

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101356.D
 Acq On : 13 Dec 2017 4:11
 Operator : SJ/JU
 Sample : I6744-10
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 05:09:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	47728	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	176961	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	73327	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	122222	20.00	ng	0.00
75) Chrysene-d12	14.01	240	94200	20.00	ng	0.00
86) Perylene-d12	15.49	264	72019	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	418669	144.95	ng	0.01
7) Phenol-d6	6.47	99	495609	141.33	ng	0.01
23) Nitrobenzene-d5	7.39	82	288183	97.15	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	97989	111.24	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	554346	103.43	ng	0.00
78) Terphenyl-d14	12.94	244	413055	95.91	ng	0.00

Target Compounds

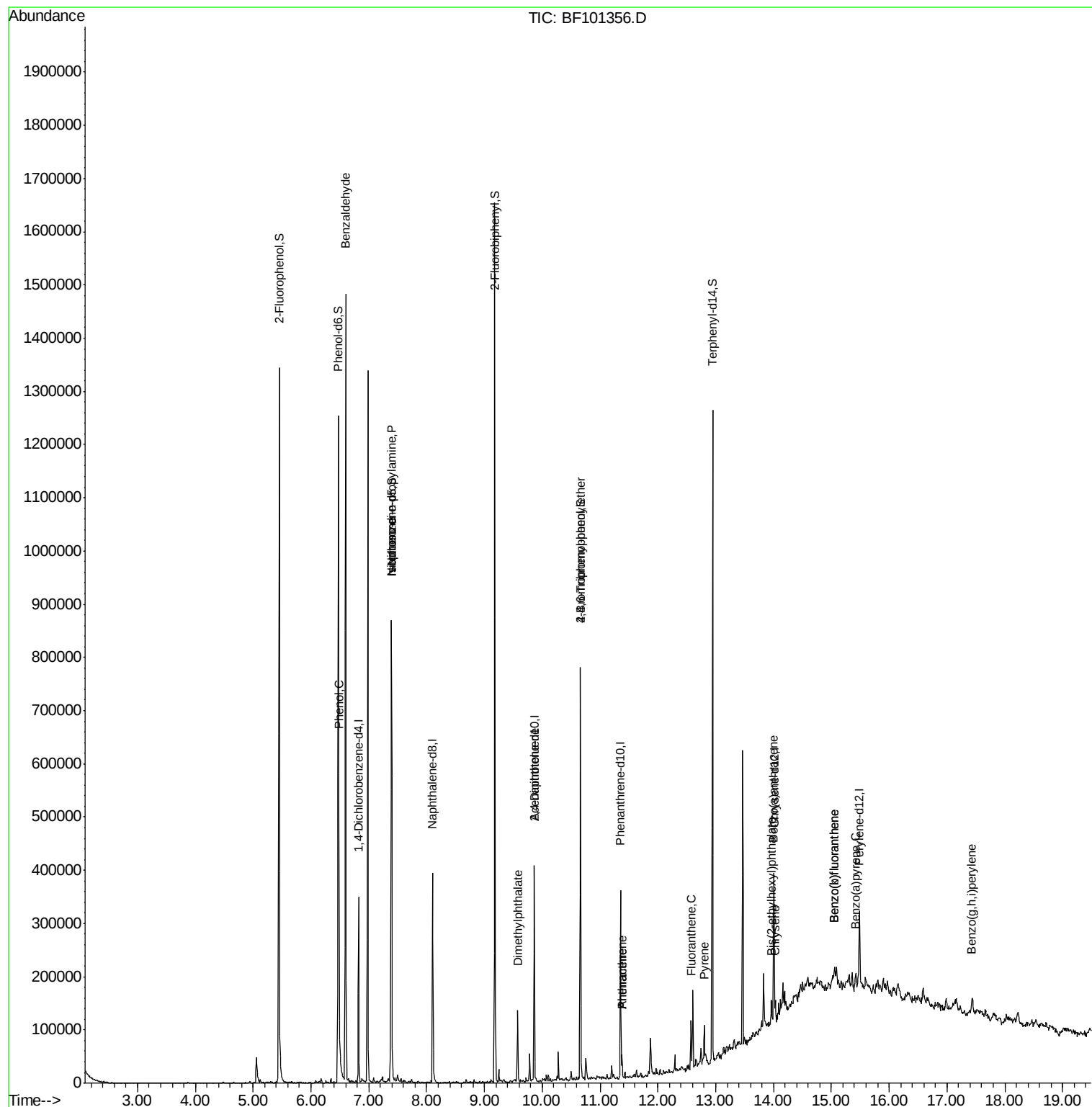
						Qvalue
9) Benzaldehyde	6.60	77	8762	4.082	ng	90
10) Phenol	6.49	94	18594	4.769	ng	80
19) n-Nitroso-di-n-propylamine	7.39	70	39270	16.628	ng	# 82
25) Isophorone	7.39	82	288178	56.872	ng	# 64
49) Dimethylphthalate	9.57	163	47880	8.097	ng	# 99
56) 2,4-Dinitrotoluene	9.86	165	8974	5.376	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	6300	4.605	ng	# 1
70) Phenanthrene	11.38	178	15974	2.373	ng	97
71) Anthracene	11.38	178	15974	2.345	ng	97
74) Fluoranthene	12.57	202	31990	4.288	ng	94
77) Pyrene	12.80	202	28462	4.379	ng	96
80) Benzo(a)anthracene	14.00	228	15404	2.590	ng	91
82) Chrysene	14.03	228	12780	2.314	ng	96
83) Bis(2-ethylhexyl)phthalate	13.96	149	14484	3.545	ng	# 97
87) Benzo(b)fluoranthene	15.06	252	17856	4.139	ng	# 85
88) Benzo(k)fluoranthene	15.06	252	17856	4.201	ng	# 88
89) Benzo(a)pyrene	15.42	252	11450	2.920	ng	# 87
91) Benzo(g,h,i)perylene	17.43	276	22818	7.003	ng	98

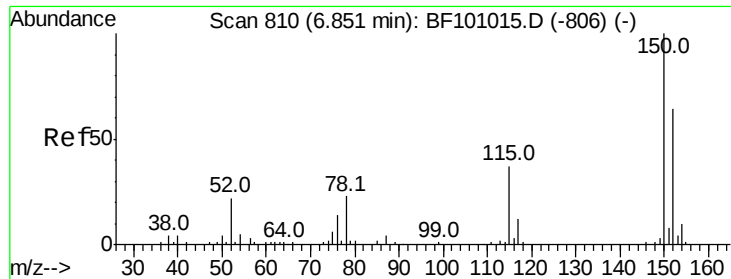
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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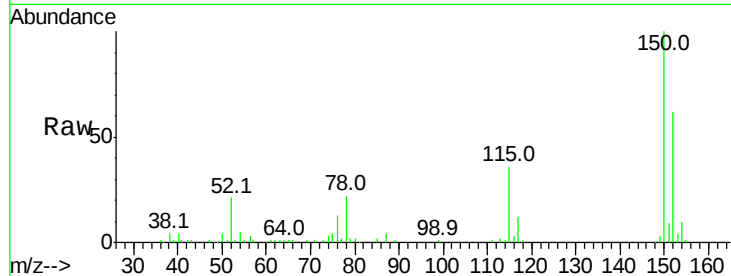


#1

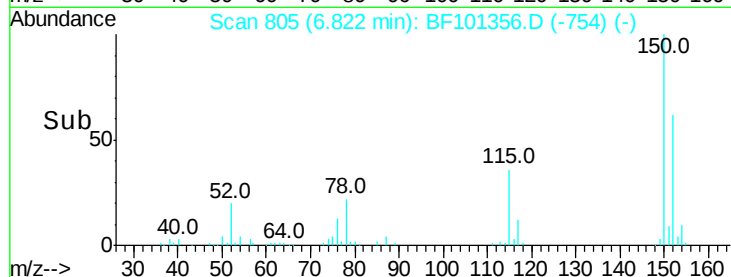
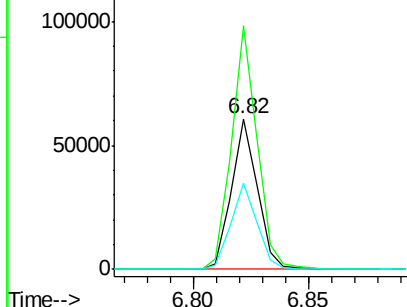
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 47728
Ion Ratio Lower Upper
152 100
150 161.9 124.6 186.8
115 57.7 50.1 75.1



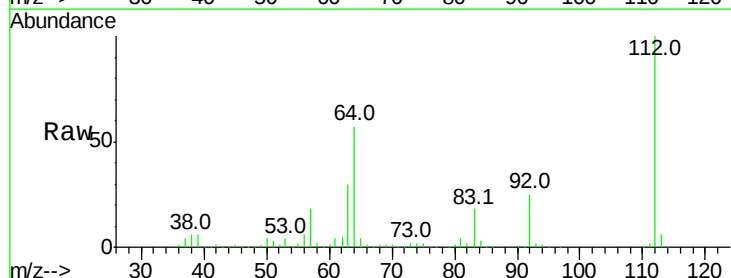
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



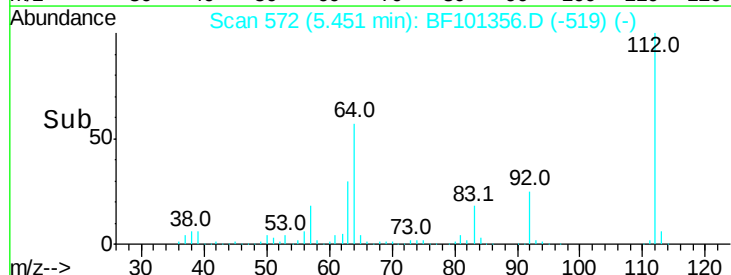
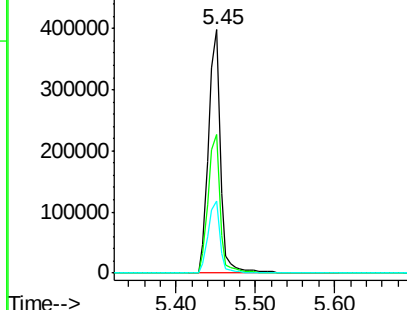
#5

2-Fluorophenol
Concen: 144.952 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Tgt Ion:112 Resp: 418669
Ion Ratio Lower Upper
112 100
64 57.0 47.9 71.9
63 29.9 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: 141.332 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Instrument :

BNA_F

ClientSampled :

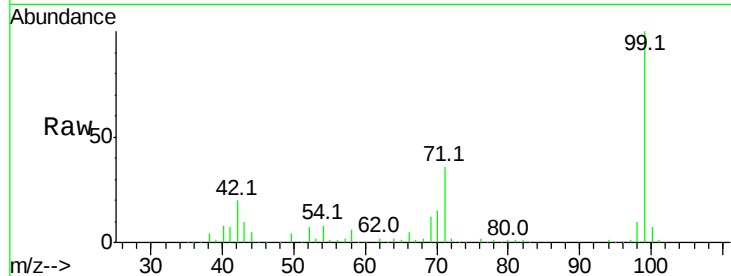
Tot Ion: 99 Resp: 495609

Ion Ratio Lower Upper

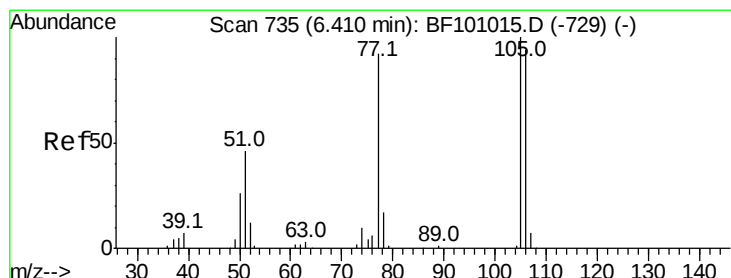
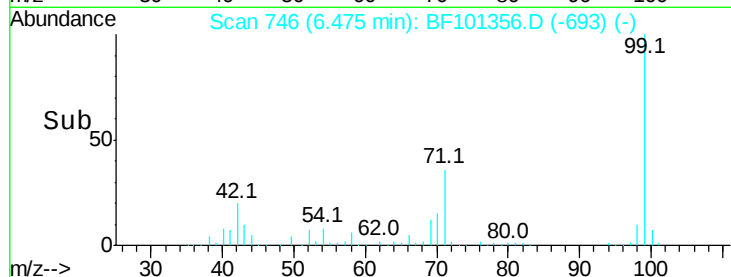
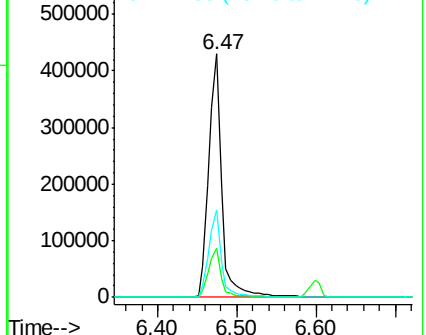
99 100

42 20.1 14.5 21.7

71 35.7 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: 4.082 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

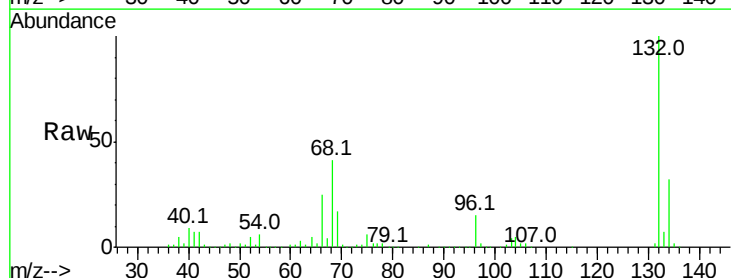
Tgt Ion: 77 Resp: 8762

Ion Ratio Lower Upper

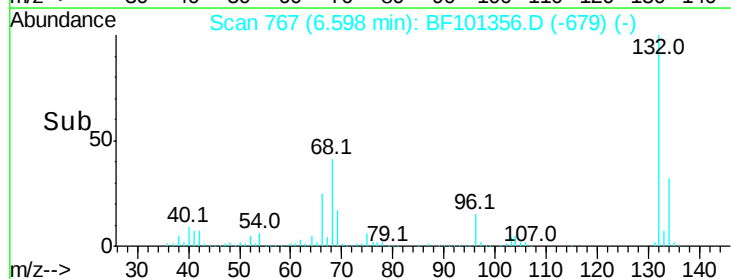
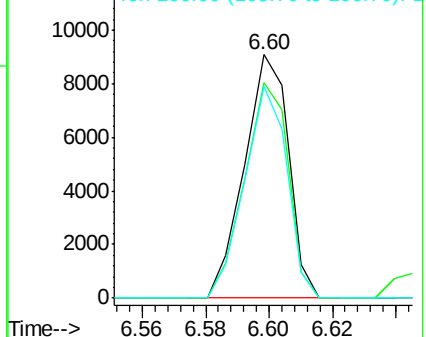
77 100

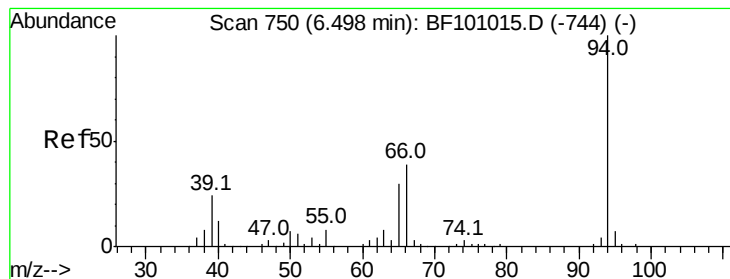
105 88.4 81.1 121.1

106 86.8 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





#10

Phenol

Concen: 4.769 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Instrument :

BNA_F

ClientSampled :

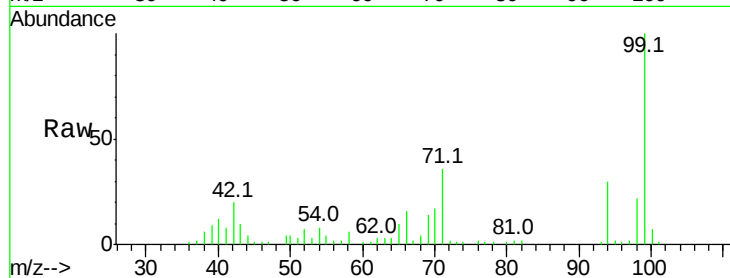
Tot Ion: 94 Resp: 18594

Ion Ratio Lower Upper

94 100

65 32.6 7.9 47.9

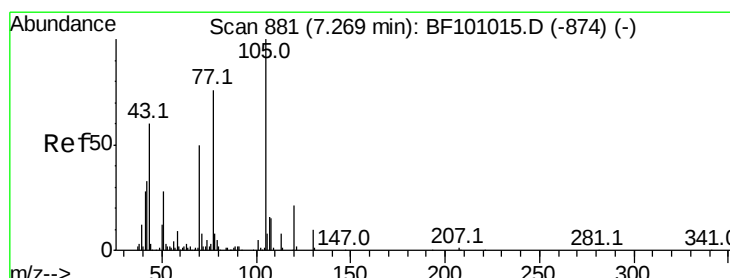
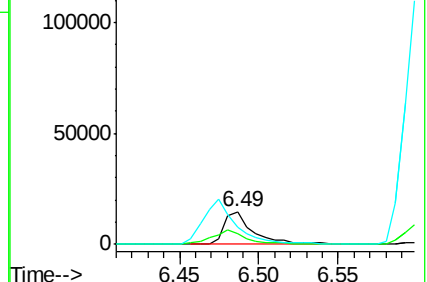
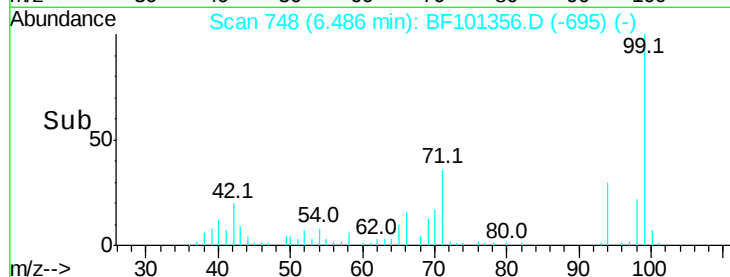
66 53.1 16.2 56.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.628 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Tgt Ion: 70 Resp: 39270

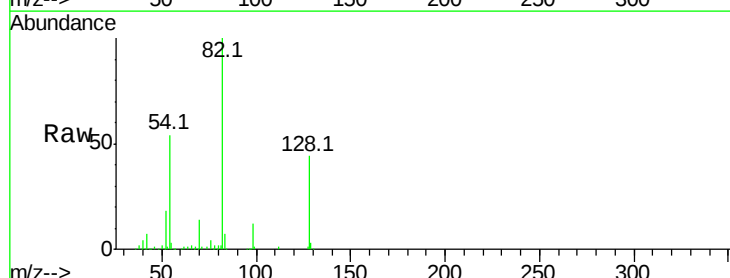
Ion Ratio Lower Upper

70 100

42 52.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

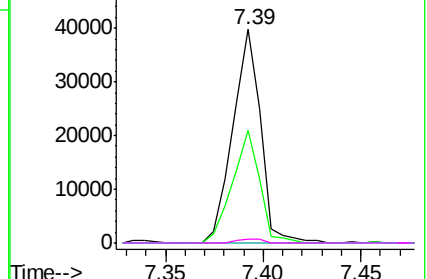
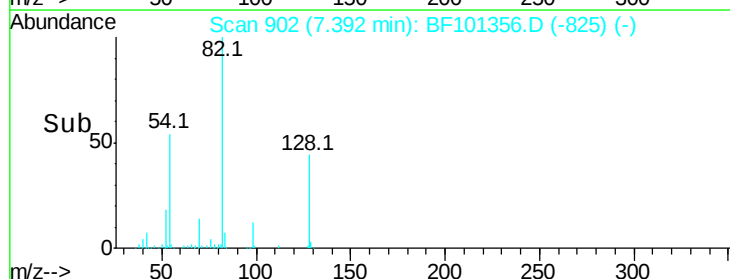


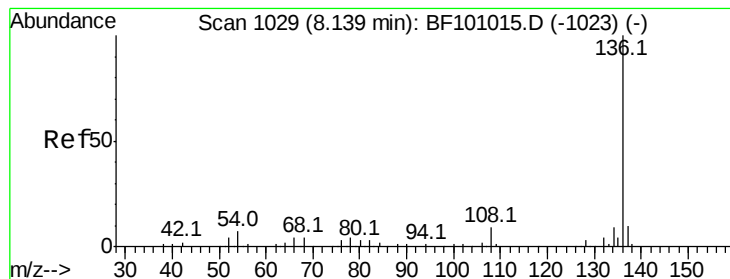
Abundance Ion 70.00 (69.70 to 70.70): BF1

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 176961

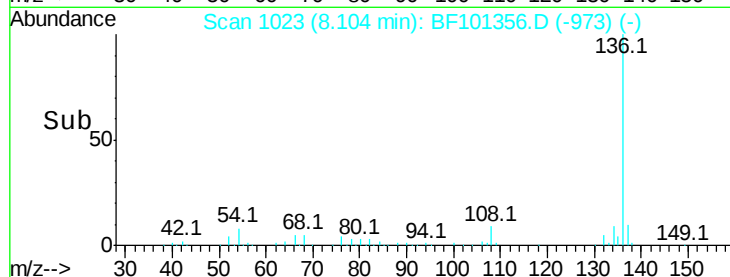
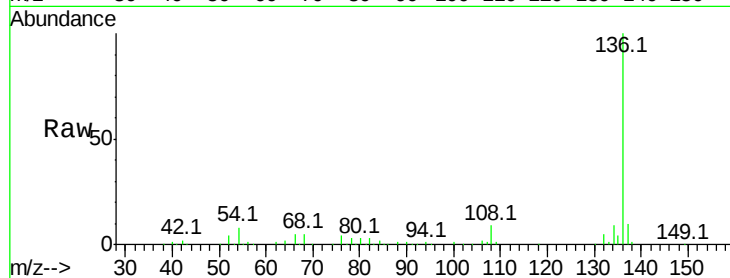
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.6 6.6 9.8

68 4.7 5.0 7.4#



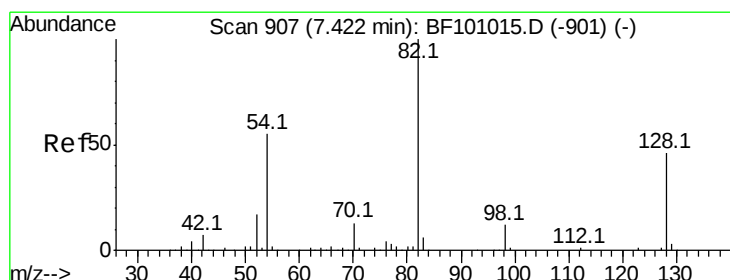
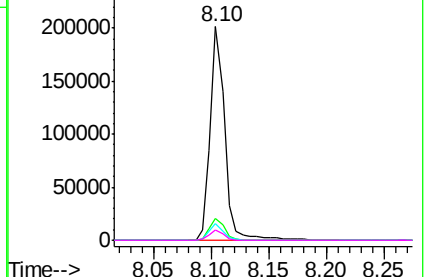
Abundance Ion 136.00 (135.70 to 136.70): E

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

Time-->



#23

Nitrobenzene-d5

Concen: 97.146 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

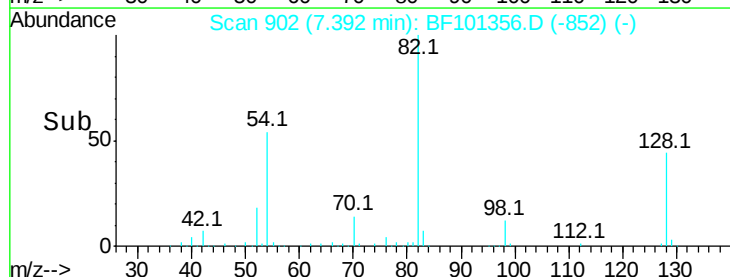
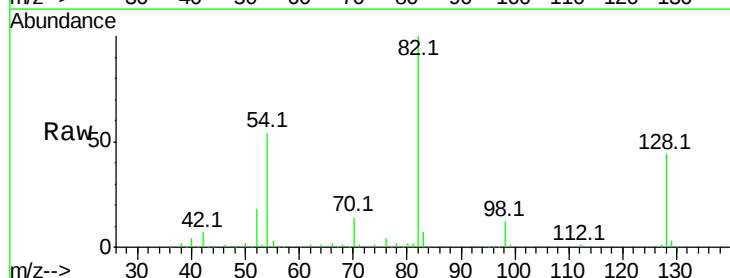
Tgt Ion: 82 Resp: 288183

Ion Ratio Lower Upper

82 100

128 44.0 36.1 54.1

54 53.8 41.4 62.2

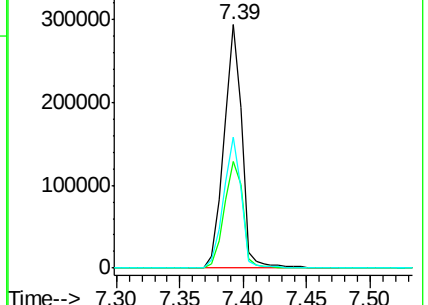


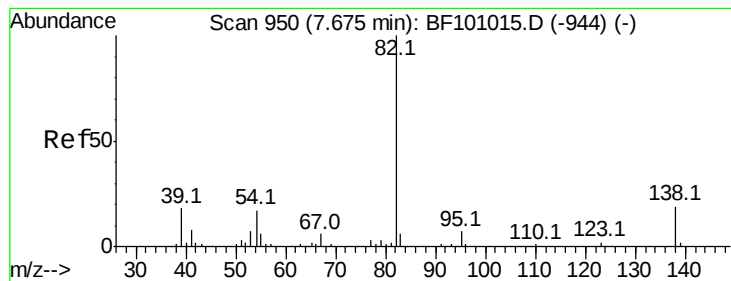
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

Time-->





#25

Isophorone

Concen: 56.872 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Instrument :

BNA_F

ClientSampled :

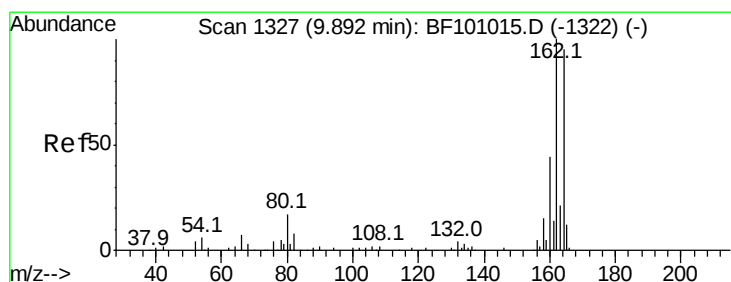
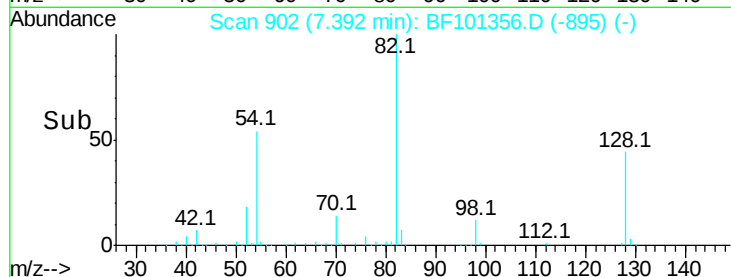
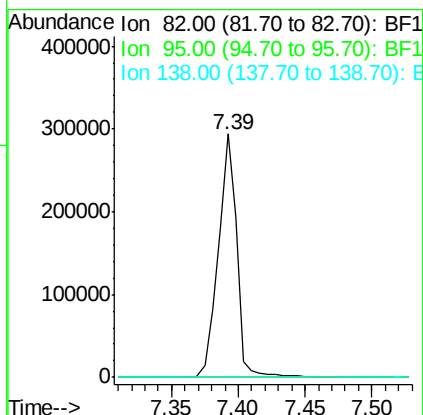
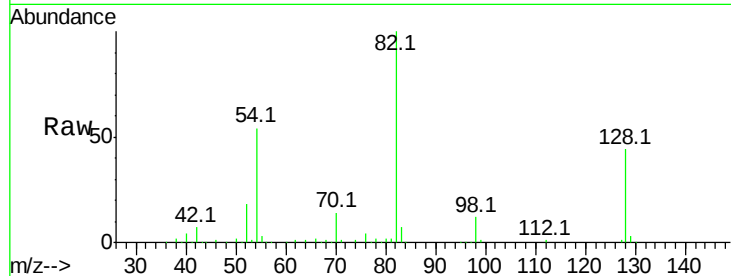
Tot Ion: 82 Resp: 288178

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

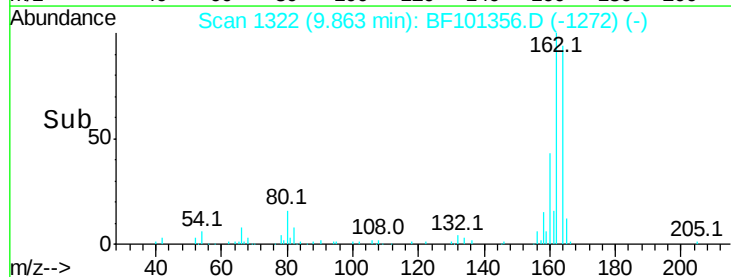
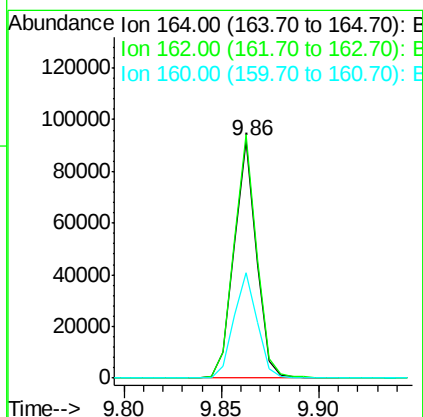
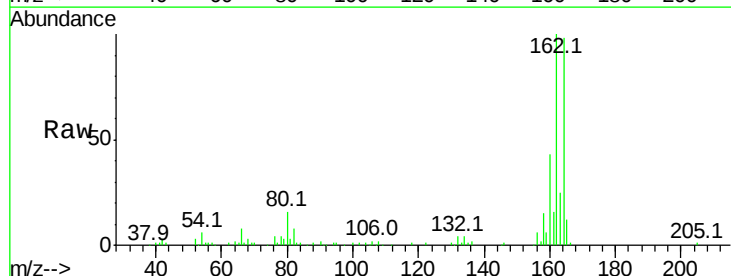
Tgt Ion:164 Resp: 73327

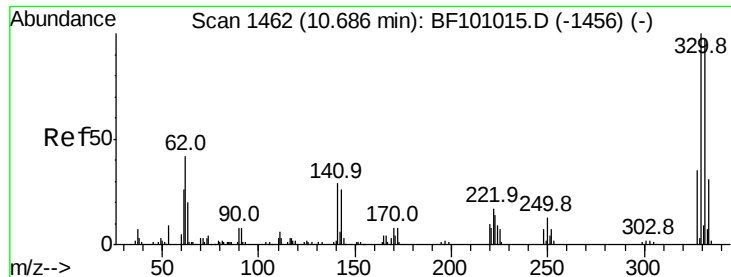
Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

160 44.1 38.3 57.5

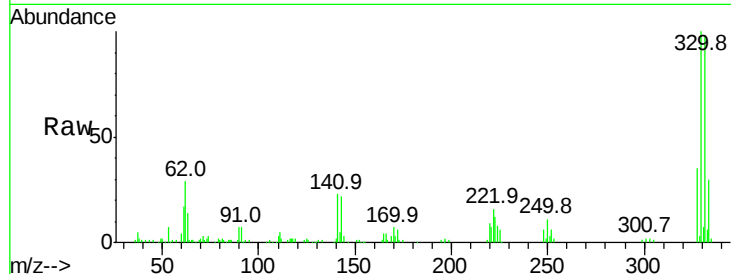




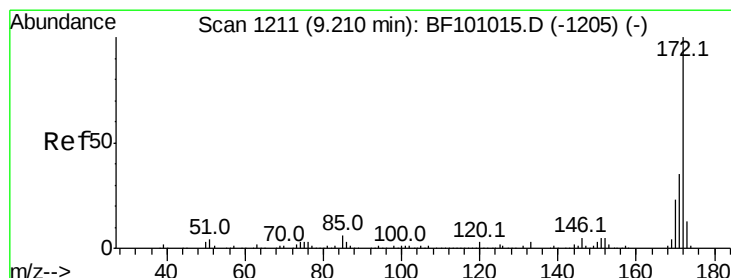
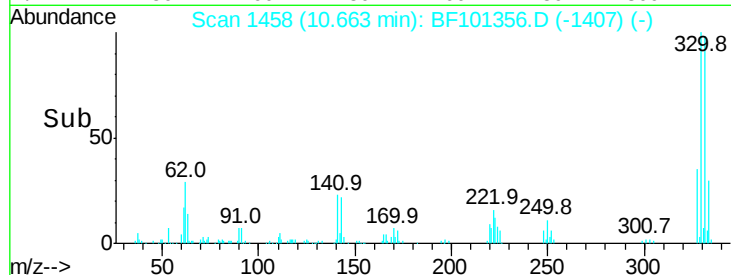
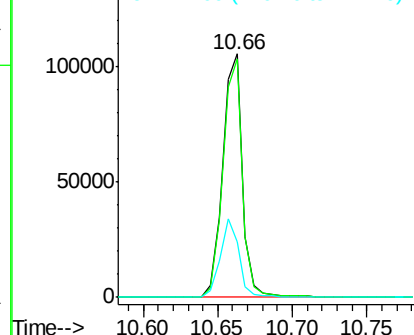
#41
 2,4,6-Tribromophenol
 Concen: 111.242 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: BF101356.D
 Acq: 13 Dec 2017 4:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	30.6	29.9	44.9

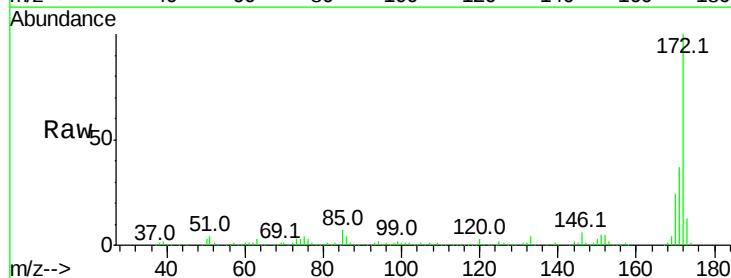


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

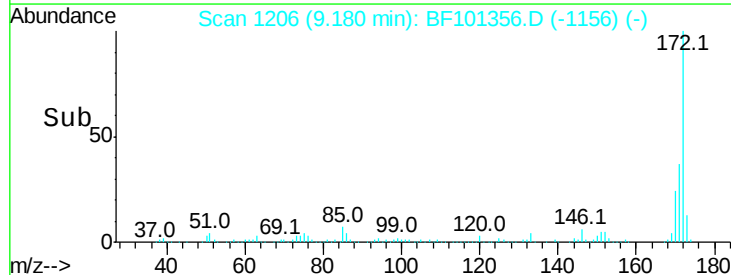
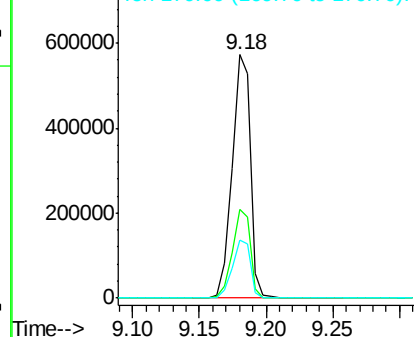


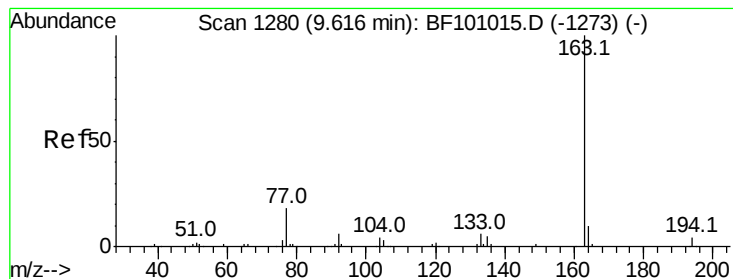
#44
 2-Fluorobiphenyl
 Concen: 103.435 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF101356.D
 Acq: 13 Dec 2017 4:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.9	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





#49

Dimethylphthalate

Concen: 8.097 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Instrument :

BNA_F

ClientSampleId :

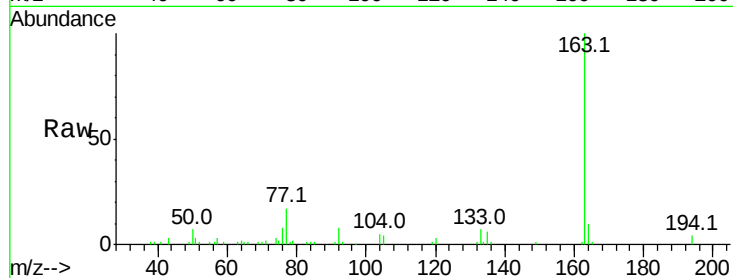
Tot Ion:163 Resp: 47880

Ion Ratio Lower Upper

163 100

194 4.4 2.7 4.1#

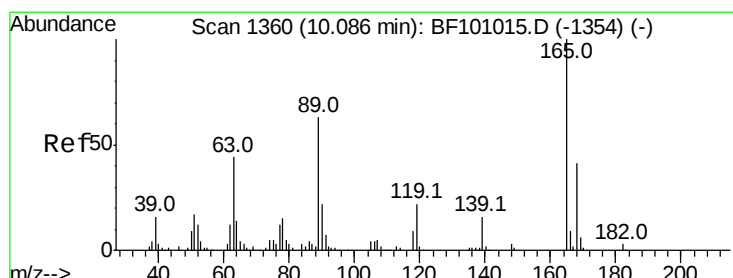
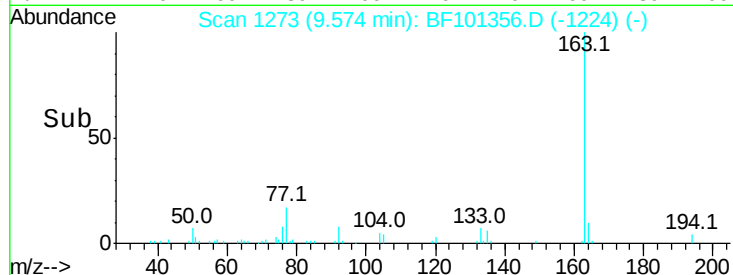
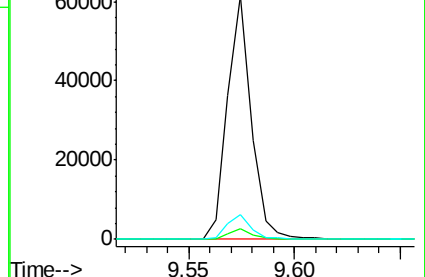
164 10.3 8.2 12.2



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: 5.376 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.20 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Tgt Ion:165 Resp: 8974

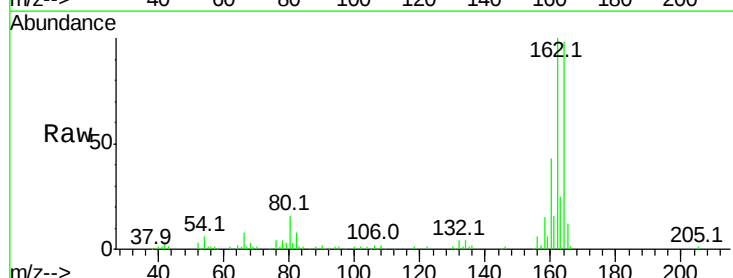
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

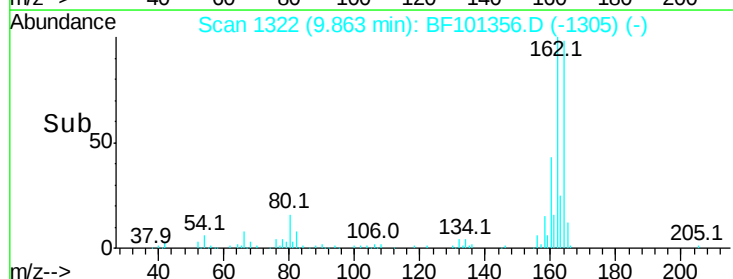
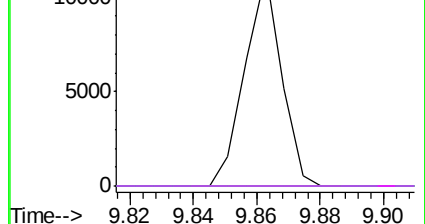


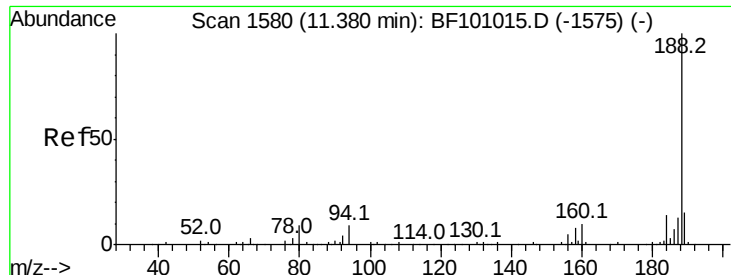
Abundance Ion 165.00 (164.70 to 165.70): E

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

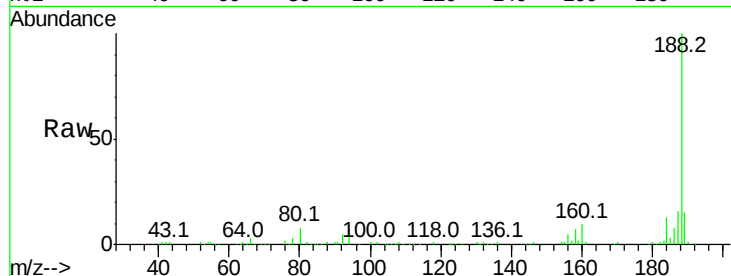




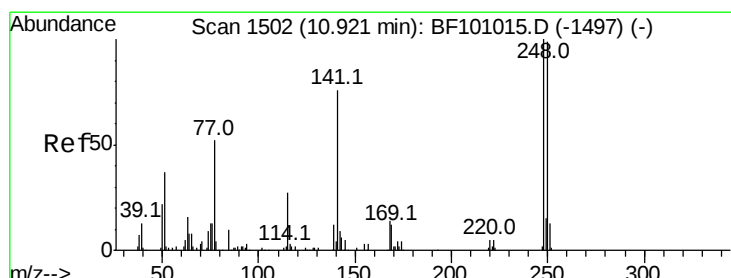
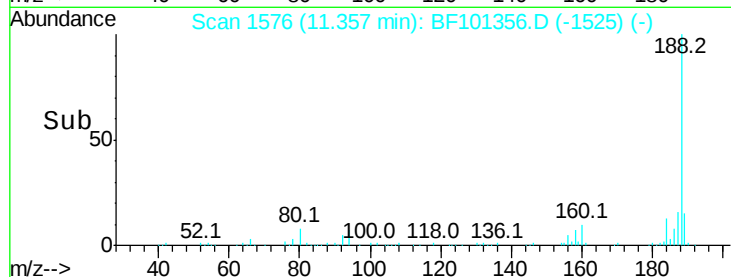
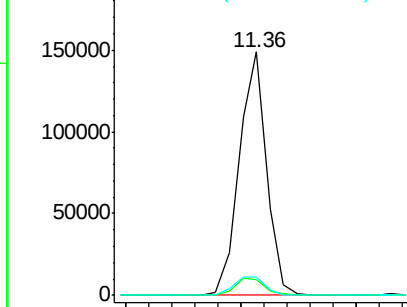
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: BF101356.D
 Acq: 13 Dec 2017 4:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 122222
 Ion Ratio Lower Upper
 188 100
 94 6.5 8.5 12.7#
 80 7.8 9.2 13.8#

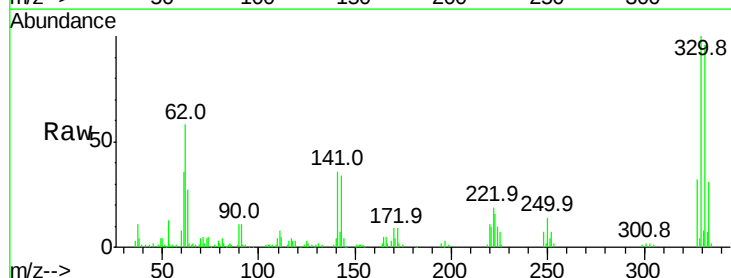


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

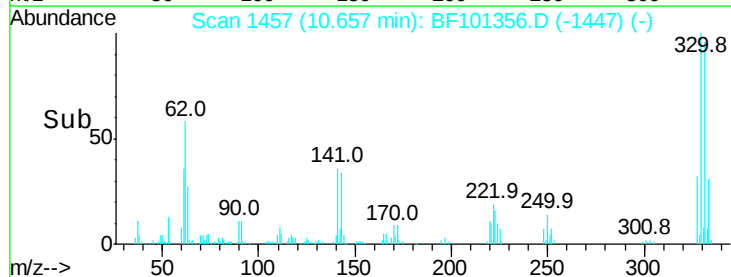
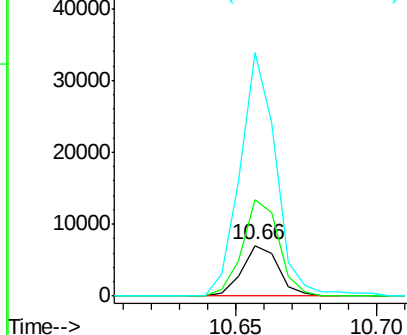


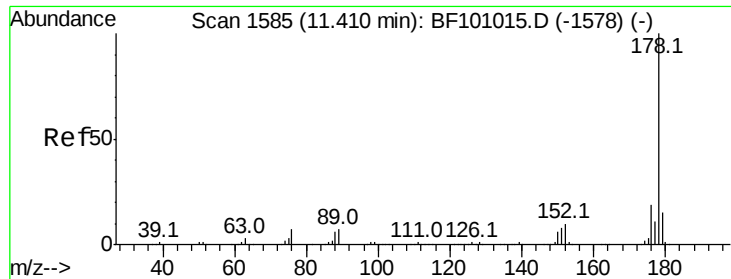
#66
 4-Bromophenyl-phenylether
 Concen: 4.605 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.24 min
 Lab File: BF101356.D
 Acq: 13 Dec 2017 4:11

Tgt Ion:248 Resp: 6300
 Ion Ratio Lower Upper
 248 100
 250 188.9 76.9 115.3#
 141 478.8 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

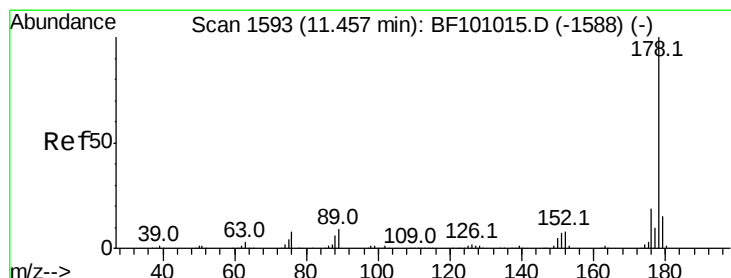
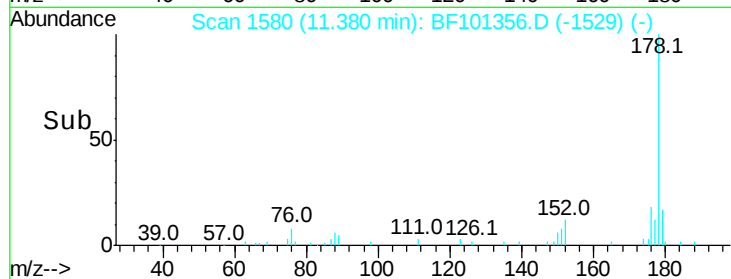
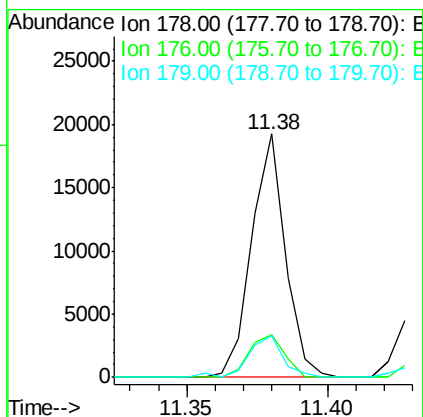
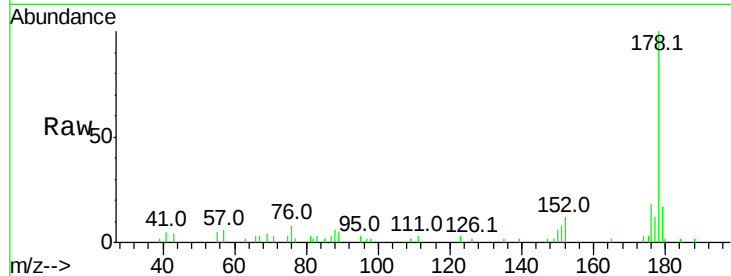




#70
Phenanthrene
Concen: 2.373 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

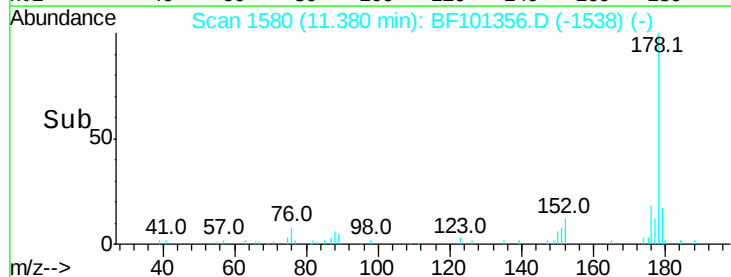
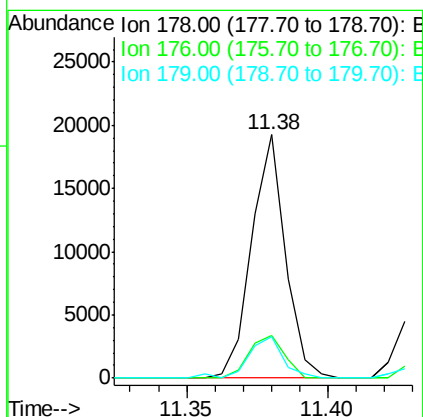
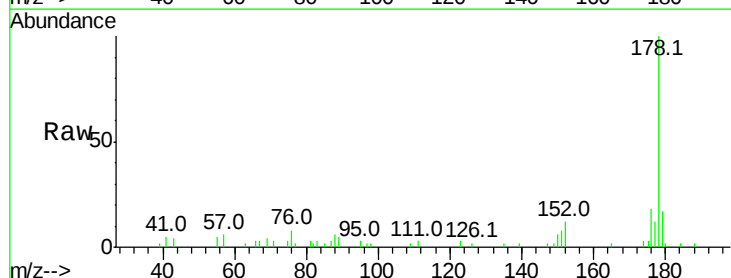
Instrument :
BNA_F
ClientSampled :

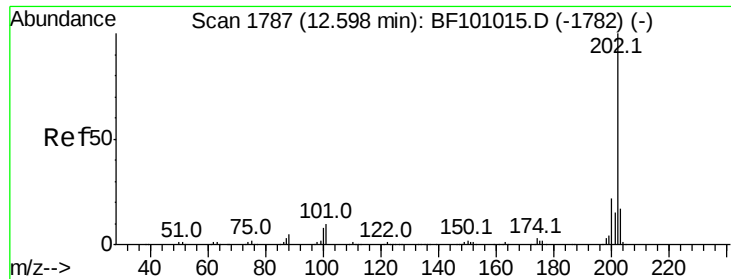
Tot Ion:178 Resp: 15974
Ion Ratio Lower Upper
178 100
176 17.6 15.8 23.8
179 17.1 13.0 19.6



#71
Anthracene
Concen: 2.345 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.05 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Tgt Ion:178 Resp: 15974
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.2
179 17.1 12.6 19.0





#74

Fluoranthene

Concen: 4.288 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Instrument :

BNA_F

ClientSampleId :

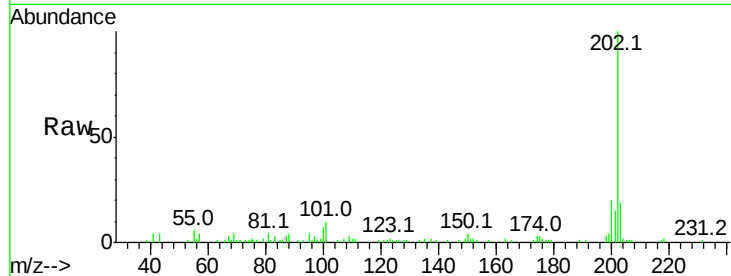
Tot Ion:202 Resp: 31990

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.1

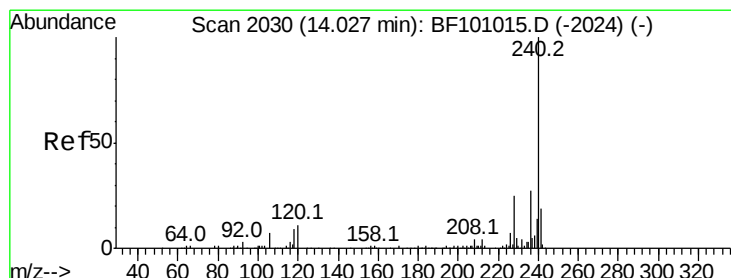
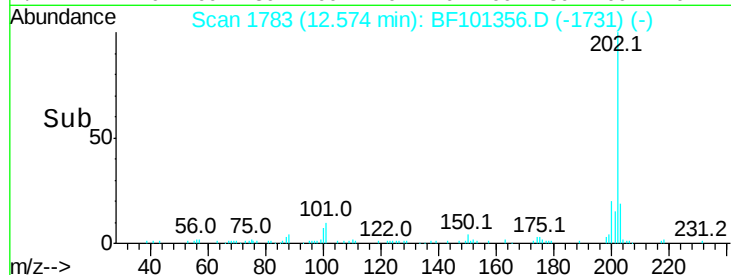
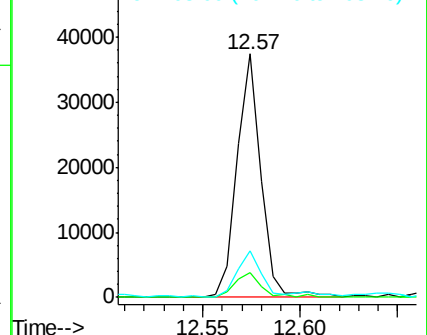
203 19.0 0.0 38.1



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: BF101356.D

Acq: 13 Dec 2017 4:11

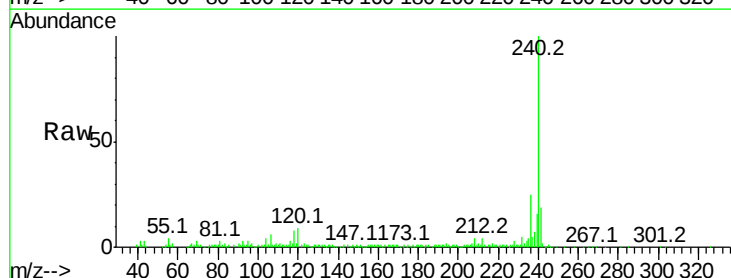
Tgt Ion:240 Resp: 94200

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

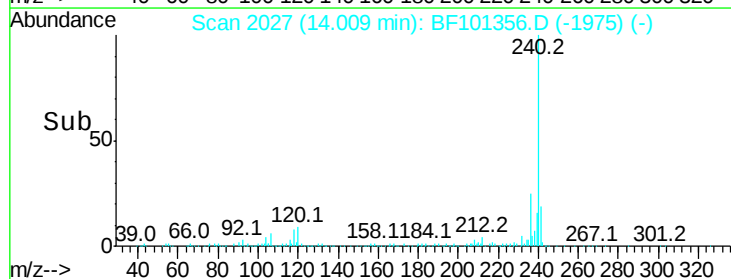
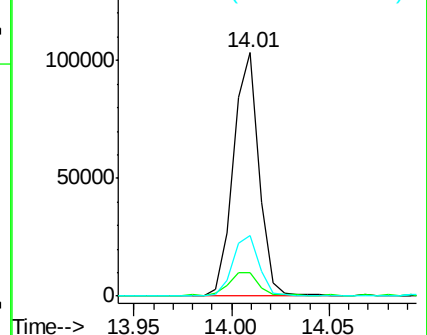
236 25.0 20.7 31.1

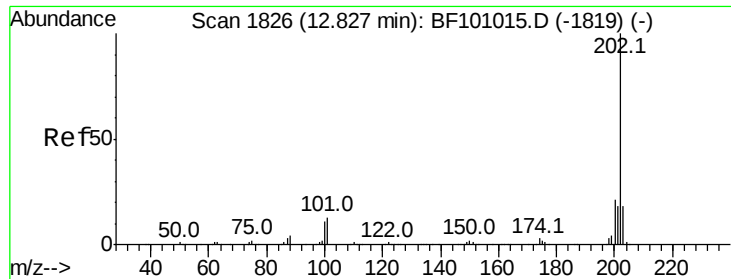


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

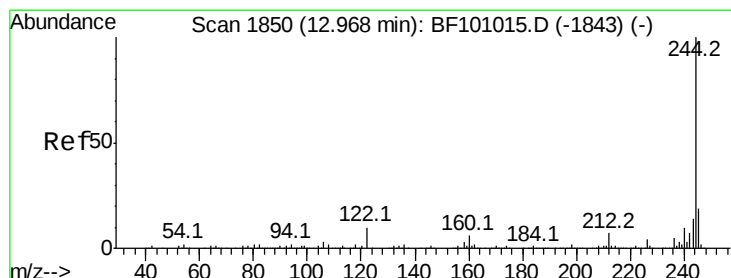
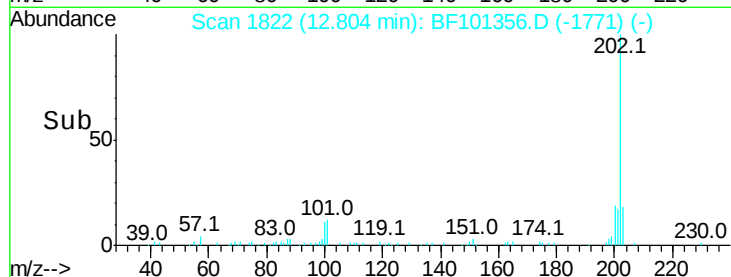
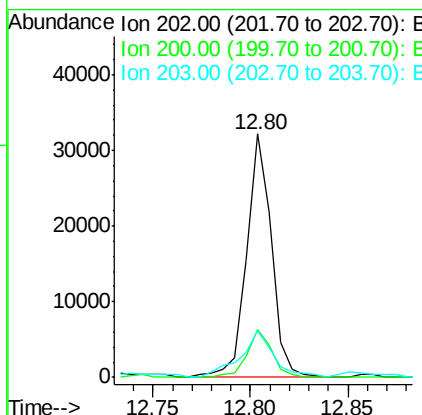
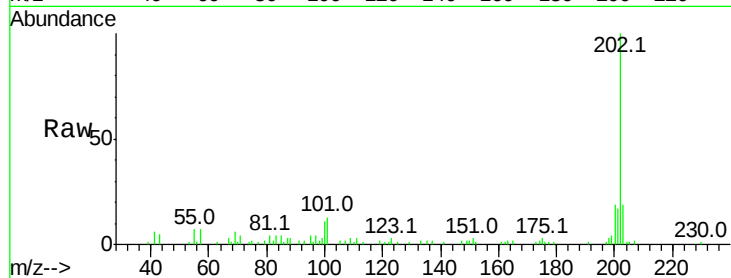




#77
 Pvrene
 Concen: 4.379 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: BF101356.D
 Acq: 13 Dec 2017 4:11

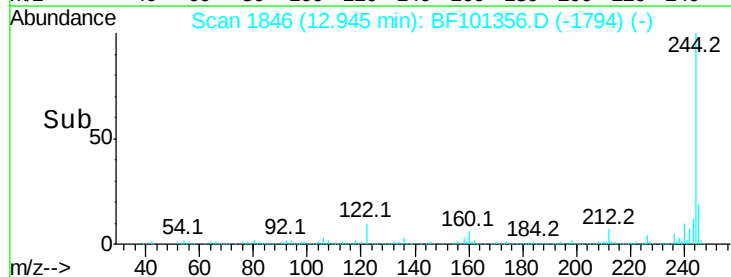
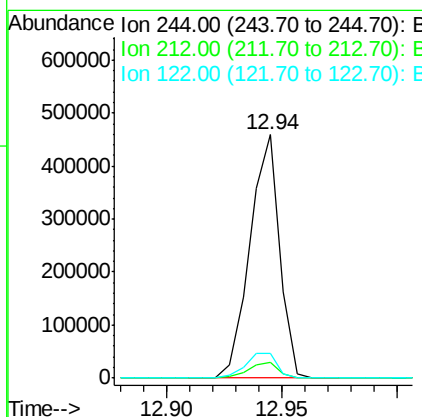
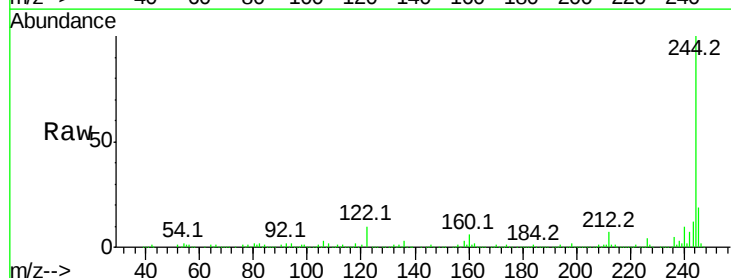
Instrument :
 BNA_F
 ClientSampleId :

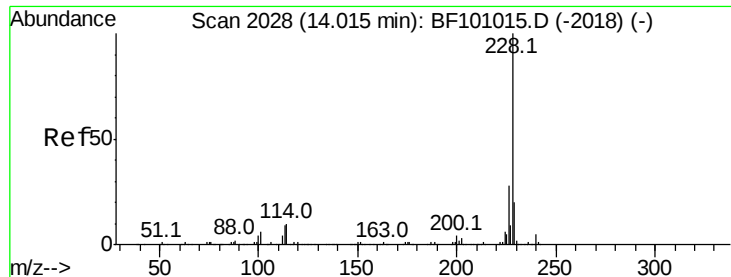
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.4	17.4	26.2
203	19.3	14.3	21.5



#78
 Terphenyl-d14
 Concen: 95.909 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: BF101356.D
 Acq: 13 Dec 2017 4:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.2	11.0	16.4





#80

Benzo(a)anthracene

Concen: 2.590 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Instrument :

BNA_F

ClientSampleId :

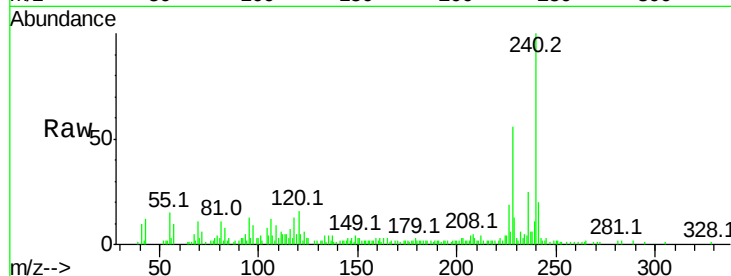
Tot Ion:228 Resp: 15404

Ion Ratio Lower Upper

228 100

226 33.8 22.6 33.8

229 22.9 15.8 23.6

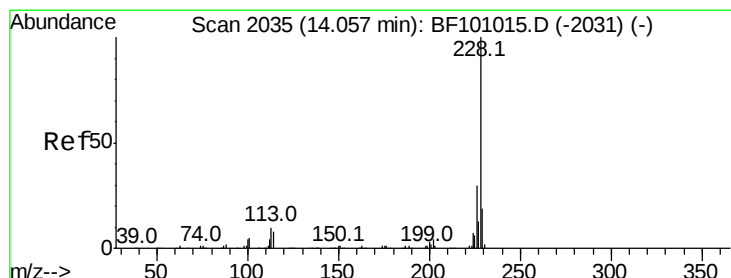
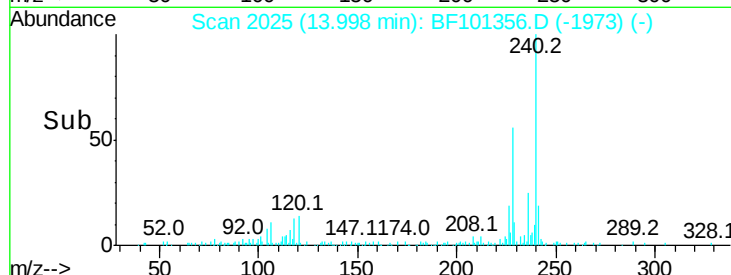
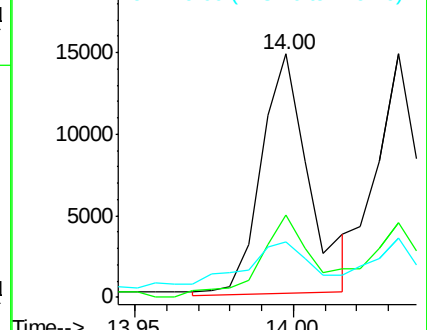


Abundance

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: 2.314 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

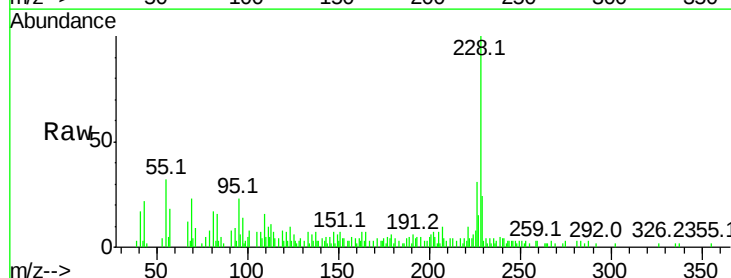
Tgt Ion:228 Resp: 12780

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

229 24.3 16.2 24.4

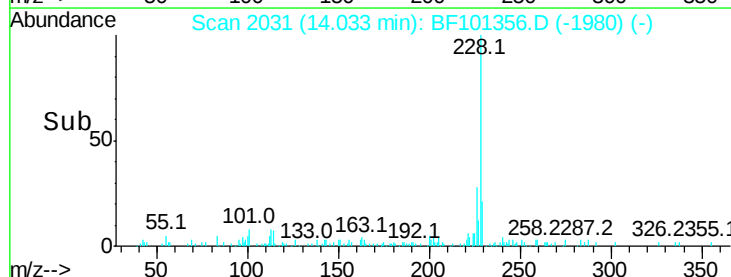
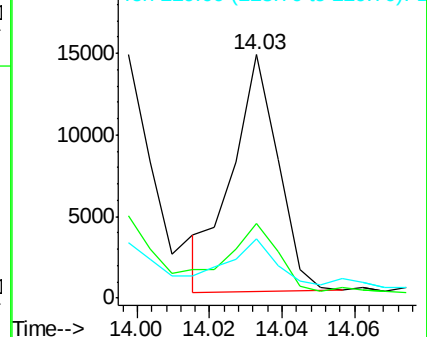


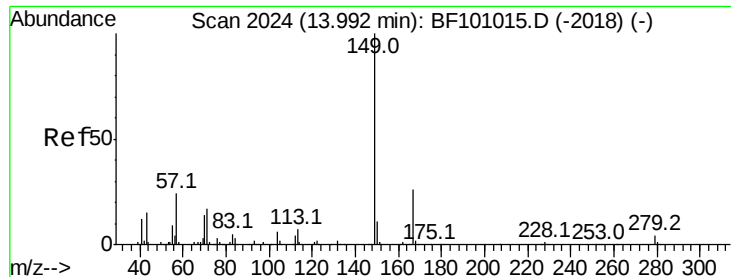
Abundance

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

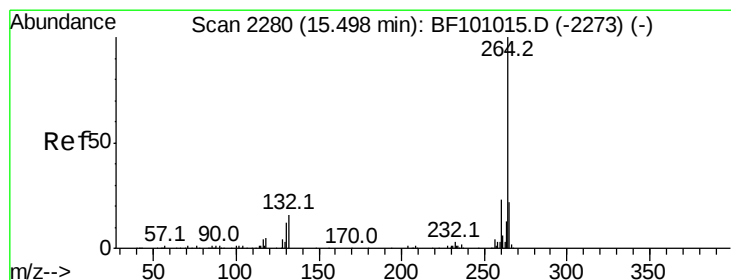
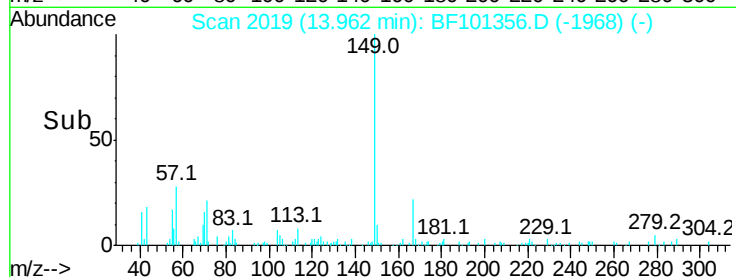
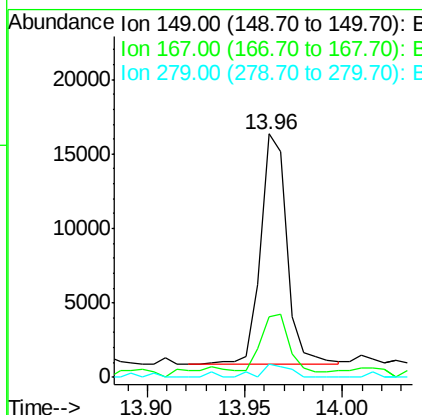
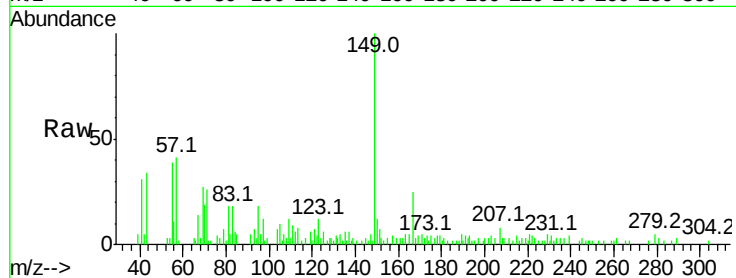




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.545 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.00 min
 Lab File: BF101356.D
 Acq: 13 Dec 2017 4:11

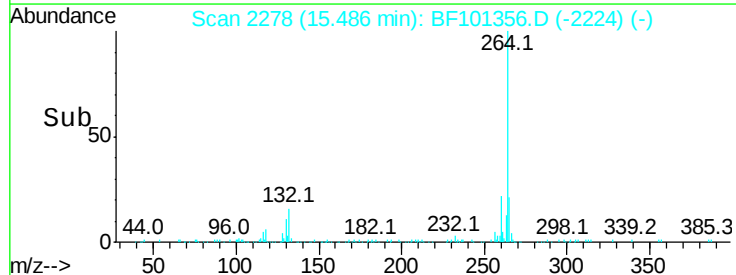
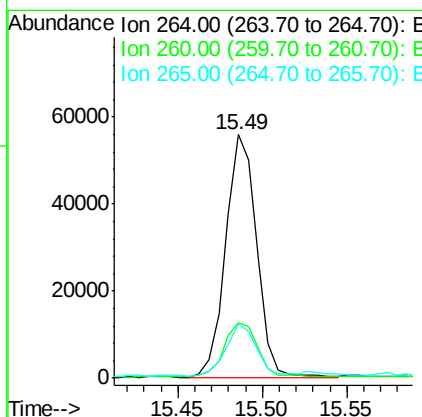
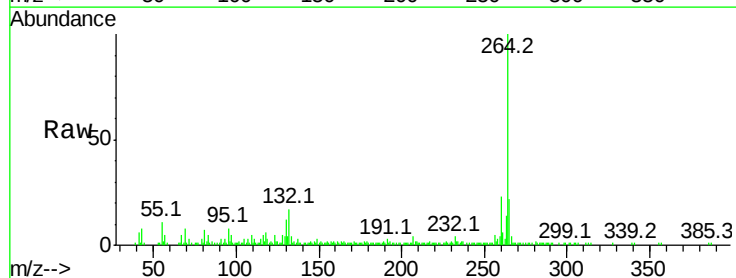
Instrument :
 BNA_F
 ClientSampleId :

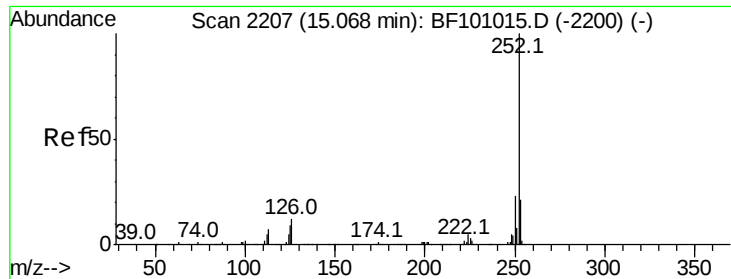
Tot Ion:149 Resp: 14484
 Ion Ratio Lower Upper
 149 100
 167 25.1 21.3 31.9
 279 5.2 3.0 4.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.02 min
 Lab File: BF101356.D
 Acq: 13 Dec 2017 4:11

Tgt Ion:264 Resp: 72019
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.2 28.8
 265 22.2 17.5 26.3

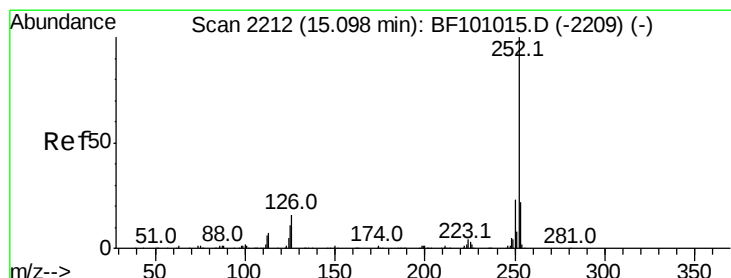
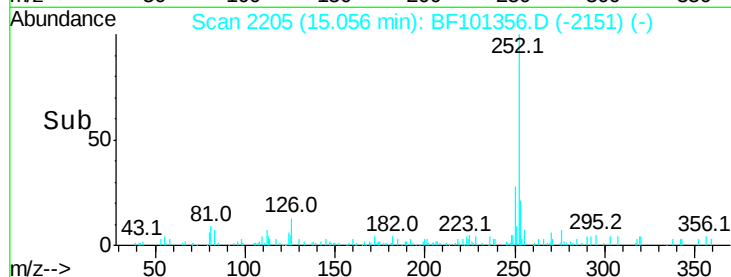
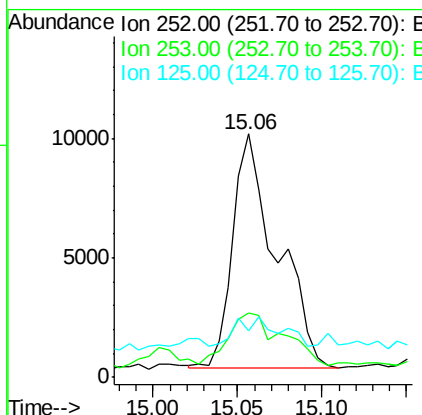
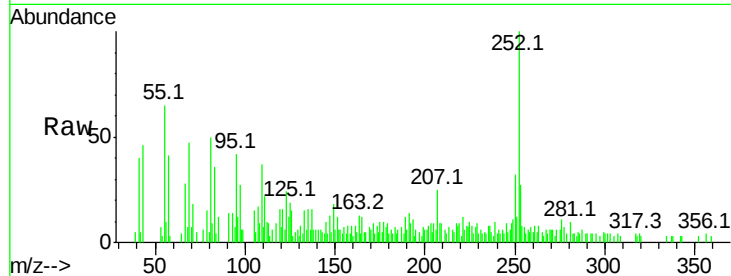




#87
Benzo(b)fluoranthene
Concen: 4.139 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

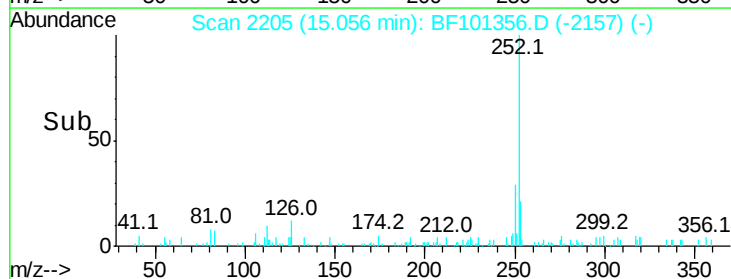
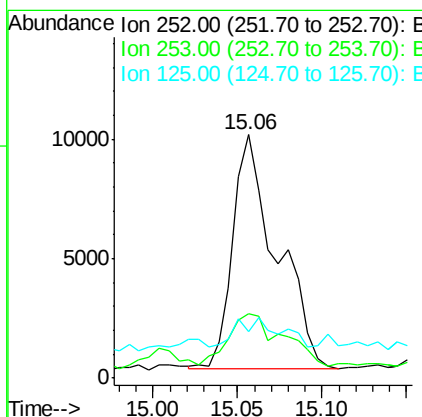
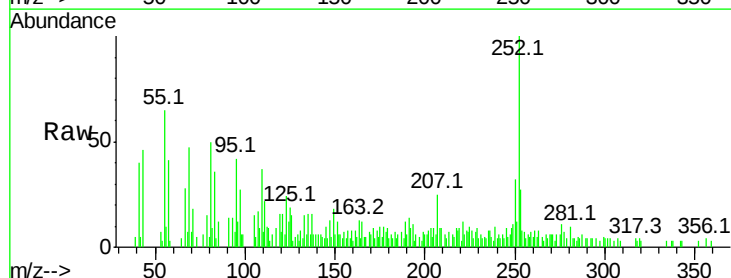
Instrument :
BNA_F
ClientSampleId :

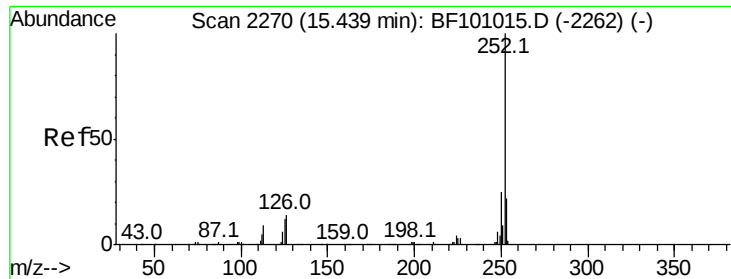
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.0	25.6#
125	19.2	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 4.201 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF101356.D
Acq: 13 Dec 2017 4:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.9	26.9
125	19.2	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 2.920 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

Instrument :

BNA_F

ClientSampleId :

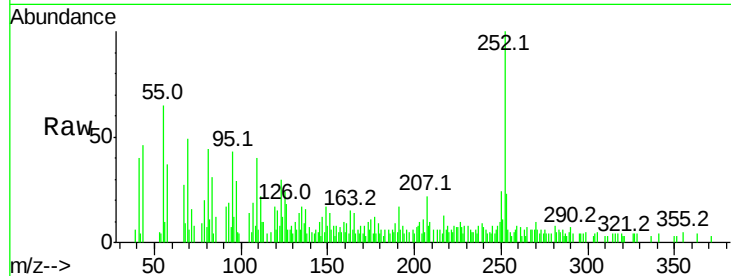
Tot Ion:252 Resp: 11450

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

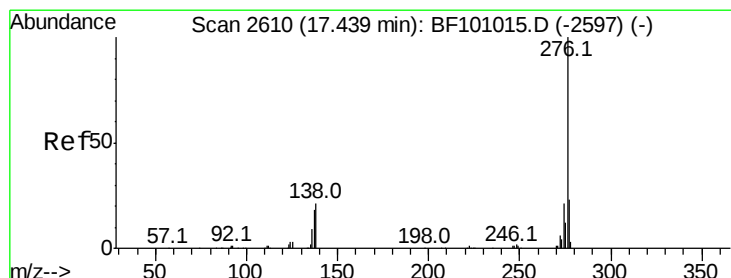
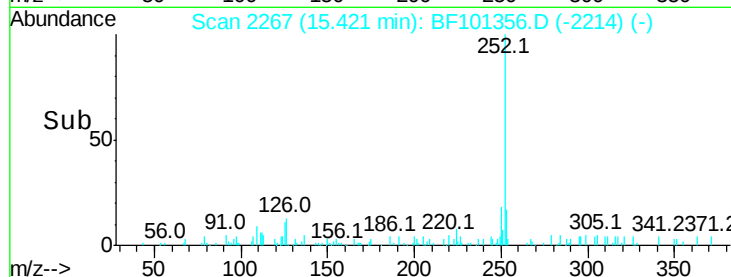
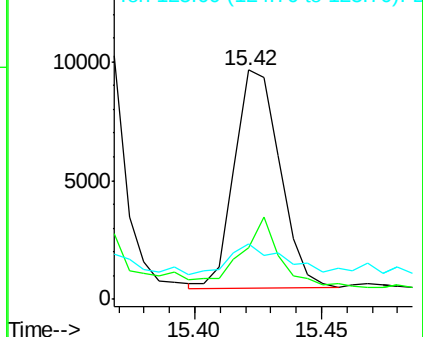
125 24.2 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 7.003 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.04 min

Lab File: BF101356.D

Acq: 13 Dec 2017 4:11

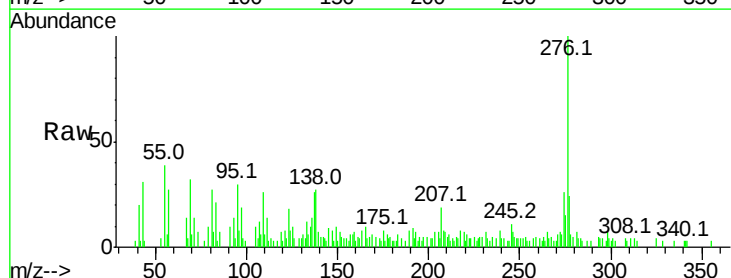
Tgt Ion:276 Resp: 22818

Ion Ratio Lower Upper

276 100

277 24.4 17.9 26.9

138 27.3 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

