

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110617\
 Data File : BF100265.D
 Acq On : 6 Nov 2017 21:48
 Operator : SJ/JU
 Sample : I6321-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 07 00:20:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 13:31:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	98549	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	401526	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	185090	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	313494	20.00	ng	0.00
75) Chrysene-d12	13.94	240	165960	20.00	ng	0.00
86) Perylene-d12	15.40	264	165271	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	360212	57.38	ng	0.01
7) Phenol-d6	6.42	99	281192	37.78	ng	0.00
23) Nitrobenzene-d5	7.33	82	555597	89.08	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	210565	124.83	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1050933	87.60	ng	0.00
78) Terphenyl-d14	12.87	244	845935	111.39	ng	0.00

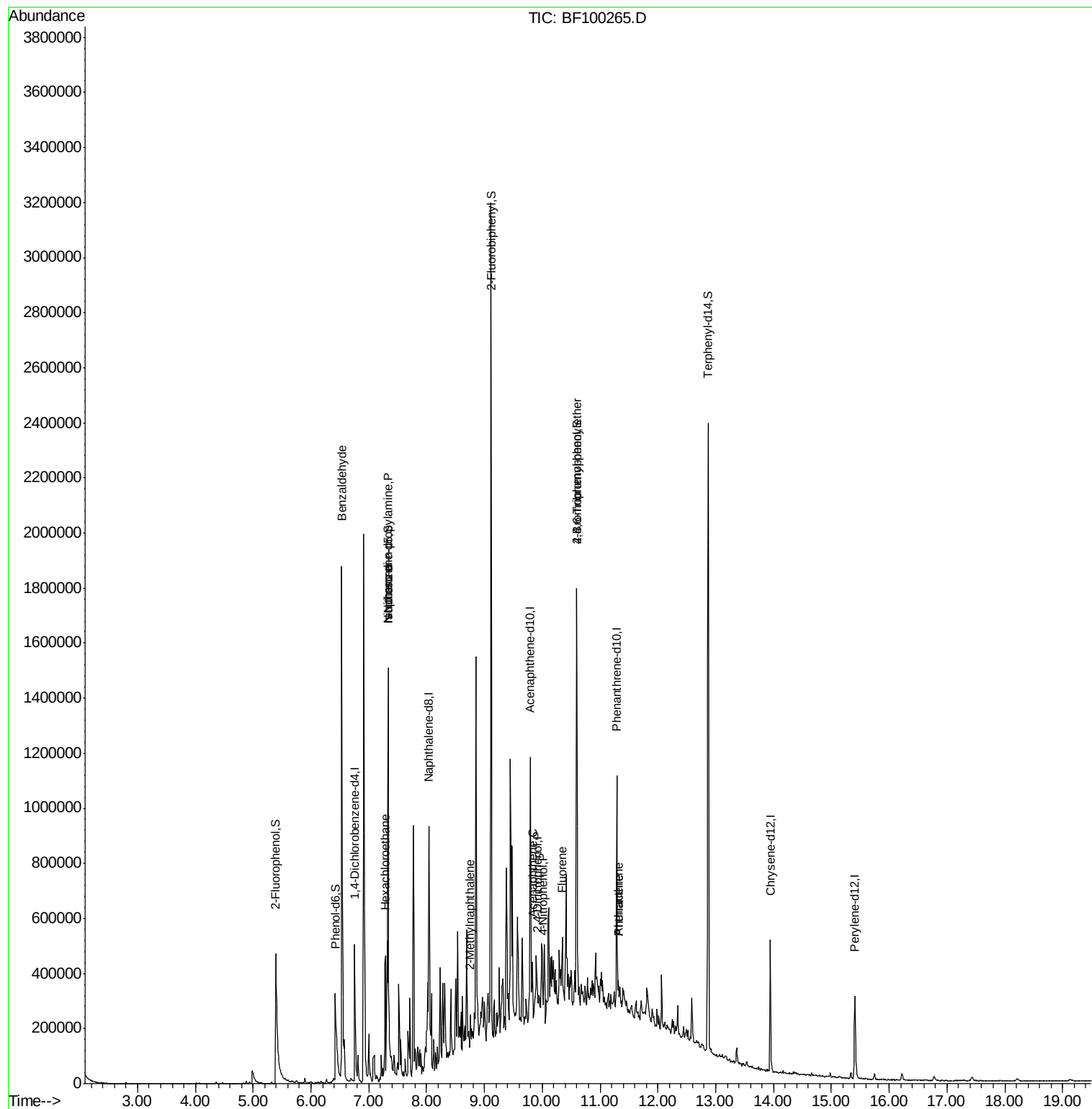
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	12413	2.791	ng	87
18) Hexachloroethane	7.29	117	42610	16.753	ng	# 1
19) n-Nitroso-di-n-propylamine	7.33	70	74877	17.167	ng	# 72
25) Isophorone	7.33	82	555597	49.094	ng	# 64
37) 2-Methylnaphthalene	8.76	142	33202	2.556	ng	99
51) Acenaphthene	9.83	154	31391	2.743	ng	96
53) 2,4-Dinitrophenol	9.92	184	109	5.844	ng	# 1
55) 4-Nitrophenol	10.01	139	15207	8.016	ng	# 35
57) Fluorene	10.35	166	56629	4.234	ng	98
66) 4-Bromophenyl-phenylether	10.60	248	13347	4.044	ng	# 1
70) Phenanthrene	11.32	178	38193	2.159	ng	96
71) Anthracene	11.32	178	38098	2.121	ng	94

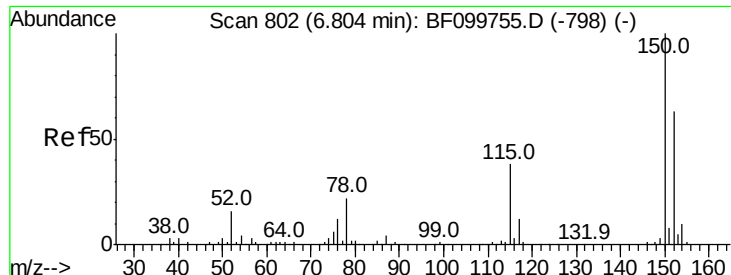
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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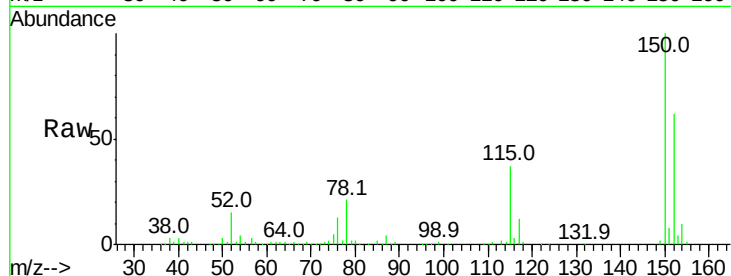


#1

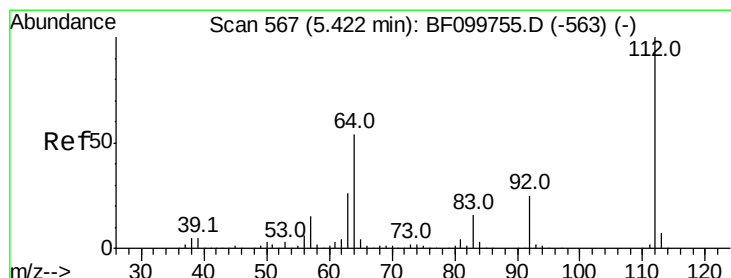
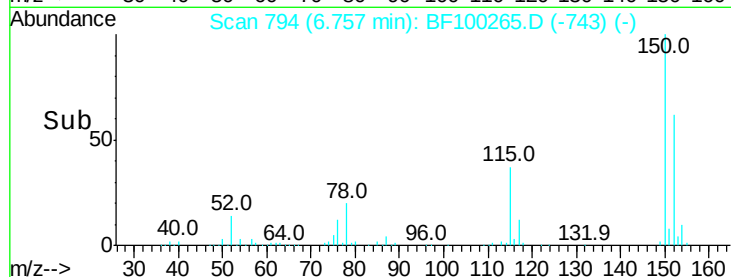
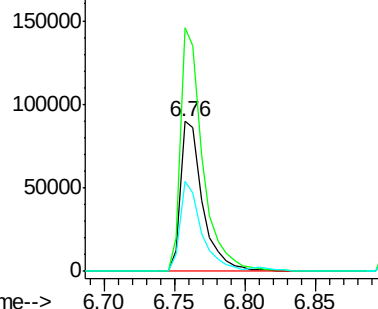
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF100265.D
Acq: 6 Nov 2017 21:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 98549
Ion Ratio Lower Upper
152 100
150 162.6 124.6 186.8
115 60.3 50.1 75.1



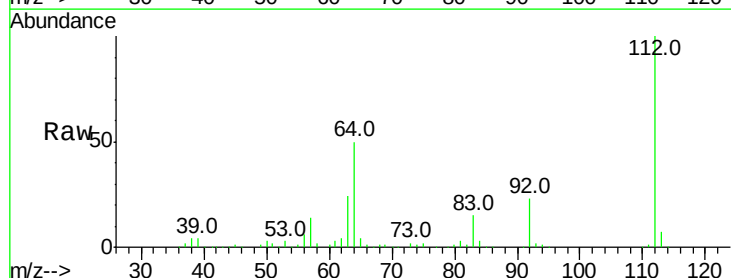
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



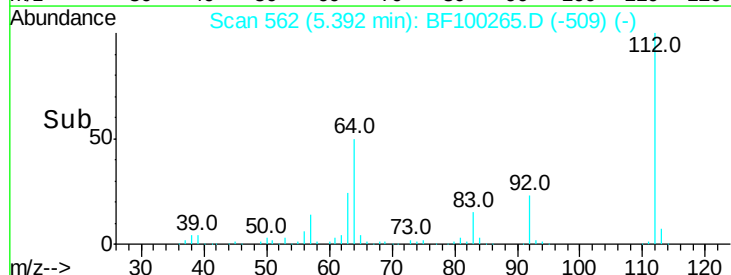
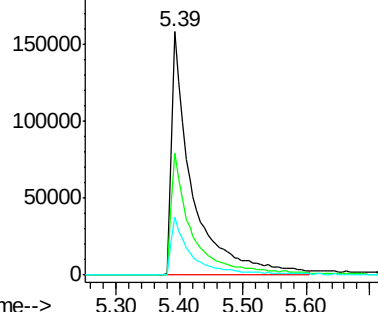
#5

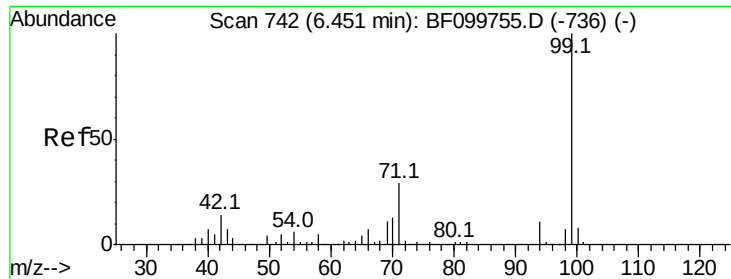
2-Fluorophenol
Concen: 57.385 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF100265.D
Acq: 6 Nov 2017 21:48

Tgt Ion:112 Resp: 360212
Ion Ratio Lower Upper
112 100
64 50.0 47.9 71.9
63 23.8 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





#7

Phenol-d6

Concen: 37.780 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.01 min

Lab File: BF100265.D

Acq: 6 Nov 2017 21:48

Instrument :

BNA_F

ClientSampleId :

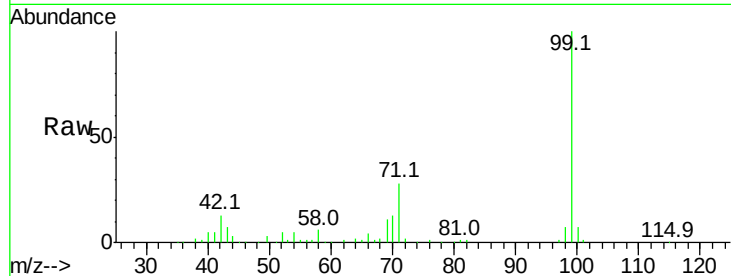
Tot Ion: 99 Resp: 281192

Ion Ratio Lower Upper

99 100

42 12.8 14.5 21.7#

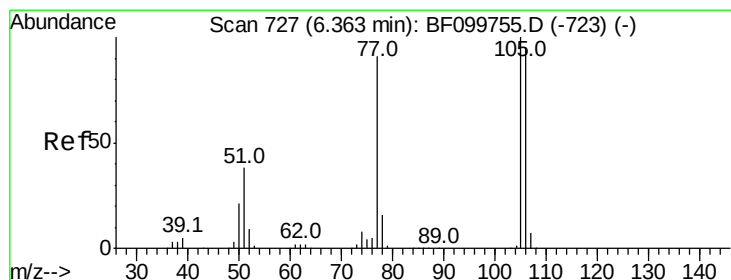
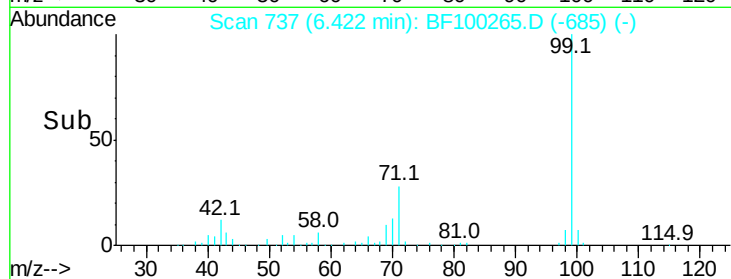
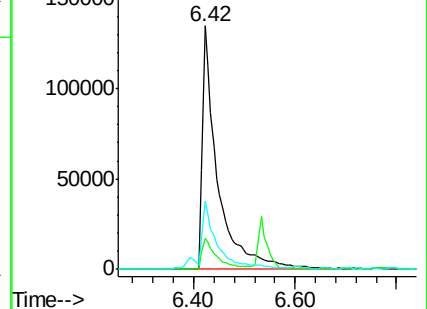
71 28.0 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.791 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.21 min

Lab File: BF100265.D

Acq: 6 Nov 2017 21:48

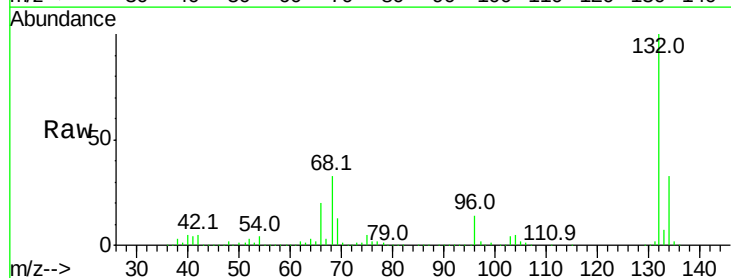
Tgt Ion: 77 Resp: 12413

Ion Ratio Lower Upper

77 100

105 87.1 81.1 121.1

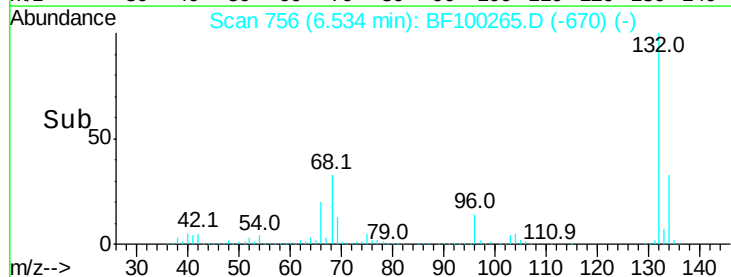
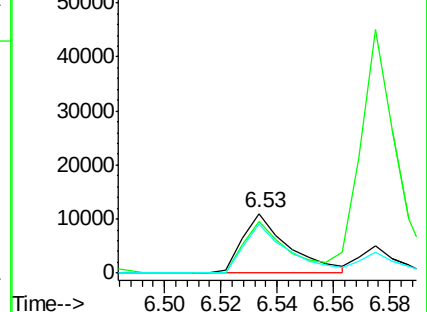
106 82.2 74.5 114.5

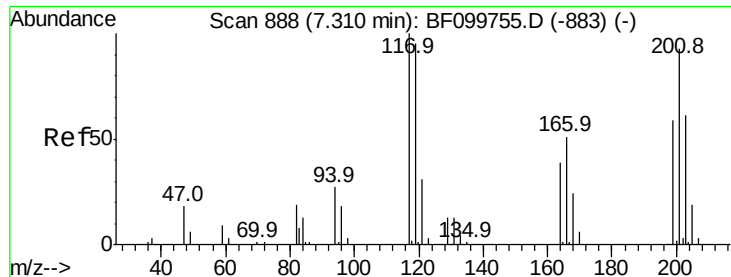


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

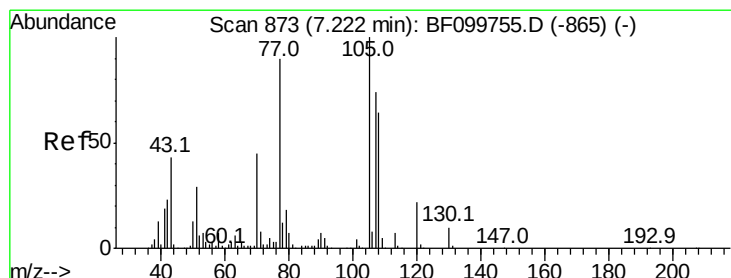
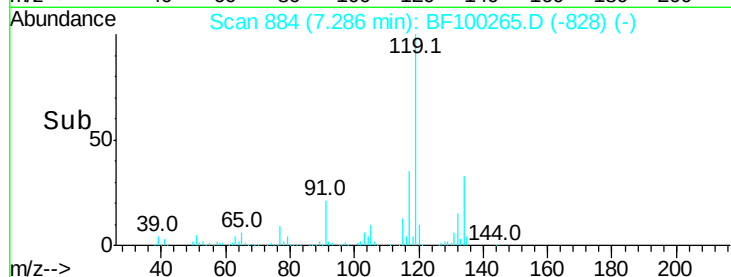
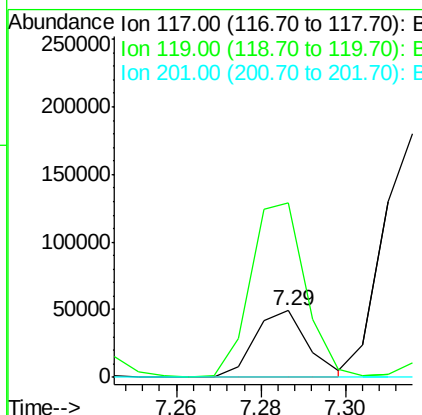
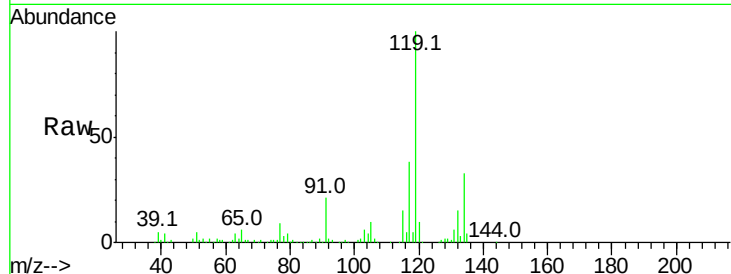




#18
Hexachloroethane
Concen: 16.753 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.03 min
Lab File: BF100265.D
Acq: 6 Nov 2017 21:48

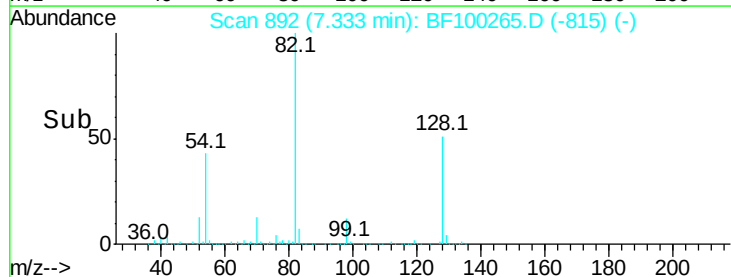
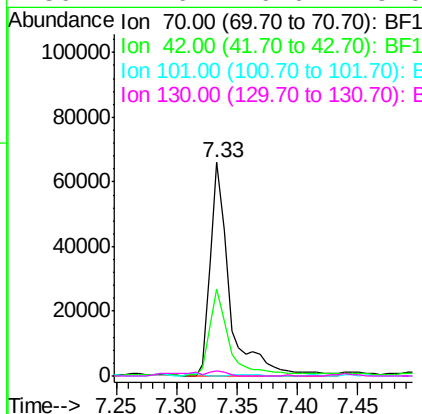
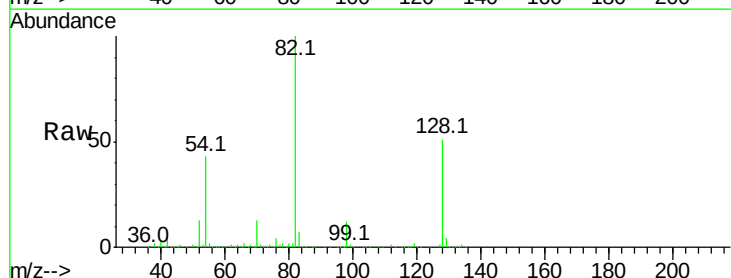
Instrument :
BNA_F
ClientSampled :

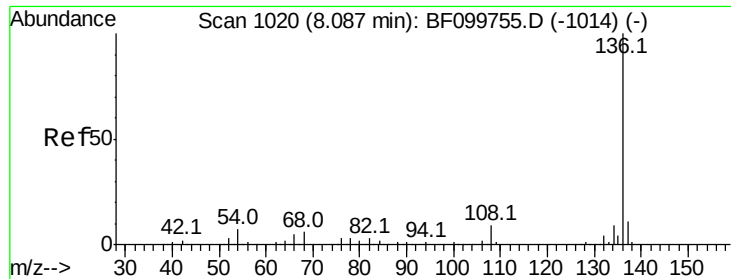
Tot Ion:117 Resp: 42610
Ion Ratio Lower Upper
117 100
119 263.6 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 17.167 ng
RT: 7.33 min Scan# 892
Delta R.T. 0.15 min
Lab File: BF100265.D
Acq: 6 Nov 2017 21:48

Tgt Ion: 70 Resp: 74877
Ion Ratio Lower Upper
70 100
42 40.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#

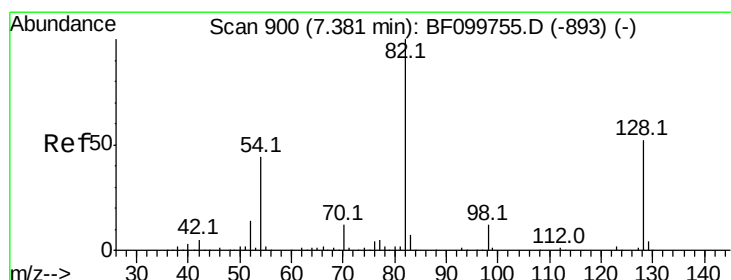
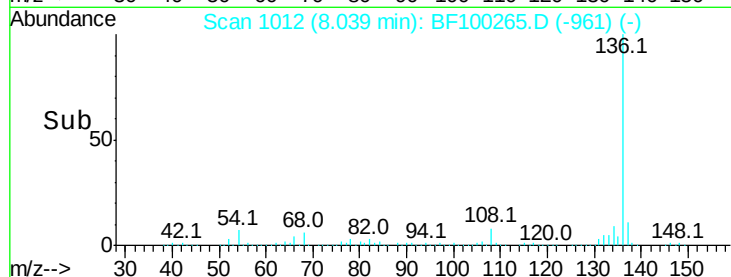
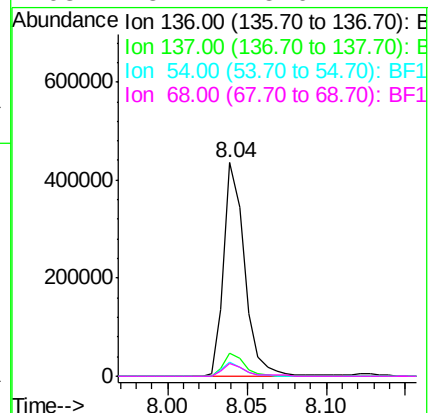
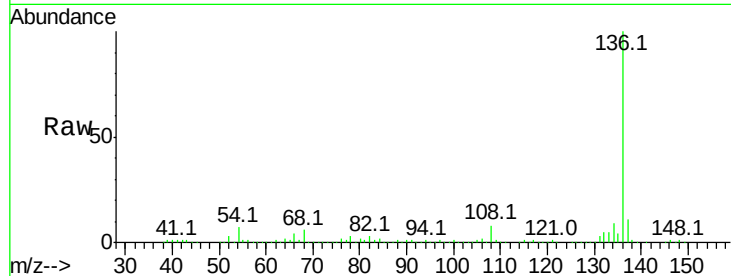




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: BF100265.D
Acq: 6 Nov 2017 21:48

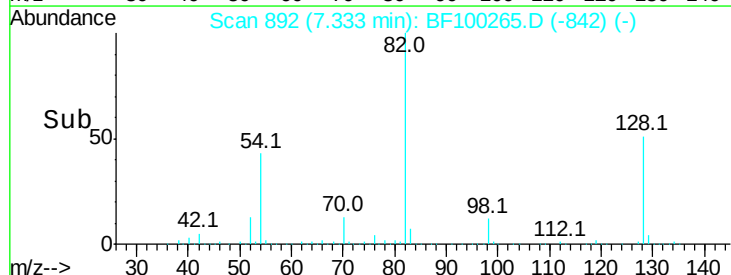
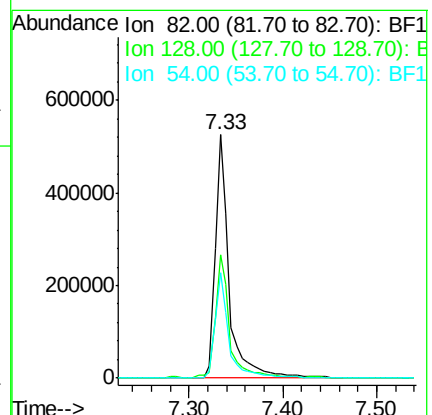
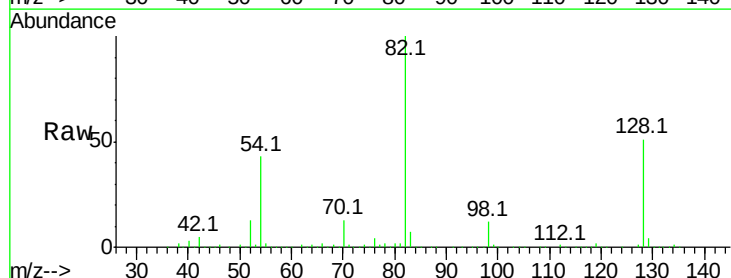
Instrument :
BNA_F
ClientSampleId :

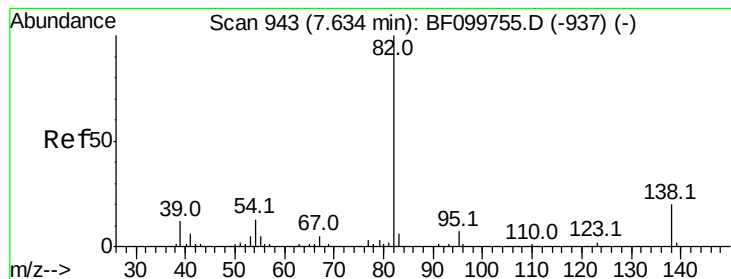
Tot Ion:	136	Resp:	401526
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.5	6.6	9.8#
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 89.084 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF100265.D
Acq: 6 Nov 2017 21:48

Tgt Ion:	82	Resp:	555597
Ion	Ratio	Lower	Upper
82	100		
128	50.6	36.1	54.1
54	43.2	41.4	62.2





#25

Isophorone

Concen: 49.094 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF100265.D

Acq: 6 Nov 2017 21:48

Instrument :

BNA_F

ClientSampleId :

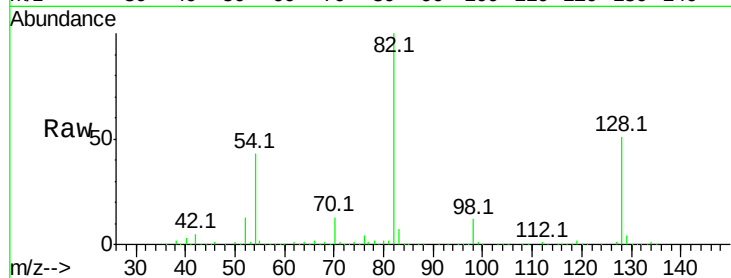
Tot Ion: 82 Resp: 55597

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

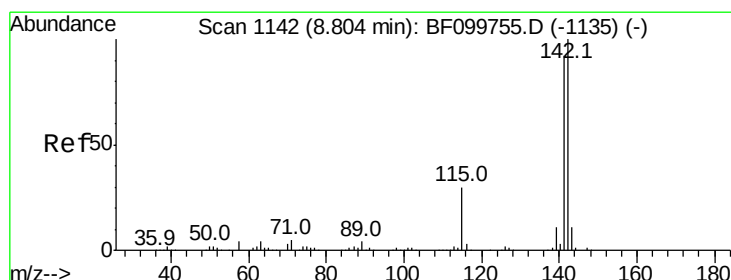
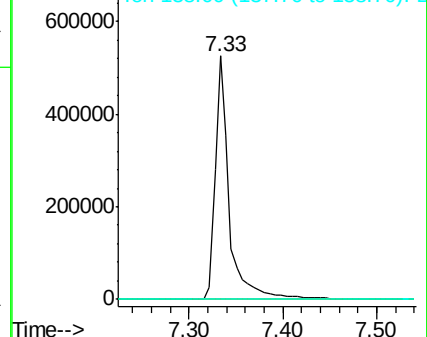
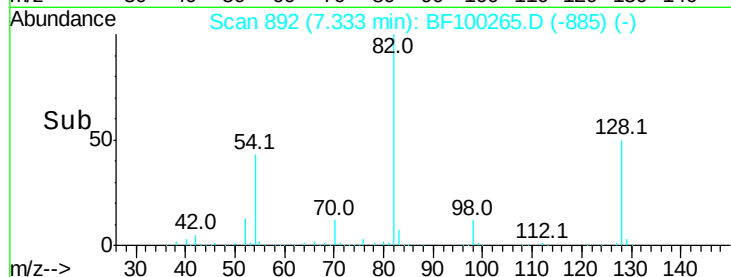
138 0.0 14.9 22.3#



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



#37

2-Methylnaphthalene

Concen: 2.556 ng

RT: 8.76 min Scan# 1134

Delta R.T. -0.00 min

Lab File: BF100265.D

Acq: 6 Nov 2017 21:48

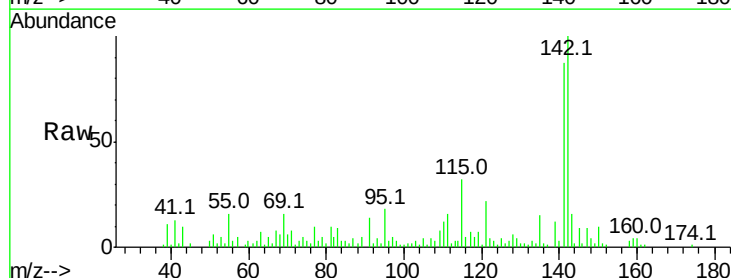
Tgt Ion:142 Resp: 33202

Ion Ratio Lower Upper

142 100

141 86.7 70.8 106.2

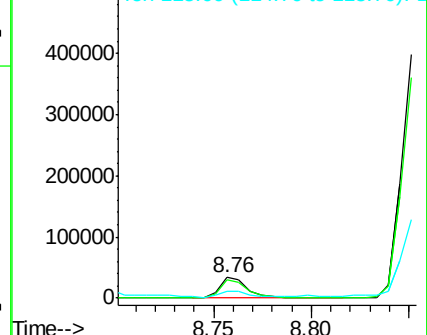
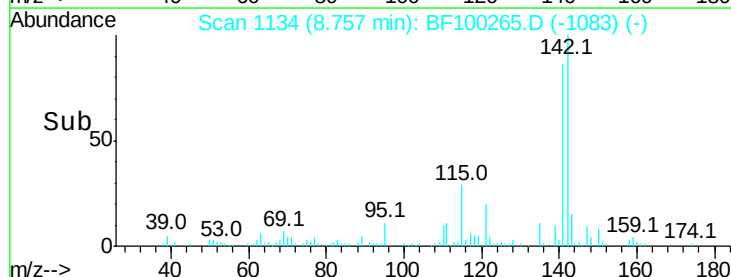
115 32.4 26.1 39.1

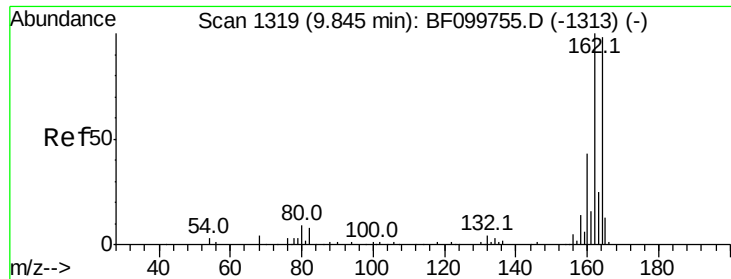


Abundance Ion 142.00 (141.70 to 142.70): BF1

Ion 141.00 (140.70 to 141.70): BF1

Ion 115.00 (114.70 to 115.70): BF1

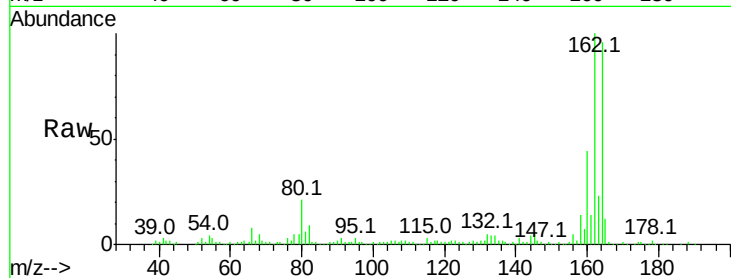




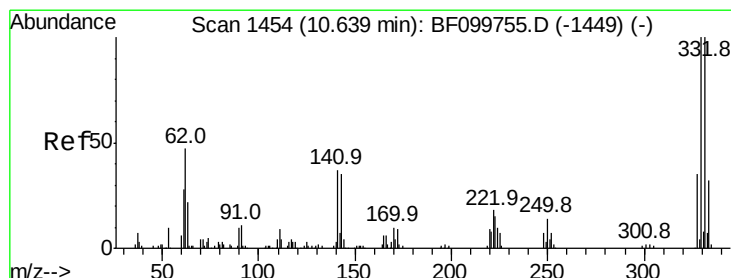
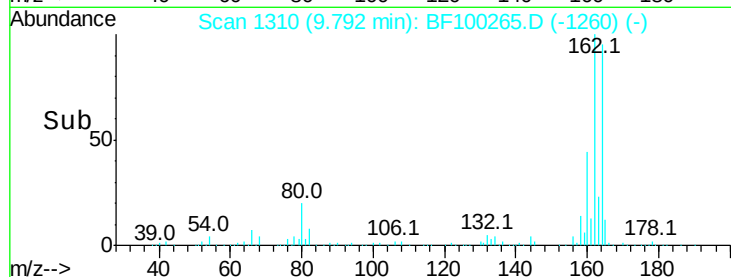
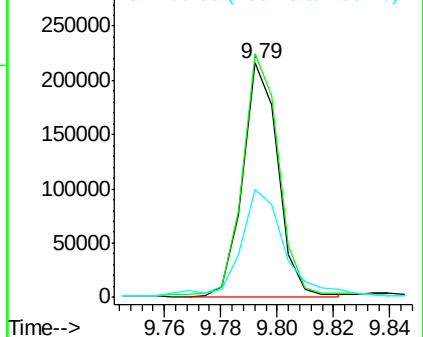
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF100265.D
 Acq: 6 Nov 2017 21:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 185090
 Ion Ratio Lower Upper
 164 100
 162 103.9 86.1 129.1
 160 46.0 38.3 57.5

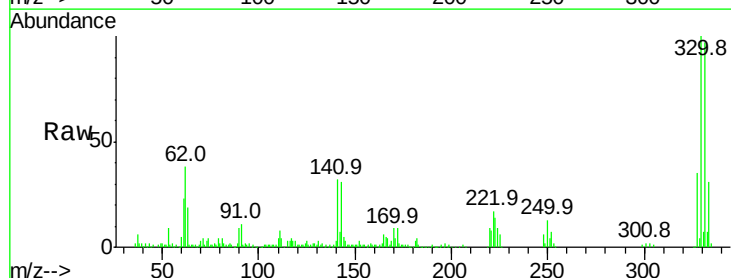


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

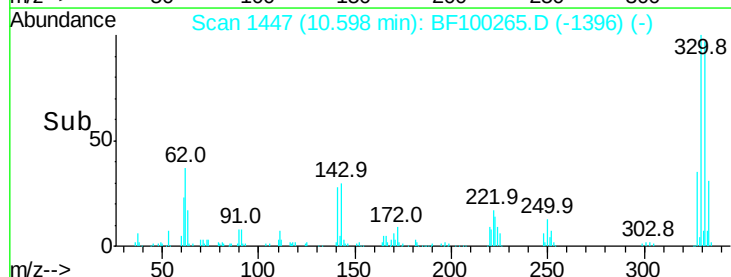
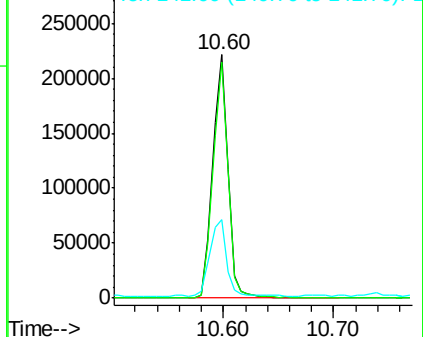


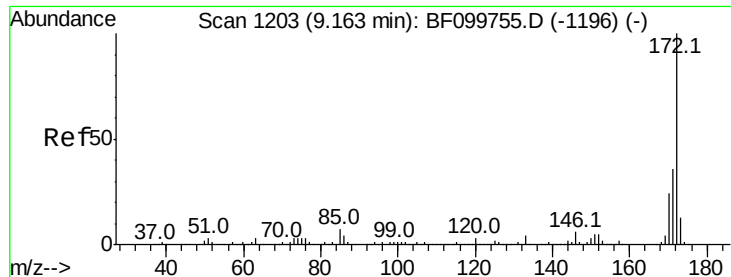
#41
 2,4,6-Tribromophenol
 Concen: 124.834 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.00 min
 Lab File: BF100265.D
 Acq: 6 Nov 2017 21:48

Tgt Ion:330 Resp: 210565
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 34.1 29.9 44.9



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



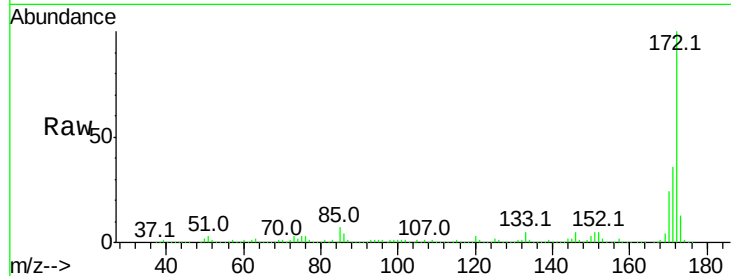


#44
 2-Fluorobiphenyl
 Concen: 87.602 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: BF100265.D
 Acq: 6 Nov 2017 21:48

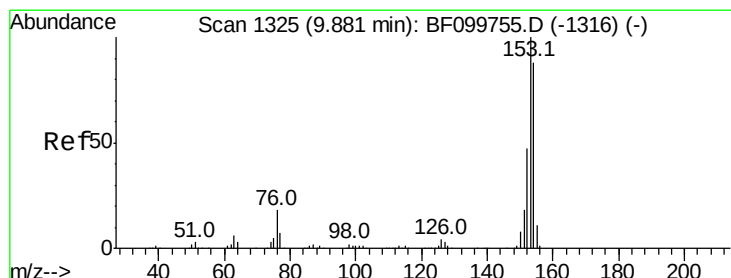
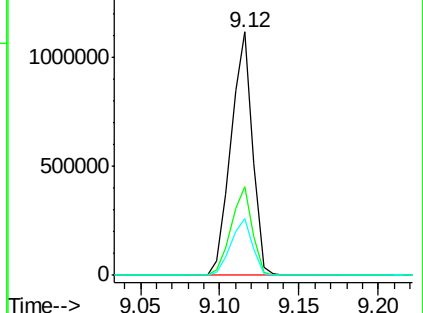
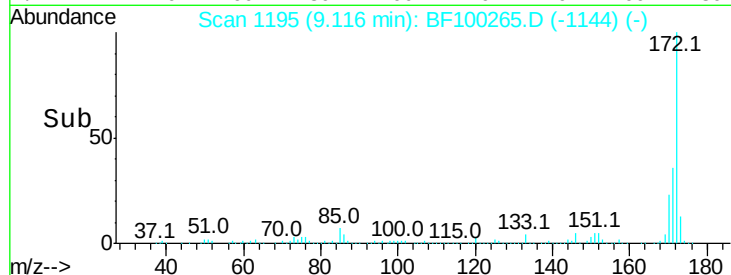
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1050933

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.5	19.6	29.4



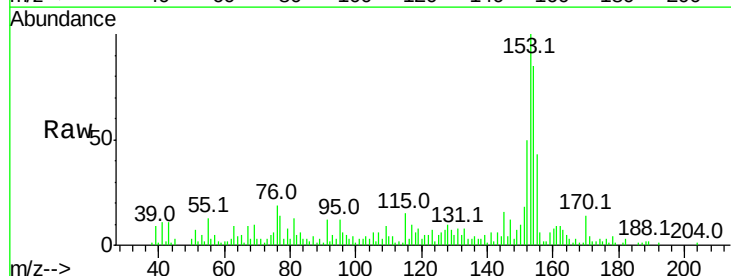
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



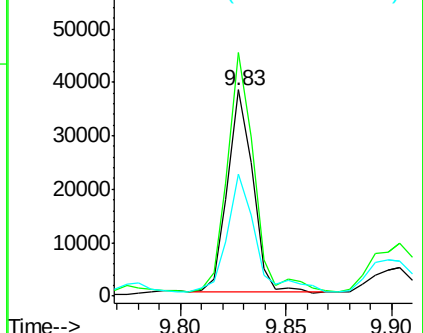
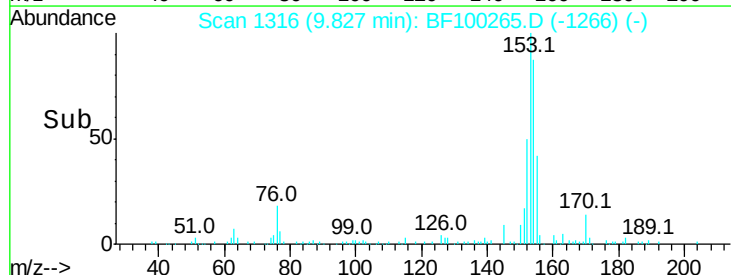
#51
 Acenaphthene
 Concen: 2.743 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF100265.D
 Acq: 6 Nov 2017 21:48

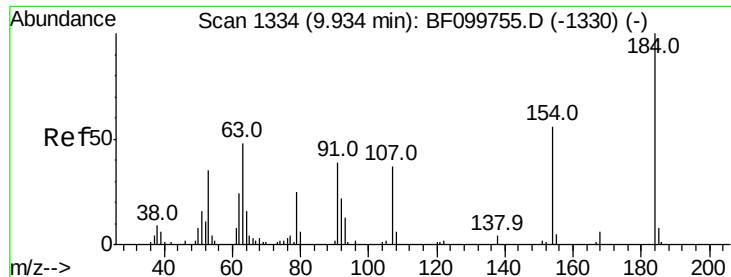
Tgt Ion:154 Resp: 31391

Ion	Ratio	Lower	Upper
154	100		
153	118.1	91.2	136.8
152	59.1	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

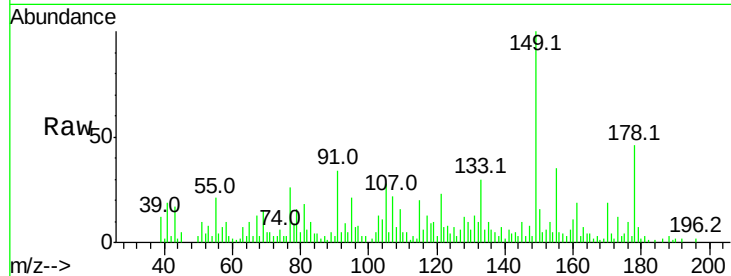




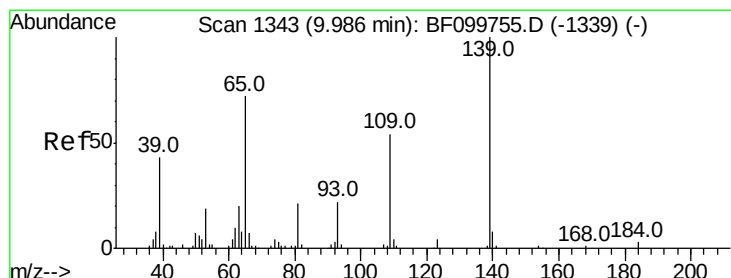
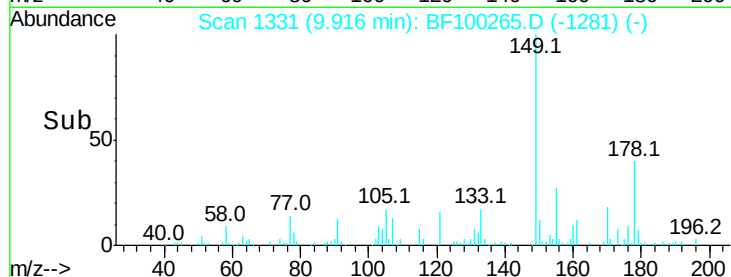
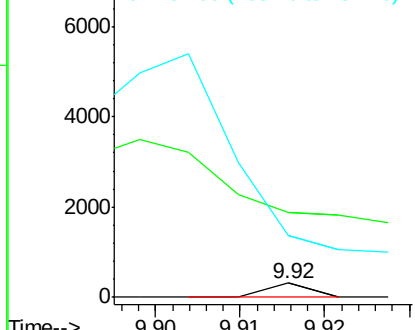
#53
2,4-Dinitrophenol
Concen: 5.844 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF100265.D
Acq: 6 Nov 2017 21:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 109
Ion Ratio Lower Upper
184 100
63 610.3 54.2 81.2#
154 445.2 53.5 80.3#

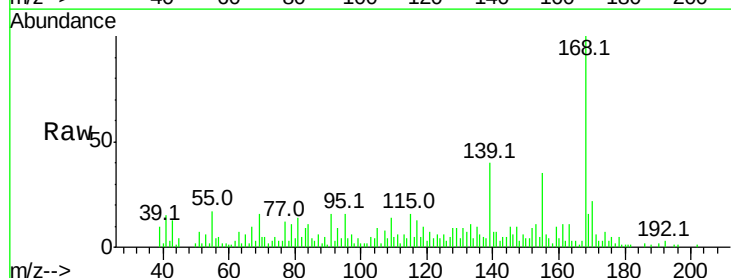


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

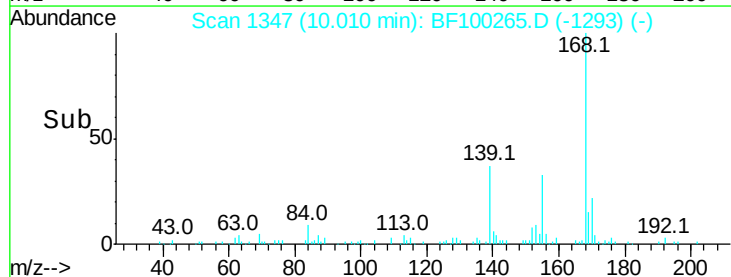
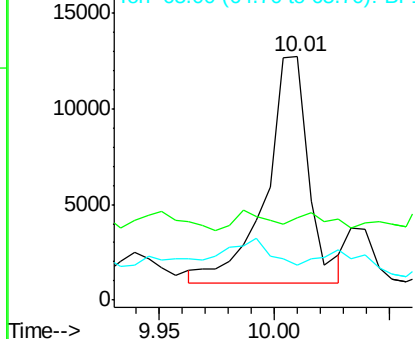


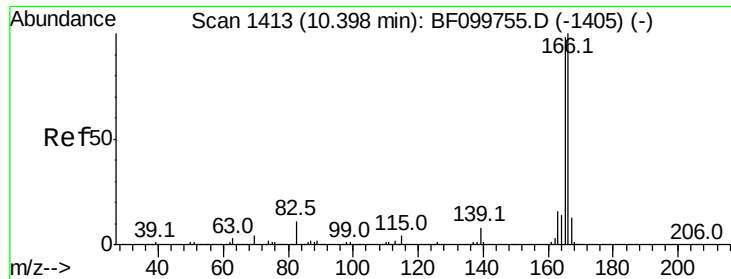
#55
4-Nitrophenol
Concen: 8.016 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.02 min
Lab File: BF100265.D
Acq: 6 Nov 2017 21:48

Tgt Ion:139 Resp: 15207
Ion Ratio Lower Upper
139 100
109 34.0 48.4 88.4#
65 14.6 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

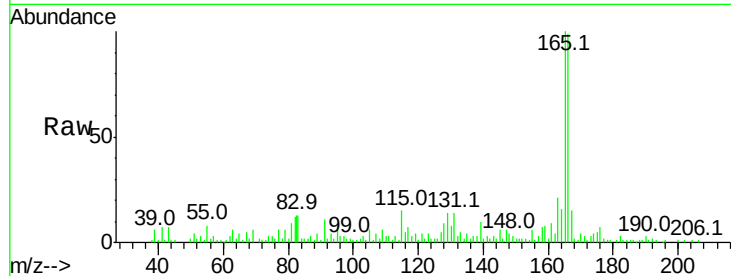




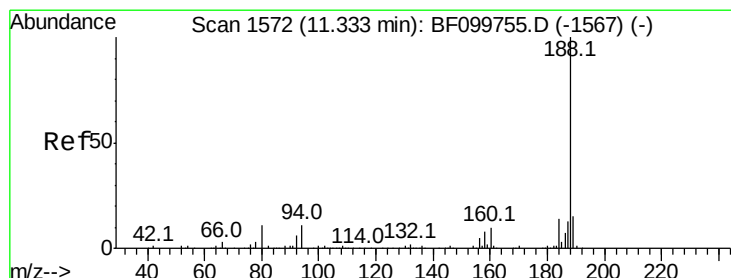
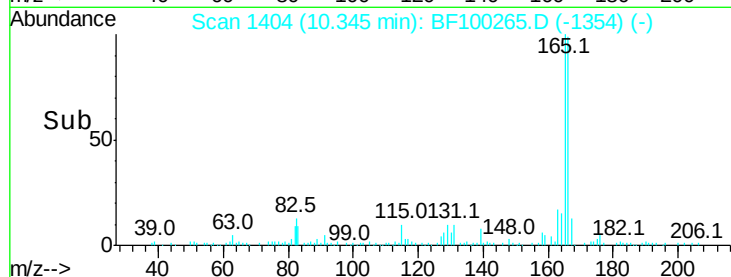
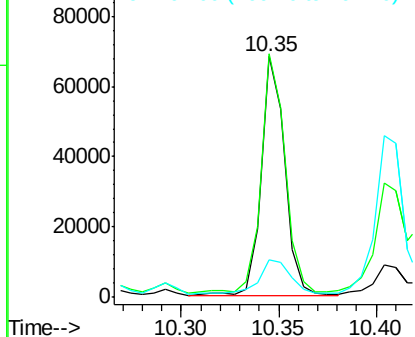
#57
Fluorene
 Concen: 4.234 ng
 RT: 10.35 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BF100265.D
 Acq: 6 Nov 2017 21:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 56629
 Ion Ratio Lower Upper
 166 100
 165 101.3 79.8 119.8
 167 15.5 10.6 16.0

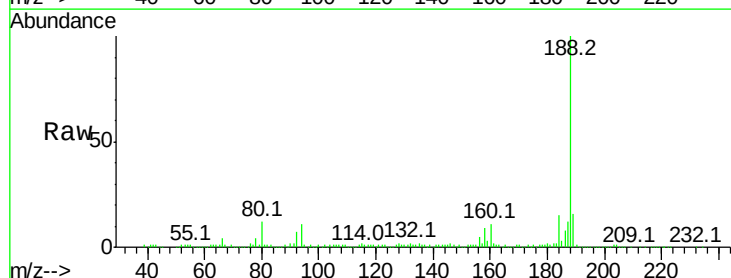


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

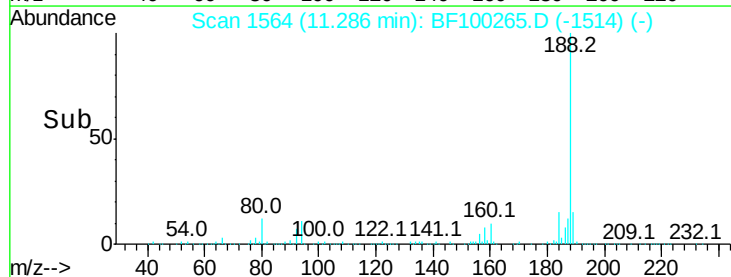
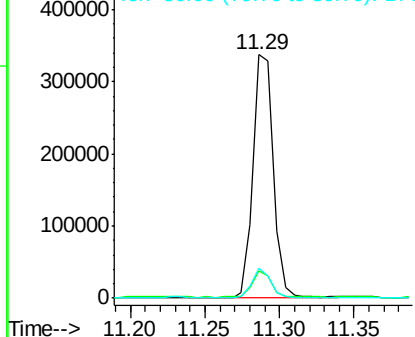


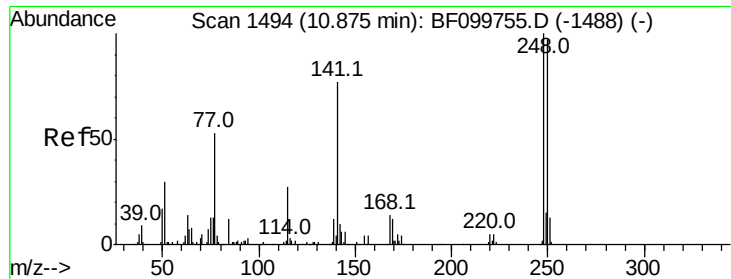
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF100265.D
 Acq: 6 Nov 2017 21:48

Tgt Ion:188 Resp: 313494
 Ion Ratio Lower Upper
 188 100
 94 11.0 8.5 12.7
 80 12.2 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

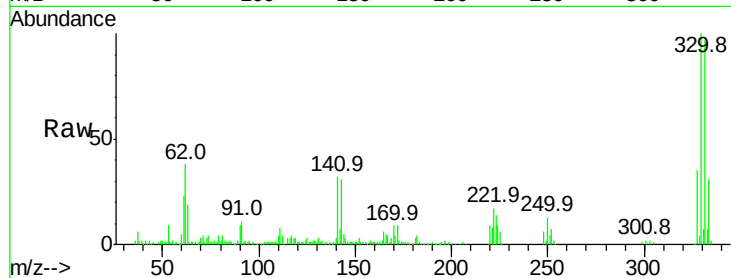




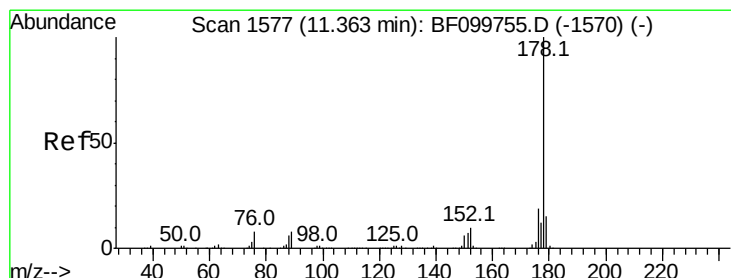
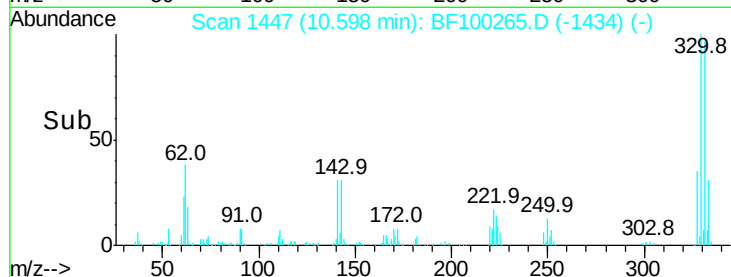
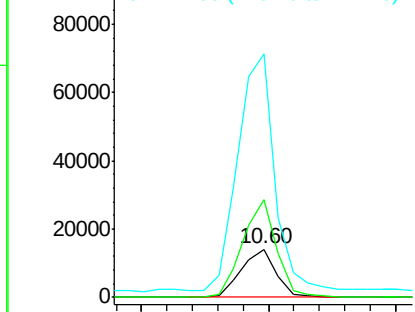
#66
 4-Bromophenyl-phenylether
 Concen: 4.044 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.22 min
 Lab File: BF100265.D
 Acq: 6 Nov 2017 21:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13347
 Ion Ratio Lower Upper
 248 100
 250 203.5 76.9 115.3#
 141 508.6 74.4 111.6#

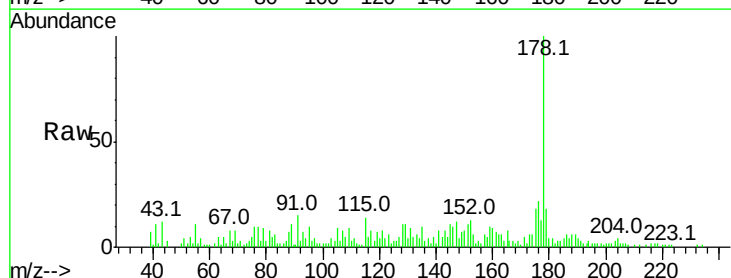


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

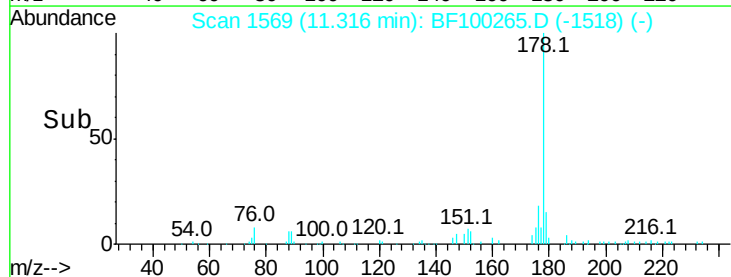
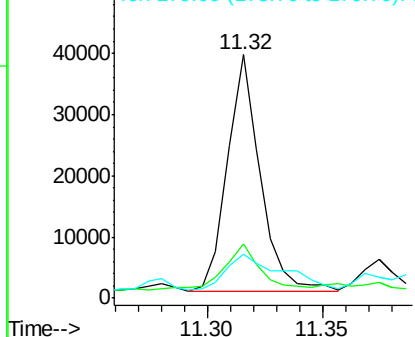


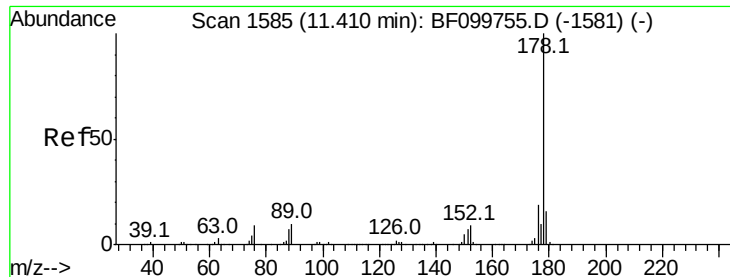
#70
 Phenanthrene
 Concen: 2.159 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BF100265.D
 Acq: 6 Nov 2017 21:48

Tgt Ion:178 Resp: 38193
 Ion Ratio Lower Upper
 178 100
 176 22.0 15.8 23.8
 179 17.9 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

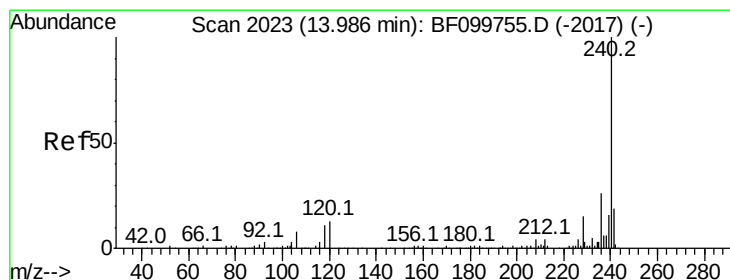
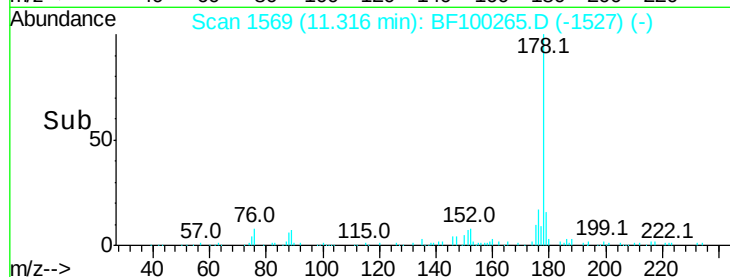
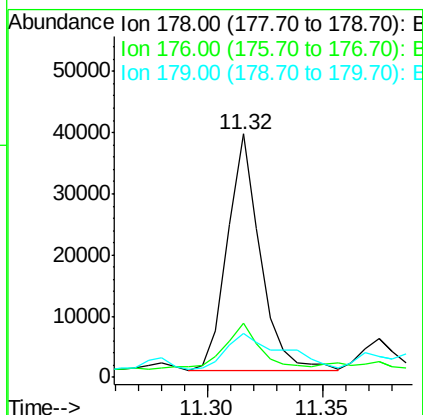
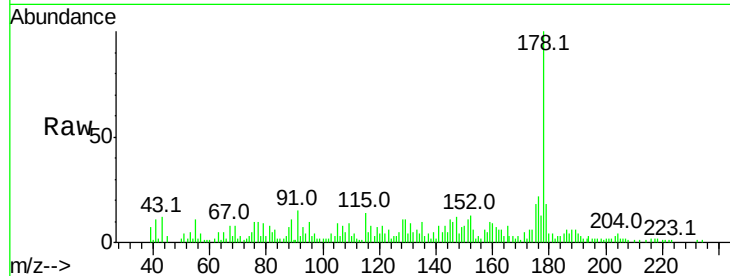




#71
 Anthracene
 Concen: 2.121 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.05 min
 Lab File: BF100265.D
 Acq: 6 Nov 2017 21:48

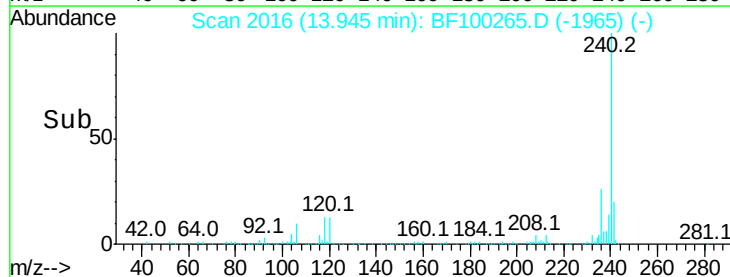
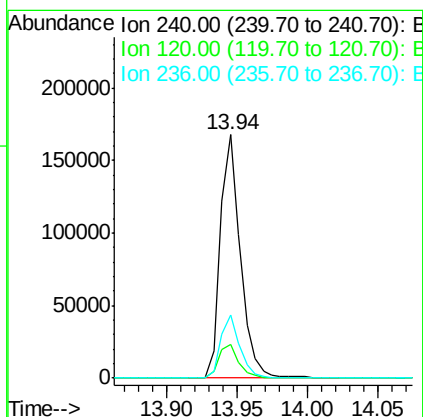
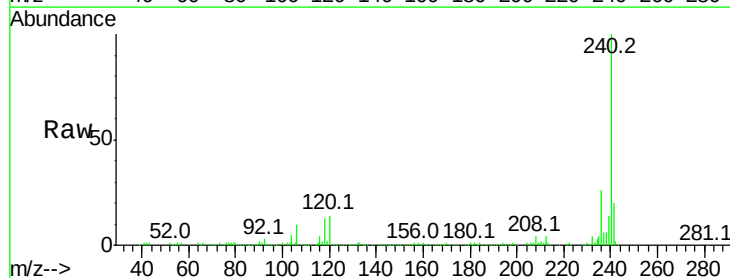
Instrument :
 BNA_F
 ClientSampleId :

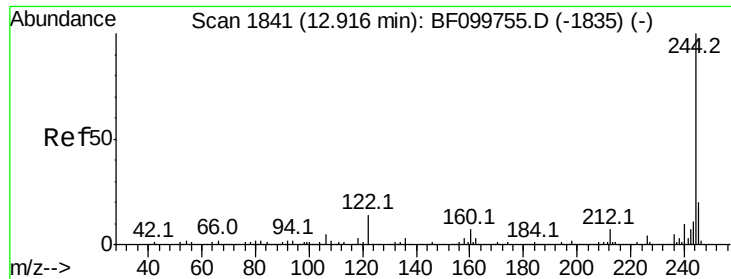
Tot Ion:178 Resp: 38098
 Ion Ratio Lower Upper
 178 100
 176 22.0 15.4 23.2
 179 17.9 12.6 19.0



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: BF100265.D
 Acq: 6 Nov 2017 21:48

Tgt Ion:240 Resp: 165960
 Ion Ratio Lower Upper
 240 100
 120 13.6 9.5 14.3
 236 25.8 20.7 31.1





#78

Terphenyl-d14

Concen: 111.393 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF100265.D

Acq: 6 Nov 2017 21:48

Instrument :

BNA_F

ClientSampleId :

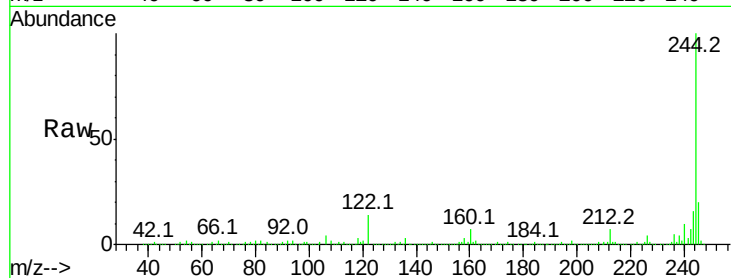
Tot Ion:244 Resp: 845935

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

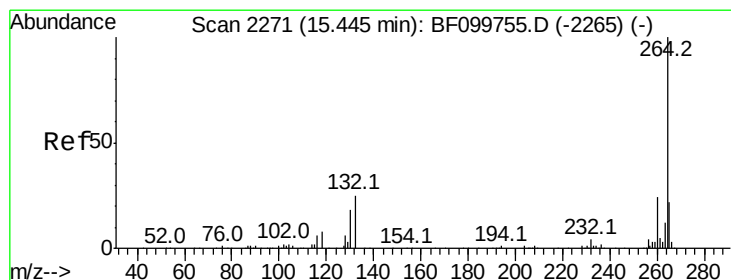
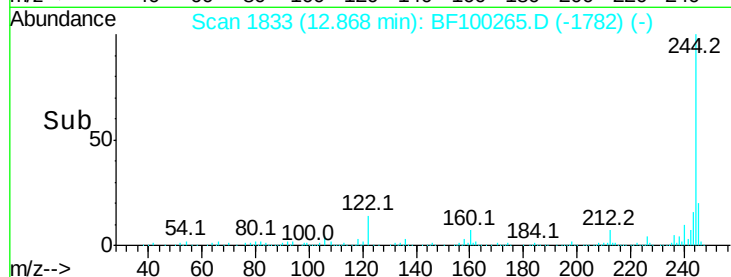
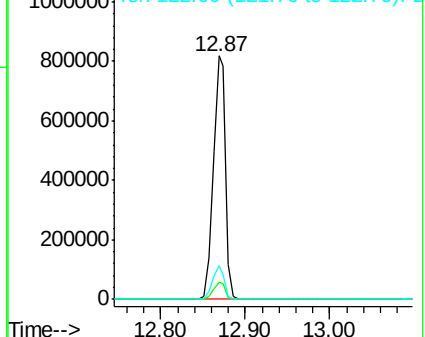
122 13.6 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. -0.00 min

Lab File: BF100265.D

Acq: 6 Nov 2017 21:48

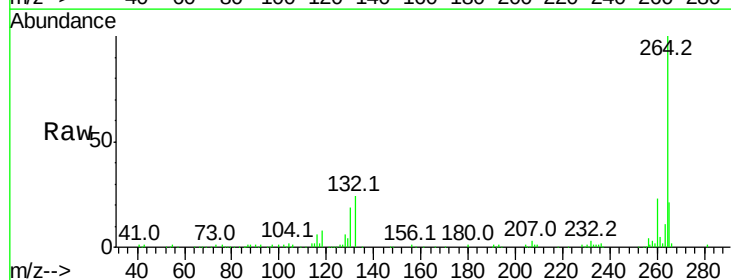
Tgt Ion:264 Resp: 165271

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 21.2 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

