

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
 Data File : BF103312.D
 Acq On : 28 Feb 2018 23:51
 Operator : SJ/JU
 Sample : J1721-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 01:19:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	145285	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	597615	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	221324	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	307727	20.00	ng	0.00
75) Chrysene-d12	14.05	240	234441	20.00	ng	0.00
86) Perylene-d12	15.56	264	198768	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	960917	100.03	ng	0.00
7) Phenol-d6	6.51	99	1164686	99.08	ng	0.00
23) Nitrobenzene-d5	7.44	82	753587	72.01	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	152954	81.65	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1037495	79.51	ng	0.00
78) Terphenyl-d14	12.99	244	608140	62.36	ng	0.00

Target Compounds

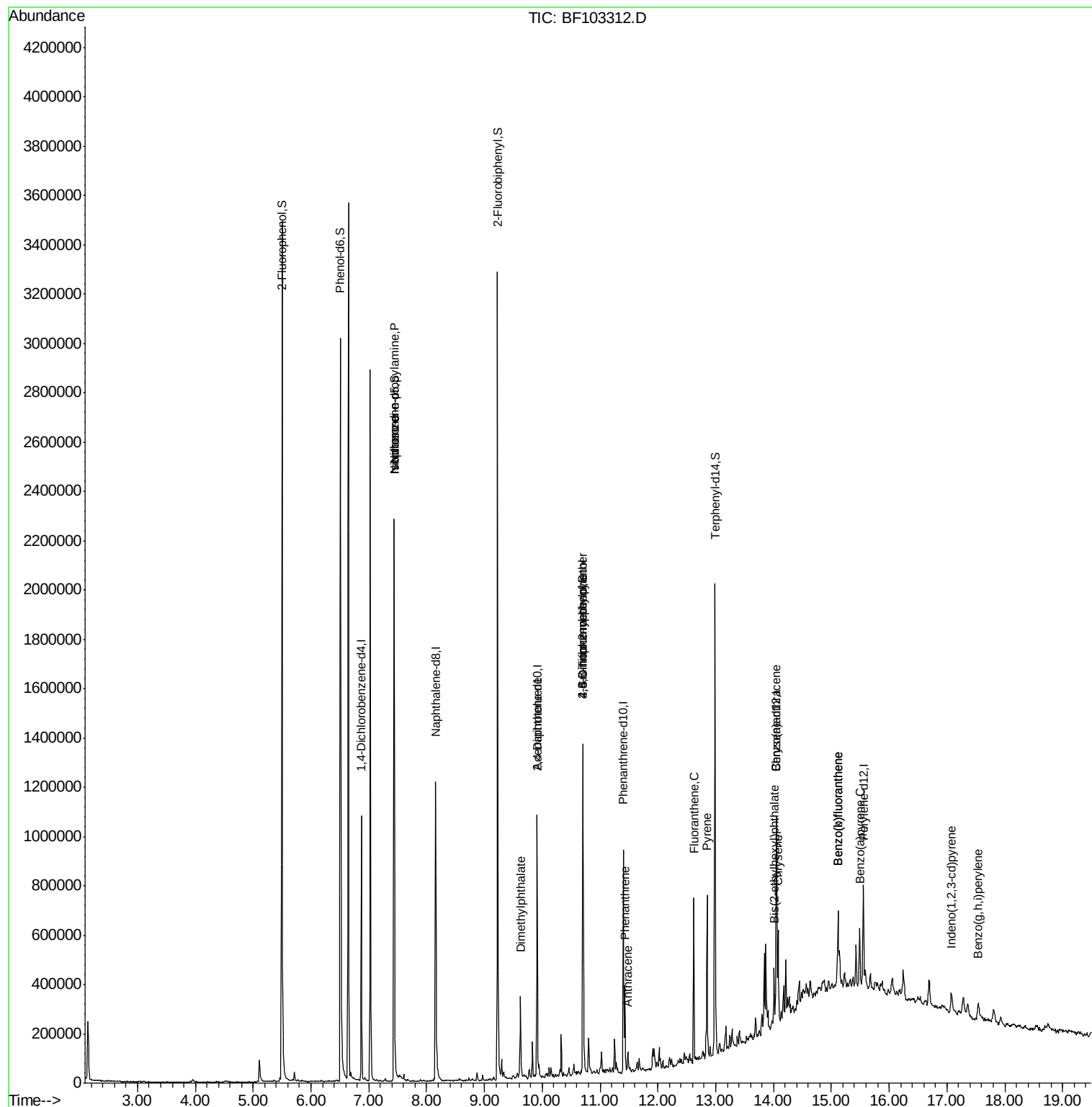
						Qvalue
9) Benzaldehyde	6.43	77	1317	Below Cal	#	74
19) n-Nitroso-di-n-propylamine	7.44	70	102589	14.023 ng	#	86
25) Isophorone	7.44	82	753582	36.564 ng	#	64
49) Dimethylphthalate	9.62	163	118957	6.700 ng		100
56) 2,4-Dinitrotoluene	9.91	165	28801	6.112 ng	#	22
64) 4,6-Dinitro-2-methylphenol	10.70	198	411	5.142 ng	#	1
66) 4-Bromophenyl-phenylether	10.70	248	10221	3.188 ng	#	1
70) Phenanthrene	11.43	178	116585	6.884 ng		98
71) Anthracene	11.48	178	34858	2.007 ng		97
74) Fluoranthene	12.62	202	244999	14.396 ng		99
77) Pyrene	12.85	202	240019	13.131 ng		98
80) Benzo(a)anthracene	14.04	228	142694	9.381 ng		99
82) Chrysene	14.08	228	147386	9.979 ng		98
83) Bis(2-ethylhexyl)phthalate	14.01	149	56502	4.336 ng		98
85) Indeno(1,2,3-cd)pyrene	17.07	276	48267	4.128 ng		97
87) Benzo(b)fluoranthene	15.12	252	215516	16.491 ng	#	91
88) Benzo(k)fluoranthene	15.12	252	215516	17.513 ng	#	94
89) Benzo(a)pyrene	15.49	252	105852	9.070 ng	#	94
91) Benzo(a,h,i)perylene	17.54	276	47525	5.392 ng		94

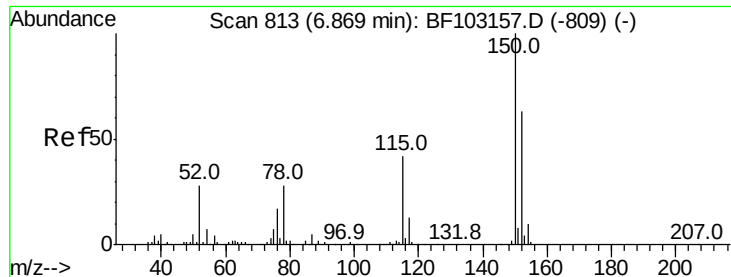
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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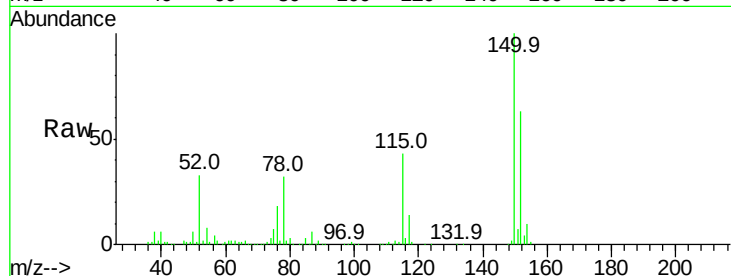


#1

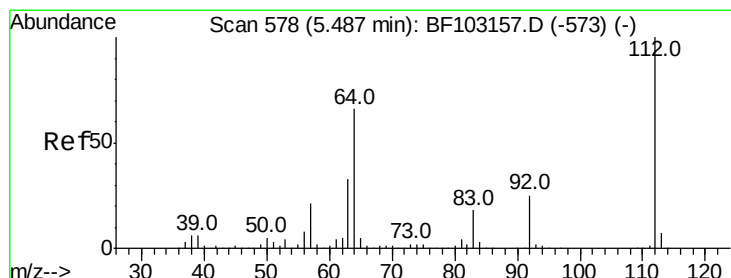
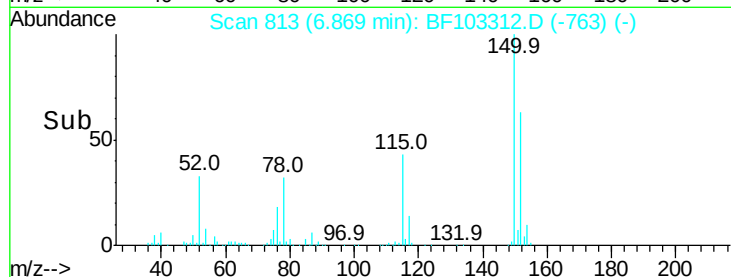
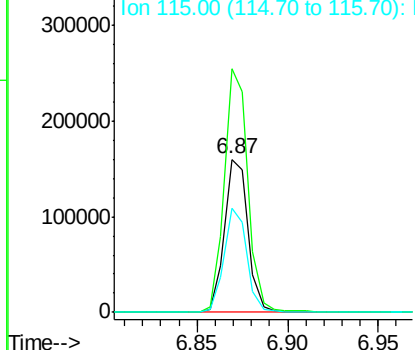
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF103312.D
Acq: 28 Feb 2018 23:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	67.6	50.1	75.1



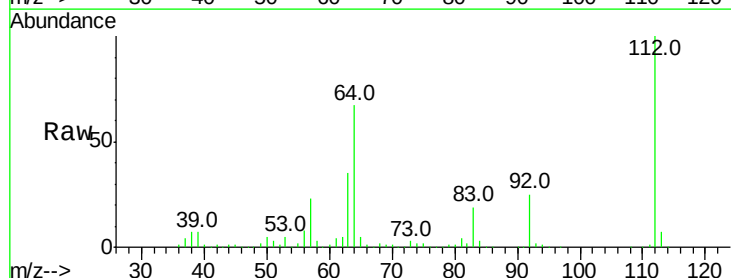
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



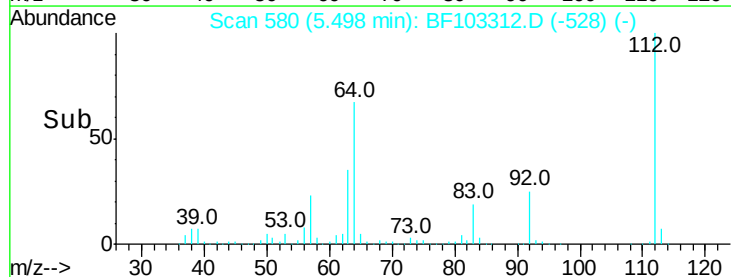
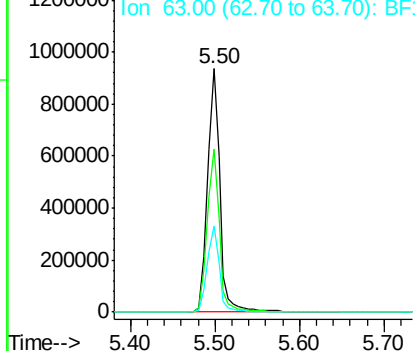
#5

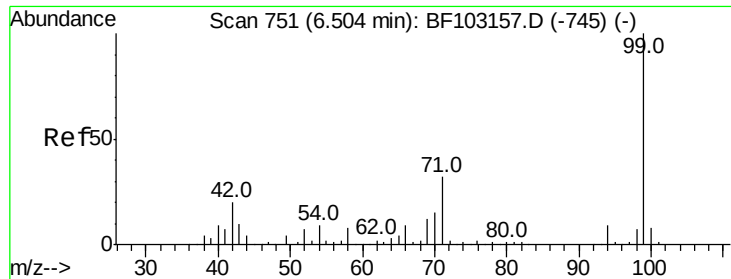
2-Fluorophenol
Concen: 100.032 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103312.D
Acq: 28 Feb 2018 23:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	47.9	71.9
63	35.4	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: 99.085 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103312.D

Acq: 28 Feb 2018 23:51

Instrument :

BNA_F

ClientSampleId :

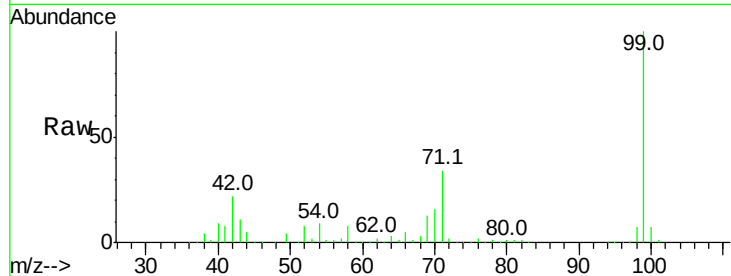
Tot Ion: 99 Resp: 1164686

Ion Ratio Lower Upper

99 100

42 22.1 14.5 21.7#

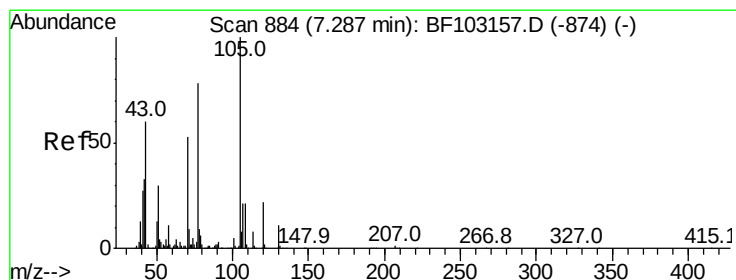
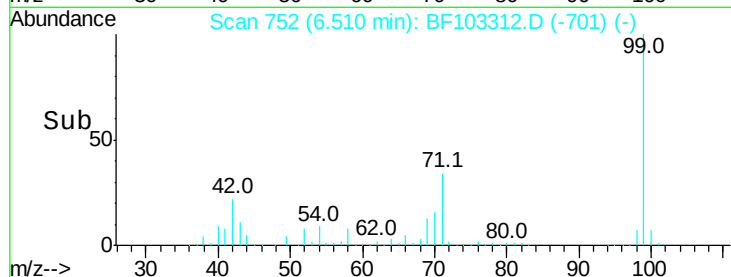
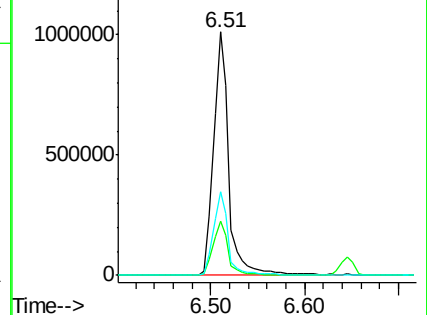
71 34.2 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.023 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103312.D

Acq: 28 Feb 2018 23:51

Tgt Ion: 70 Resp: 102589

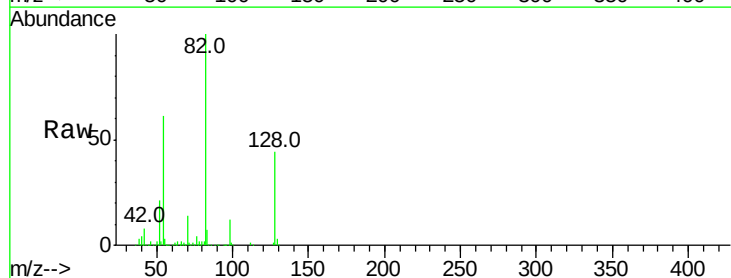
Ion Ratio Lower Upper

70 100

42 56.9 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

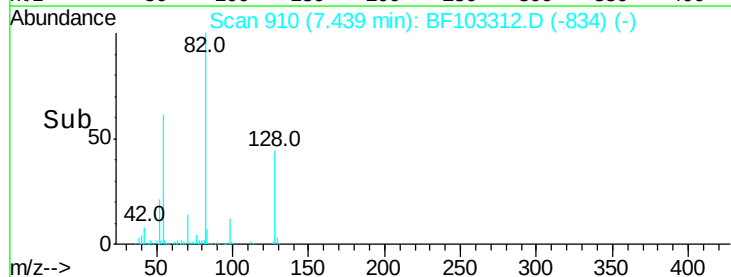
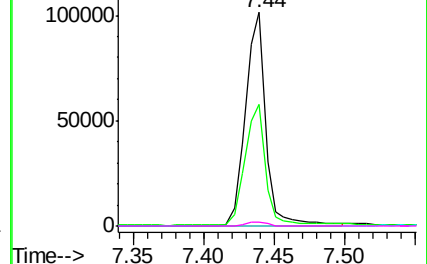


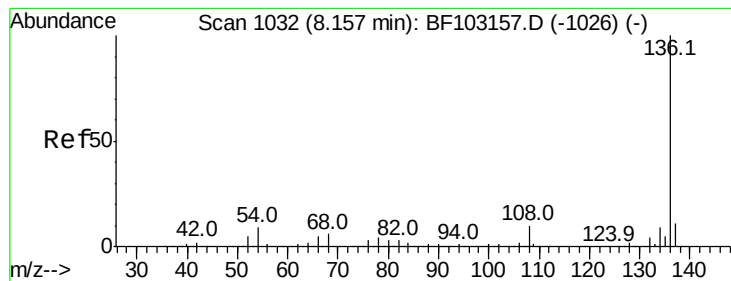
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103312.D

Acq: 28 Feb 2018 23:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 597615

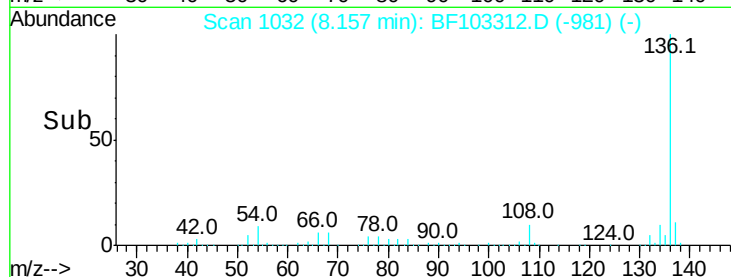
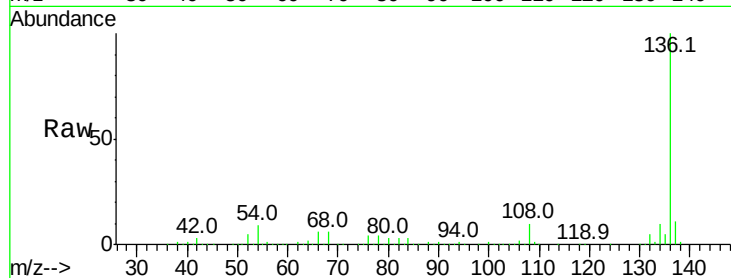
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.9 6.6 9.8

68 6.3 5.0 7.4

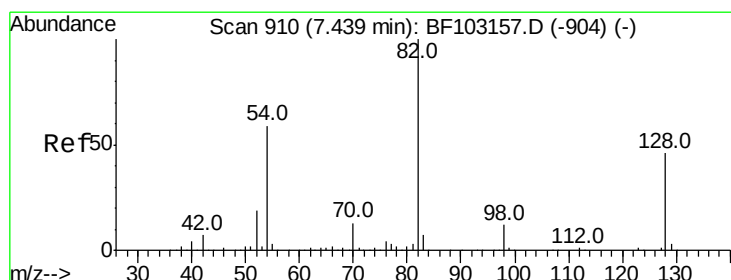
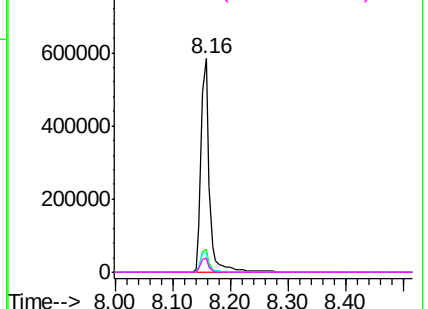


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 72.013 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103312.D

Acq: 28 Feb 2018 23:51

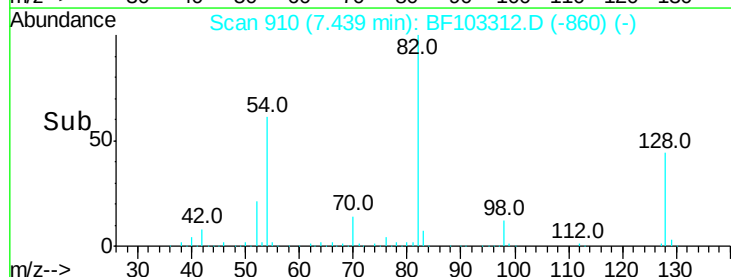
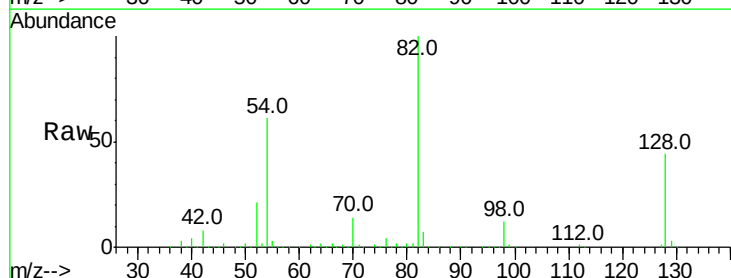
Tgt Ion: 82 Resp: 753587

Ion Ratio Lower Upper

82 100

128 43.8 36.1 54.1

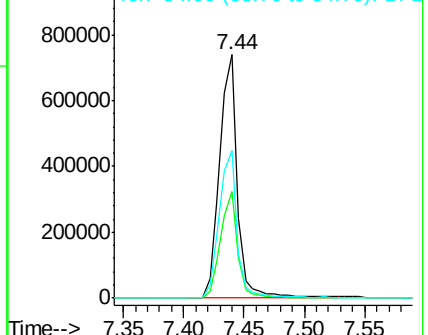
54 60.8 41.4 62.2

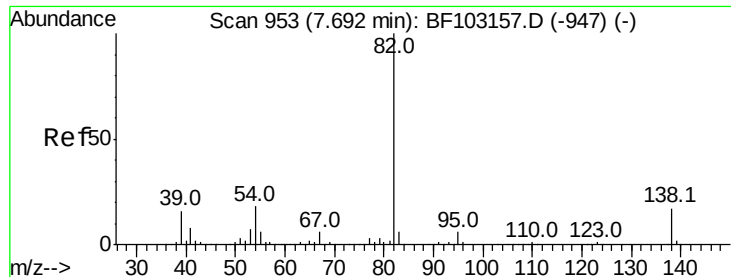


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.564 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103312.D

Acq: 28 Feb 2018 23:51

Instrument :

BNA_F

ClientSampled :

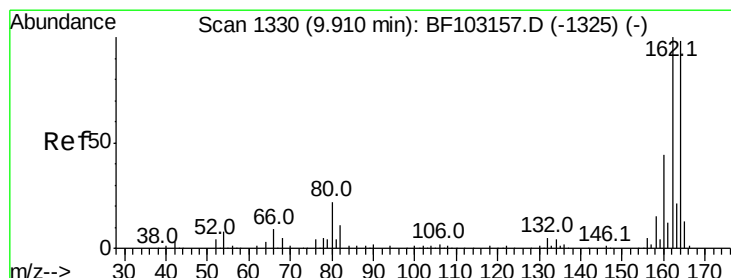
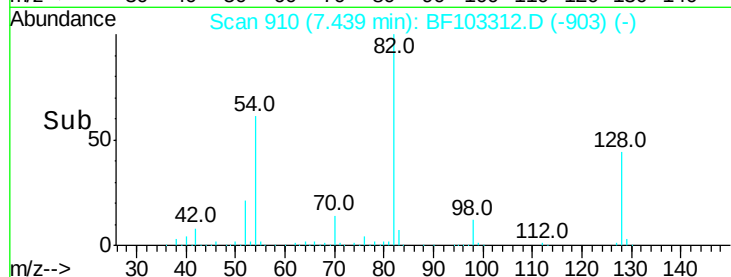
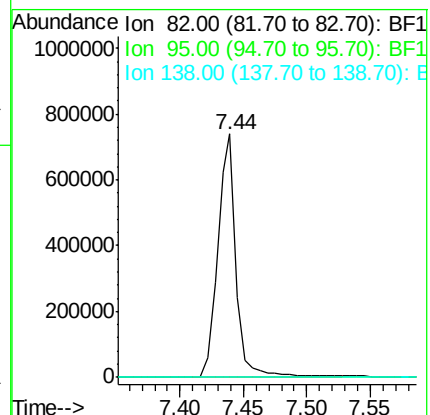
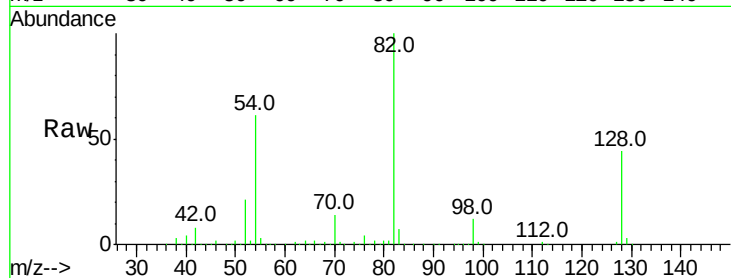
Tot Ion: 82 Resp: 753582

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103312.D

Acq: 28 Feb 2018 23:51

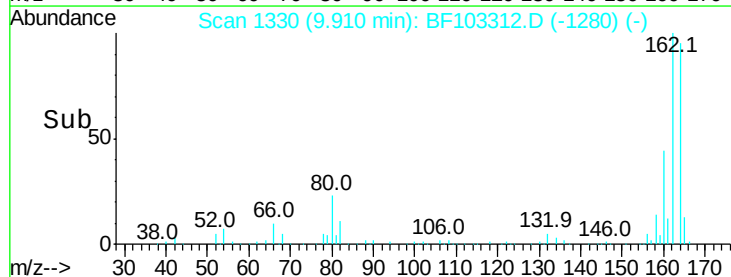
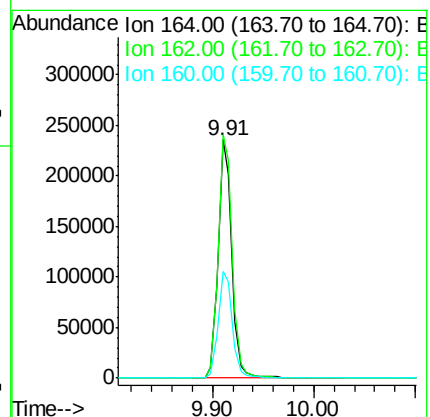
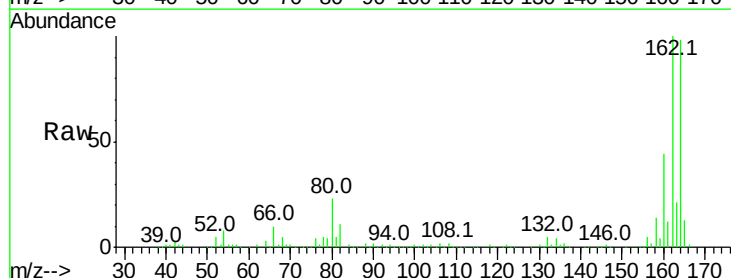
Tgt Ion: 164 Resp: 221324

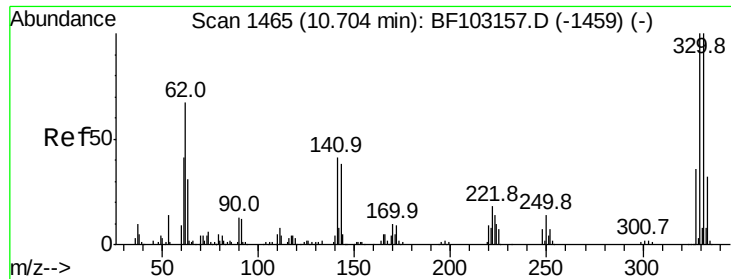
Ion Ratio Lower Upper

164 100

162 102.2 86.1 129.1

160 45.0 38.3 57.5

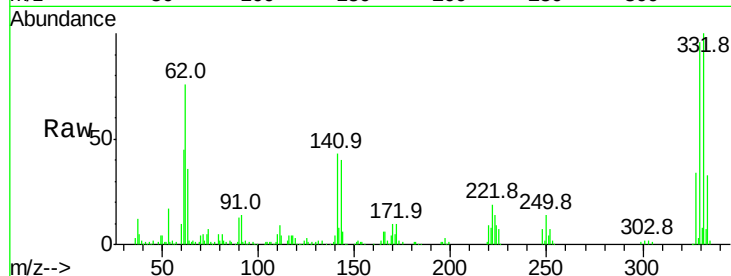




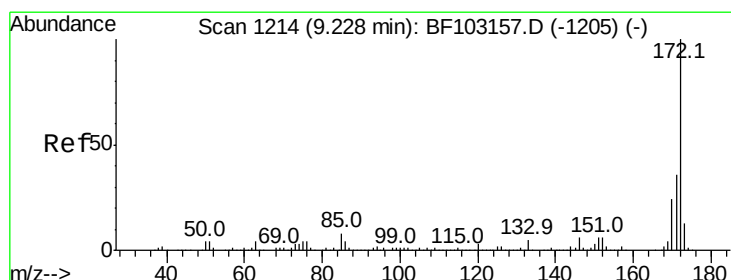
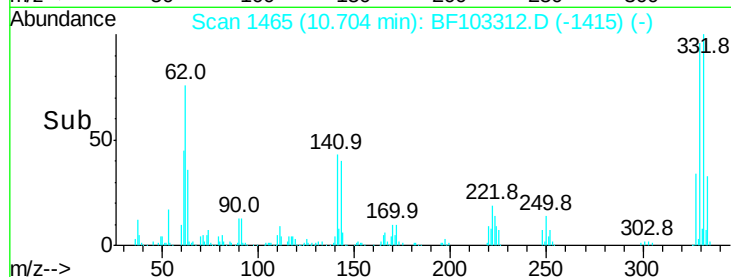
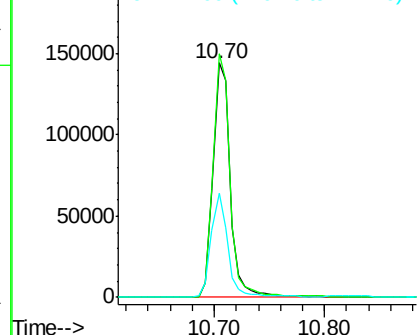
#41
 2,4,6-Tribromophenol
 Concen: 81.646 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103312.D
 Acq: 28 Feb 2018 23:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.5	77.0	115.6
141	44.0	29.9	44.9

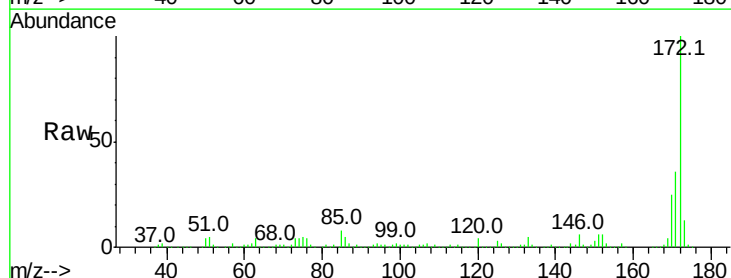


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

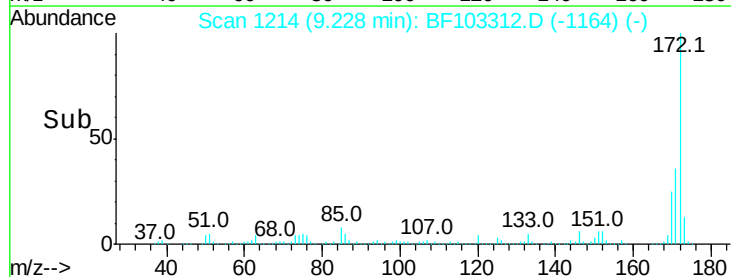
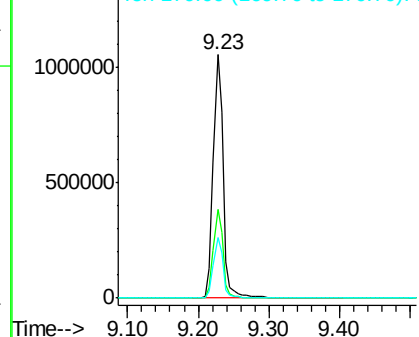


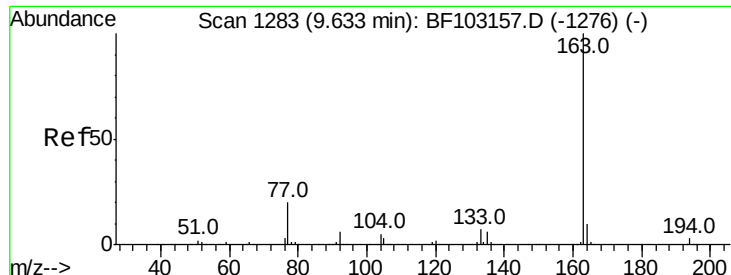
#44
 2-Fluorobiphenyl
 Concen: 79.509 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103312.D
 Acq: 28 Feb 2018 23:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.7	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

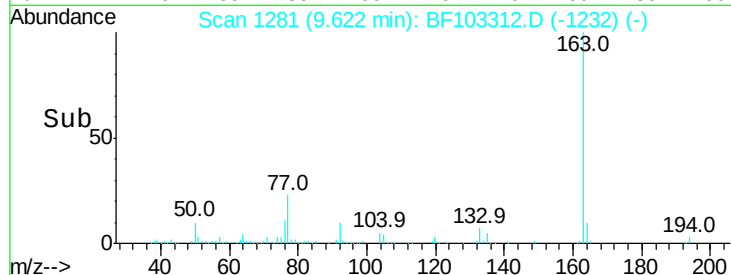
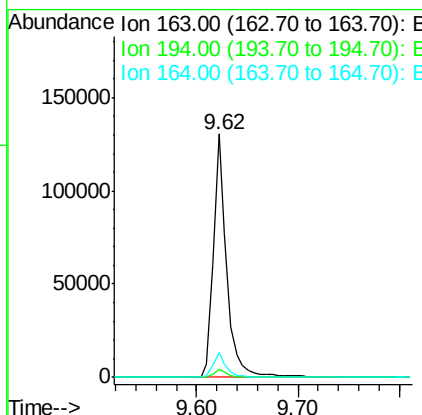
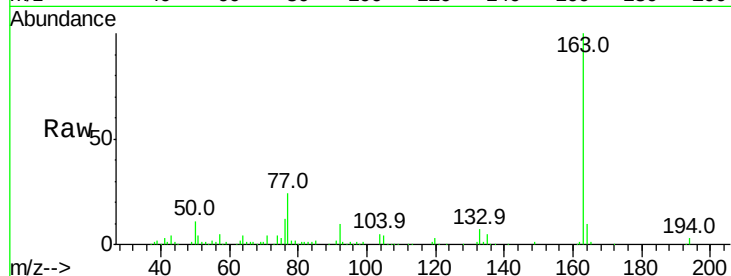




#49
Dimethylphthalate
Concen: 6.700 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103312.D
Acq: 28 Feb 2018 23:51

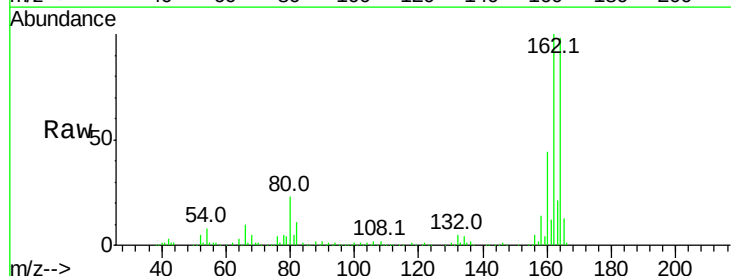
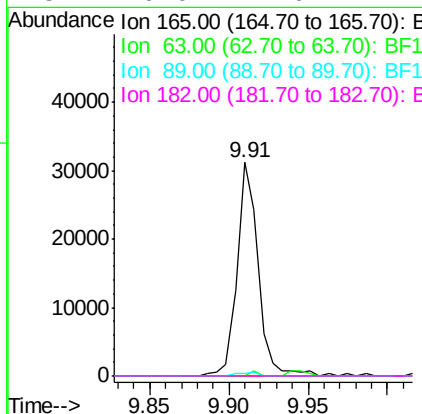
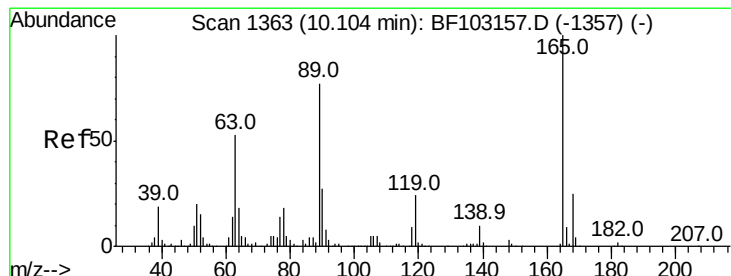
Instrument :
BNA_F
ClientSampleId :

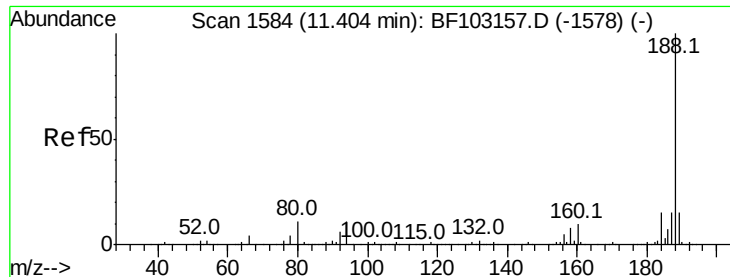
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.3	8.2	12.2



#56
2,4-Dinitrotoluene
Concen: 6.112 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.20 min
Lab File: BF103312.D
Acq: 28 Feb 2018 23:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.0	57.8	86.6#
182	0.0	1.6	2.4#

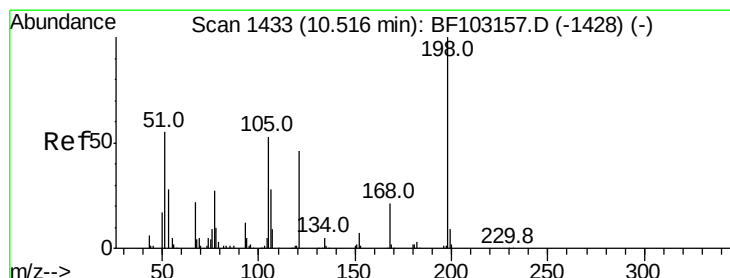
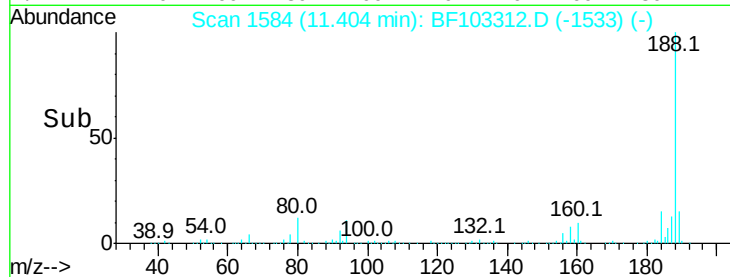
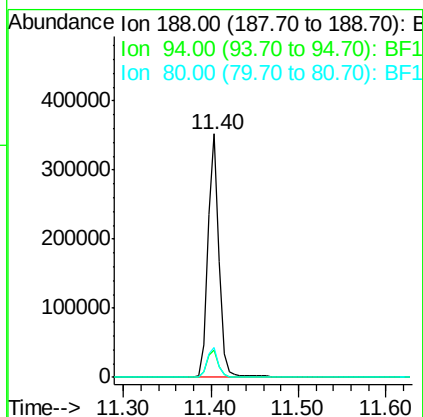
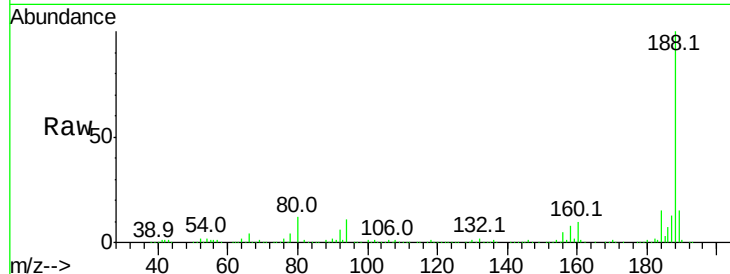




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF103312.D
 Acq: 28 Feb 2018 23:51

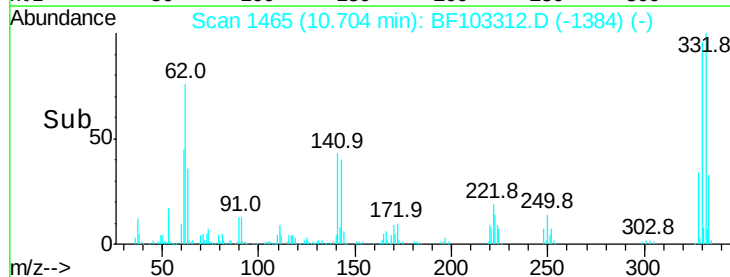
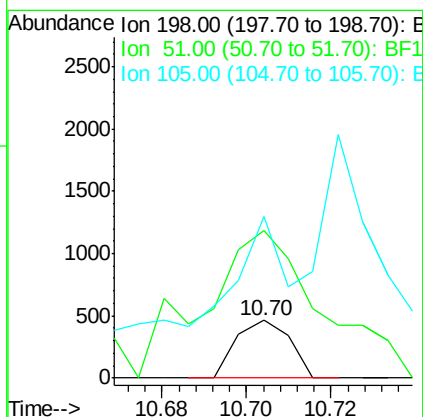
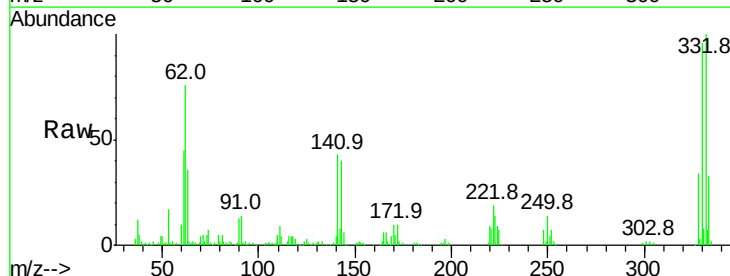
Instrument :
 BNA_F
 ClientSampleId :

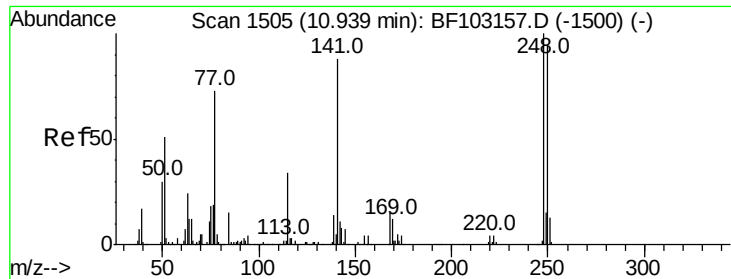
Tot Ion:188 Resp: 307727
 Ion Ratio Lower Upper
 188 100
 94 11.3 8.5 12.7
 80 12.3 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.142 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF103312.D
 Acq: 28 Feb 2018 23:51

Tgt Ion:198 Resp: 411
 Ion Ratio Lower Upper
 198 100
 51 255.7 37.7 77.7#
 105 278.5 36.3 76.3#

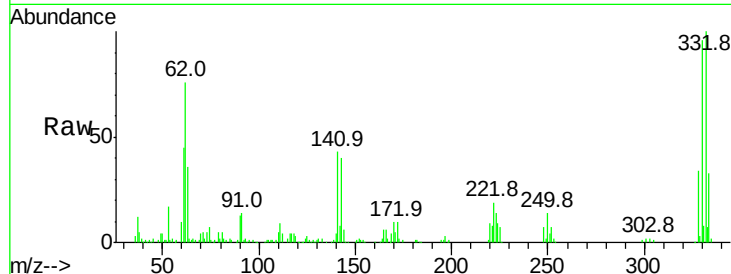




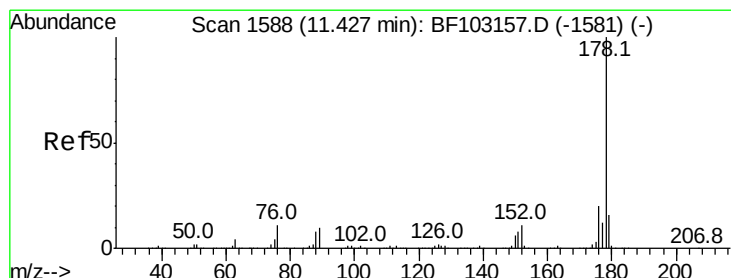
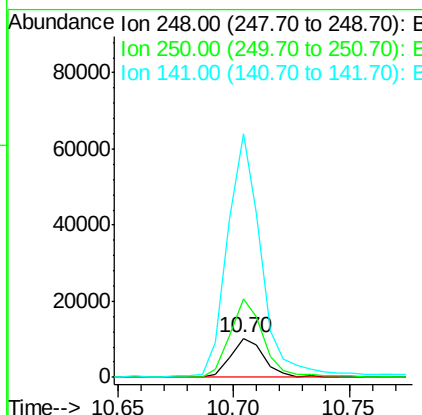
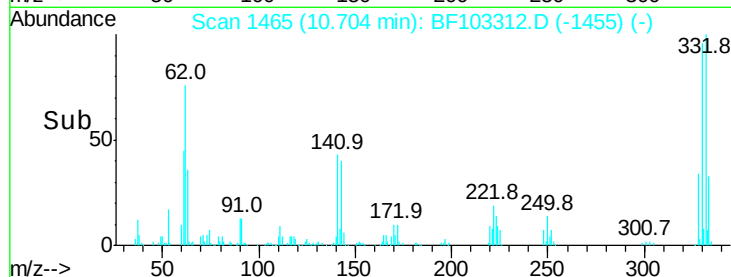
#66
 4-Bromophenyl-phenylether
 Concen: 3.188 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.24 min
 Lab File: BF103312.D
 Acq: 28 Feb 2018 23:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10221
 Ion Ratio Lower Upper
 248 100
 250 201.2 76.9 115.3#
 141 621.4 74.4 111.6#

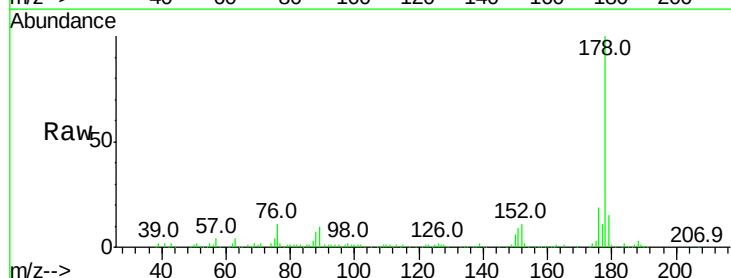


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

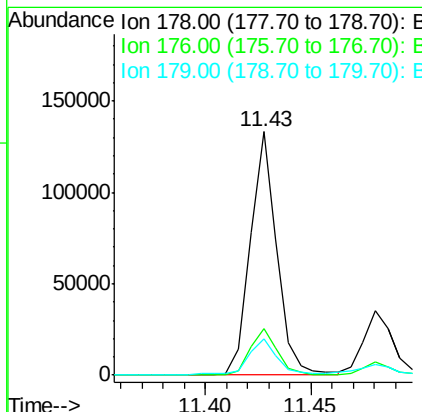
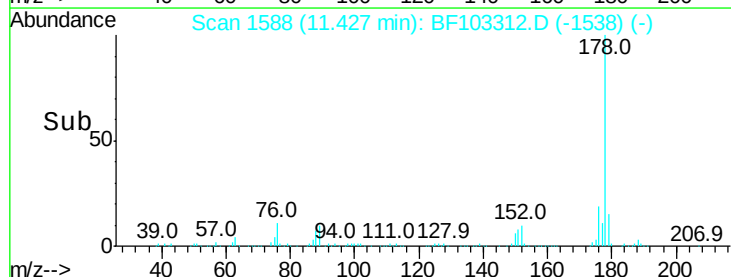


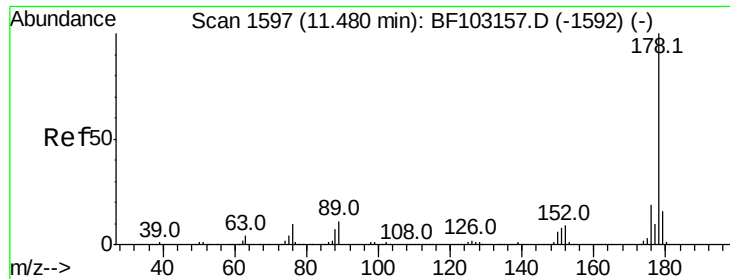
#70
 Phenanthrene
 Concen: 6.884 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF103312.D
 Acq: 28 Feb 2018 23:51

Tgt Ion:178 Resp: 116585
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 15.1 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

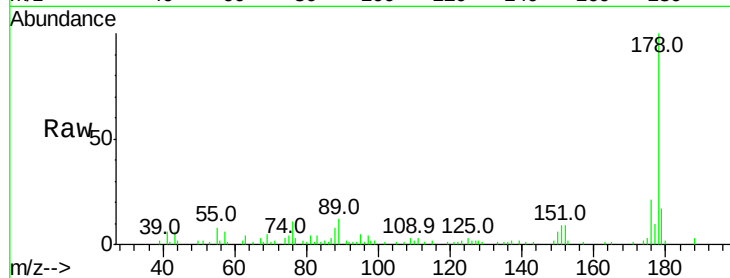




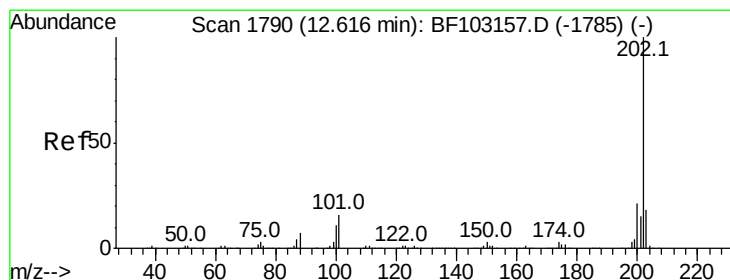
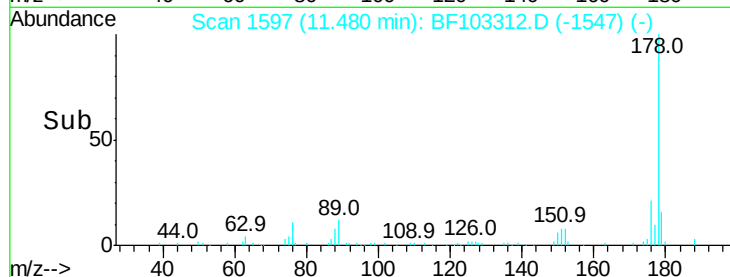
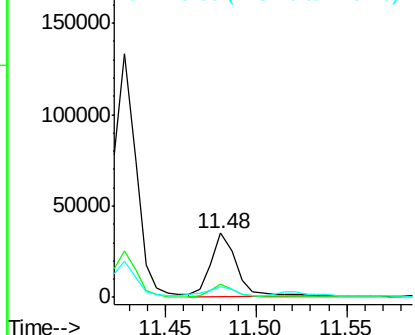
#71
 Anthracene
 Concen: 2.007 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF103312.D
 Acq: 28 Feb 2018 23:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 34858
 Ion Ratio Lower Upper
 178 100
 176 20.8 15.4 23.2
 179 17.3 12.6 19.0

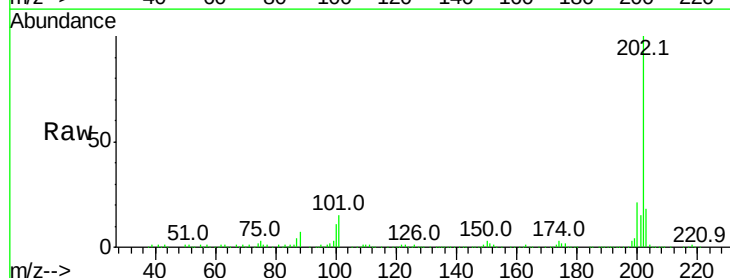


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

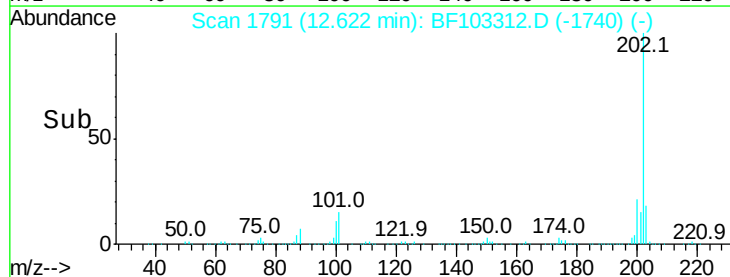
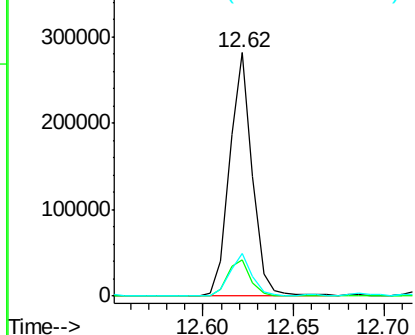


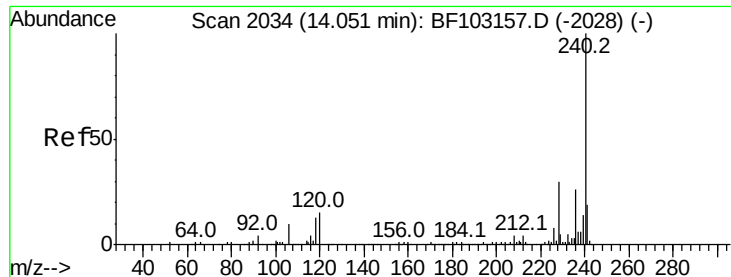
#74
 Fluoranthene
 Concen: 14.396 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: BF103312.D
 Acq: 28 Feb 2018 23:51

Tgt Ion:202 Resp: 244999
 Ion Ratio Lower Upper
 202 100
 101 14.8 0.0 34.1
 203 17.8 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. -0.01 min

Lab File: BF103312.D

Acq: 28 Feb 2018 23:51

Instrument :

BNA_F

ClientSampleId :

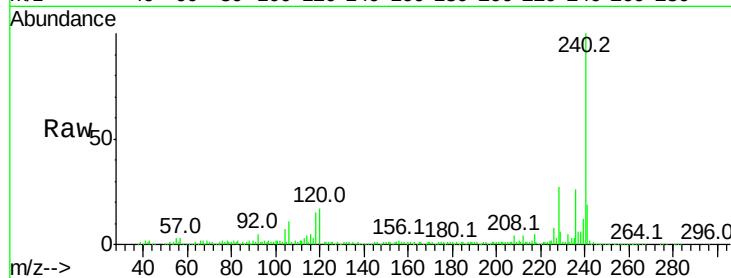
Tot Ion:240 Resp: 234441

Ion Ratio Lower Upper

240 100

120 16.9 9.5 14.3#

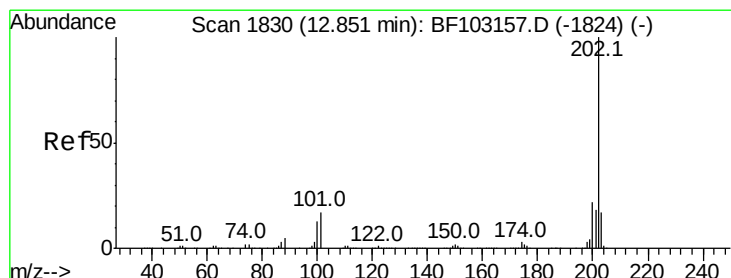
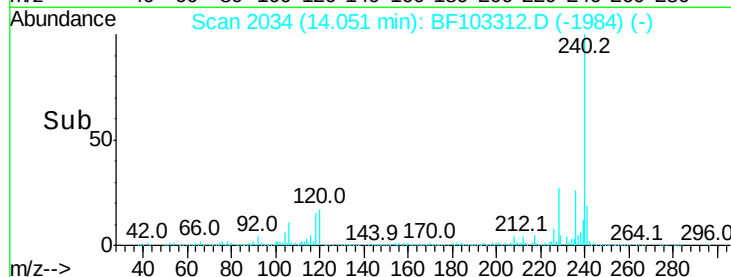
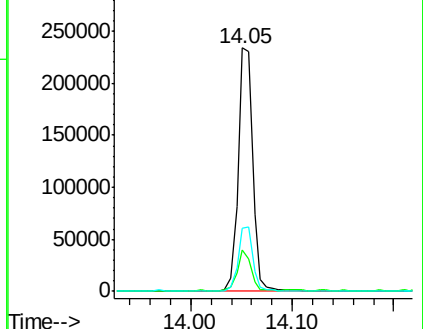
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 13.131 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103312.D

Acq: 28 Feb 2018 23:51

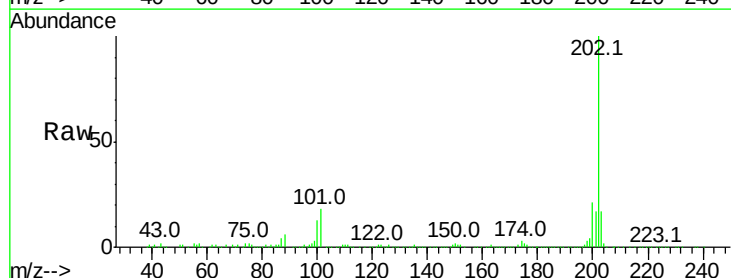
Tgt Ion:202 Resp: 240019

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

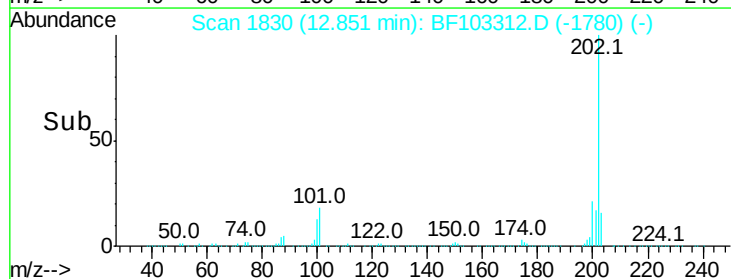
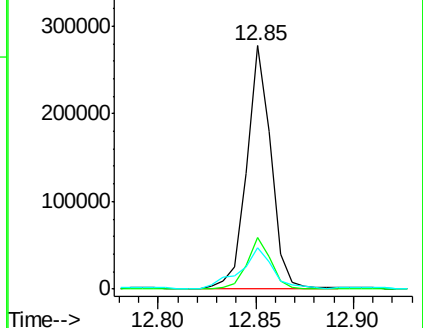
203 16.8 14.3 21.5

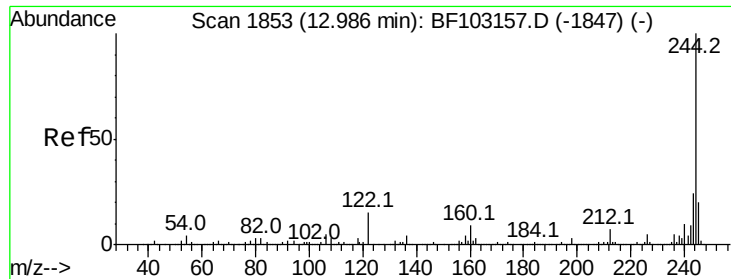


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 62.356 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103312.D

Acq: 28 Feb 2018 23:51

Instrument :

BNA_F

ClientSampleId :

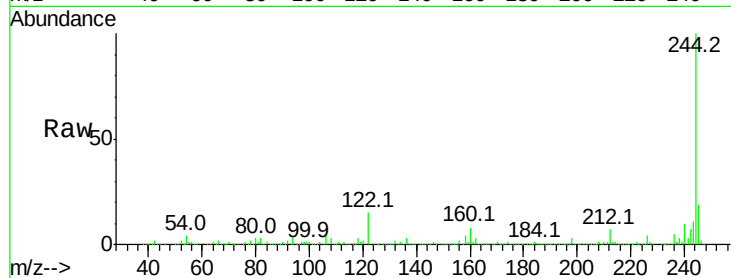
Tot Ion:244 Resp: 608140

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

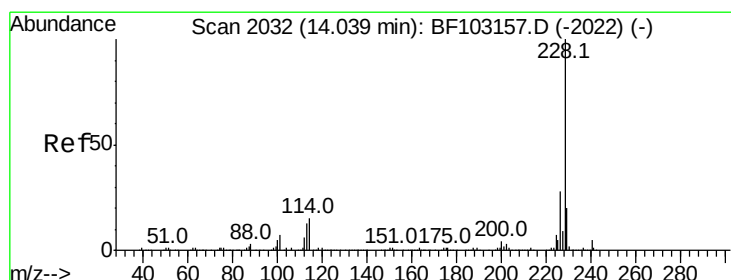
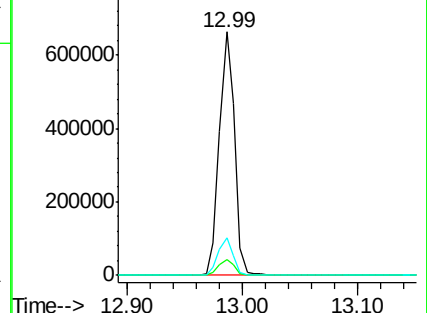
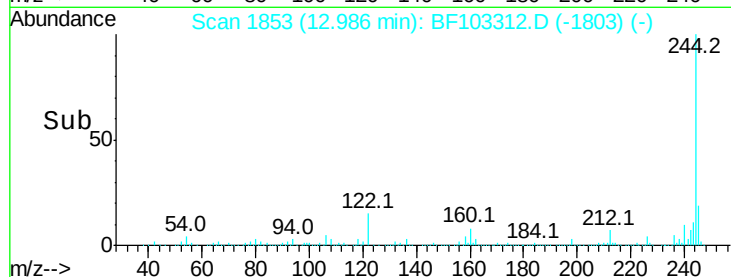
122 15.3 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 9.381 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF103312.D

Acq: 28 Feb 2018 23:51

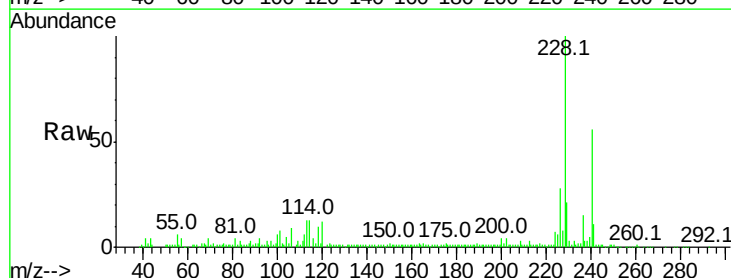
Tgt Ion:228 Resp: 142694

Ion Ratio Lower Upper

228 100

226 27.8 22.6 33.8

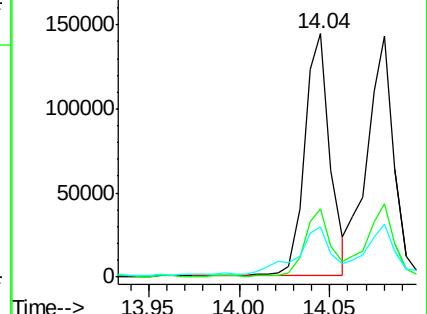
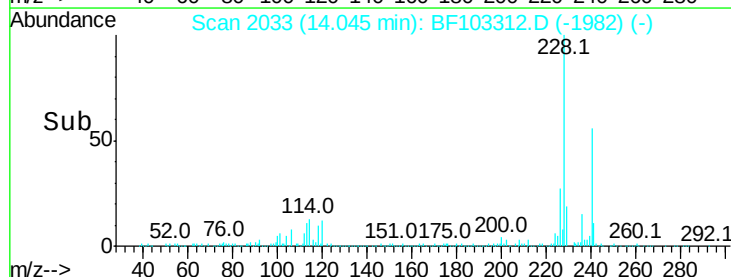
229 20.7 15.8 23.6

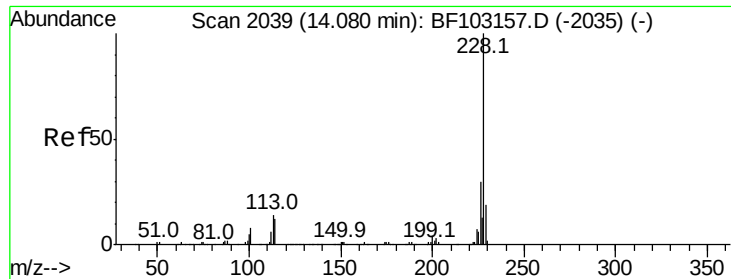


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

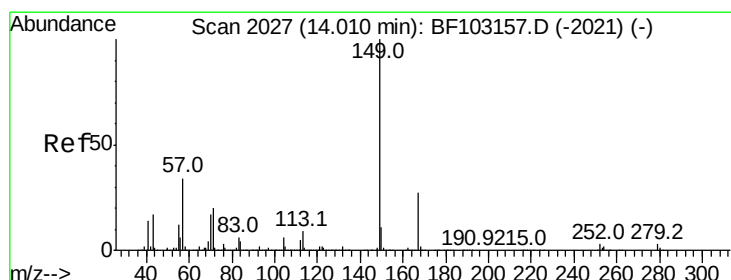
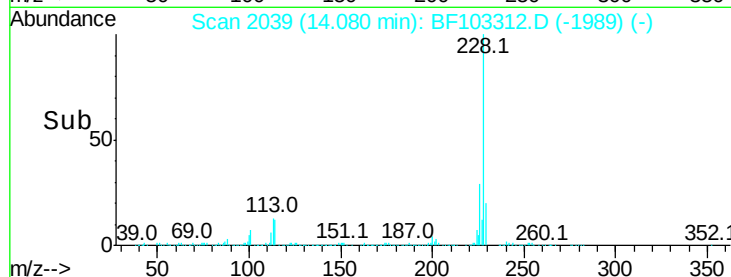
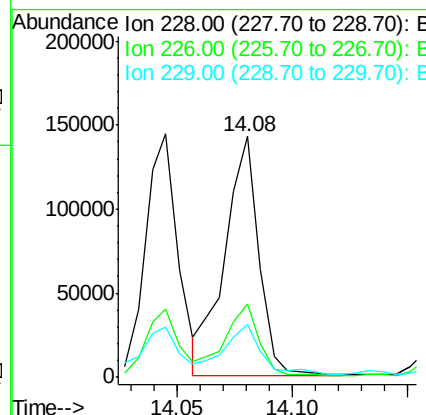
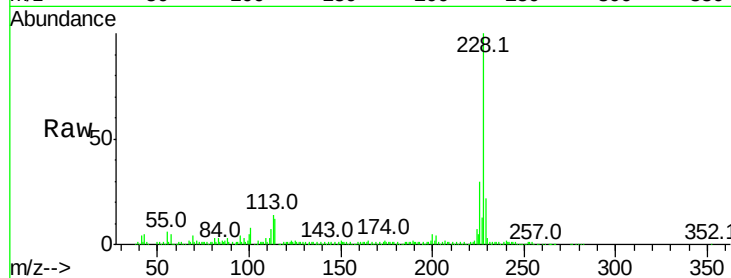




#82
 Chrysene
 Concen: 9.979 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. -0.01 min
 Lab File: BF103312.D
 Acq: 28 Feb 2018 23:51

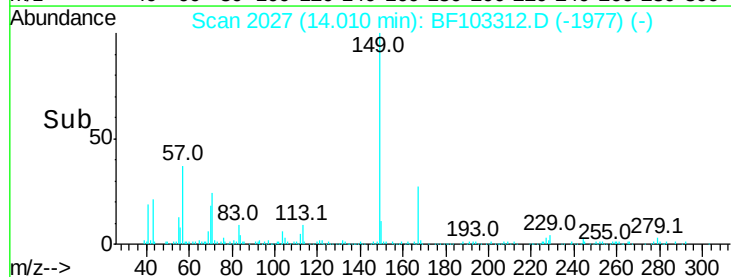
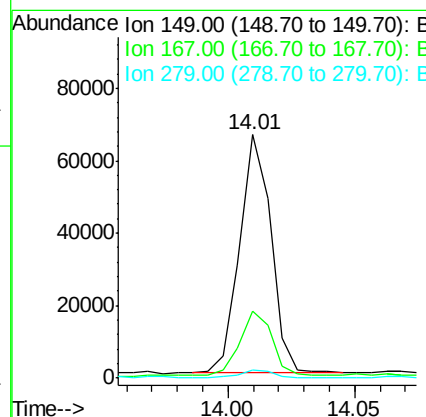
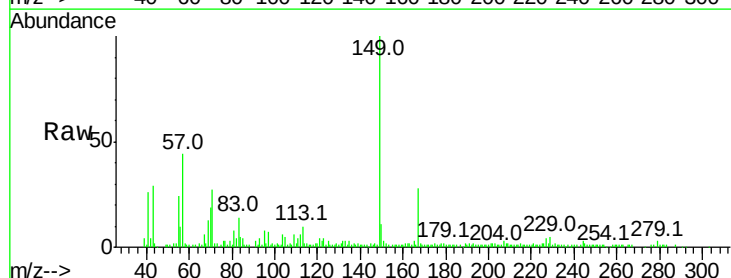
Instrument :
 BNA_F
 ClientSampleId :

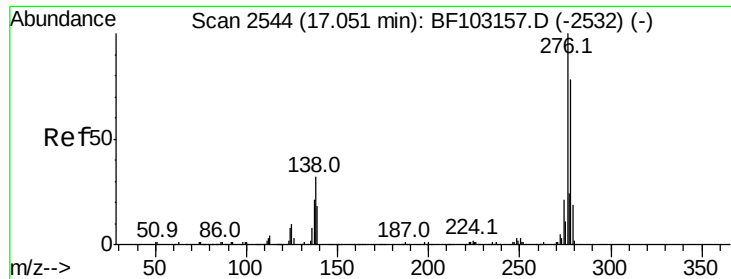
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	21.9	16.2	24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.336 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF103312.D
 Acq: 28 Feb 2018 23:51

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.3	31.9
279	3.1	3.0	4.4

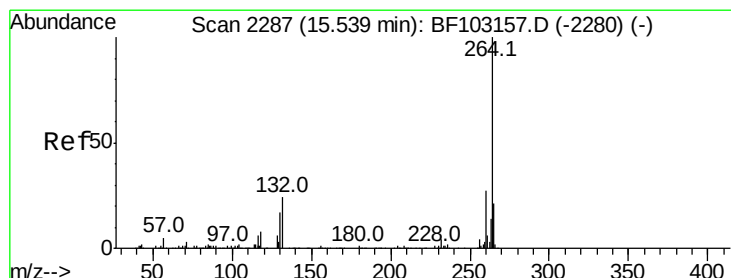
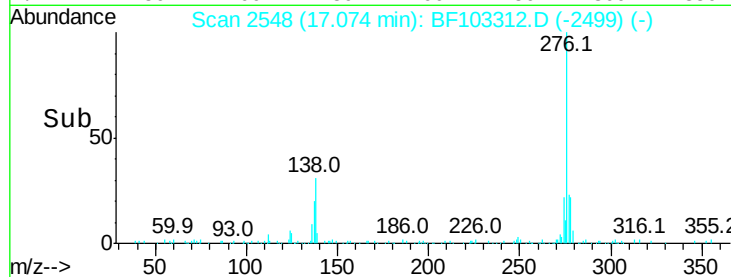
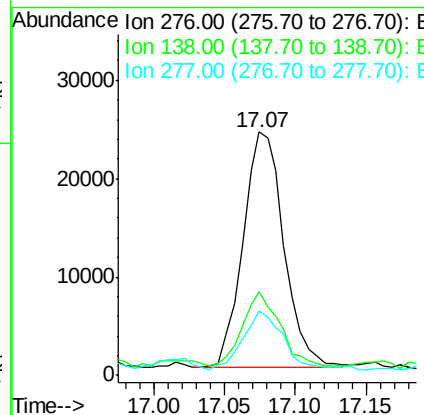
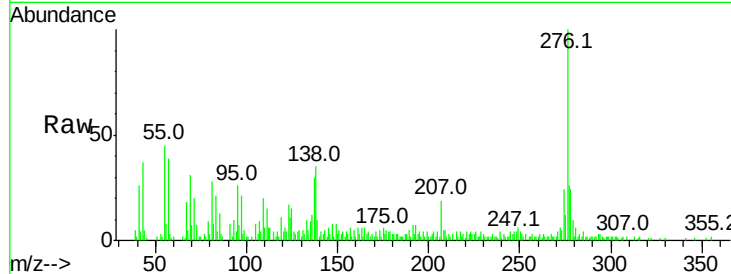




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.128 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BF103312.D
 Acq: 28 Feb 2018 23:51

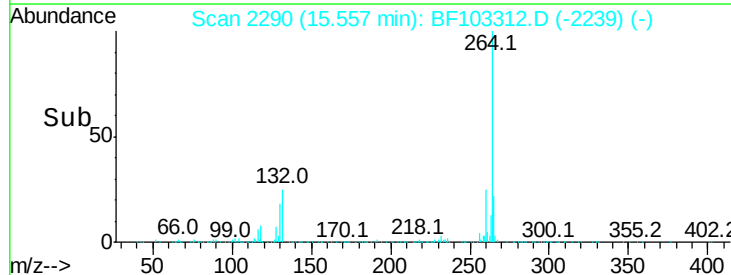
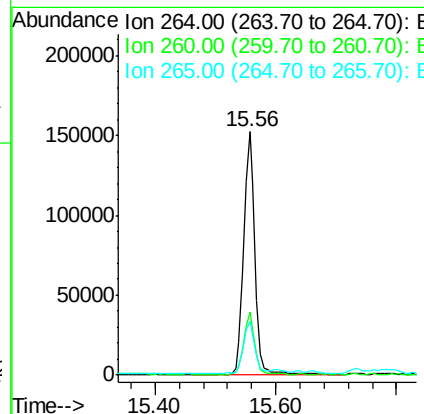
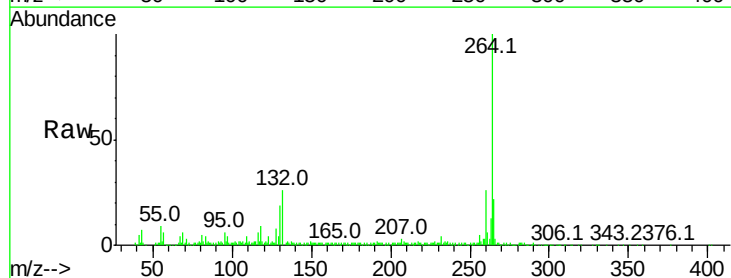
Instrument :
 BNA_F
 ClientSampleId :

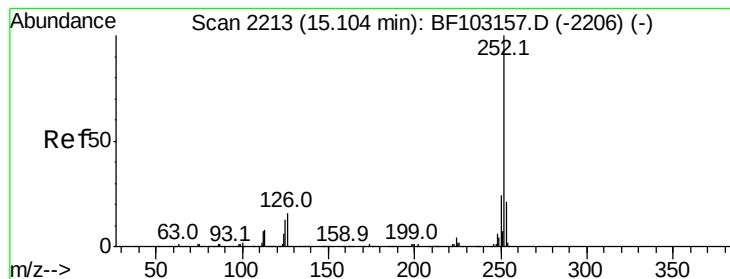
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.0	25.0	37.6
277	24.2	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2290
 Delta R.T. 0.00 min
 Lab File: BF103312.D
 Acq: 28 Feb 2018 23:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.2	28.8
265	22.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 16.491 ng

RT: 15.12 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BF103312.D

Acq: 28 Feb 2018 23:51

Instrument :

BNA_F

ClientSampled :

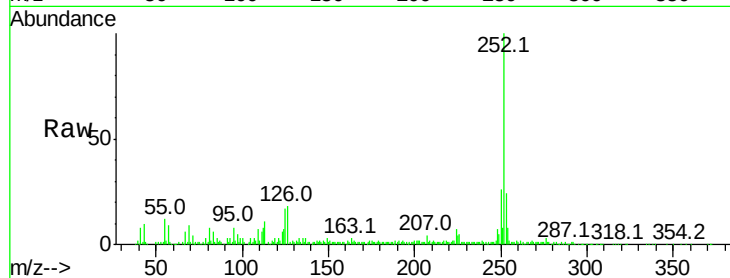
Tot Ion:252 Resp: 215516

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

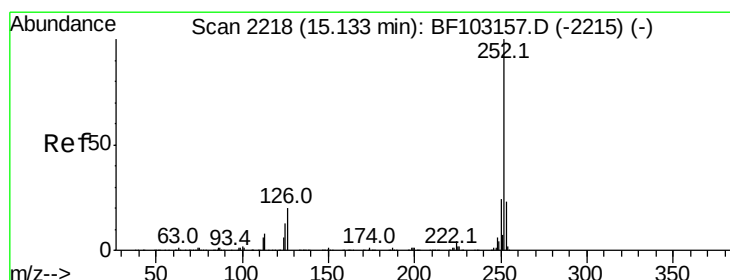
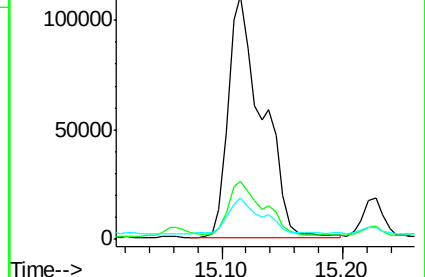
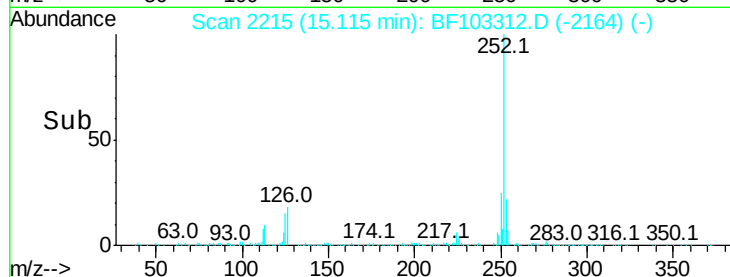
125 17.1 9.0 13.6#



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: 17.513 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.04 min

Lab File: BF103312.D

Acq: 28 Feb 2018 23:51

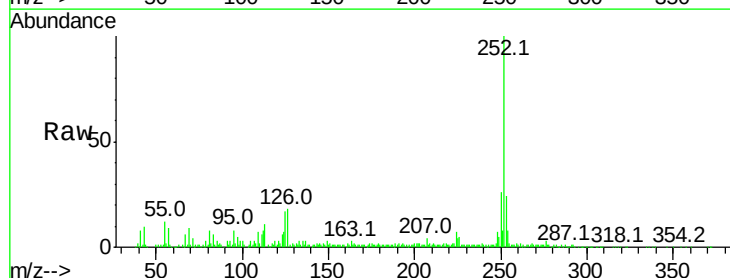
Tgt Ion:252 Resp: 215516

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

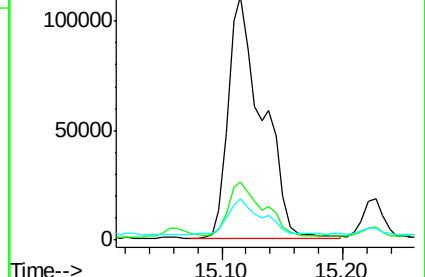
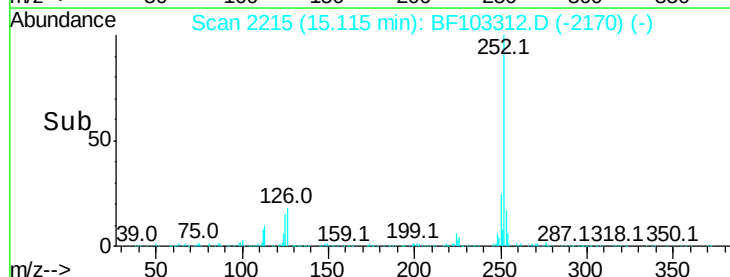
125 17.1 10.2 15.2#

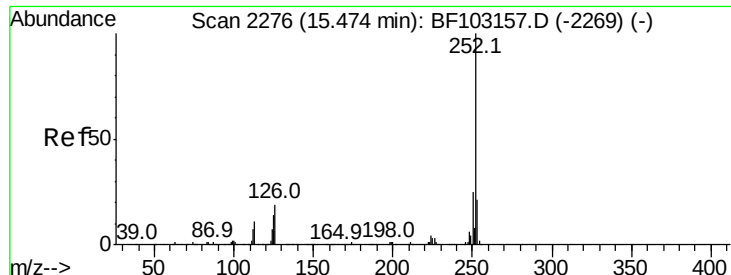


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.070 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF103312.D

Acq: 28 Feb 2018 23:51

Instrument :

BNA_F

ClientSampleId :

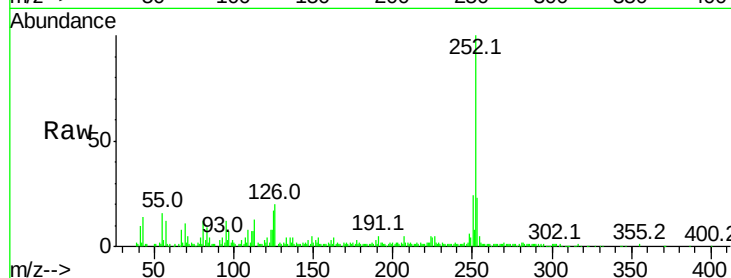
Tot Ion:252 Resp: 105852

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

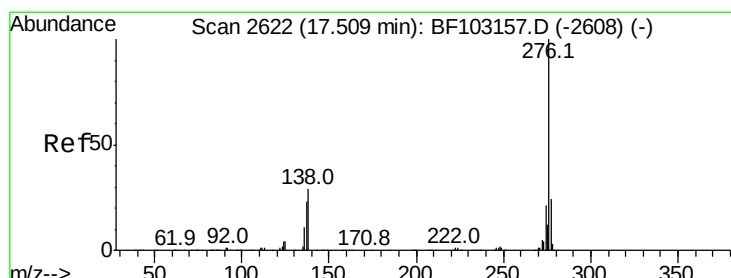
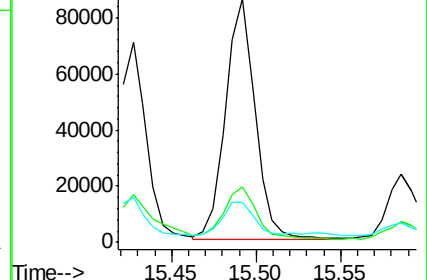
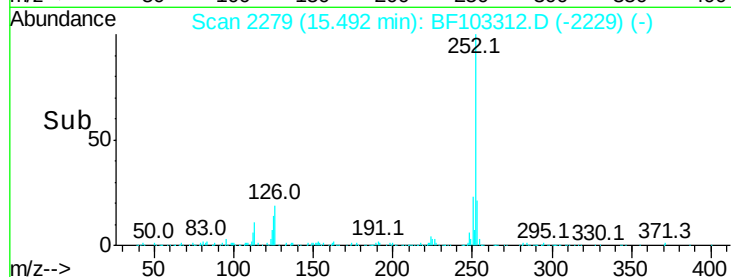
125 16.6 9.8 14.6#



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: 5.392 ng

RT: 17.54 min Scan# 2628

Delta R.T. 0.01 min

Lab File: BF103312.D

Acq: 28 Feb 2018 23:51

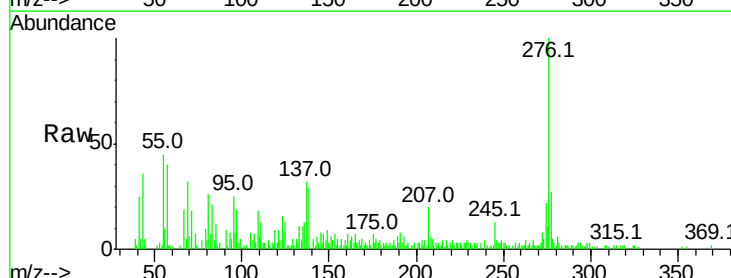
Tgt Ion:276 Resp: 47525

Ion Ratio Lower Upper

276 100

277 26.8 17.9 26.9

138 28.8 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

