

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
 Data File : BF103308.D
 Acq On : 28 Feb 2018 22:04
 Operator : SJ/JU
 Sample : J1716-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 00:05:22 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	163910	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	686957	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	285228	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	385101	20.00	ng	0.00
75) Chrysene-d12	14.06	240	252603	20.00	ng	0.00
86) Perylene-d12	15.56	264	239213	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1081969	99.84	ng	0.00
7) Phenol-d6	6.51	99	1282794	96.73	ng	0.00
23) Nitrobenzene-d5	7.44	82	864001	71.83	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	179737	74.45	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1098313	62.13	ng	0.00
78) Terphenyl-d14	12.99	244	642073	61.10	ng	0.00

Target Compounds

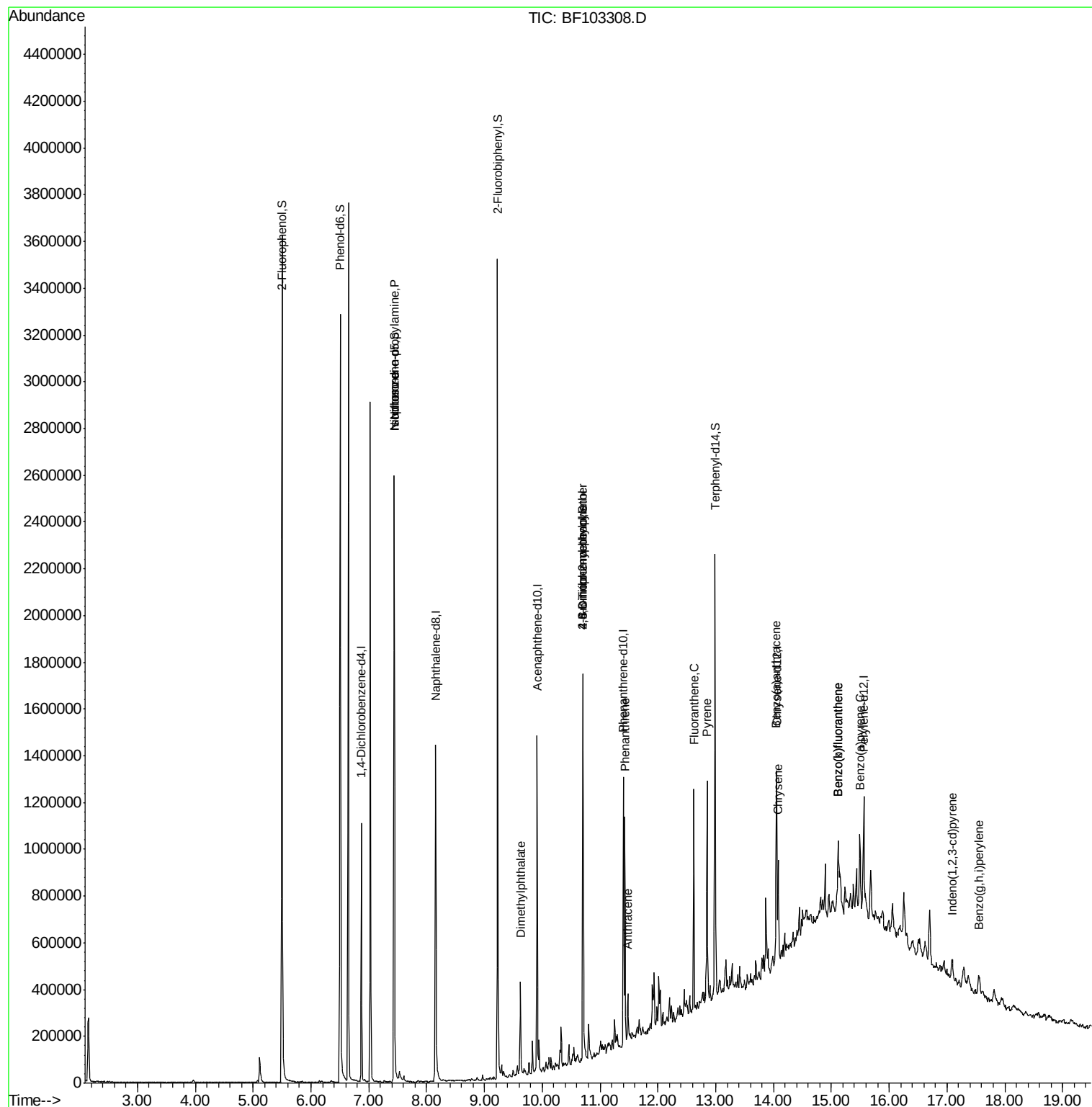
						Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	115736	14.023	ng	# 82
25) Isophorone	7.44	82	863995	36.469	ng	# 64
49) Dimethylphthalate	9.62	163	148964	6.510	ng	99
64) 4,6-Dinitro-2-methylphenol	10.70	198	500	5.137	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	12359	3.081	ng	# 1
70) Phenanthrene	11.43	178	329165	15.532	ng	99
71) Anthracene	11.48	178	83719	3.852	ng	98
74) Fluoranthene	12.62	202	345803	16.237	ng	99
77) Pyrene	12.85	202	396806	20.148	ng	100
80) Benzo(a)anthracene	14.04	228	180206	10.995	ng	98
82) Chrysene	14.08	228	160519	10.087	ng	97
85) Indeno(1,2,3-cd)pyrene	17.09	276	58865	4.672	ng	95
87) Benzo(b)fluoranthene	15.12	252	228995	14.560	ng	# 90
88) Benzo(k)fluoranthene	15.12	252	228995	15.462	ng	# 93
89) Benzo(a)pyrene	15.50	252	133888	9.533	ng	# 92
91) Benzo(g,h,i)perylene	17.55	276	62663	5.908	ng	93

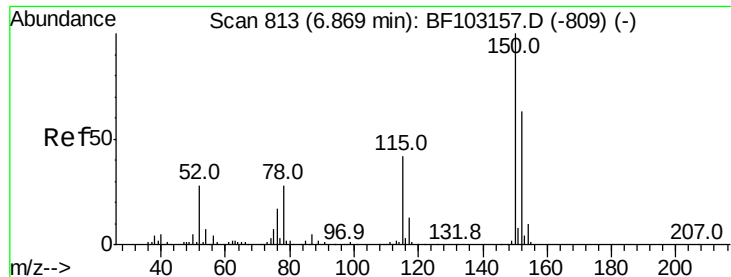
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103308.D
Acq On : 28 Feb 2018 22:04
Operator : SJ/JU
Sample : J1716-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 01 00:05:22 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



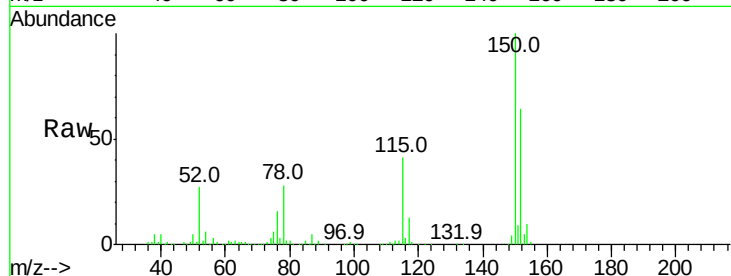


#1

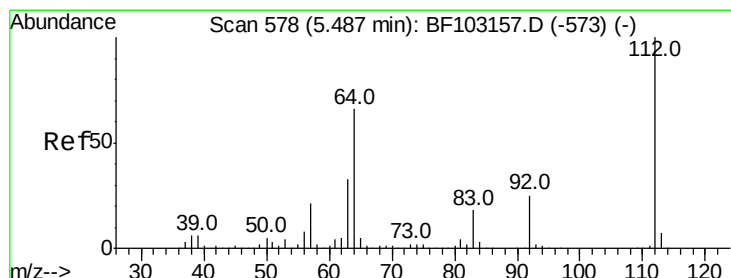
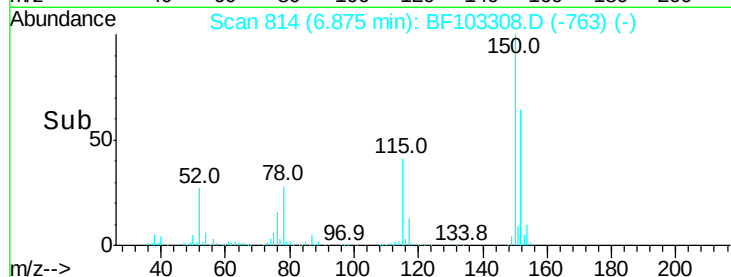
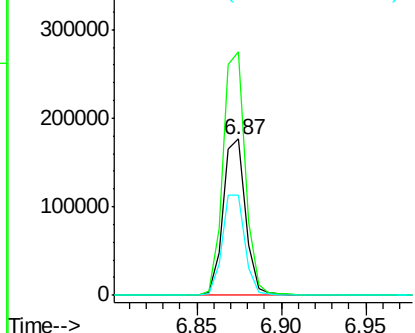
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 163910
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 64.1 50.1 75.1



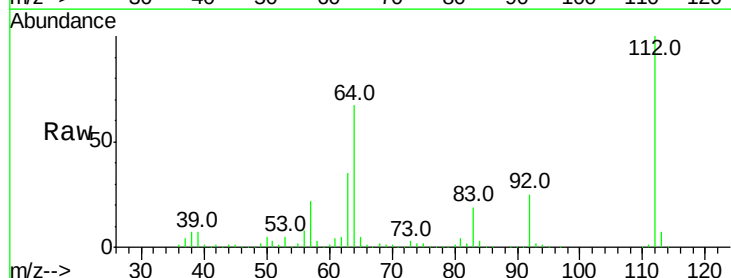
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



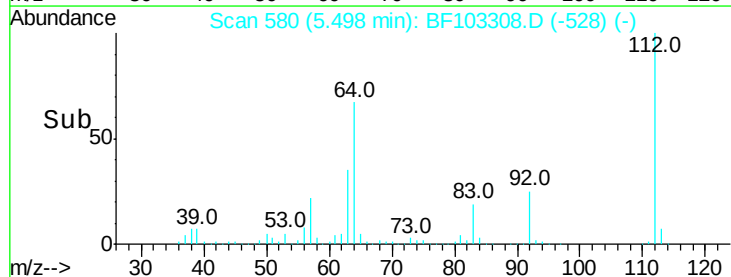
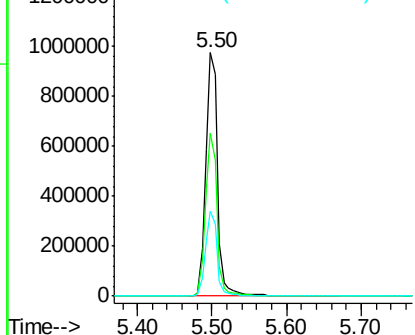
#5

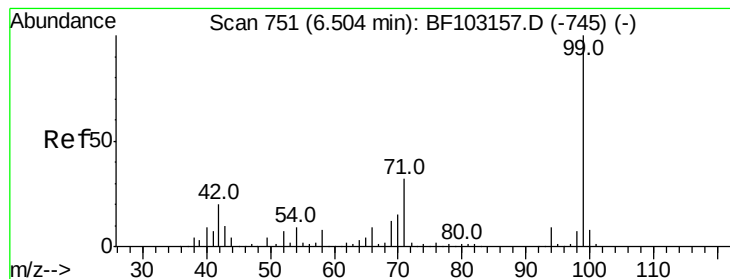
2-Fluorophenol
Concen: 99.835 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

Tgt Ion:112 Resp: 1081969
Ion Ratio Lower Upper
112 100
64 67.1 47.9 71.9
63 35.0 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: 96.732 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Instrument :

BNA_F

ClientSampleId :

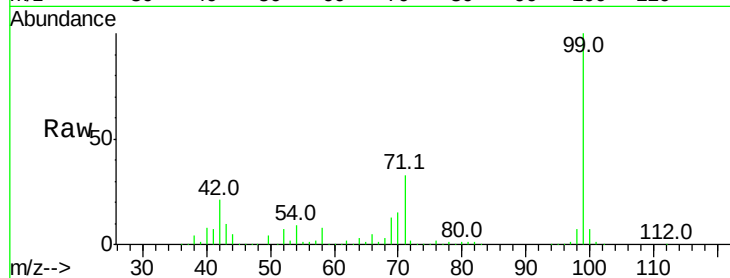
Tot Ion: 99 Resp: 1282794

Ion Ratio Lower Upper

99 100

42 20.6 14.5 21.7

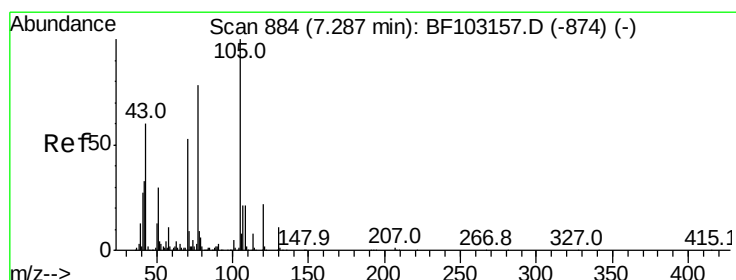
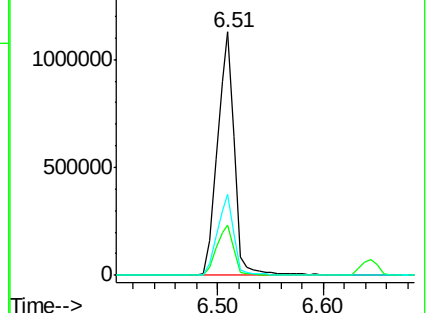
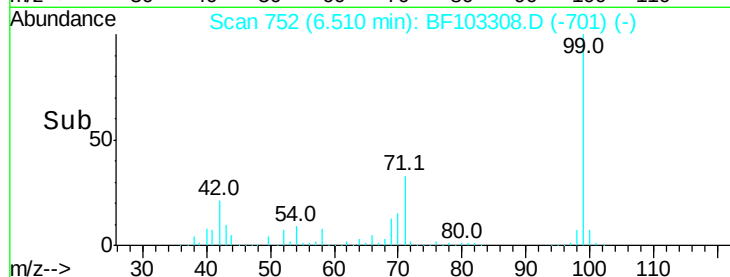
71 33.2 25.4 38.0



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: BF103308.D

Acq: 28 Feb 2018 22:04

Tgt Ion: 70 Resp: 115736

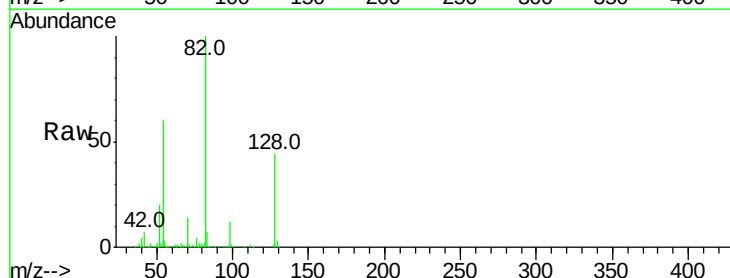
Ion Ratio Lower Upper

70 100

42 52.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

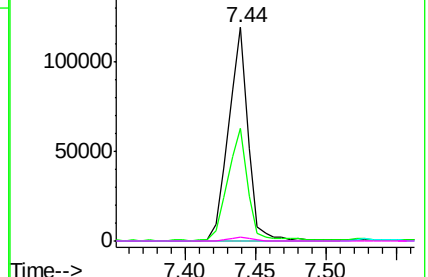
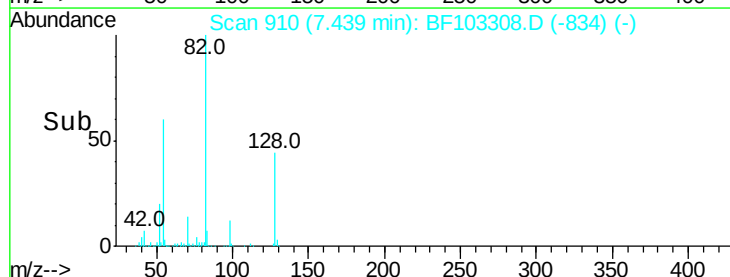


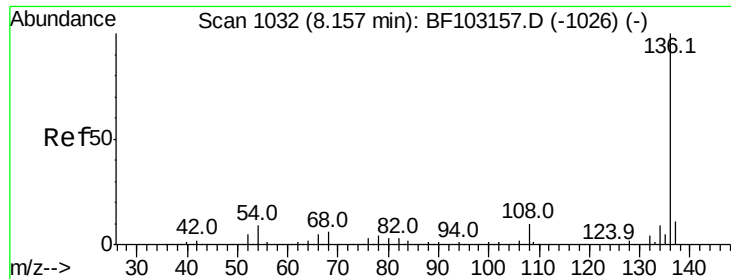
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

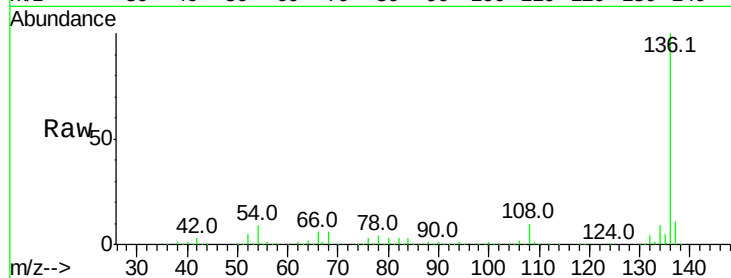




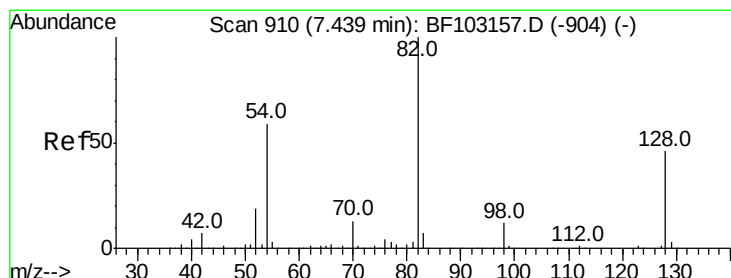
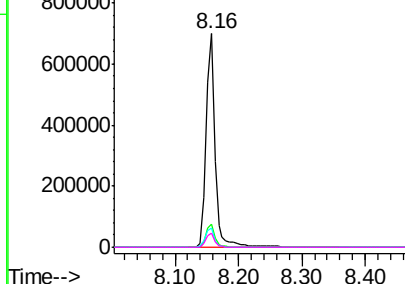
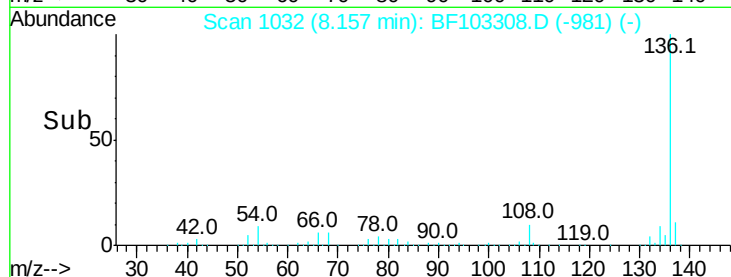
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	686957
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.0	6.6	9.8
68	6.5	5.0	7.4

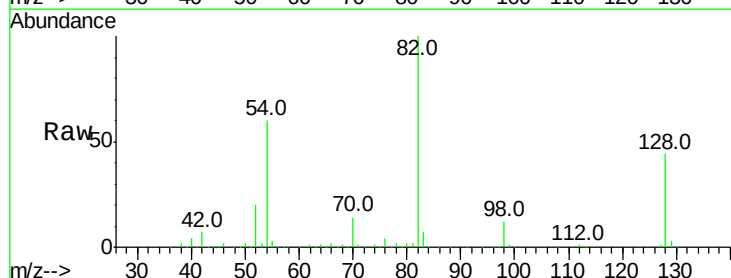


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

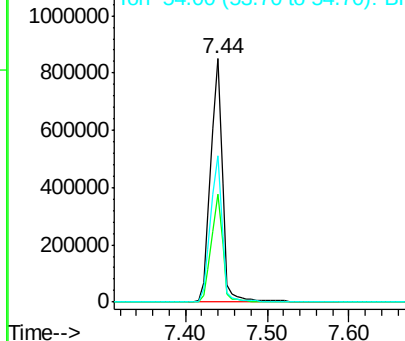
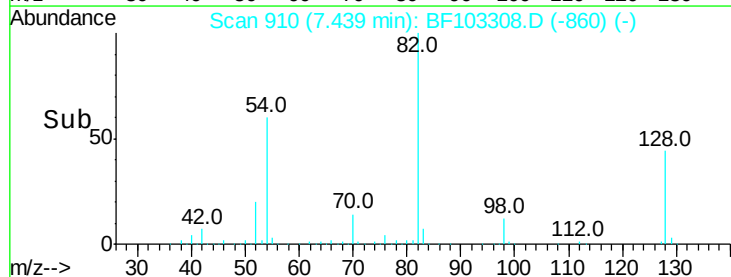


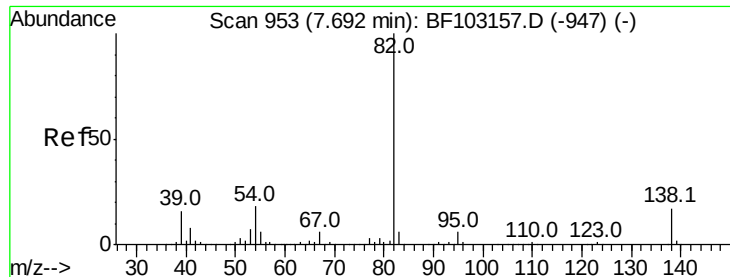
#23
Nitrobenzene-d5
Concen: 71.827 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

Tgt Ion:	82	Resp:	864001
Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.1	54.1
54	59.9	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: 36.469 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Instrument :

BNA_F

ClientSampleId :

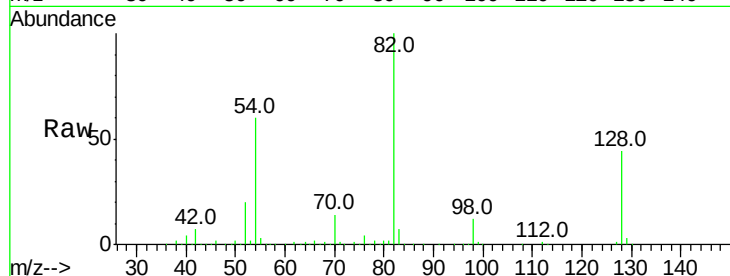
Tot Ion: 82 Resp: 863995

Ion Ratio Lower Upper

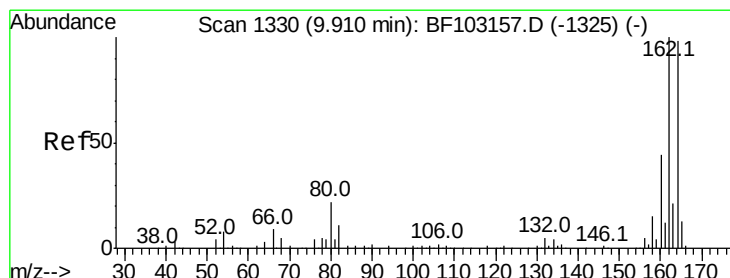
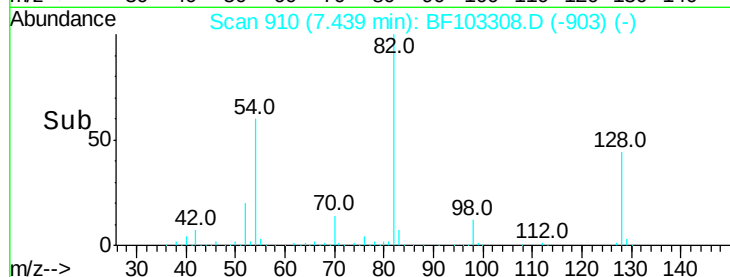
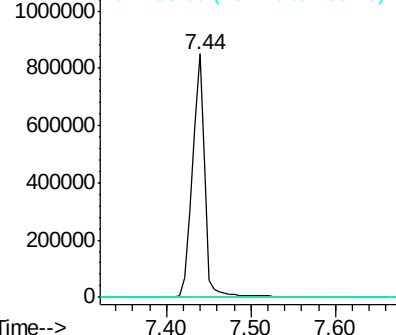
82 100

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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

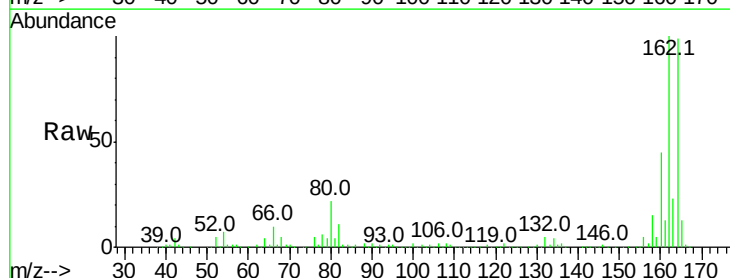
Tgt Ion:164 Resp: 285228

Ion Ratio Lower Upper

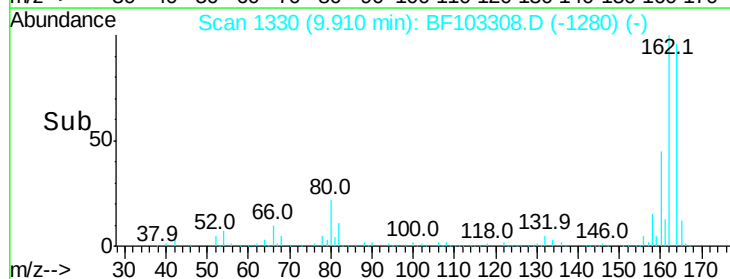
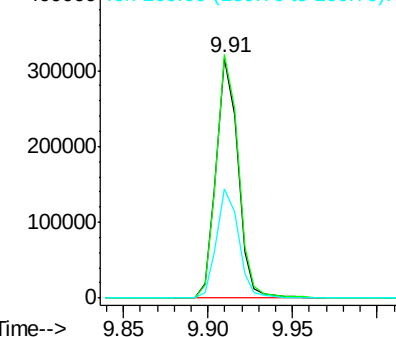
164 100

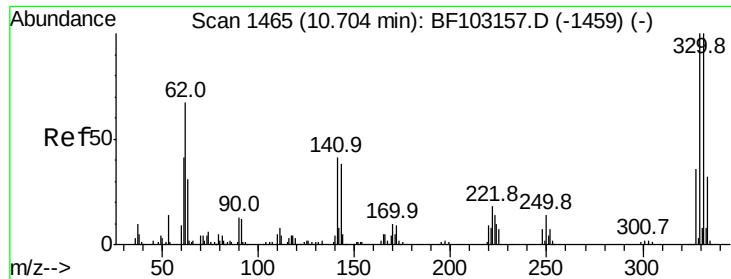
162 101.3 86.1 129.1

160 45.2 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: 74.447 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

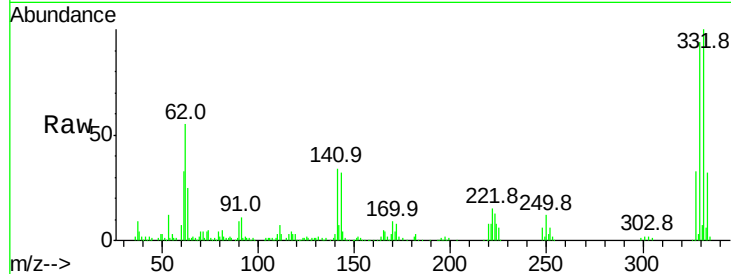
Instrument :

BNA_F

ClientSampled :

Tot Ion:330 Resp: 179737

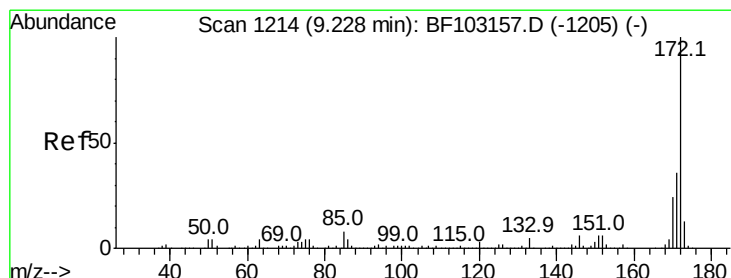
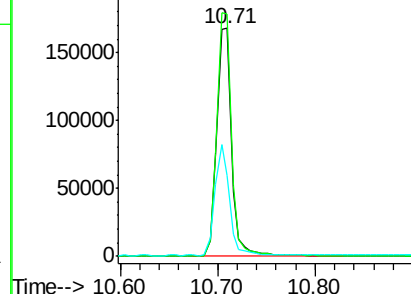
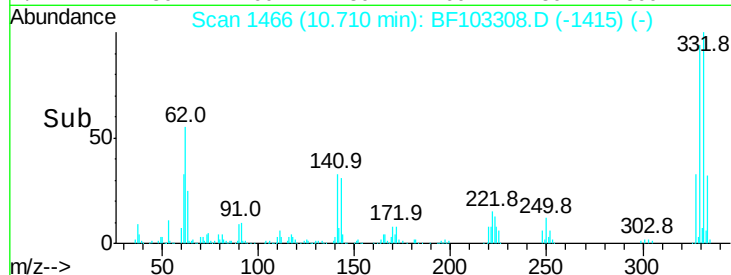
Ion	Ratio	Lower	Upper
330	100		
332	105.5	77.0	115.6
141	46.3	29.9	44.9#



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: 62.130 ng

RT: 9.23 min Scan# 1214

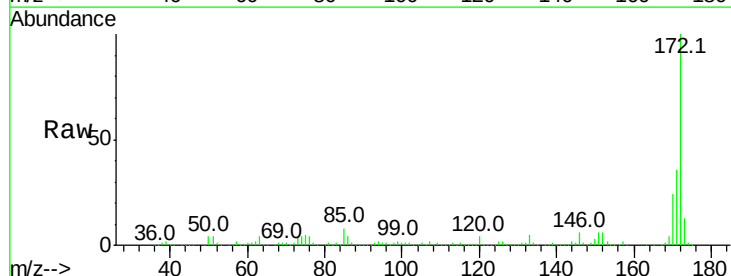
Delta R.T. -0.01 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Tgt Ion:172 Resp: 1098313

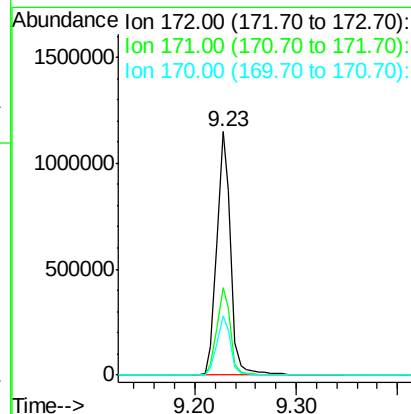
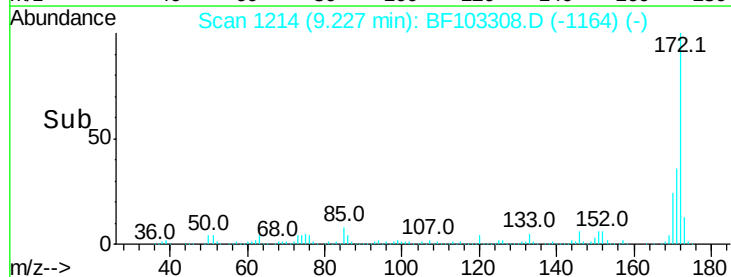
Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.4	19.6	29.4

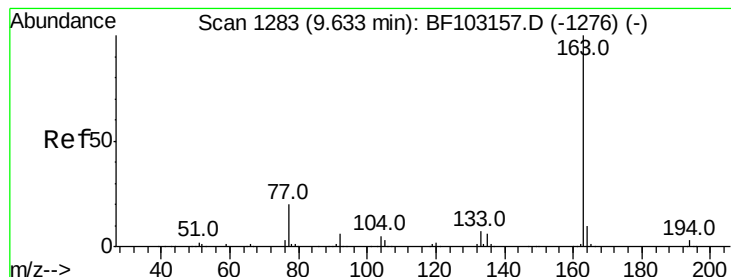


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.510 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Instrument :

BNA_F

ClientSampleId :

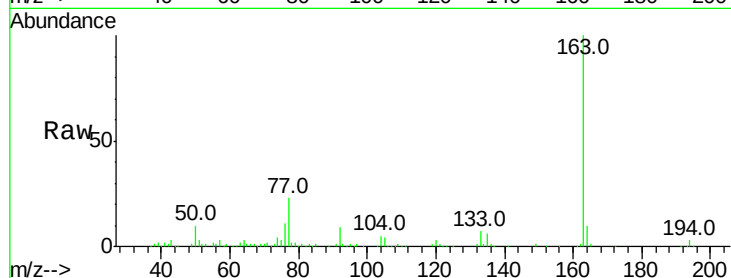
Tot Ion:163 Resp: 148964

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

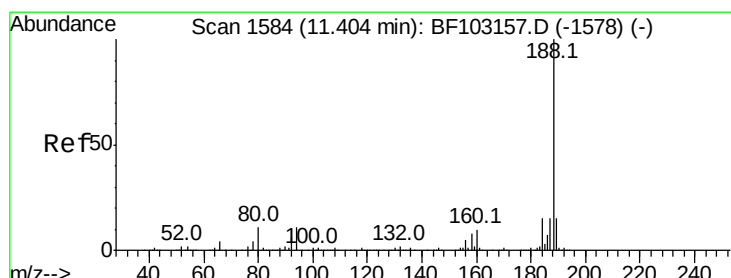
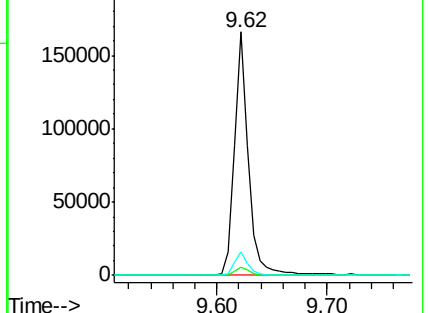
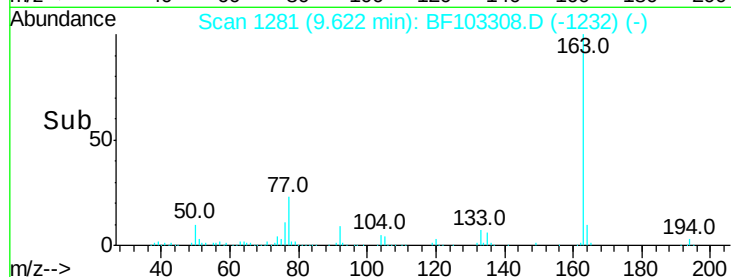
164 9.8 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

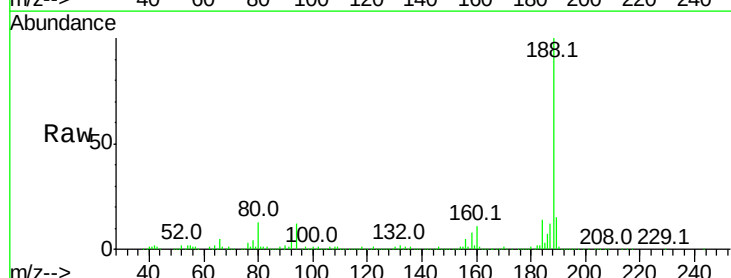
Tgt Ion:188 Resp: 385101

Ion Ratio Lower Upper

188 100

94 11.9 8.5 12.7

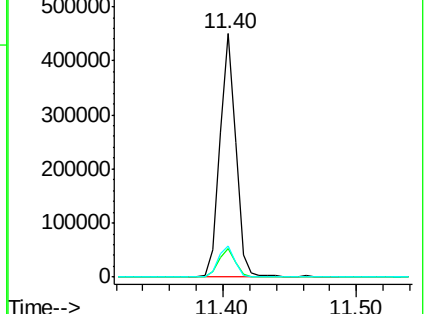
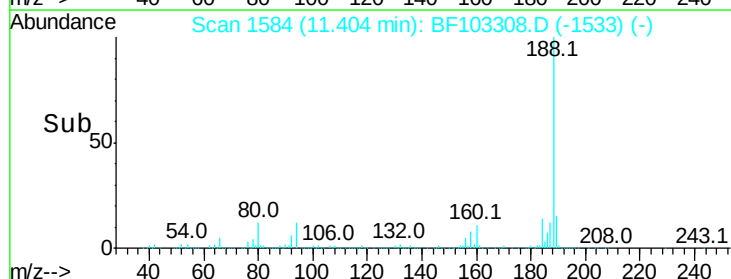
80 12.6 9.2 13.8

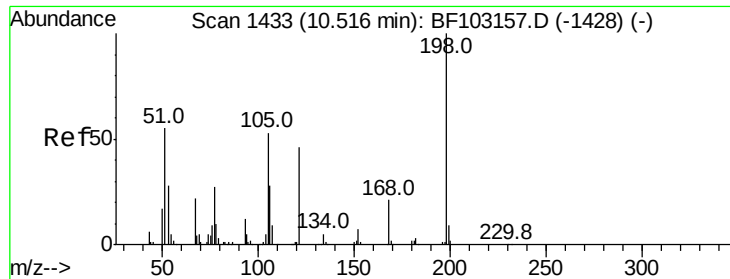


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

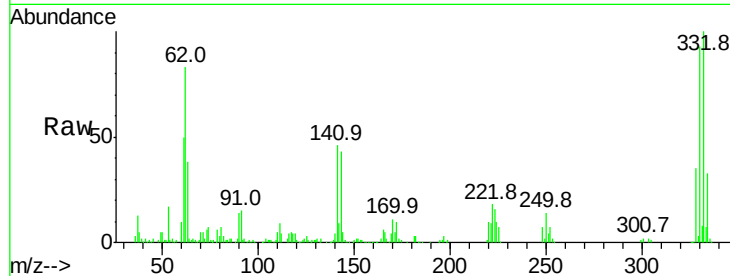




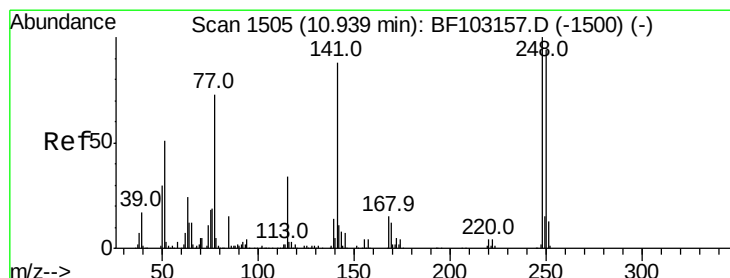
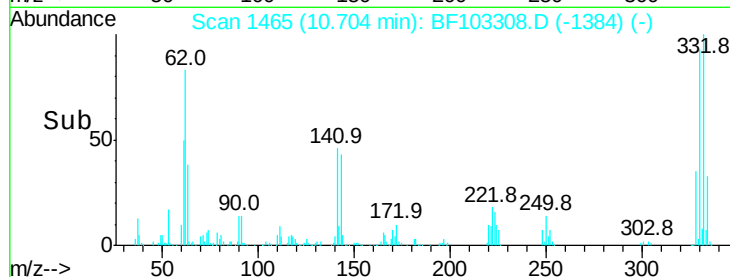
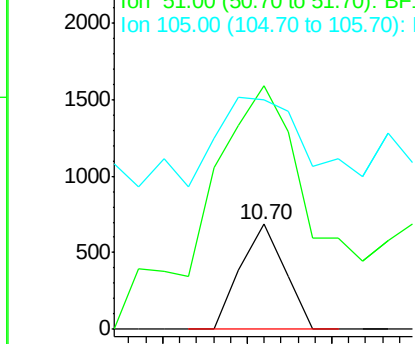
#64
4,6-Dinitro-2-methylphenol
Concen: 5.137 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 500
Ion Ratio Lower Upper
198 100
51 231.3 37.7 77.7#
105 218.6 36.3 76.3#

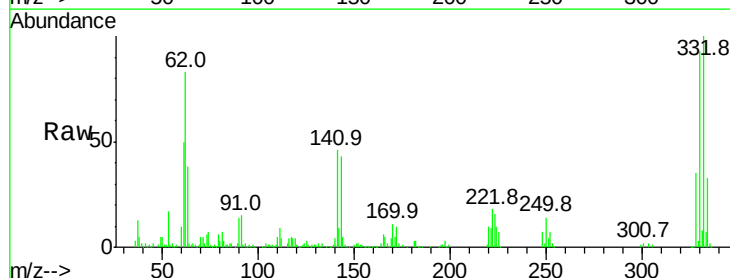


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

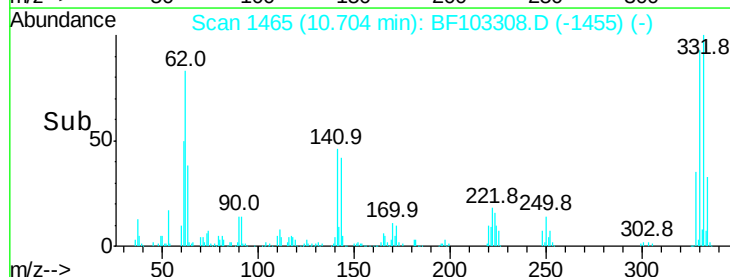
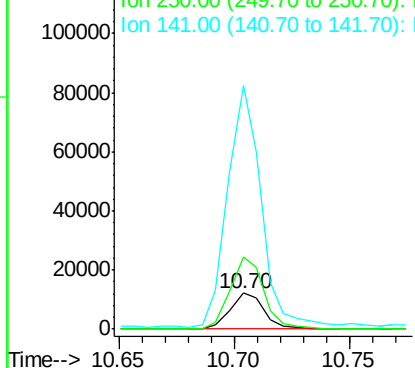


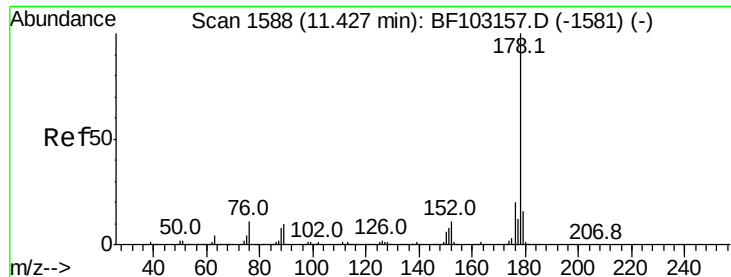
#66
4-Bromophenyl-phenylether
Concen: 3.081 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.24 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

Tgt Ion:248 Resp: 12359
Ion Ratio Lower Upper
248 100
250 201.3 76.9 115.3#
141 681.8 74.4 111.6#



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





#70

Phenanthrene

Concen: 15.532 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Instrument :

BNA_F

ClientSampled :

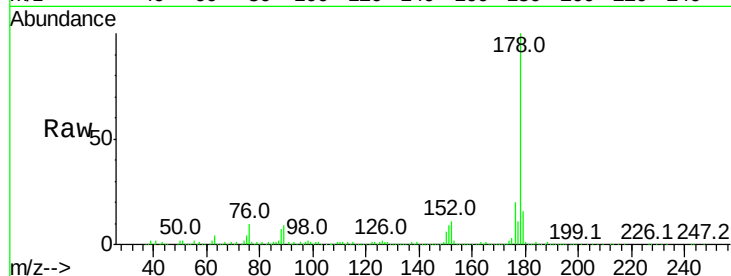
Tot Ion:178 Resp: 329165

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

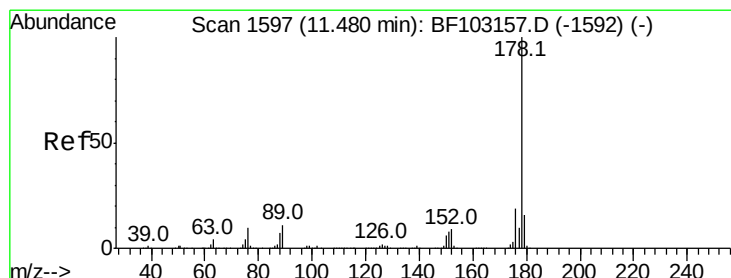
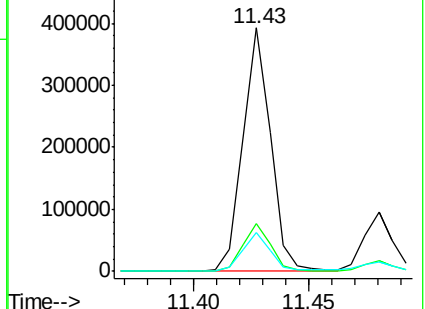
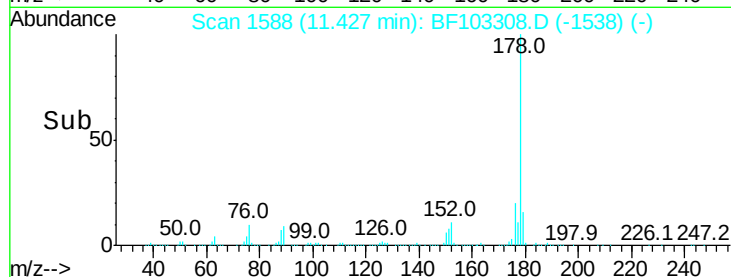
179 15.7 13.0 19.6



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: 3.852 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

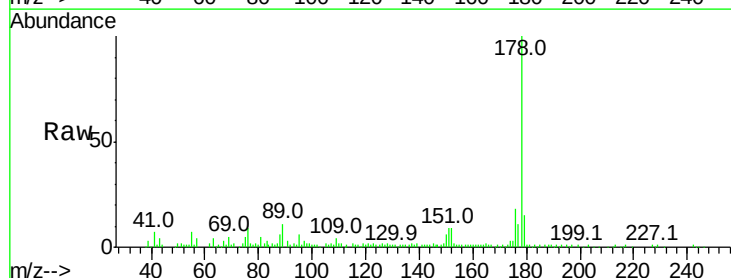
Tgt Ion:178 Resp: 83719

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

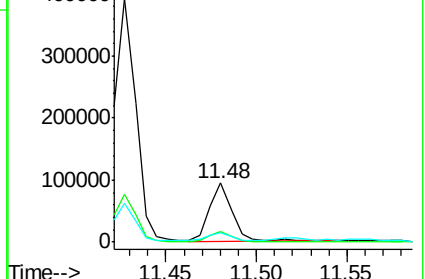
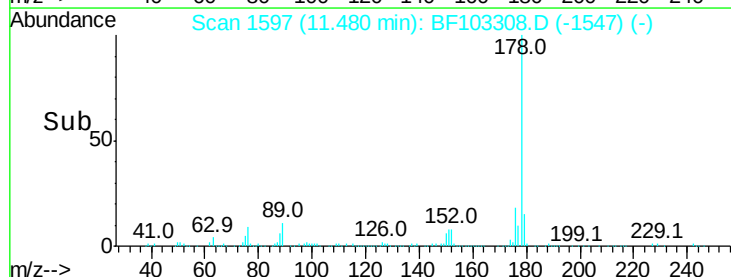
179 15.3 12.6 19.0

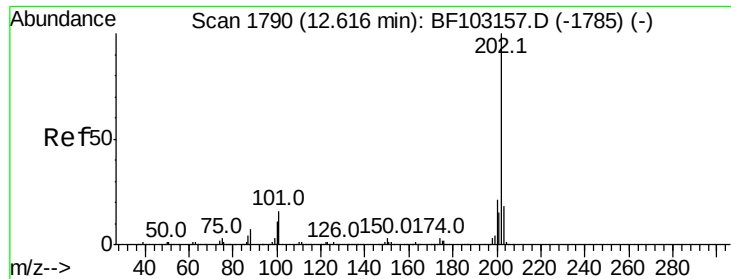


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 16.237 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Instrument :

BNA_F

ClientSampled :

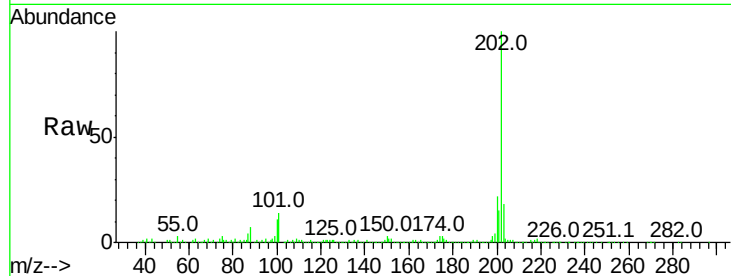
Tot Ion:202 Resp: 345803

Ion Ratio Lower Upper

202 100

101 14.5 0.0 34.1

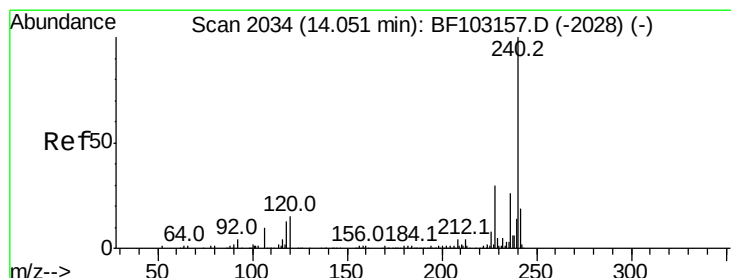
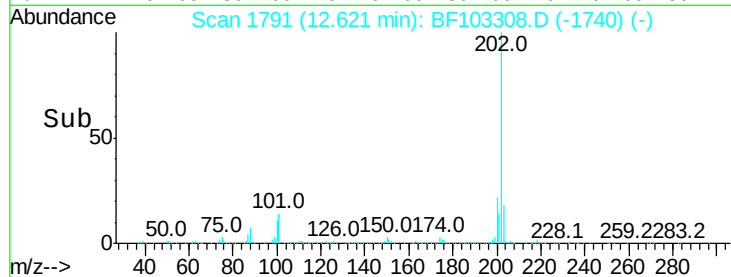
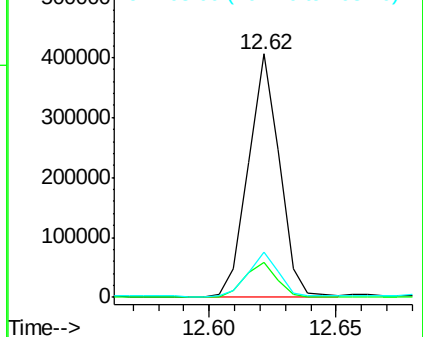
203 18.4 0.0 38.1



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: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

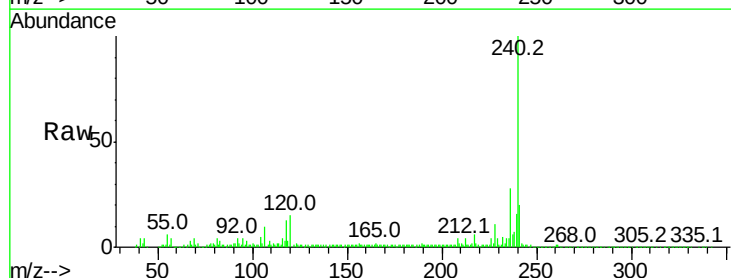
Tgt Ion:240 Resp: 252603

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

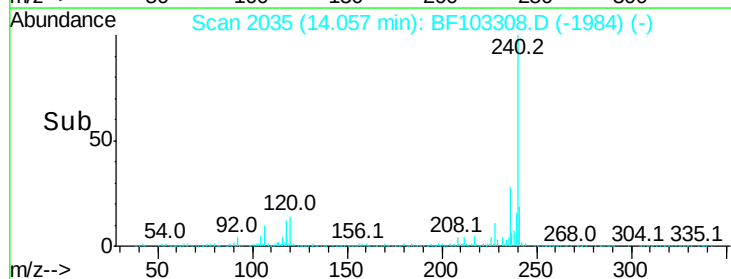
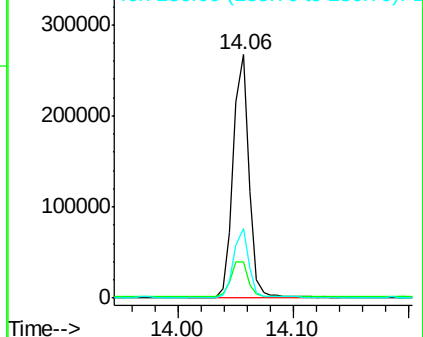
236 28.4 20.7 31.1

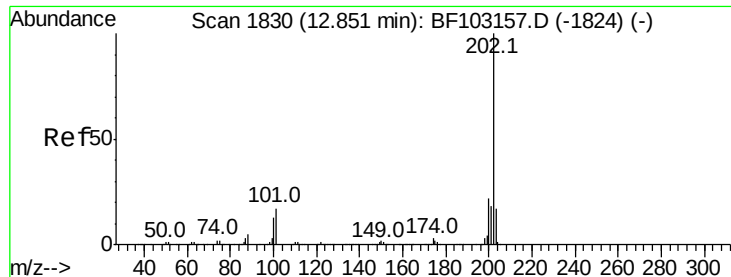


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 20.148 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Instrument :

BNA_F

ClientSampled :

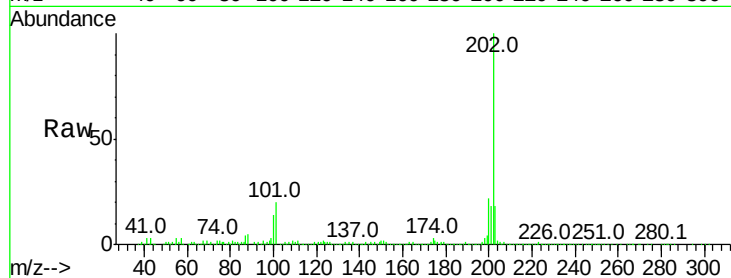
Tot Ion:202 Resp: 396806

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

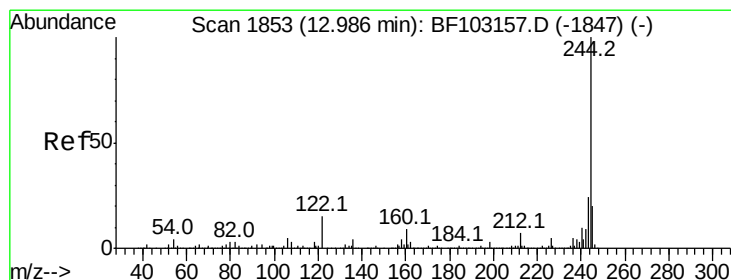
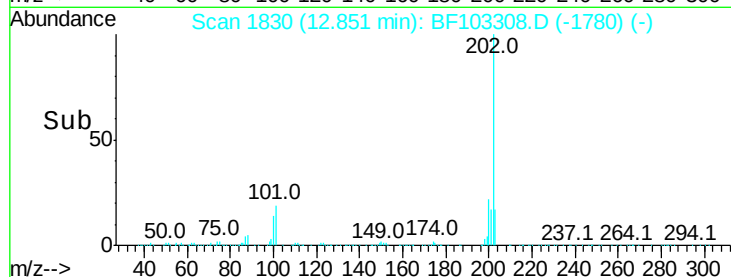
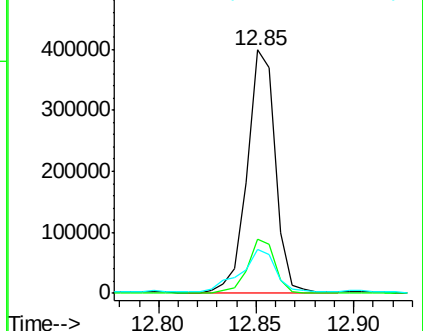
203 17.9 14.3 21.5



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: 61.102 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

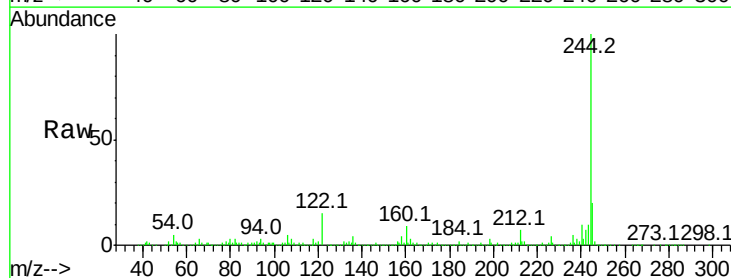
Tgt Ion:244 Resp: 642073

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

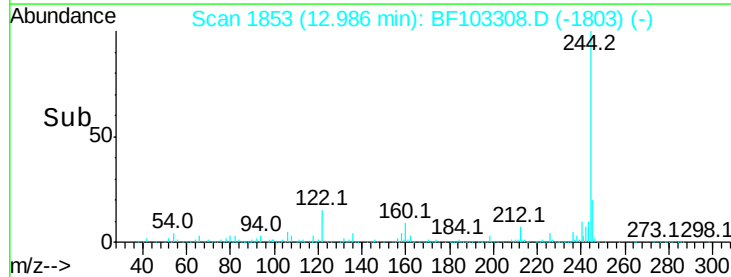
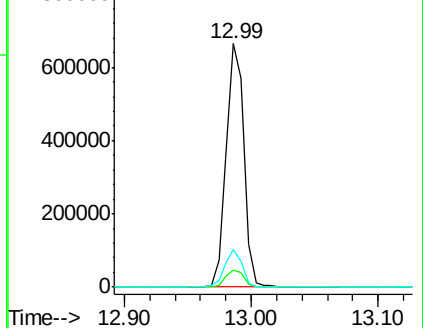
122 15.4 11.0 16.4

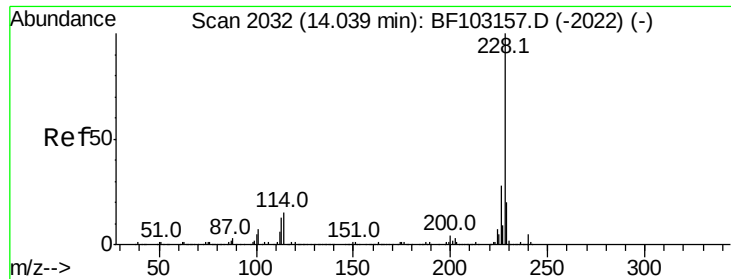


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.995 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Instrument :

BNA_F

ClientSampleId :

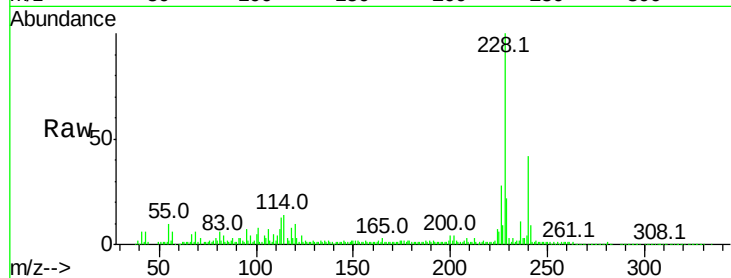
Tot Ion:228 Resp: 180206

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

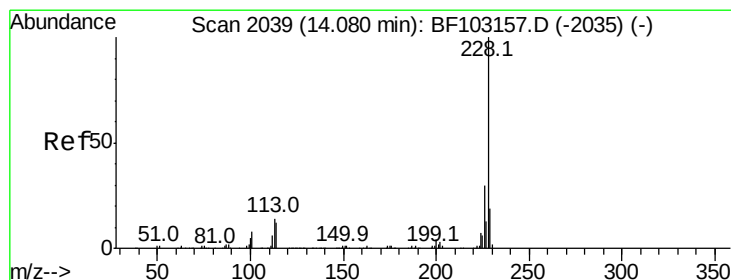
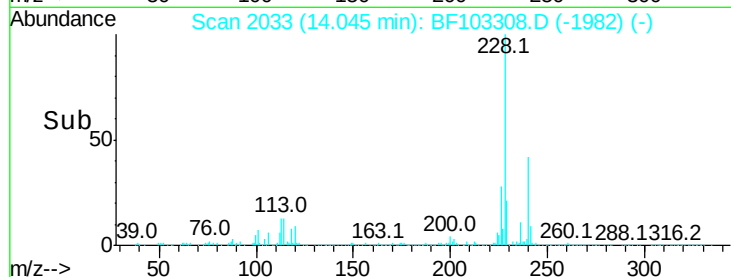
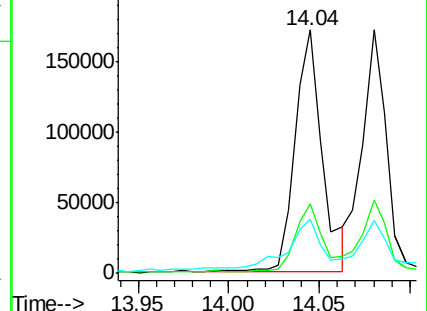
229 22.2 15.8 23.6



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: 10.087 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

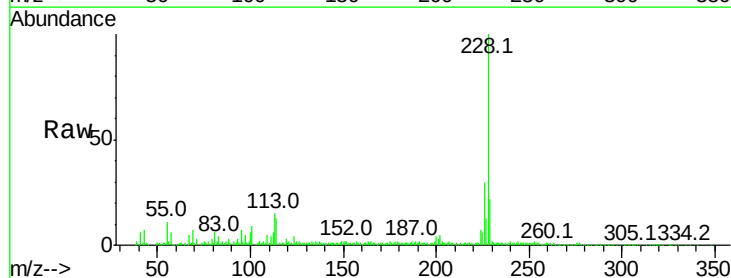
Tgt Ion:228 Resp: 160519

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

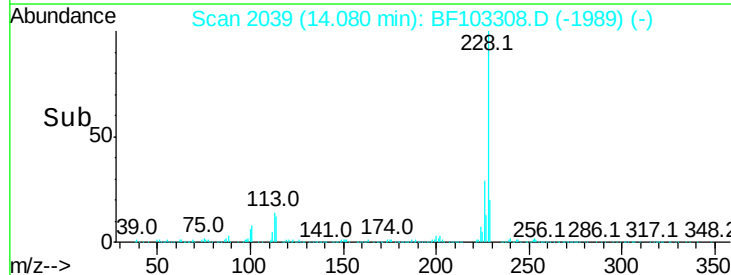
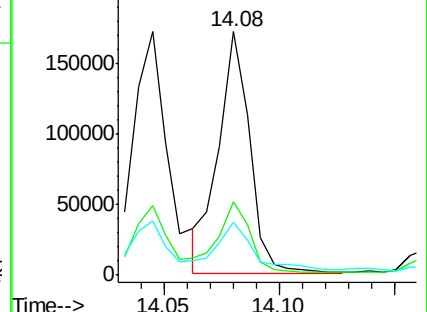
229 21.9 16.2 24.4

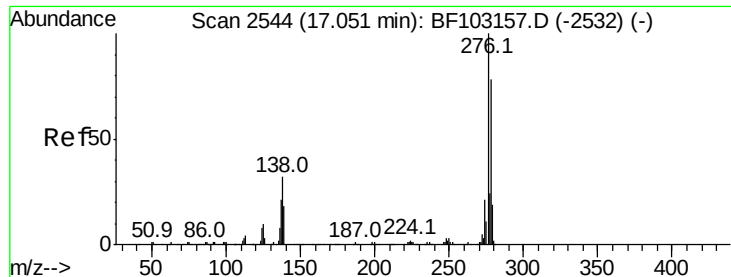


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

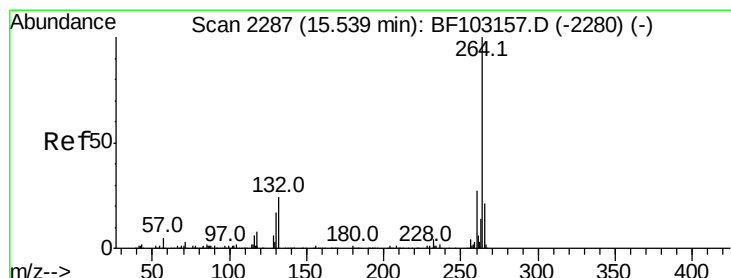
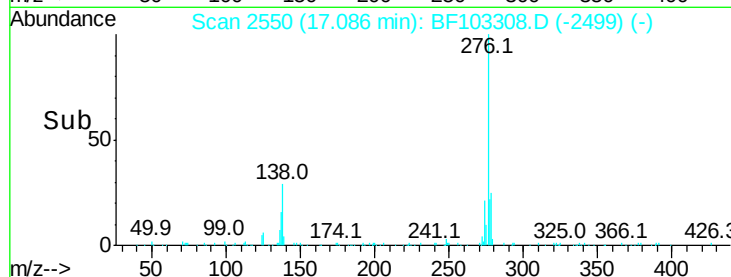
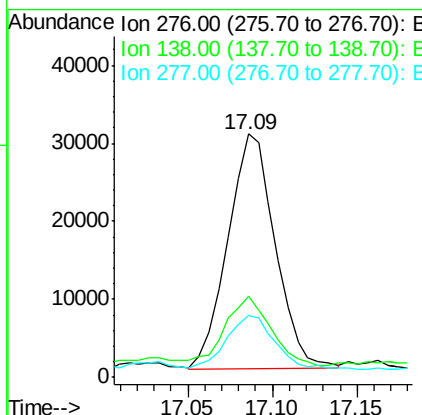
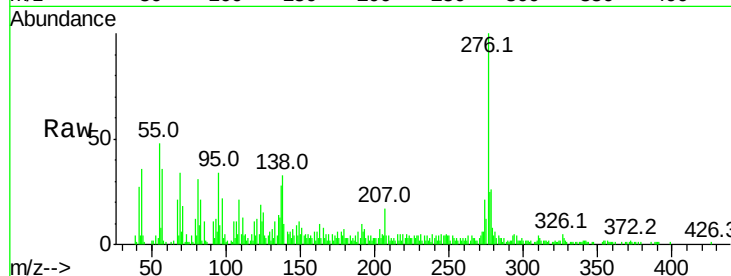




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.672 ng
 RT: 17.09 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: BF103308.D
 Acq: 28 Feb 2018 22:04

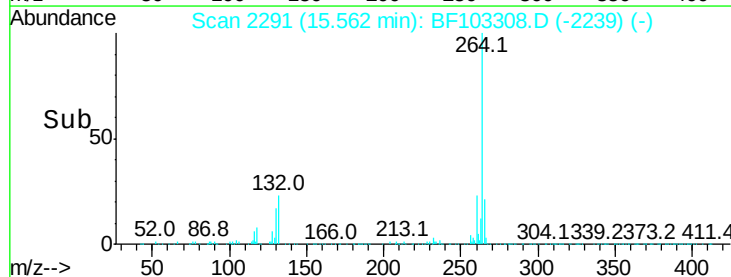
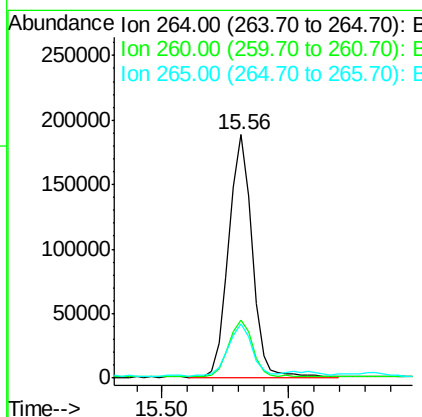
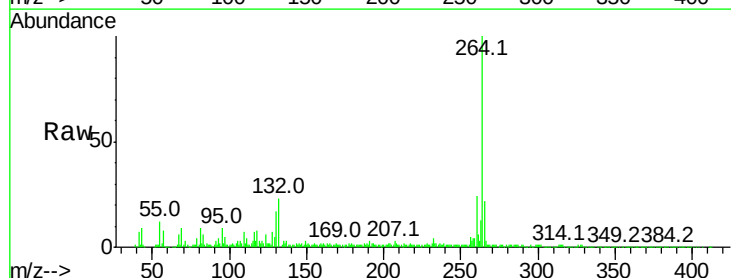
Instrument :
 BNA_F
 ClientSampleId :

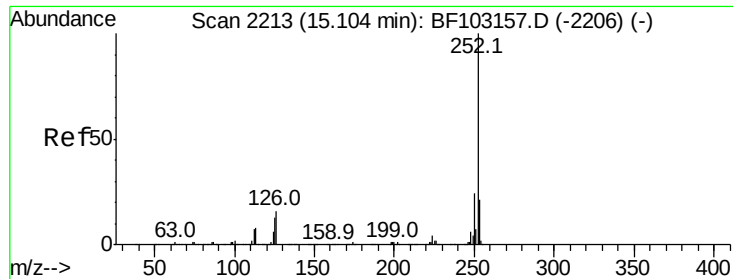
Tot Ion:276 Resp: 58865
 Ion Ratio Lower Upper
 276 100
 138 28.1 25.0 37.6
 277 23.6 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.01 min
 Lab File: BF103308.D
 Acq: 28 Feb 2018 22:04

Tgt Ion:264 Resp: 239213
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 22.0 17.5 26.3

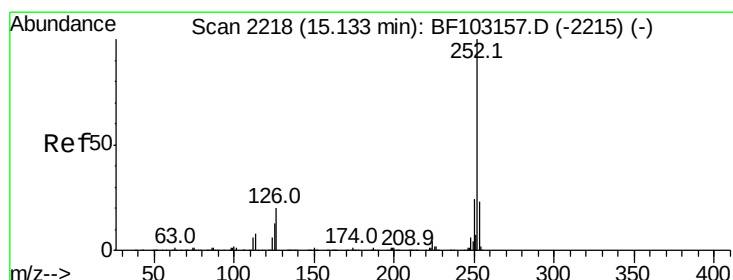
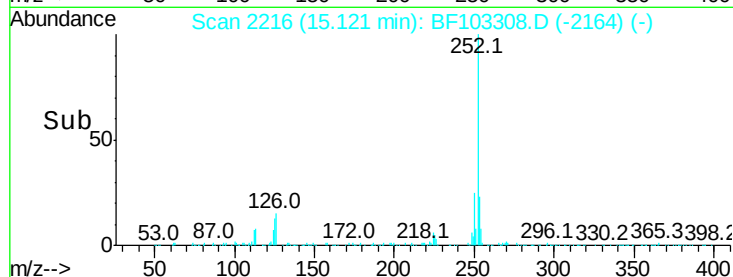
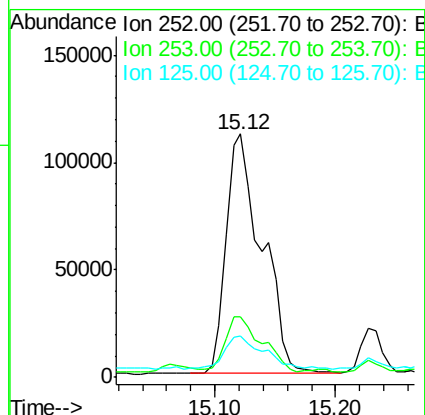
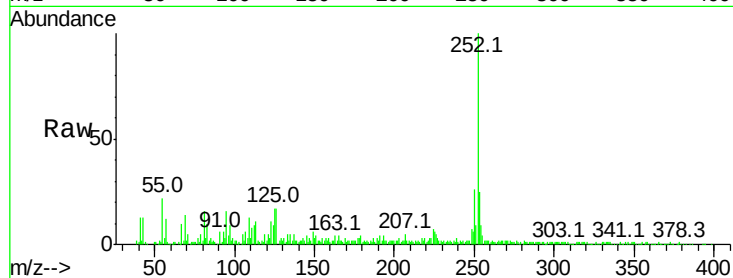




#87
Benzo(b)fluoranthene
Concen: 14.560 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

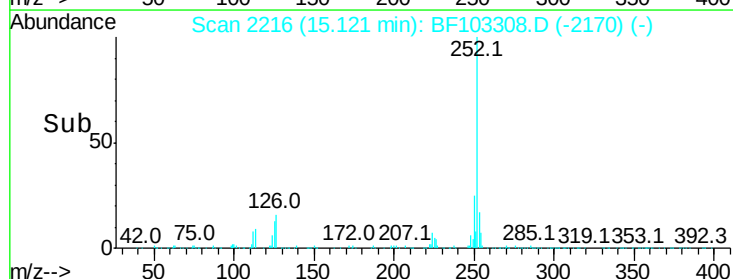
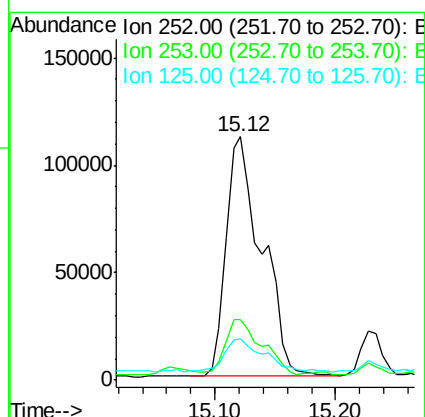
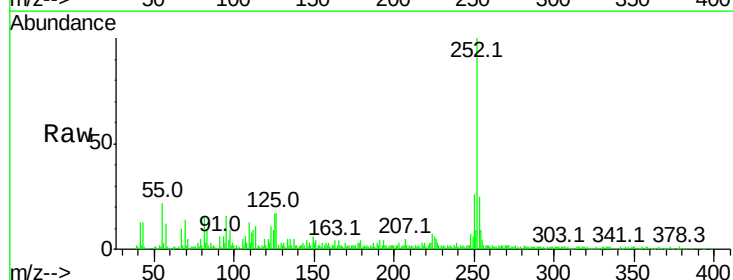
Instrument :
BNA_F
ClientSampled :

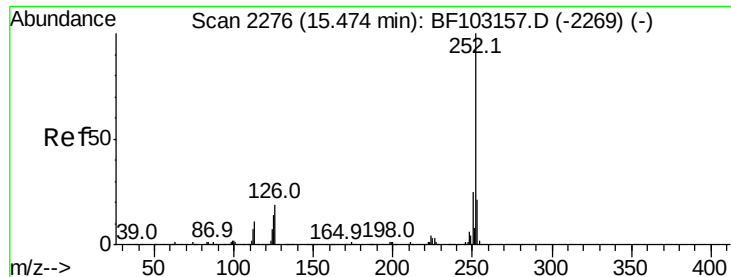
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.6
125	16.9	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 15.462 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.03 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	16.9	10.2	15.2





#89

Benzo(a)pyrene

Concen: 9.533 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Instrument :

BNA_F

ClientSampleId :

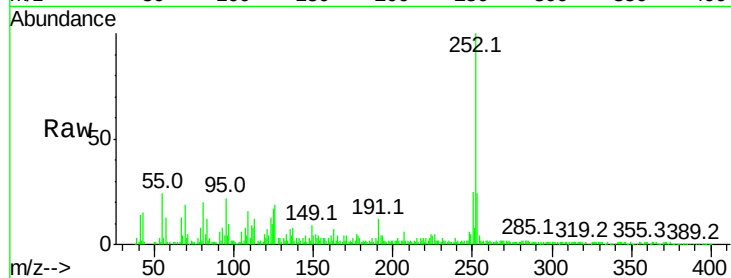
Tot Ion:252 Resp: 133888

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

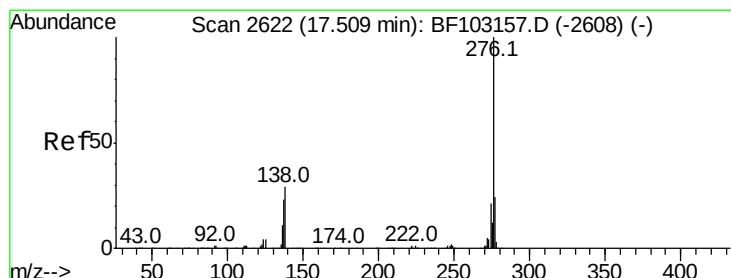
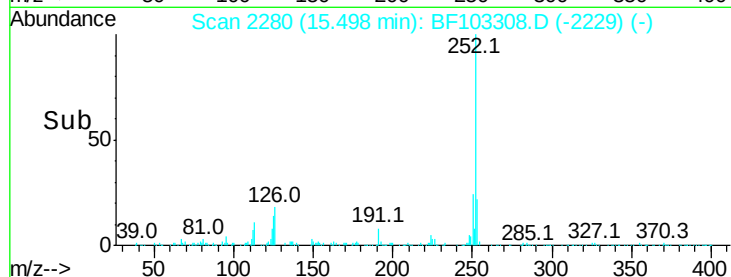
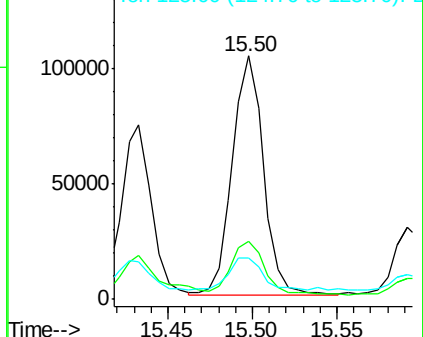
125 16.9 9.8 14.6#



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: 5.908 ng

RT: 17.55 min Scan# 2629

Delta R.T. 0.01 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

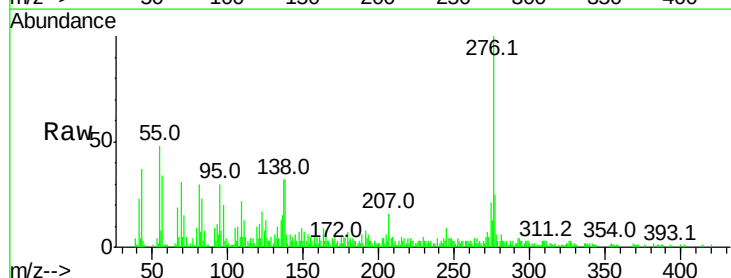
Tgt Ion:276 Resp: 62663

Ion Ratio Lower Upper

276 100

277 25.2 17.9 26.9

138 31.7 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

