

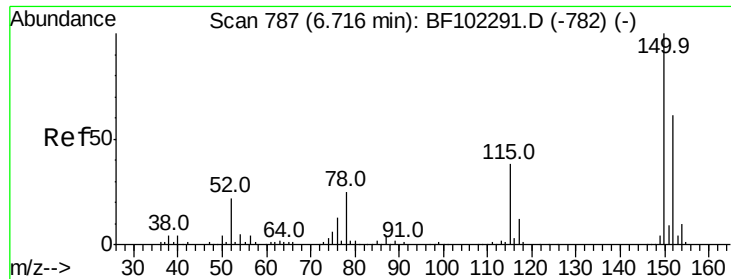
Data Path : U:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102655.D
 Acq On : 30 Jan 2018 22:24
 Operator : SJ/JU
 Sample : J1019-11 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 31 02:30:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	164016	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	670149	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	267266	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	387596	20.00	ng	0.00
75) Chrysene-d12	13.88	240	306395	20.00	ng	0.00
86) Perylene-d12	15.31	264	261146	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	128178	11.85	ng	0.00
7) Phenol-d6	6.36	99	161978	12.42	ng	0.00
23) Nitrobenzene-d5	7.28	82	99573	8.54	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	20201	7.63	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	185425	10.20	ng	0.00
78) Terphenyl-d14	12.82	244	120383	8.86	ng	0.00
Target Compounds						
25) Isophorone	7.28	82	96370	4.636	ng	Qvalue # 65
70) Phenanthrene	11.26	178	108510	4.804	ng	99
74) Fluoranthene	12.45	202	290972	12.633	ng	99
77) Pyrene	12.69	202	267532	11.293	ng	99
80) Benzo(a)anthracene	13.87	228	146444	7.763	ng	97
82) Chrysene	13.90	228	113522	5.926	ng	98
85) Indeno(1,2,3-cd)pyrene	16.72	276	48961	3.095	ng	97
87) Benzo(b)fluoranthene	14.90	252	216590	12.796	ng	# 92
88) Benzo(k)fluoranthene	14.90	252	216590	13.544	ng	# 95
89) Benzo(a)pyrene	15.25	252	117785	7.716	ng	# 93
91) Benzo(g,h,i)perylene	17.14	276	46403	3.800	ng	# 89

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

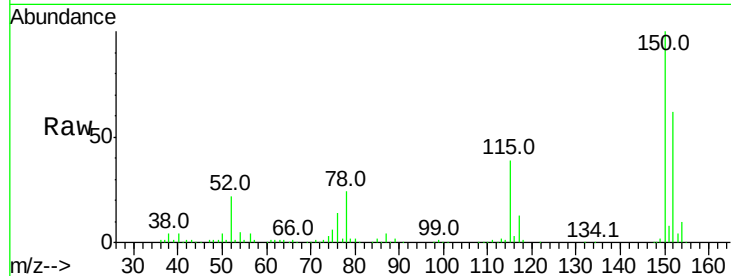


#1

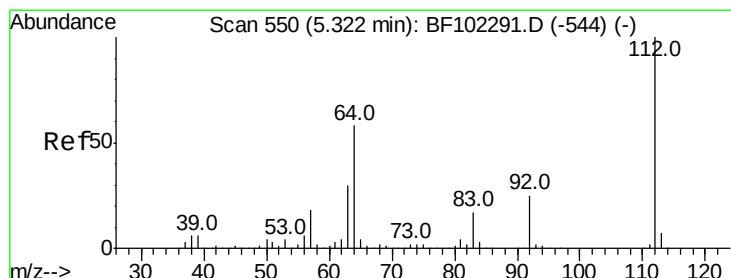
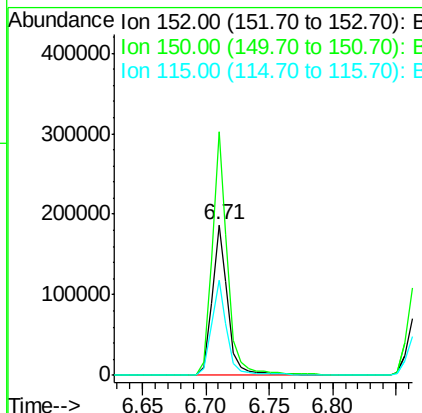
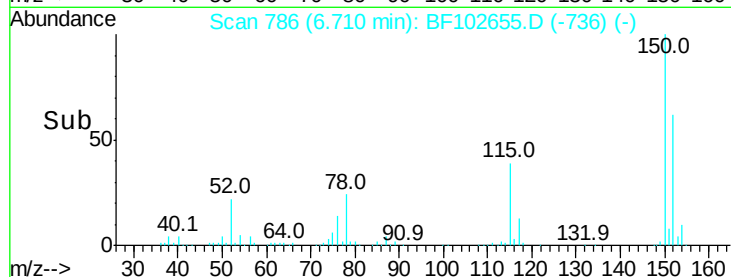
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102655.D
Acq: 30 Jan 2018 22:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164016
Ion Ratio Lower Upper
152 100
150 162.1 124.6 186.8
115 63.7 50.1 75.1



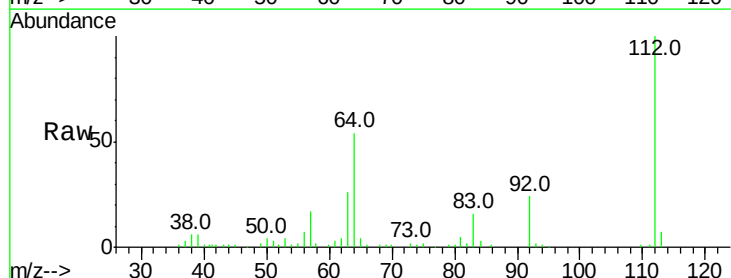
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



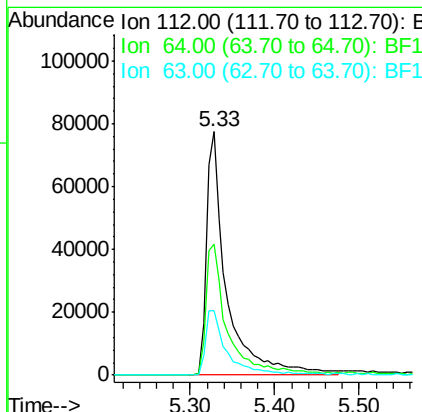
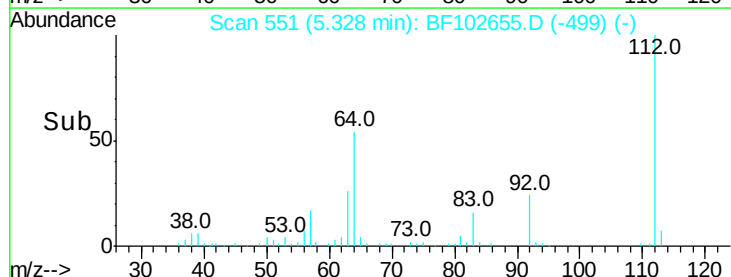
#5

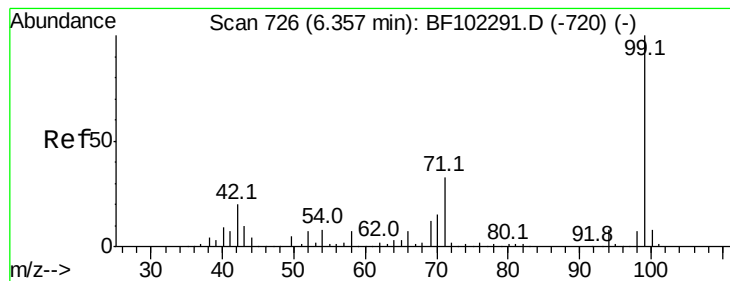
2-Fluorophenol
Concen: 11.850 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102655.D
Acq: 30 Jan 2018 22:24

Tgt Ion:112 Resp: 128178
Ion Ratio Lower Upper
112 100
64 53.7 47.9 71.9
63 26.4 23.7 35.5



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





#7

Phenol-d6

Concen: 12.421 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

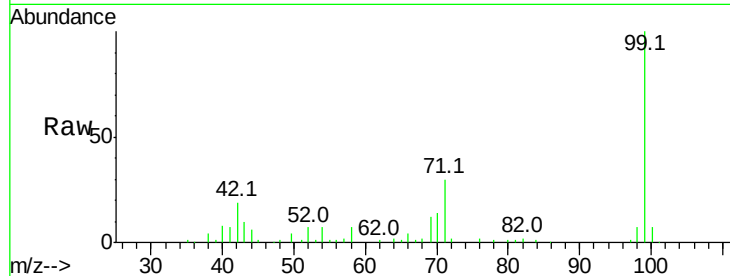
Tot Ion: 99 Resp: 161978

Ion Ratio Lower Upper

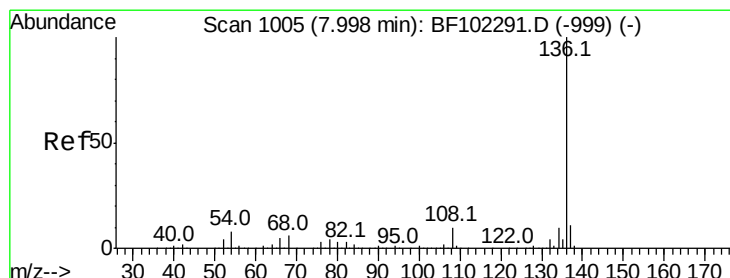
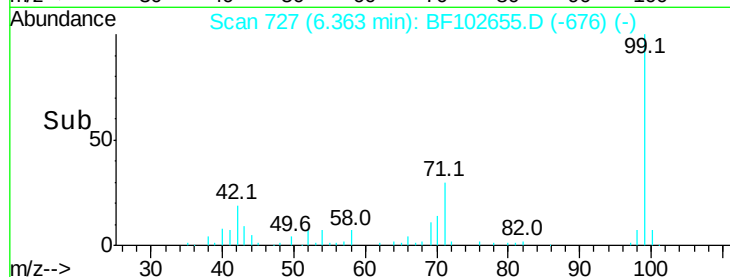
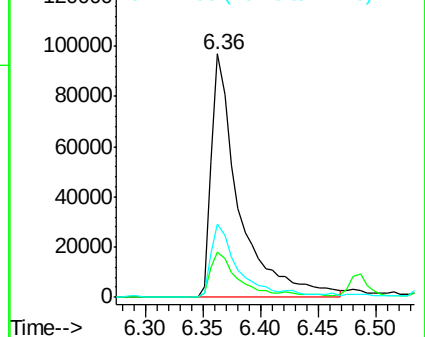
99 100

42 18.8 14.5 21.7

71 30.1 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: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Tgt Ion: 136 Resp: 670149

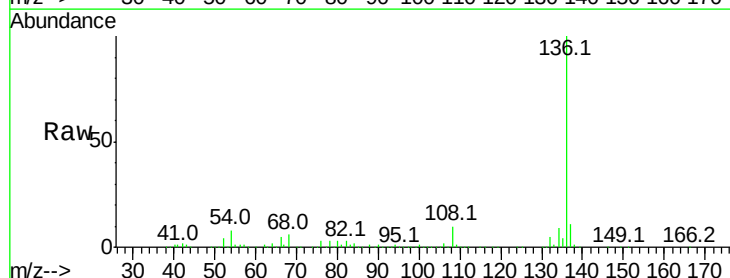
Ion Ratio Lower Upper

136 100

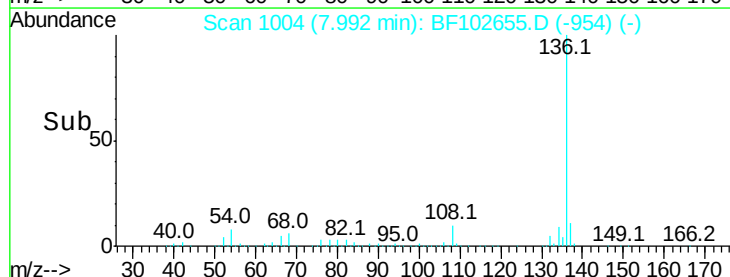
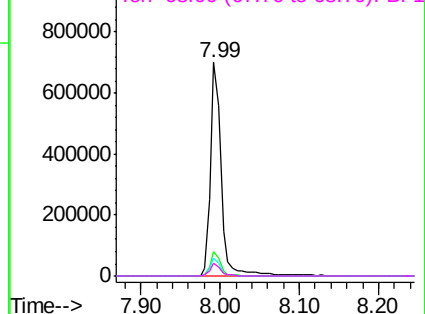
137 11.1 8.9 13.3

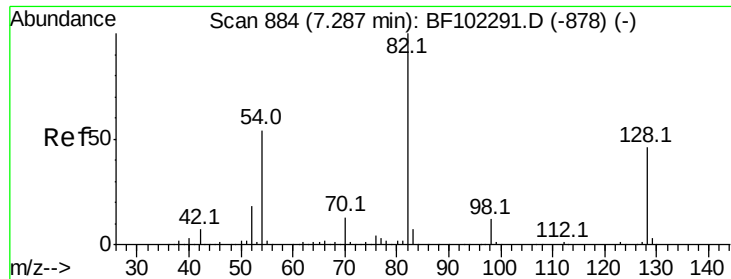
54 8.4 6.6 9.8

68 6.0 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: 8.539 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Instrument :

BNA_F

ClientSampled :

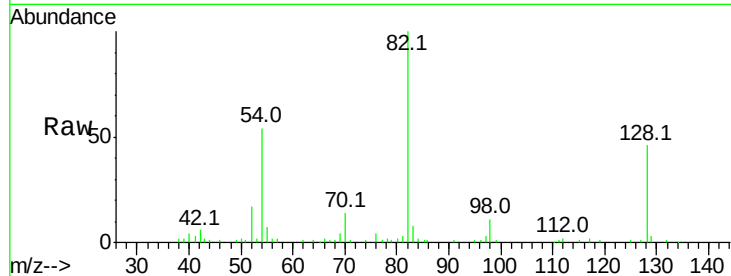
Tot Ion: 82 Resp: 99573

Ion Ratio Lower Upper

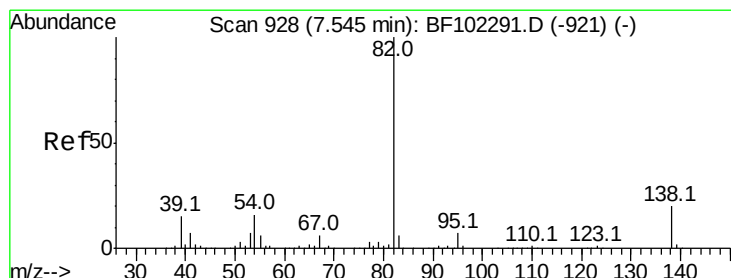
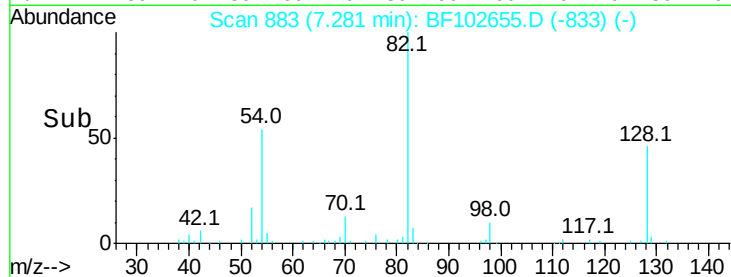
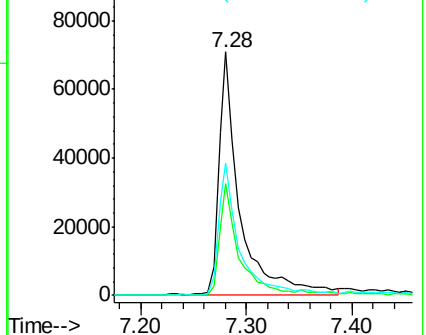
82 100

128 45.8 36.1 54.1

54 54.1 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: 4.636 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

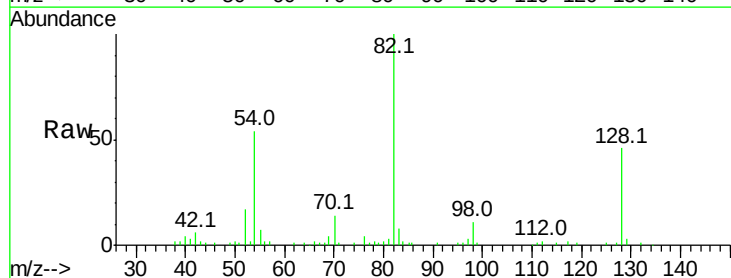
Tgt Ion: 82 Resp: 96370

Ion Ratio Lower Upper

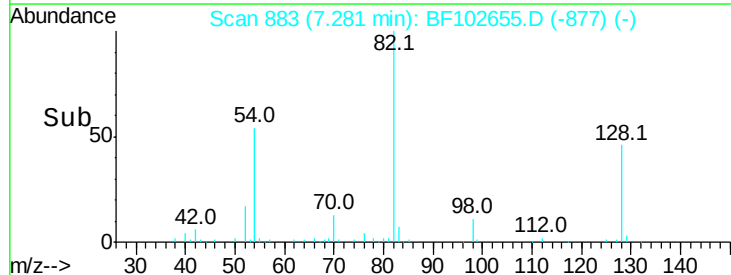
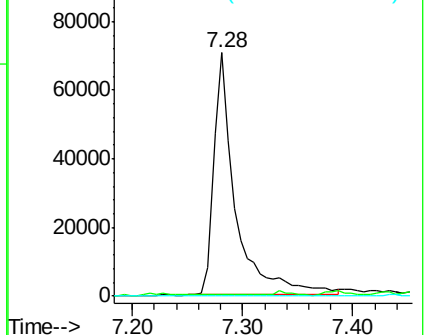
82 100

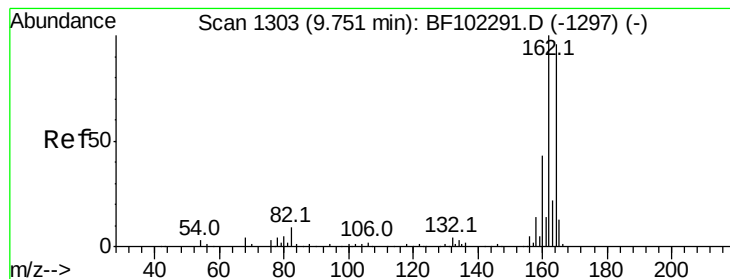
95 0.5 5.2 7.8#

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# 1302

Delta R.T. -0.01 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

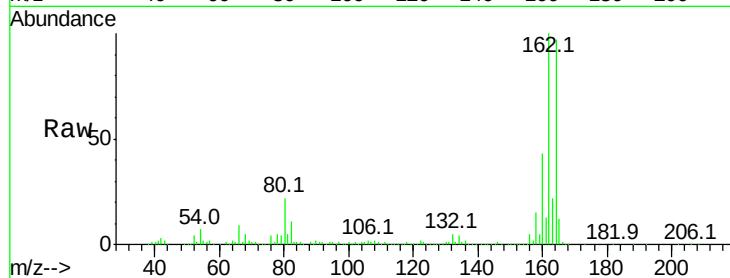
Tot Ion:164 Resp: 267266

Ion Ratio Lower Upper

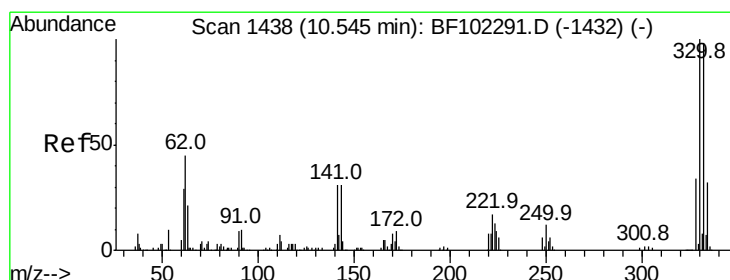
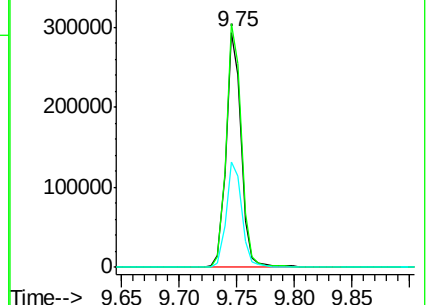
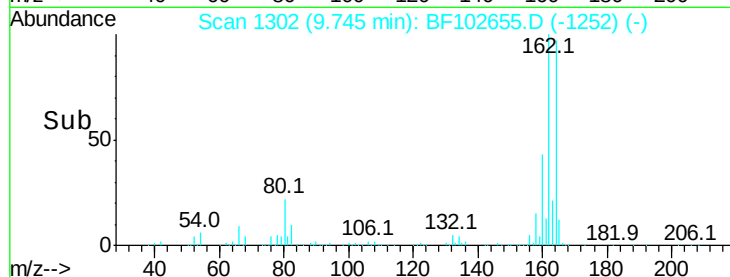
164 100

162 103.5 86.1 129.1

160 44.6 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: 7.628 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

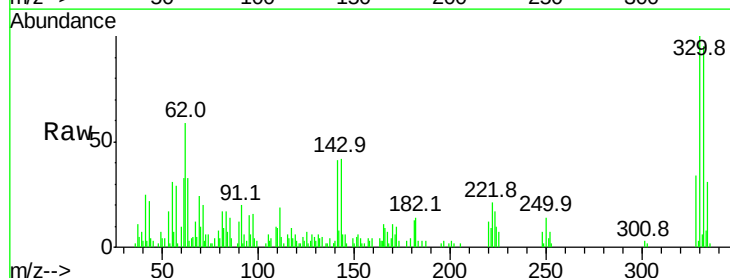
Tgt Ion:330 Resp: 20201

Ion Ratio Lower Upper

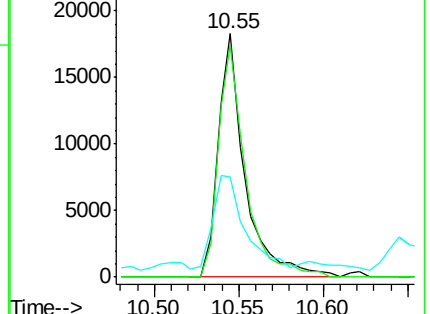
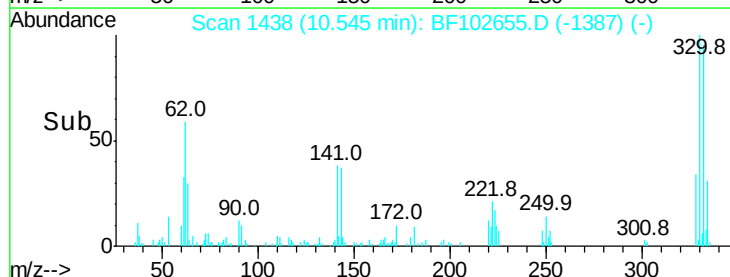
330 100

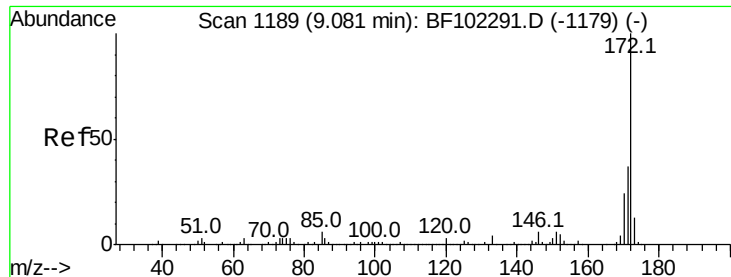
332 97.3 77.0 115.6

141 44.9 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: 10.201 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

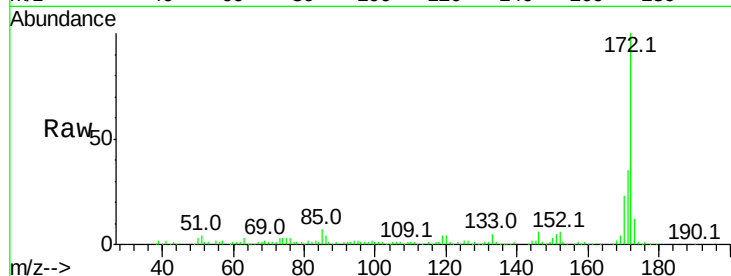
Tot Ion:172 Resp: 185425

Ion Ratio Lower Upper

172 100

171 35.2 29.7 44.5

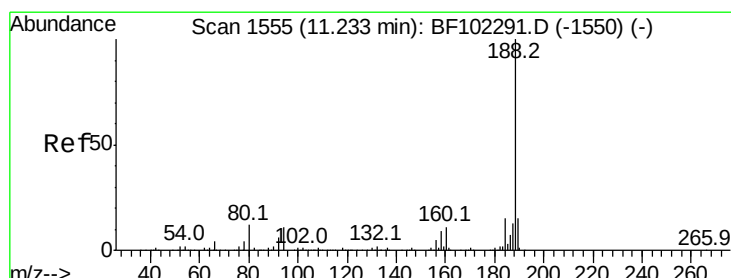
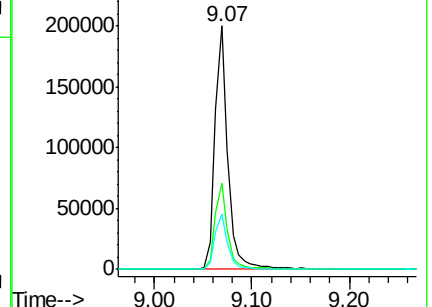
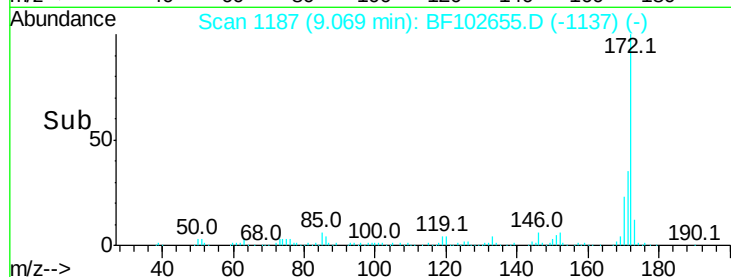
170 22.9 19.6 29.4



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

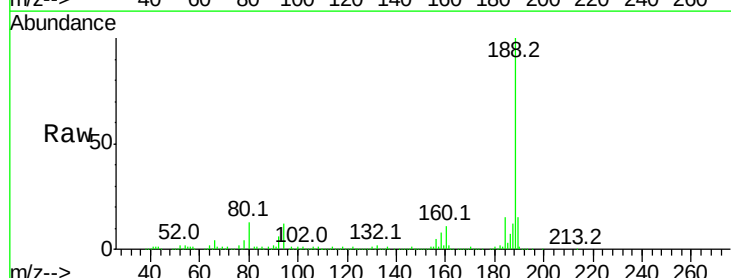
Tgt Ion:188 Resp: 387596

Ion Ratio Lower Upper

188 100

94 12.2 8.5 12.7

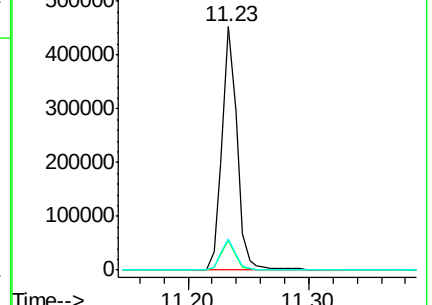
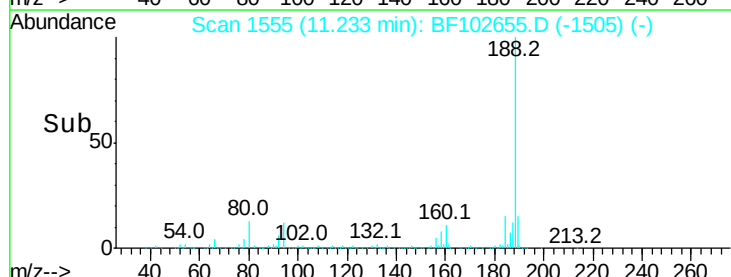
80 12.6 9.2 13.8

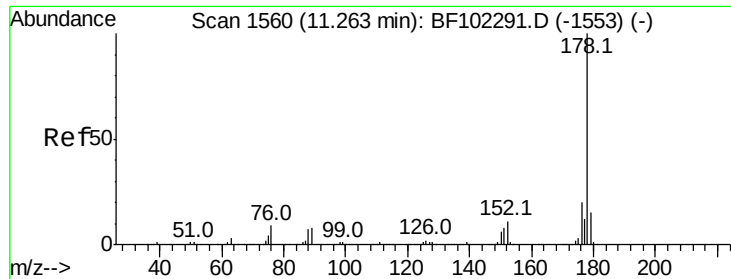


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 4.804 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

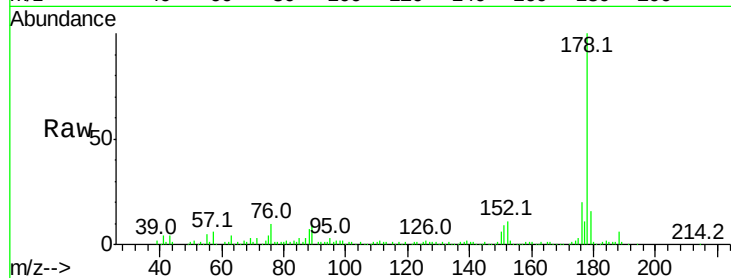
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 108510

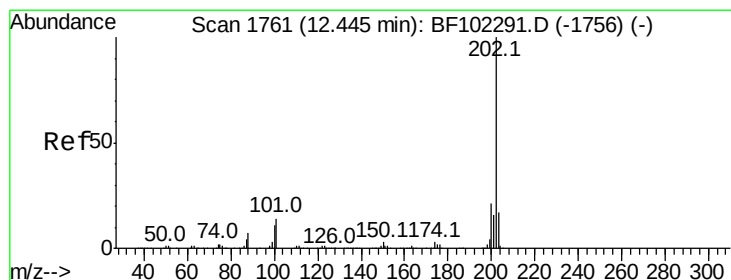
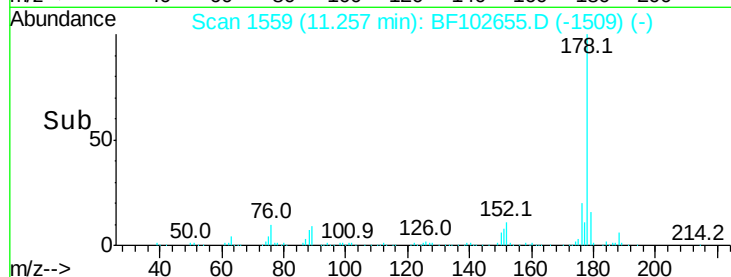
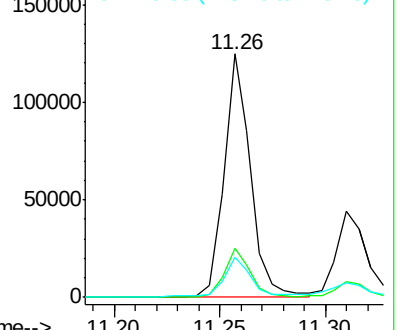
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	16.2	13.0	19.6



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



#74

Fluoranthene

Concen: 12.633 ng

RT: 12.45 min Scan# 1762

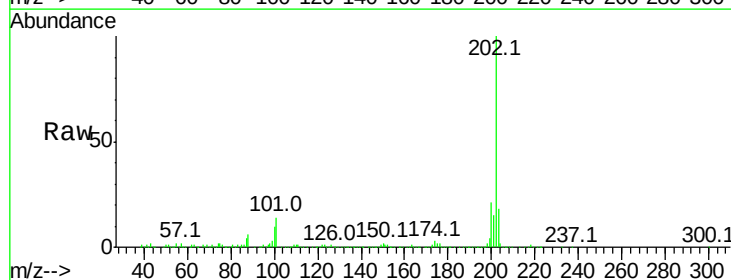
Delta R.T. 0.00 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Tgt Ion:202 Resp: 290972

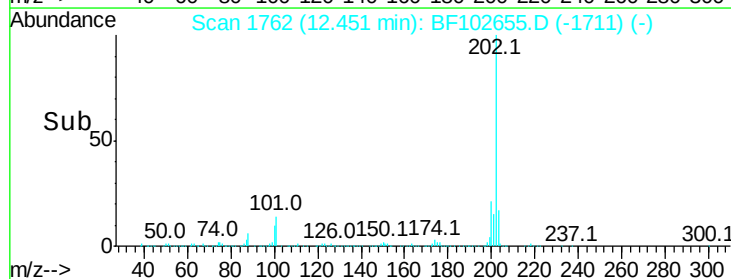
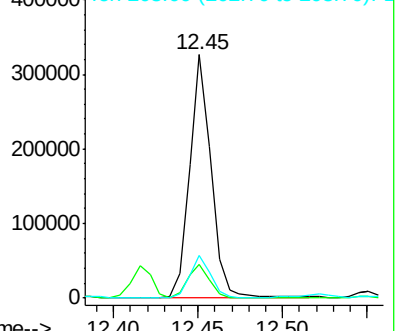
Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	17.6	0.0	38.1

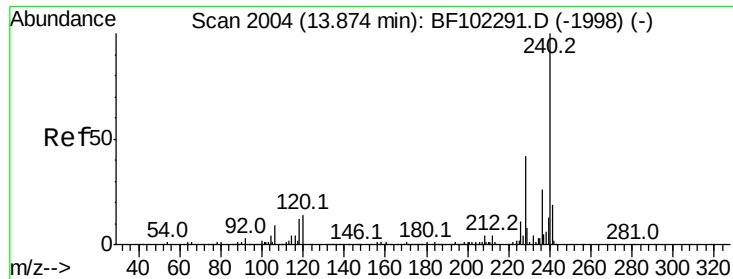


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

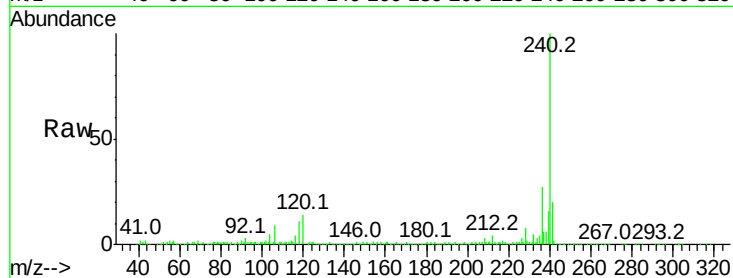
Tot Ion:240 Resp: 306395

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

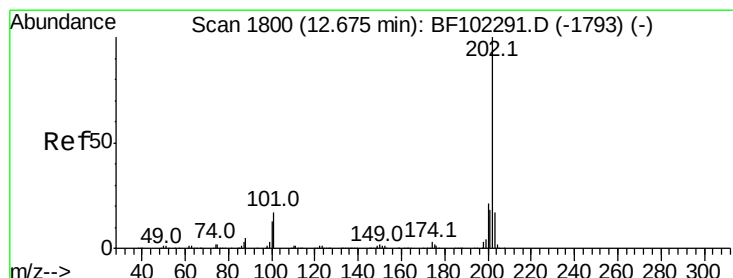
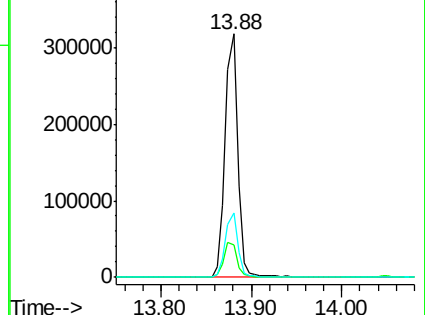
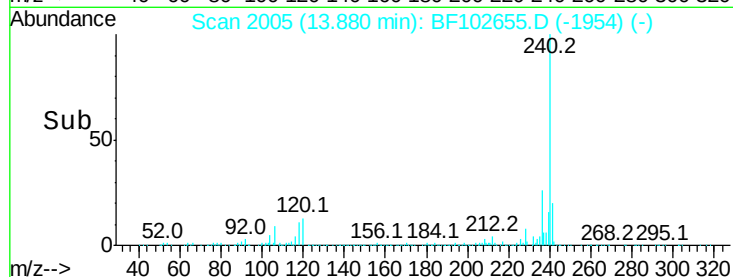
236 26.6 20.7 31.1



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: 11.293 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

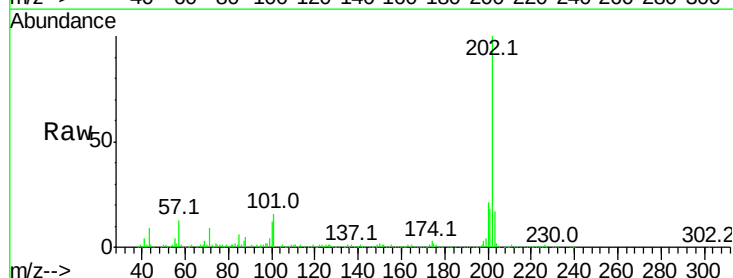
Tgt Ion:202 Resp: 267532

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

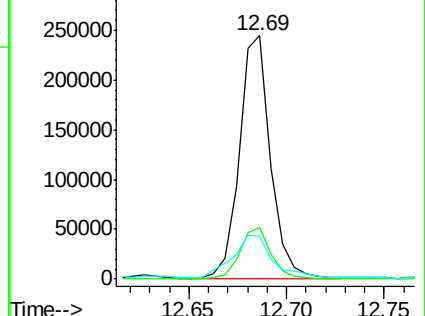
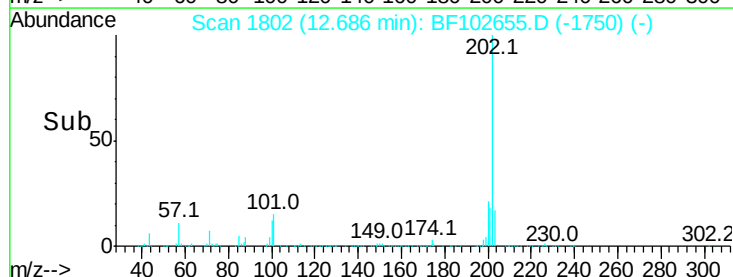
203 17.4 14.3 21.5

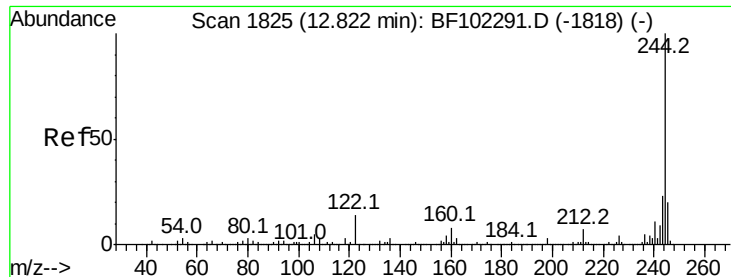


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.857 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

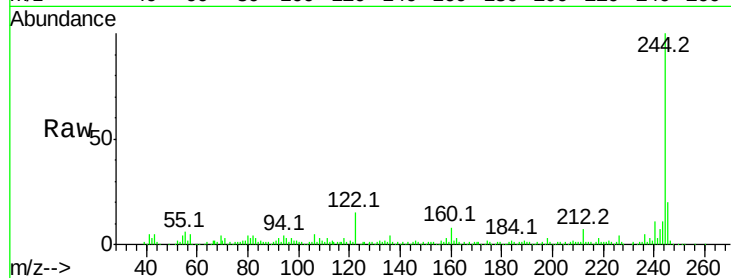
Tot Ion:244 Resp: 120383

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

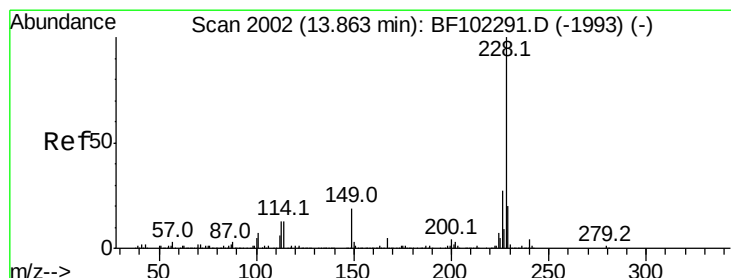
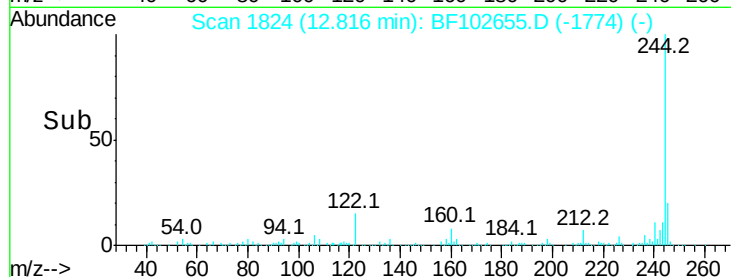
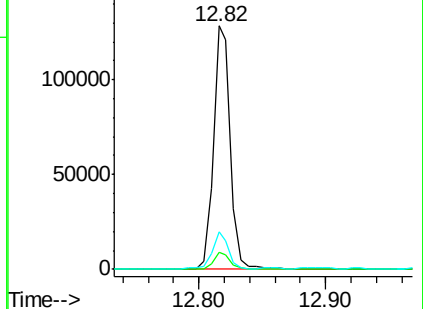
122 15.4 11.0 16.4



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: 7.763 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

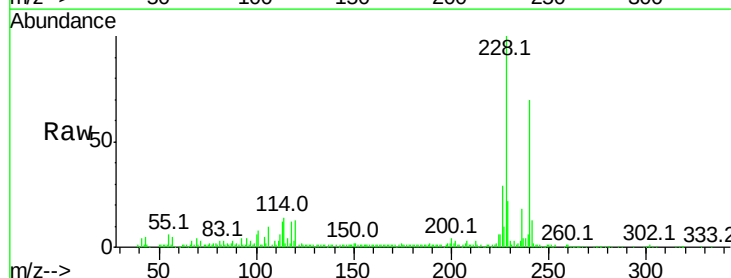
Tgt Ion:228 Resp: 146444

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

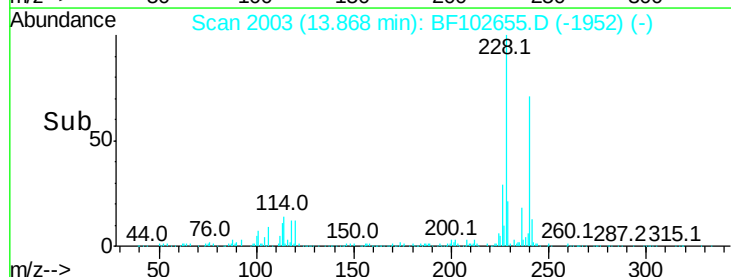
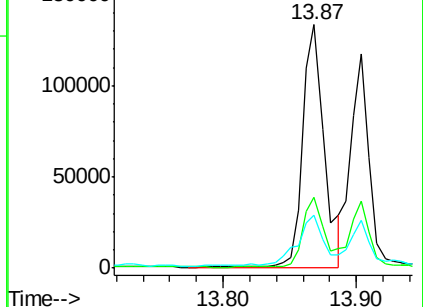
229 21.5 15.8 23.6

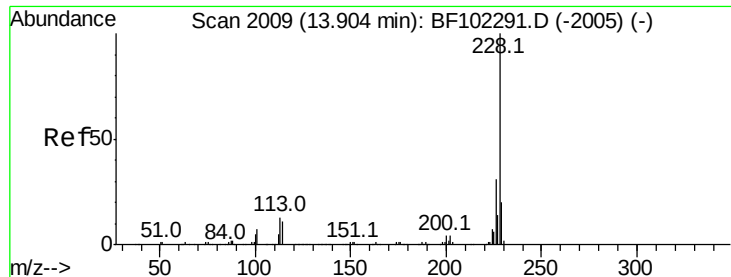


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.926 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

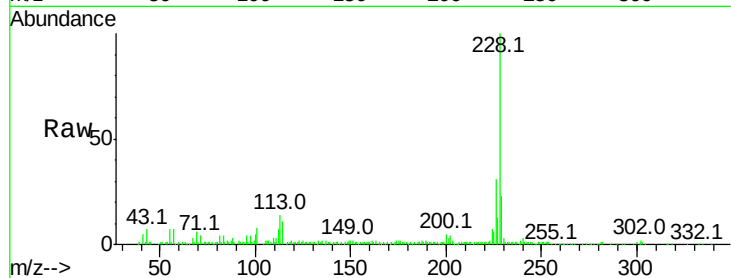
Tot Ion:228 Resp: 113522

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

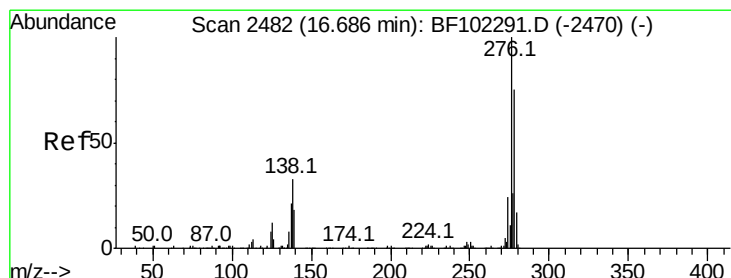
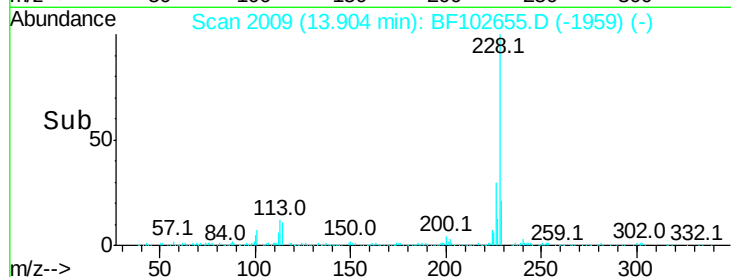
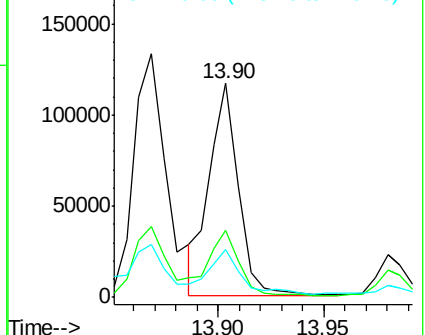
229 22.6 16.2 24.4



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: 3.095 ng

RT: 16.72 min Scan# 2487

Delta R.T. 0.01 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

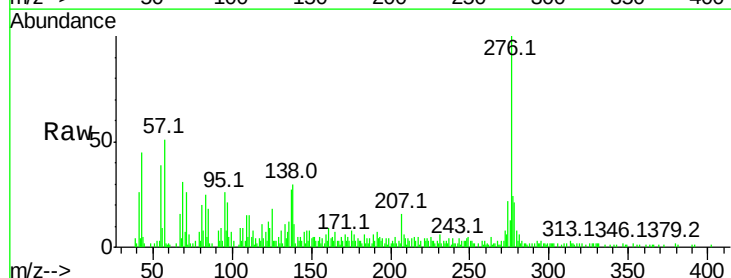
Tgt Ion:276 Resp: 48961

Ion Ratio Lower Upper

276 100

138 30.7 25.0 37.6

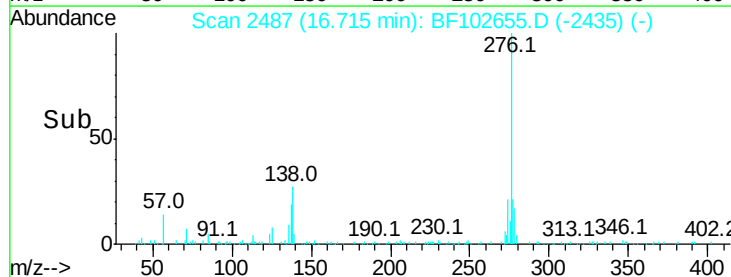
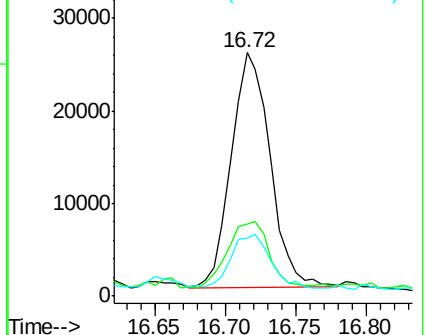
277 22.7 20.1 30.1

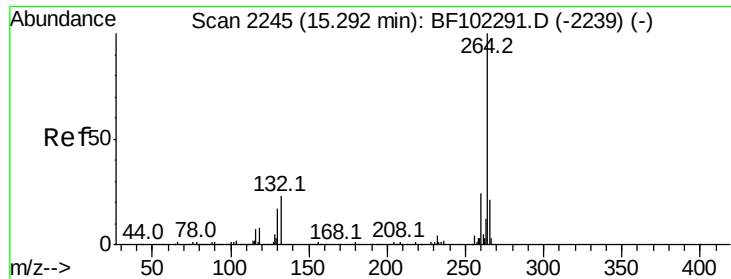


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

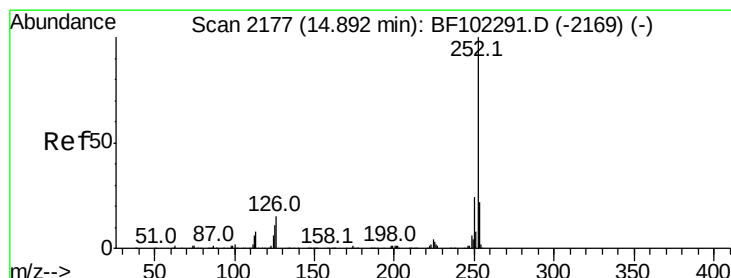
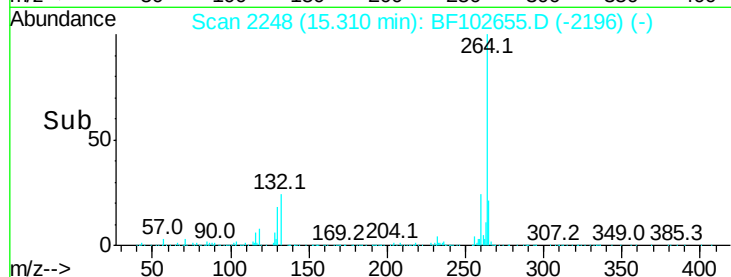
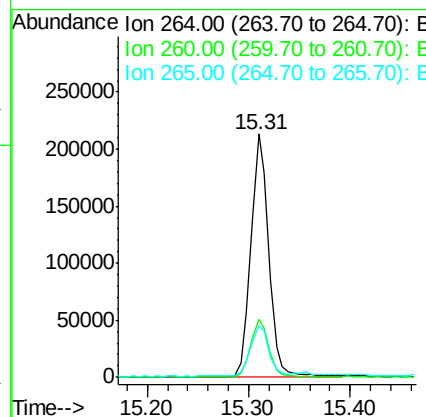
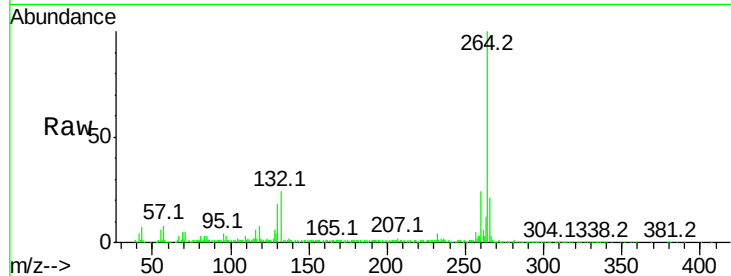




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102655.D
Acq: 30 Jan 2018 22:24

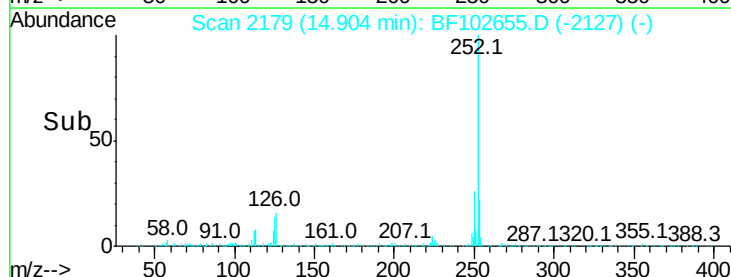
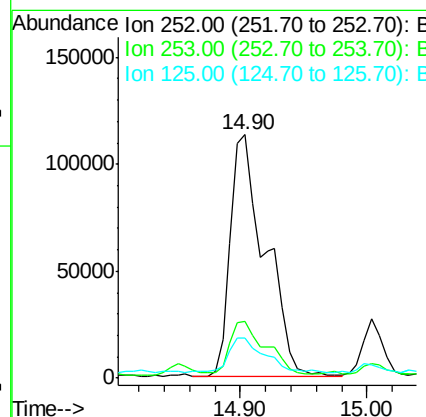
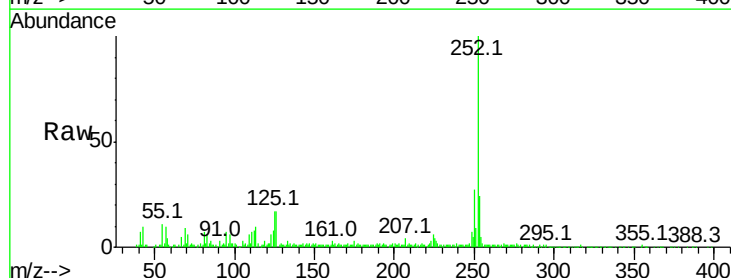
Instrument :
BNA_F
ClientSampleId :

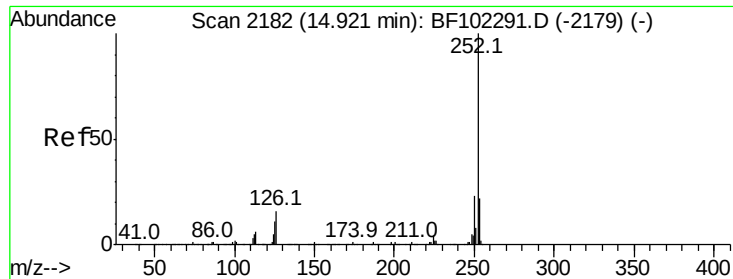
Tot Ion:264 Resp: 261146
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 12.796 ng
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102655.D
Acq: 30 Jan 2018 22:24

Tgt Ion:252 Resp: 216590
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 16.5 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 13.544 ng

RT: 14.90 min Scan# 2179

Delta R.T. -0.02 min

Lab File: BF102655.D

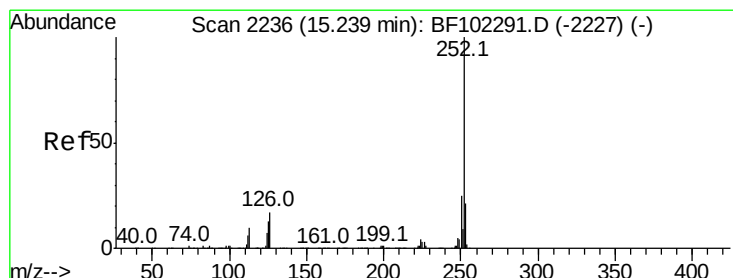
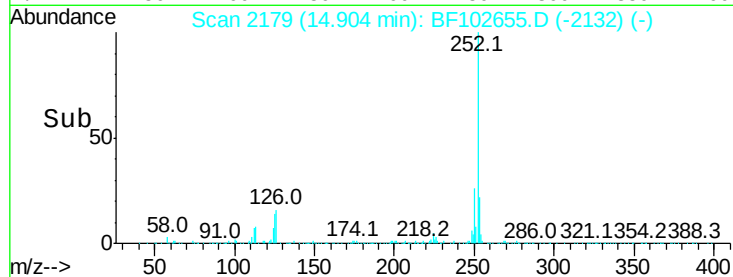
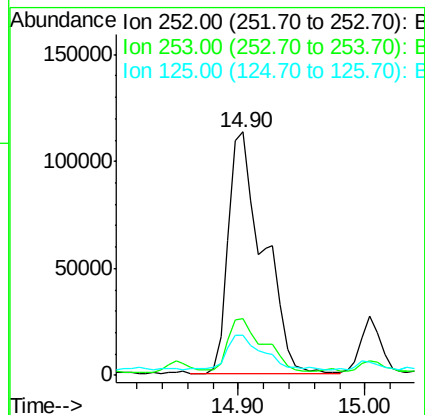
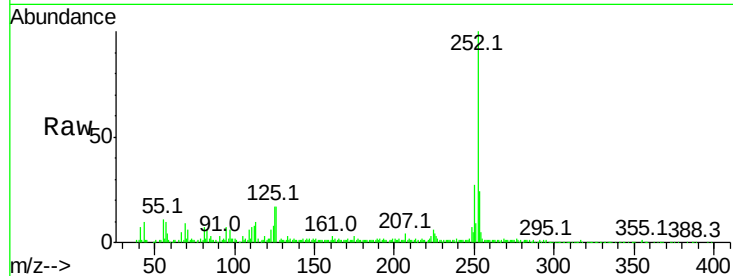
Acq: 30 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	216590
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	16.5	10.2	15.2#



#89

Benzo(a)pyrene

Concen: 7.716 ng

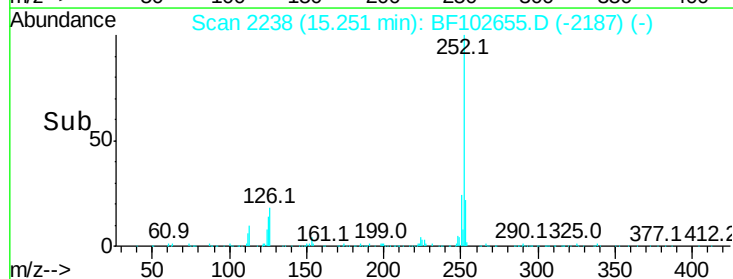
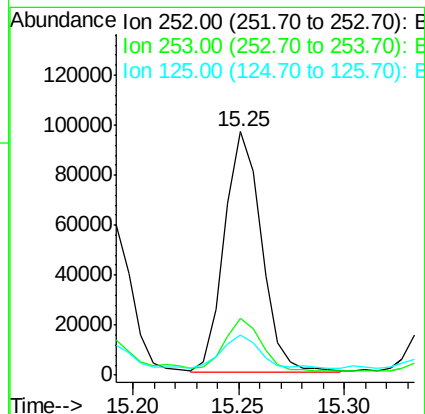
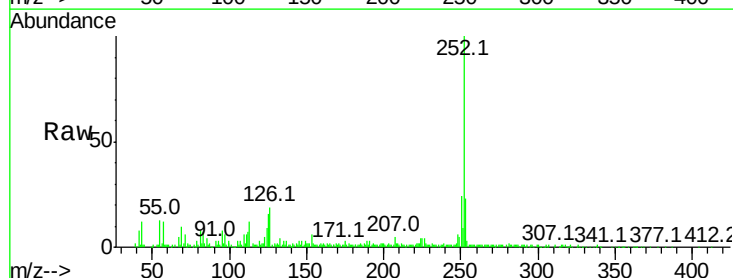
RT: 15.25 min Scan# 2238

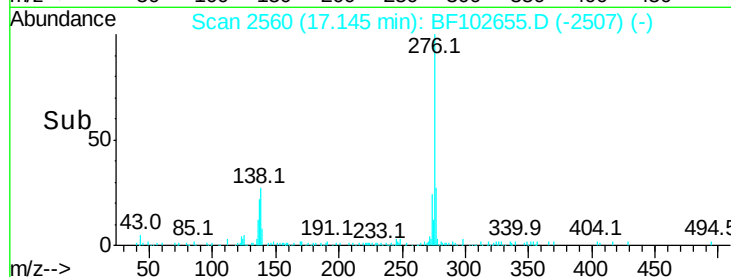
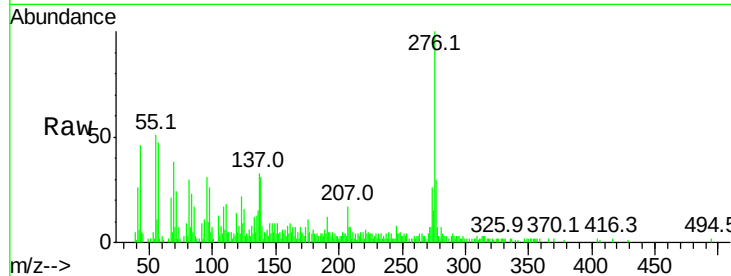
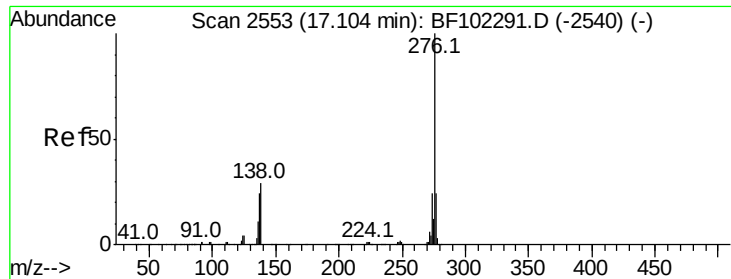
Delta R.T. 0.00 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Tgt Ion:	252	Resp:	117785
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	16.4	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.800 ng

RT: 17.14 min Scan# 2560

Delta R.T. 0.01 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 46403

Ion Ratio Lower Upper

276 100

277 29.9 17.9 26.9#

138 30.9 21.8 32.8

