

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103420.D
 Acq On : 5 Mar 2018 20:30
 Operator : SJ/JU
 Sample : J1723-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 05 23:53:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	123391	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	528506	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	240710	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	394943	20.00	ng	0.00
75) Chrysene-d12	14.07	240	235608	20.00	ng	0.00
86) Perylene-d12	15.59	264	201381	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	681610	83.55	ng	0.00
7) Phenol-d6	6.52	99	864596	86.61	ng	0.00
23) Nitrobenzene-d5	7.44	82	513101	55.44	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	133576	65.56	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	763408	49.14	ng	0.00
78) Terphenyl-d14	13.00	244	573889	58.55	ng	0.00

Target Compounds

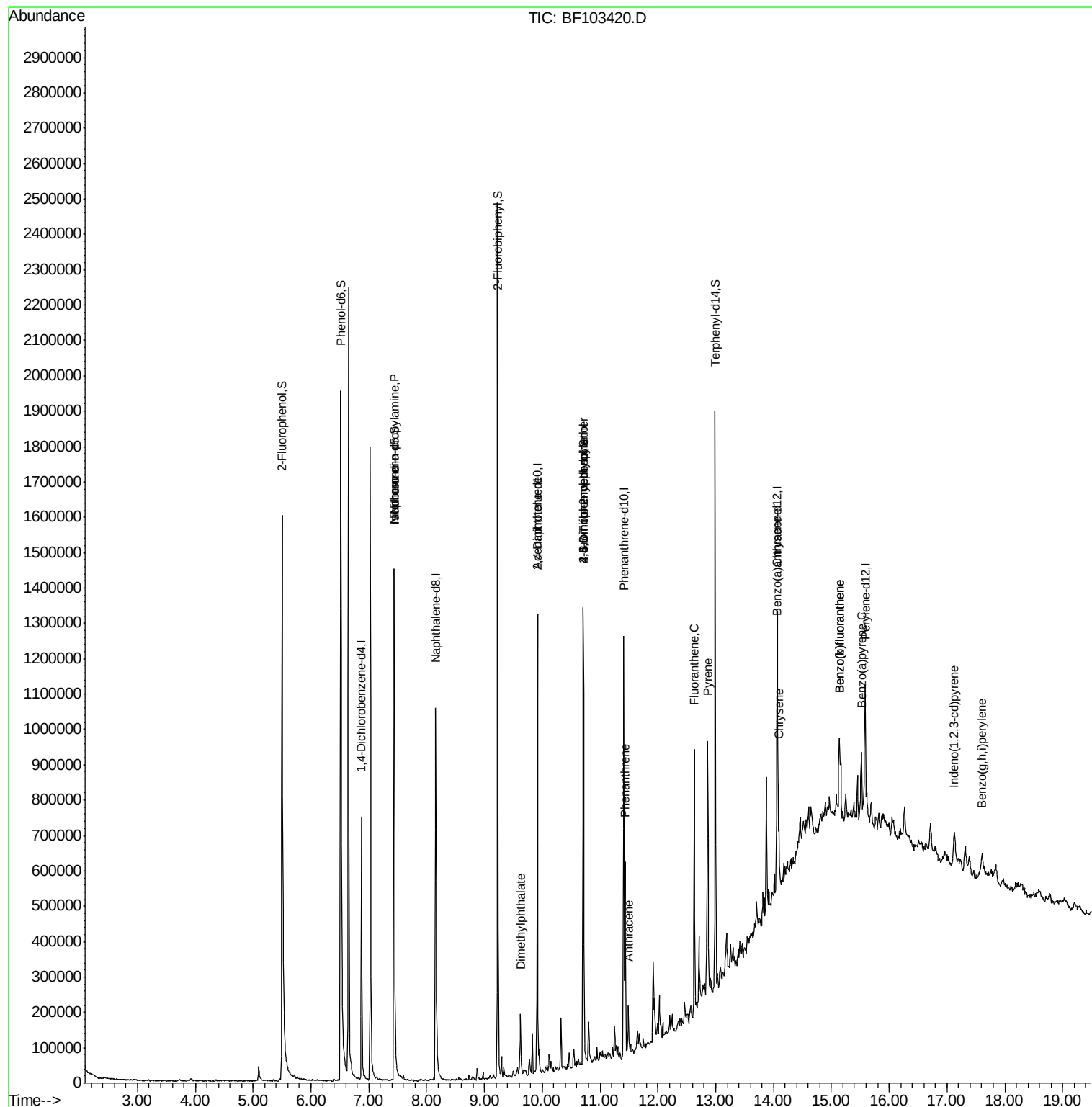
						Qvalue
9) Benzaldehyde	6.46	77	583	Below Cal	#	17
19) n-Nitroso-di-n-propylamine	7.44	70	70678	11.376 ng	#	82
25) Isophorone	7.44	82	513101	28.151 ng	#	64
49) Dimethylphthalate	9.62	163	64736	3.352 ng		100
56) 2,4-Dinitrotoluene	9.92	165	32047	6.253 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.71	198	235	5.033 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	9415	2.288 ng	#	1
70) Phenanthrene	11.43	178	176112	8.103 ng		99
71) Anthracene	11.49	178	51511	2.311 ng		98
74) Fluoranthene	12.63	202	297792	13.634 ng		99
77) Pyrene	12.86	202	273335	14.880 ng		99
80) Benzo(a)anthracene	14.06	228	133359	8.724 ng		98
82) Chrysene	14.09	228	113086	7.619 ng		97
85) Indeno(1,2,3-cd)pyrene	17.13	276	49610	4.222 ng		97
87) Benzo(b)fluoranthene	15.14	252	195181	14.741 ng	#	90
88) Benzo(k)fluoranthene	15.14	252	195181	15.654 ng	#	92
89) Benzo(a)pyrene	15.52	252	99718	8.434 ng	#	89
91) Benzo(g,h,i)perylene	17.60	276	48066	5.383 ng		90

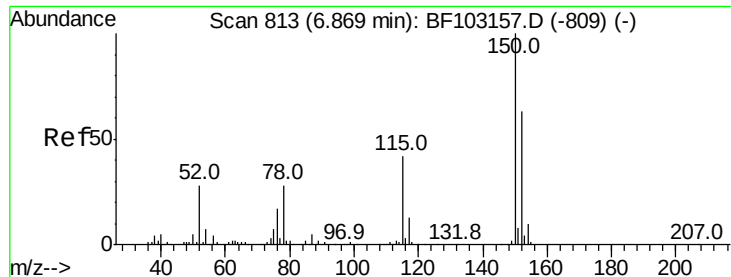
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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BNA_F
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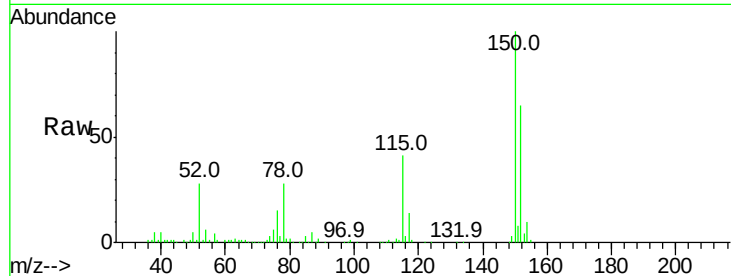


#1

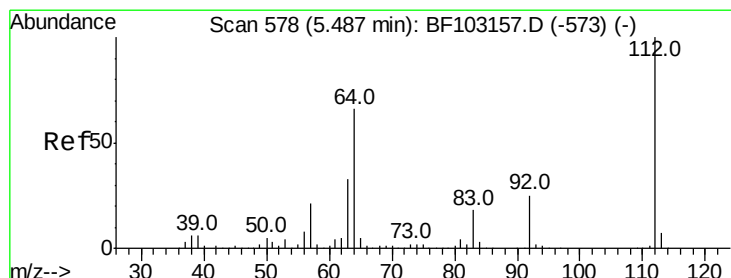
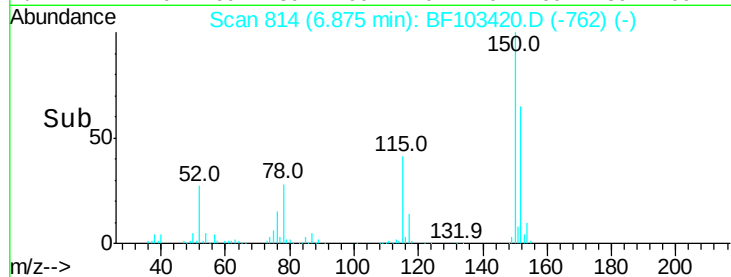
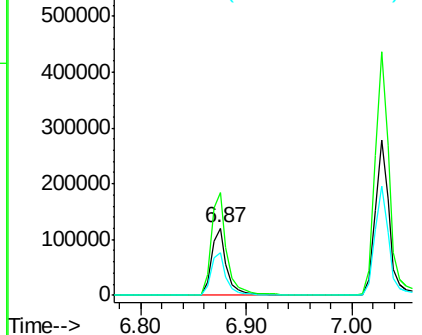
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103420.D
Acq: 5 Mar 2018 20:30

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	62.3	50.1	75.1



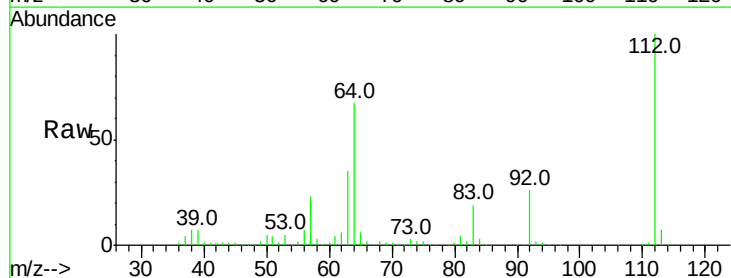
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



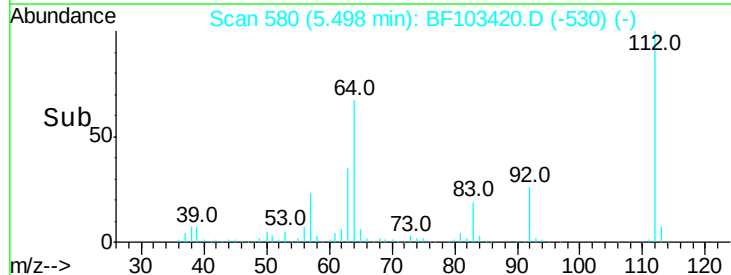
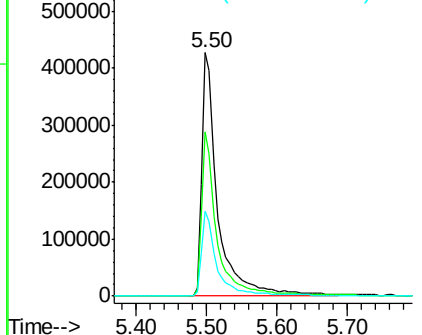
#5

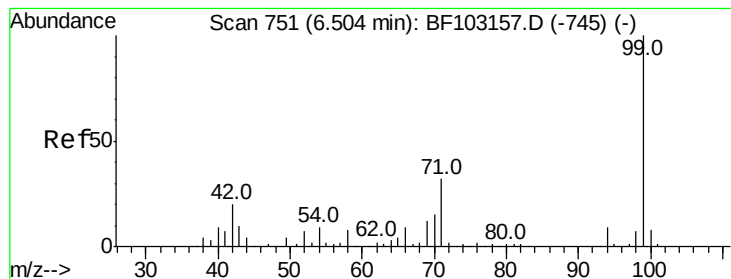
2-Fluorophenol
Concen: 83.546 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF103420.D
Acq: 5 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	47.9	71.9
63	35.1	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 86.606 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103420.D

Acq: 5 Mar 2018 20:30

Instrument :

BNA_F

ClientSampleId :

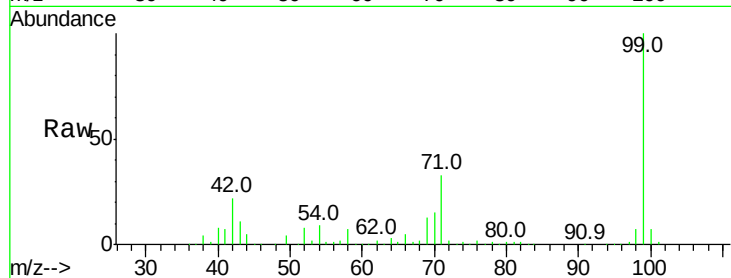
Tot Ion: 99 Resp: 864596

Ion Ratio Lower Upper

99 100

42 21.5 14.5 21.7

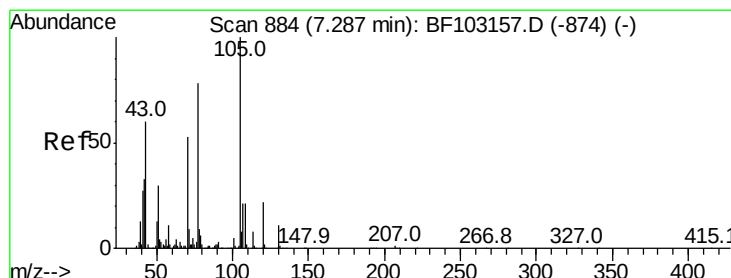
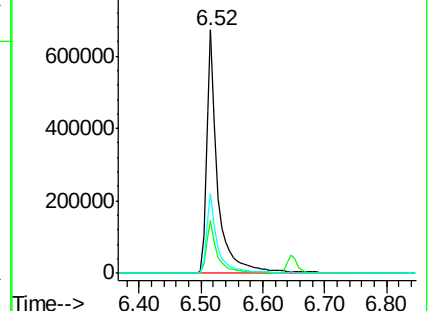
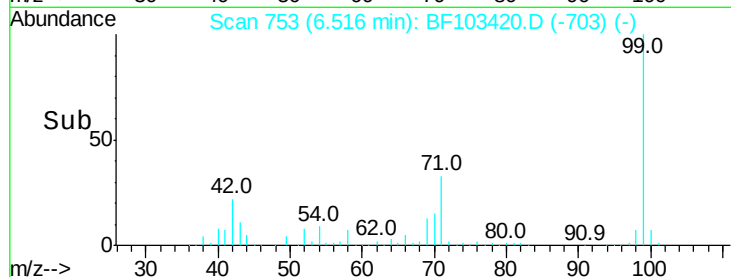
71 32.7 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.376 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.16 min

Lab File: BF103420.D

Acq: 5 Mar 2018 20:30

Tgt Ion: 70 Resp: 70678

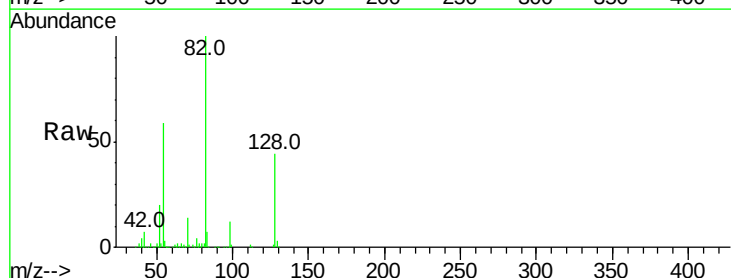
Ion Ratio Lower Upper

70 100

42 52.3 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

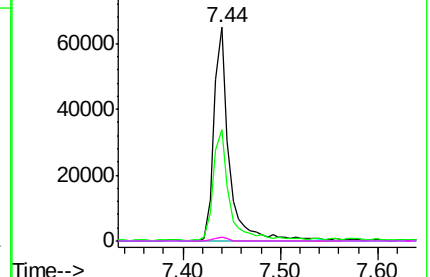
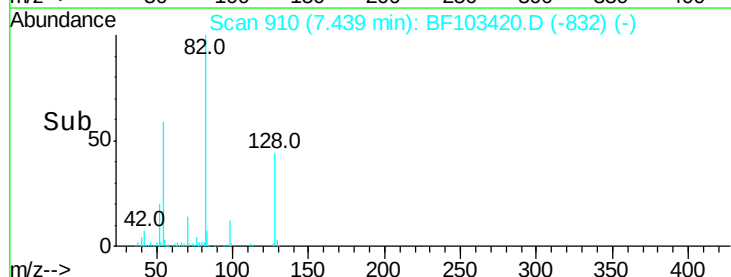


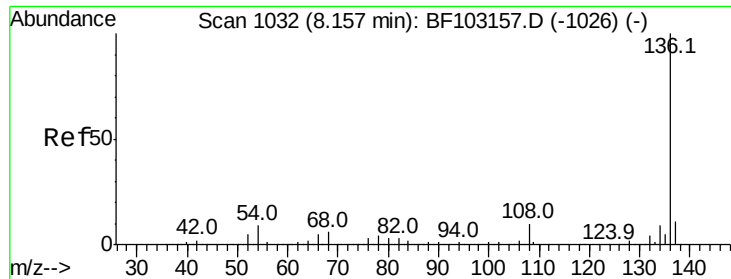
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

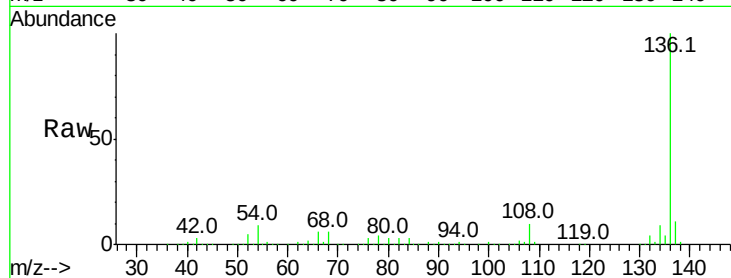




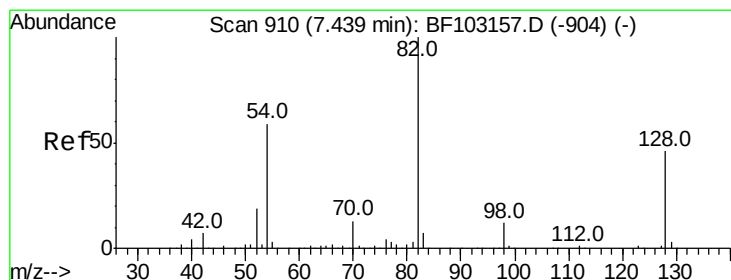
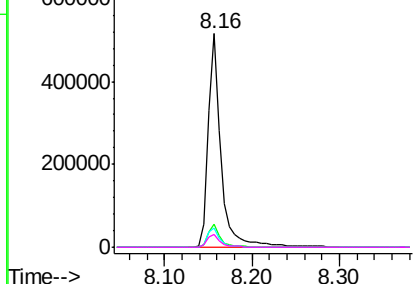
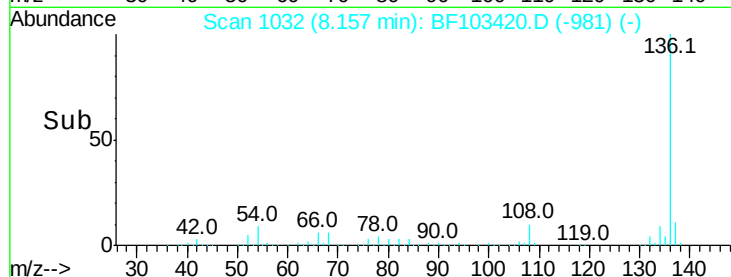
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103420.D
Acq: 5 Mar 2018 20:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	528506
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.8	6.6	9.8
68	6.3	5.0	7.4

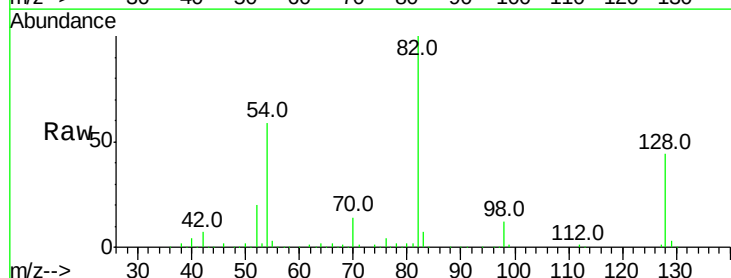


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

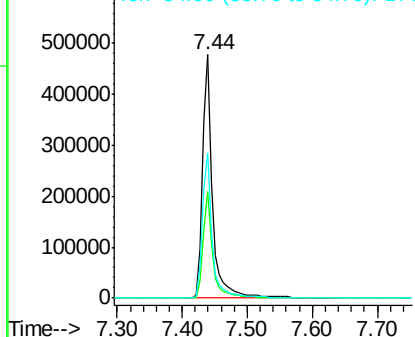
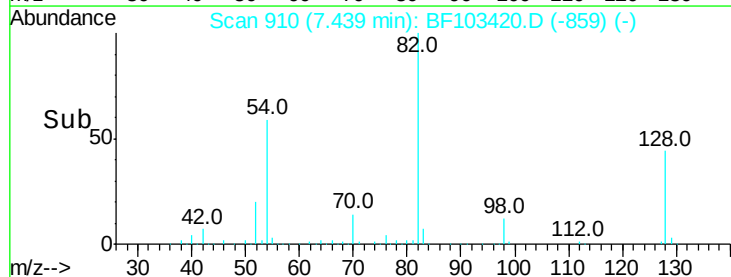


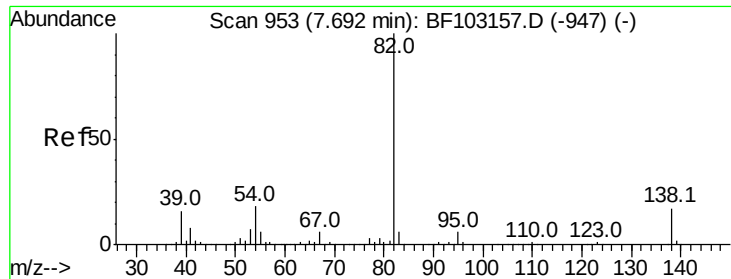
#23
Nitrobenzene-d5
Concen: 55.444 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF103420.D
Acq: 5 Mar 2018 20:30

Tgt Ion:	82	Resp:	513101
Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	59.3	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: 28.151 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103420.D

Acq: 5 Mar 2018 20:30

Instrument :

BNA_F

ClientSampled :

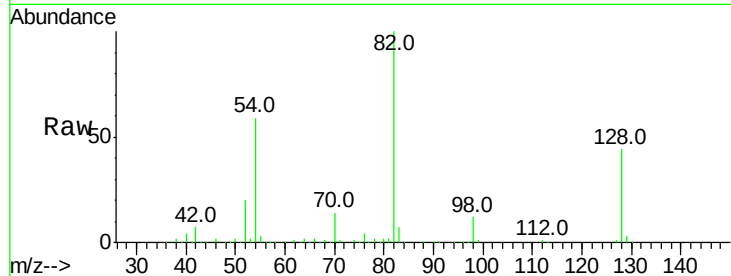
Tot Ion: 82 Resp: 513101

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

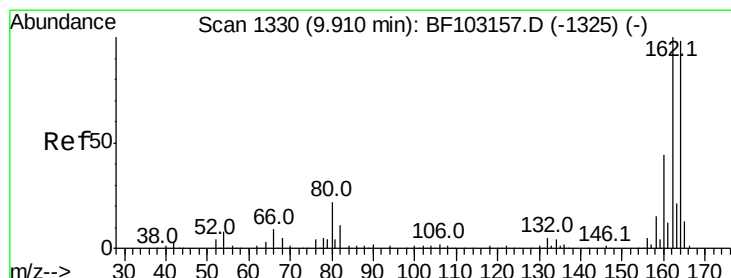
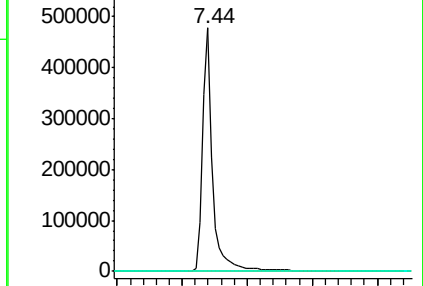
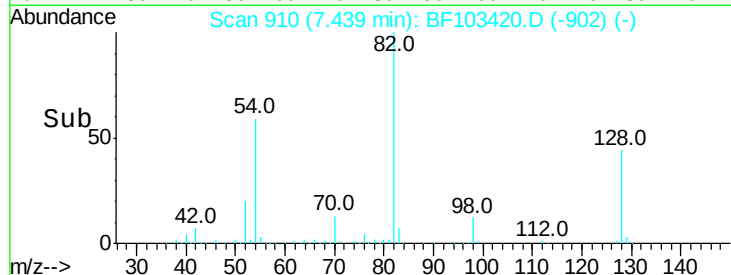
138 0.0 14.9 22.3#



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: BF103420.D

Acq: 5 Mar 2018 20:30

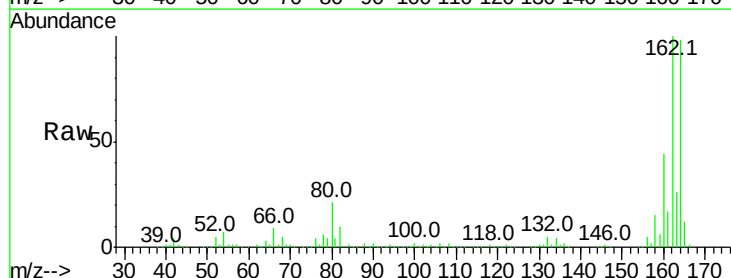
Tgt Ion:164 Resp: 240710

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

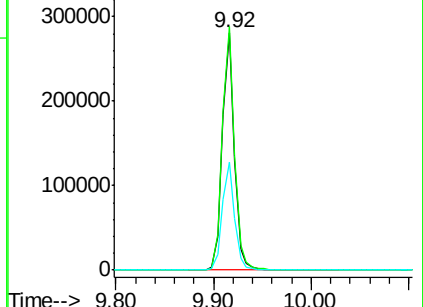
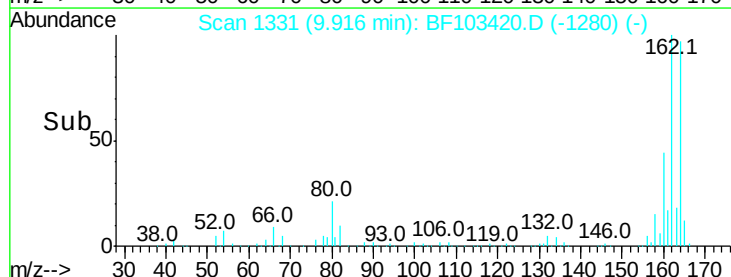
160 45.5 38.3 57.5

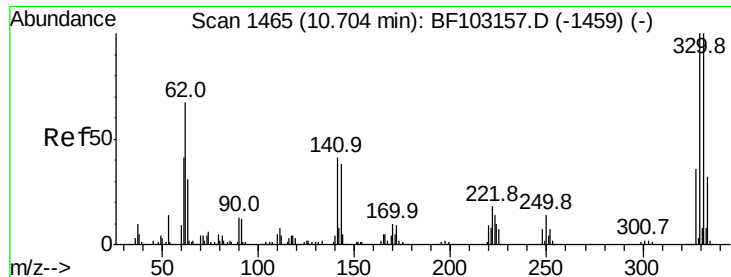


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

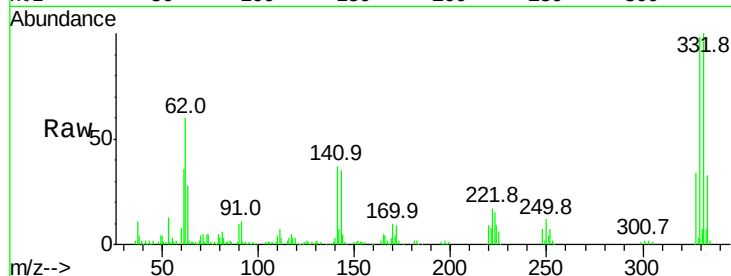




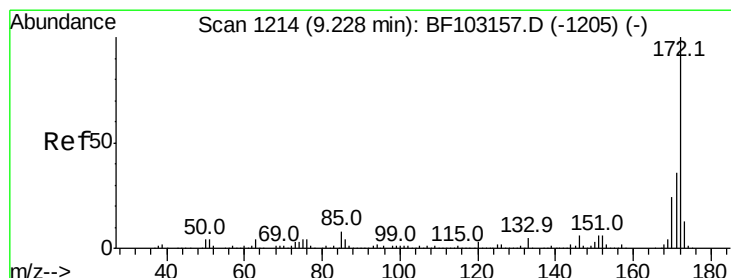
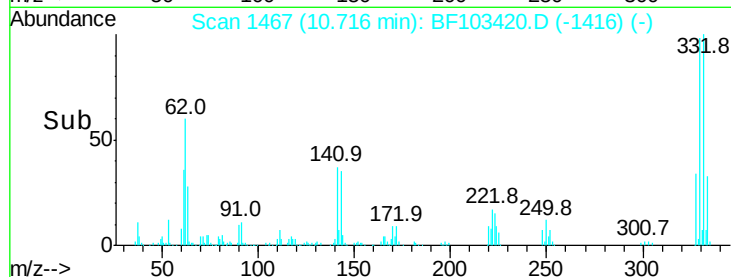
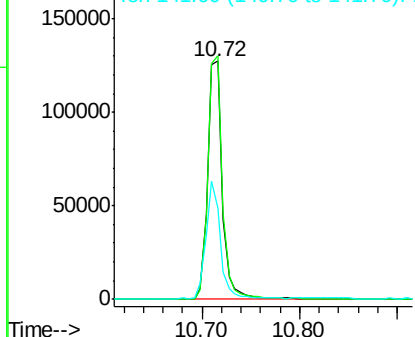
#41
 2,4,6-Tribromophenol
 Concen: 65.559 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF103420.D
 Acq: 5 Mar 2018 20:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 133576
 Ion Ratio Lower Upper
 330 100
 332 101.5 77.0 115.6
 141 47.7 29.9 44.9#

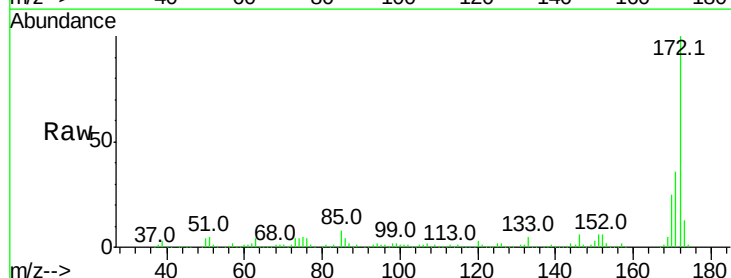


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

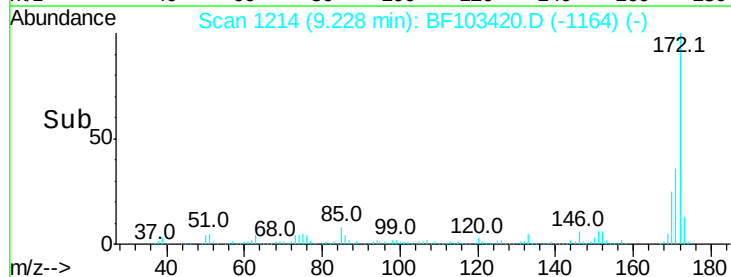
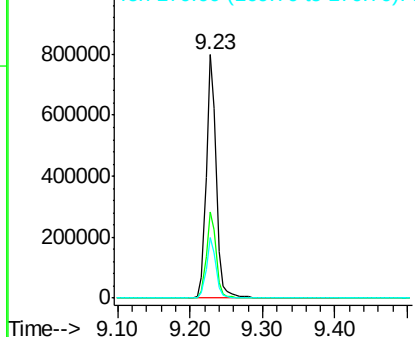


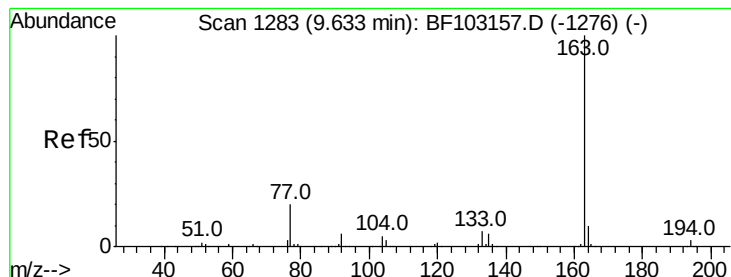
#44
 2-Fluorobiphenyl
 Concen: 49.144 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103420.D
 Acq: 5 Mar 2018 20:30

Tgt Ion:172 Resp: 763408
 Ion Ratio Lower Upper
 172 100
 171 35.6 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: 3.352 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103420.D

Acq: 5 Mar 2018 20:30

Instrument :

BNA_F

ClientSampleId :

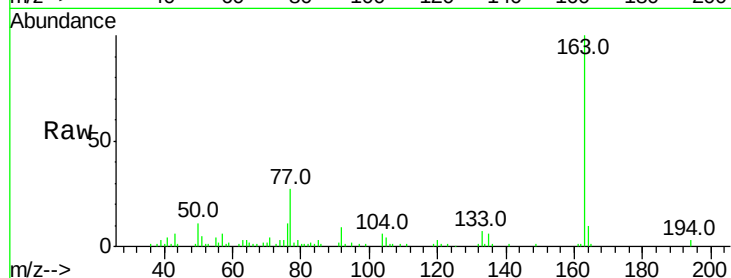
Tot Ion:163 Resp: 64736

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

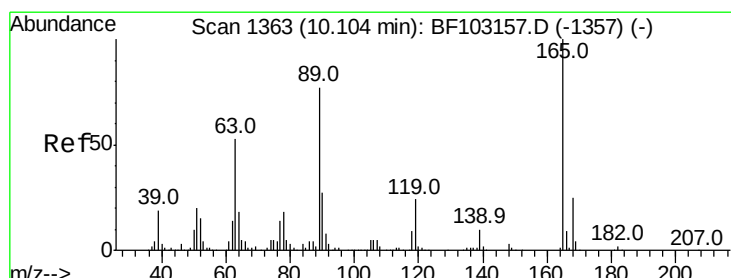
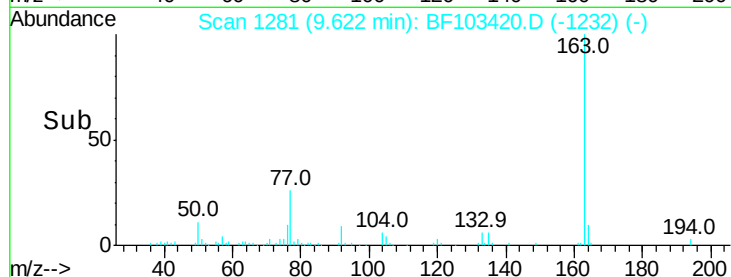
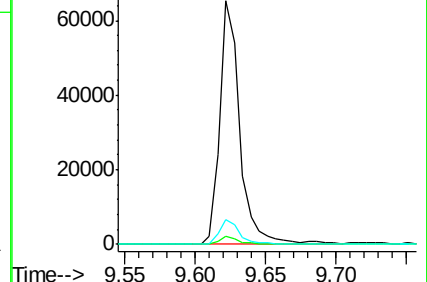
164 10.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.253 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.20 min

Lab File: BF103420.D

Acq: 5 Mar 2018 20:30

Tgt Ion:165 Resp: 32047

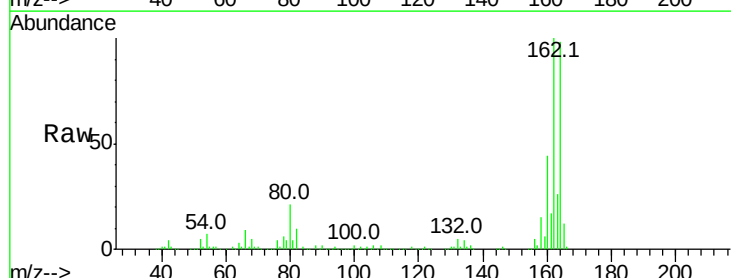
Ion Ratio Lower Upper

165 100

63 2.4 36.4 54.6#

89 1.9 57.8 86.6#

182 0.0 1.6 2.4#

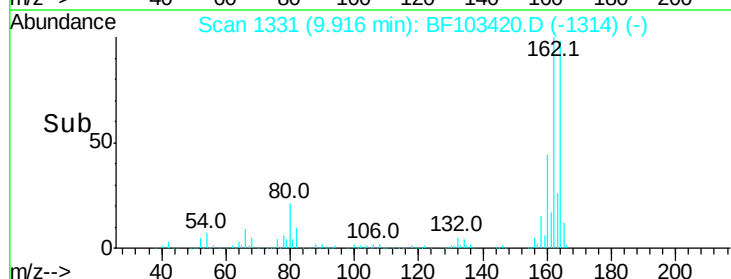
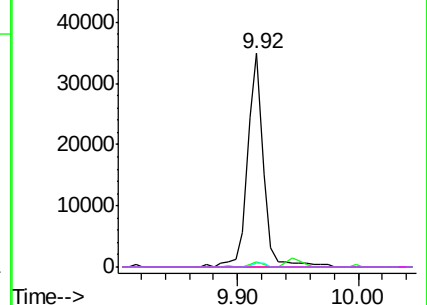


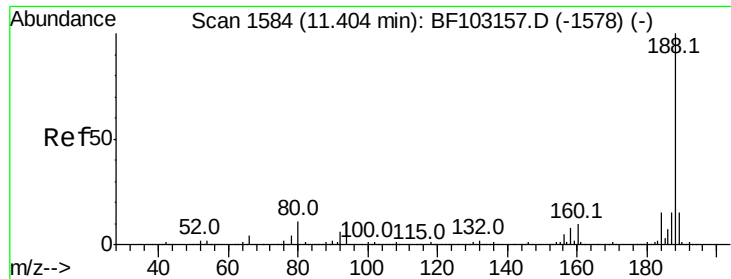
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

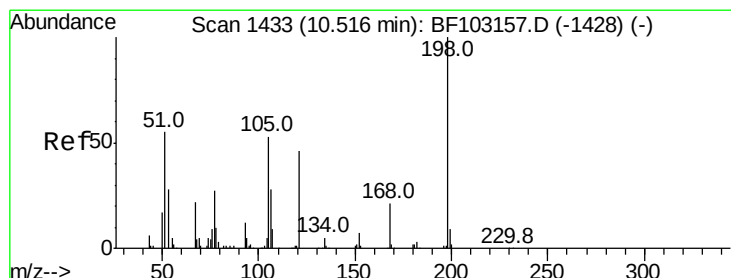
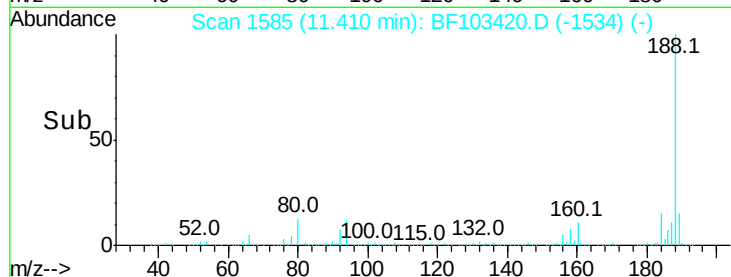
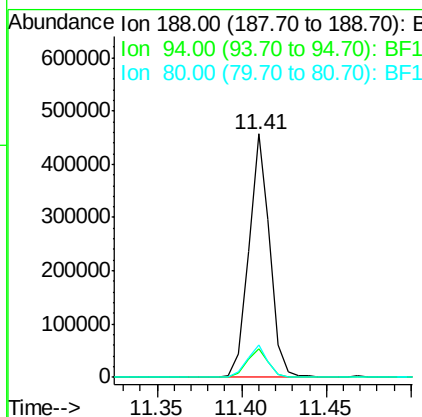
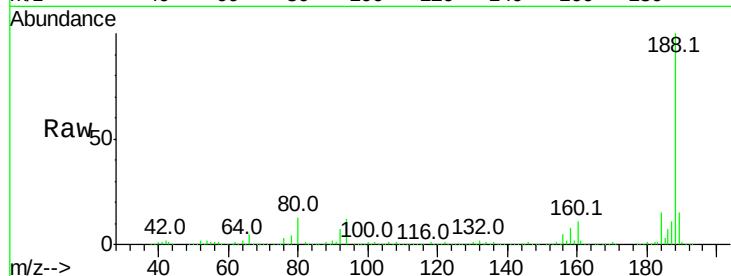




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF103420.D
Acq: 5 Mar 2018 20:30

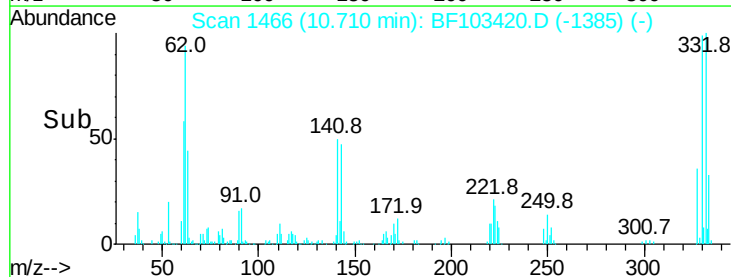
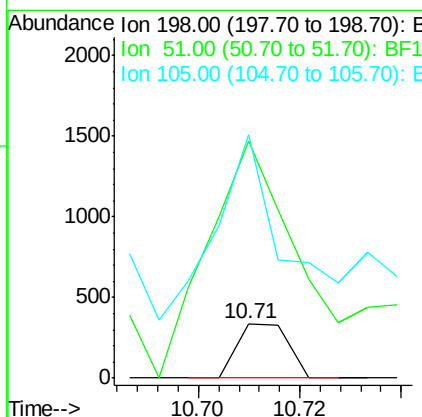
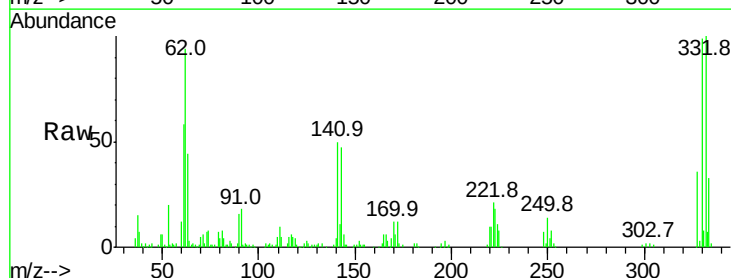
Instrument :
BNA_F
ClientSampleId :

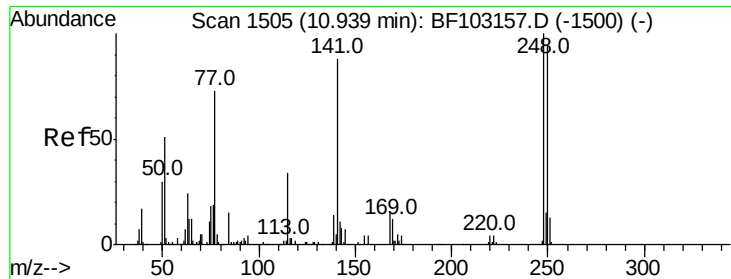
Tot Ion:188 Resp: 394943
Ion Ratio Lower Upper
188 100
94 12.0 8.5 12.7
80 13.1 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.033 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.18 min
Lab File: BF103420.D
Acq: 5 Mar 2018 20:30

Tgt Ion:198 Resp: 235
Ion Ratio Lower Upper
198 100
51 434.8 37.7 77.7#
105 445.4 36.3 76.3#

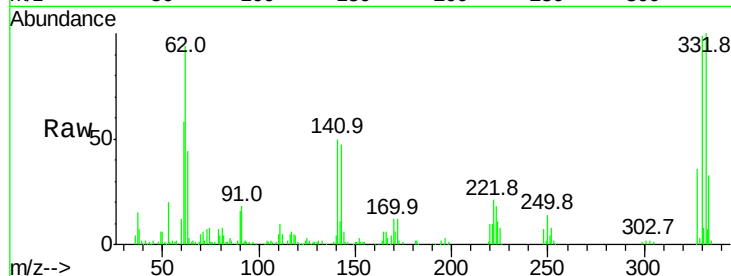




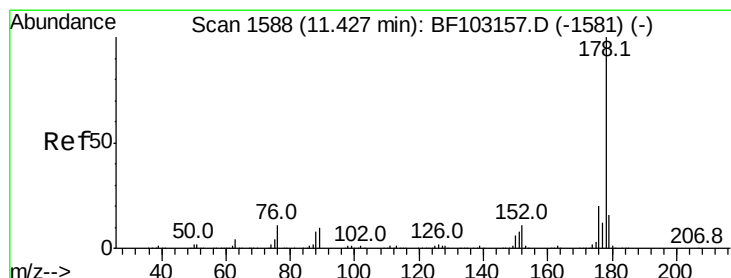
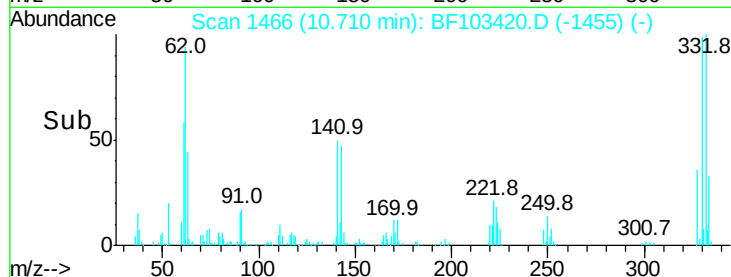
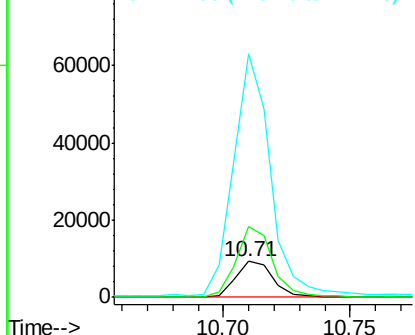
#66
4-Bromophenyl-phenylether
Concen: 2.288 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103420.D
Acq: 5 Mar 2018 20:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 9415
Ion Ratio Lower Upper
248 100
250 197.9 76.9 115.3#
141 683.3 74.4 111.6#

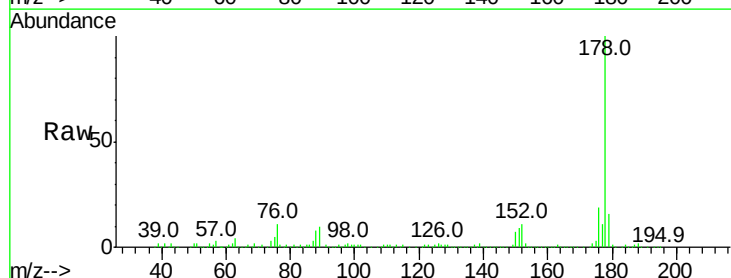


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

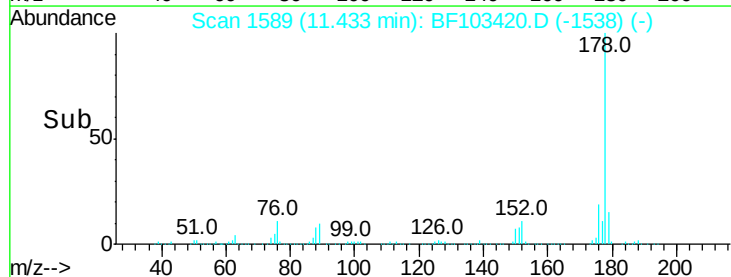
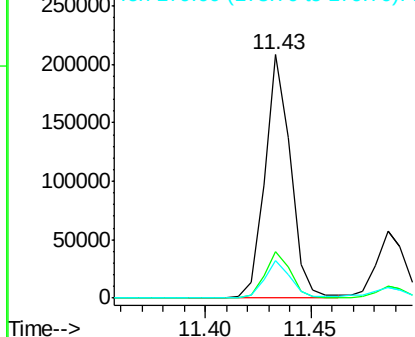


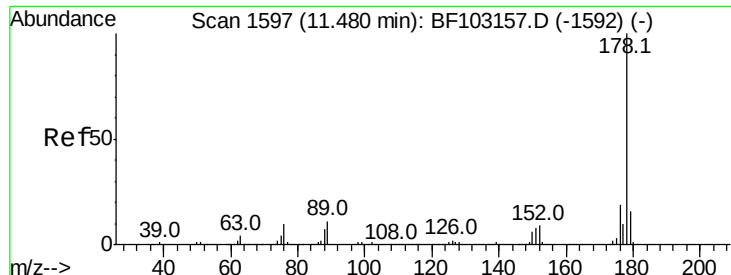
#70
Phenanthrene
Concen: 8.103 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF103420.D
Acq: 5 Mar 2018 20:30

Tgt Ion:178 Resp: 176112
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.5 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: 2.311 ng

RT: 11.49 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BF103420.D

Acq: 5 Mar 2018 20:30

Instrument :

BNA_F

ClientSampleId :

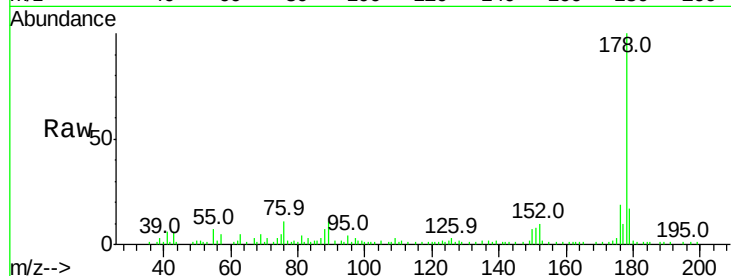
Tot Ion:178 Resp: 51511

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	16.7	12.6	19.0

178 100

176 18.7 15.4 23.2

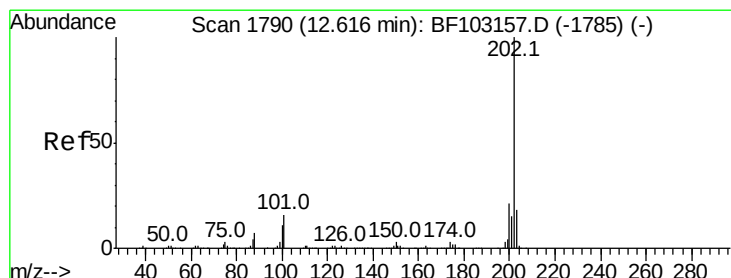
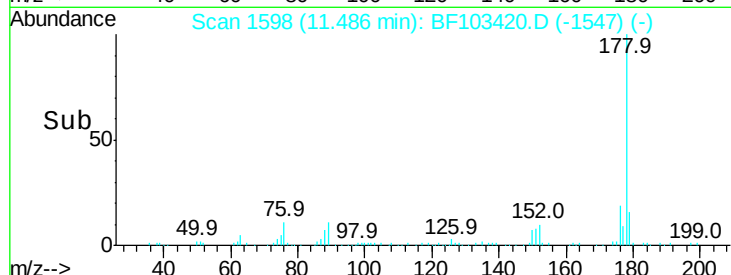
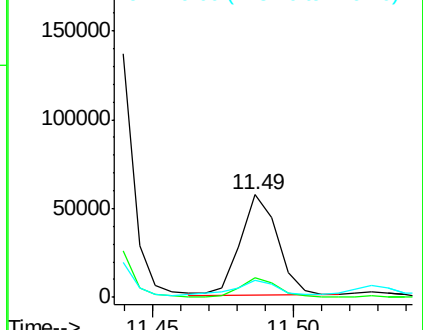
179 16.7 12.6 19.0



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: 13.634 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF103420.D

Acq: 5 Mar 2018 20:30

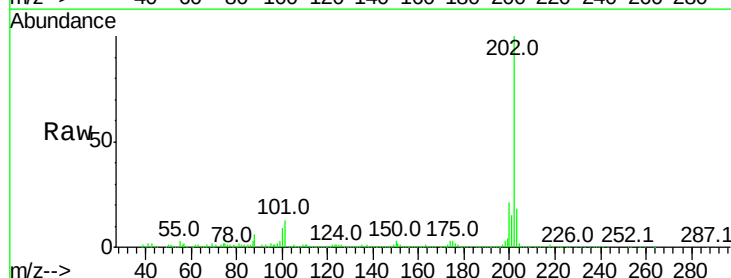
Tgt Ion:202 Resp: 297792

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	18.0	0.0	38.1

202 100

101 13.0 0.0 34.1

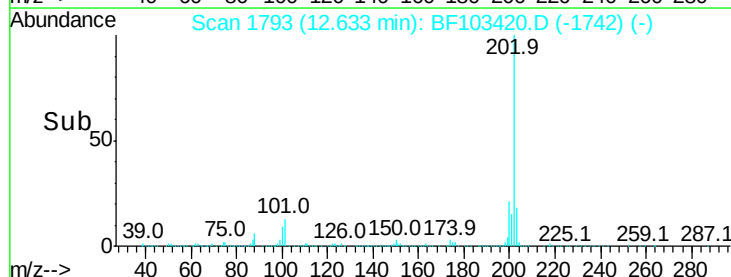
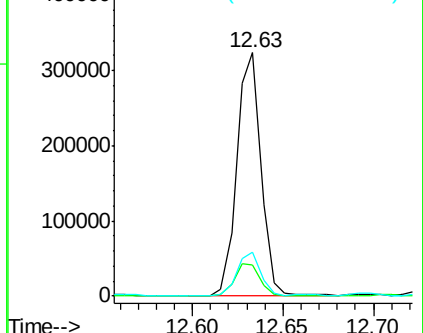
203 18.0 0.0 38.1

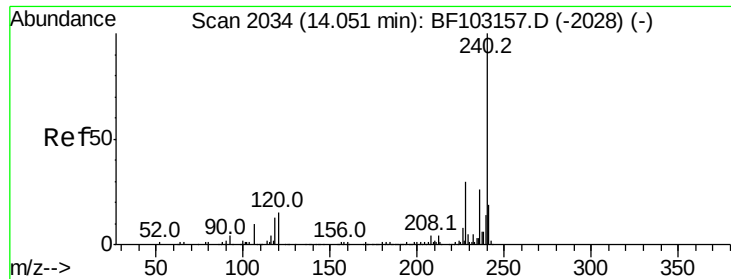


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.07 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF103420.D

Acq: 5 Mar 2018 20:30

Instrument :

BNA_F

ClientSampleId :

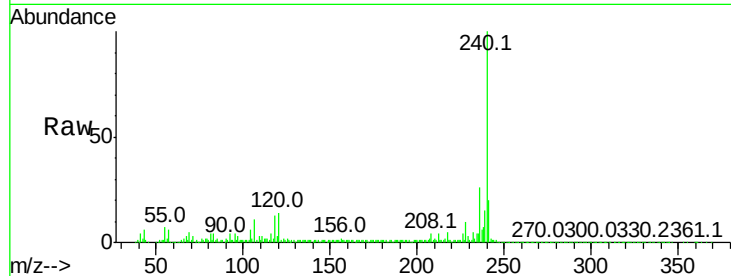
Tot Ion:240 Resp: 235608

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

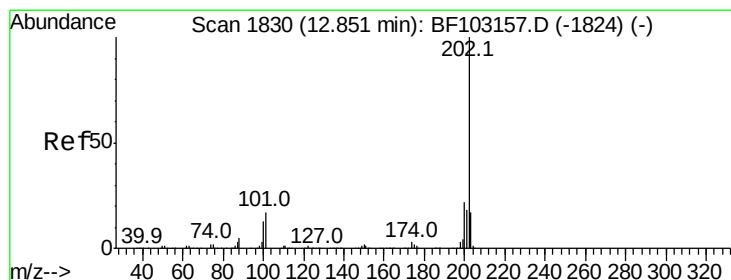
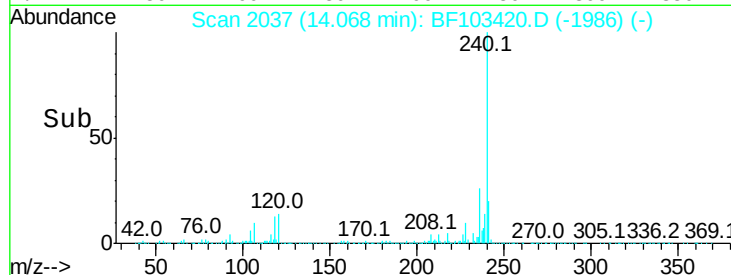
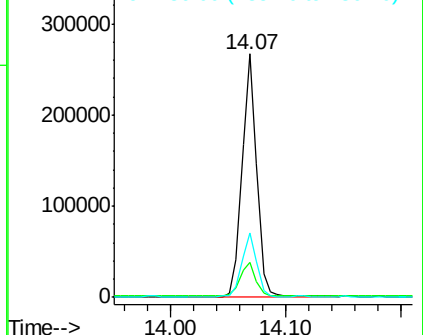
236 26.2 20.7 31.1



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: 14.880 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF103420.D

Acq: 5 Mar 2018 20:30

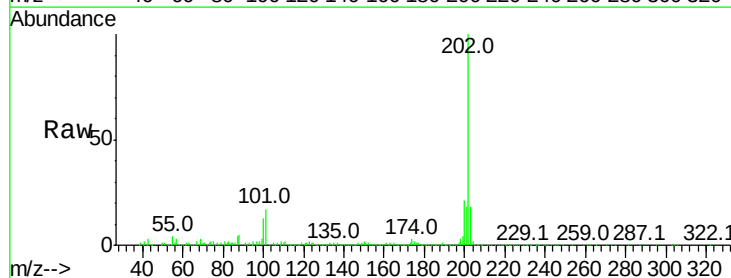
Tgt Ion:202 Resp: 273335

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

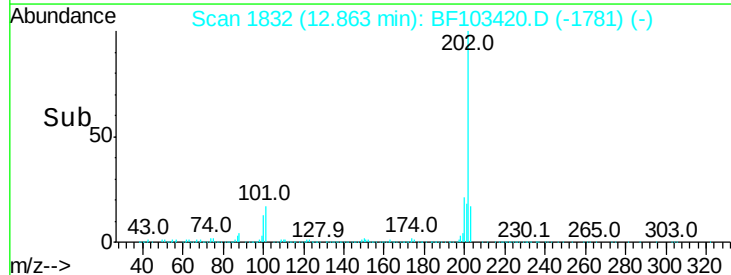
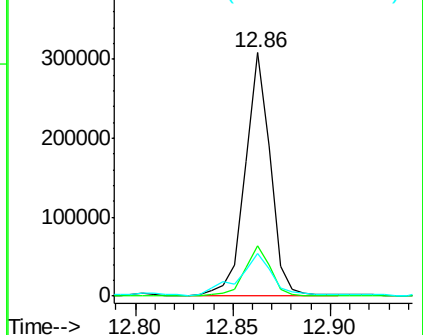
203 17.6 14.3 21.5

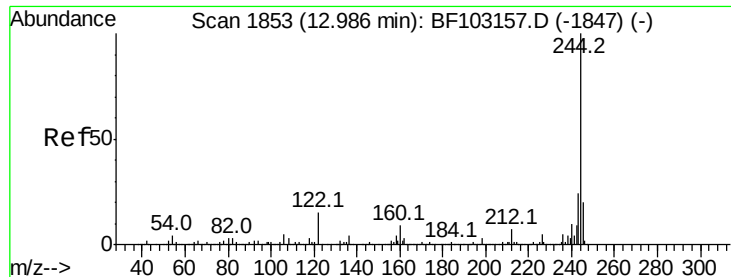


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



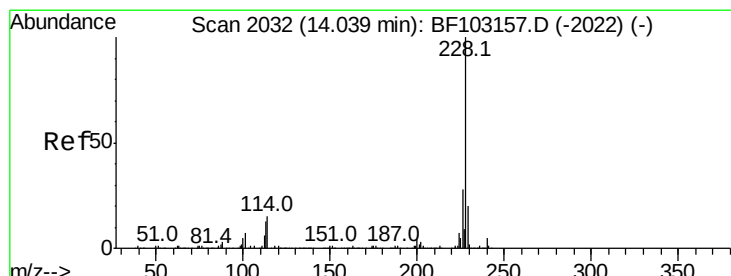
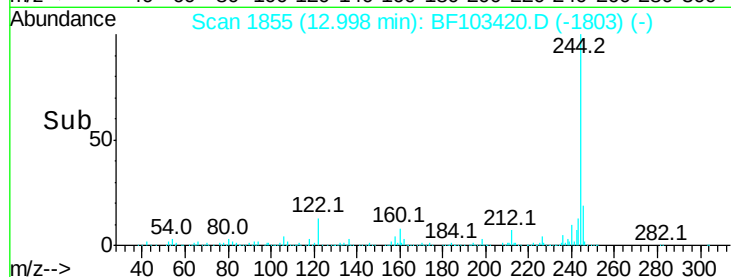
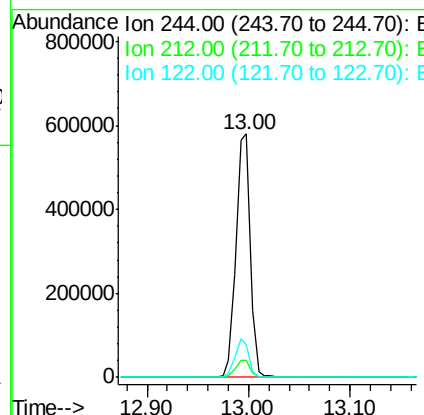
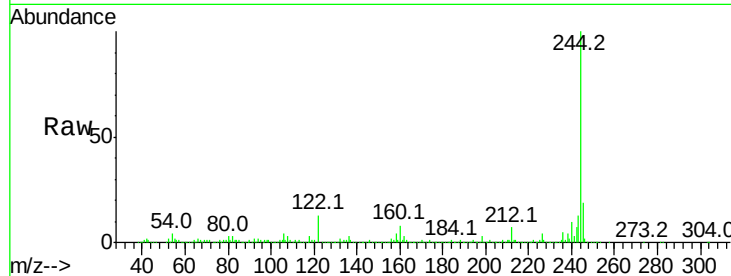


#78
 Terphenyl-d14
 Concen: 58.553 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: BF103420.D
 Acq: 5 Mar 2018 20:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 573889

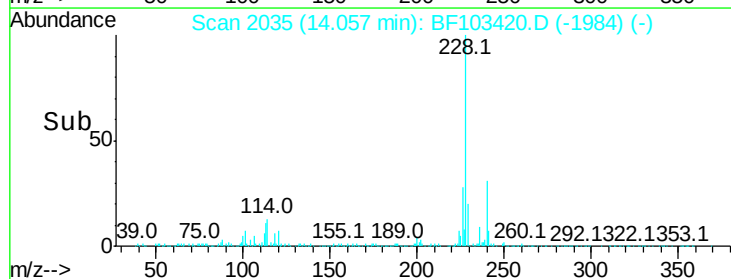
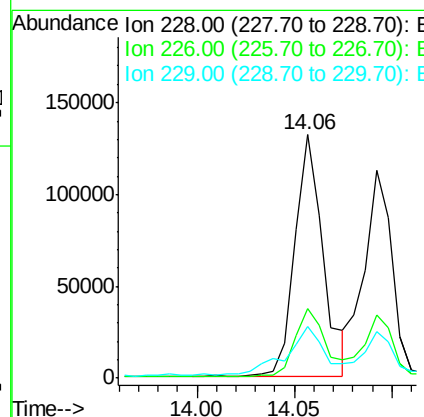
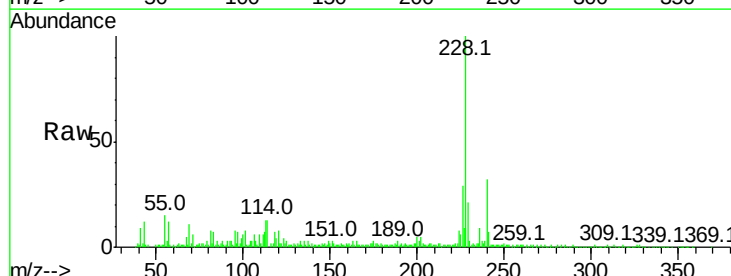
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.3	11.0	16.4

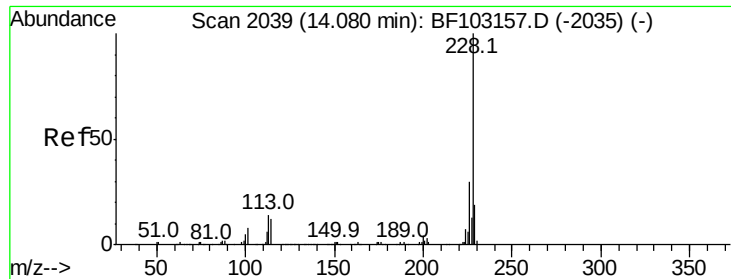


#80
 Benzo(a)anthracene
 Concen: 8.724 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: BF103420.D
 Acq: 5 Mar 2018 20:30

Tgt Ion:228 Resp: 133359

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	21.1	15.8	23.6

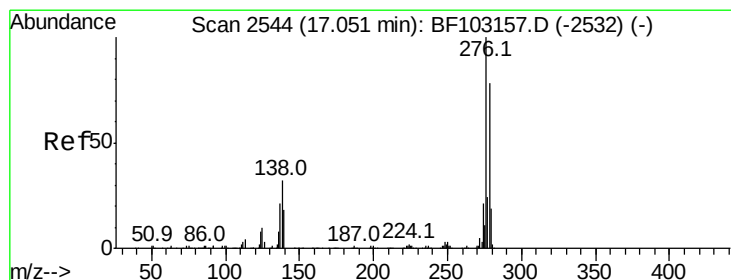
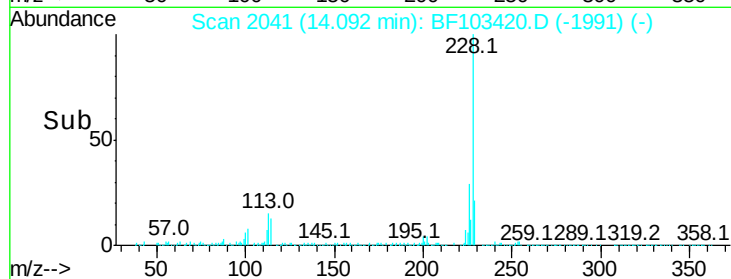
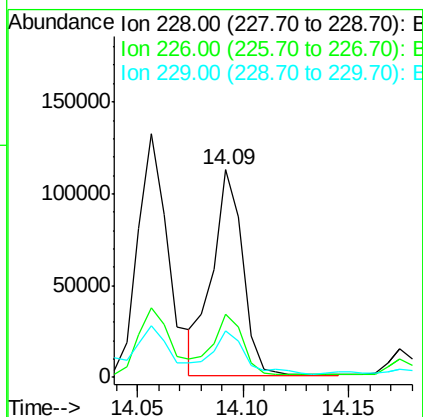
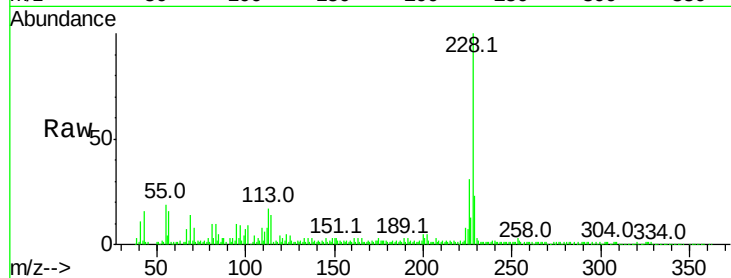




#82
Chrysene
Concen: 7.619 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103420.D
Acq: 5 Mar 2018 20:30

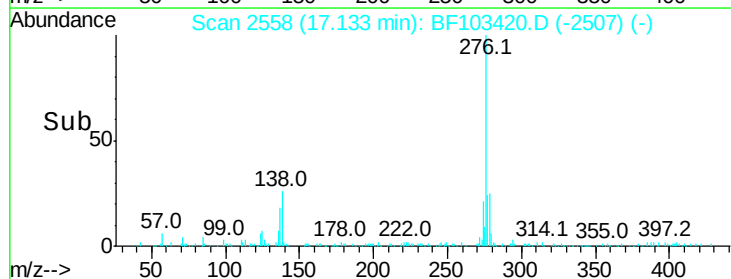
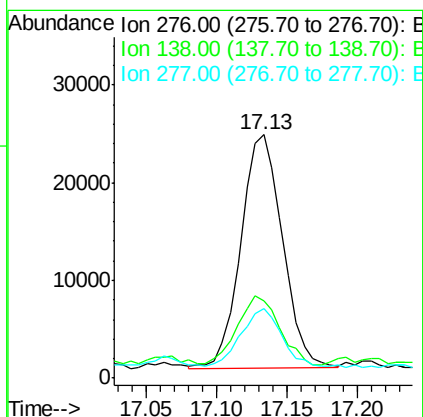
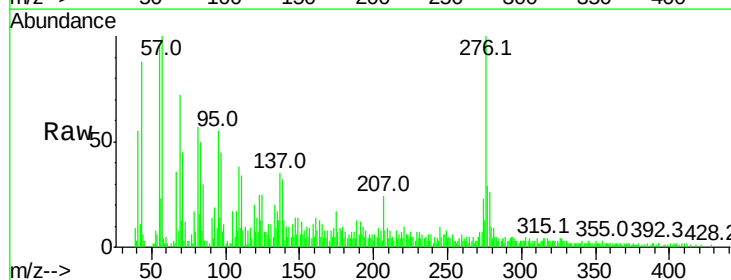
Instrument :
BNA_F
ClientSampleId :

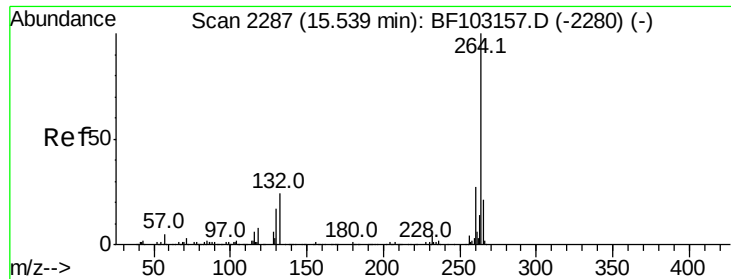
Tot Ion:228 Resp: 113086
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 22.7 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.222 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BF103420.D
Acq: 5 Mar 2018 20:30

Tgt Ion:276 Resp: 49610
Ion Ratio Lower Upper
276 100
138 29.4 25.0 37.6
277 23.6 20.1 30.1

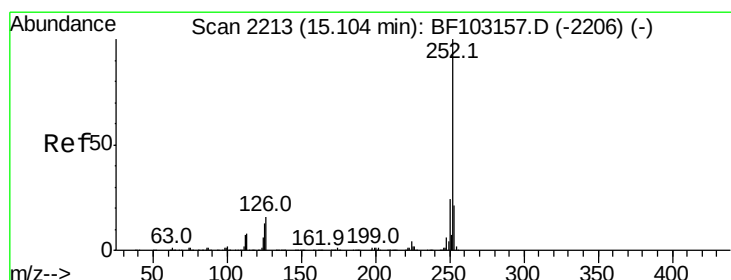
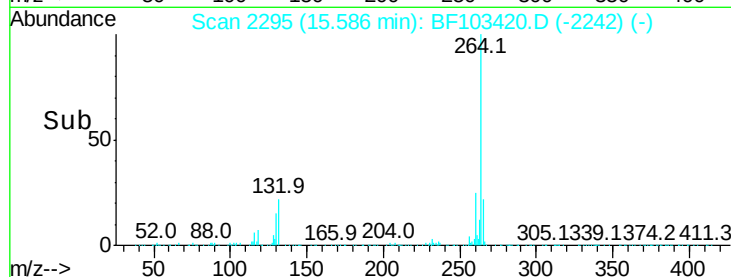
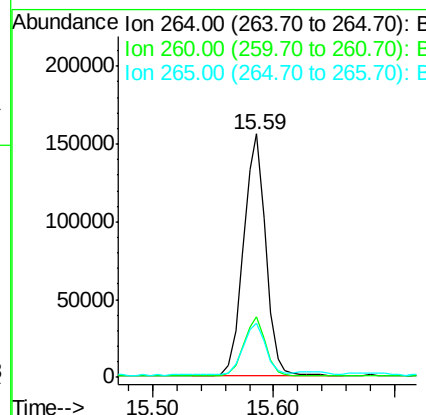
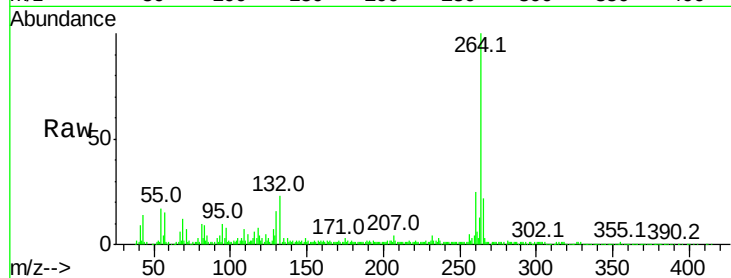




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF103420.D
Acq: 5 Mar 2018 20:30

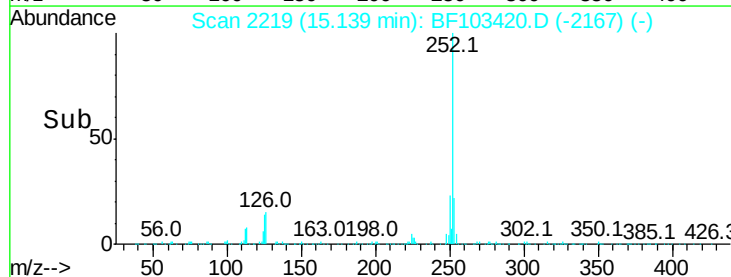
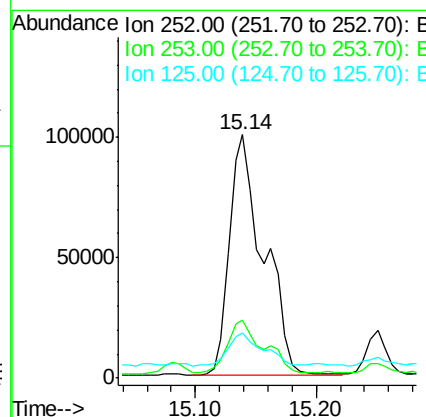
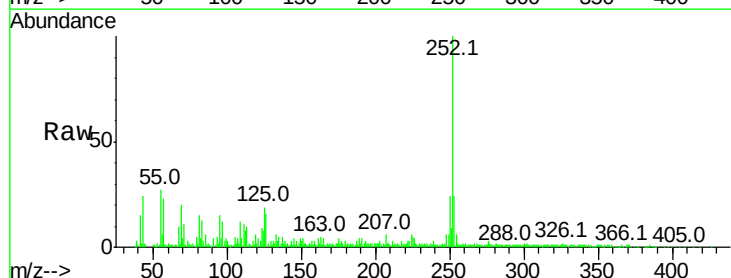
Instrument :
BNA_F
ClientSampleId :

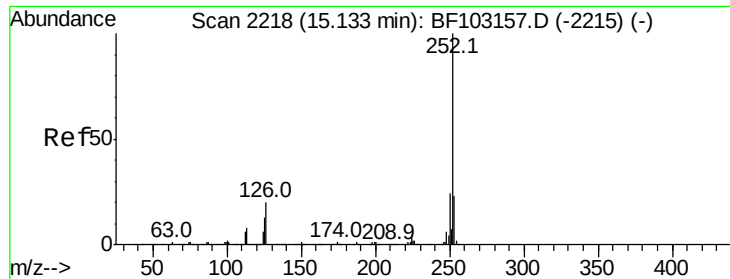
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	22.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 14.741 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF103420.D
Acq: 5 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	18.7	9.0	13.6

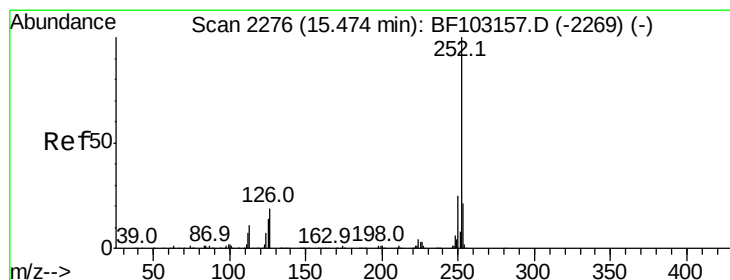
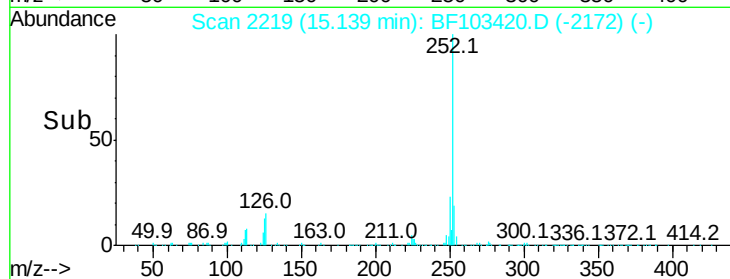
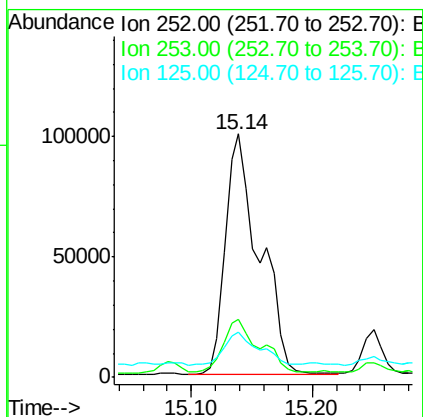
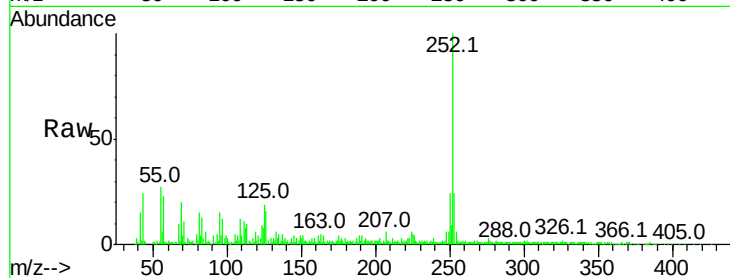




#88
Benzo(k)fluoranthene
Concen: 15.654 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BF103420.D
Acq: 5 Mar 2018 20:30

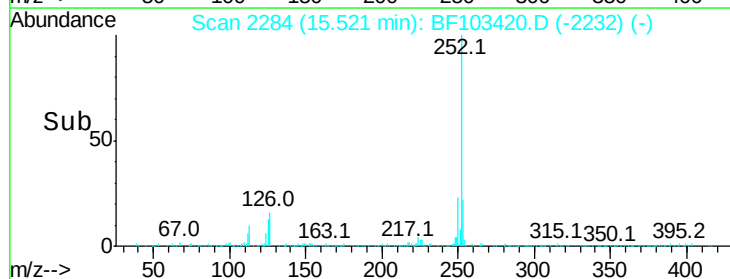
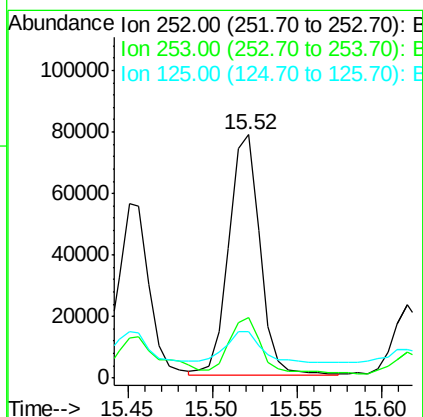
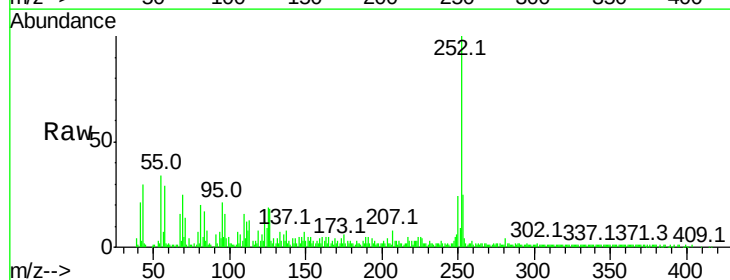
Instrument :
BNA_F
ClientSampleId :

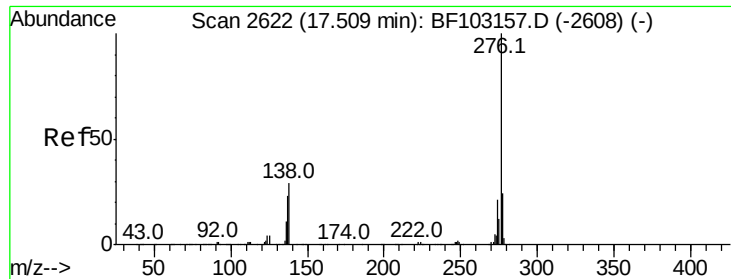
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	18.7	10.2	15.2



#89
Benzo(a)pyrene
Concen: 8.434 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF103420.D
Acq: 5 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	19.2	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 5.383 ng

RT: 17.60 min Scan# 2638

Delta R.T. 0.01 min

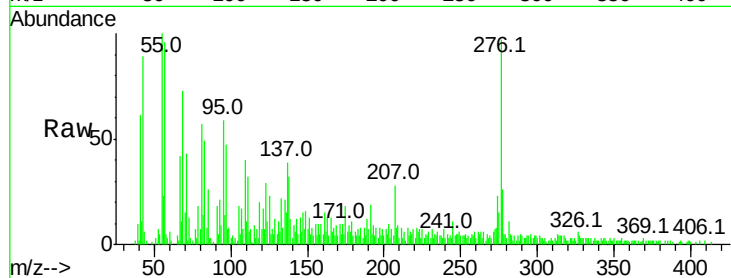
Lab File: BF103420.D

Acq: 5 Mar 2018 20:30

Instrument :

BNA_F

ClientSampleId :



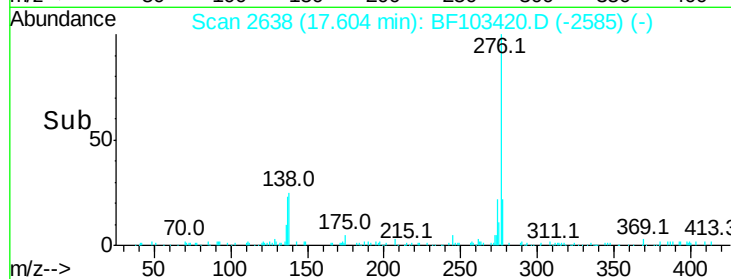
Tot Ion:276 Resp: 48066

Ion Ratio Lower Upper

276 100

277 26.8 17.9 26.9

138 32.5 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

