

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
 Data File : BF103315.D
 Acq On : 1 Mar 2018 1:11
 Operator : SJ/JU
 Sample : J1720-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 02:57:34 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	144167	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	606494	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	247818	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	351955	20.00	ng	0.00
75) Chrysene-d12	14.06	240	254469	20.00	ng	0.00
86) Perylene-d12	15.56	264	201519	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1029221	107.97	ng	0.00
7) Phenol-d6	6.51	99	1245217	106.76	ng	0.00
23) Nitrobenzene-d5	7.44	82	803826	75.69	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	172044	82.02	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1091555	73.44	ng	0.00
78) Terphenyl-d14	12.99	244	704880	66.59	ng	0.00

Target Compounds

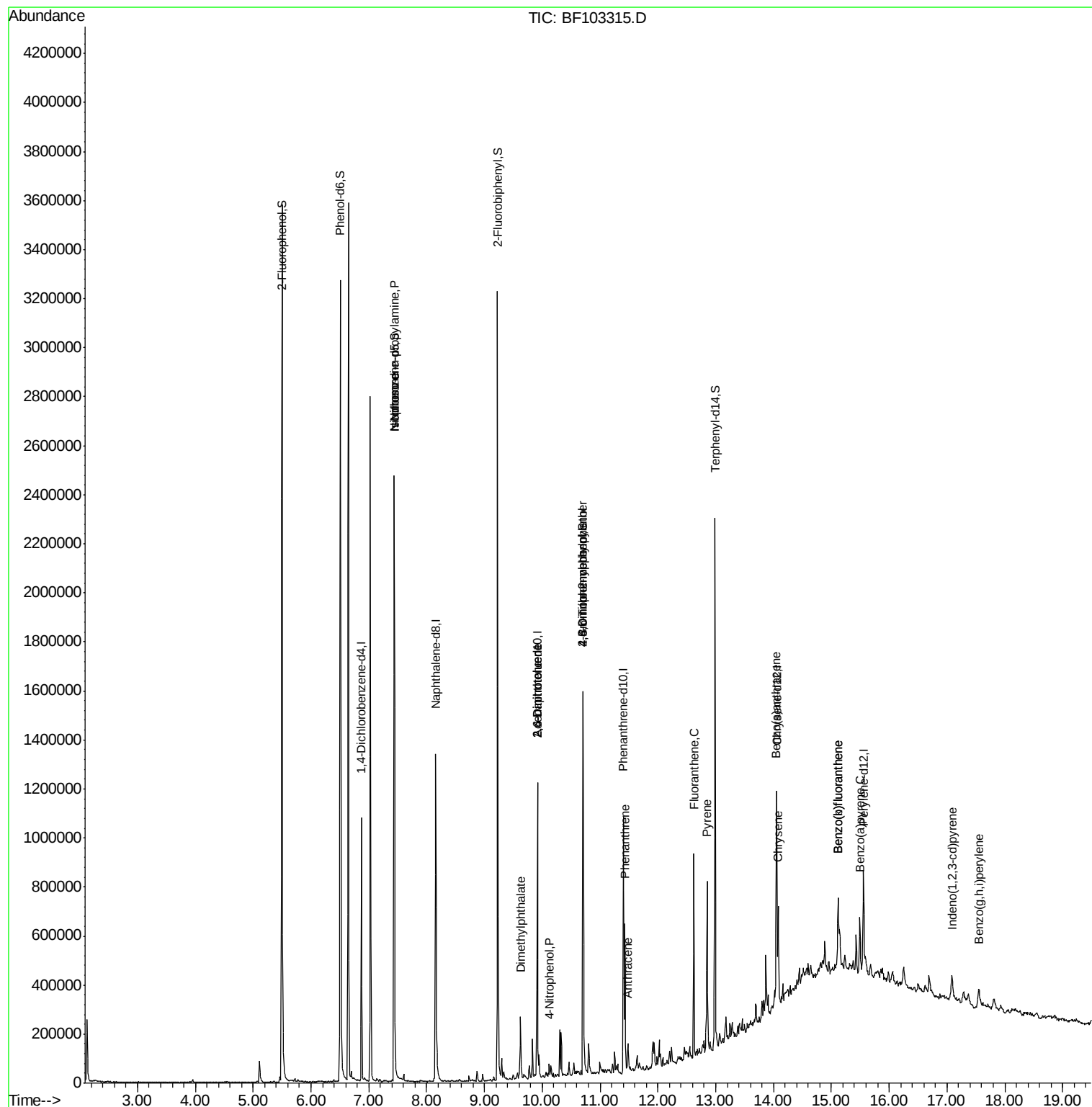
						Qvalue
9) Benzaldehyde	6.43	77	798	Below Cal	#	29
19) n-Nitroso-di-n-propylamine	7.44	70	111710	15.389 ng	#	84
25) Isophorone	7.44	82	803816	38.430 ng	#	64
49) Dimethylphthalate	9.62	163	94671	4.762 ng		100
50) 2,6-Dinitrotoluene	9.92	165	32696	7.837 ng	#	27
55) 4-Nitrophenol	10.12	139	6963	2.123 ng	#	15
56) 2,4-Dinitrotoluene	9.92	165	32696	6.197 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.71	198	365	5.098 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	12063	3.290 ng	#	1
70) Phenanthrene	11.43	178	201630	10.410 ng		99
71) Anthracene	11.48	178	44325	2.232 ng		98
74) Fluoranthene	12.62	202	317469	16.311 ng		99
77) Pvrene	12.86	202	302671	15.256 ng		99
80) Benzo(a)anthracene	14.04	228	156076	9.453 ng		98
82) Chrysene	14.08	228	139670	8.712 ng		98
85) Indeno(1,2,3-cd)pyrene	17.09	276	57374	4.521 ng		96
87) Benzo(b)fluoranthene	15.12	252	220326	16.629 ng	#	93
88) Benzo(k)fluoranthene	15.12	252	220326	17.659 ng	#	95
89) Benzo(a)pvrene	15.49	252	107581	9.092 ng	#	93
91) Benzo(a,h,i)perylene	17.55	276	56867	6.364 ng		93

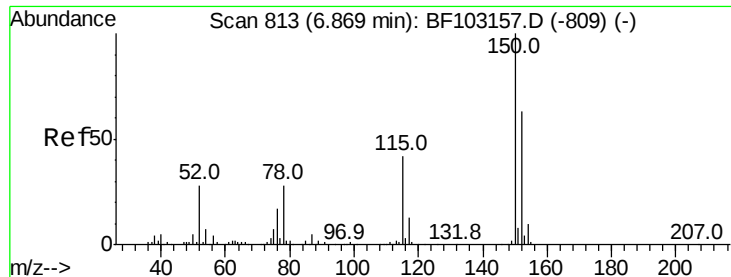
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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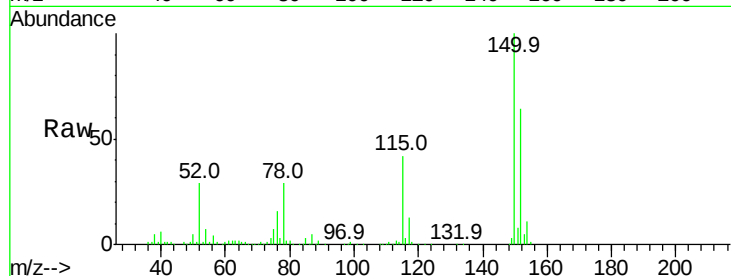


#1

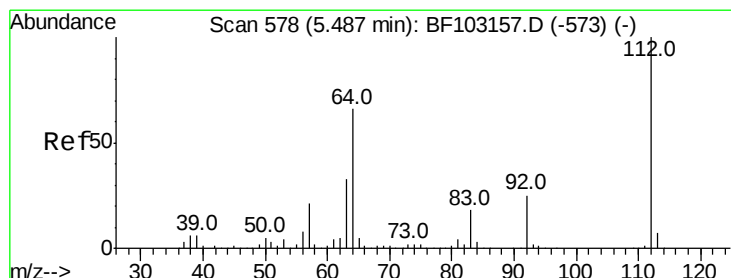
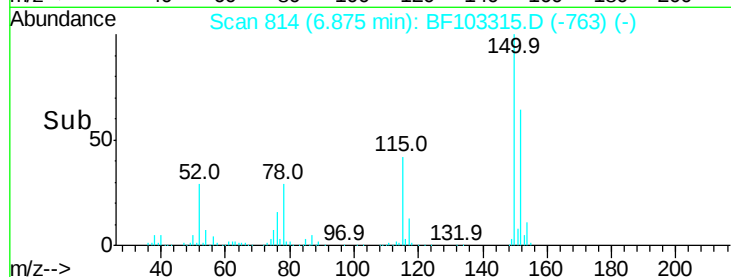
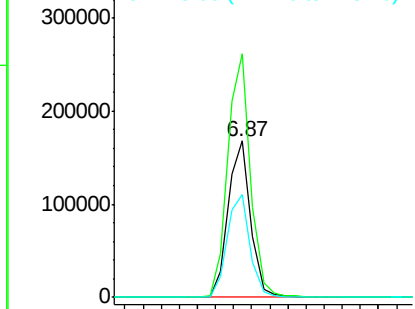
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144167
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 65.7 50.1 75.1



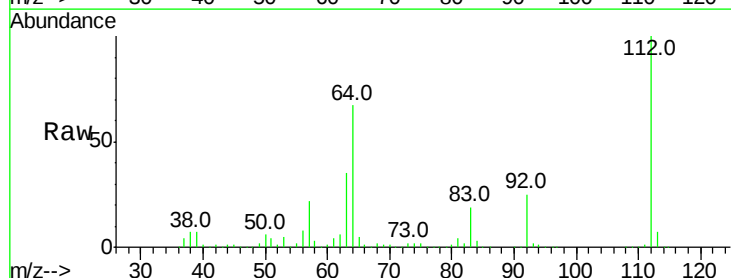
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



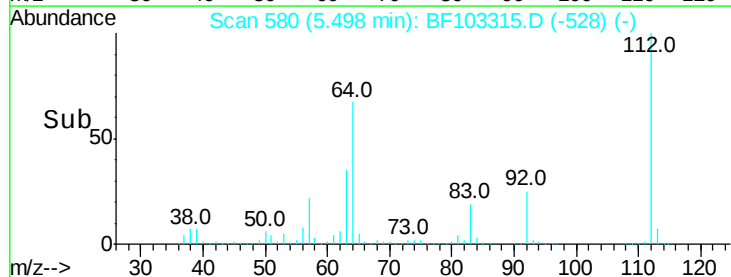
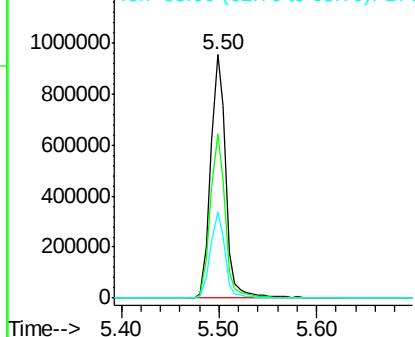
#5

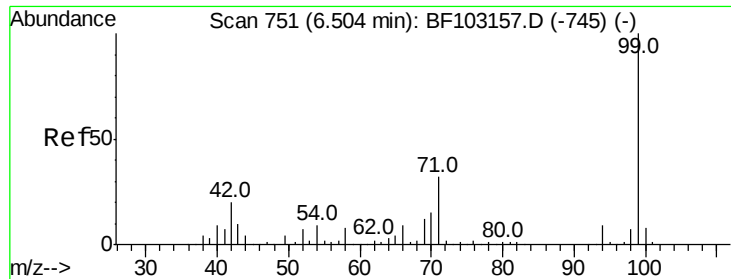
2-Fluorophenol
Concen: 107.974 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Tgt Ion:112 Resp: 1029221
Ion Ratio Lower Upper
112 100
64 67.5 47.9 71.9
63 35.3 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: 106.757 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103315.D

Acq: 1 Mar 2018 1:11

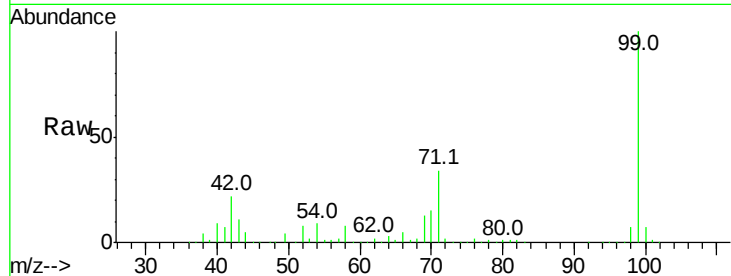
Instrument :

BNA_F

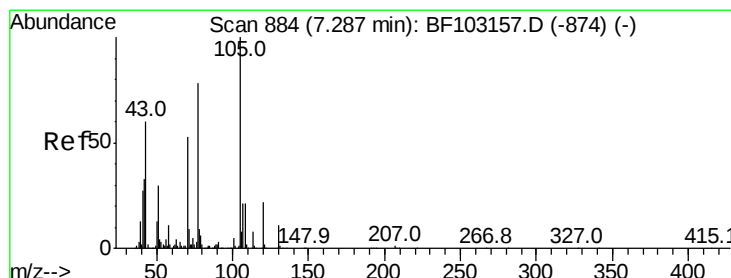
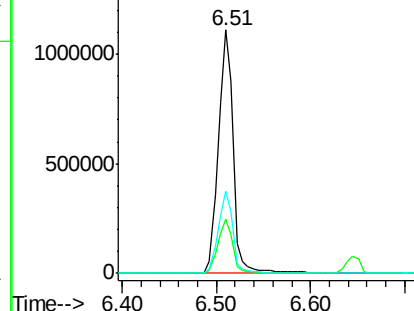
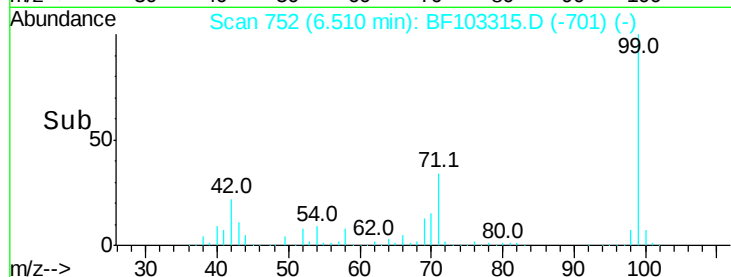
ClientSampled :

Tot Ion: 99 Resp: 1245217

Ion	Ratio	Lower	Upper
99	100		
42	22.1	14.5	21.7#
71	33.9	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: 15.389 ng

RT: 7.44 min Scan# 910

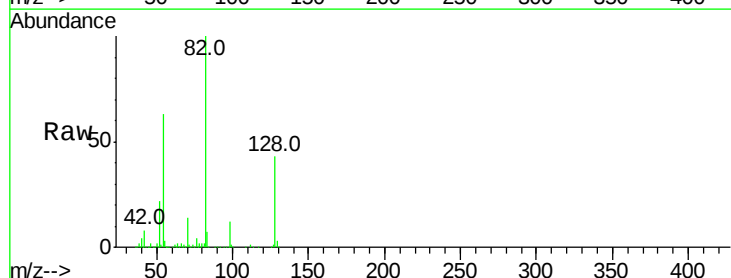
Delta R.T. 0.15 min

Lab File: BF103315.D

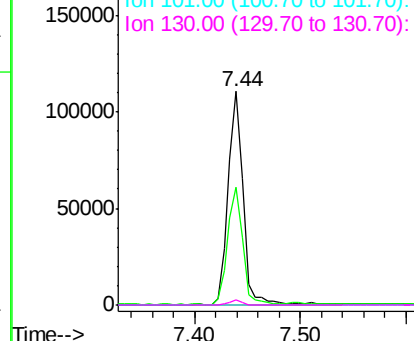
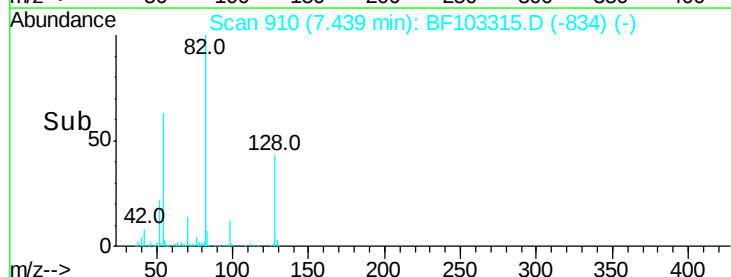
Acq: 1 Mar 2018 1:11

Tgt Ion: 70 Resp: 111710

Ion	Ratio	Lower	Upper
70	100		
42	55.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	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

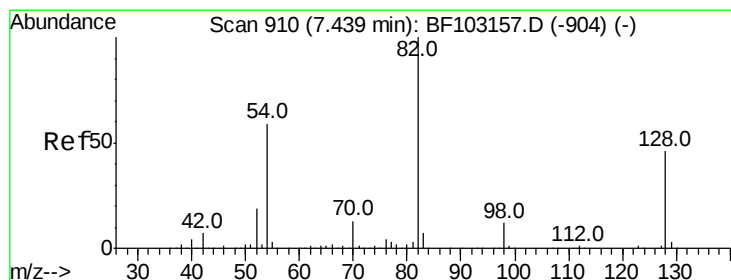
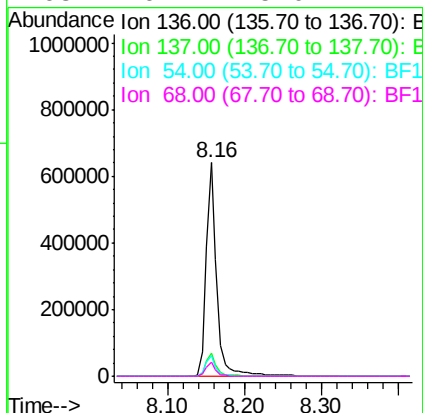
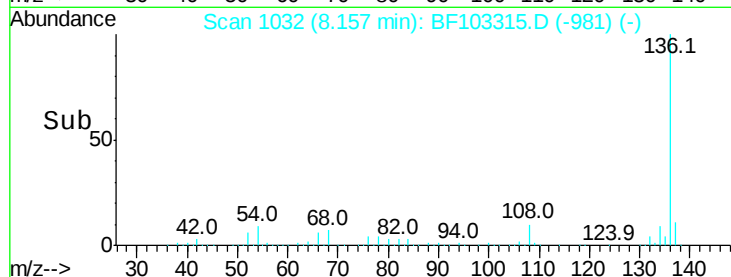
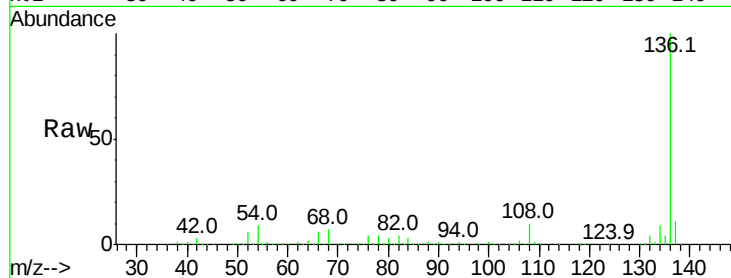




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

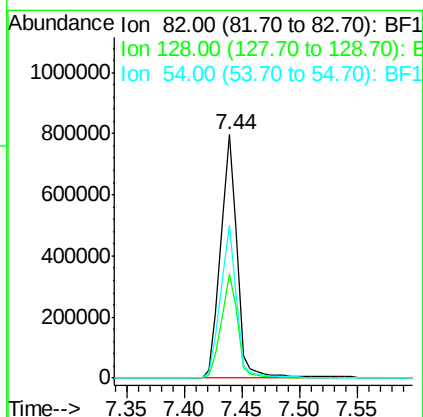
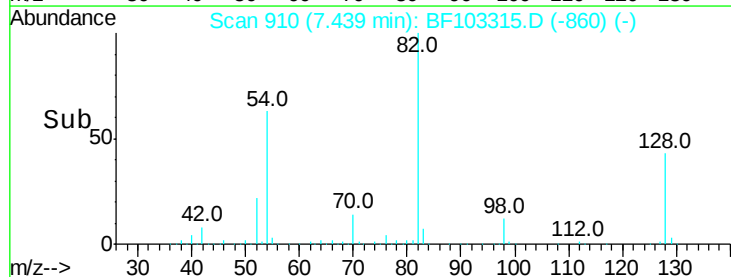
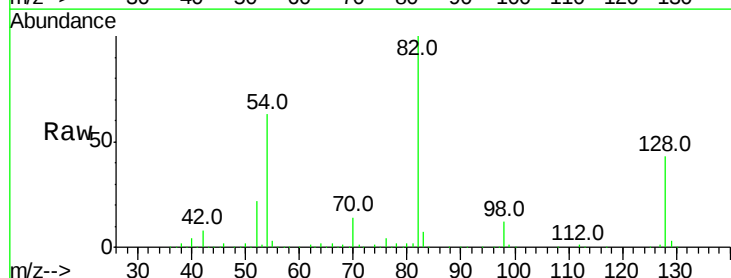
Instrument :
BNA_F
ClientSampleId :

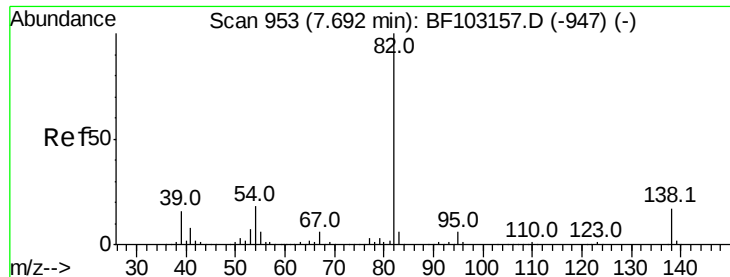
Tot Ion:	136	Resp:	606494
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.4	6.6	9.8
68	6.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 75.690 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Tgt Ion:	82	Resp:	803826
Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.1	54.1
54	62.7	41.4	62.2#





#25

Isophorone

Concen: 38.430 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103315.D

Acq: 1 Mar 2018 1:11

Instrument :

BNA_F

ClientSampled :

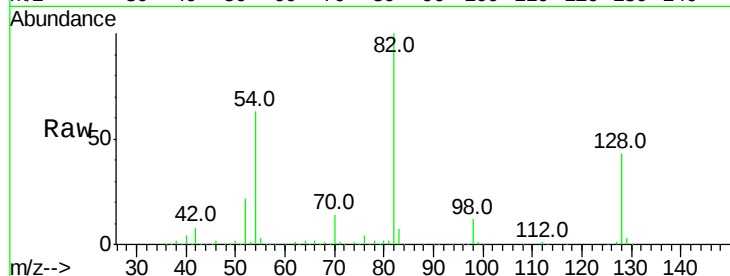
Tot Ion: 82 Resp: 803816

Ion Ratio Lower Upper

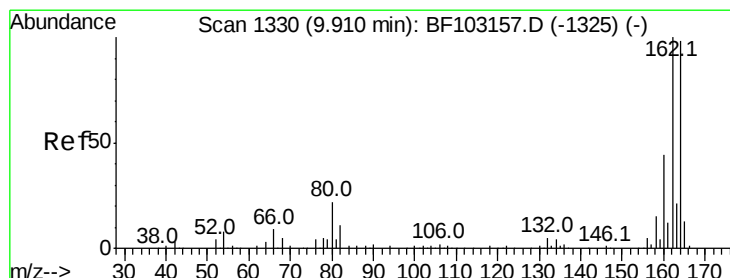
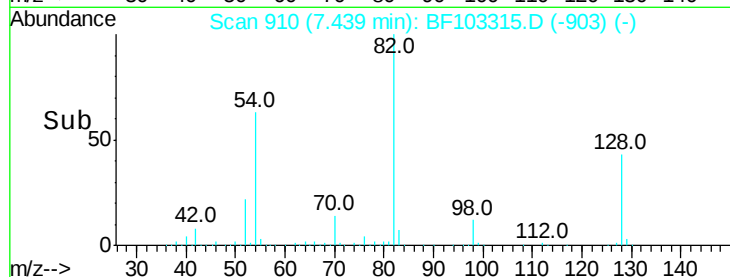
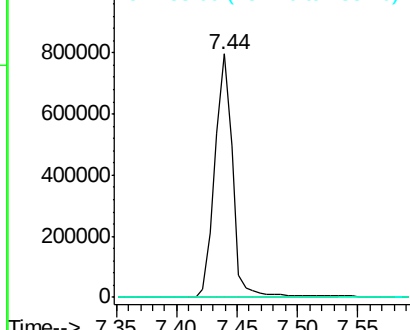
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF103315.D

Acq: 1 Mar 2018 1:11

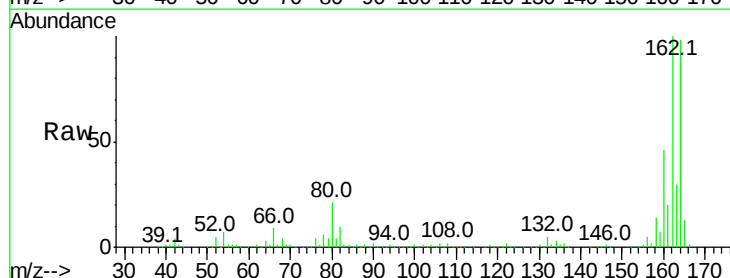
Tgt Ion:164 Resp: 247818

Ion Ratio Lower Upper

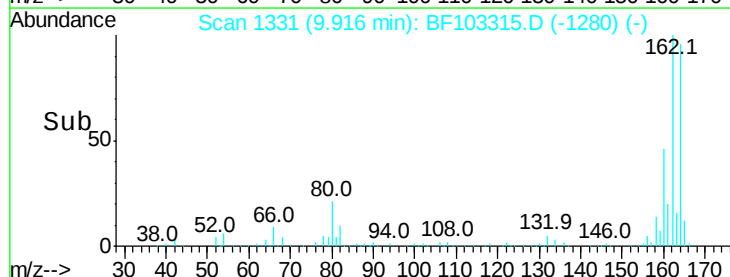
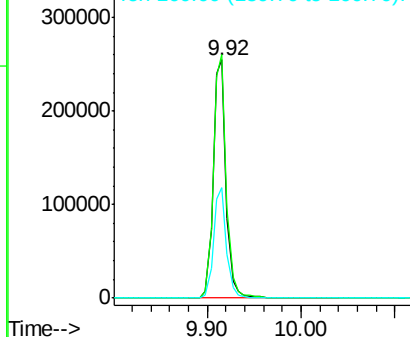
164 100

162 102.3 86.1 129.1

160 46.7 38.3 57.5



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

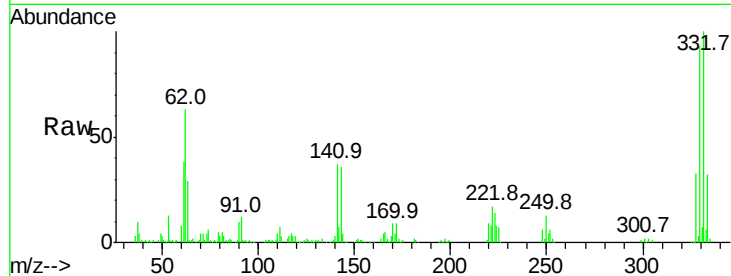




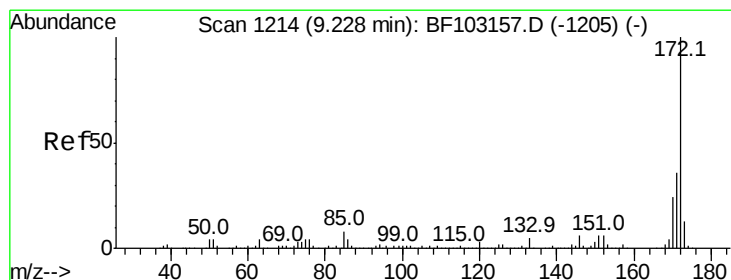
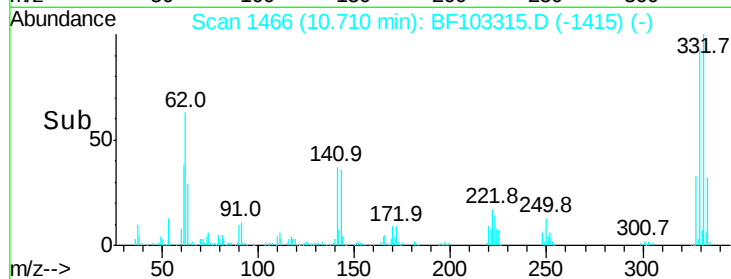
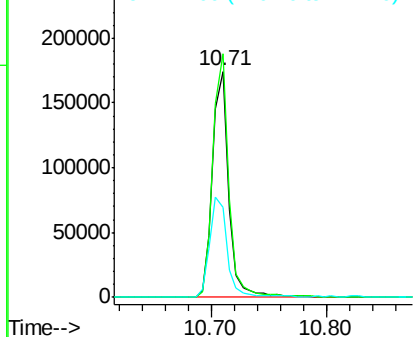
#41
 2,4,6-Tribromophenol
 Concen: 82.018 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103315.D
 Acq: 1 Mar 2018 1:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 172044
 Ion Ratio Lower Upper
 330 100
 332 105.6 77.0 115.6
 141 48.3 29.9 44.9#

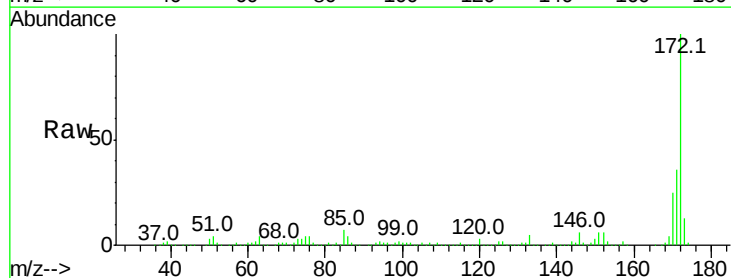


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

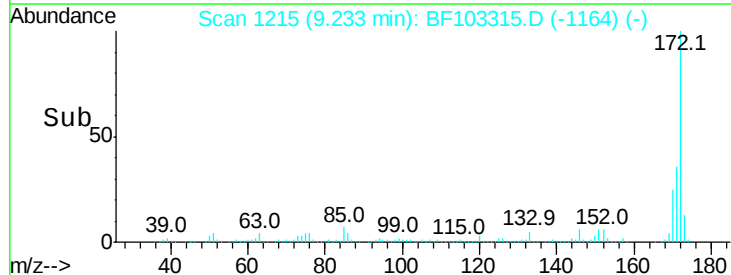
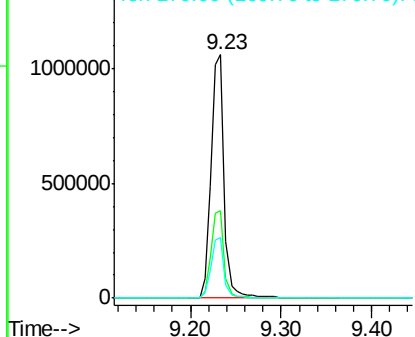


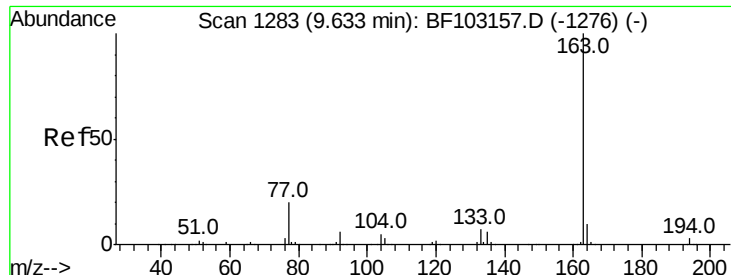
#44
 2-Fluorobiphenyl
 Concen: 73.438 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF103315.D
 Acq: 1 Mar 2018 1:11

Tgt Ion:172 Resp: 1091555
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.8 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

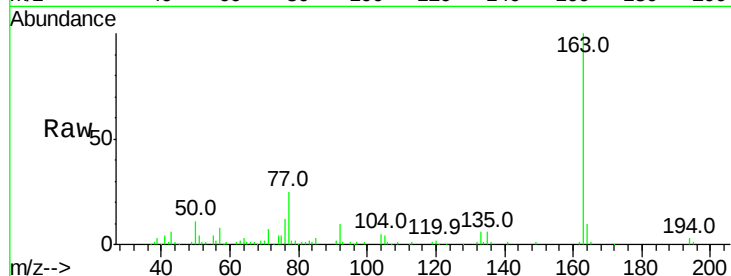




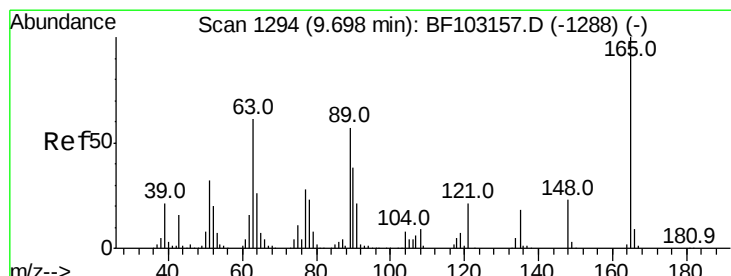
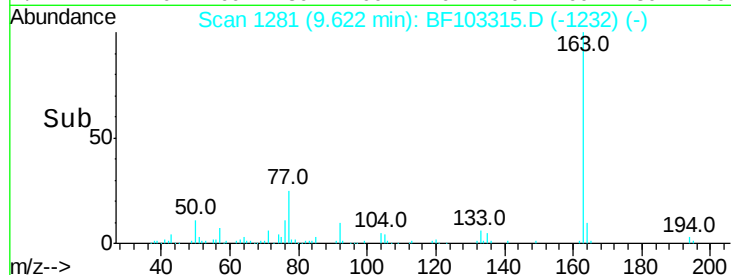
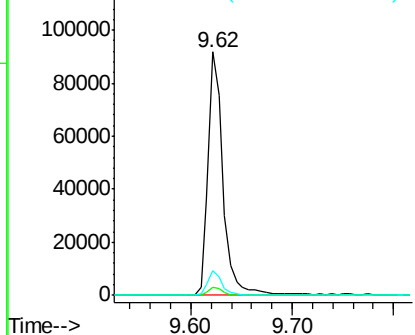
#49
Dimethylphthalate
Concen: 4.762 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 94671
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.2 8.2 12.2

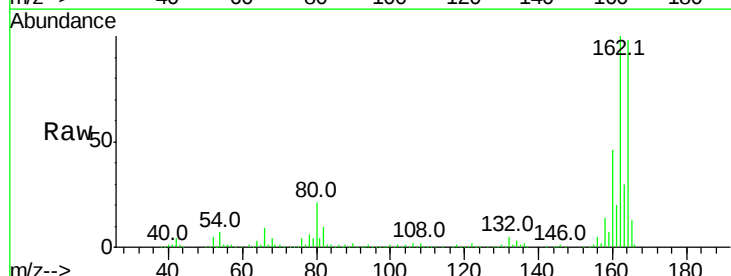


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

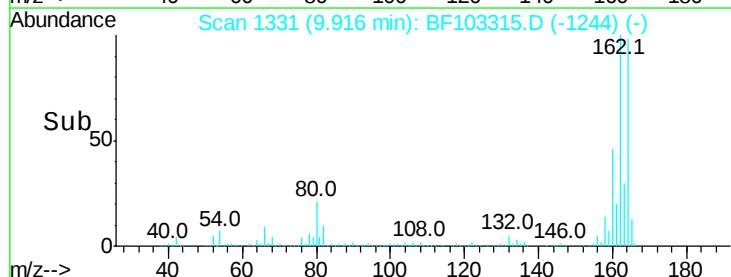
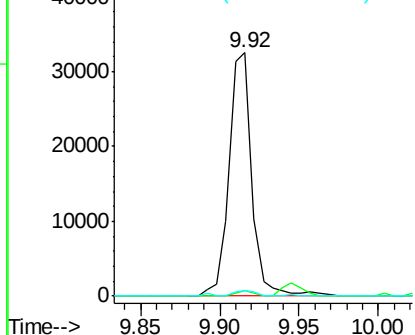


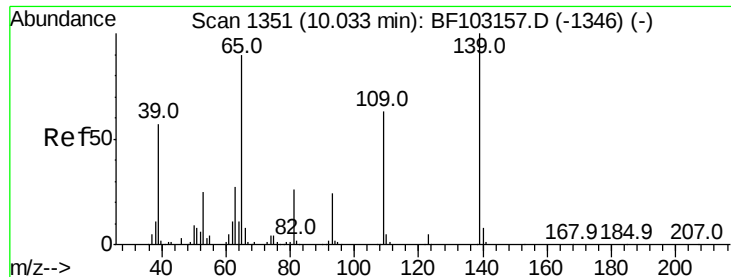
#50
2,6-Dinitrotoluene
Concen: 7.837 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Tgt Ion:165 Resp: 32696
Ion Ratio Lower Upper
165 100
63 2.3 44.7 67.1#
89 2.2 44.0 66.0#



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





#55

4-Nitrophenol

Concen: 2.123 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.08 min

Lab File: BF103315.D

Acq: 1 Mar 2018 1:11

Instrument :

BNA_F

ClientSampleId :

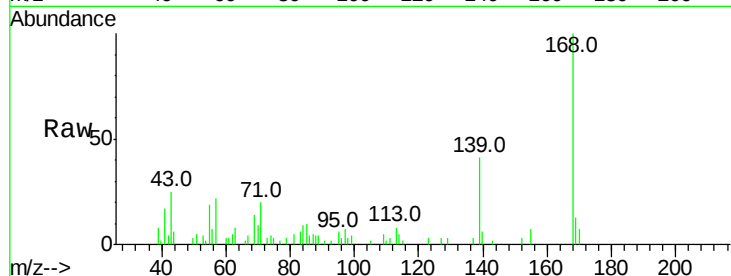
Tot Ion:139 Resp: 6963

Ion Ratio Lower Upper

139 100

109 11.9 48.4 88.4#

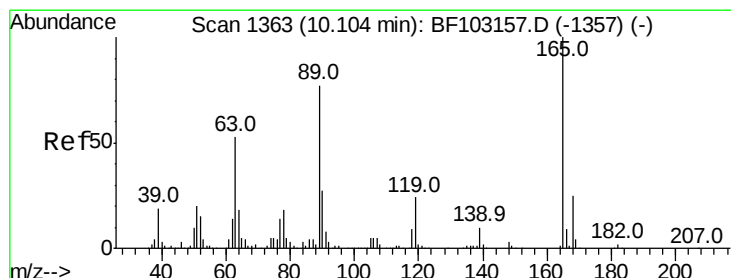
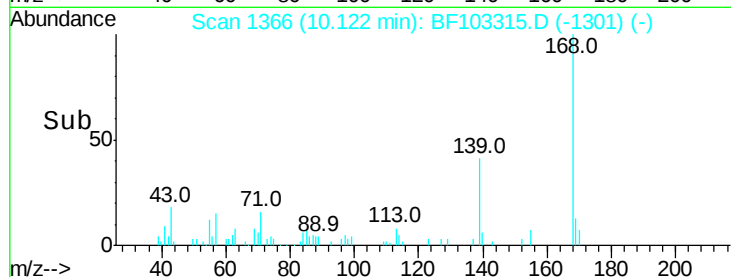
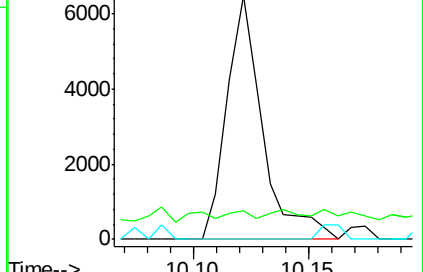
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 6.197 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF103315.D

Acq: 1 Mar 2018 1:11

Tgt Ion:165 Resp: 32696

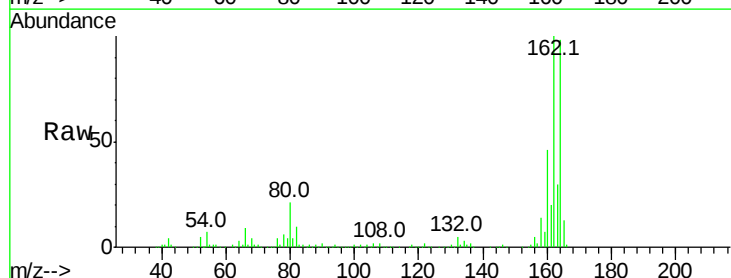
Ion Ratio Lower Upper

165 100

63 2.3 36.4 54.6#

89 2.2 57.8 86.6#

182 0.0 1.6 2.4#

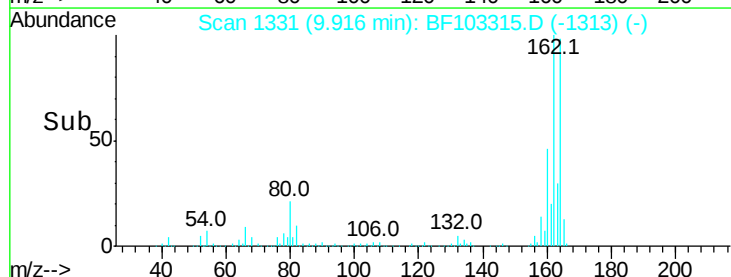
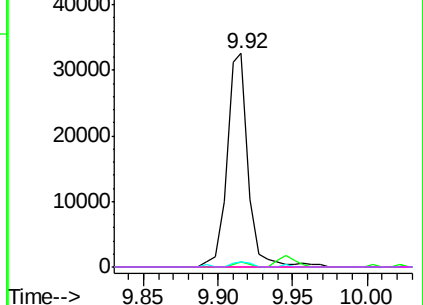


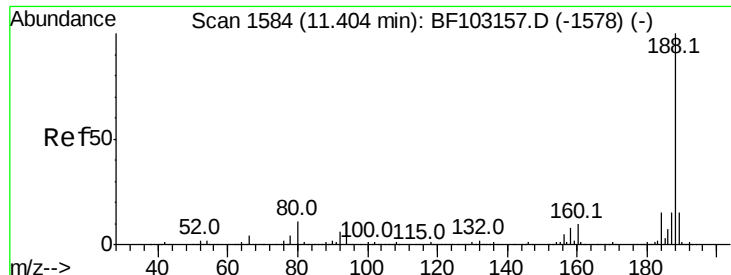
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

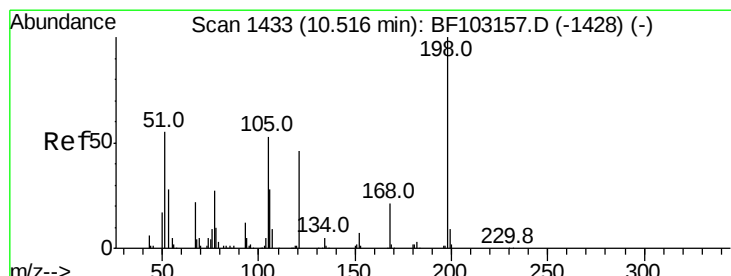
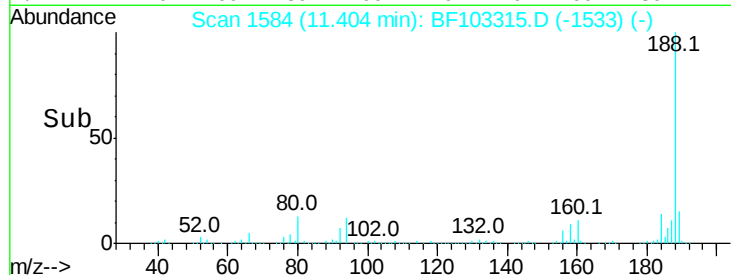
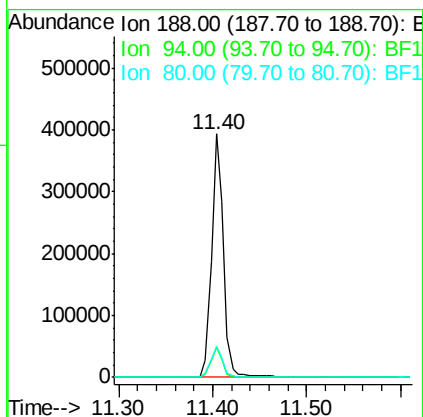
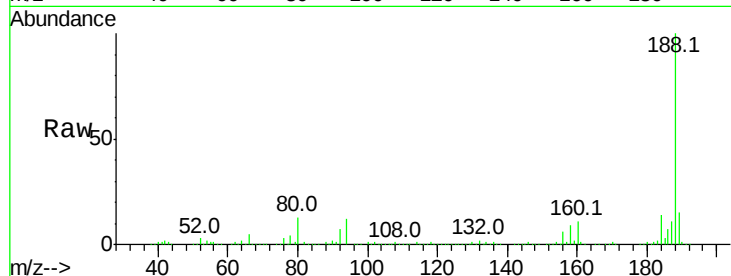




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

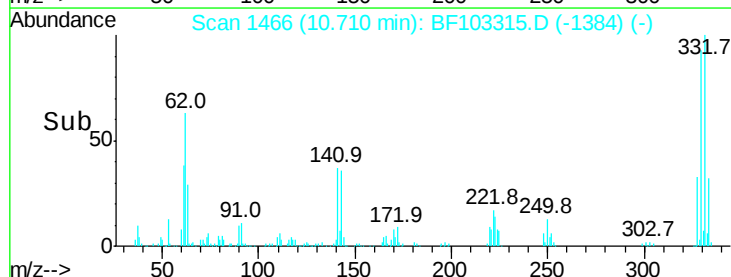
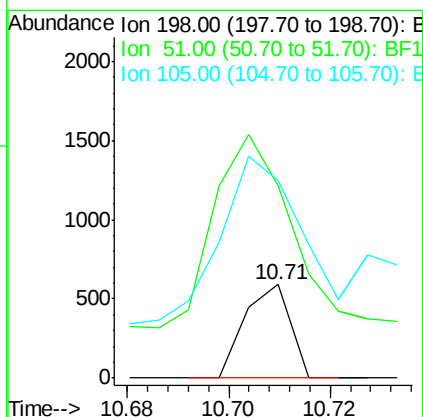
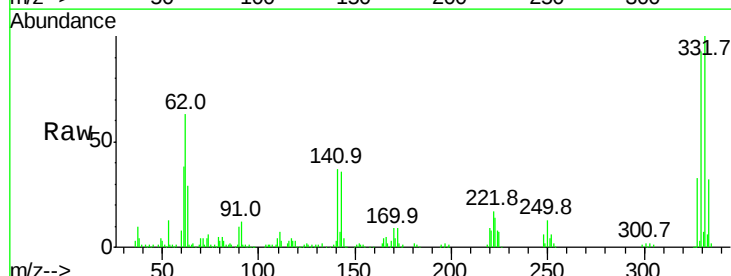
Instrument :
BNA_F
ClientSampleId :

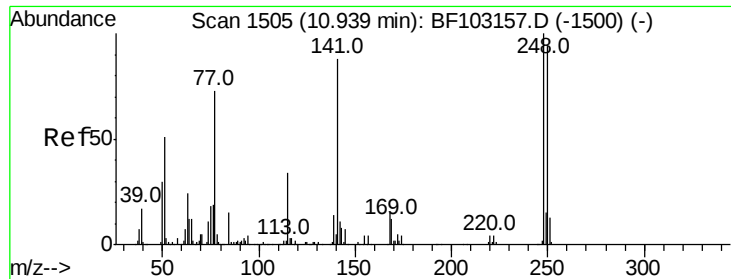
Tot Ion:188 Resp: 351955
Ion Ratio Lower Upper
188 100
94 12.3 8.5 12.7
80 13.0 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.098 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.18 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Tgt Ion:198 Resp: 365
Ion Ratio Lower Upper
198 100
51 206.3 37.7 77.7#
105 211.9 36.3 76.3#

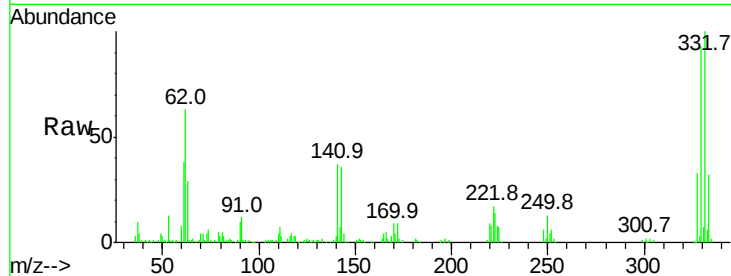




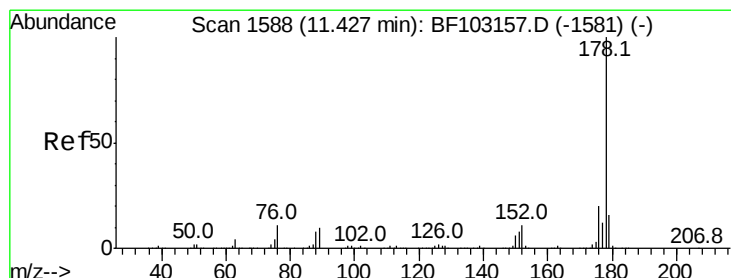
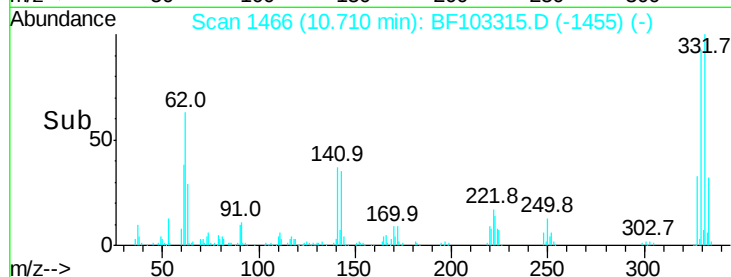
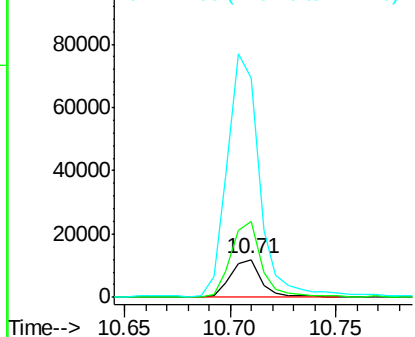
#66
4-Bromophenyl-phenylether
Concen: 3.290 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12063
Ion Ratio Lower Upper
248 100
250 200.5 76.9 115.3#
141 577.3 74.4 111.6#

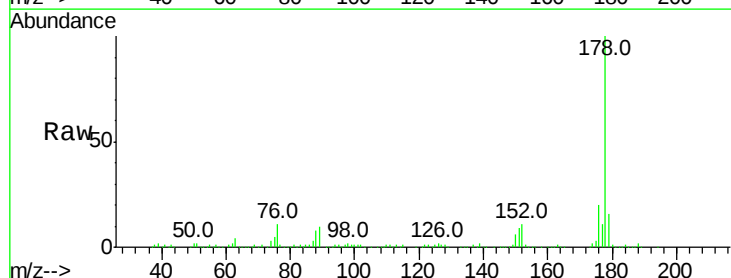


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

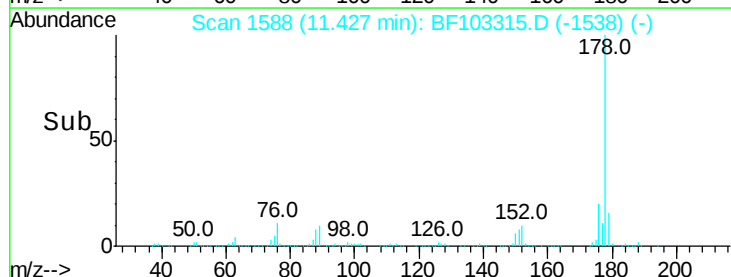
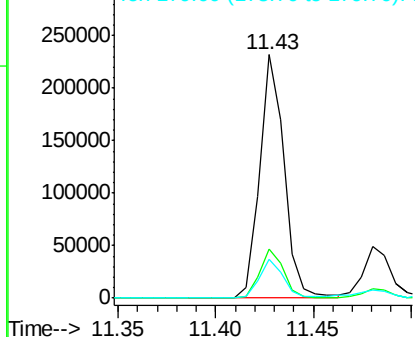


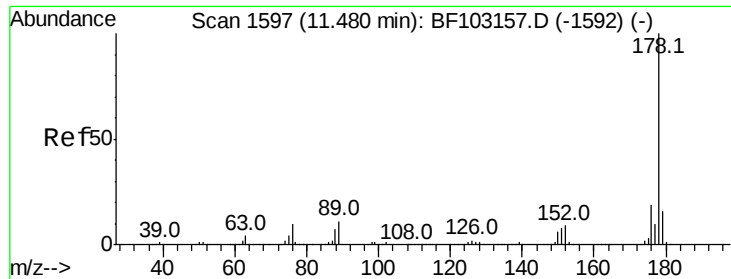
#70
Phenanthrene
Concen: 10.410 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Tgt Ion:178 Resp: 201630
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.8 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

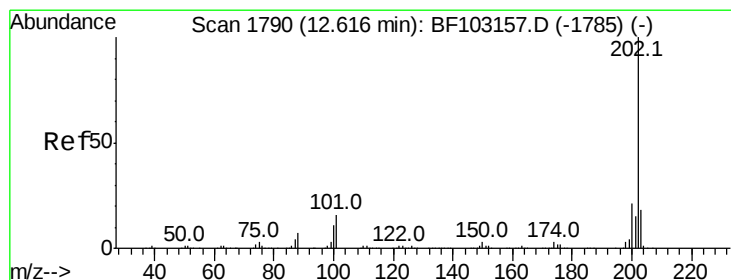
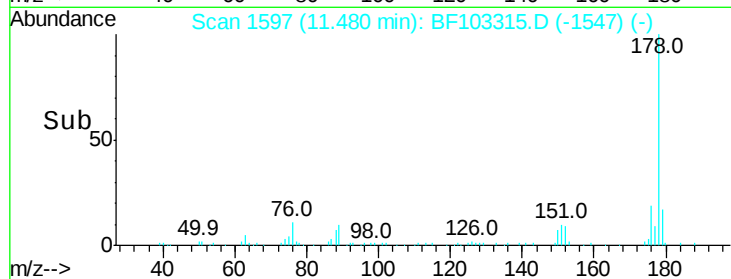
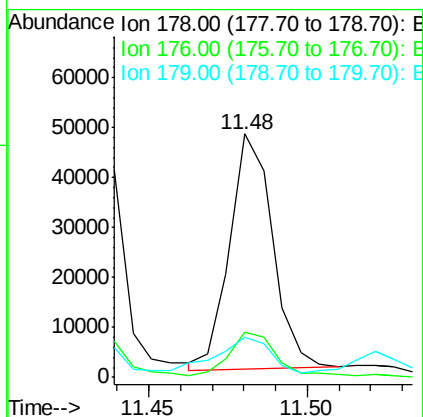
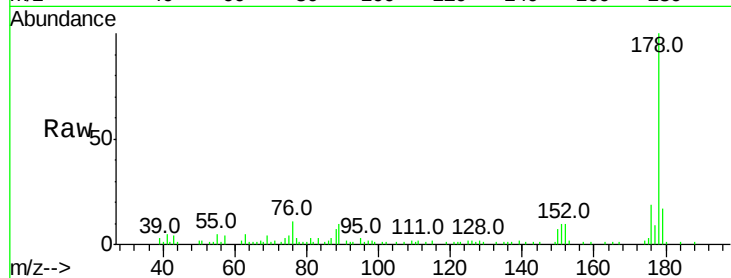




#71
 Anthracene
 Concen: 2.232 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF103315.D
 Acq: 1 Mar 2018 1:11

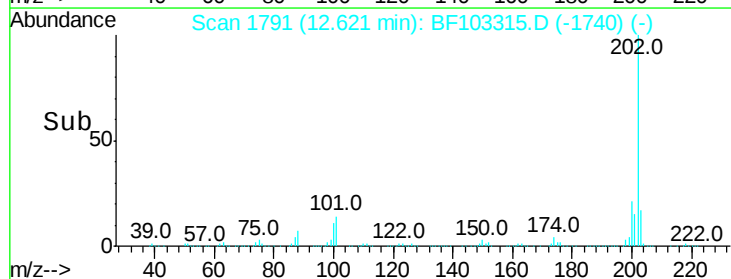
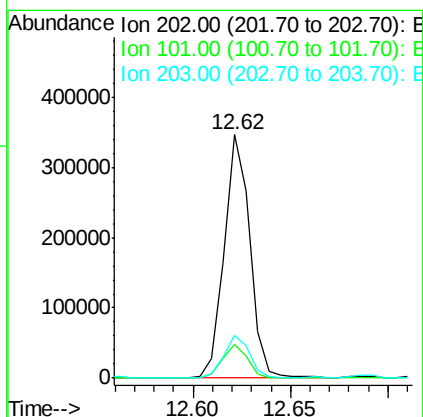
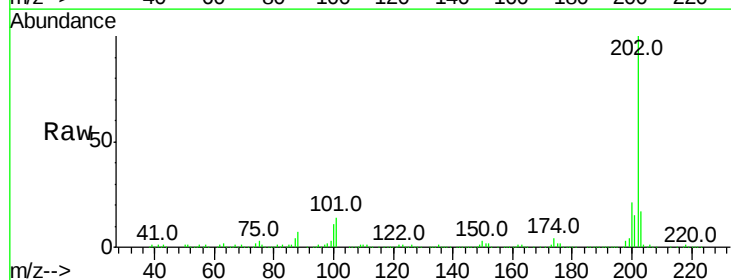
Instrument :
 BNA_F
 ClientSampleId :

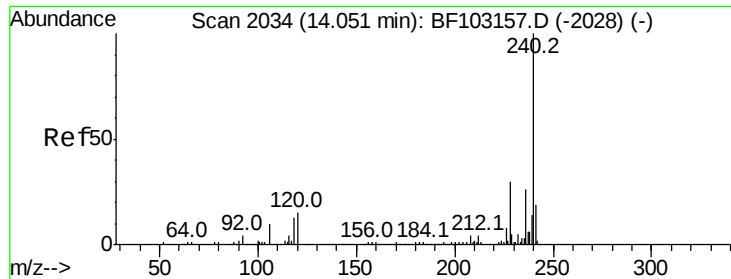
Tot Ion:178 Resp: 44325
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 16.7 12.6 19.0



#74
 Fluoranthene
 Concen: 16.311 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: BF103315.D
 Acq: 1 Mar 2018 1:11

Tgt Ion:202 Resp: 317469
 Ion Ratio Lower Upper
 202 100
 101 14.0 0.0 34.1
 203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103315.D

Acq: 1 Mar 2018 1:11

Instrument :

BNA_F

ClientSampleId :

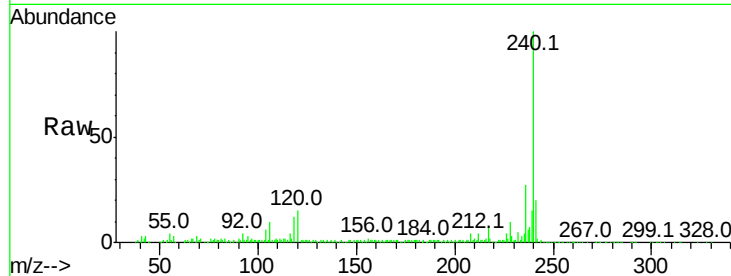
Tot Ion:240 Resp: 254469

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

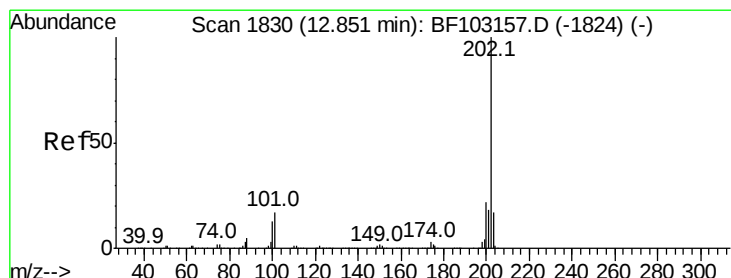
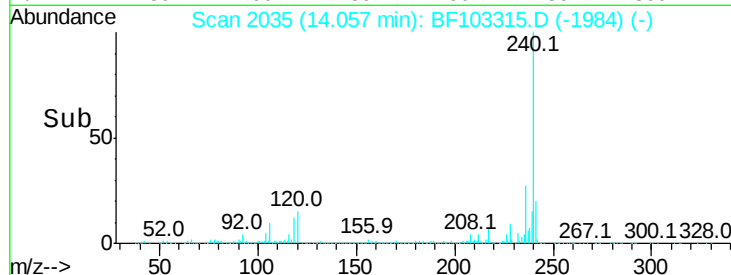
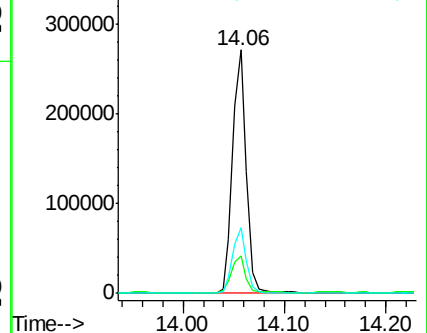
236 27.2 20.7 31.1



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: 15.256 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF103315.D

Acq: 1 Mar 2018 1:11

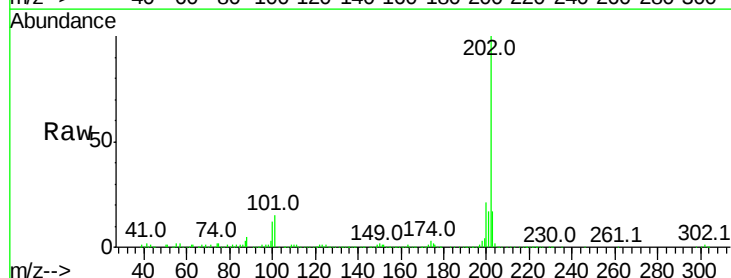
Tgt Ion:202 Resp: 302671

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

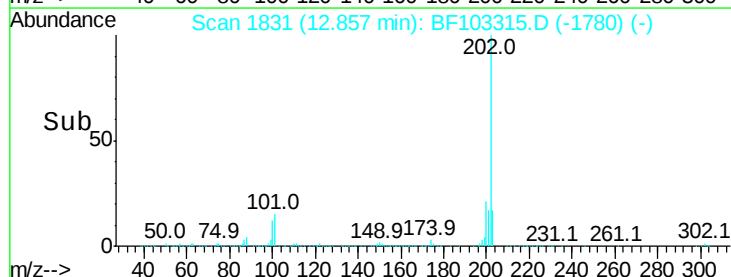
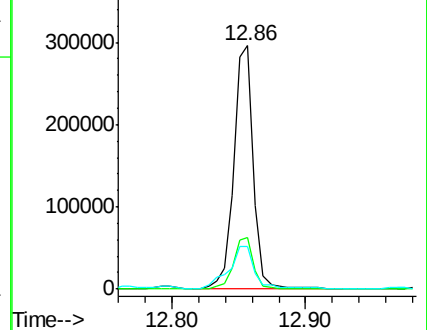
203 17.3 14.3 21.5

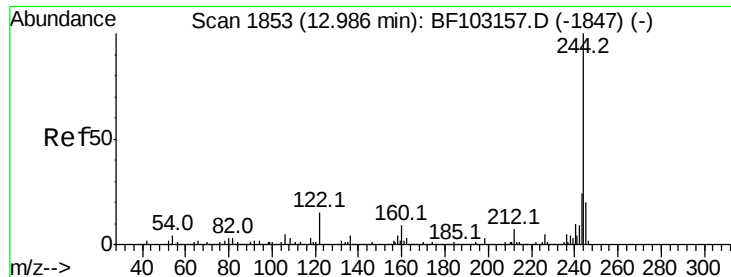


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.587 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103315.D

Acq: 1 Mar 2018 1:11

Instrument :

BNA_F

ClientSampleId :

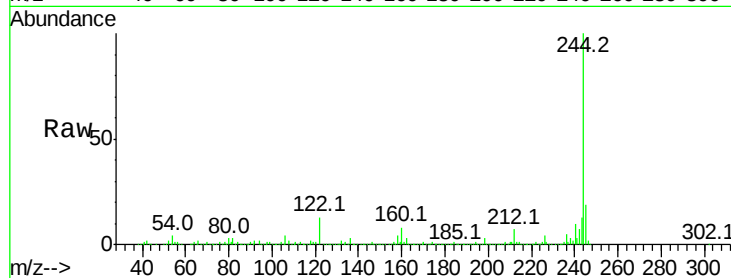
Tot Ion:244 Resp: 704880

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

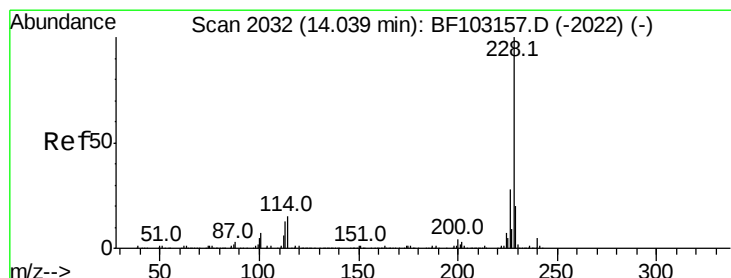
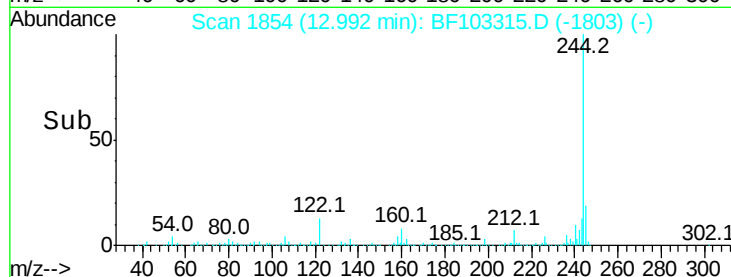
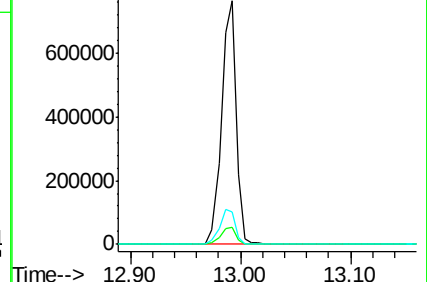
122 13.2 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 9.453 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF103315.D

Acq: 1 Mar 2018 1:11

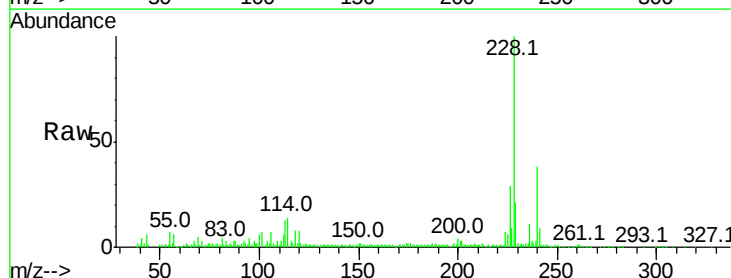
Tgt Ion:228 Resp: 156076

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

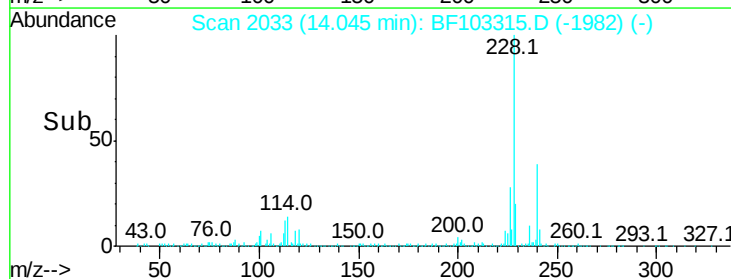
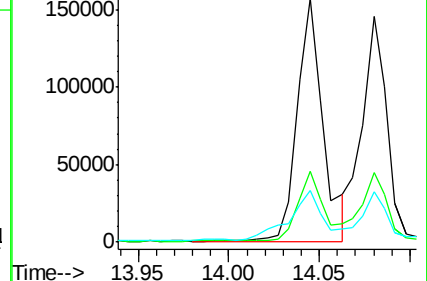
229 21.4 15.8 23.6

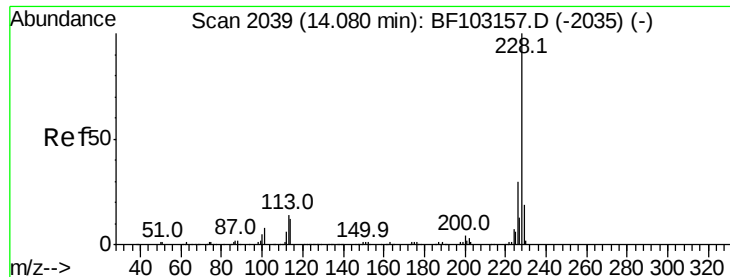


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.712 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103315.D

Acq: 1 Mar 2018 1:11

Instrument :

BNA_F

ClientSampleId :

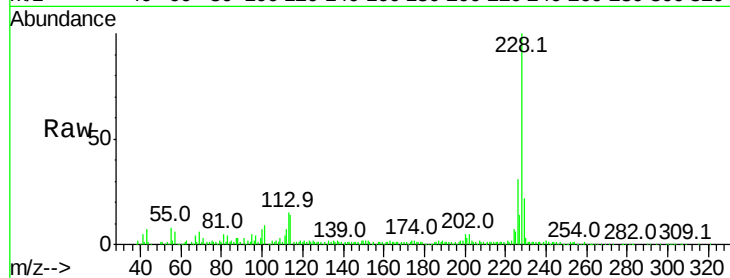
Tot Ion:228 Resp: 139670

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

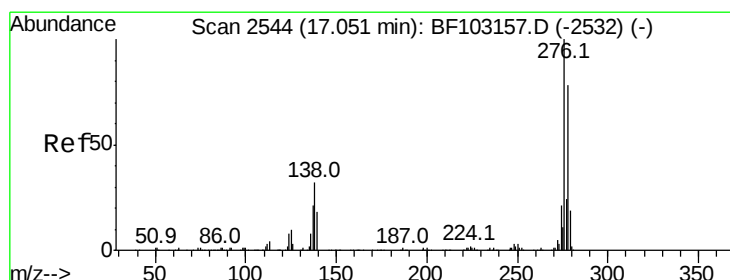
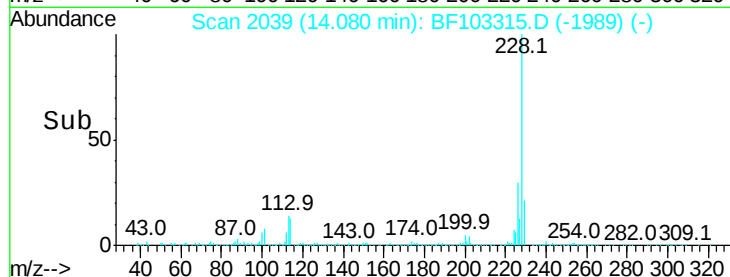
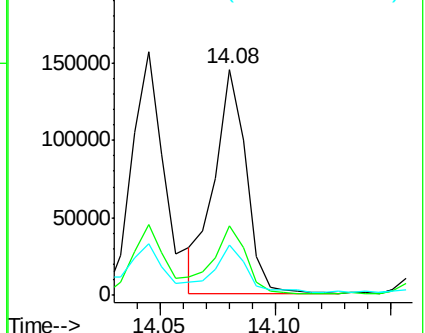
229 22.3 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.521 ng

RT: 17.09 min Scan# 2550

Delta R.T. -0.00 min

Lab File: BF103315.D

Acq: 1 Mar 2018 1:11

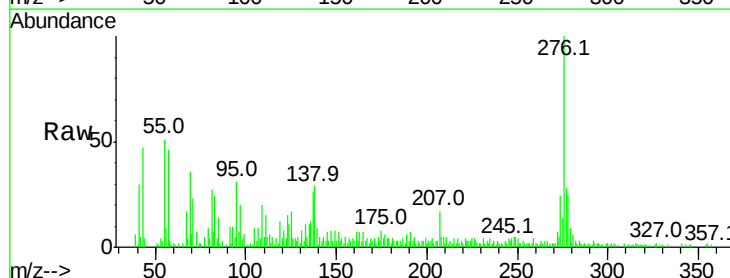
Tgt Ion:276 Resp: 57374

Ion Ratio Lower Upper

276 100

138 27.1 25.0 37.6

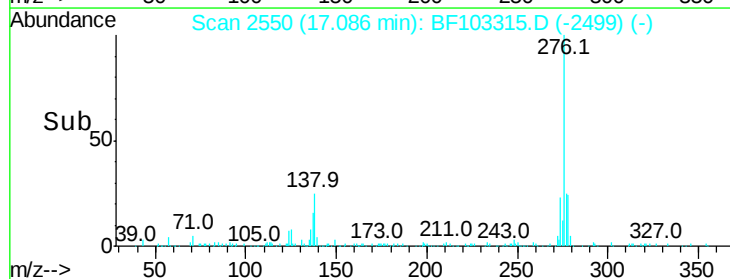
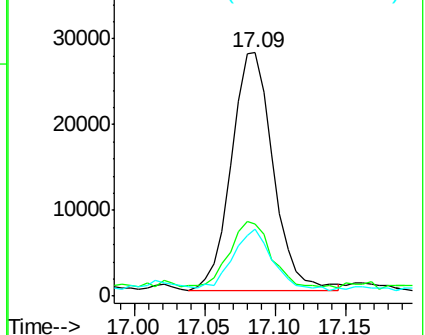
277 24.9 20.1 30.1

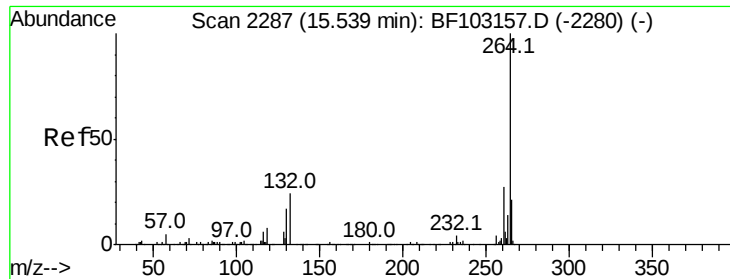


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

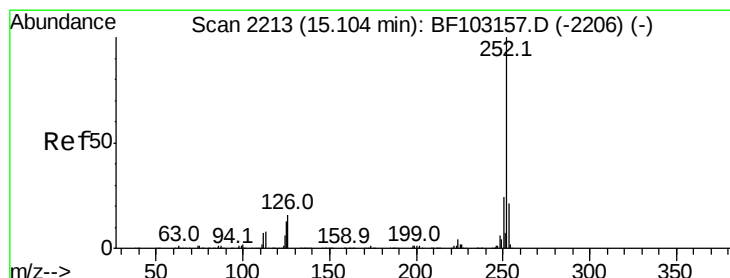
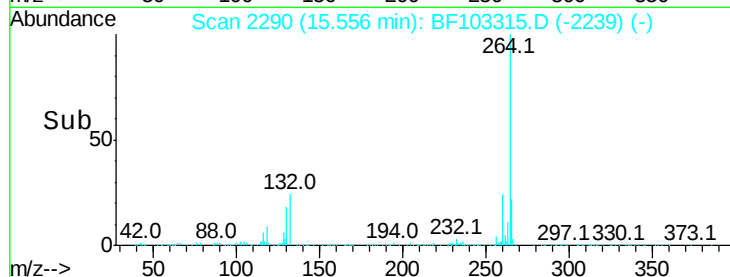
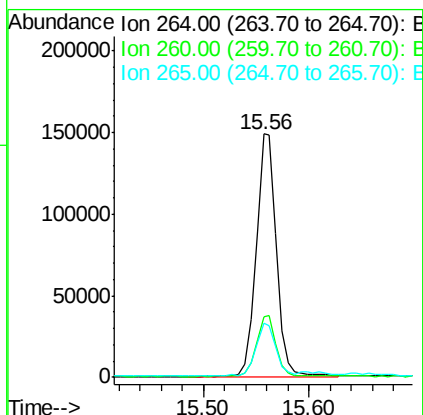
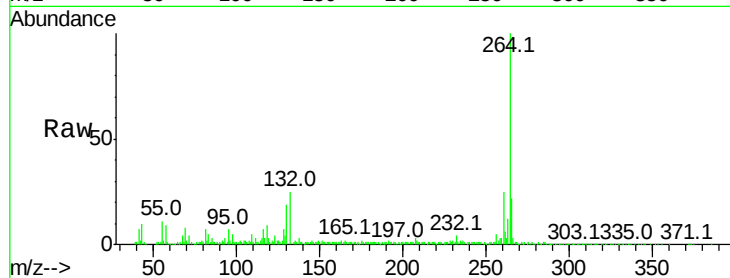




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

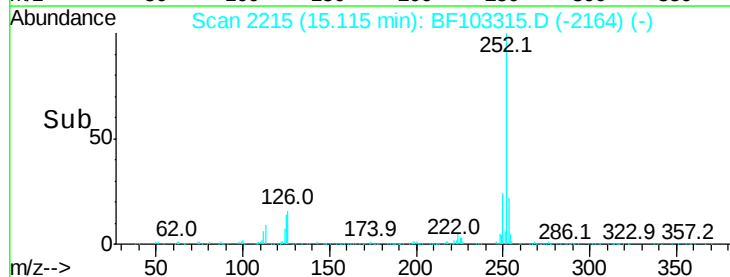
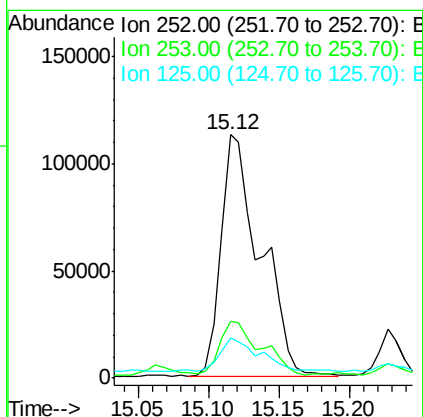
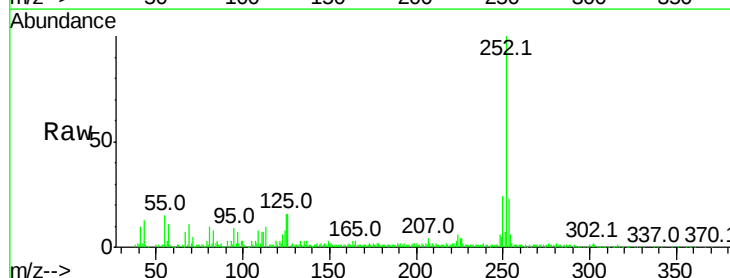
Instrument :
BNA_F
ClientSampleId :

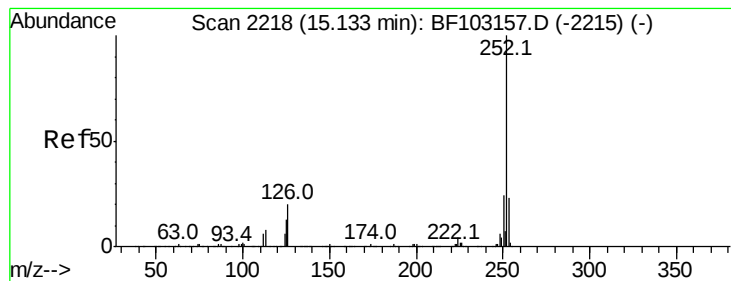
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 16.629 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	16.3	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 17.659 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.04 min

Lab File: BF103315.D

Acq: 1 Mar 2018 1:11

Instrument :

BNA_F

ClientSampleId :

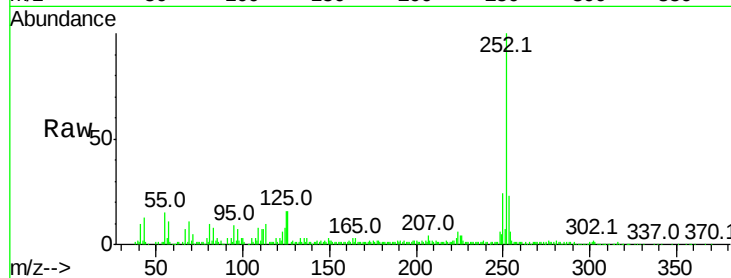
Tot Ion:252 Resp: 220326

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

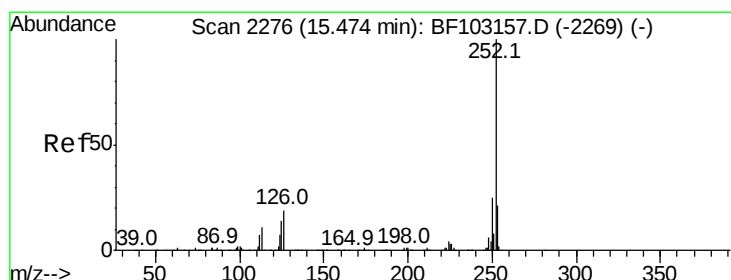
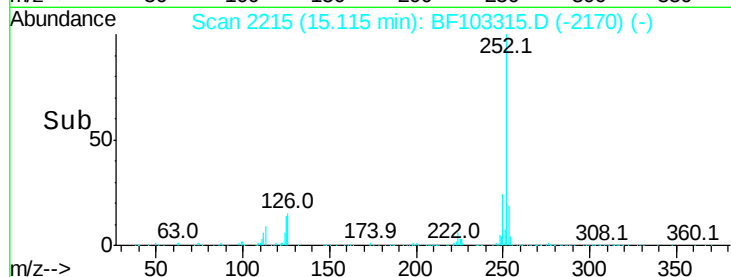
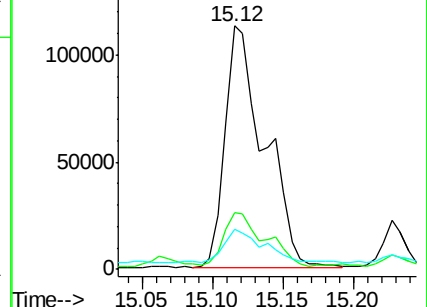
125 16.3 10.2 15.2#



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: 9.092 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF103315.D

Acq: 1 Mar 2018 1:11

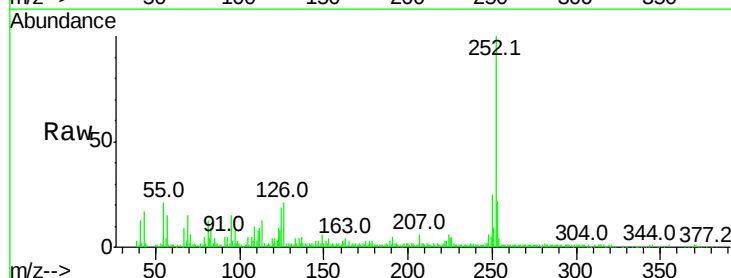
Tgt Ion:252 Resp: 107581

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

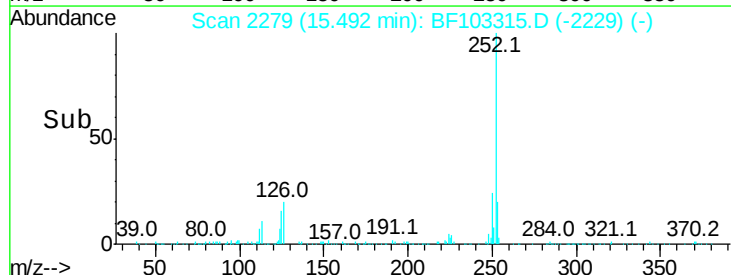
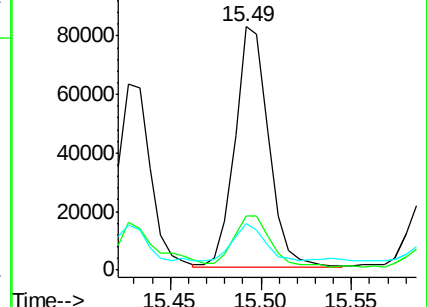
125 19.1 9.8 14.6#

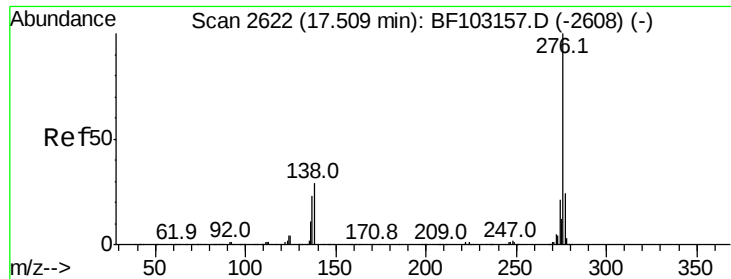


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

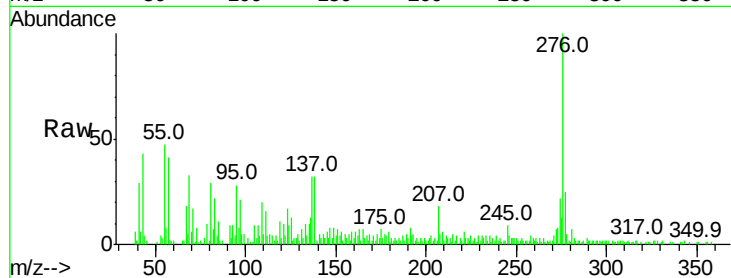




#91
 Benzo(a,h,i)perylene
 Concen: 6.364 ng
 RT: 17.55 min Scan# 2629
 Delta R.T. 0.01 min
 Lab File: BF103315.D
 Acq: 1 Mar 2018 1:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	31.6	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

