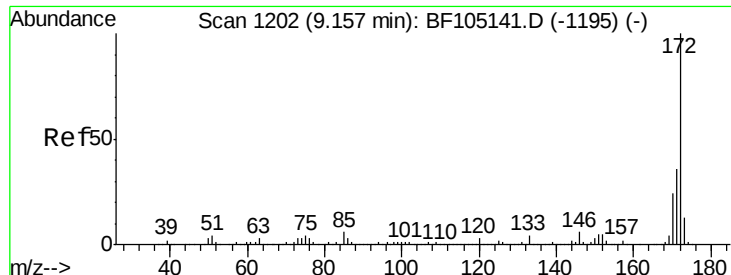
Tot Ion:164 Resp: 414973
 Ion Ratio Lower Upper
 164 100
 162 98.0 86.1 129.1
 160 45.6 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 150.846 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

Tgt Ion:330 Resp: 690615
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 26.7 29.9 44.9#

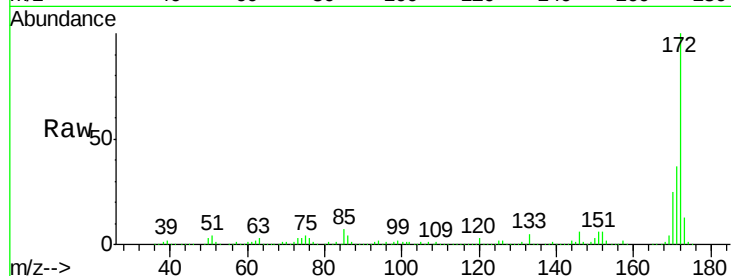




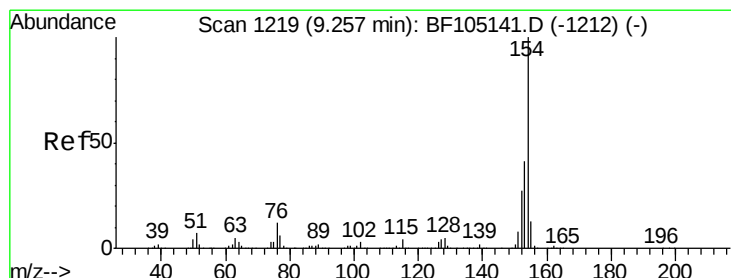
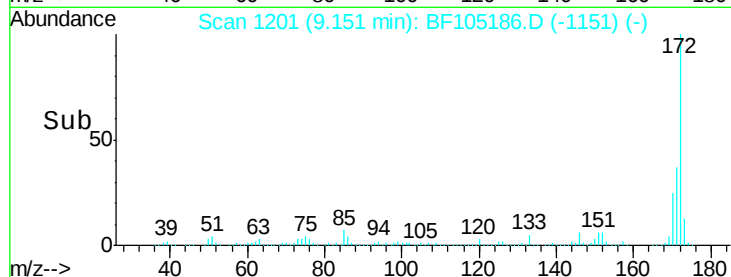
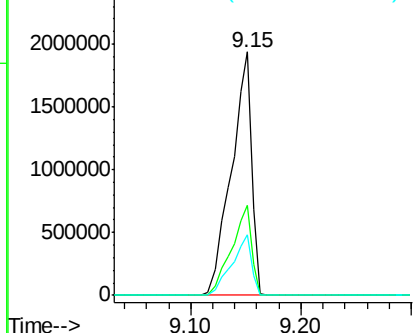
#44
2-Fluorobiphenyl
Concen: 93.266 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2493584
Ion Ratio Lower Upper
172 100
171 36.9 29.7 44.5
170 24.8 19.6 29.4

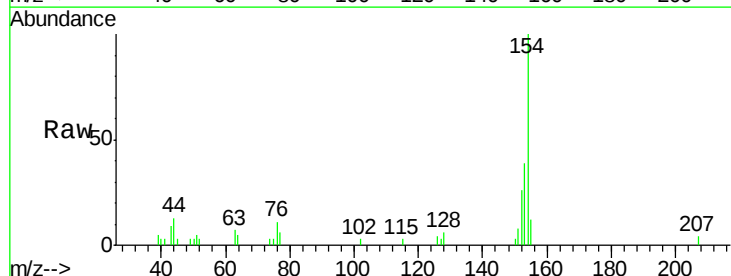


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

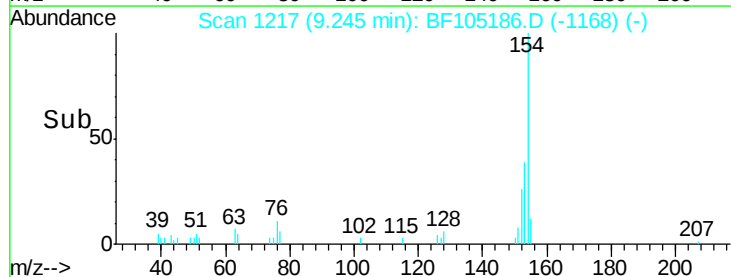
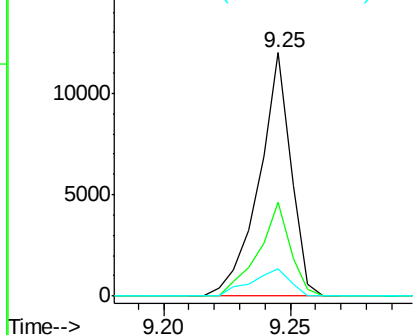


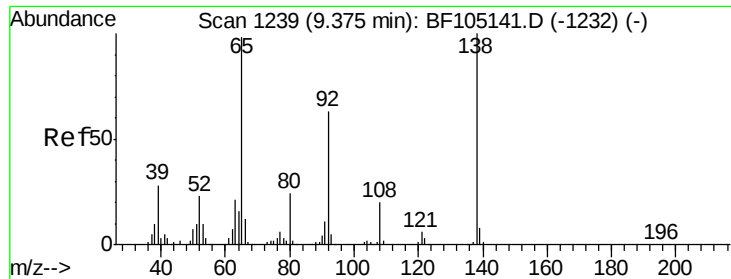
#45
1,1'-Biphenyl
Concen: 0.312 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

Tgt Ion:154 Resp: 10552
Ion Ratio Lower Upper
154 100
153 38.6 21.3 61.3
76 11.1 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

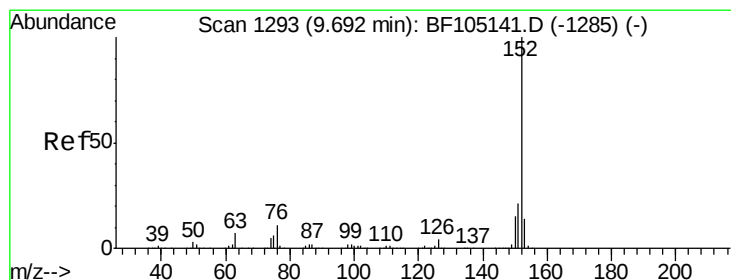
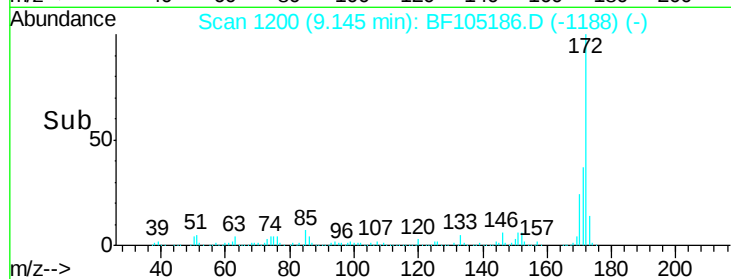
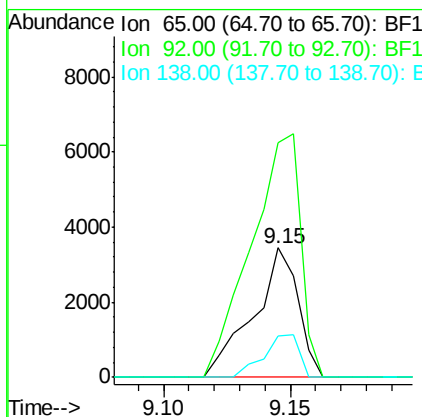
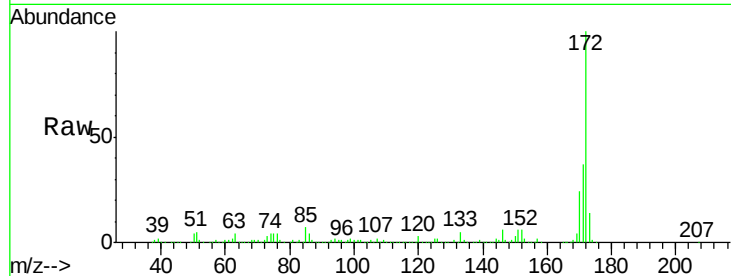




#47
2-Nitroaniline
Concen: 6.309 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.23 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

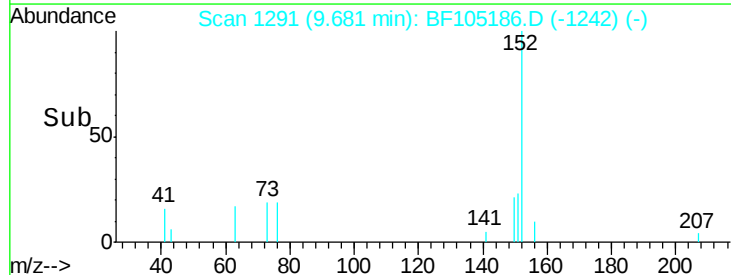
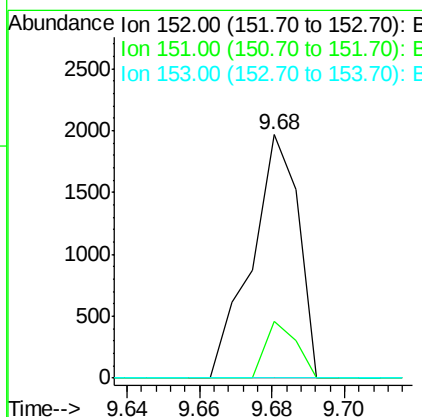
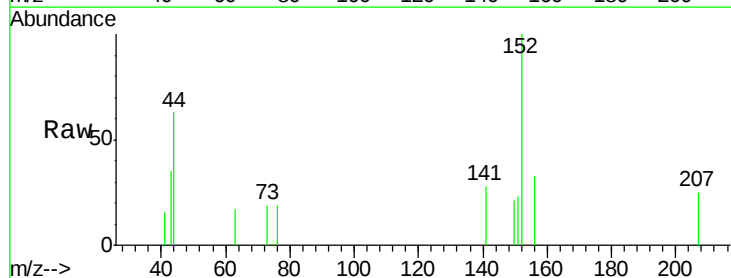
Instrument :
BNA_F
ClientSampleId :

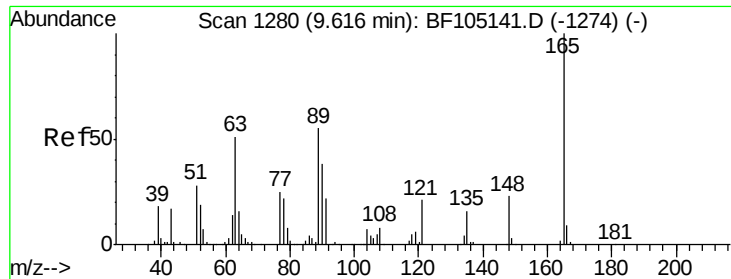
Tot Ion: 65 Resp: 4226
Ion Ratio Lower Upper
65 100
92 181.6 55.8 83.6#
138 32.0 91.2 136.8#



#48
Acenaphthylene
Concen: 0.045 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

Tgt Ion: 152 Resp: 1758
Ion Ratio Lower Upper
152 100
151 23.4 16.3 24.5
153 0.0 10.7 16.1#

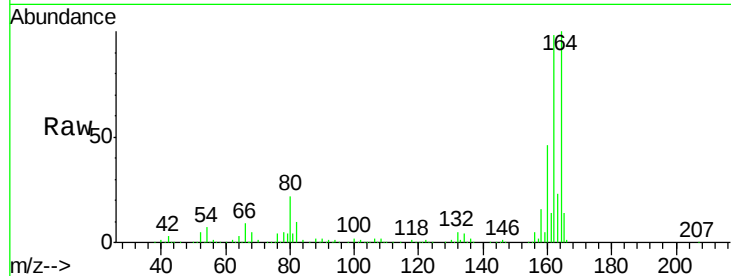




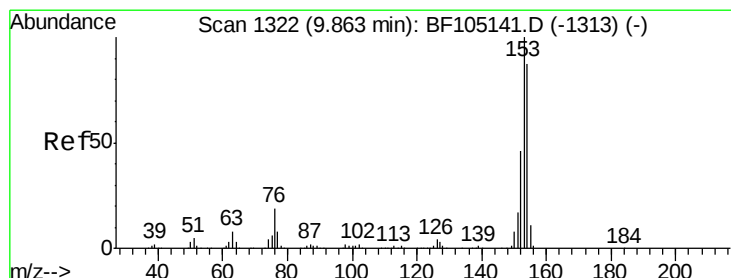
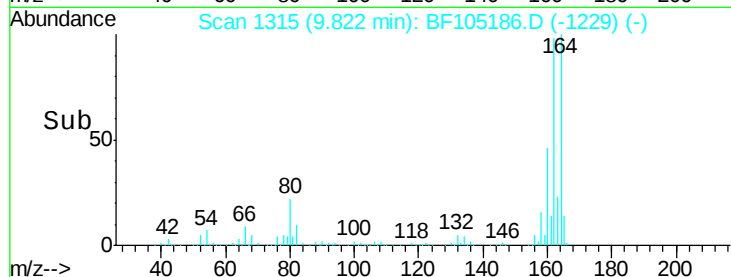
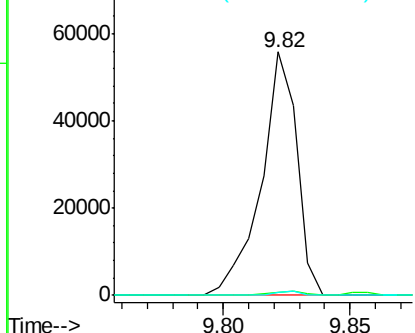
#50
2,6-Dinitrotoluene
Concen: 9.025 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.21 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 55016
Ion Ratio Lower Upper
165 100
63 1.2 44.7 67.1#
89 1.3 44.0 66.0#

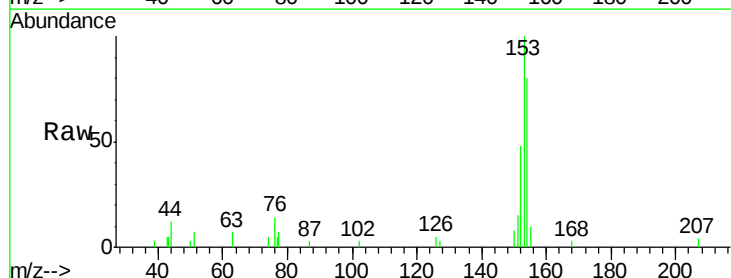


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

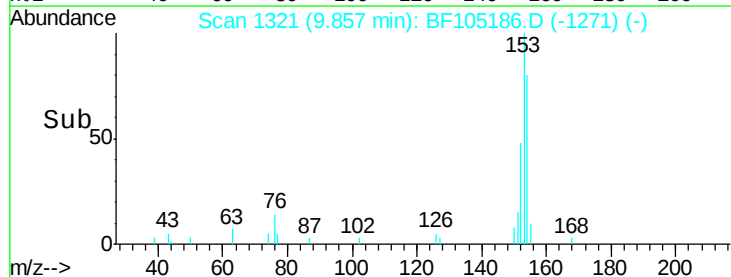
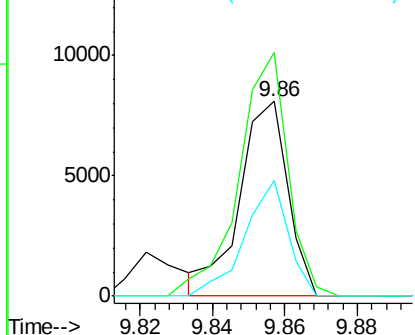


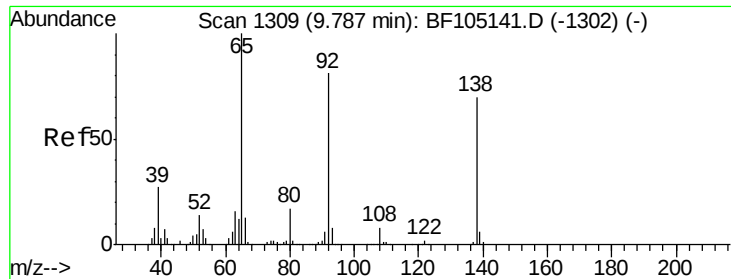
#51
Acenaphthene
Concen: 0.297 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

Tgt Ion:154 Resp: 7460
Ion Ratio Lower Upper
154 100
153 125.0 91.2 136.8
152 59.5 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

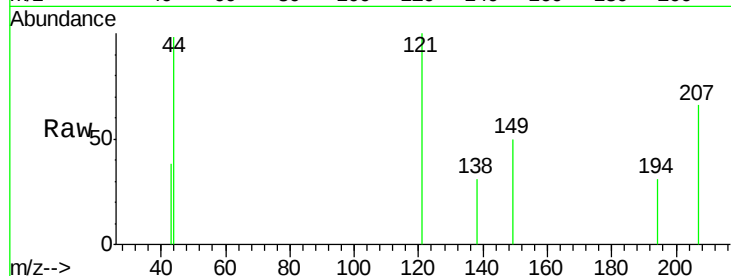




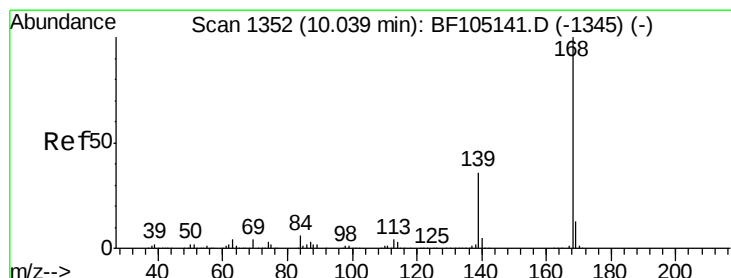
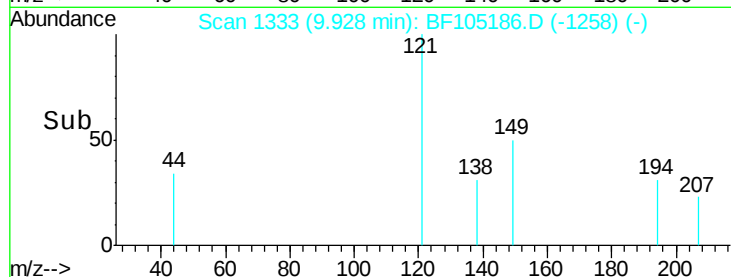
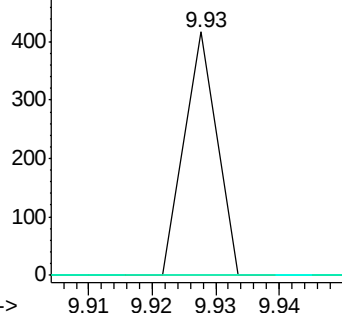
#52
3-Nitroaniline
Concen: 0.023 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.14 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 147
Ion Ratio Lower Upper
138 100
108 0.0 9.4 14.0#
92 0.0 89.4 134.2#

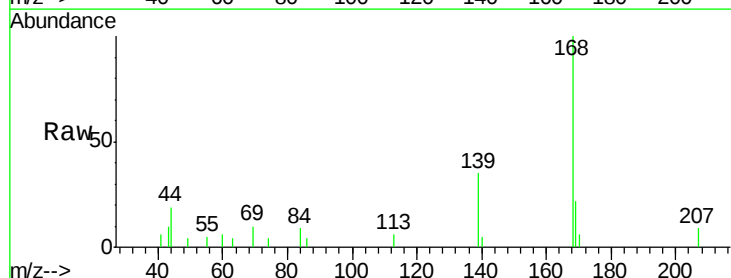


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

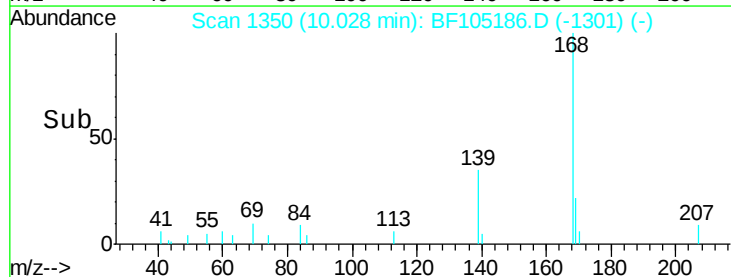
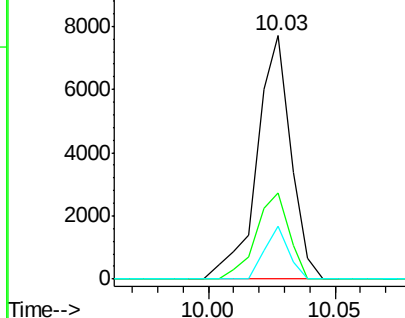


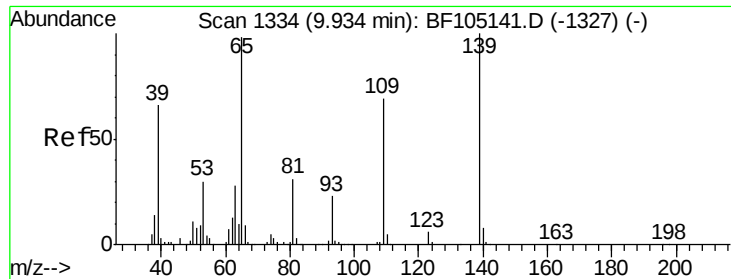
#54
Dibenzofuran
Concen: 0.196 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

Tgt Ion:168 Resp: 7212
Ion Ratio Lower Upper
168 100
139 35.3 30.1 45.1
169 21.7 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

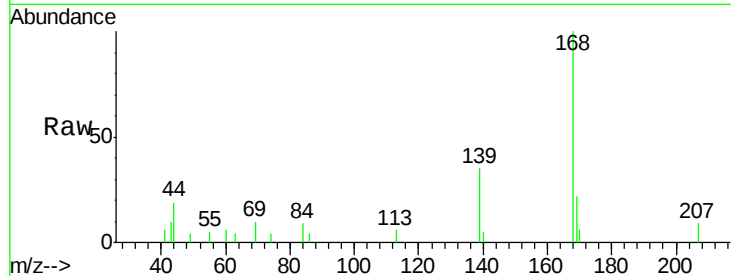




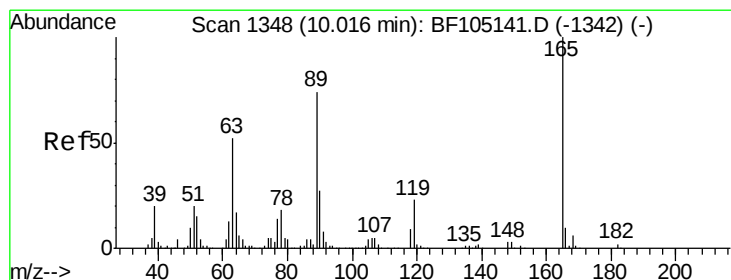
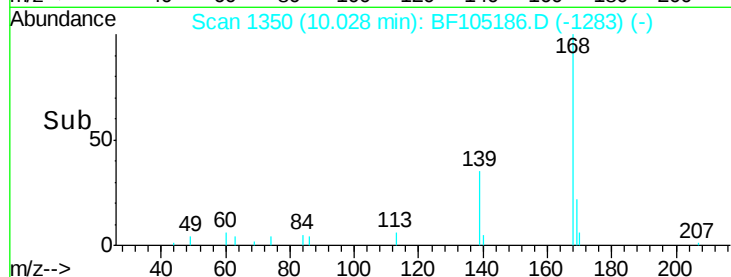
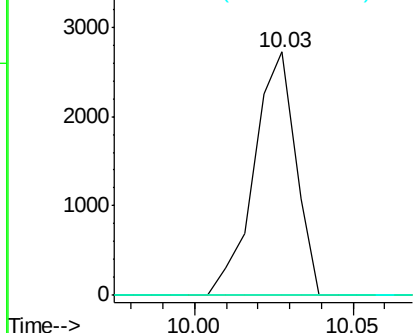
#55
4-Nitrophenol
Concen: 4.707 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.09 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 2484
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

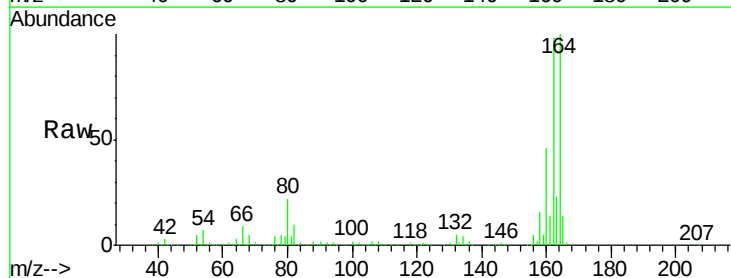


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

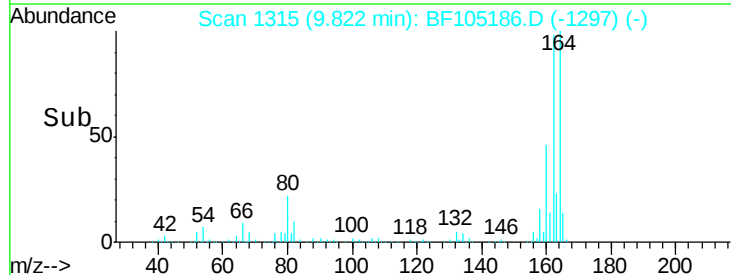
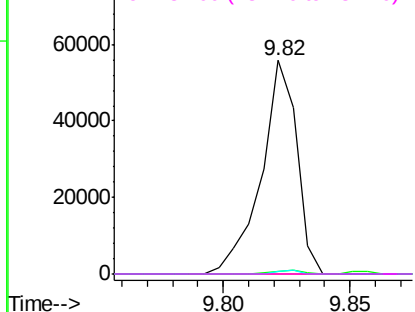


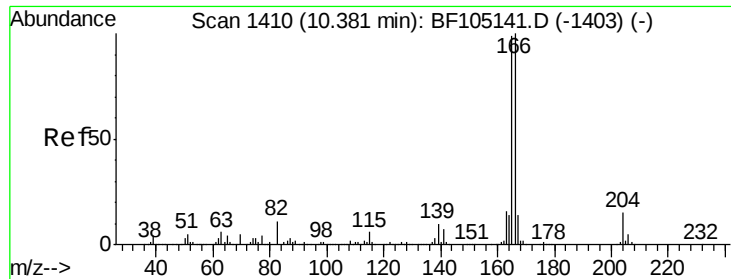
#56
2,4-Dinitrotoluene
Concen: 9.886 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.19 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

Tgt Ion:165 Resp: 55016
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 1.3 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

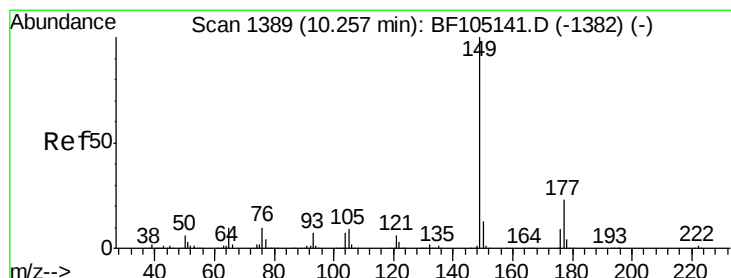
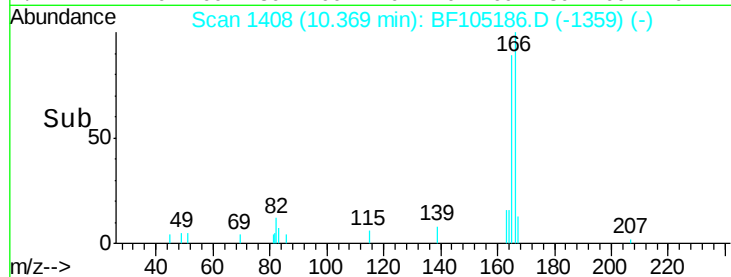
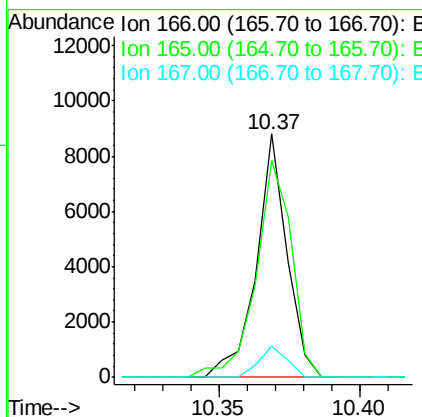
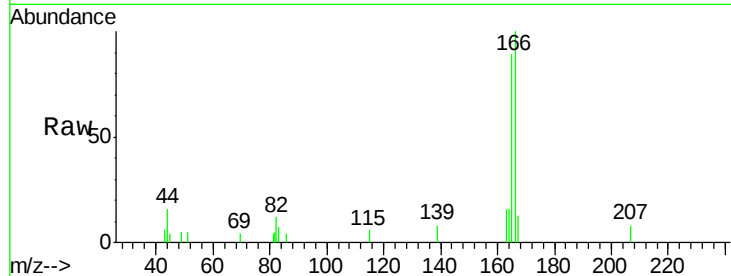




#57
 Fluorene
 Concen: 0.246 ng
 RT: 10.37 min Scan# 1408
 Delta R.T. -0.01 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

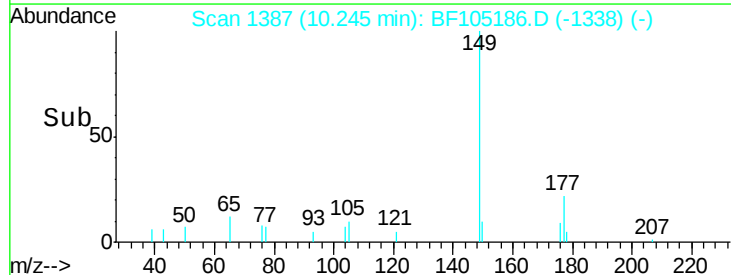
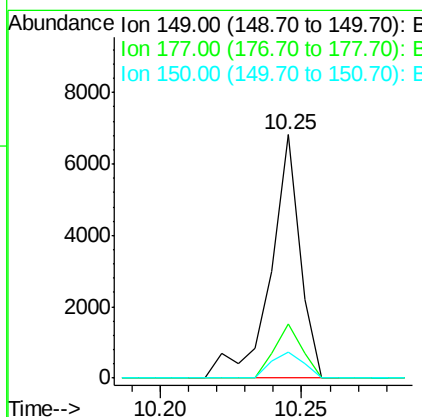
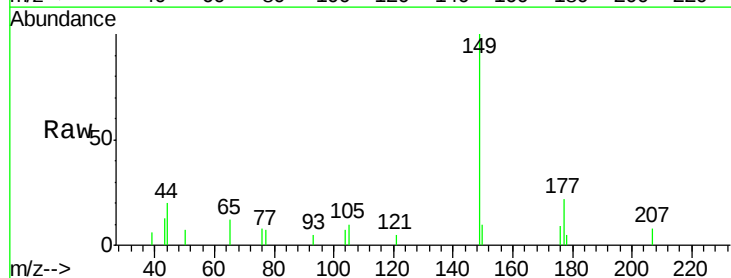
Instrument :
 BNA_F
 ClientSampleId :

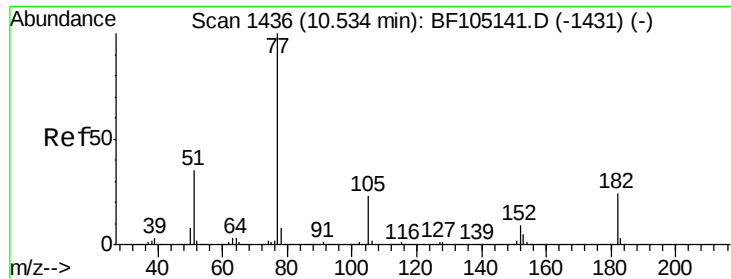
Tot Ion:166 Resp: 6636
 Ion Ratio Lower Upper
 166 100
 165 89.1 79.8 119.8
 167 12.8 10.6 16.0



#59
 Diethylphthalate
 Concen: 0.178 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

Tgt Ion:149 Resp: 4920
 Ion Ratio Lower Upper
 149 100
 177 22.1 16.1 24.1
 150 10.4 10.1 15.1





#62

Azobenzene

Concen: 0.004 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.01 min

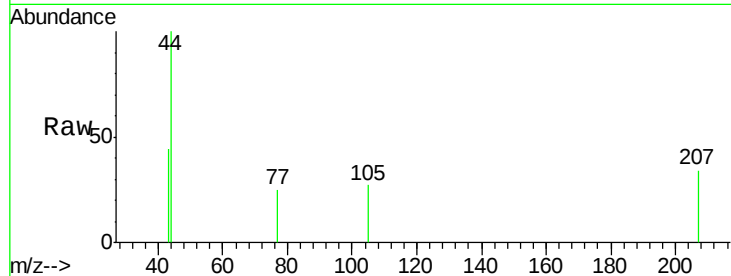
Lab File: BF105186.D

Acq: 9 May 2018 10:50

Instrument :

BNA_F

ClientSampleId :



Tot Ion: 77 Resp: 121

Ion Ratio Lower Upper

77 100

182 0.0 1.7 41.7#

105 106.7 3.0 43.0#

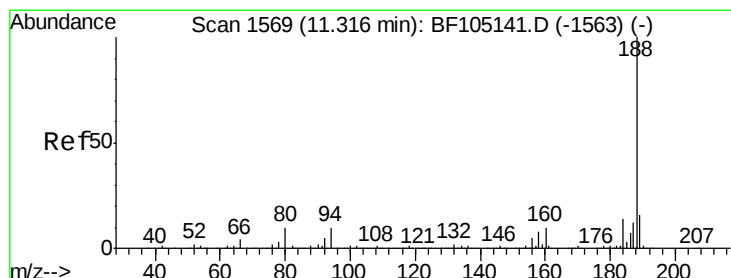
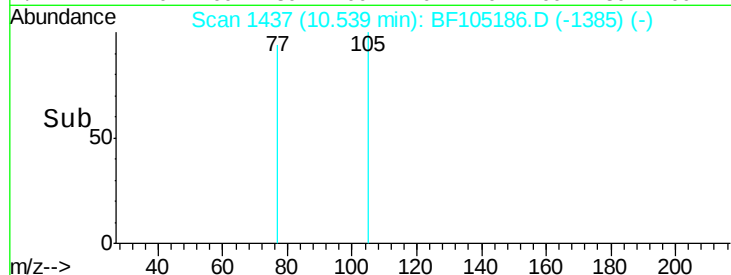
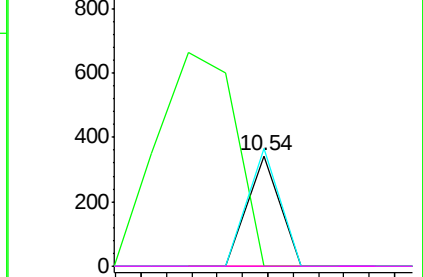
51 0.0 9.9 49.9#

Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

Tgt Ion: 188 Resp: 823616

Ion Ratio Lower Upper

188 100

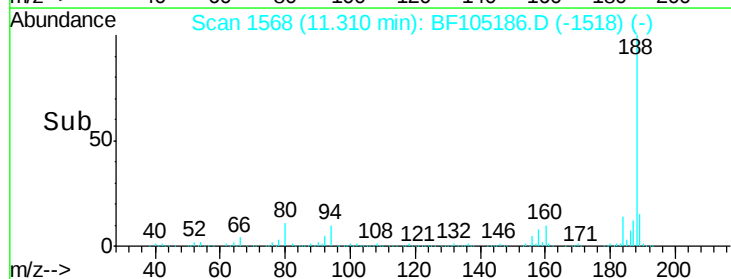
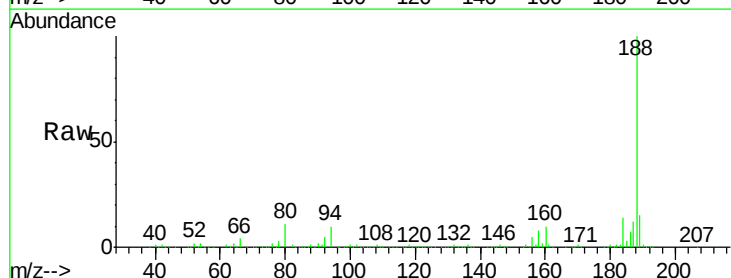
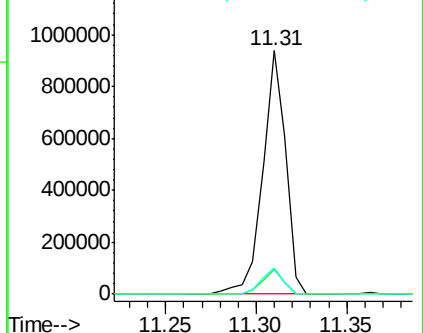
94 9.9 8.5 12.7

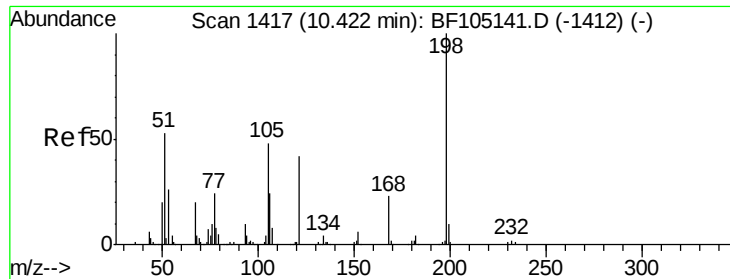
80 10.7 9.2 13.8

Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

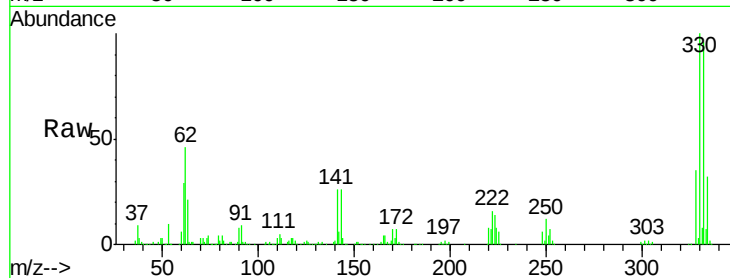




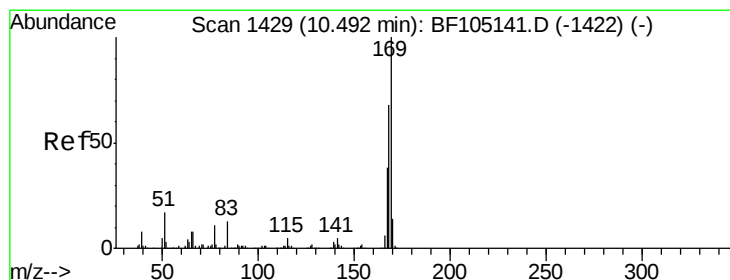
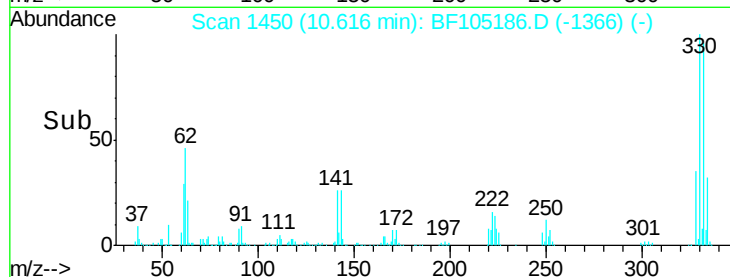
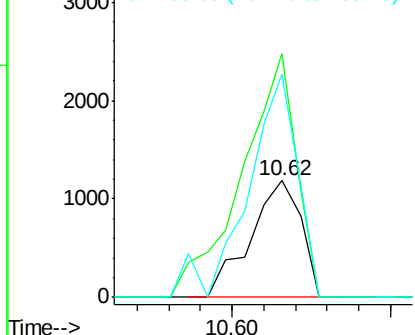
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.215 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.19 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 1322
 Ion Ratio Lower Upper
 198 100
 51 208.4 37.7 77.7#
 105 190.6 36.3 76.3#

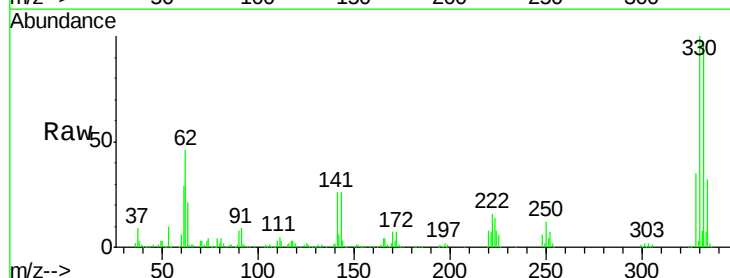


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

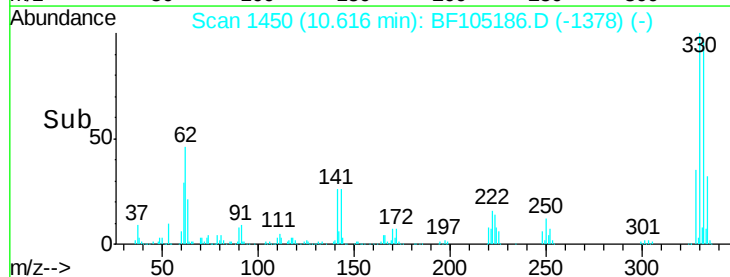
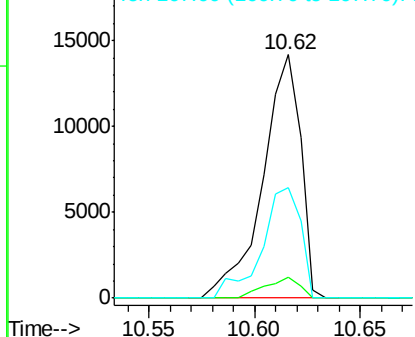


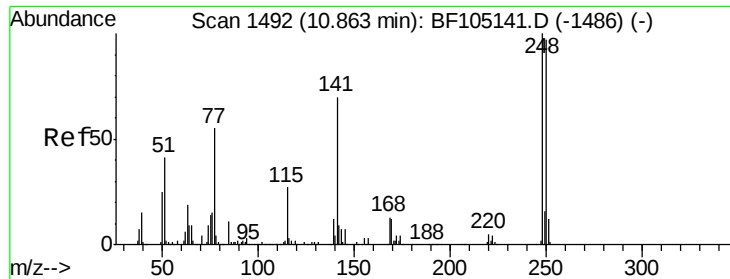
#65
 n-Nitrosodiphenylamine
 Concen: 0.691 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.12 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

Tgt Ion:169 Resp: 17737
 Ion Ratio Lower Upper
 169 100
 168 8.5 54.4 81.6#
 167 45.5 29.8 44.6#



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

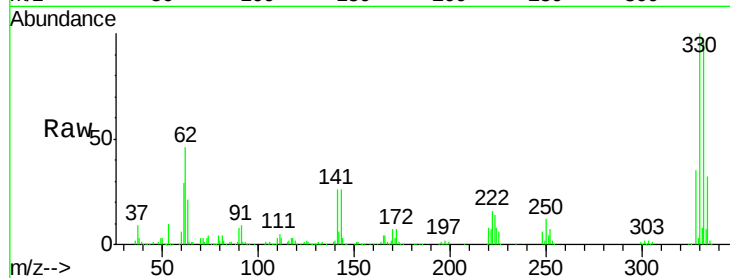




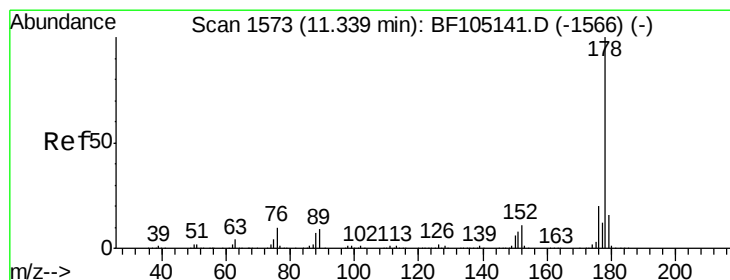
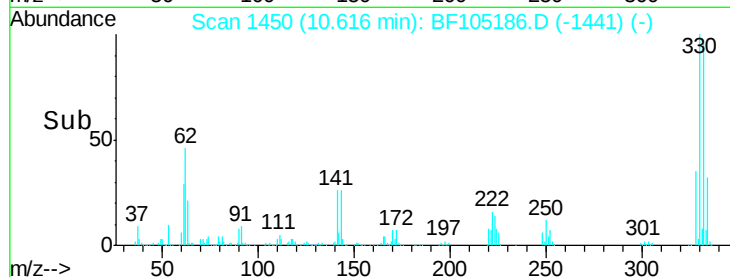
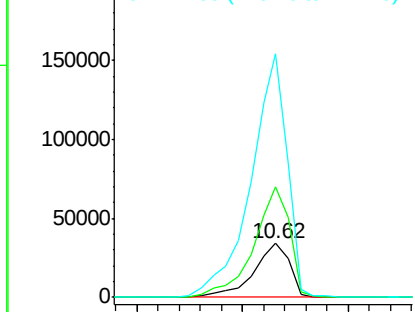
#66
4-Bromophenyl-phenylether
Concen: 4.569 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 40135
Ion Ratio Lower Upper
248 100
250 206.0 76.9 115.3#
141 452.1 74.4 111.6#

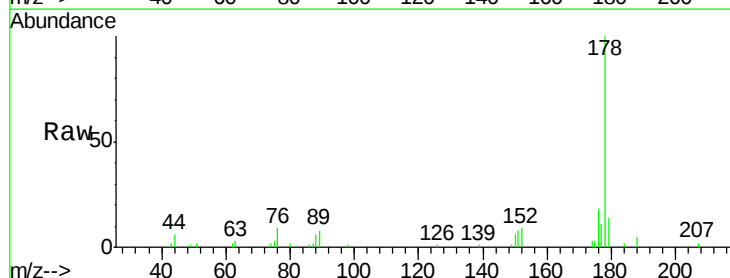


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

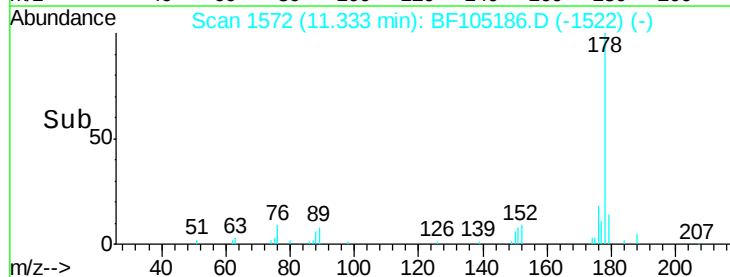
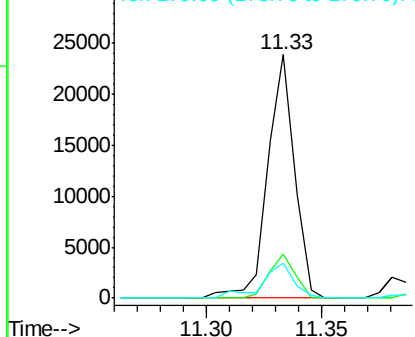


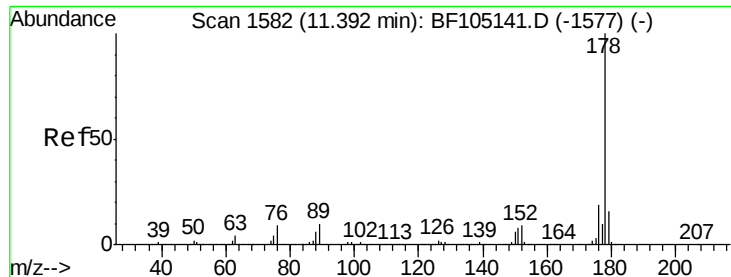
#70
Phenanthrene
Concen: 0.444 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF105186.D
Acq: 9 May 2018 10:50

Tgt Ion:178 Resp: 19287
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 14.3 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

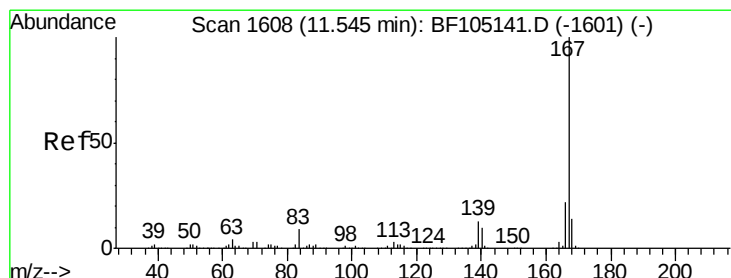
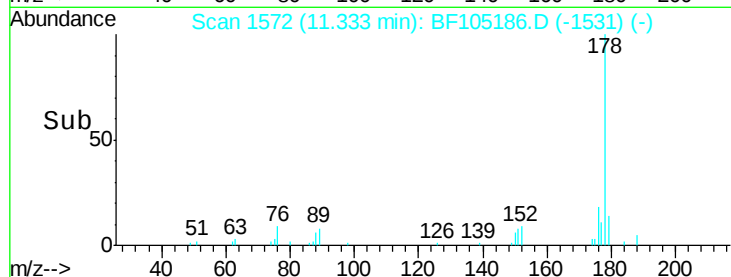
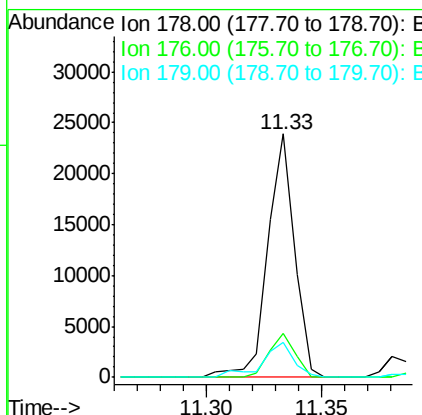
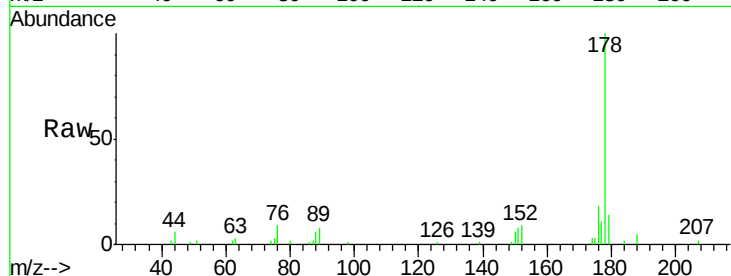




#71
 Anthracene
 Concen: 0.437 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.06 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

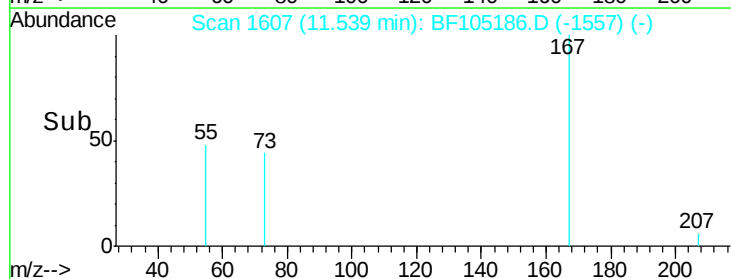
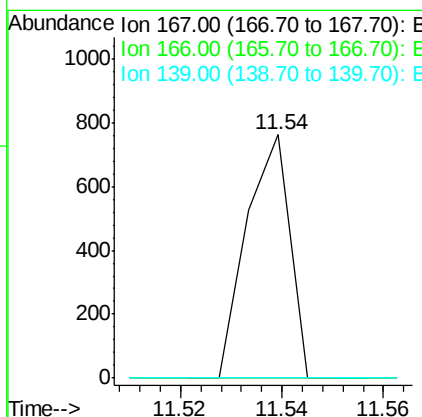
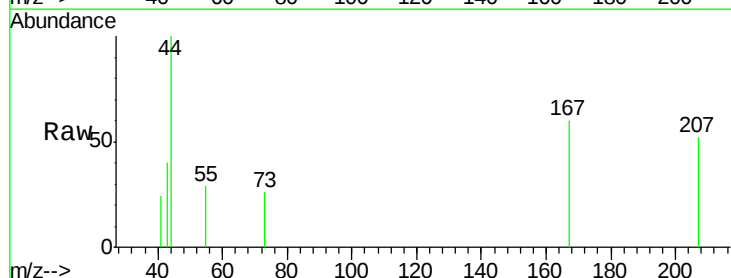
Instrument :
 BNA_F
 ClientSampleId :

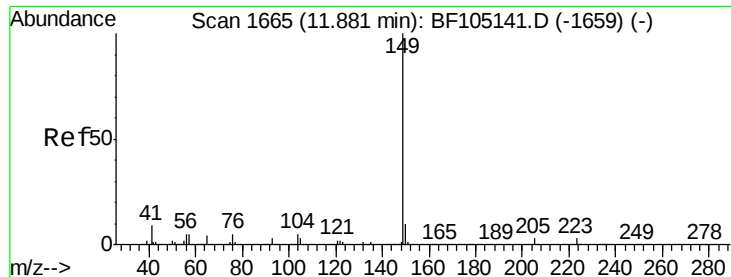
Tot Ion:178 Resp: 19287
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 14.3 12.6 19.0



#72
 Carbazole
 Concen: 0.011 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

Tgt Ion:167 Resp: 455
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.6 26.4#
 139 0.0 10.9 16.3#





#73

Di-n-butylphthalate

Concen: 0.139 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

Instrument :

BNA_F

ClientSampleId :

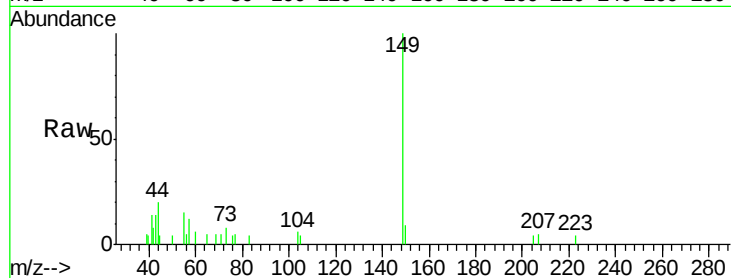
Tot Ion:149 Resp: 5894

Ion Ratio Lower Upper

149 100

150 9.5 7.8 11.6

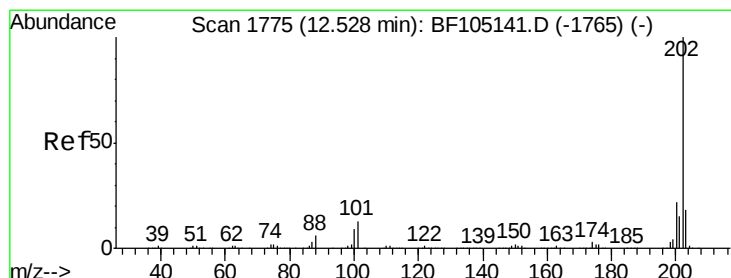
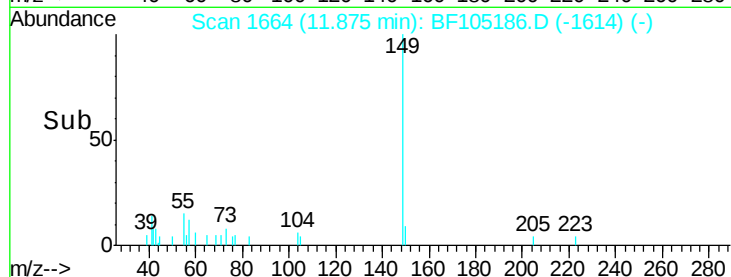
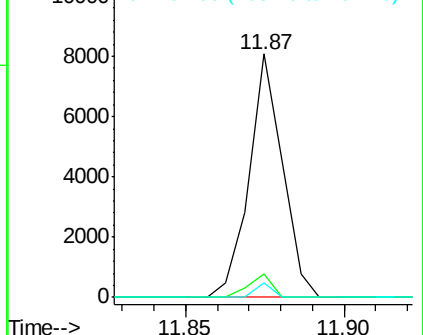
104 6.0 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.051 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

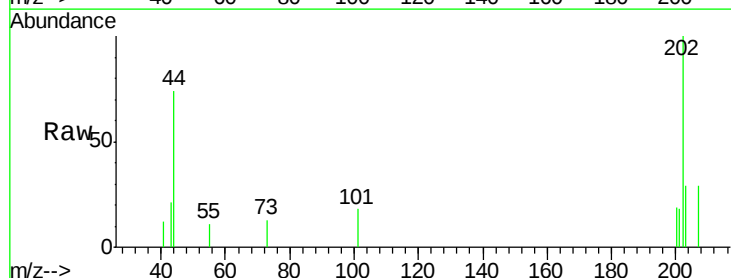
Tgt Ion:202 Resp: 2299

Ion Ratio Lower Upper

202 100

101 18.2 0.0 34.1

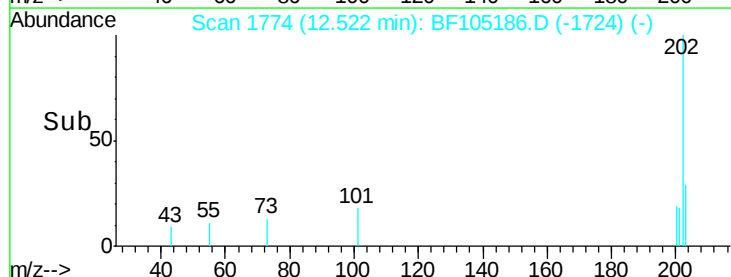
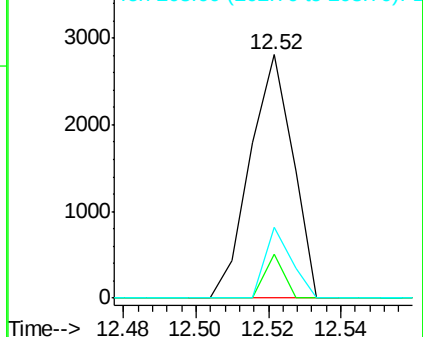
203 29.0 0.0 38.1

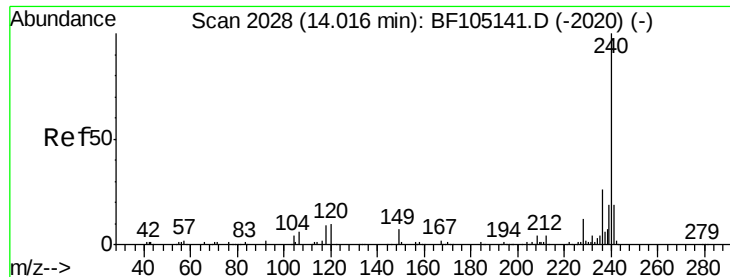


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

Instrument :

BNA_F

ClientSampled :

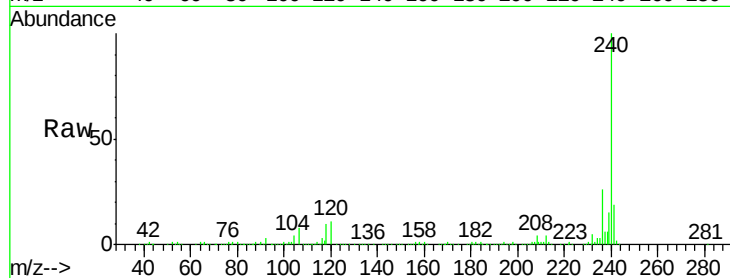
Tot Ion:240 Resp: 711730

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

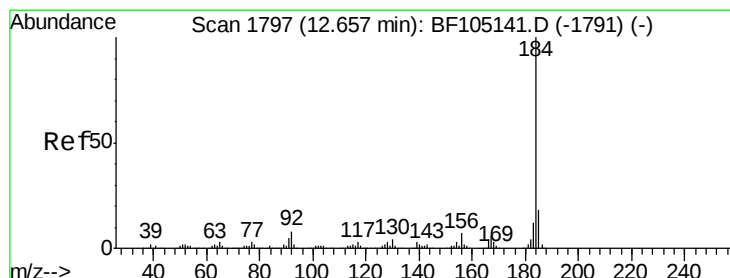
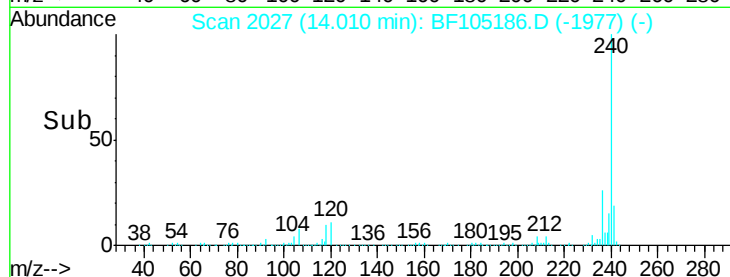
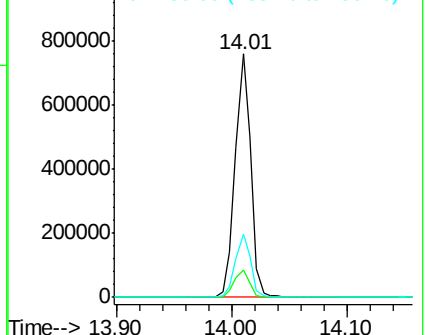
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 1.232 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.26 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

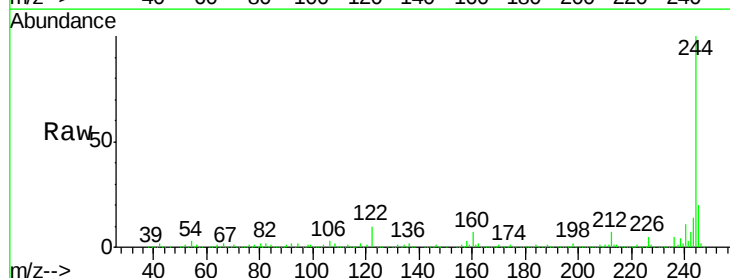
Tgt Ion:184 Resp: 32757

Ion Ratio Lower Upper

184 100

185 17.4 12.6 18.8

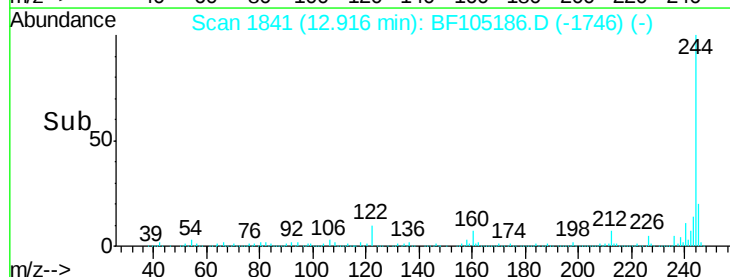
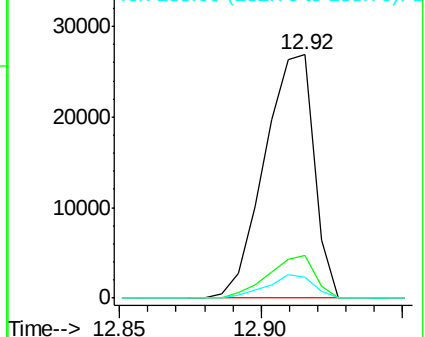
183 8.5 9.3 13.9#

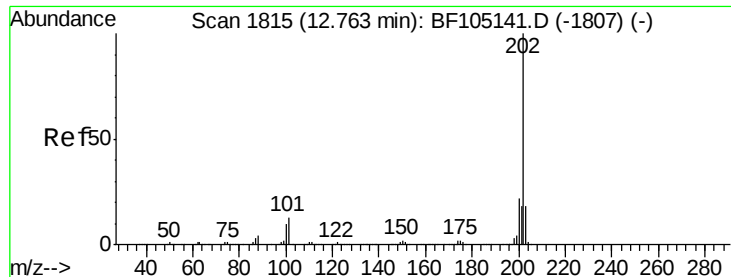


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 0.029 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

Instrument :

BNA_F

ClientSampled :

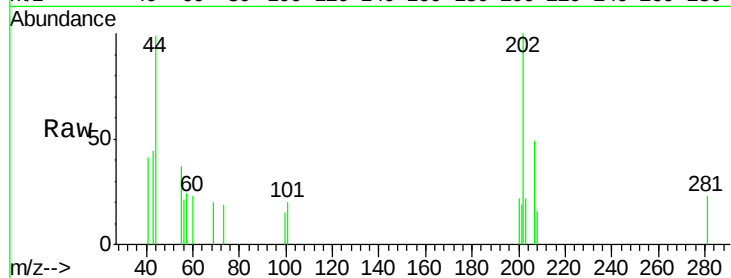
Tot Ion:202 Resp: 1508

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

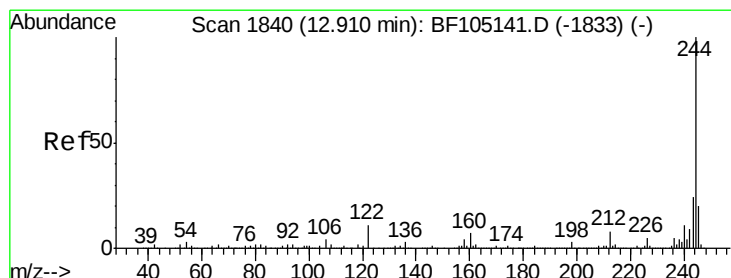
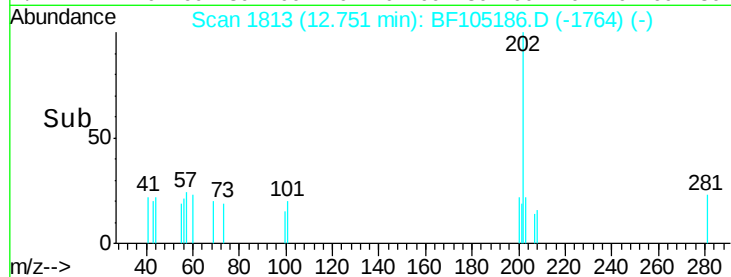
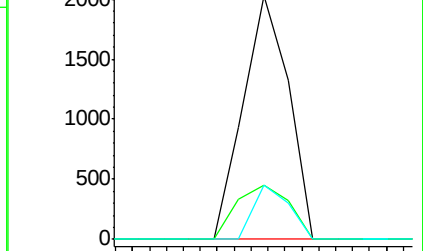
203 22.0 14.3 21.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 86.914 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

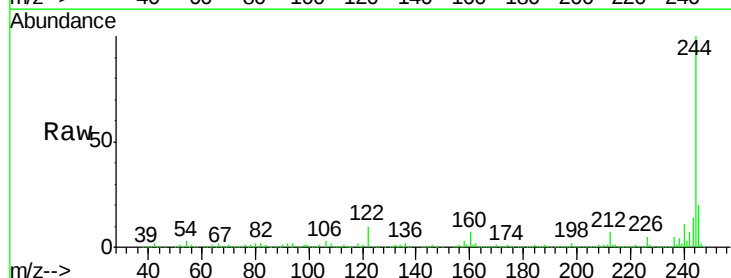
Tgt Ion:244 Resp: 2663054

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

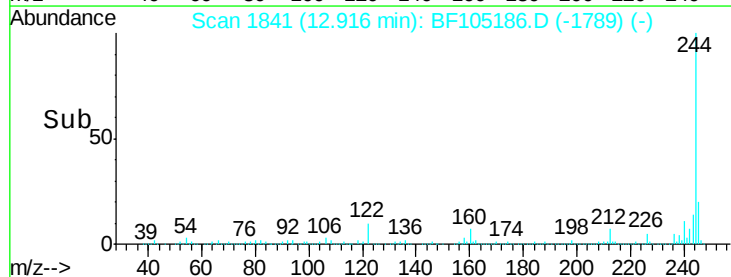
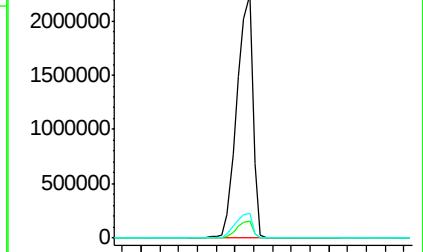
122 9.9 11.0 16.4#

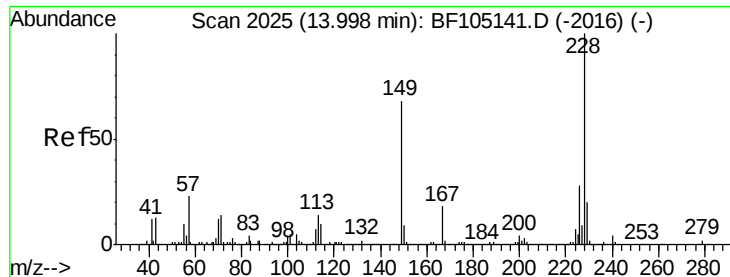


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 0.041 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

Instrument :

BNA_F

ClientSampleId :

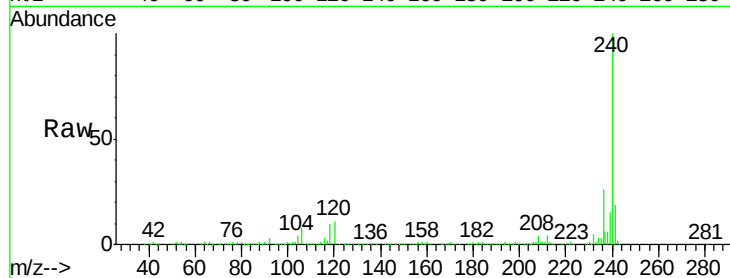
Tot Ion:228 Resp: 1782

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

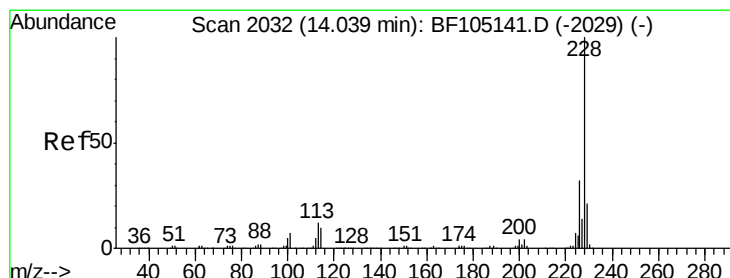
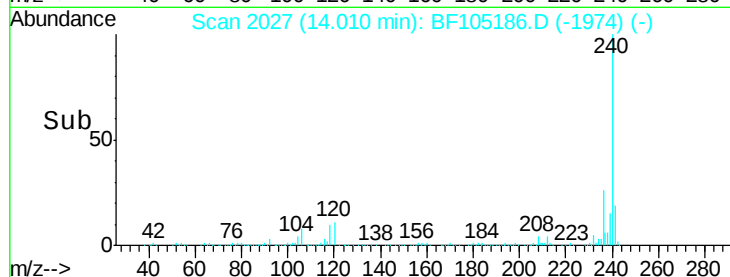
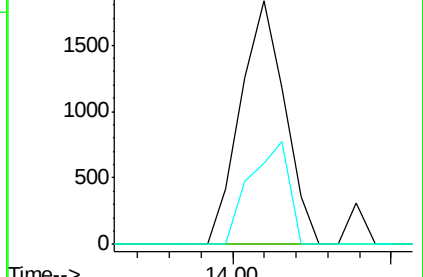
229 33.5 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 0.003 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF105186.D

Acq: 9 May 2018 10:50

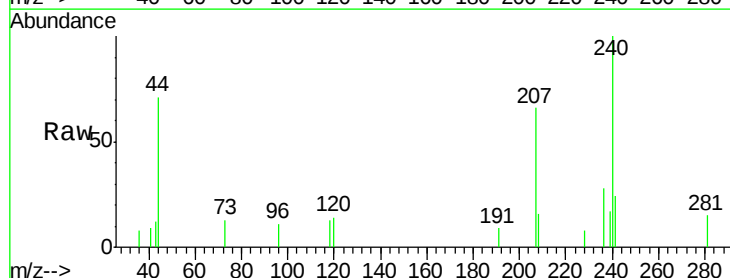
Tgt Ion:228 Resp: 112

Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.6#

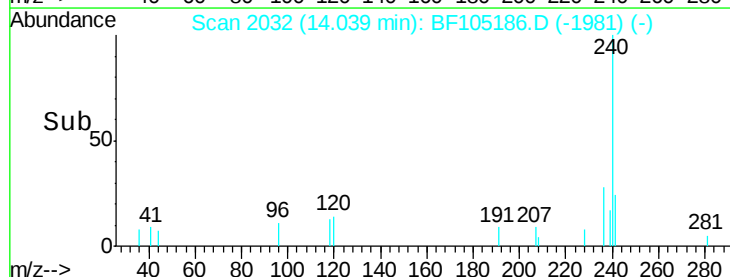
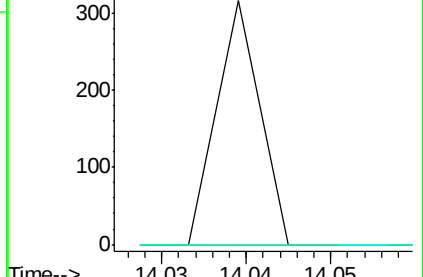
229 0.0 16.2 24.4#

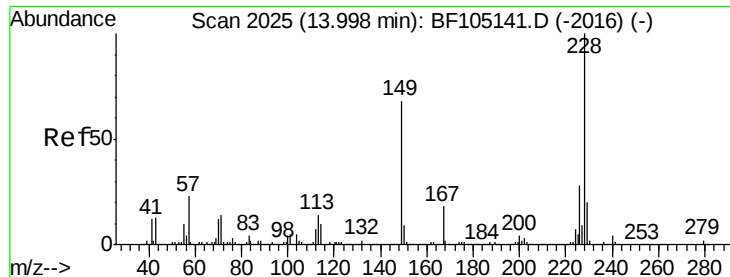


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

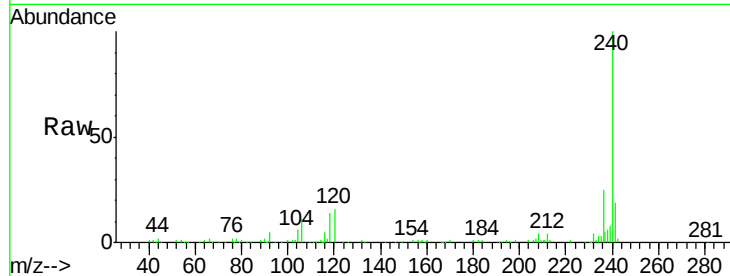




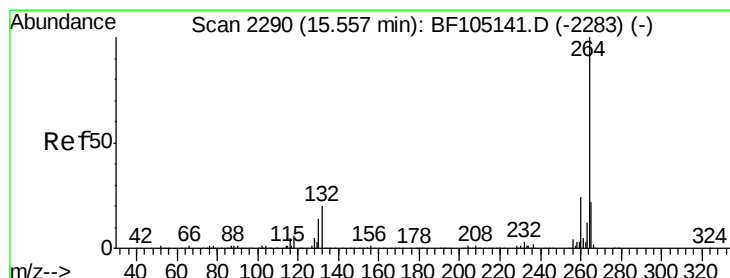
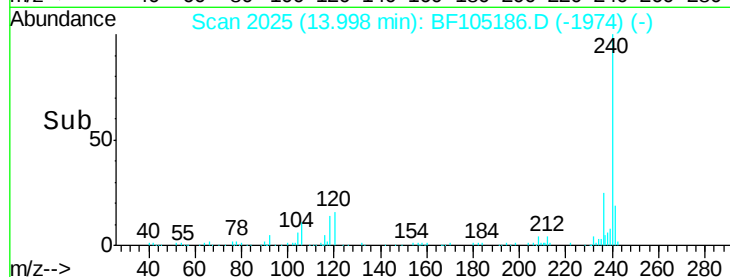
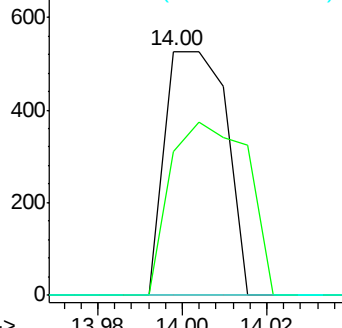
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.025 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.00 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 531
 Ion Ratio Lower Upper
 149 100
 167 58.9 21.3 31.9#
 279 0.0 3.0 4.4#

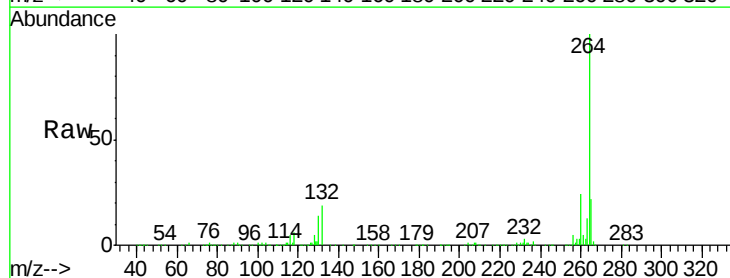


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

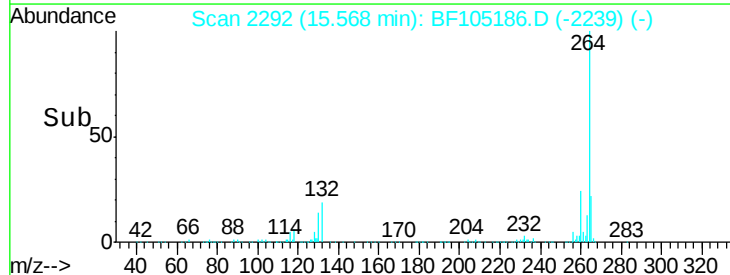
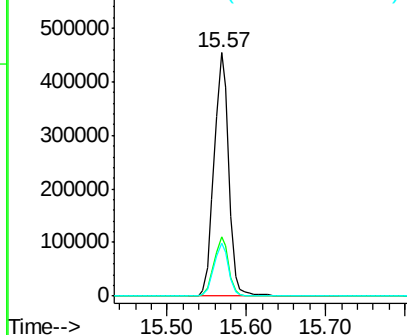


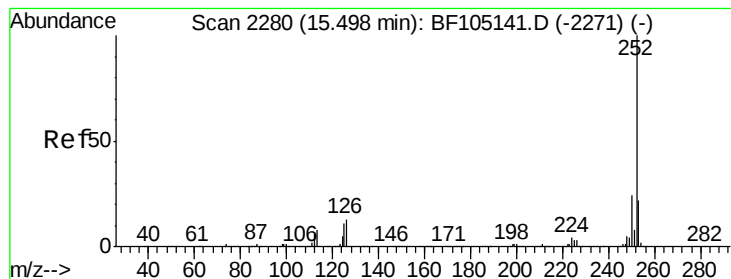
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. 0.01 min
 Lab File: BF105186.D
 Acq: 9 May 2018 10:50

Tgt Ion:264 Resp: 588064
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 21.7 17.5 26.3



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





#89

Benzo(a)pyrene

Concen: 0.062 ng

RT: 15.57 min Scan# 2292

Delta R.T. 0.07 min

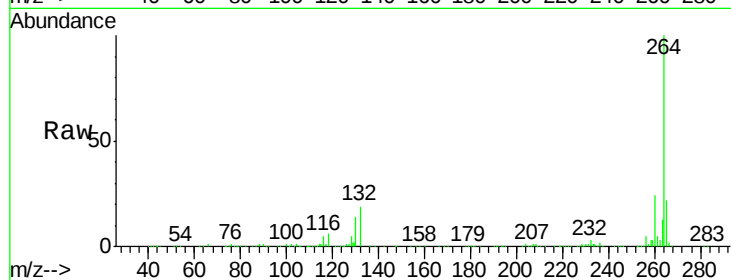
Lab File: BF105186.D

Acq: 9 May 2018 10:50

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	2032
Ion	Ratio	Lower	Upper
252	100		
253	33.5	17.1	25.7#
125	19.3	9.8	14.6#

