

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\
 Data File : BF100501.D
 Acq On : 13 Nov 2017 14:35
 Operator : SJ/JU
 Sample : I6399-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 13 15:37:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 13 14:08:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	91914	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	346942	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	150112	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	248895	20.00	ng	0.00
75) Chrysene-d12	14.05	240	205224	20.00	ng	0.00
86) Perylene-d12	15.53	264	171776	20.00	ng	0.00

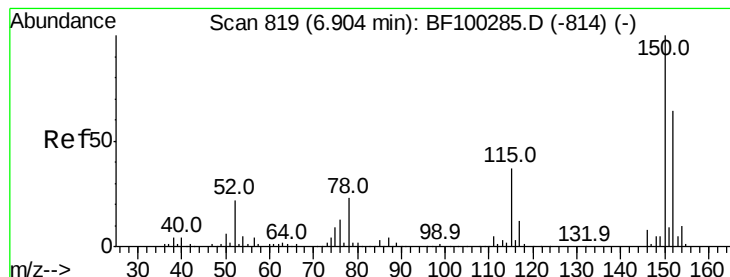
System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	499293	87.08	ng	0.00
7) Phenol-d6	6.52	99	609219	86.16	ng	0.00
23) Nitrobenzene-d5	7.45	82	374328	71.33	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	143098	93.55	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	679004	68.88	ng	0.00
78) Terphenyl-d14	12.99	244	456857	51.15	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.53	94	26614	3.585	ng	99
19) n-Nitroso-di-n-propylamine	7.45	70	49887	10.174	ng	# 81
25) Isophorone	7.45	82	374321	33.944	ng	# 64
32) Benzoic acid	7.95	122	120	9.396	ng	# 1
47) 2-Nitroaniline	9.59	65	107	2.820	ng	# 2
49) Dimethylphthalate	9.63	163	68343	5.963	ng	# 99
56) 2,4-Dinitrotoluene	9.93	165	19915	6.958	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.72	198	269	8.746	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	9211	3.452	ng	# 1
70) Phenanthrene	11.43	178	42683	3.257	ng	99
74) Fluoranthene	12.63	202	66905	4.817	ng	92
77) Pvrene	12.85	202	58539	4.002	ng	97
80) Benzo(a)anthracene	14.04	228	28797	2.330	ng	# 84
82) Chrysene	14.07	228	38062	3.180	ng	# 92
87) Benzo(b)fluoranthene	15.09	252	43112	4.236	ng	# 91
88) Benzo(k)fluoranthene	15.09	252	43112	4.484	ng	94
89) Benzo(a)pvrene	15.46	252	20514	2.274	ng	# 85

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

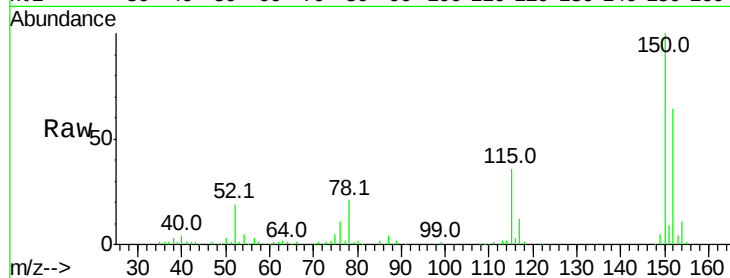


#1

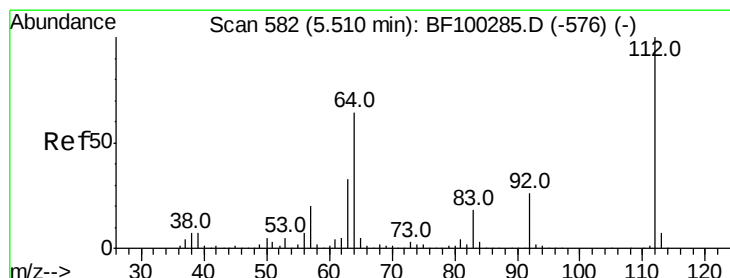
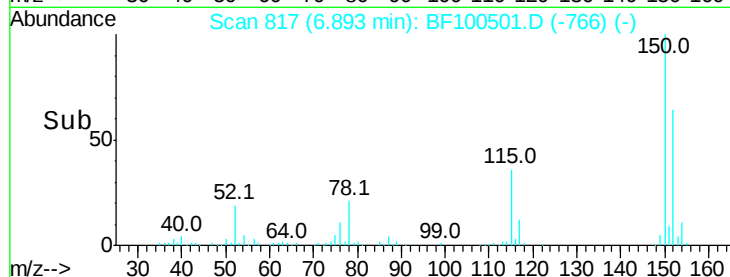
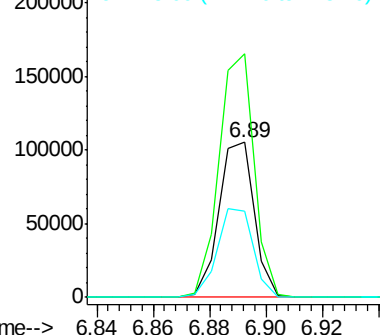
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF100501.D
Acq: 13 Nov 2017 14:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 91914
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 55.9 50.1 75.1



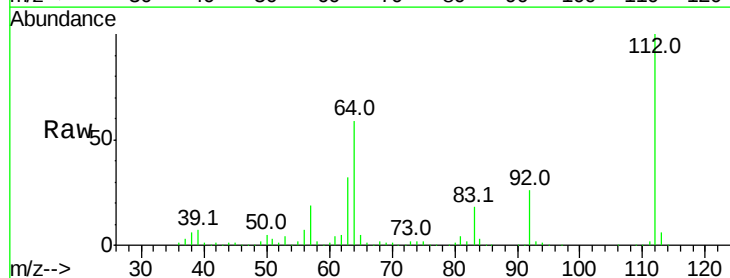
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



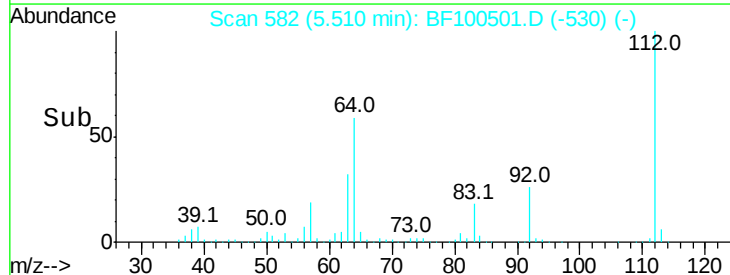
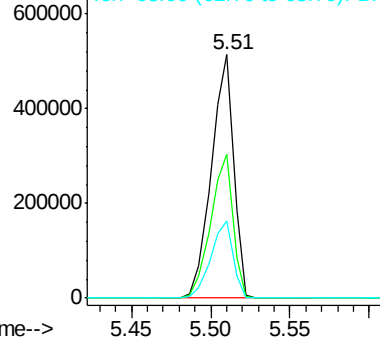
#5

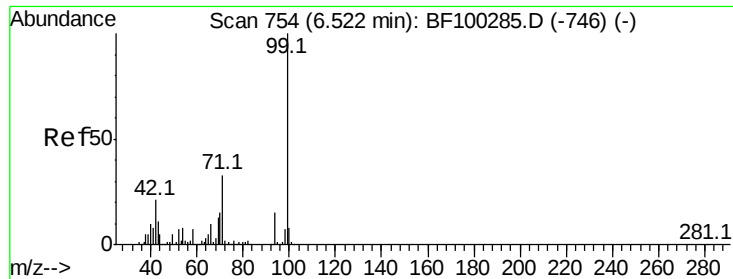
2-Fluorophenol
Concen: 87.077 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF100501.D
Acq: 13 Nov 2017 14:35

Tgt Ion:112 Resp: 499293
Ion Ratio Lower Upper
112 100
64 59.3 47.9 71.9
63 31.7 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: 86.161 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF100501.D

Acq: 13 Nov 2017 14:35

Instrument :

BNA_F

ClientSampleId :

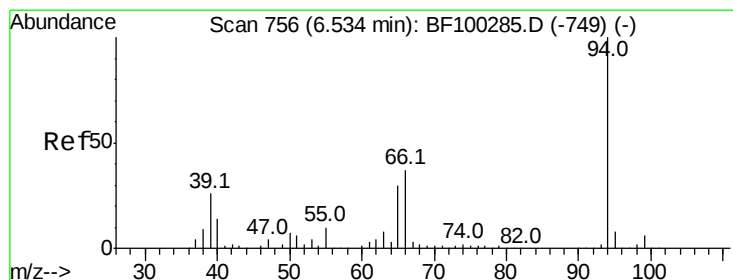
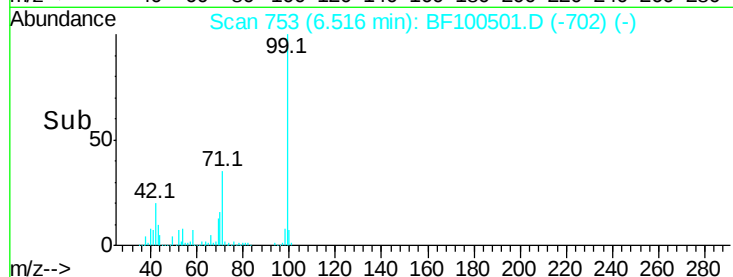
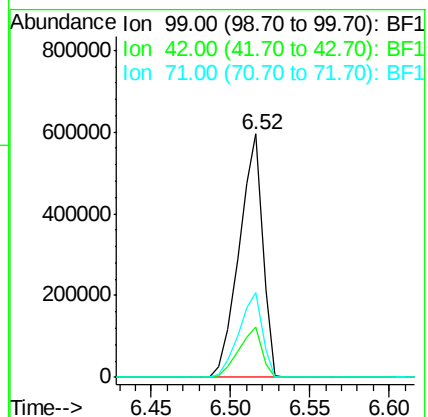
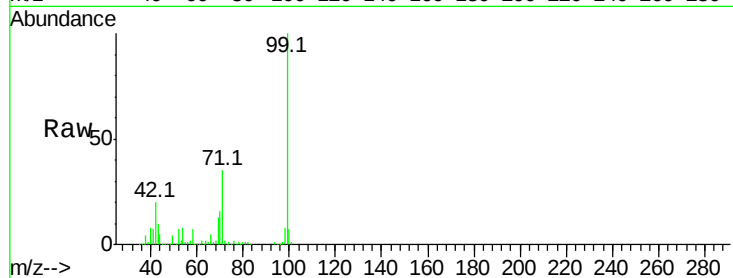
Tot Ion: 99 Resp: 609219

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

71 35.1 25.4 38.0



#10

Phenol

Concen: 3.585 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.00 min

Lab File: BF100501.D

Acq: 13 Nov 2017 14:35

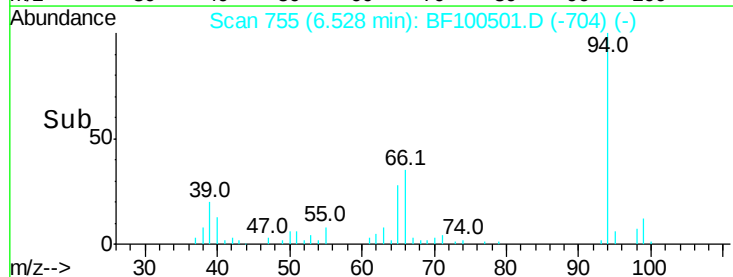
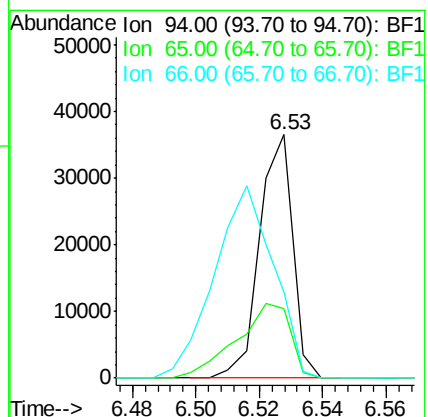
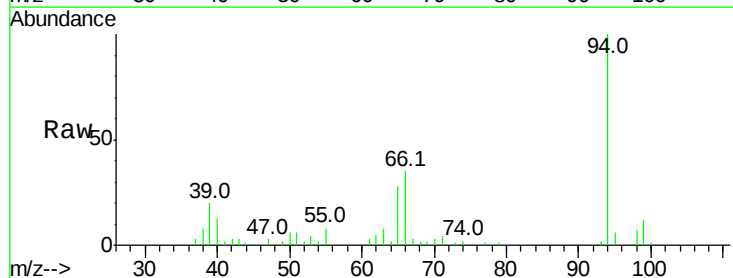
Tgt Ion: 94 Resp: 26614

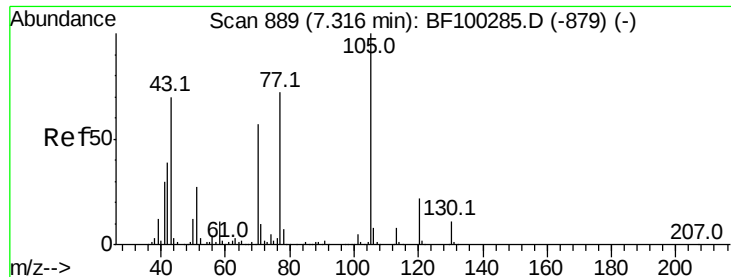
Ion Ratio Lower Upper

94 100

65 28.3 7.9 47.9

66 35.5 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 10.174 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.15 min

Lab File: BF100501.D

Acq: 13 Nov 2017 14:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 49887

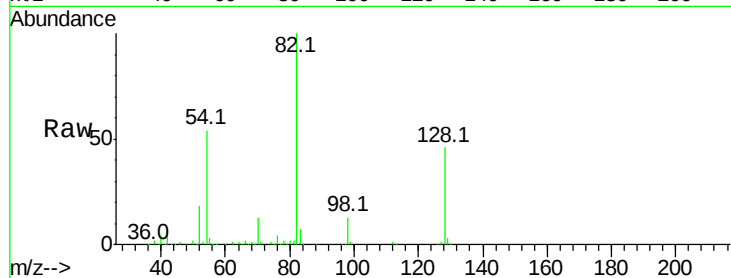
Ion Ratio Lower Upper

70 100

42 51.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

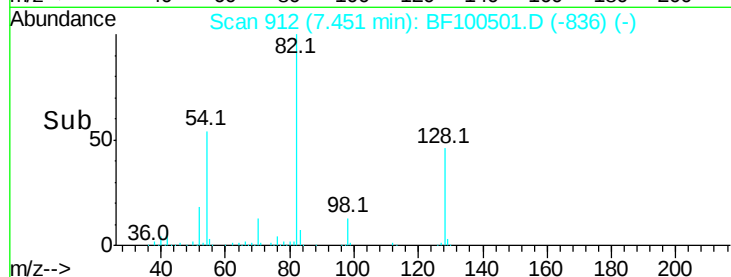


Abundance Ion 70.00 (69.70 to 70.70): BF1

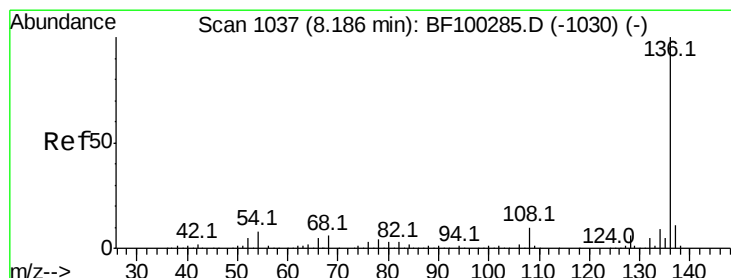
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF100501.D

Acq: 13 Nov 2017 14:35

Tgt Ion: 136 Resp: 346942

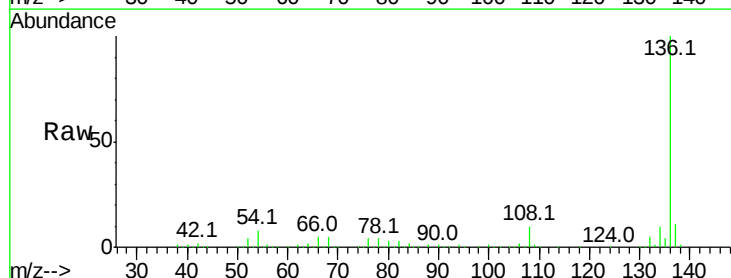
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.4 6.6 9.8

68 4.9 5.0 7.4#

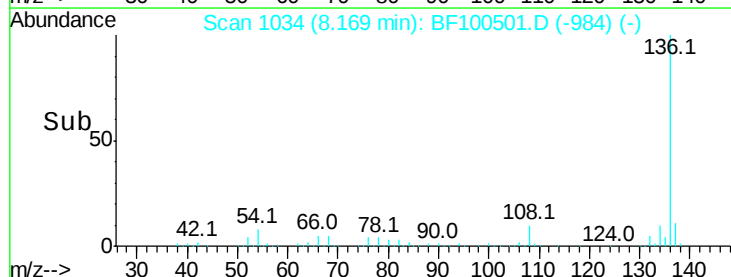


Abundance Ion 136.00 (135.70 to 136.70): BF1

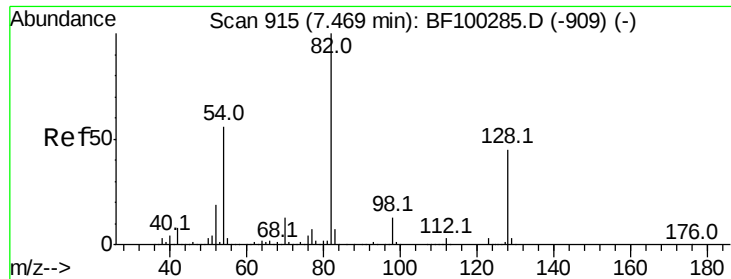
Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



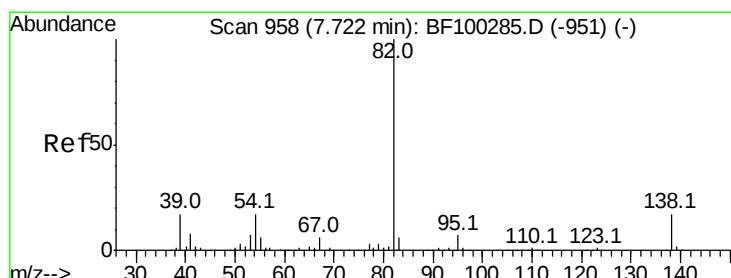
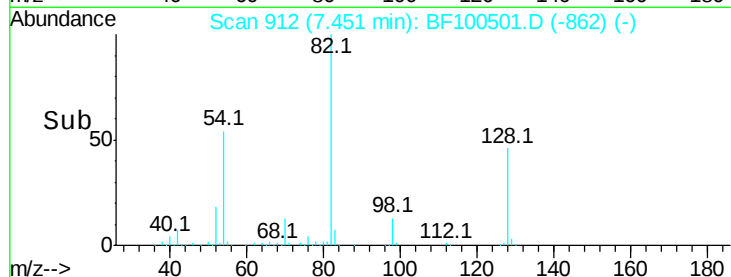
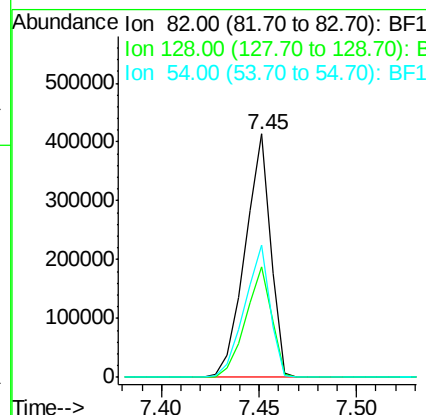
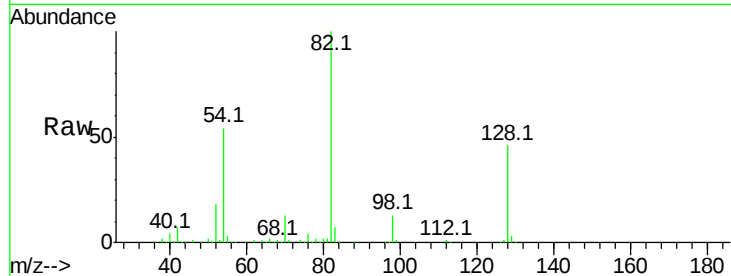
Time-->



#23
 Nitrobenzene-d5
 Concen: 71.332 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF100501.D
 Acq: 13 Nov 2017 14:35

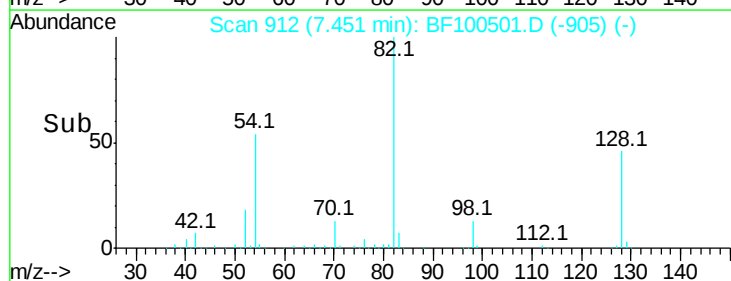
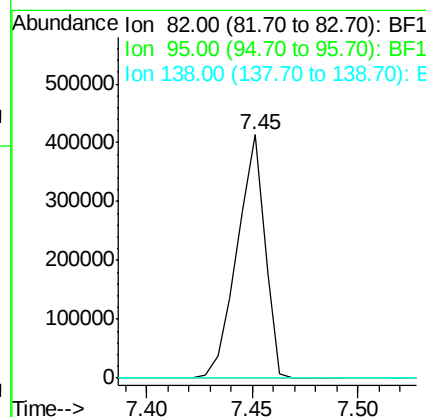
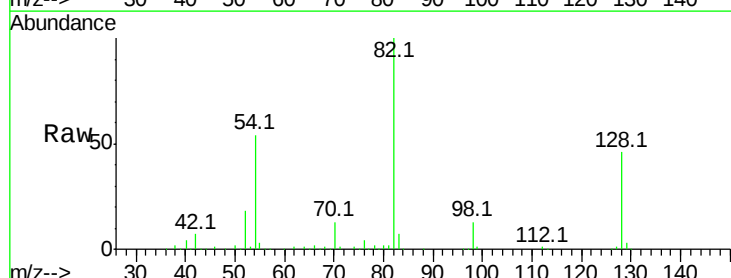
Instrument :
 BNA_F
 ClientSampleId :

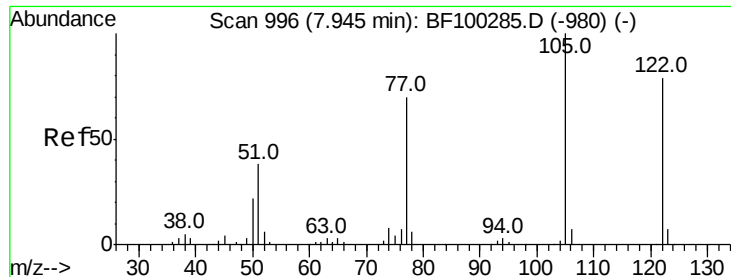
Tot Ion: 82 Resp: 374328
 Ion Ratio Lower Upper
 82 100
 128 45.6 36.1 54.1
 54 54.2 41.4 62.2



#25
 Isophorone
 Concen: 33.944 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.26 min
 Lab File: BF100501.D
 Acq: 13 Nov 2017 14:35

Tgt Ion: 82 Resp: 374321
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

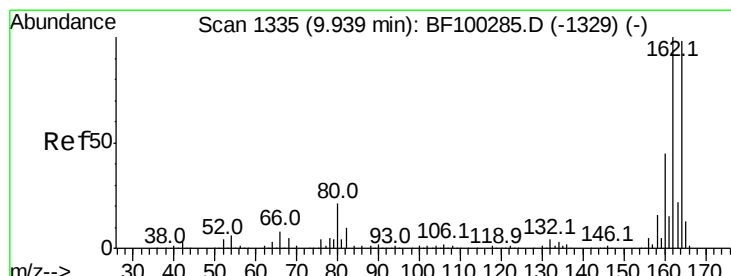
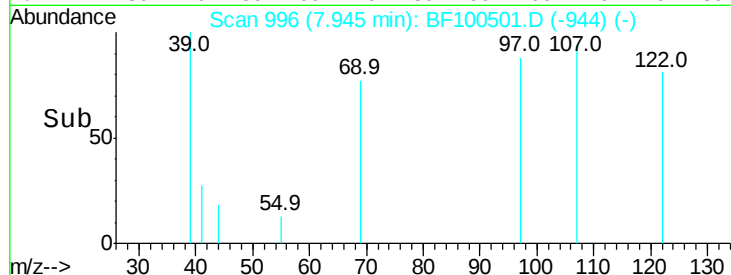
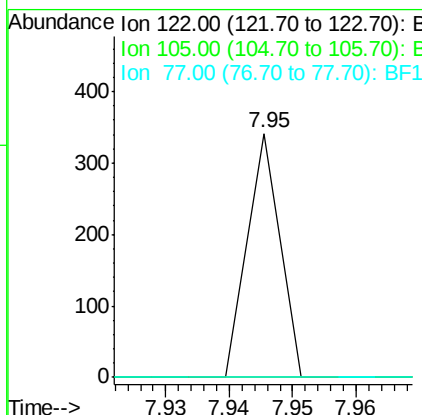
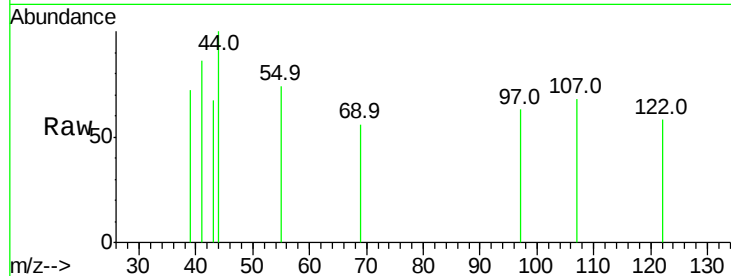




#32
Benzoic acid
Concen: 9.396 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.01 min
Lab File: BF100501.D
Acq: 13 Nov 2017 14:35

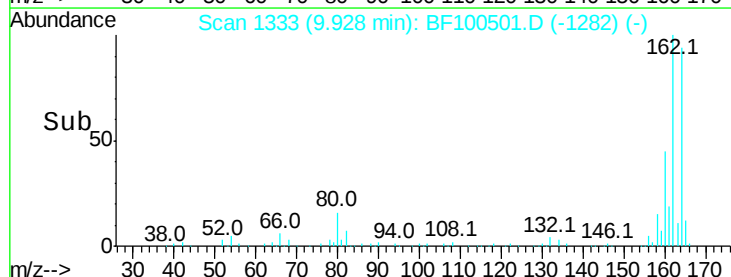
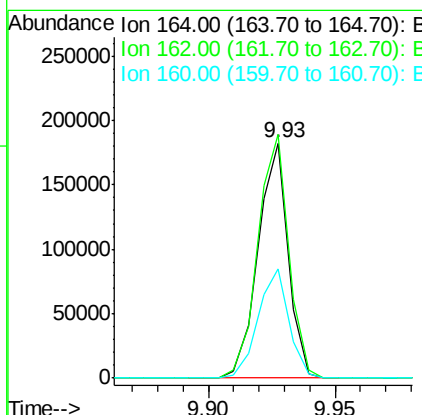
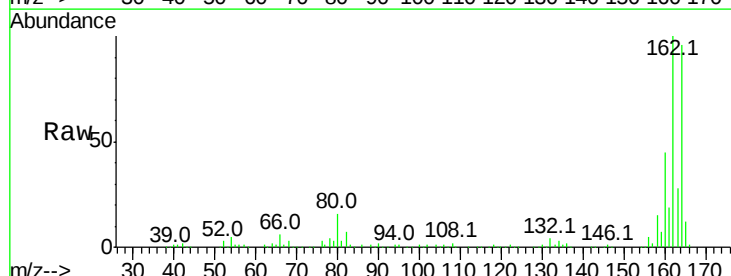
Instrument :
BNA_F
ClientSampleId :

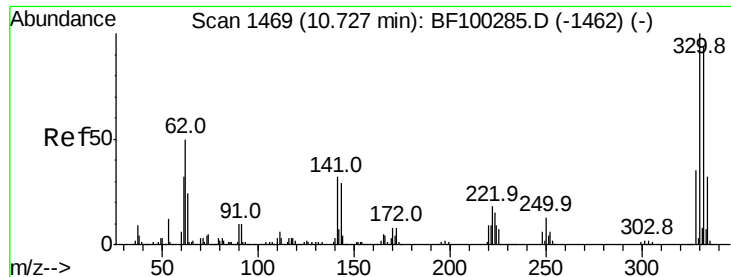
Tot Ion:122 Resp: 120
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 0.0 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF100501.D
Acq: 13 Nov 2017 14:35

Tgt Ion:164 Resp: 150112
Ion Ratio Lower Upper
164 100
162 103.8 86.1 129.1
160 46.7 38.3 57.5

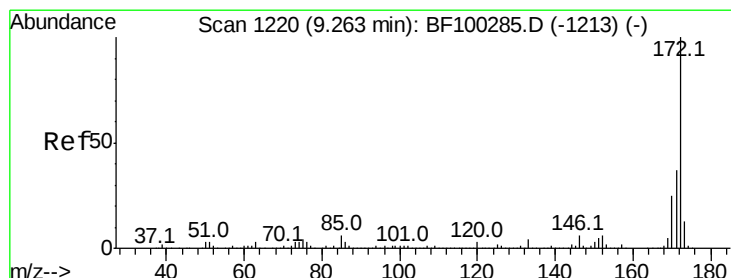
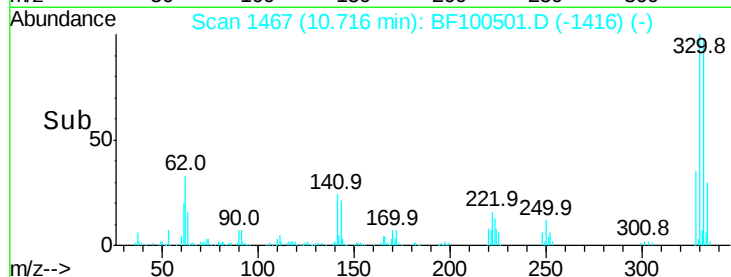
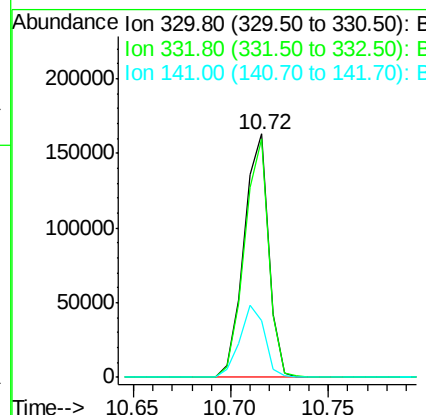
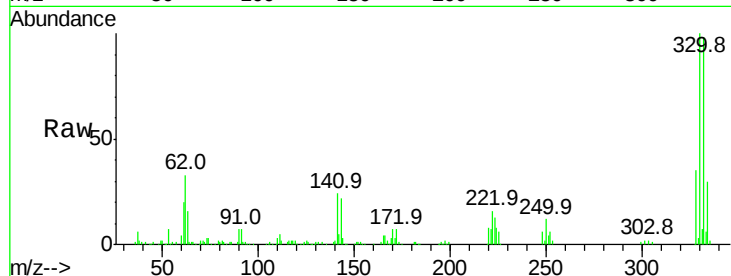




#41
 2,4,6-Tribromophenol
 Concen: 93.550 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF100501.D
 Acq: 13 Nov 2017 14:35

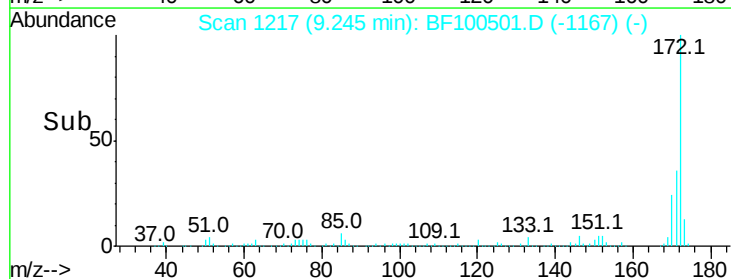
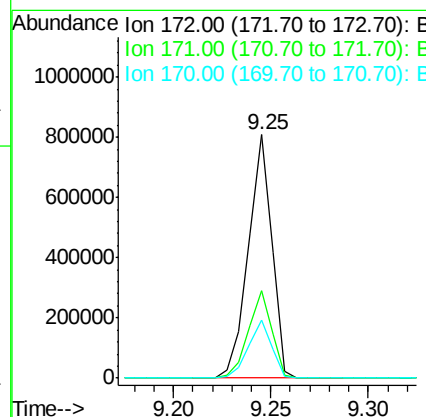
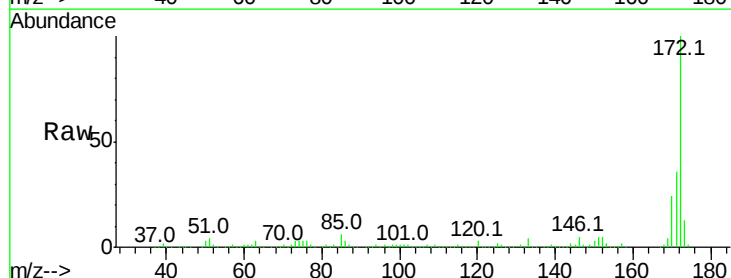
Instrument :
 BNA_F
 ClientSampleId :

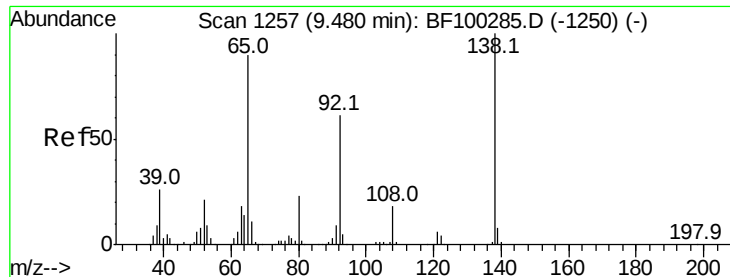
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	30.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 68.877 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF100501.D
 Acq: 13 Nov 2017 14:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.7	19.6	29.4





#47

2-Nitroaniline

Concen: 2.820 ng

RT: 9.59 min Scan# 1276

Delta R.T. 0.12 min

Lab File: BF100501.D

Acq: 13 Nov 2017 14:35

Instrument :

BNA_F

ClientSampled :

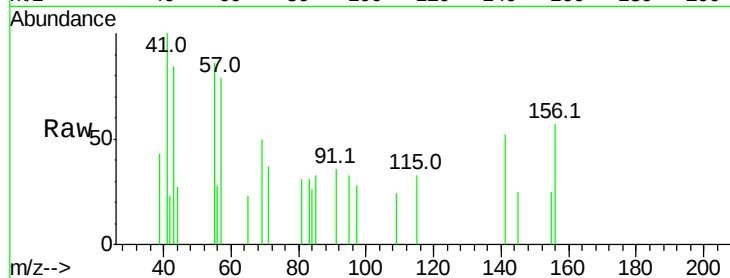
Tot Ion: 65 Resp: 107

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

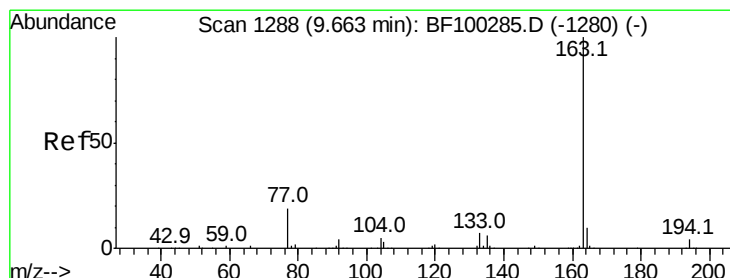
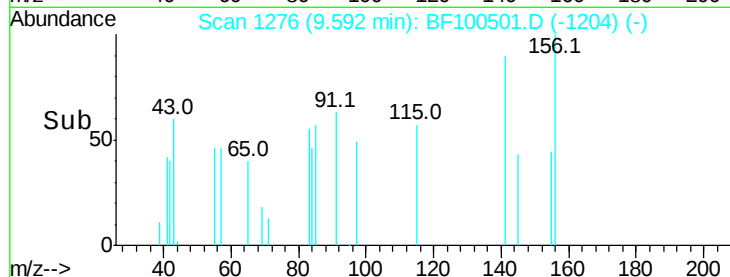
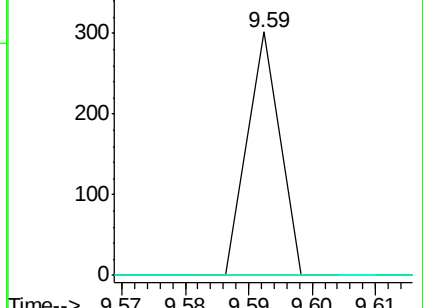
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 5.963 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF100501.D

Acq: 13 Nov 2017 14:35

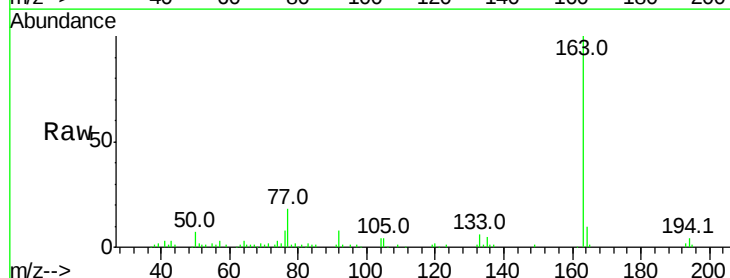
Tgt Ion:163 Resp: 68343

Ion Ratio Lower Upper

163 100

194 4.4 2.7 4.1#

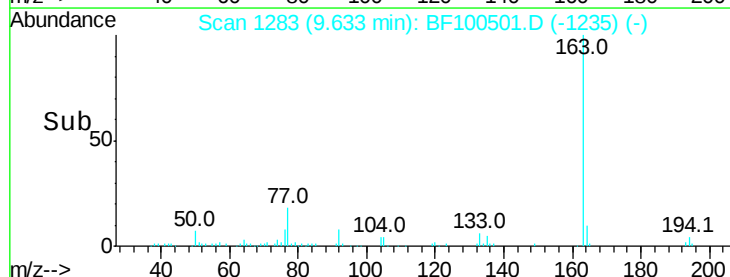
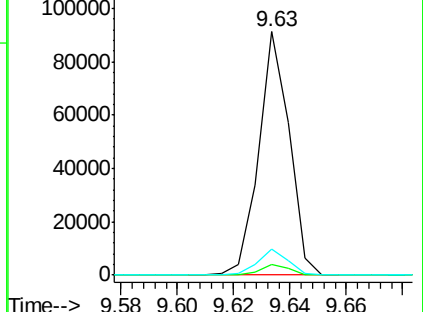
164 10.5 8.2 12.2

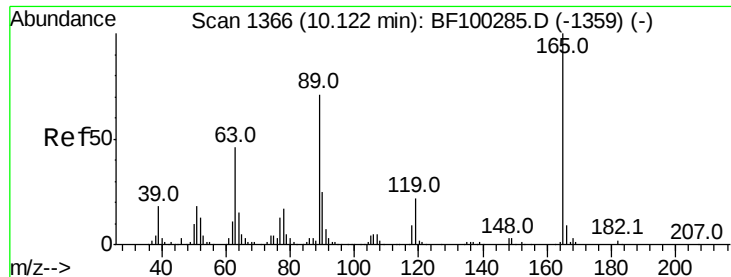


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

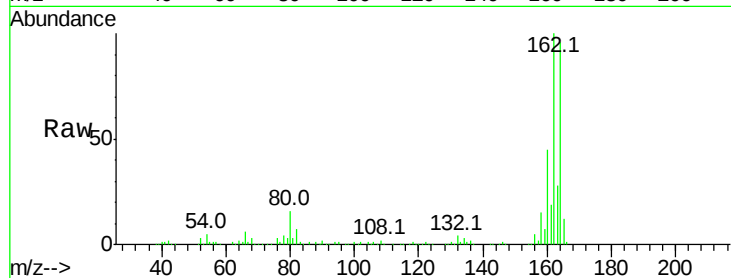




#56
 2,4-Dinitrotoluene
 Concen: 6.958 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF100501.D
 Acq: 13 Nov 2017 14:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

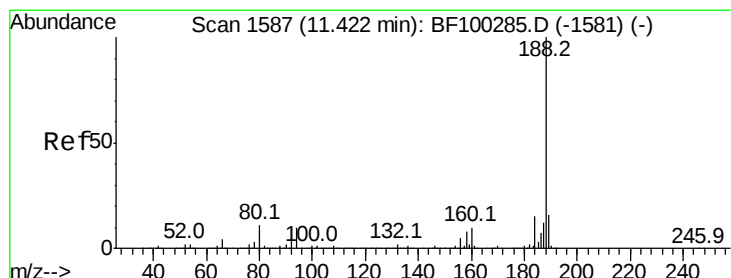
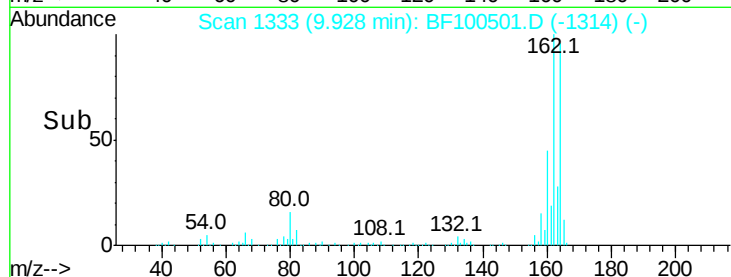
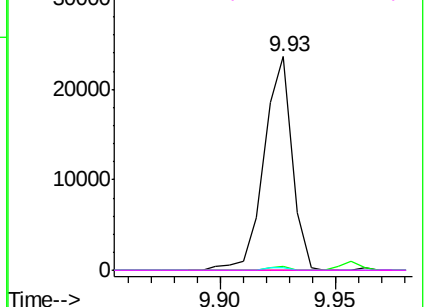


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

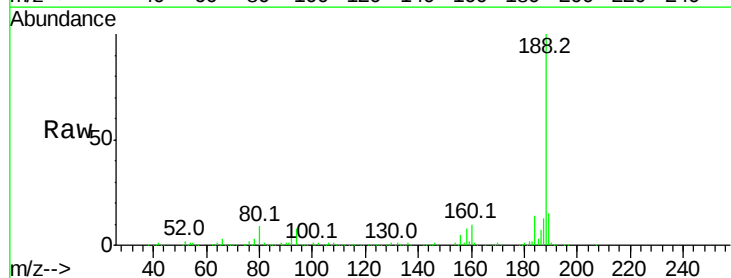
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF100501.D
 Acq: 13 Nov 2017 14:35

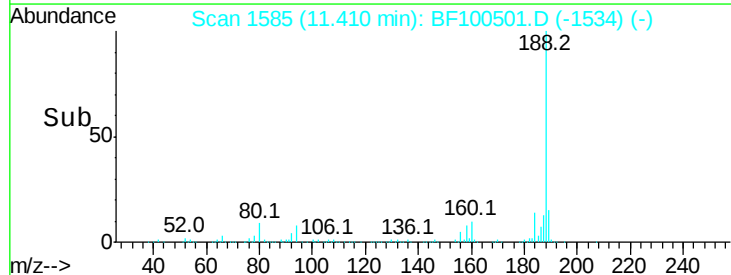
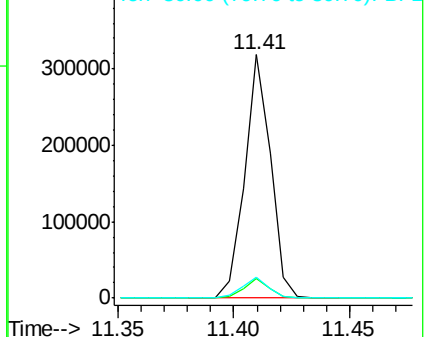
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	8.8	9.2	13.8#

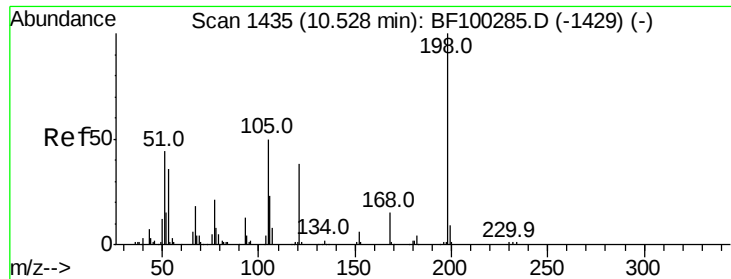


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.746 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.19 min

Lab File: BF100501.D

Acq: 13 Nov 2017 14:35

Instrument :

BNA_F

ClientSampled :

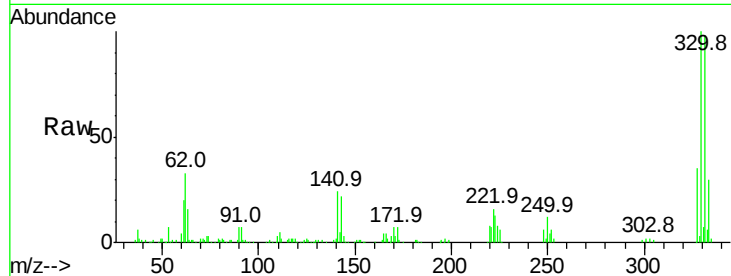
Tot Ion:198 Resp: 269

Ion Ratio Lower Upper

198 100

51 138.3 37.7 77.7#

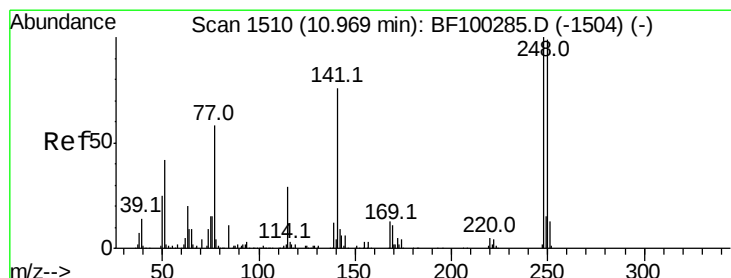
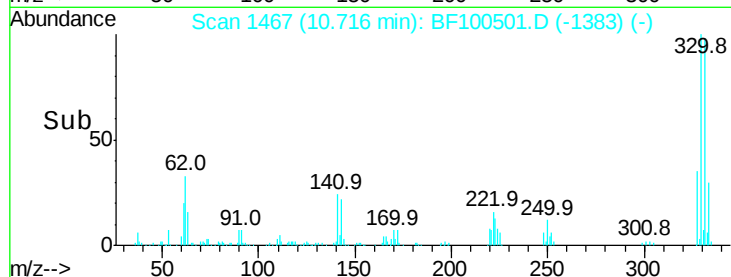
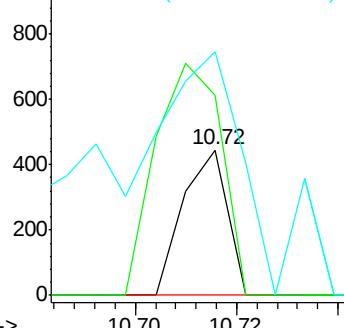
105 167.8 36.3 76.3#



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: 3.452 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.24 min

Lab File: BF100501.D

Acq: 13 Nov 2017 14:35

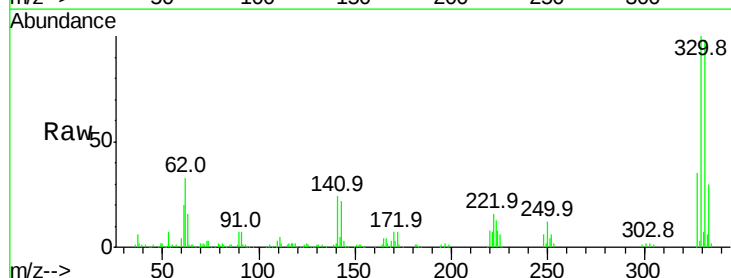
Tgt Ion:248 Resp: 9211

Ion Ratio Lower Upper

248 100

250 205.9 76.9 115.3#

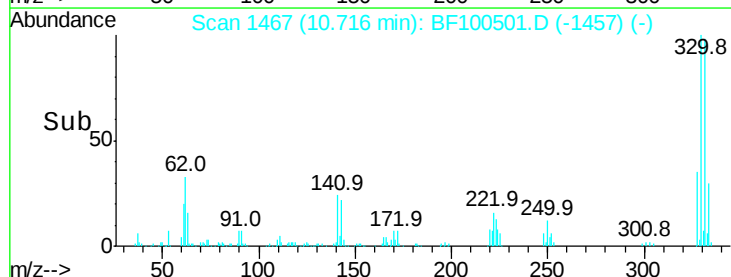
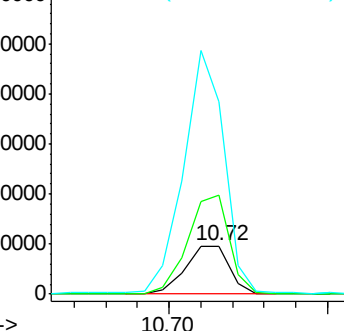
141 398.6 74.4 111.6#

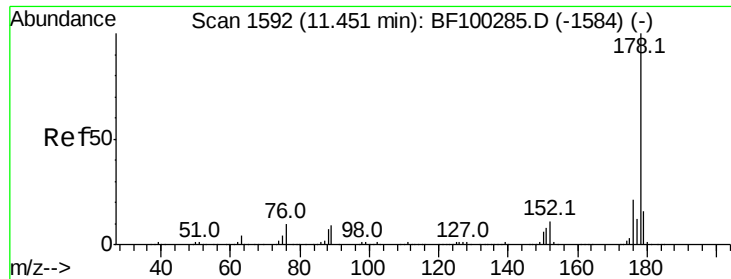


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

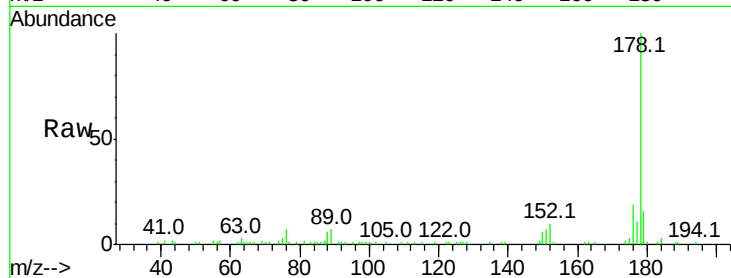




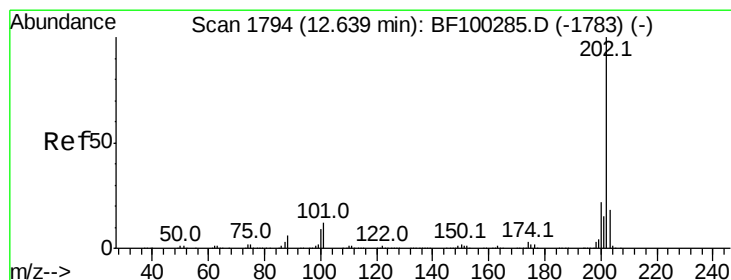
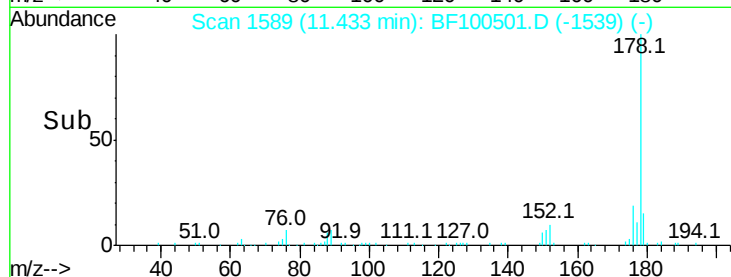
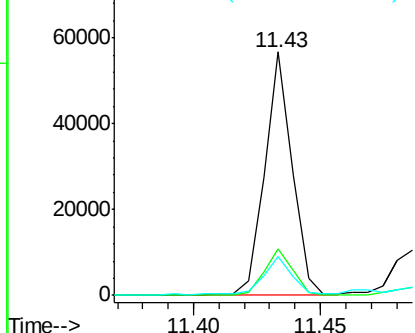
#70
Phenanthrene
Concen: 3.257 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF100501.D
Acq: 13 Nov 2017 14:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 42683
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 16.1 13.0 19.6

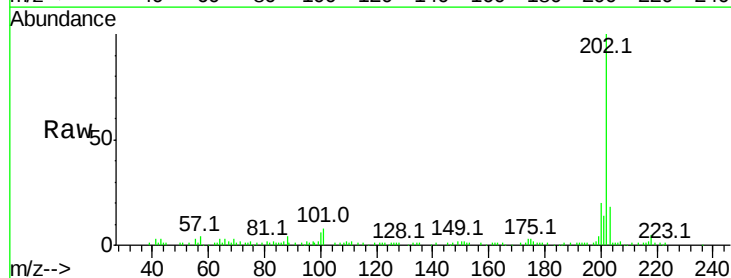


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

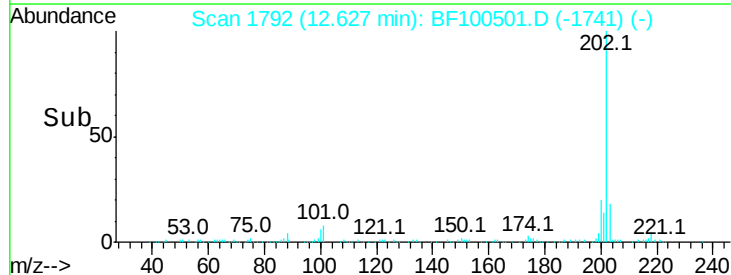
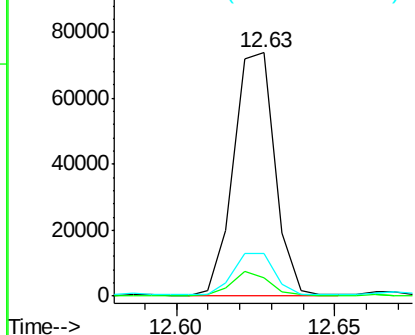


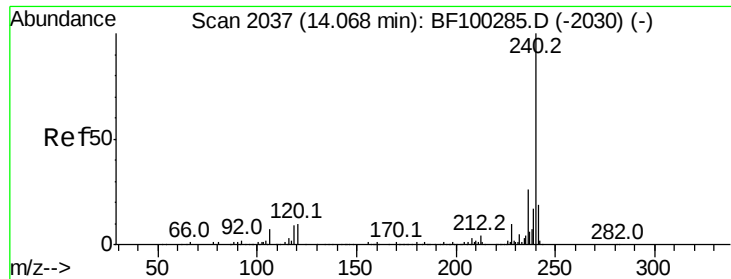
#74
Fluoranthene
Concen: 4.817 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.00 min
Lab File: BF100501.D
Acq: 13 Nov 2017 14:35

Tgt Ion:202 Resp: 66905
Ion Ratio Lower Upper
202 100
101 7.7 0.0 34.1
203 17.6 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: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF100501.D

Acq: 13 Nov 2017 14:35

Instrument :

BNA_F

ClientSampleId :

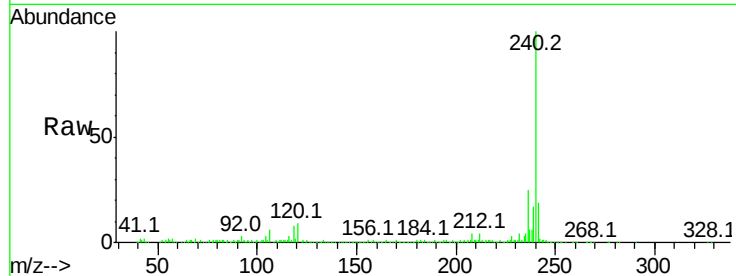
Tot Ion:240 Resp: 205224

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

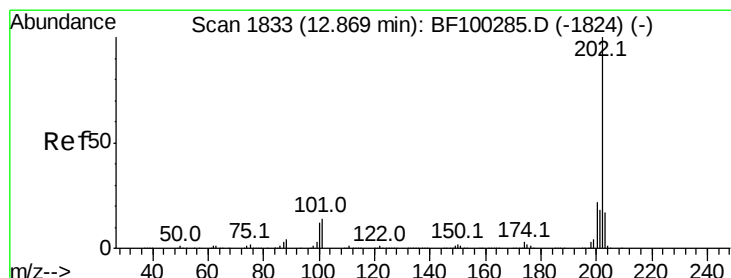
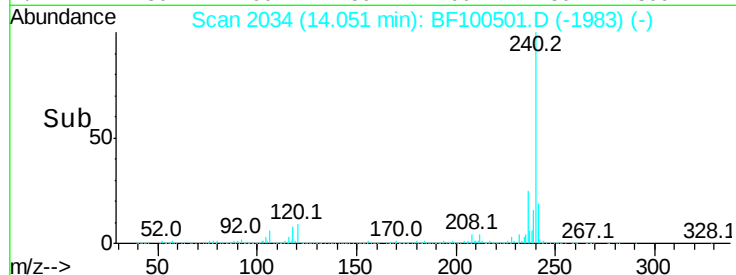
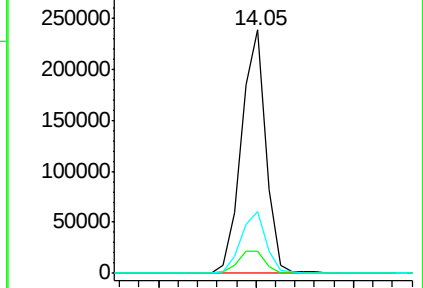
236 25.4 20.7 31.1



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



#77

Pyrene

Concen: 4.002 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF100501.D

Acq: 13 Nov 2017 14:35

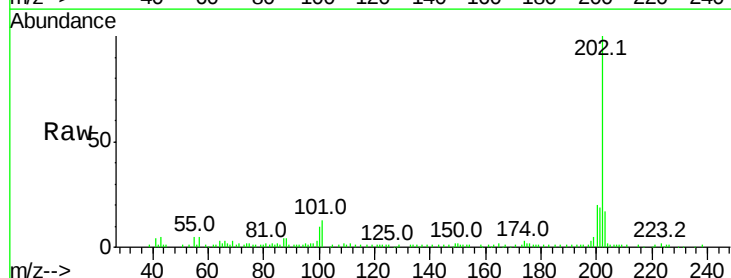
Tgt Ion:202 Resp: 58539

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

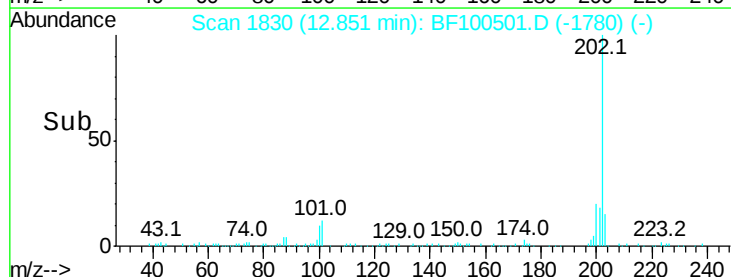
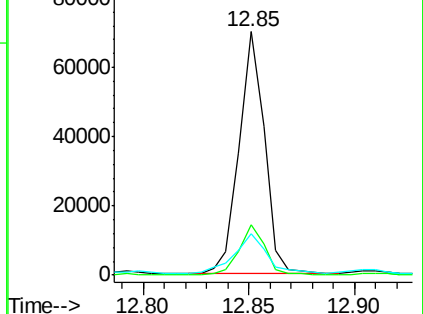
203 16.8 14.3 21.5

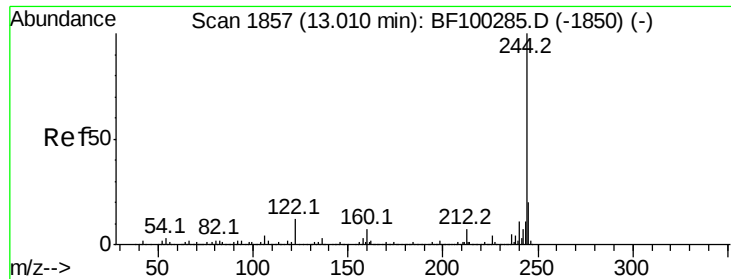


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

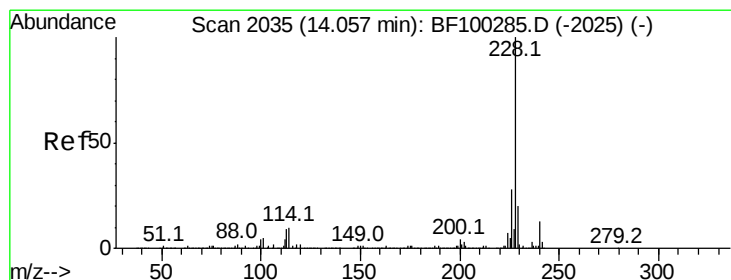
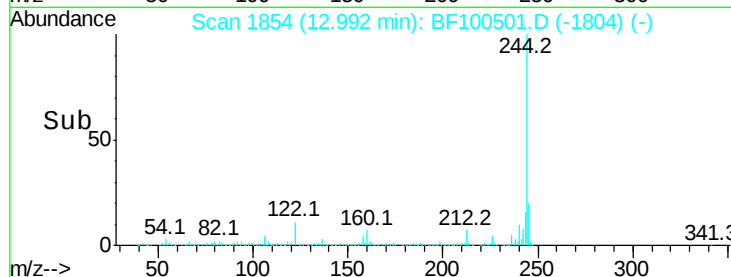
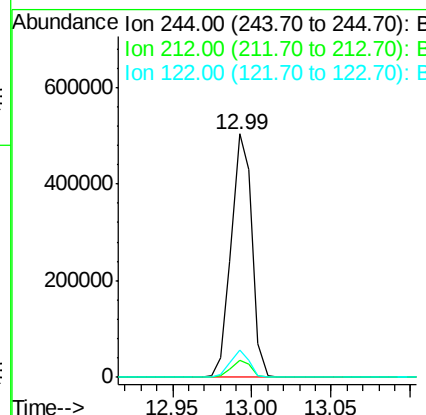
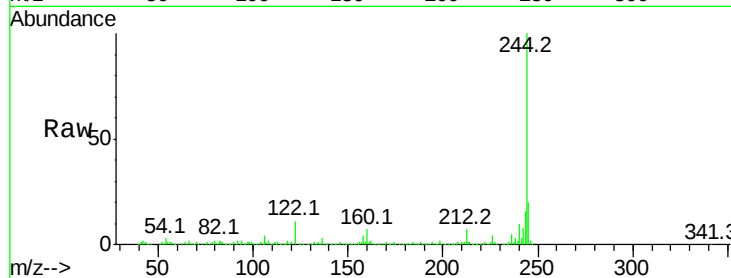




#78
 Terphenyl-d14
 Concen: 51.150 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF100501.D
 Acq: 13 Nov 2017 14:35

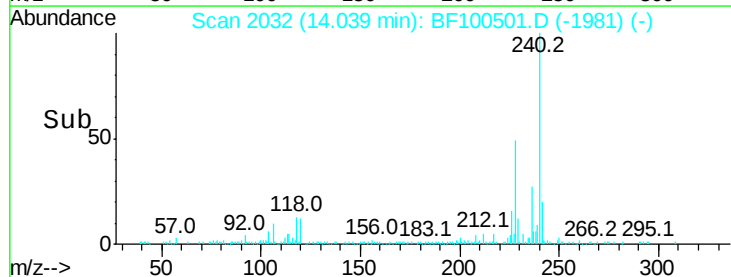
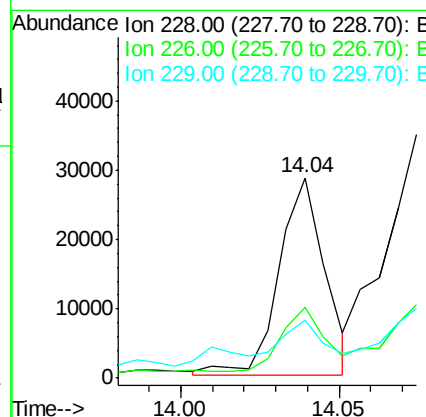
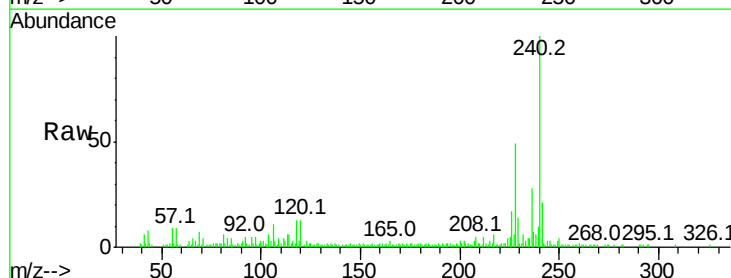
Instrument :
 BNA_F
 ClientSampleId :

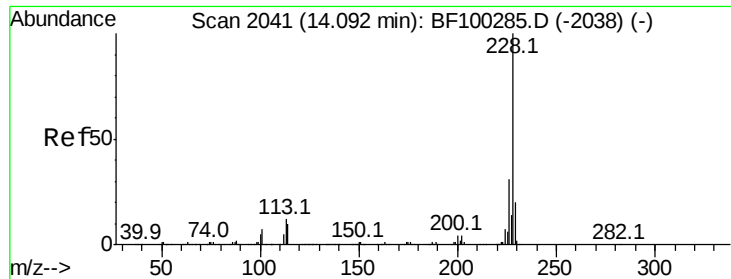
Tot Ion:244 Resp: 456857
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 11.1 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.330 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. 0.00 min
 Lab File: BF100501.D
 Acq: 13 Nov 2017 14:35

Tgt Ion:228 Resp: 28797
 Ion Ratio Lower Upper
 228 100
 226 35.4 22.6 33.8#
 229 28.8 15.8 23.6#





#82

Chrysene

Concen: 3.180 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF100501.D

Acq: 13 Nov 2017 14:35

Instrument :

BNA_F

ClientSampled :

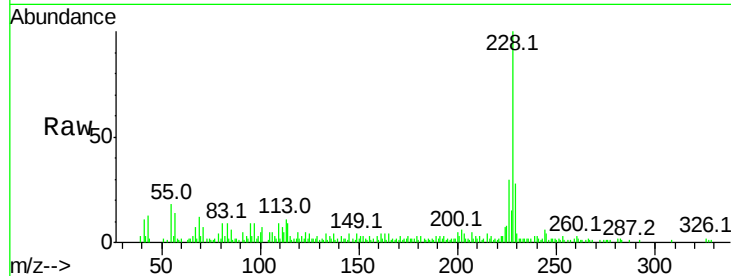
Tot Ion:228 Resp: 38062

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

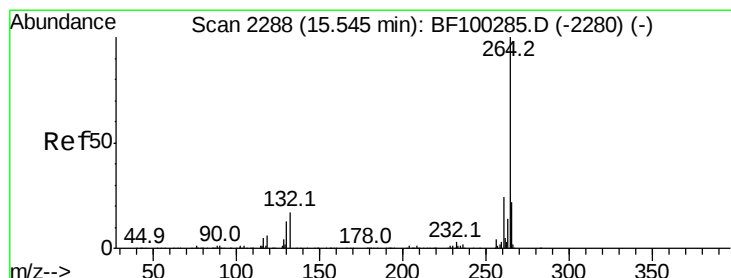
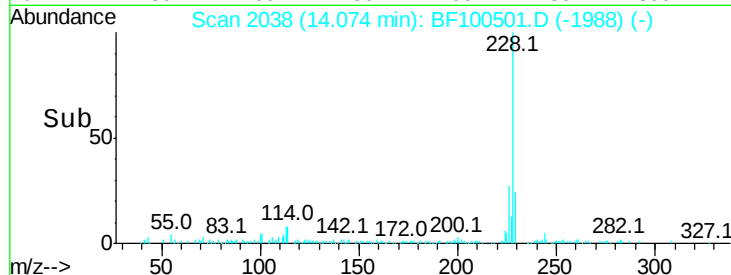
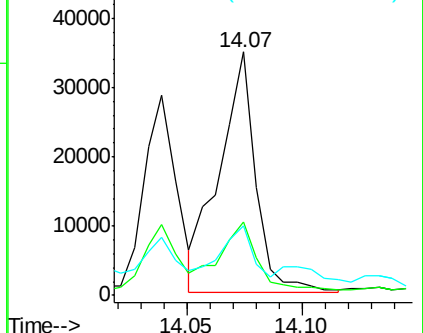
229 28.4 16.2 24.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.01 min

Lab File: BF100501.D

Acq: 13 Nov 2017 14:35

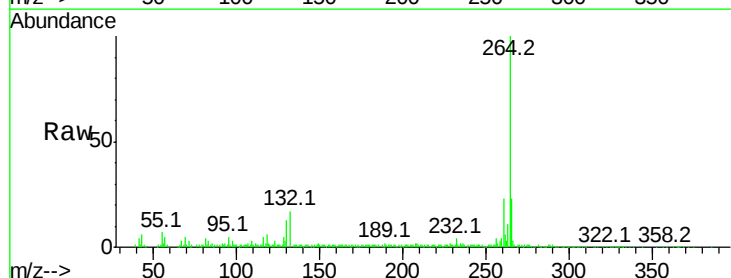
Tgt Ion:264 Resp: 171776

Ion Ratio Lower Upper

264 100

260 22.6 19.2 28.8

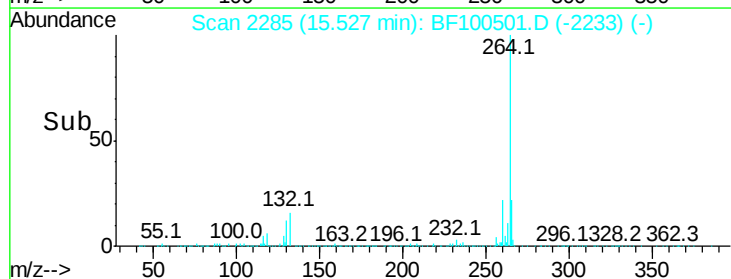
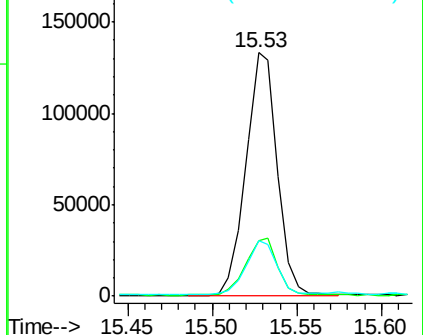
265 22.5 17.5 26.3

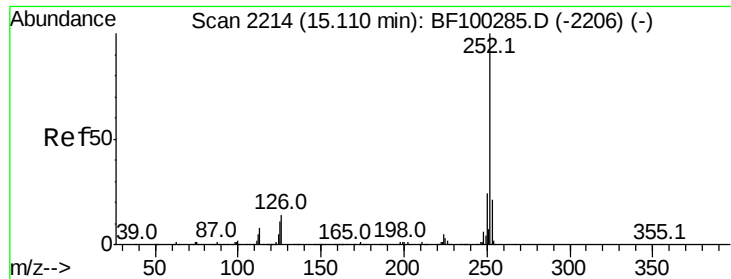


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.236 ng

RT: 15.09 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BF100501.D

Acq: 13 Nov 2017 14:35

Instrument :

BNA_F

ClientSampleId :

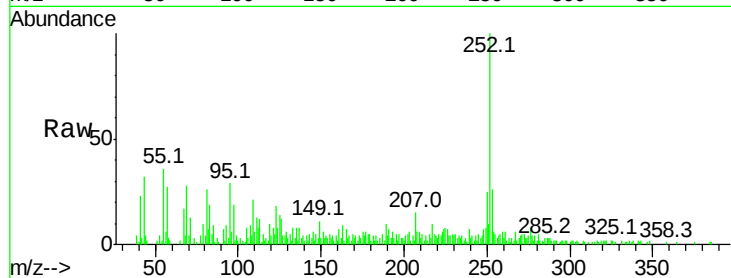
Tot Ion:252 Resp: 43112

Ion Ratio Lower Upper

252 100

253 25.8 17.0 25.6#

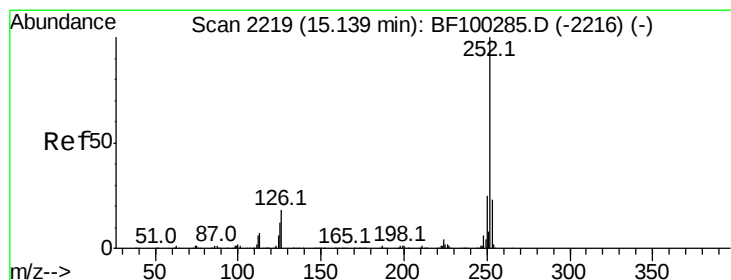
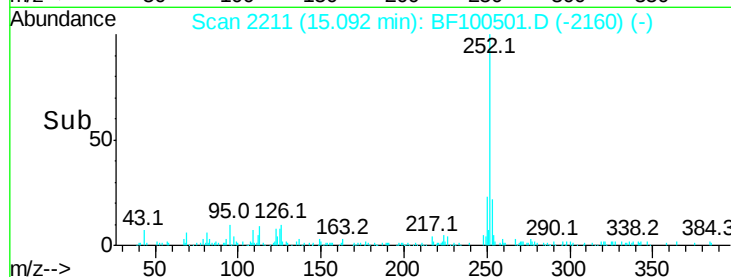
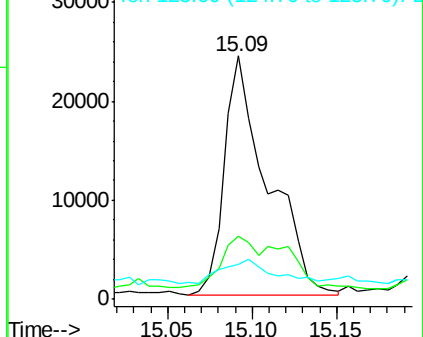
125 14.4 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.484 ng

RT: 15.09 min Scan# 2211

Delta R.T. -0.04 min

Lab File: BF100501.D

Acq: 13 Nov 2017 14:35

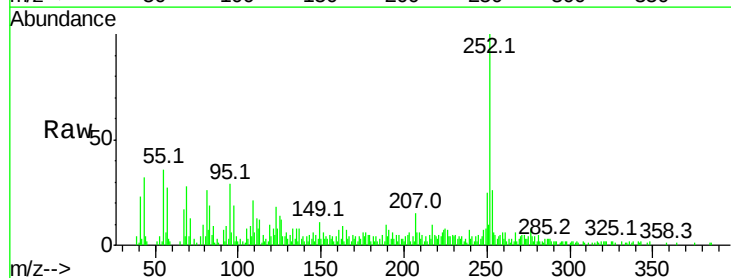
Tgt Ion:252 Resp: 43112

Ion Ratio Lower Upper

252 100

253 25.8 17.9 26.9

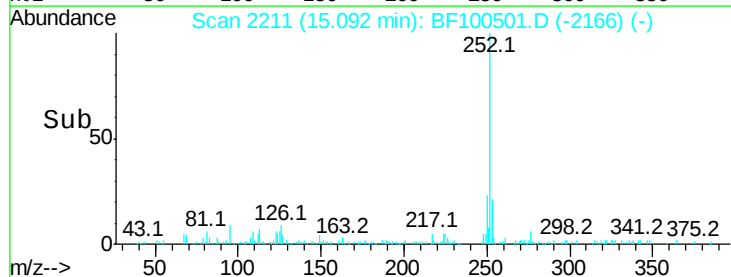
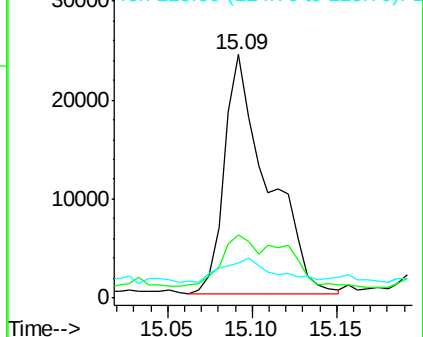
125 14.4 10.2 15.2

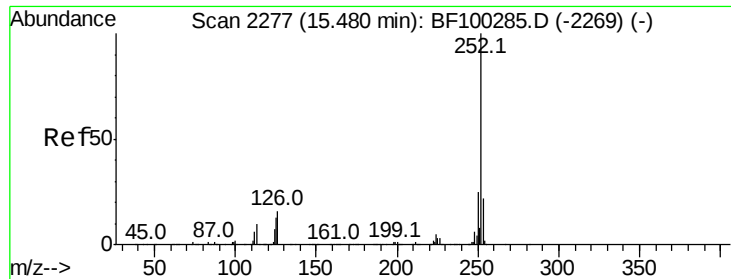


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.274 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.00 min

Lab File: BF100501.D

Acq: 13 Nov 2017 14:35

Instrument :

BNA_F

ClientSampleId :

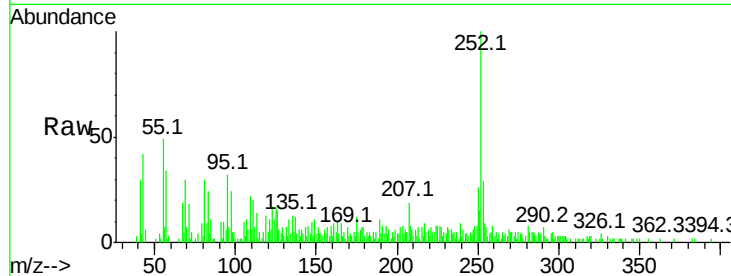
Tot Ion:252 Resp: 20514

Ion Ratio Lower Upper

252 100

253 29.0 17.1 25.7#

125 16.8 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

