

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111417\
 Data File : BF100576.D
 Acq On : 15 Nov 2017 8:20
 Operator : SJ/JU
 Sample : I6307-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 15 11:11:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 14 14:17:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	97142	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	341191	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	125391	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	207860	20.00	ng	0.00
75) Chrysene-d12	14.04	240	202960	20.00	ng	-0.01
86) Perylene-d12	15.52	264	131902	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	849232	140.14	ng	0.02
7) Phenol-d6	6.51	99	916999	122.71	ng	0.00
23) Nitrobenzene-d5	7.45	82	679370	131.64	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	211953	165.88	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1138107	138.21	ng	0.00
78) Terphenyl-d14	12.99	244	921454	104.32	ng	0.00

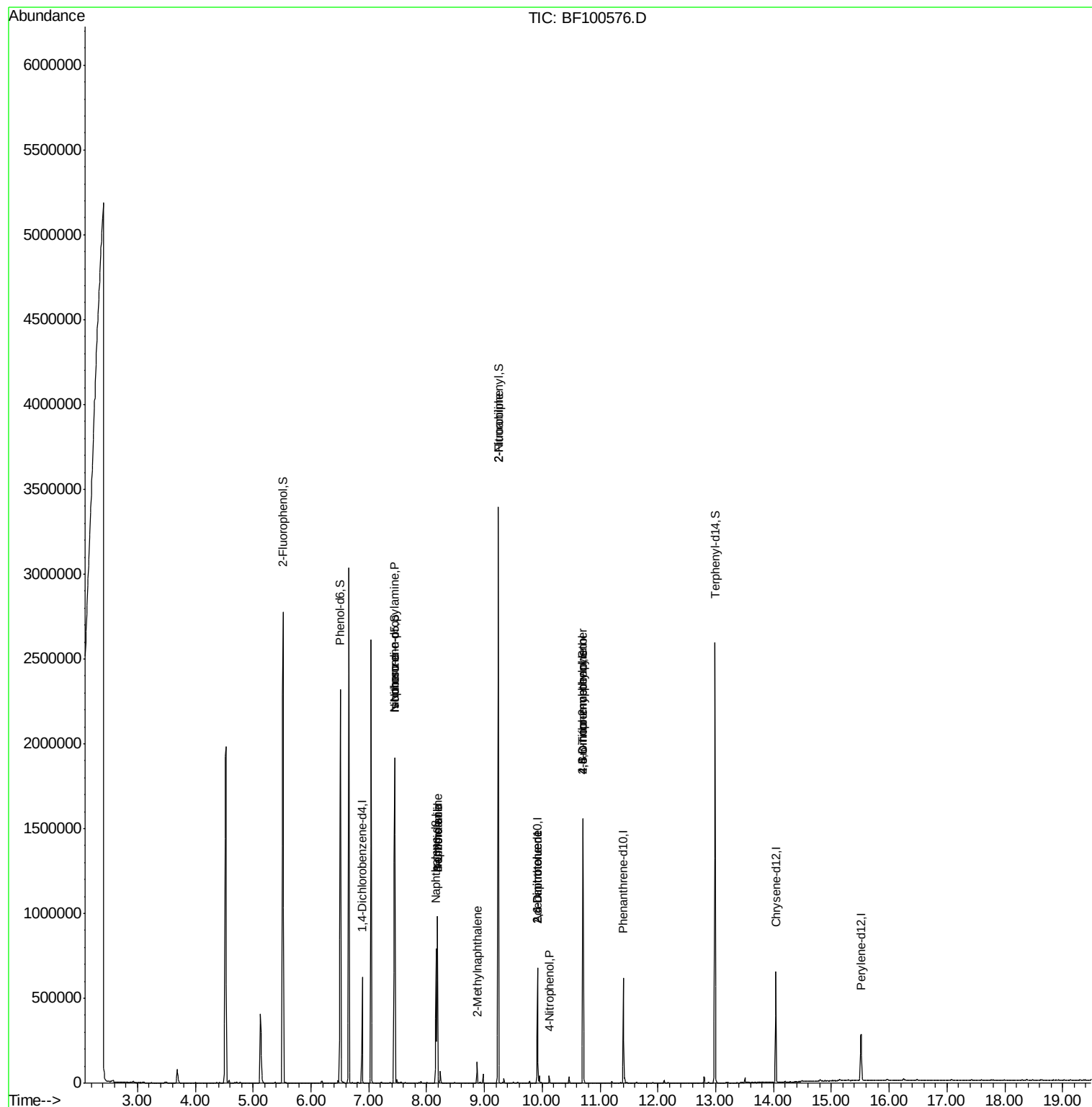
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	90707	17.503	ng	# 81
25) Isophorone	7.45	82	679362	62.644	ng	# 64
31) Naphthalene	8.19	128	389537	23.704	ng	100
32) Benzoic acid	8.19	122	923	9.570	ng	# 1
33) 4-Chloroaniline	8.19	127	51554	7.537	ng	# 34
37) 2-Methylnaphthalene	8.87	142	30551	2.800	ng	97
47) 2-Nitroaniline	9.24	65	1691	3.469	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	15742	8.307	ng	# 24
55) 4-Nitrophenol	10.12	139	5214	2.869	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	15742	6.585	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.70	198	333	8.831	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	13002	5.835	ng	# 1

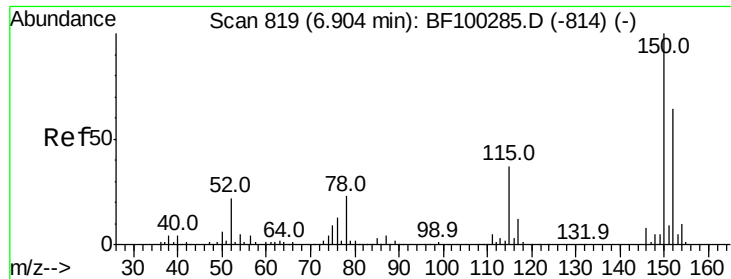
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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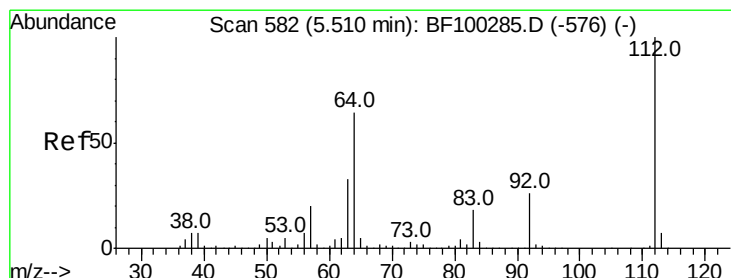
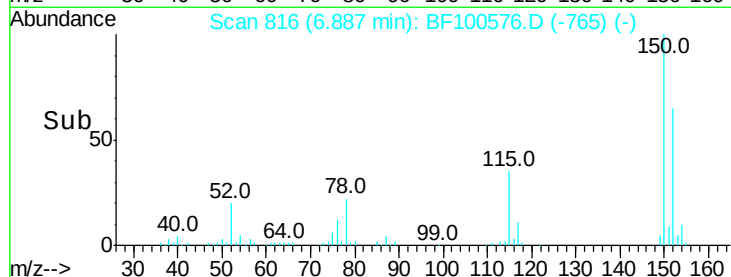
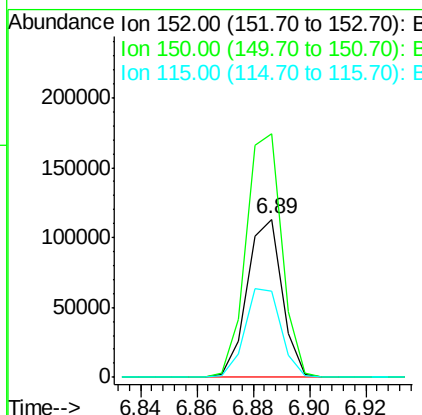
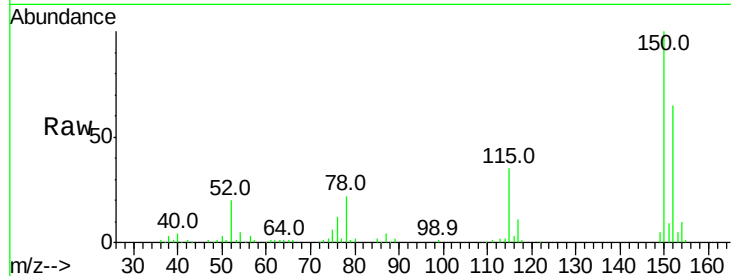


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF100576.D
Acq: 15 Nov 2017 8:20

Instrument :
BNA_F
ClientSampleId :

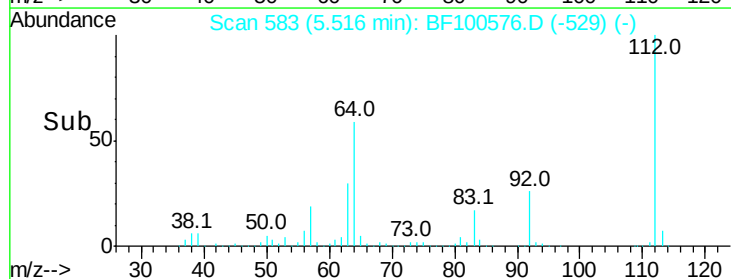
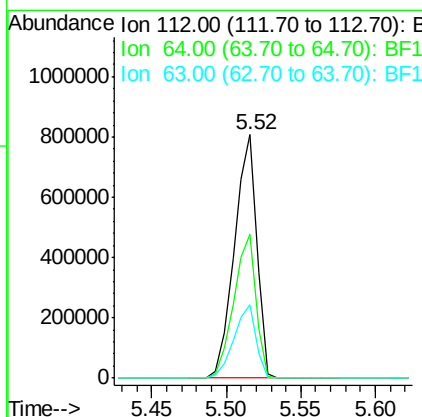
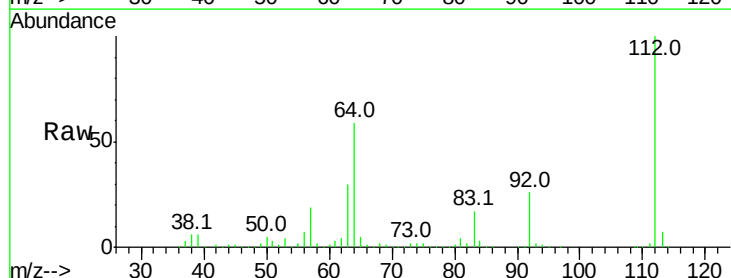
Tot Ion:152 Resp: 97142
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 54.5 50.1 75.1

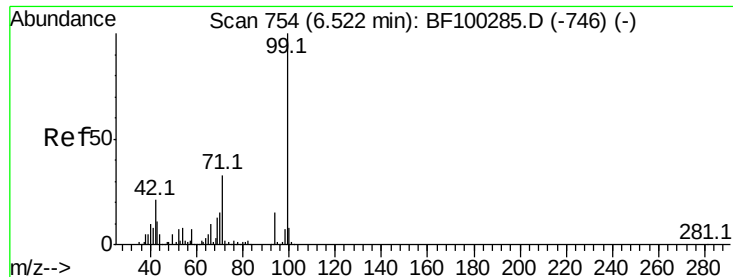


#5

2-Fluorophenol
Concen: 140.136 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF100576.D
Acq: 15 Nov 2017 8:20

Tgt Ion:112 Resp: 849232
Ion Ratio Lower Upper
112 100
64 59.1 47.9 71.9
63 30.3 23.7 35.5





#7

Phenol-d6

Concen: 122.711 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF100576.D

Acq: 15 Nov 2017 8:20

Instrument :

BNA_F

ClientSampleId :

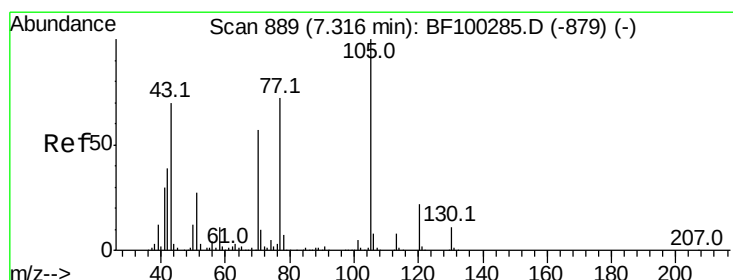
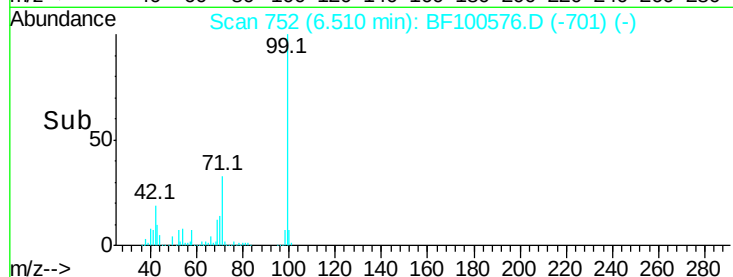
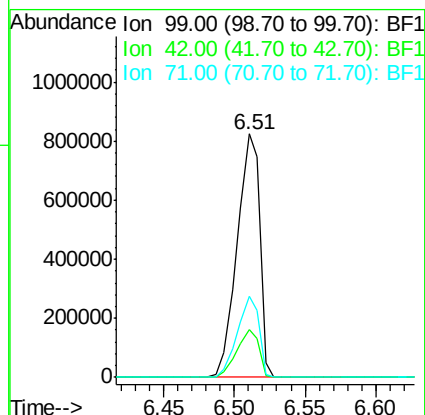
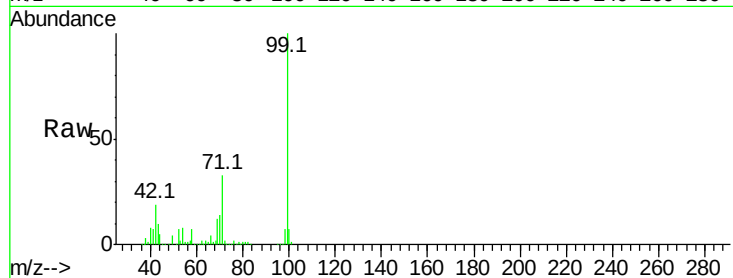
Tot Ion: 99 Resp: 916999

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 33.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.503 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF100576.D

Acq: 15 Nov 2017 8:20

Tgt Ion: 70 Resp: 90707

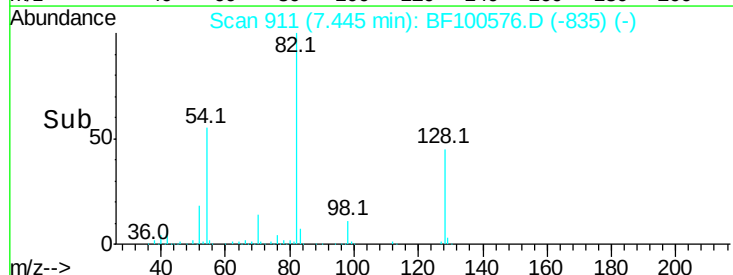
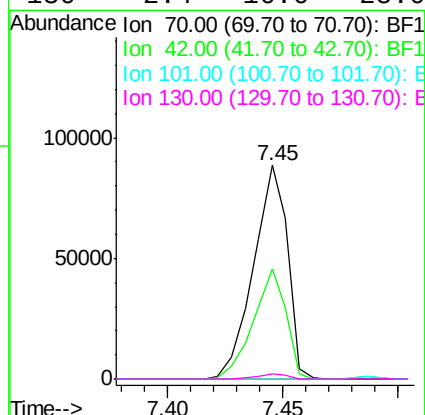
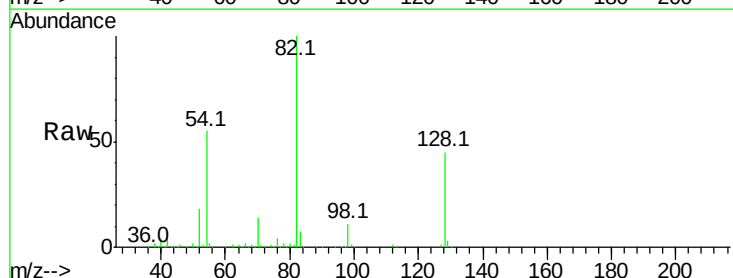
Ion Ratio Lower Upper

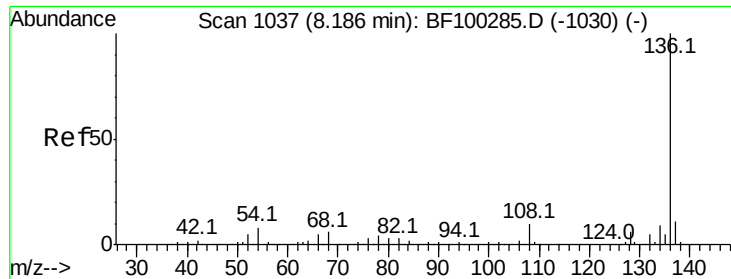
70 100

42 51.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

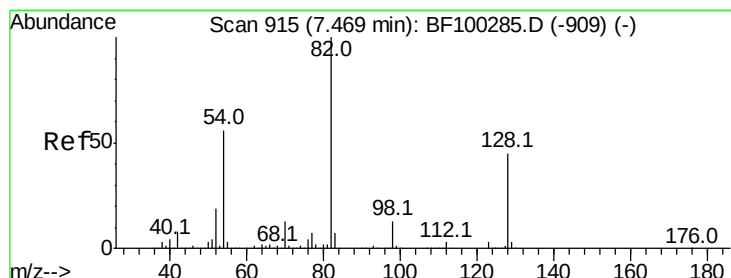
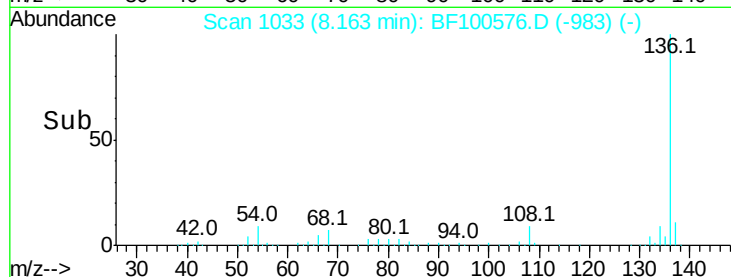
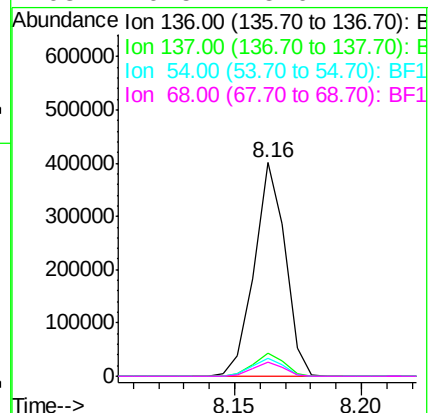
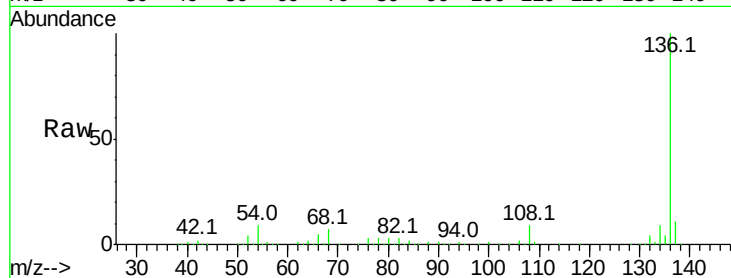




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100576.D
Acq: 15 Nov 2017 8:20

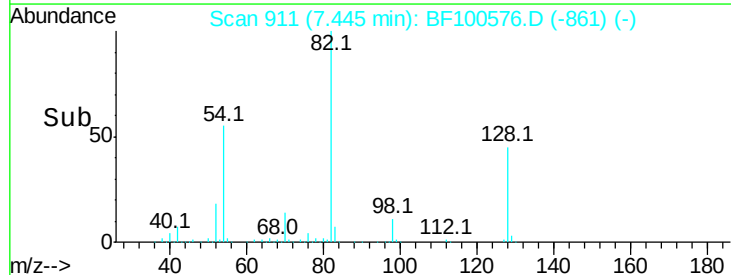
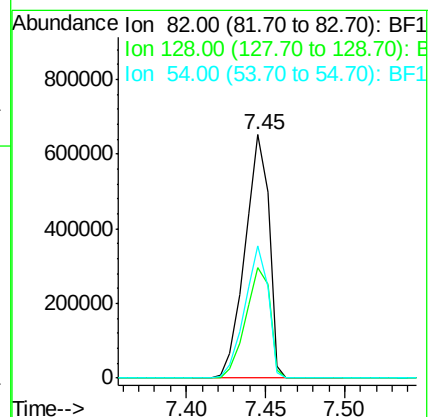
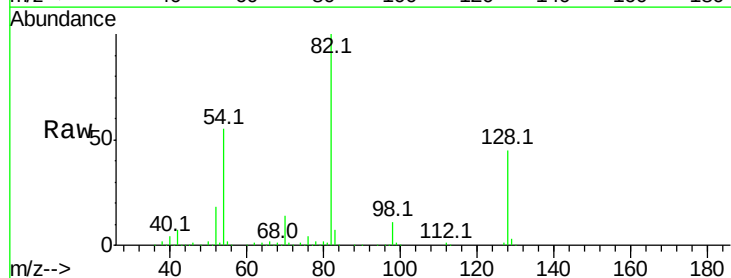
Instrument :
BNA_F
ClientSampleId :

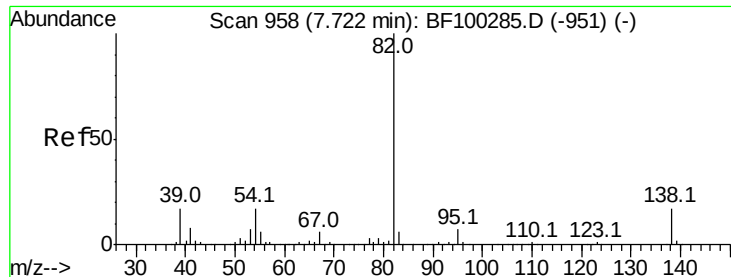
Tot Ion:	136	Resp:	341191
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.6	6.6	9.8
68	6.5	5.0	7.4



#23
Nitrobenzene-d5
Concen: 131.643 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100576.D
Acq: 15 Nov 2017 8:20

Tgt Ion:	82	Resp:	679370
Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.1	54.1
54	54.6	41.4	62.2





#25

Isophorone

Concen: 62.644 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF100576.D

Acq: 15 Nov 2017 8:20

Instrument :

BNA_F

ClientSampleId :

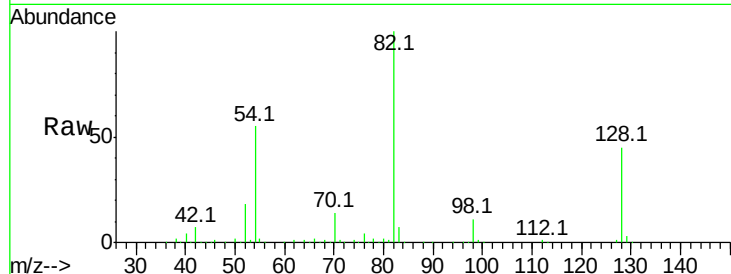
Tot Ion: 82 Resp: 679362

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

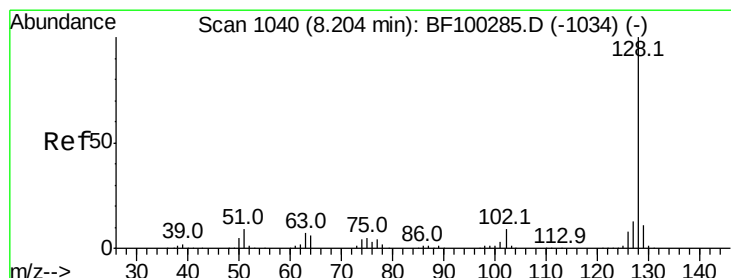
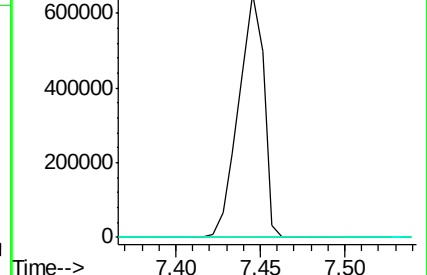
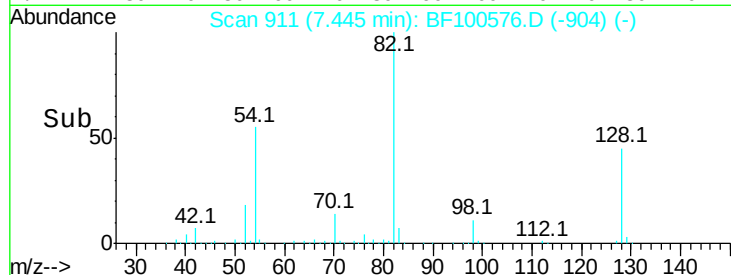
138 0.0 14.9 22.3#



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: 23.704 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF100576.D

Acq: 15 Nov 2017 8:20

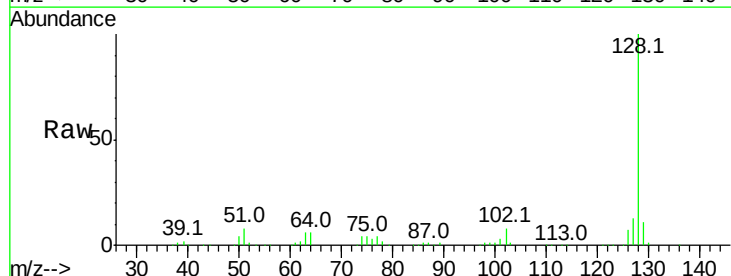
Tgt Ion: 128 Resp: 389537

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

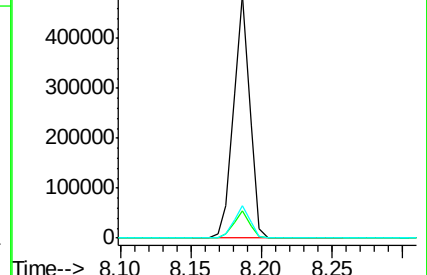
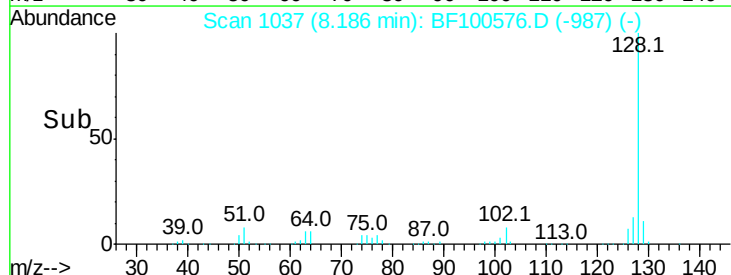
127 13.3 10.9 16.3

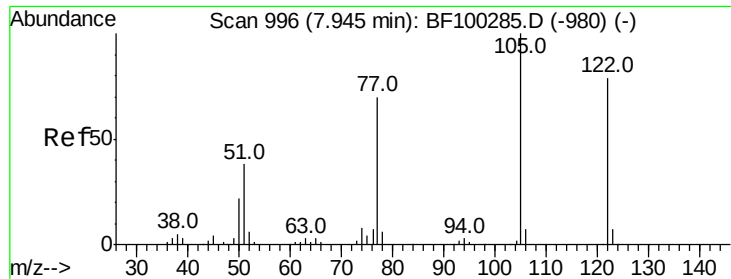


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

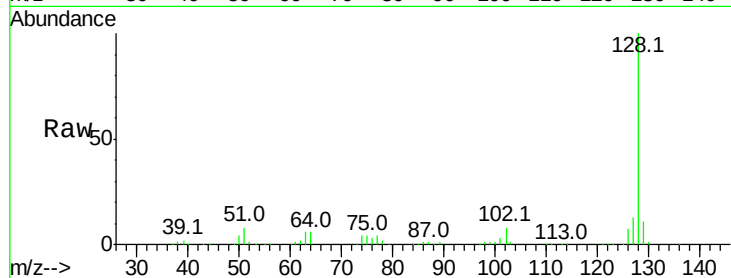




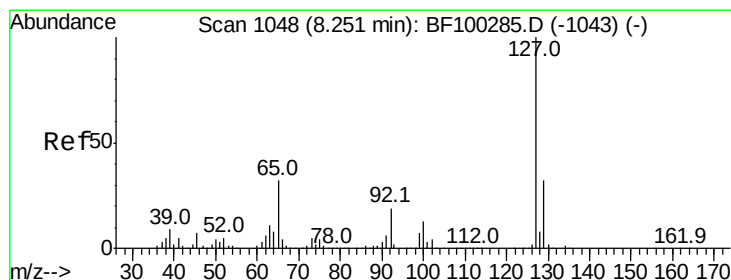
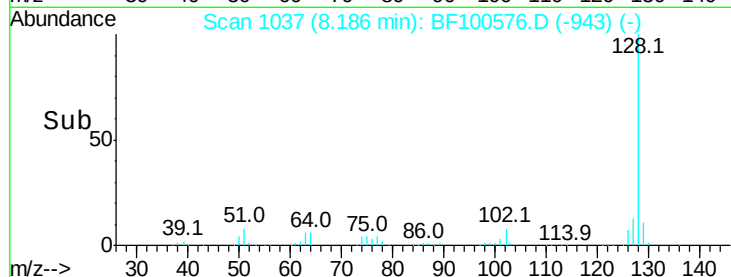
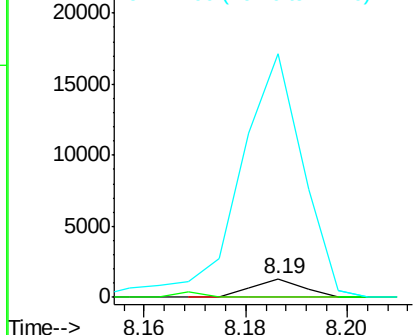
#32
Benzoic acid
Concen: 9.570 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.25 min
Lab File: BF100576.D
Acq: 15 Nov 2017 8:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 923
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 1307.1 70.7 110.7#

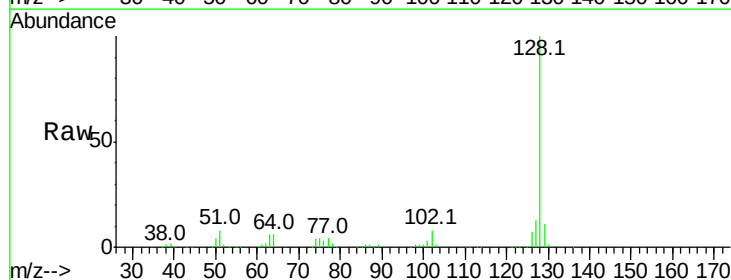


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

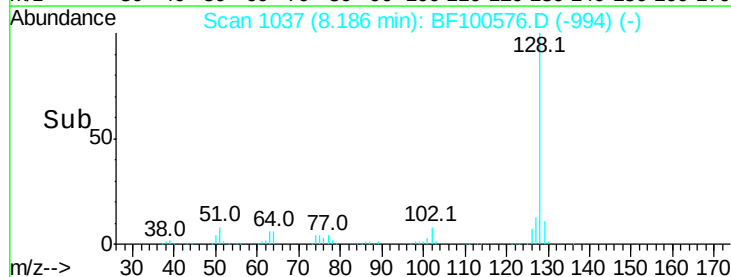
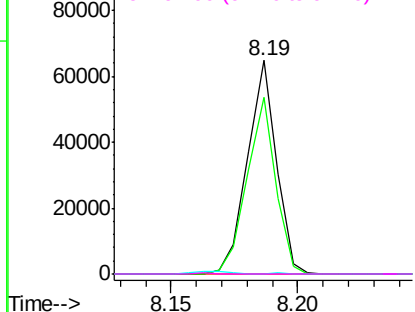


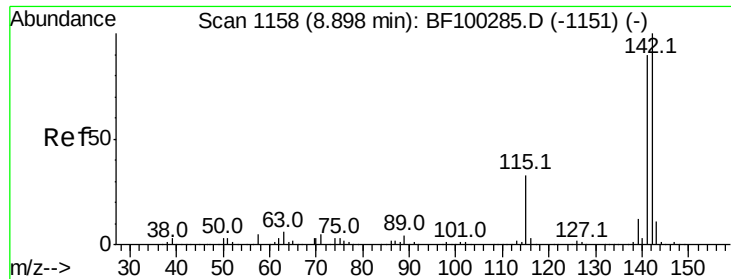
#33
4-Chloroaniline
Concen: 7.537 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.05 min
Lab File: BF100576.D
Acq: 15 Nov 2017 8:20

Tgt Ion:127 Resp: 51554
Ion Ratio Lower Upper
127 100
129 82.7 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

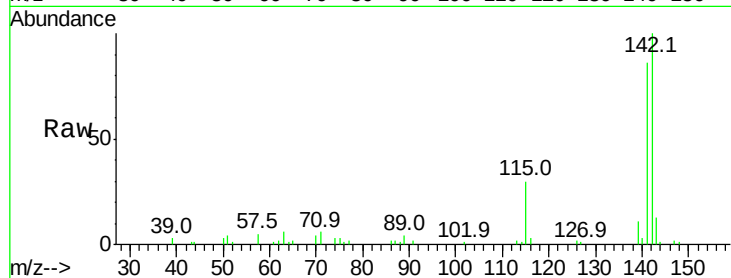




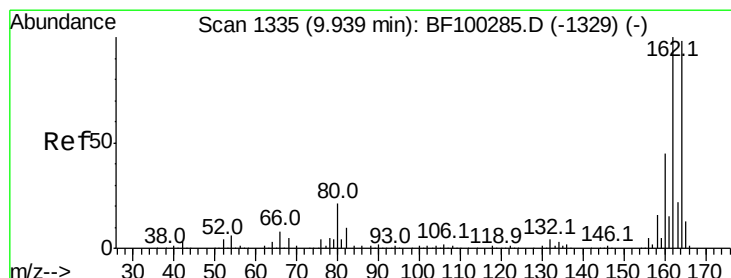
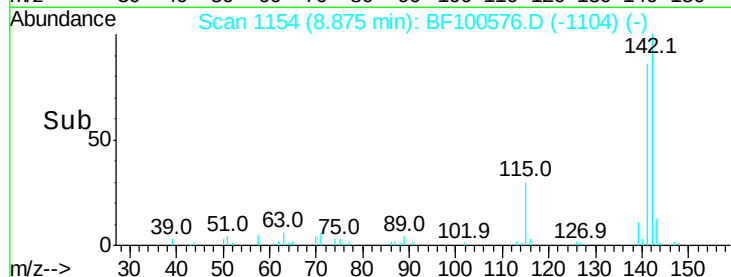
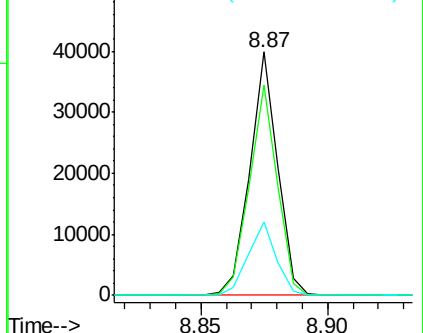
#37
 2-Methylnaphthalene
 Concen: 2.800 ng
 RT: 8.87 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BF100576.D
 Acq: 15 Nov 2017 8:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:142 Resp: 30551
 Ion Ratio Lower Upper
 142 100
 141 86.4 70.8 106.2
 115 29.9 26.1 39.1

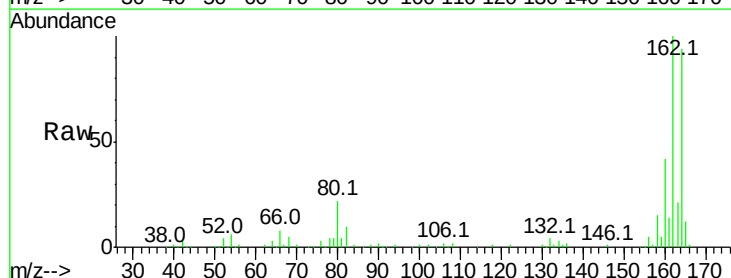


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

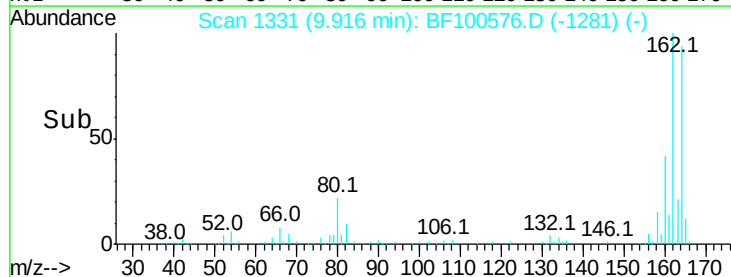
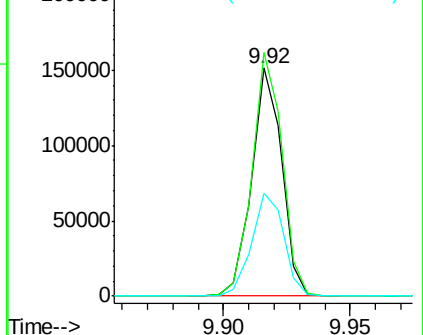


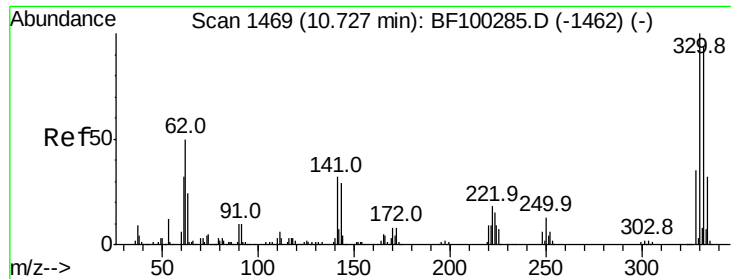
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF100576.D
 Acq: 15 Nov 2017 8:20

Tgt Ion:164 Resp: 125391
 Ion Ratio Lower Upper
 164 100
 162 106.9 86.1 129.1
 160 45.3 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

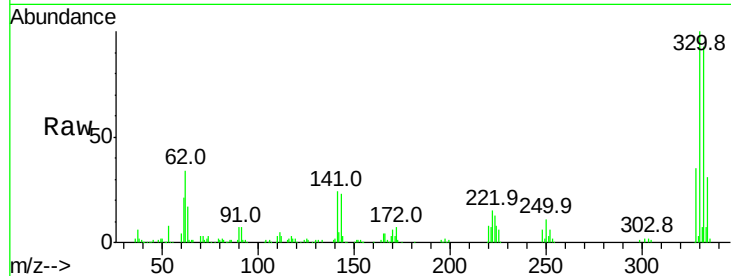




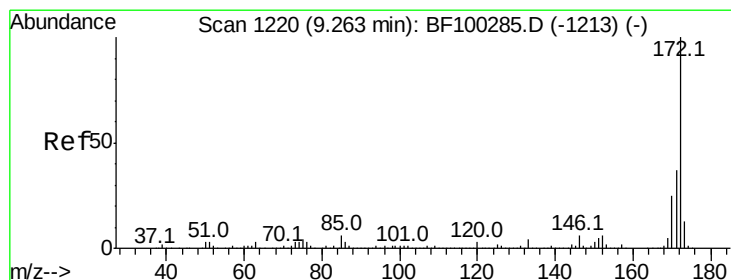
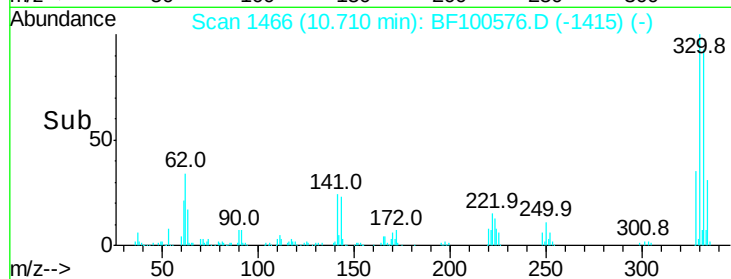
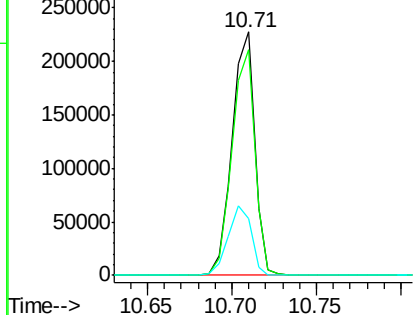
#41
 2,4,6-Tribromophenol
 Concen: 165.882 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF100576.D
 Acq: 15 Nov 2017 8:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.0	115.6
141	29.2	29.9	44.9#

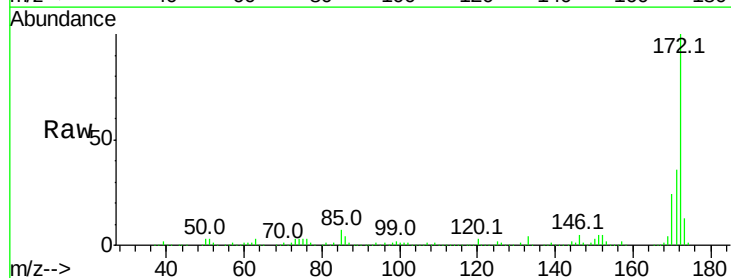


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

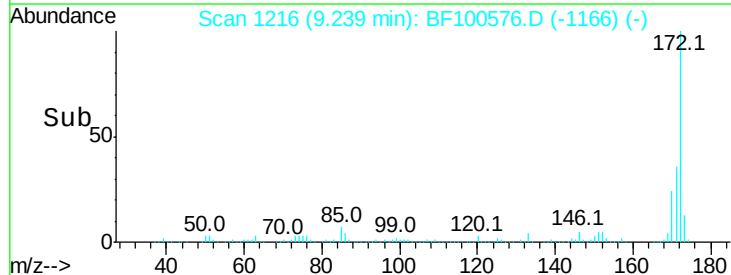
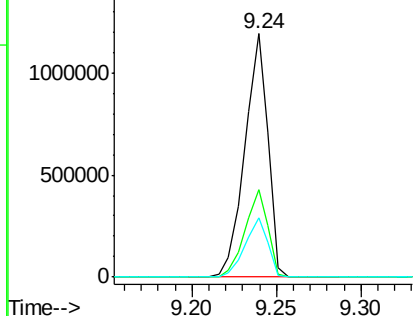


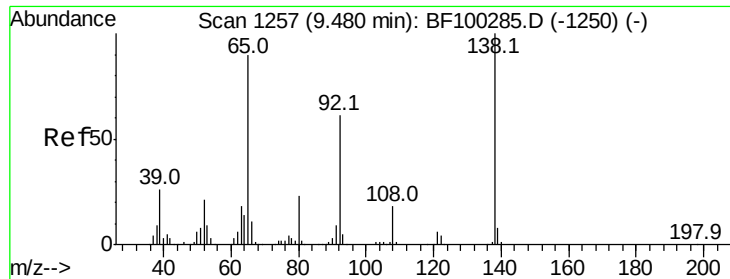
#44
 2-Fluorobiphenyl
 Concen: 138.208 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100576.D
 Acq: 15 Nov 2017 8:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.4	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

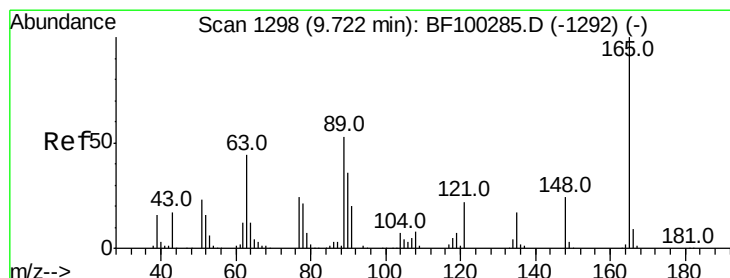
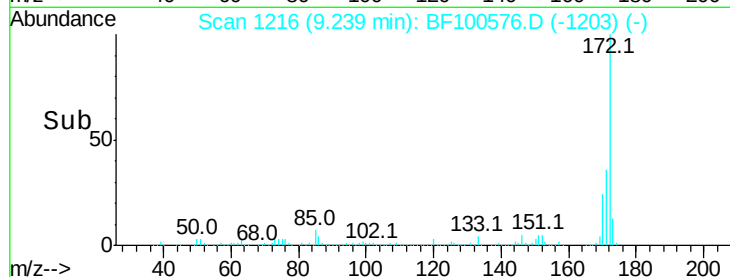
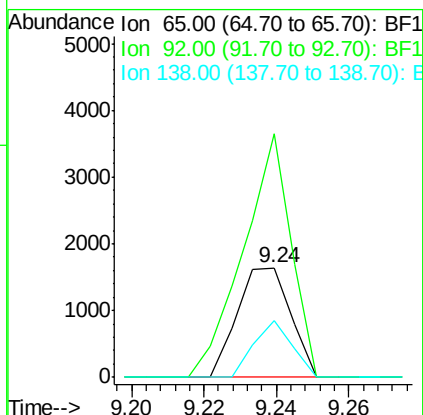
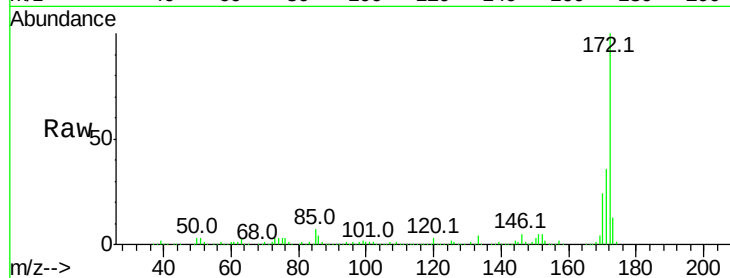




#47
2-Nitroaniline
Concen: 3.469 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.22 min
Lab File: BF100576.D
Acq: 15 Nov 2017 8:20

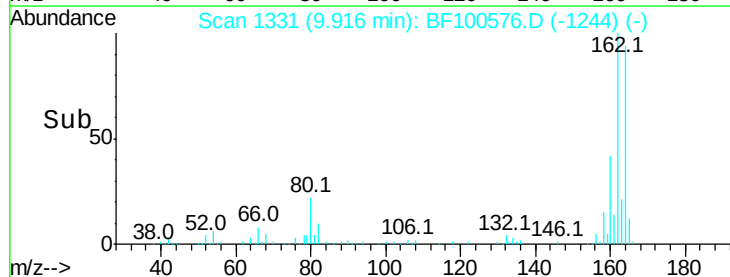
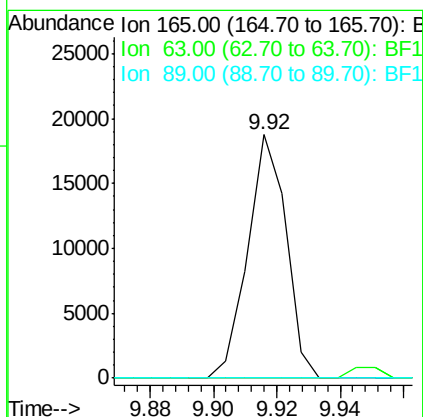
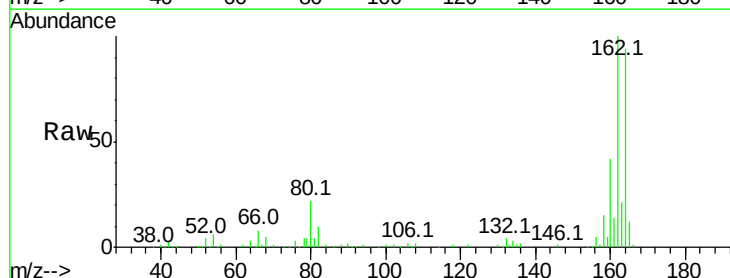
Instrument :
BNA_F
ClientSampled :

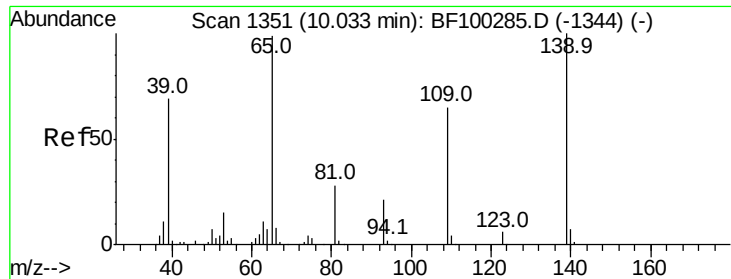
Tot Ion: 65 Resp: 1691
Ion Ratio Lower Upper
65 100
92 221.9 55.8 83.6#
138 52.2 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 8.307 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF100576.D
Acq: 15 Nov 2017 8:20

Tgt Ion:165 Resp: 15742
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#





#55

4-Nitrophenol

Concen: 2.869 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.10 min

Lab File: BF100576.D

Acq: 15 Nov 2017 8:20

Instrument :

BNA_F

ClientSampleId :

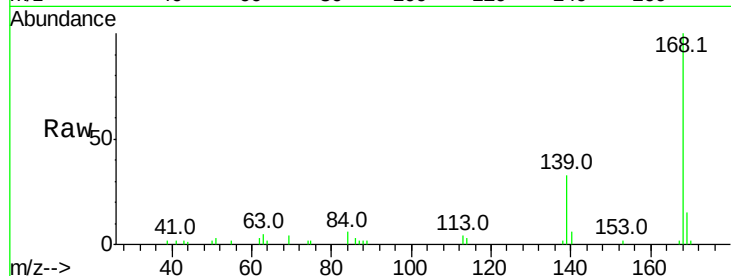
Tot Ion:139 Resp: 5214

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

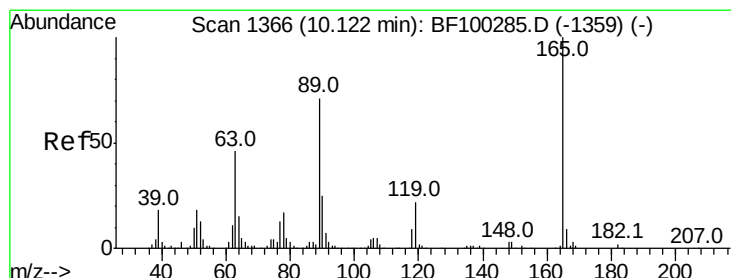
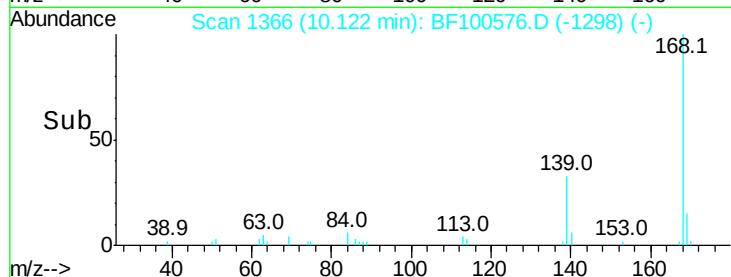
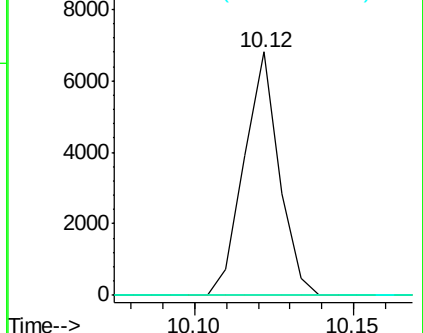
65 0.0 72.6 112.6#



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: 6.585 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF100576.D

Acq: 15 Nov 2017 8:20

Tgt Ion:165 Resp: 15742

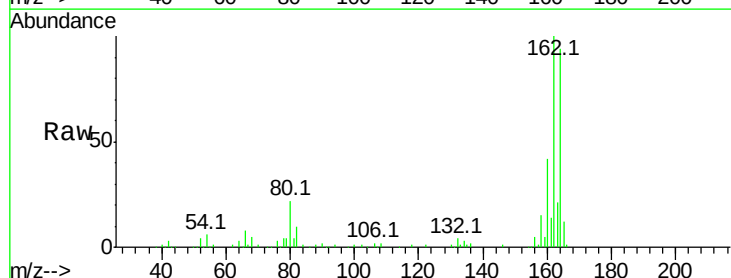
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

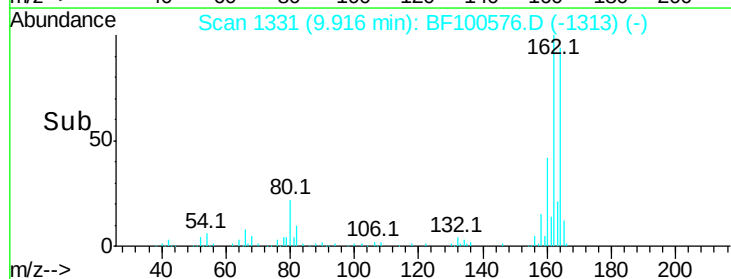
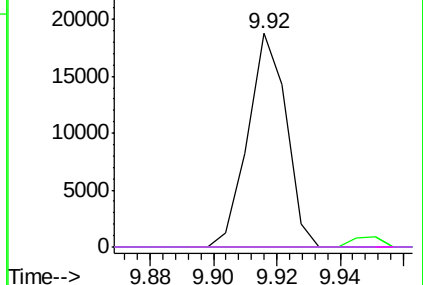


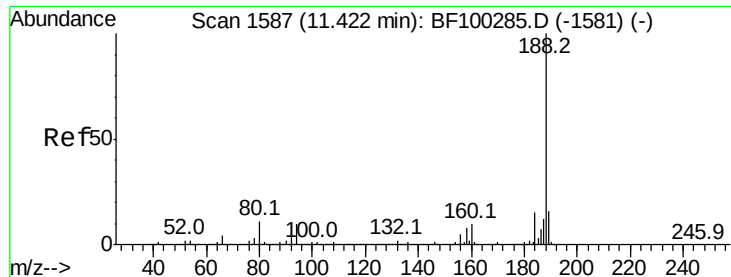
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF100576.D

Acq: 15 Nov 2017 8:20

Instrument :

BNA_F

ClientSampleId :

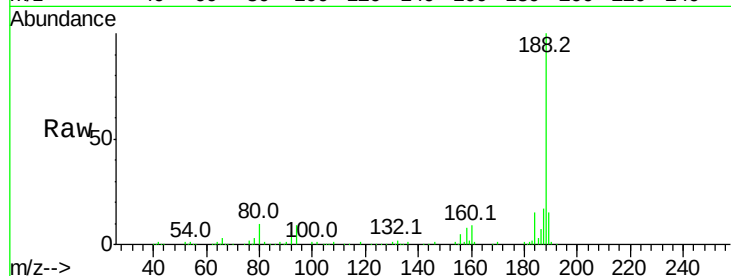
Tot Ion:188 Resp: 207860

Ion Ratio Lower Upper

188 100

94 9.0 8.5 12.7

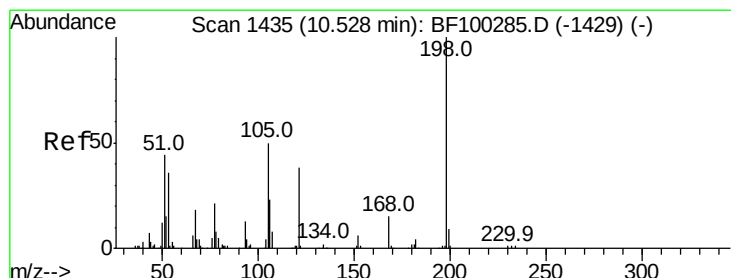
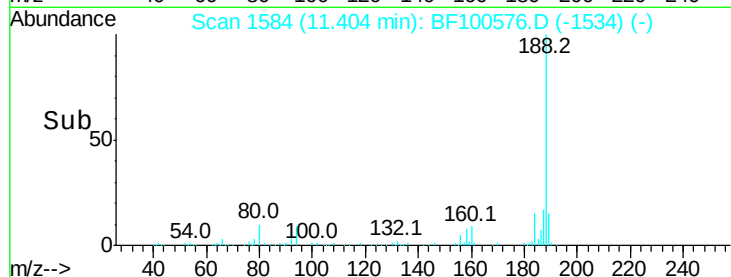
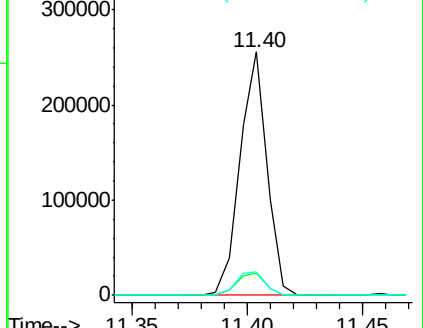
80 9.8 9.2 13.8



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: 8.831 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.19 min

Lab File: BF100576.D

Acq: 15 Nov 2017 8:20

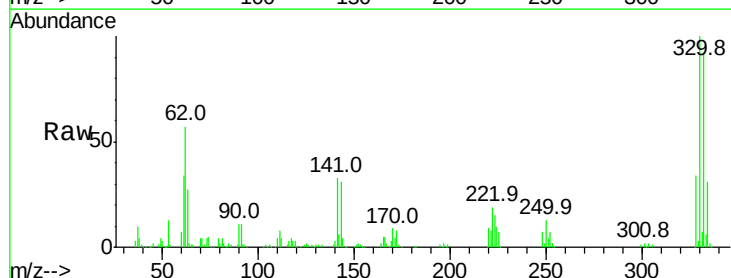
Tgt Ion:198 Resp: 333

Ion Ratio Lower Upper

198 100

51 182.4 37.7 77.7#

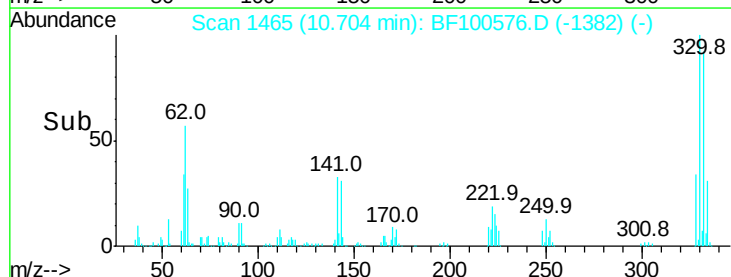
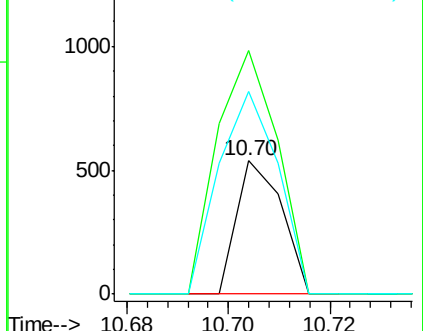
105 152.1 36.3 76.3#

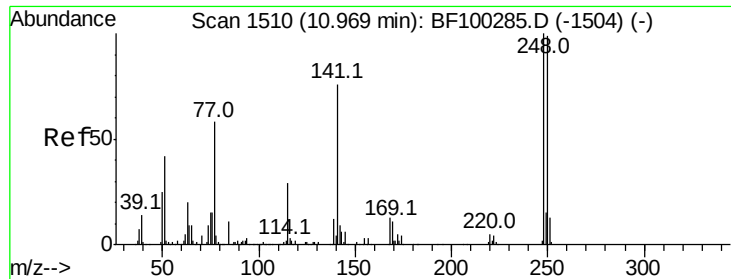


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

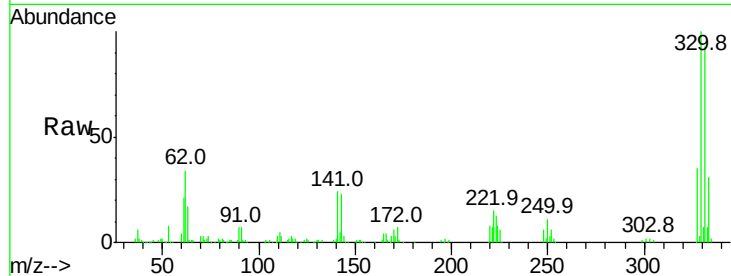




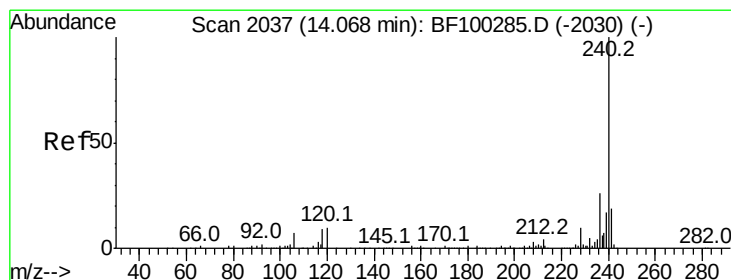
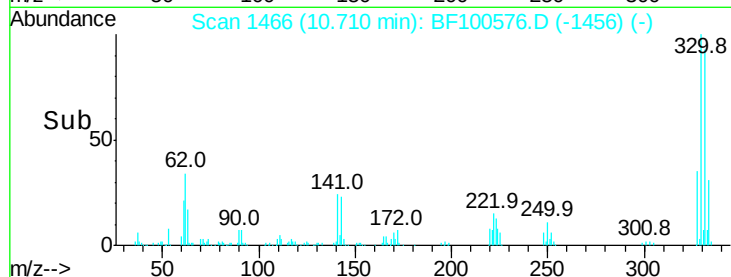
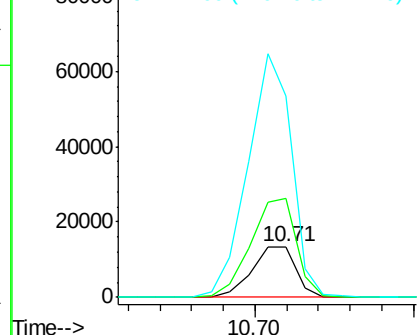
#66
 4-Bromophenyl-phenylether
 Concen: 5.835 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF100576.D
 Acq: 15 Nov 2017 8:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13002
 Ion Ratio Lower Upper
 248 100
 250 193.5 76.9 115.3#
 141 396.9 74.4 111.6#

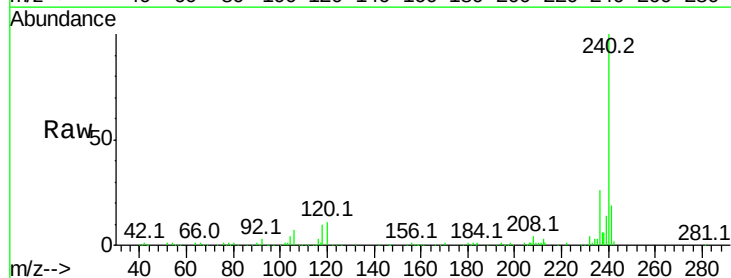


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

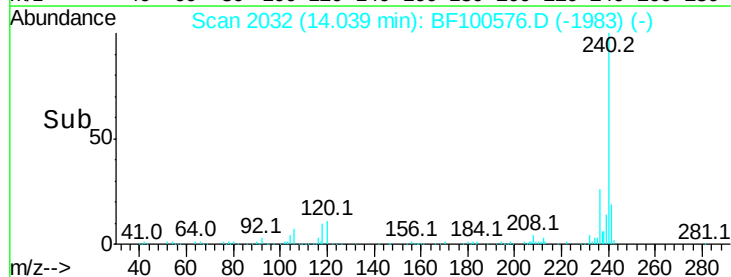
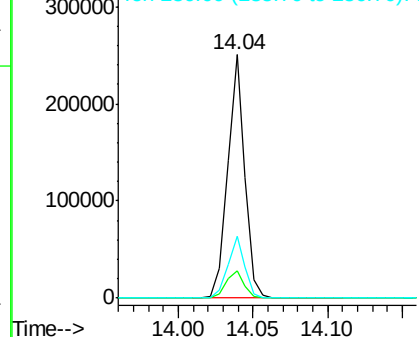


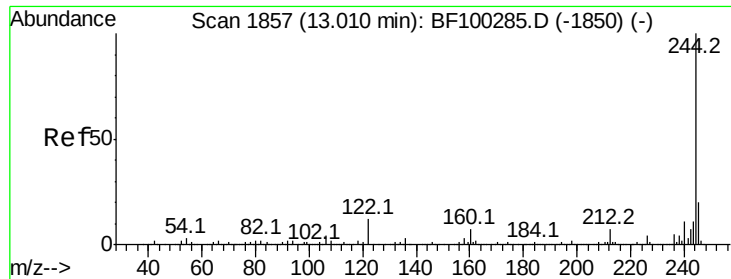
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF100576.D
 Acq: 15 Nov 2017 8:20

Tgt Ion:240 Resp: 202960
 Ion Ratio Lower Upper
 240 100
 120 11.0 9.5 14.3
 236 25.5 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





#78

Terphenyl-d14

Concen: 104.318 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF100576.D

Acq: 15 Nov 2017 8:20

Instrument :

BNA_F

ClientSampleId :

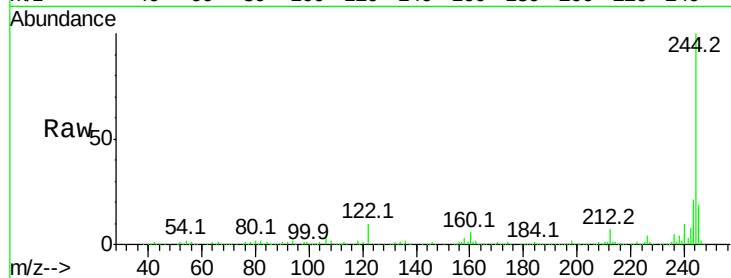
Tot Ion:244 Resp: 921454

Ion Ratio Lower Upper

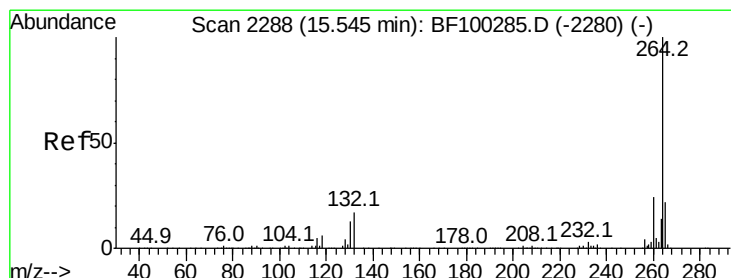
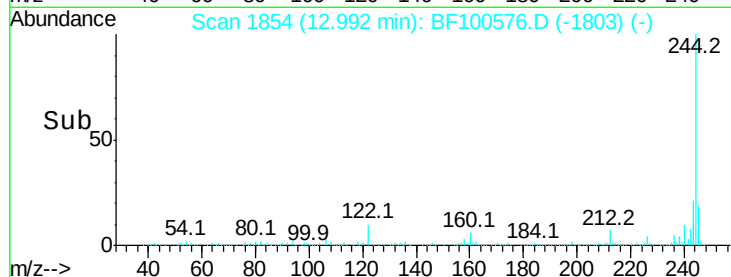
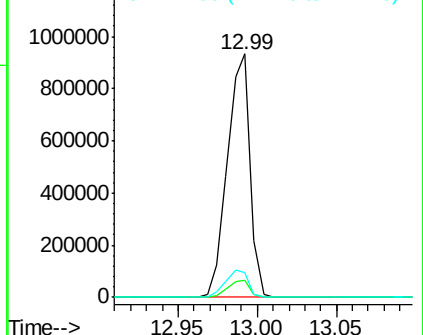
244 100

212 6.8 5.4 8.0

122 10.2 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: 15.52 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BF100576.D

Acq: 15 Nov 2017 8:20

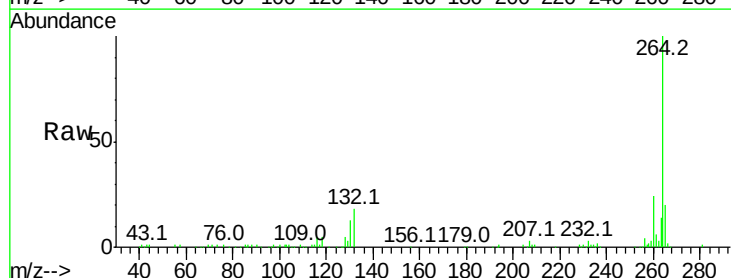
Tgt Ion:264 Resp: 131902

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 20.4 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

