

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012318\
 Data File : BF102355.D
 Acq On : 23 Jan 2018 21:18
 Operator : SJ/JU
 Sample : J1016-05 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 23:45:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	129937	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	561434	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	246442	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	382102	20.00	ng	0.00
75) Chrysene-d12	13.87	240	255770	20.00	ng	0.00
86) Perylene-d12	15.30	264	231077	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	180324	21.04	ng	0.00
7) Phenol-d6	6.35	99	220817	21.37	ng	-0.01
23) Nitrobenzene-d5	7.27	82	133645	13.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	44284	18.14	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	258378	15.42	ng	-0.01
78) Terphenyl-d14	12.82	244	177396	15.64	ng	0.00

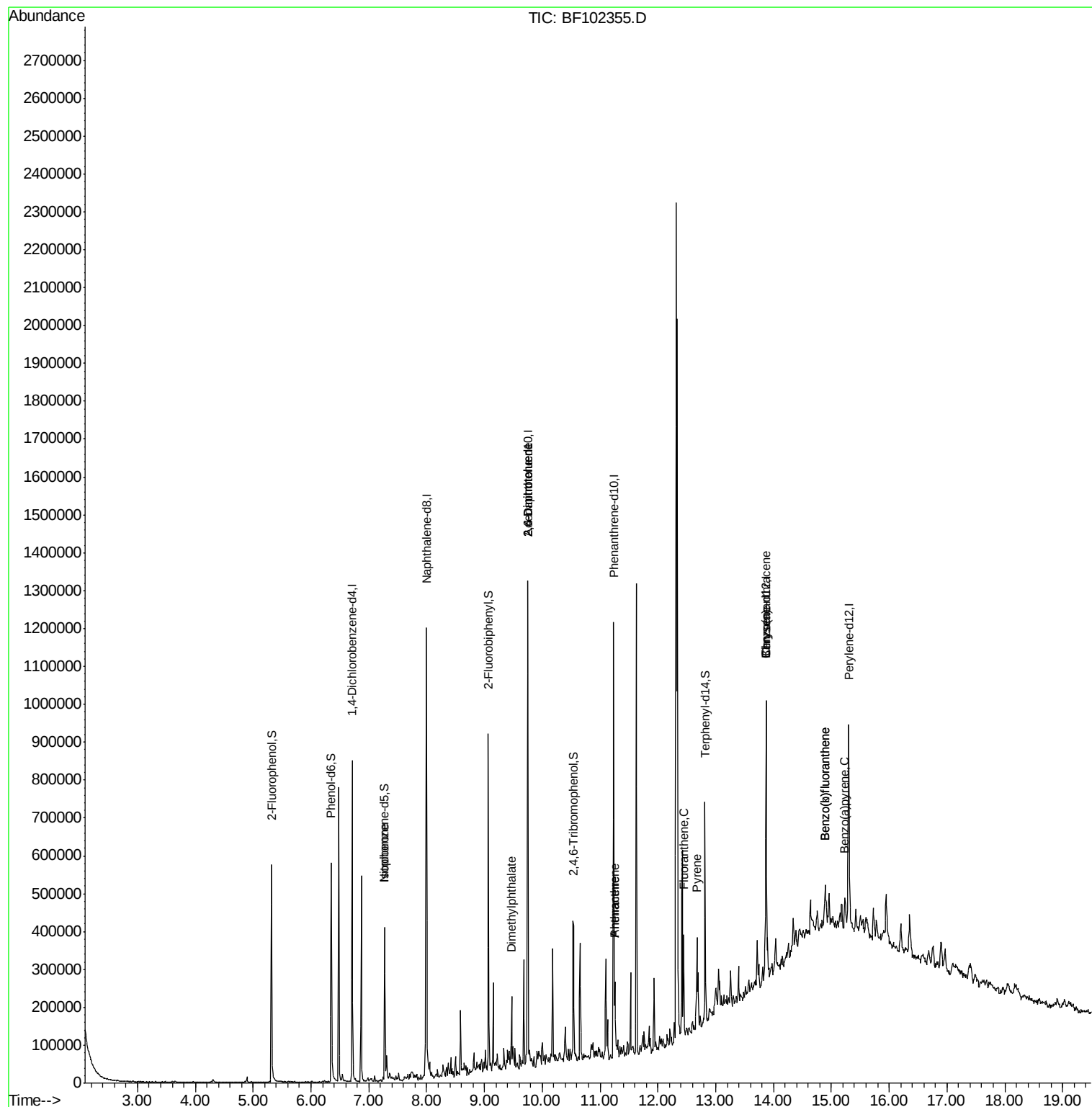
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.27	82	129012	7.407	ng	# 64
49) Dimethylphthalate	9.47	163	41134	2.019	ng	# 99
50) 2,6-Dinitrotoluene	9.75	165	34209	7.789	ng	# 26
56) 2,4-Dinitrotoluene	9.75	165	34209	6.334	ng	# 23
70) Phenanthrene	11.26	178	61705	2.771	ng	99
71) Anthracene	11.26	178	61705	2.715	ng	100
74) Fluoranthene	12.44	202	104145	4.587	ng	96
77) Pyrene	12.67	202	97916	4.951	ng	99
80) Benzo(a)anthracene	13.86	228	39974	2.539	ng	94
82) Chrysene	13.86	228	39974	2.500	ng	98
87) Benzo(b)fluoranthene	14.89	252	63993	4.273	ng	# 81
88) Benzo(k)fluoranthene	14.89	252	63993	4.522	ng	# 84
89) Benzo(a)pyrene	15.24	252	33186	2.457	ng	# 88

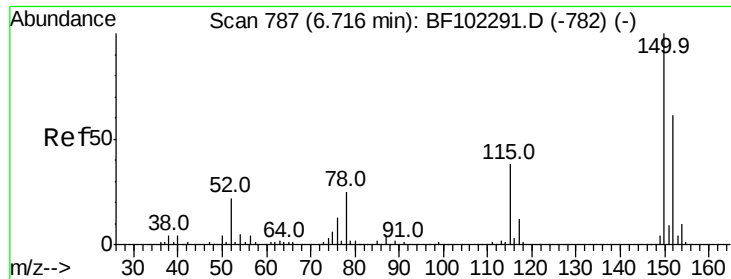
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012318\
Data File : BF102355.D
Acq On : 23 Jan 2018 21:18
Operator : SJ/JU
Sample : J1016-05 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 23 23:45:29 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 23 00:43:41 2018
Response via : Initial Calibration



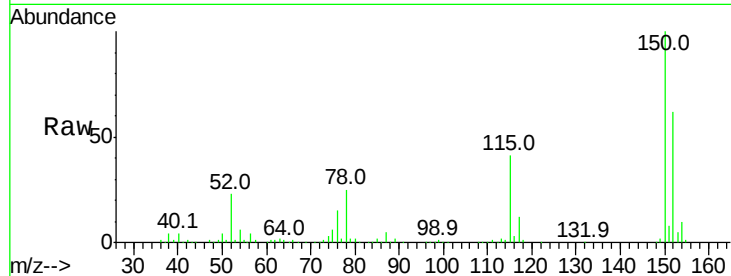


#1

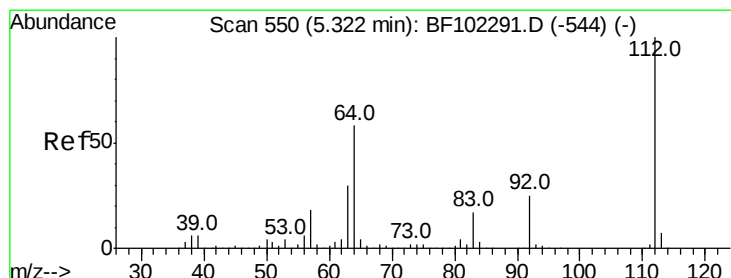
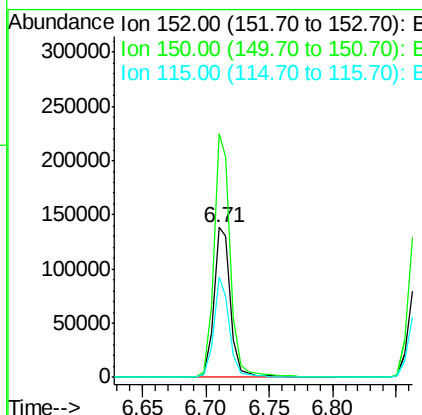
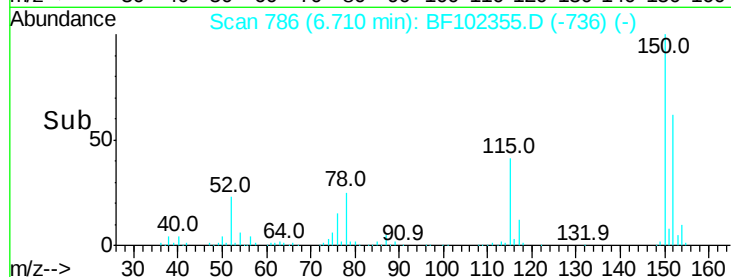
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102355.D
Acq: 23 Jan 2018 21:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 129937
Ion Ratio Lower Upper
152 100
150 162.6 124.6 186.8
115 66.9 50.1 75.1



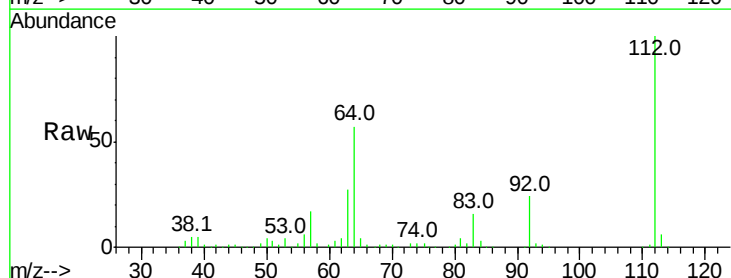
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



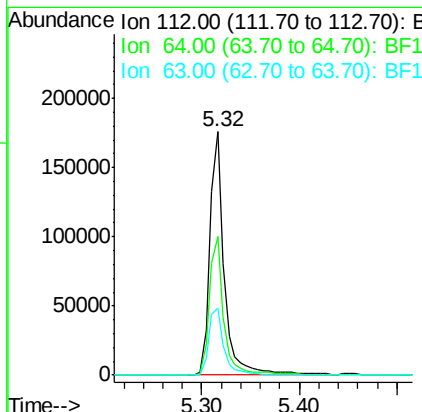
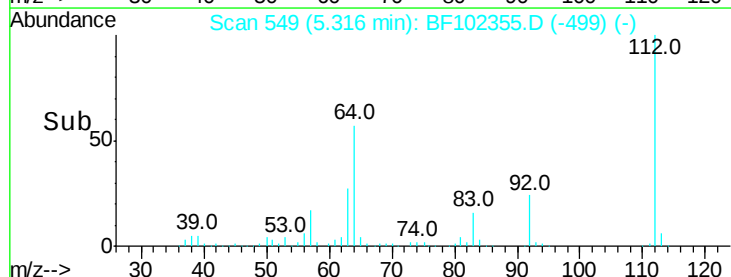
#5

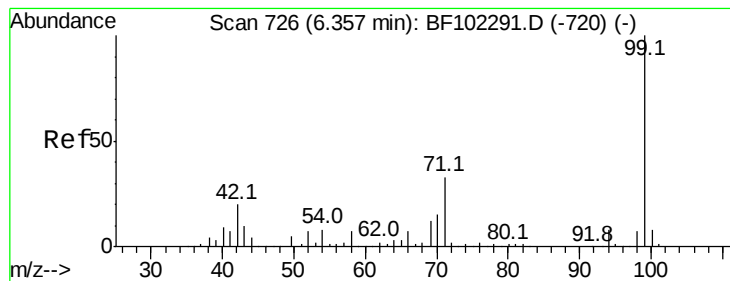
2-Fluorophenol
Concen: 21.042 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102355.D
Acq: 23 Jan 2018 21:18

Tgt Ion:112 Resp: 180324
Ion Ratio Lower Upper
112 100
64 57.1 47.9 71.9
63 27.3 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: 21.373 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF102355.D

Acq: 23 Jan 2018 21:18

Instrument :

BNA_F

ClientSampled :

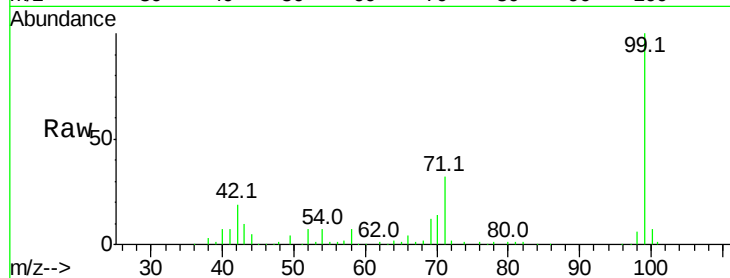
Tot Ion: 99 Resp: 220817

Ion Ratio Lower Upper

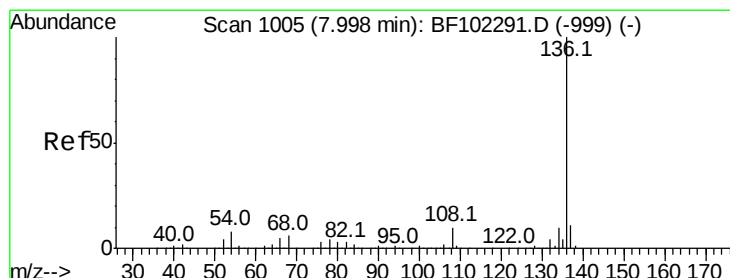
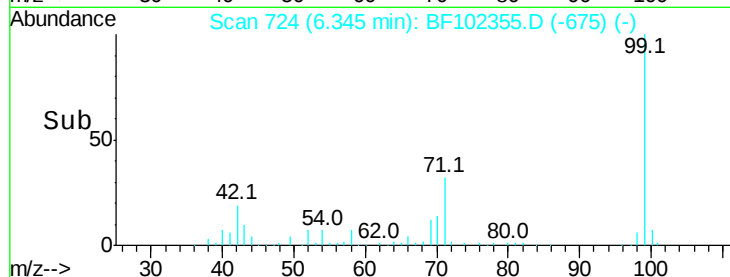
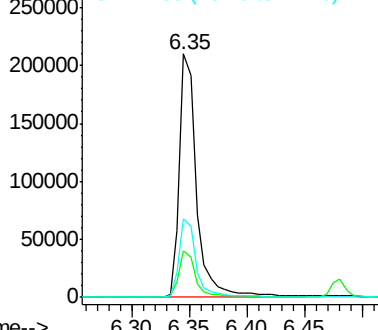
99 100

42 19.1 14.5 21.7

71 32.4 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102355.D

Acq: 23 Jan 2018 21:18

Tgt Ion: 136 Resp: 561434

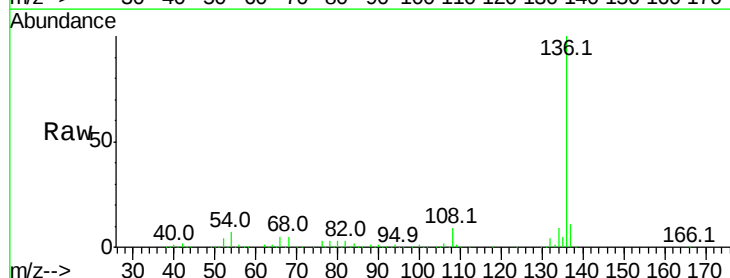
Ion Ratio Lower Upper

136 100

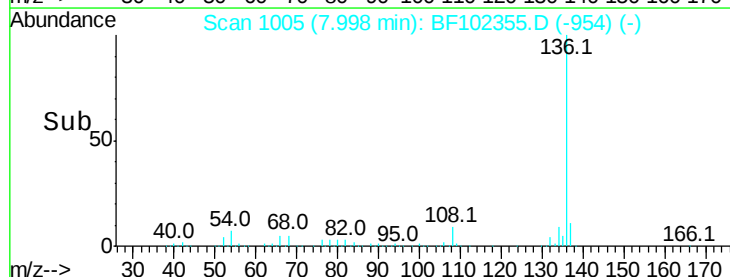
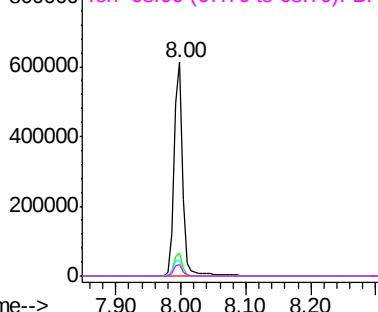
137 11.0 8.9 13.3

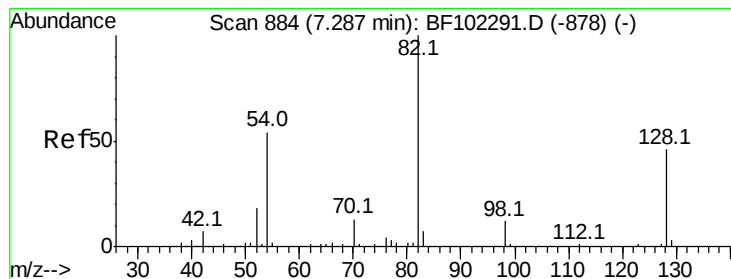
54 7.5 6.6 9.8

68 5.4 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: 13.680 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF102355.D

Acq: 23 Jan 2018 21:18

Instrument :

BNA_F

ClientSampled :

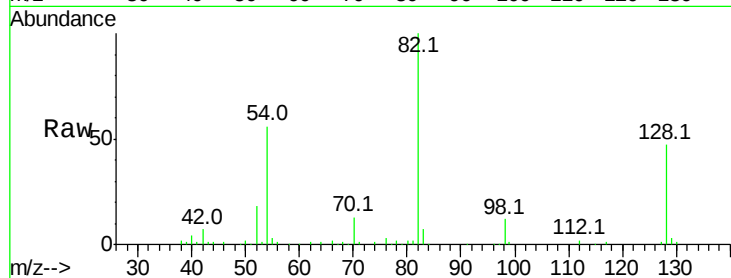
Tot Ion: 82 Resp: 133645

Ion Ratio Lower Upper

82 100

128 46.5 36.1 54.1

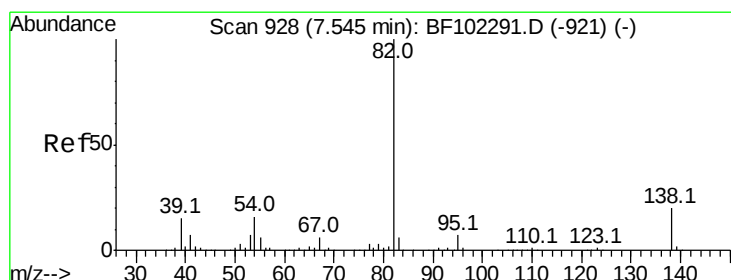
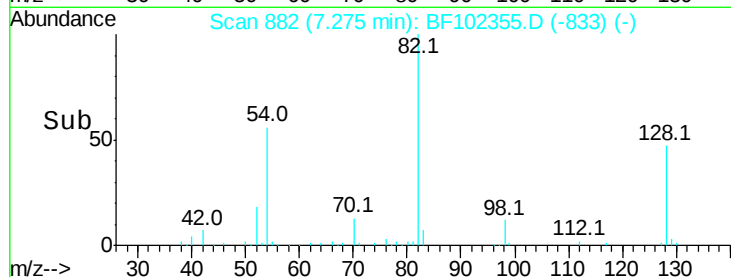
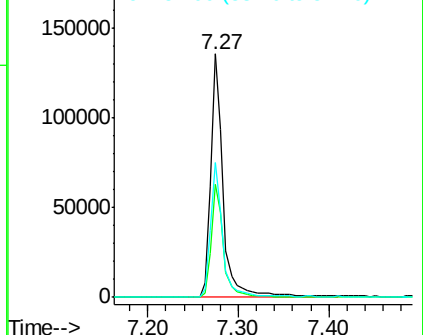
54 55.5 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 7.407 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.27 min

Lab File: BF102355.D

Acq: 23 Jan 2018 21:18

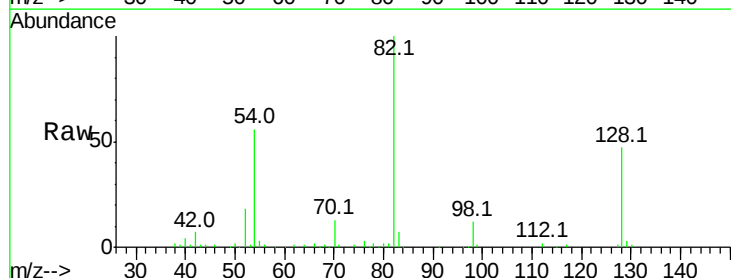
Tgt Ion: 82 Resp: 129012

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

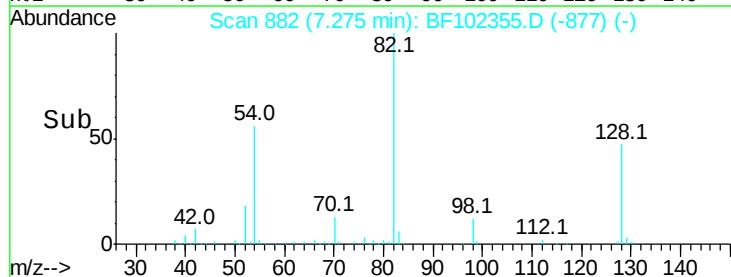
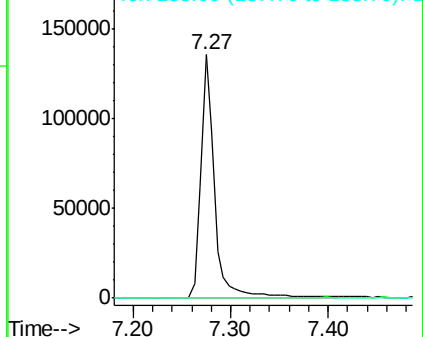
138 0.0 14.9 22.3#

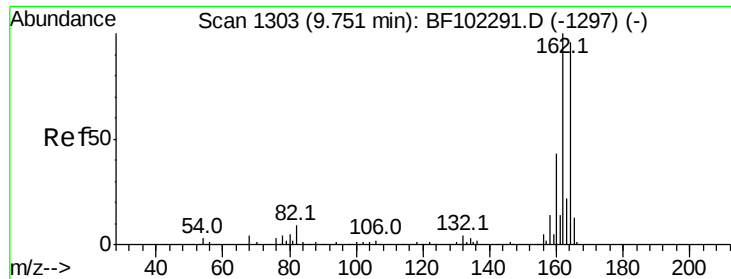


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

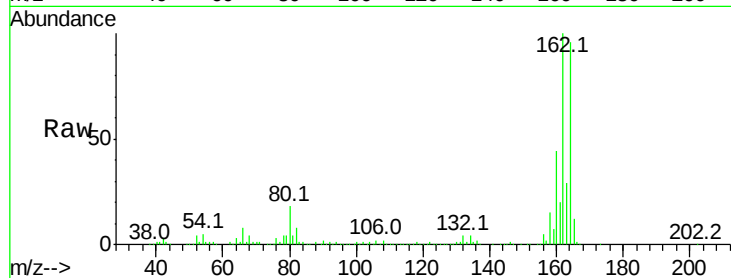




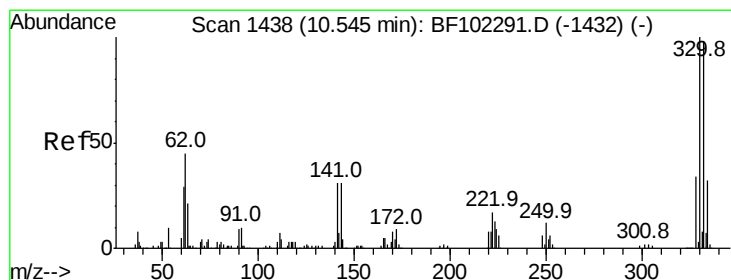
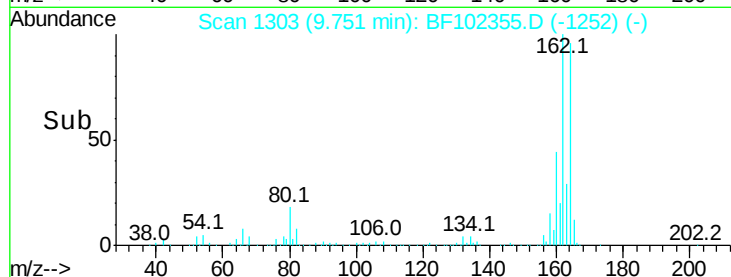
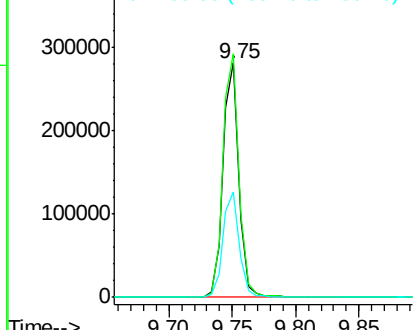
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BF102355.D
 Acq: 23 Jan 2018 21:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 246442
 Ion Ratio Lower Upper
 164 100
 162 104.0 86.1 129.1
 160 45.3 38.3 57.5

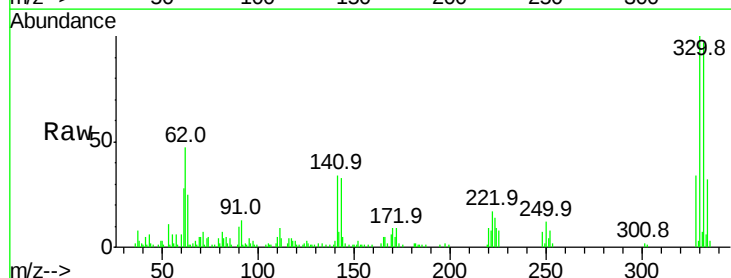


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

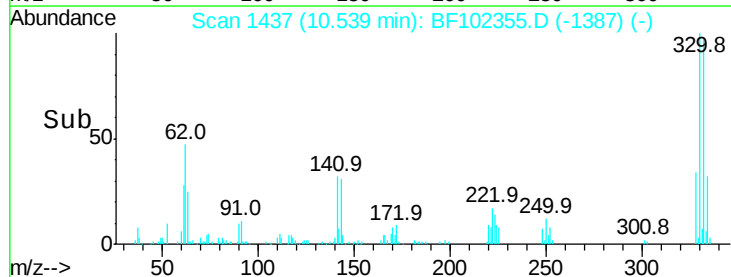
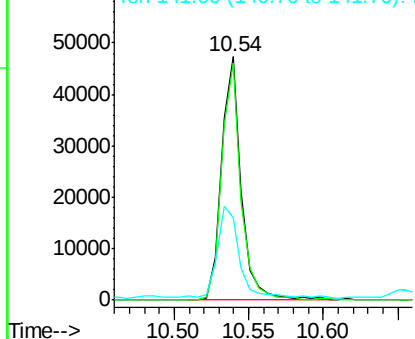


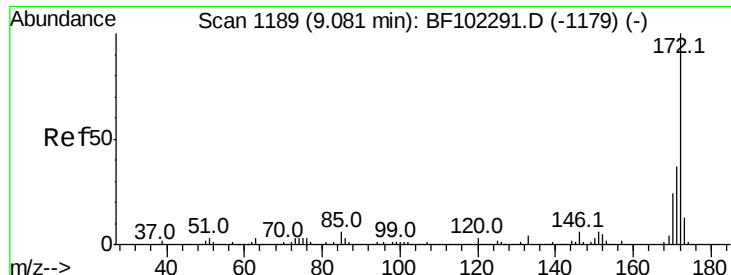
#41
 2,4,6-Tribromophenol
 Concen: 18.135 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102355.D
 Acq: 23 Jan 2018 21:18

Tgt Ion:330 Resp: 44284
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.0 115.6
 141 40.2 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

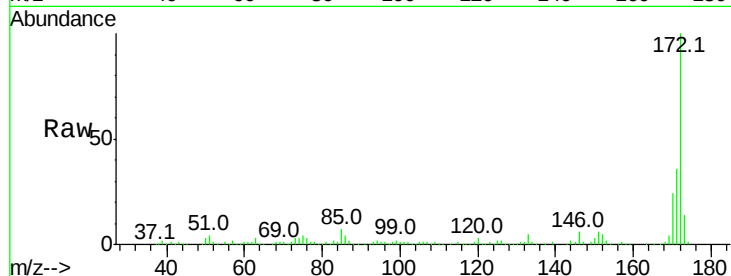




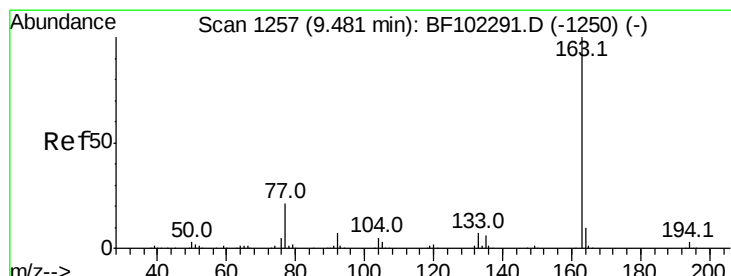
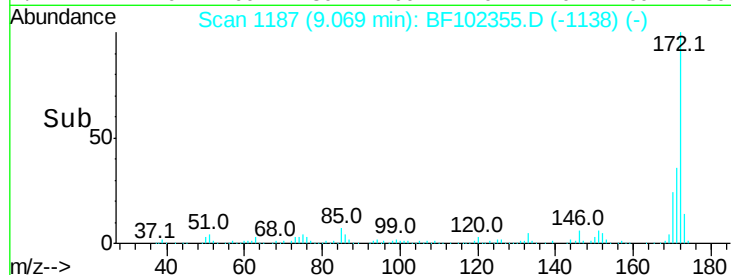
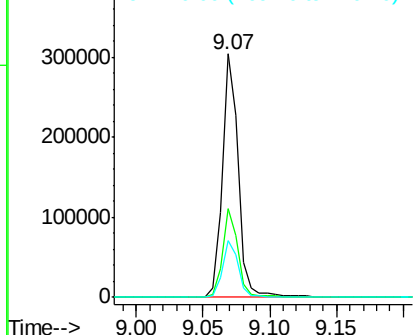
#44
2-Fluorobiphenyl
Concen: 15.416 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF102355.D
Acq: 23 Jan 2018 21:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 258378
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 23.5 19.6 29.4

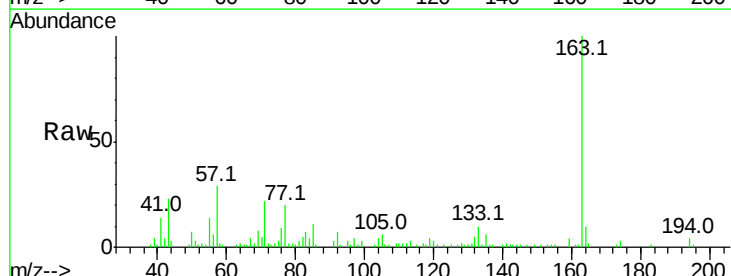


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

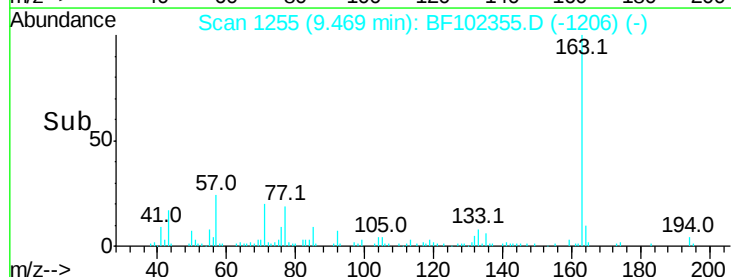
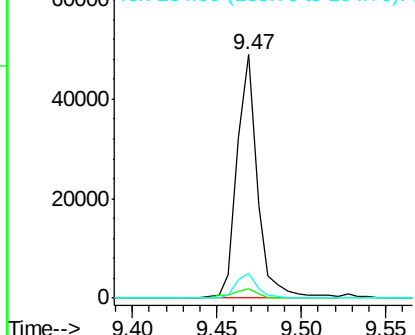


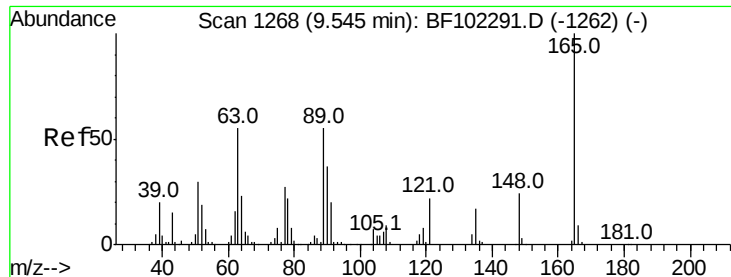
#49
Dimethylphthalate
Concen: 2.019 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102355.D
Acq: 23 Jan 2018 21:18

Tgt Ion:163 Resp: 41134
Ion Ratio Lower Upper
163 100
194 4.1 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: 7.789 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.21 min

Lab File: BF102355.D

Acq: 23 Jan 2018 21:18

Instrument :

BNA_F

ClientSampleId :

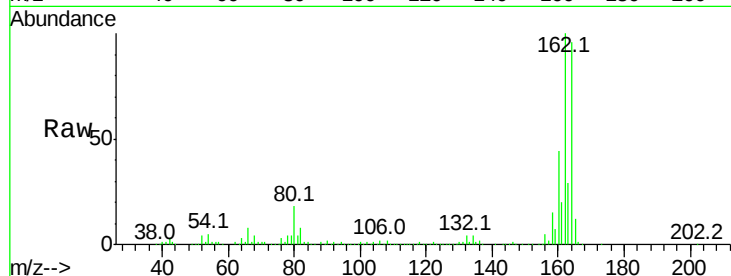
Tot Ion:165 Resp: 34209

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

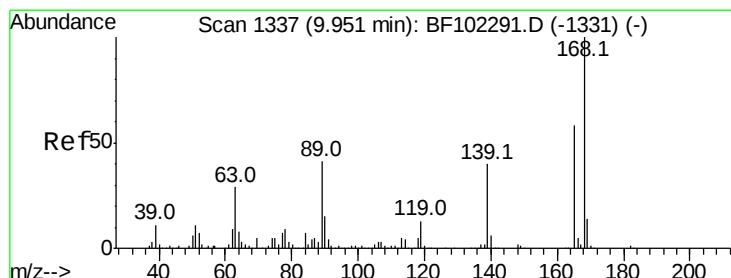
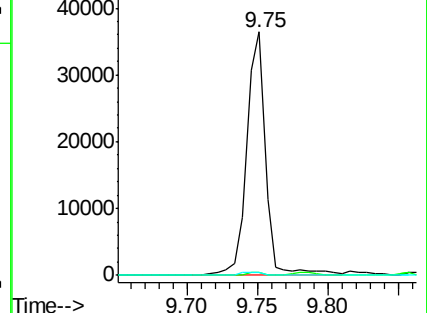
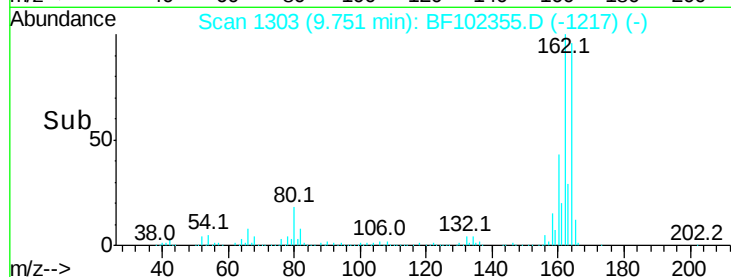
89 1.4 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.334 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF102355.D

Acq: 23 Jan 2018 21:18

Tgt Ion:165 Resp: 34209

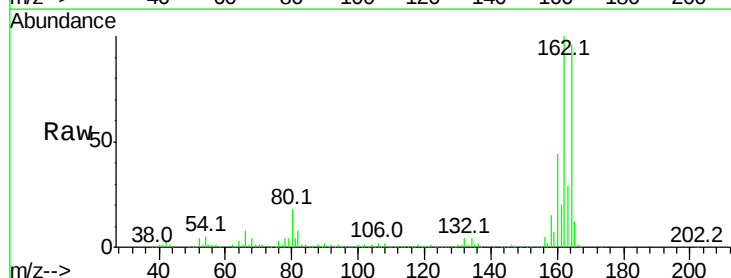
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

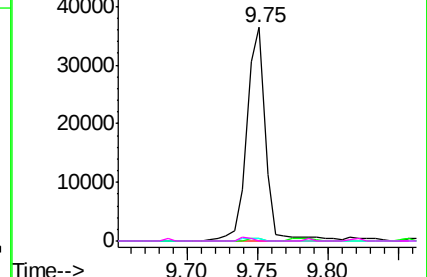
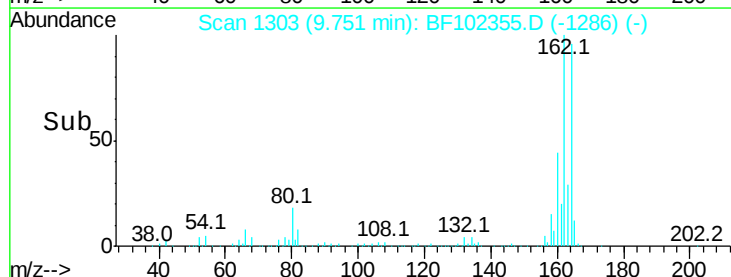


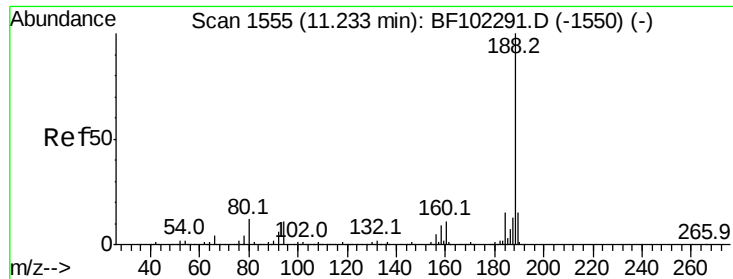
Abundance Ion 165.00 (164.70 to 165.70): E

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

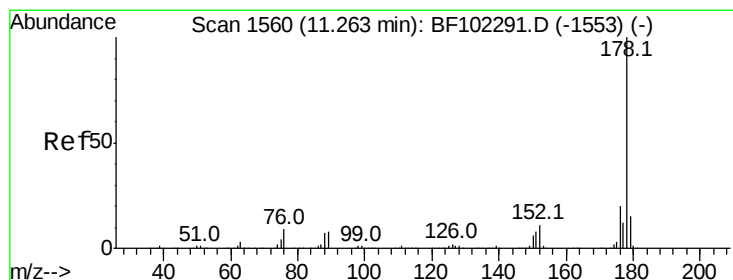
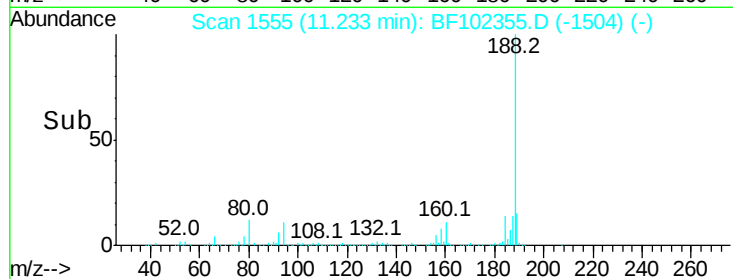
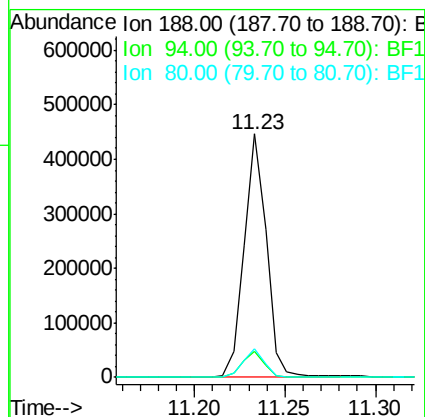
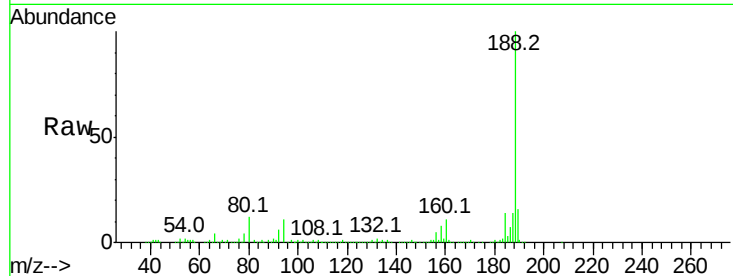




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102355.D
Acq: 23 Jan 2018 21:18

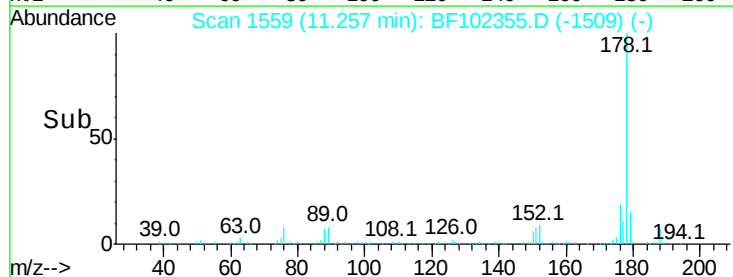
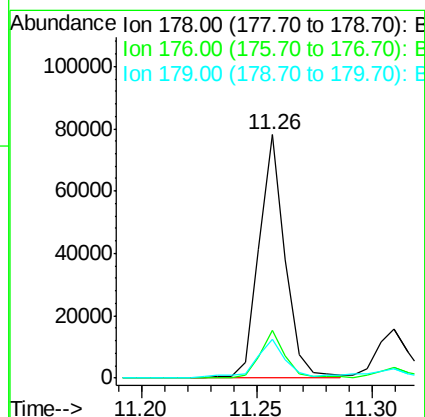
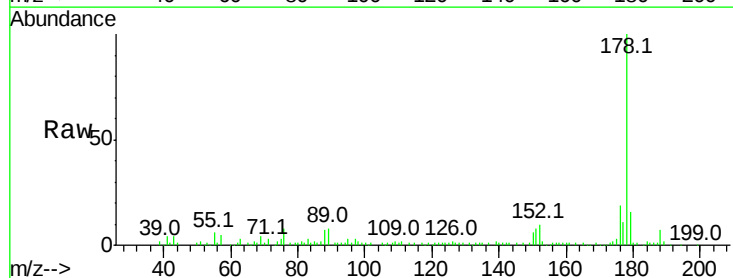
Instrument :
BNA_F
ClientSampleId :

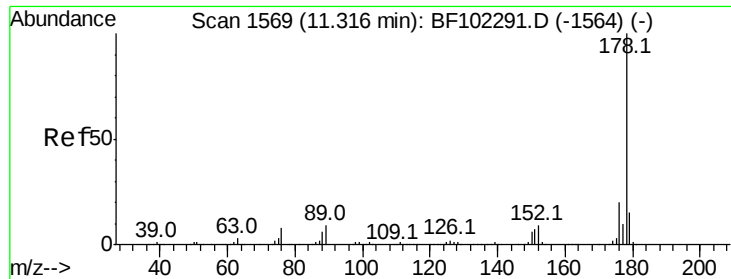
Tot Ion:188 Resp: 382102
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.9 9.2 13.8



#70
Phenanthrene
Concen: 2.771 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102355.D
Acq: 23 Jan 2018 21:18

Tgt Ion:178 Resp: 61705
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.8 13.0 19.6





#71

Anthracene

Concen: 2.715 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.06 min

Lab File: BF102355.D

Acq: 23 Jan 2018 21:18

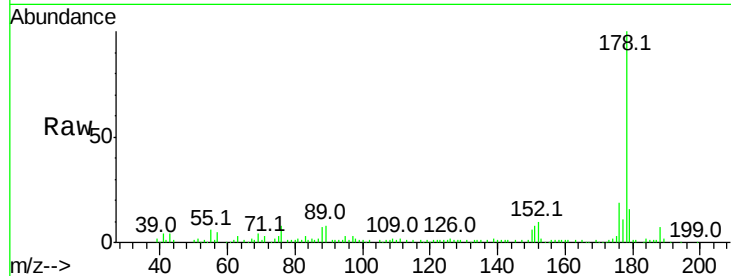
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 61705

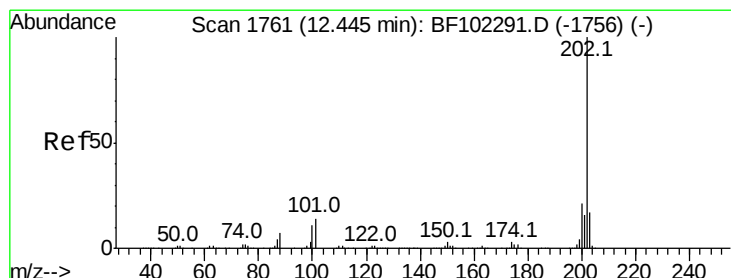
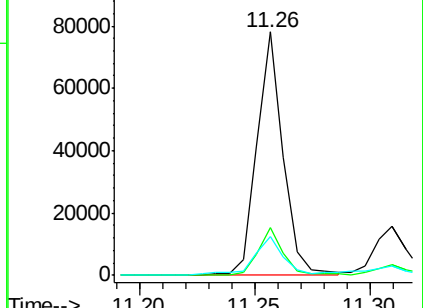
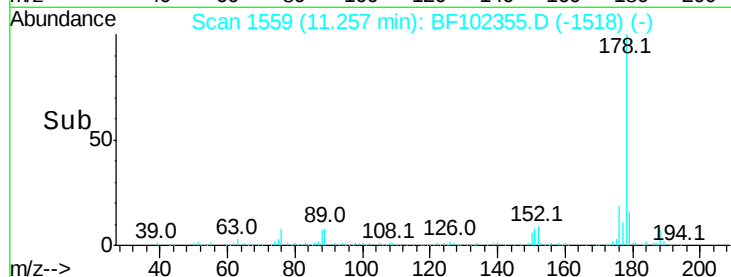
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.8	12.6	19.0



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: 4.587 ng

RT: 12.44 min Scan# 1761

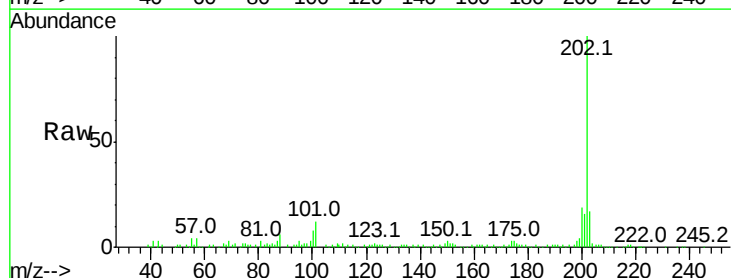
Delta R.T. -0.00 min

Lab File: BF102355.D

Acq: 23 Jan 2018 21:18

Tgt Ion:202 Resp: 104145

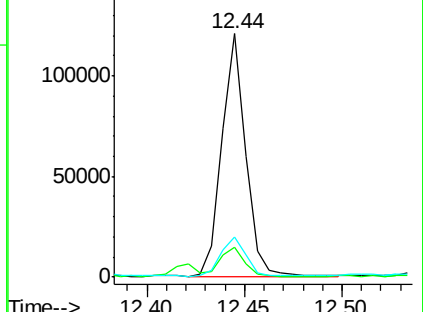
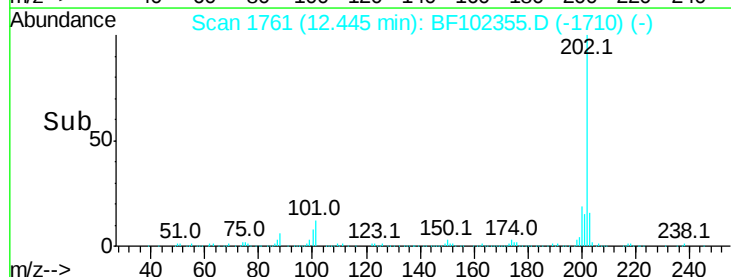
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.1
203	16.6	0.0	38.1

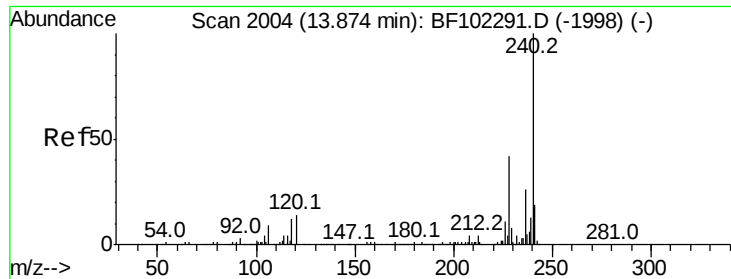


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF102355.D

Acq: 23 Jan 2018 21:18

Instrument :

BNA_F

ClientSampleId :

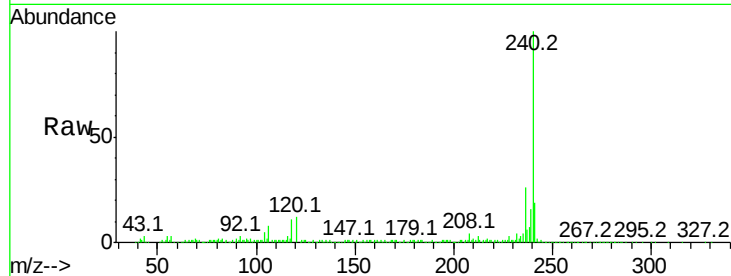
Tot Ion:240 Resp: 255770

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

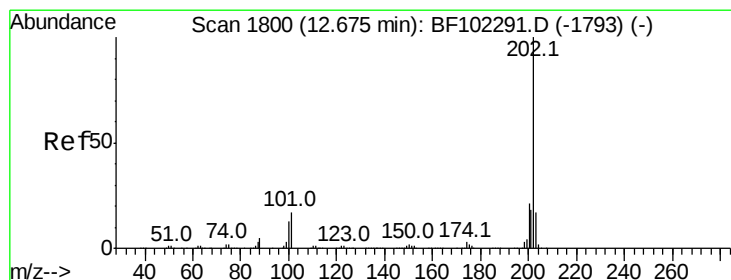
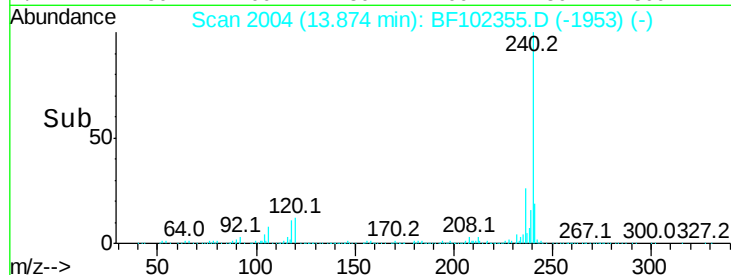
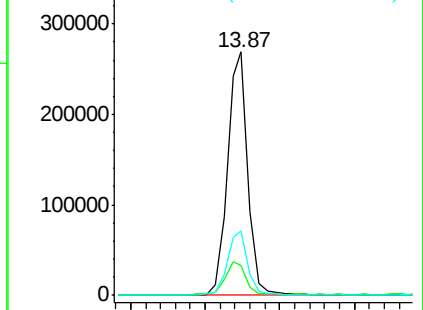
236 26.2 20.7 31.1



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: 4.951 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BF102355.D

Acq: 23 Jan 2018 21:18

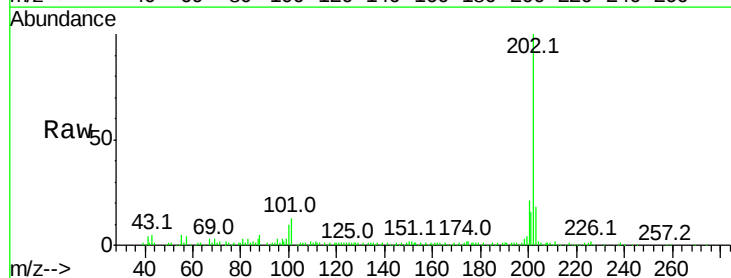
Tgt Ion:202 Resp: 97916

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

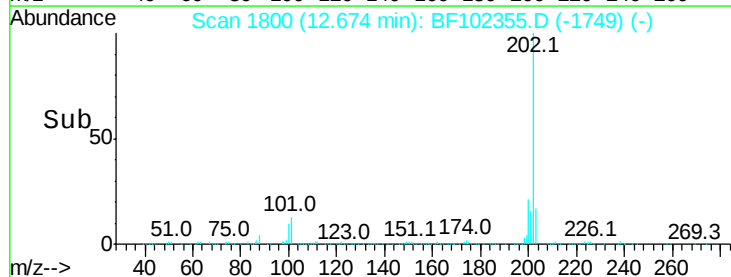
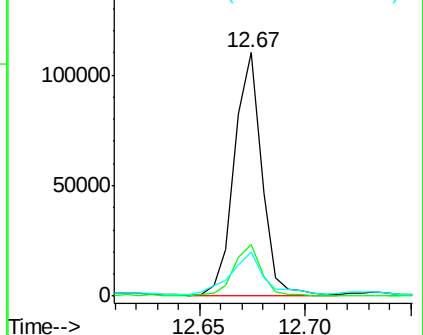
203 18.2 14.3 21.5

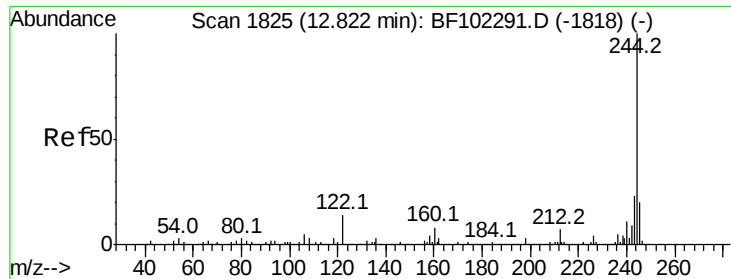


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 15.636 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102355.D

Acq: 23 Jan 2018 21:18

Instrument :

BNA_F

ClientSampleId :

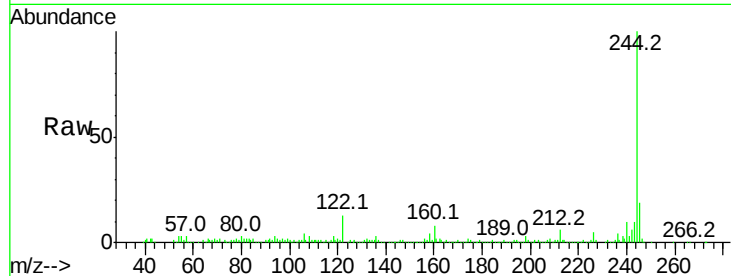
Tot Ion:244 Resp: 177396

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

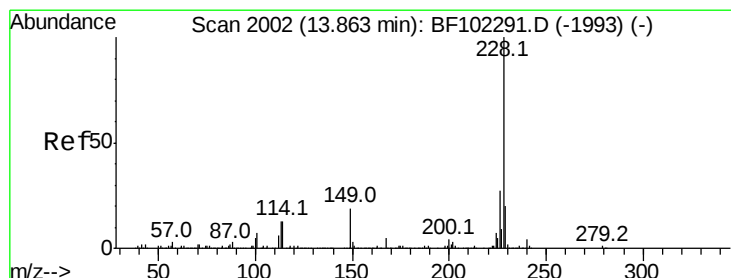
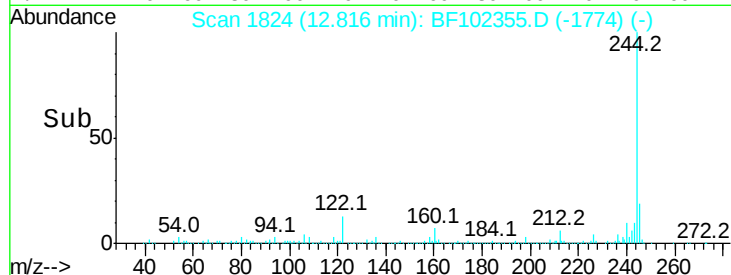
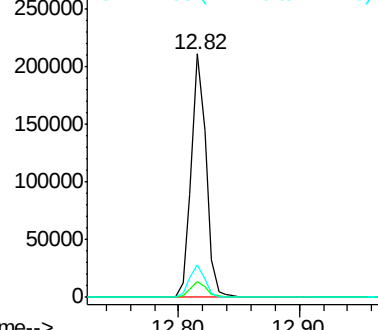
122 13.3 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.539 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BF102355.D

Acq: 23 Jan 2018 21:18

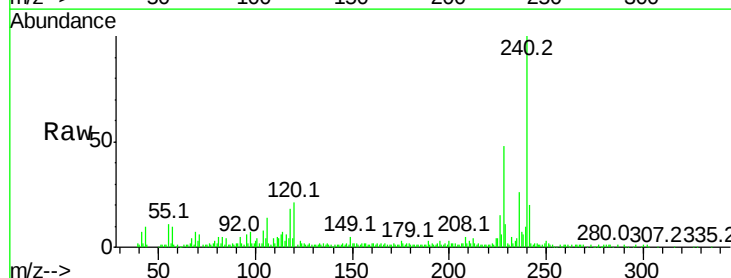
Tgt Ion:228 Resp: 39974

Ion Ratio Lower Upper

228 100

226 31.2 22.6 33.8

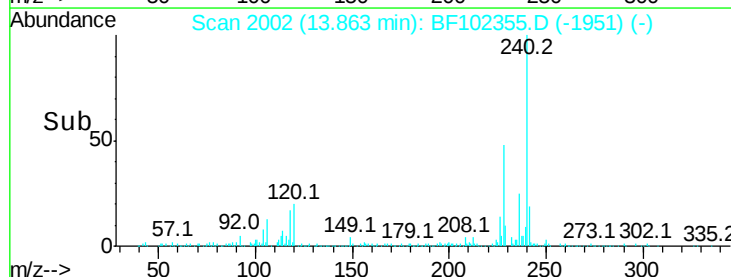
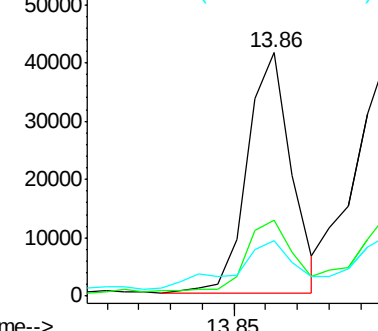
229 22.9 15.8 23.6

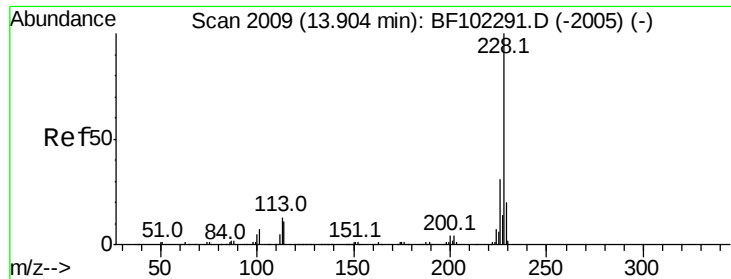


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

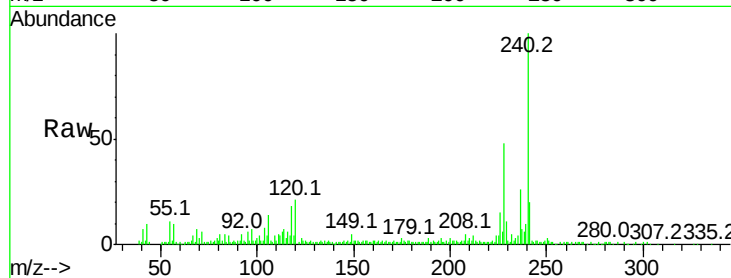




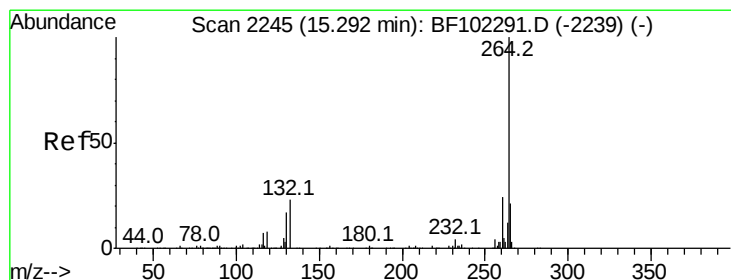
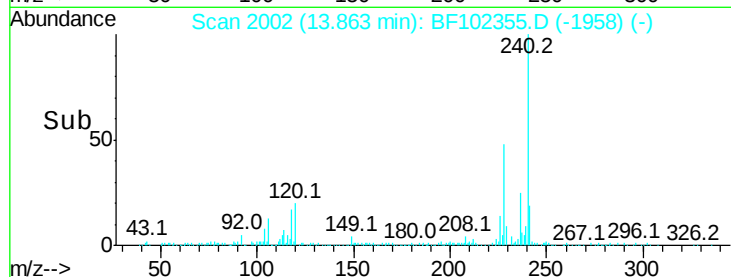
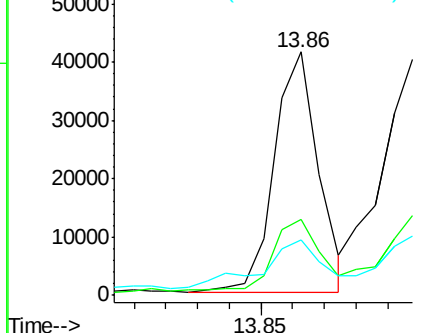
#82
Chrysene
Concen: 2.500 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.04 min
Lab File: BF102355.D
Acq: 23 Jan 2018 21:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 39974
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 22.9 16.2 24.4

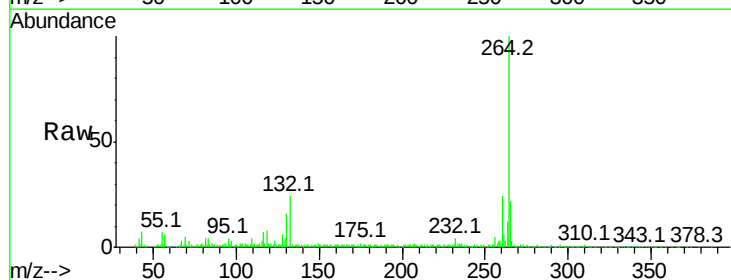


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

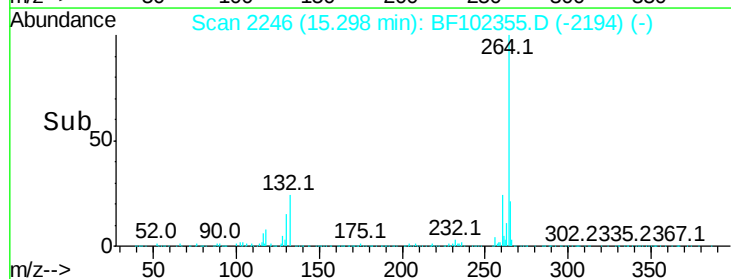
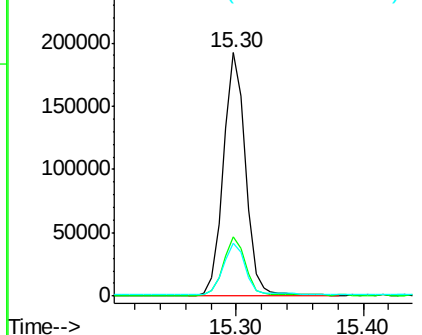


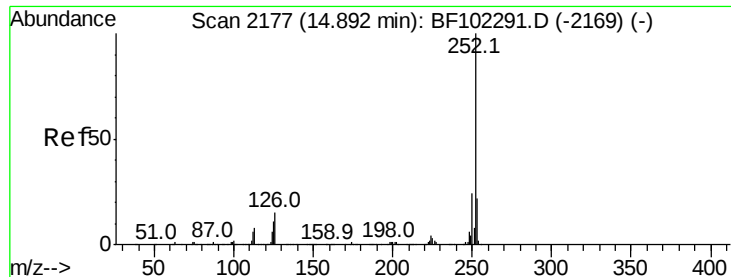
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102355.D
Acq: 23 Jan 2018 21:18

Tgt Ion:264 Resp: 231077
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.7 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.273 ng

RT: 14.89 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BF102355.D

Acq: 23 Jan 2018 21:18

Instrument :

BNA_F

ClientSampleId :

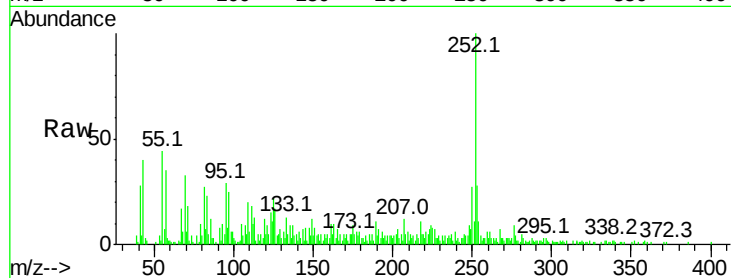
Tot Ion:252 Resp: 63993

Ion Ratio Lower Upper

252 100

253 28.1 17.0 25.6#

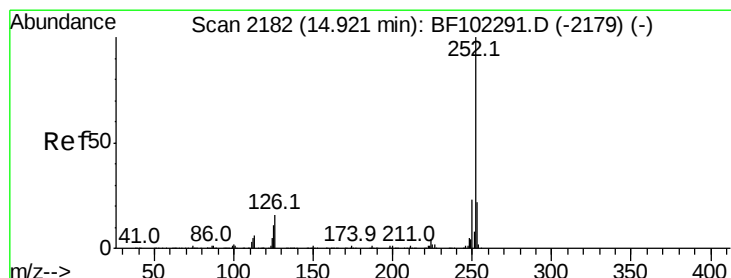
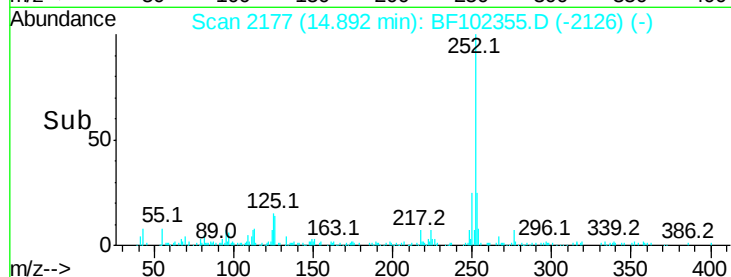
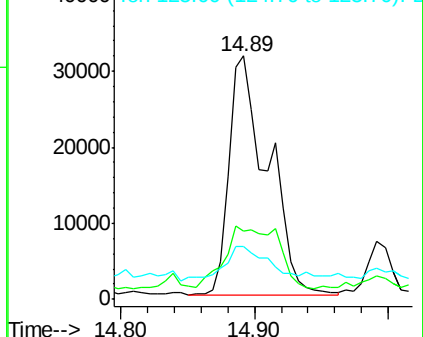
125 21.8 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.522 ng

RT: 14.89 min Scan# 2177

Delta R.T. -0.03 min

Lab File: BF102355.D

Acq: 23 Jan 2018 21:18

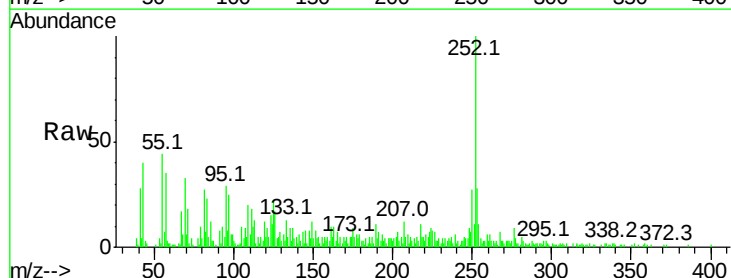
Tgt Ion:252 Resp: 63993

Ion Ratio Lower Upper

252 100

253 28.1 17.9 26.9#

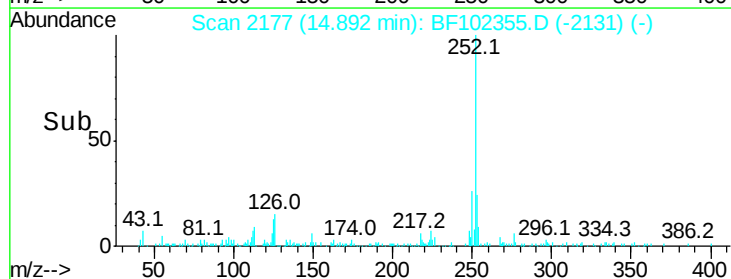
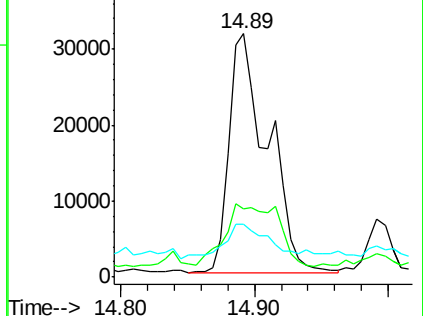
125 21.8 10.2 15.2#

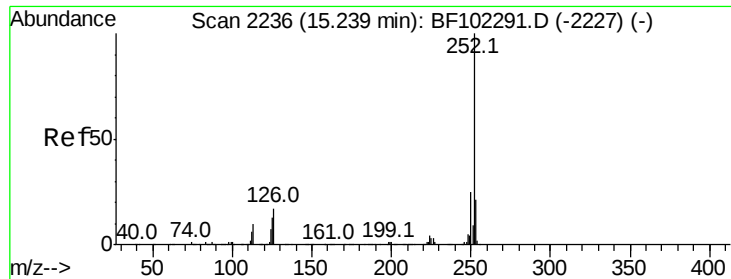


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.457 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BF102355.D

Acq: 23 Jan 2018 21:18

Instrument :

BNA_F

ClientSampleId :

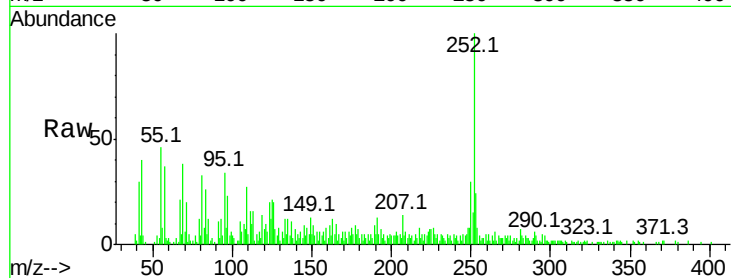
Tot Ion: 252 Resp: 33186

Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

125 20.9 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

