

Data Path : U:\HPCHEM1\BNA F\DATA\BF012418\
 Data File : BF102413.D
 Acq On : 25 Jan 2018 1:55
 Operator : SJ/JU
 Sample : J1235-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

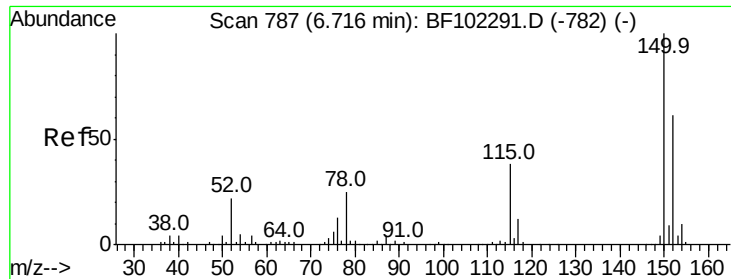
Quant Time: Jan 25 02:56:28 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	122690	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	502702	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	225043	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	363685	20.00	ng	0.00
75) Chrysene-d12	13.87	240	221446	20.00	ng	0.00
86) Perylene-d12	15.30	264	226226	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	910512	112.53	ng	0.00
7) Phenol-d6	6.36	99	1101125	112.88	ng	0.00
23) Nitrobenzene-d5	7.29	82	664800	76.00	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	212023	95.08	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1024642	66.95	ng	0.00
78) Terphenyl-d14	12.82	244	768512	78.24	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.49	77	20171	2.973	ng	84
10) Phenol	6.37	94	45582	4.280	ng	84
18) Hexachloroethane	7.25	117	43902	12.467	ng	# 1
25) Isophorone	7.29	82	649443	41.644	ng	# 64
49) Dimethylphthalate	9.47	163	151132	8.125	ng	98
56) 2,4-Dinitrotoluene	9.75	165	29146	5.910	ng	# 24
66) 4-Bromophenyl-phenylether	10.54	248	14182	3.622	ng	# 1
70) Phenanthrene	11.26	178	190977	9.011	ng	99
74) Fluoranthene	12.46	202	274296	12.692	ng	97
77) Pyrene	12.67	202	223873	13.076	ng	100
80) Benzo(a)anthracene	13.86	228	92316	6.771	ng	95
82) Chrysene	13.90	228	106766	7.712	ng	98
85) Indeno(1,2,3-cd)pyrene	16.68	276	108925	9.526	ng	96
87) Benzo(b)fluoranthene	14.89	252	222049	15.144	ng	98
88) Benzo(k)fluoranthene	14.89	252	222049	16.029	ng	99
89) Benzo(a)pyrene	15.24	252	101334	7.663	ng	96
90) Dibenzo(a,h)anthracene	16.69	278	26634	2.486	ng	# 74
91) Benzo(g,h,i)perylene	17.10	276	120359	11.379	ng	98

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

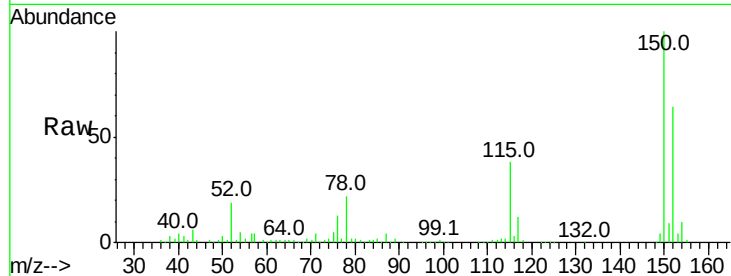


#1

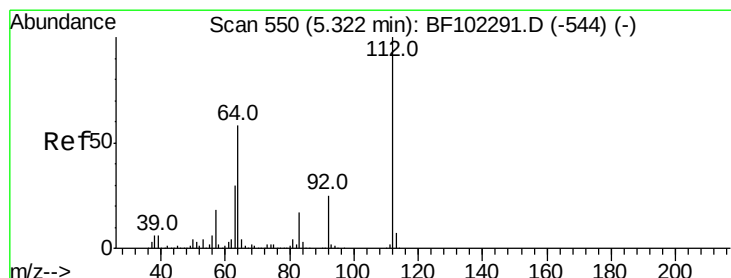
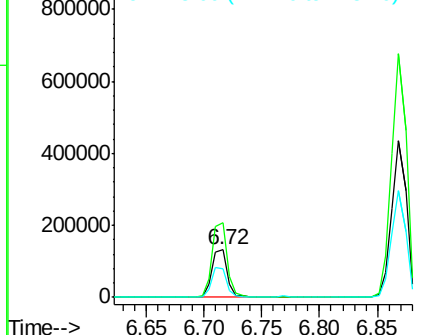
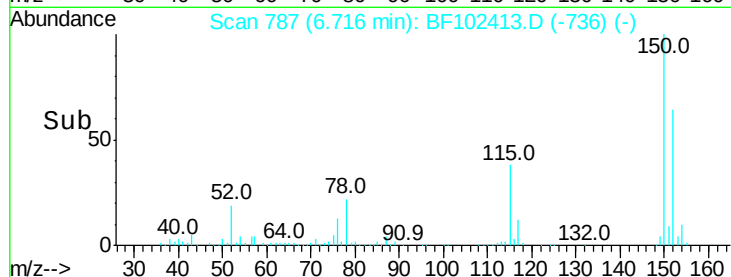
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102413.D
Acq: 25 Jan 2018 1:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122690
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 59.0 50.1 75.1



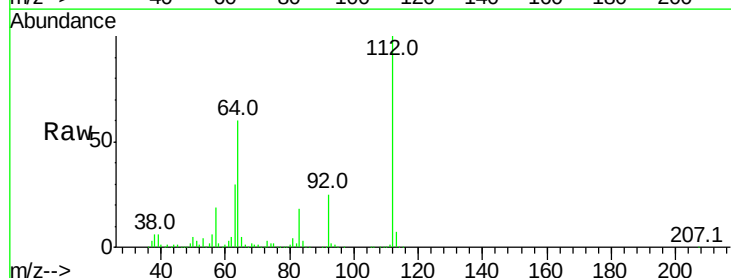
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



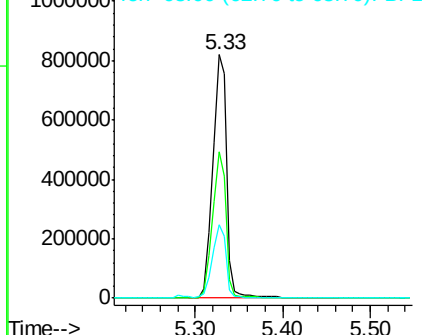
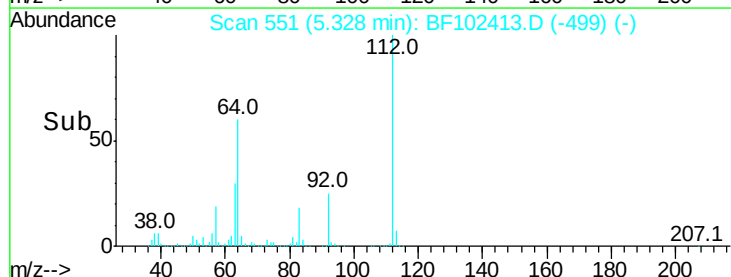
#5

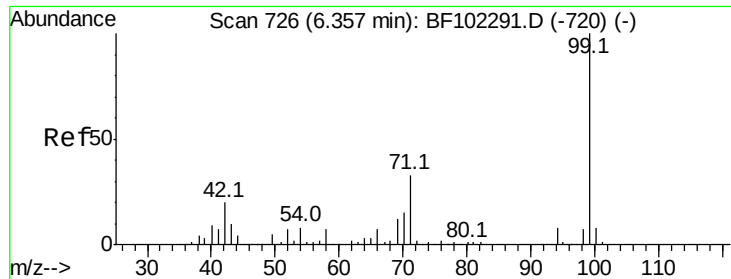
2-Fluorophenol
Concen: 112.525 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102413.D
Acq: 25 Jan 2018 1:55

Tgt Ion:112 Resp: 910512
Ion Ratio Lower Upper
112 100
64 60.4 47.9 71.9
63 30.4 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: 112.876 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102413.D

Acq: 25 Jan 2018 1:55

Instrument :

BNA_F

ClientSampleId :

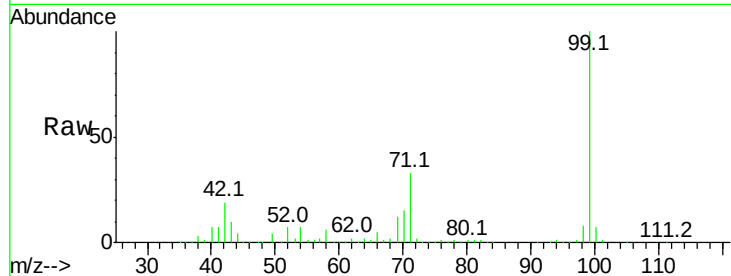
Tot Ion: 99 Resp: 1101125

Ion Ratio Lower Upper

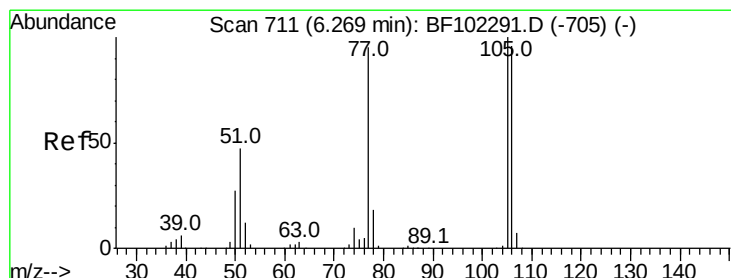
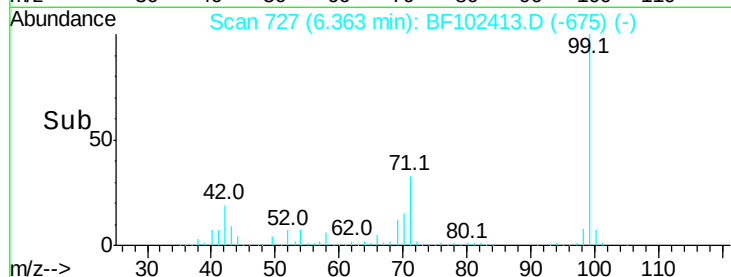
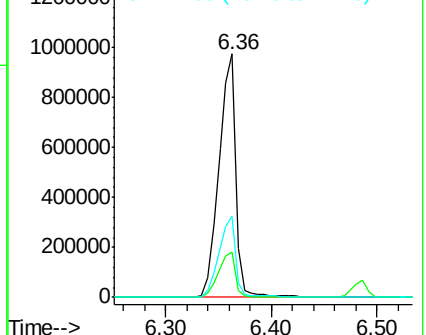
99 100

42 18.7 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



#9

Benzaldehyde

Concen: 2.973 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102413.D

Acq: 25 Jan 2018 1:55

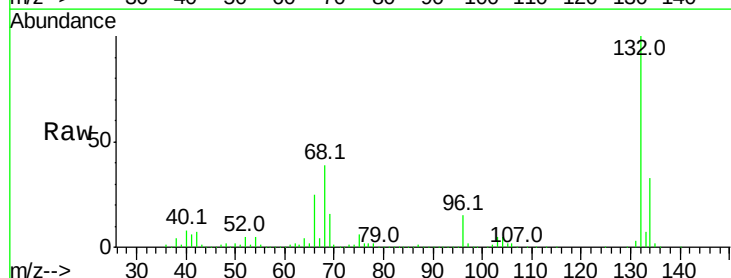
Tgt Ion: 77 Resp: 20171

Ion Ratio Lower Upper

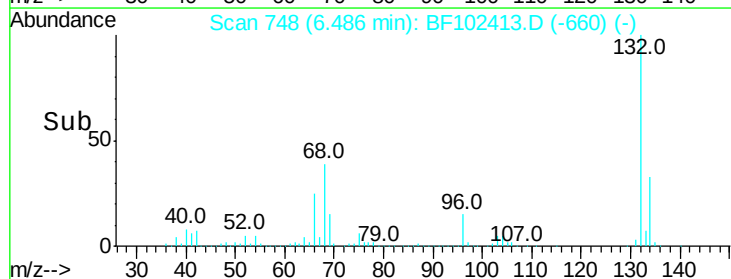
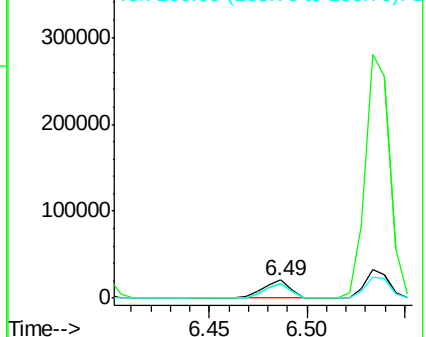
77 100

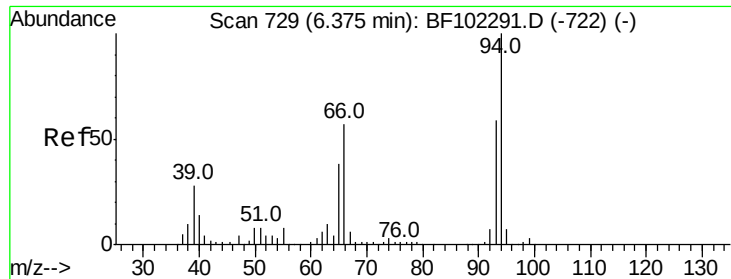
105 82.7 81.1 121.1

106 81.1 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

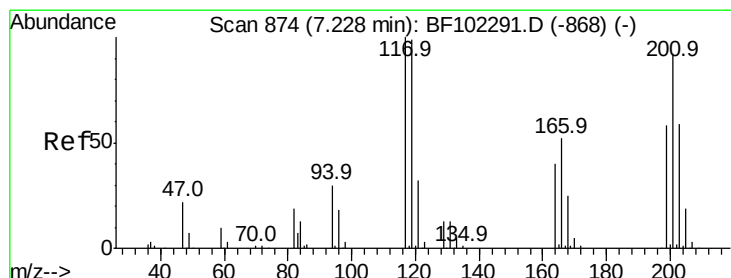
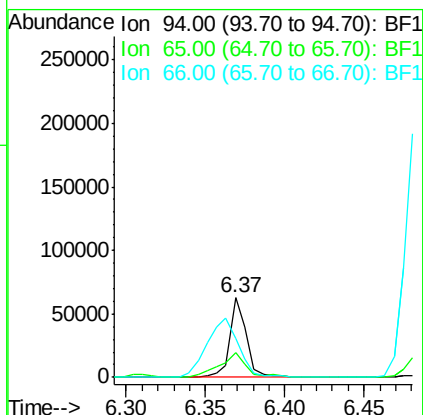
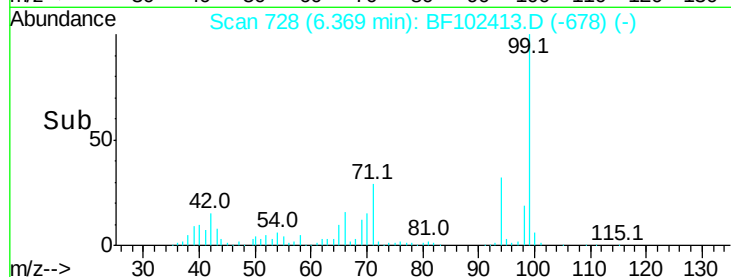
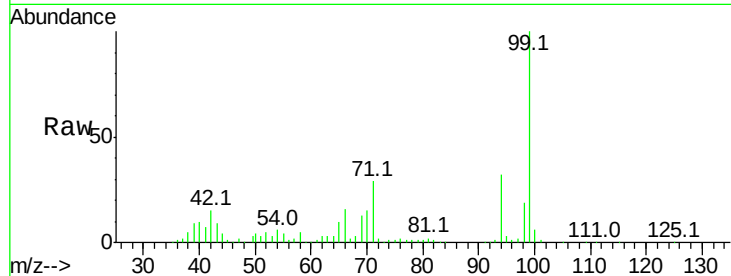




#10
Phenol
Concen: 4.280 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF102413.D
Acq: 25 Jan 2018 1:55

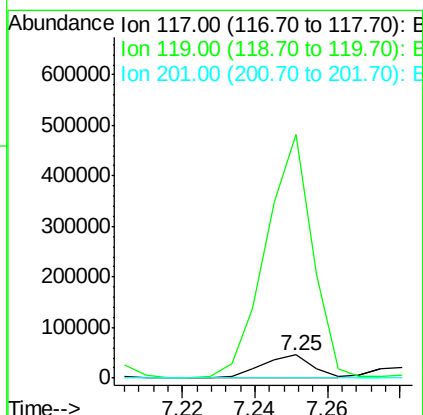
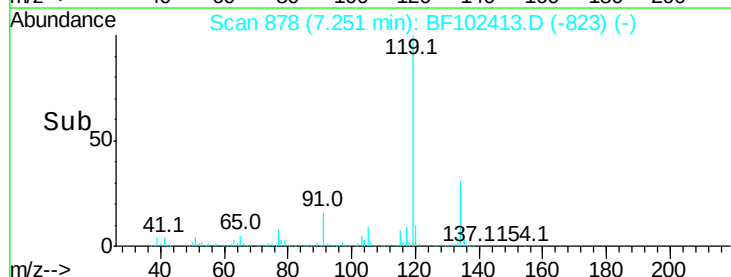
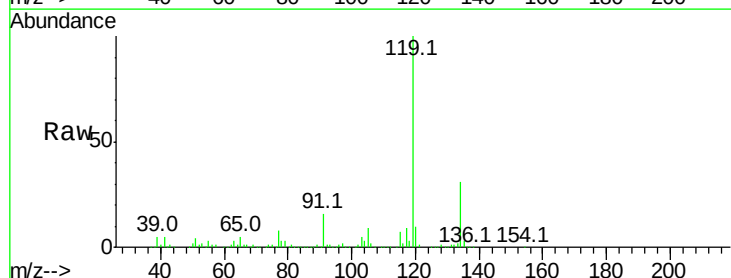
Instrument :
BNA_F
ClientSampled :

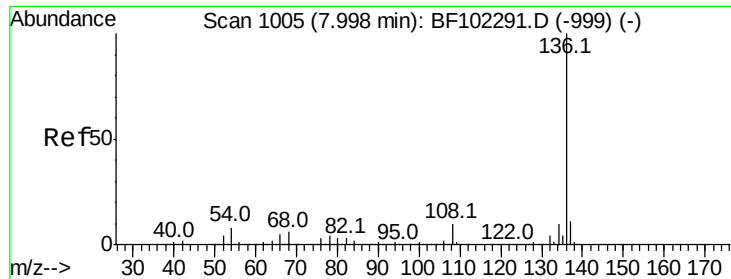
Tot Ion: 94 Resp: 45582
Ion Ratio Lower Upper
94 100
65 31.9 7.9 47.9
66 49.3 16.2 56.2



#18
Hexachloroethane
Concen: 12.467 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.02 min
Lab File: BF102413.D
Acq: 25 Jan 2018 1:55

Tgt Ion: 117 Resp: 43902
Ion Ratio Lower Upper
117 100
119 1061.4 75.8 113.8#
201 0.0 75.7 113.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102413.D

Acq: 25 Jan 2018 1:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 502702

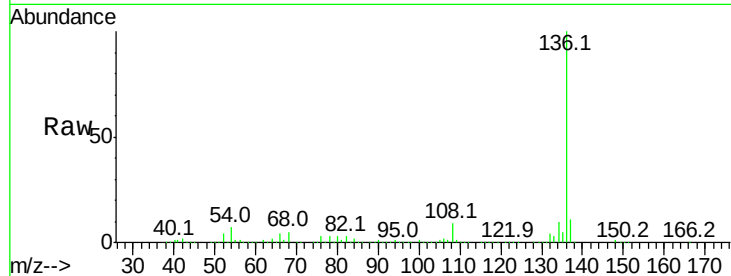
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.3 6.6 9.8

68 4.8 5.0 7.4#

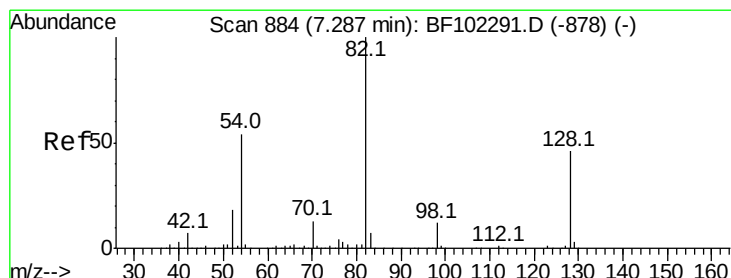
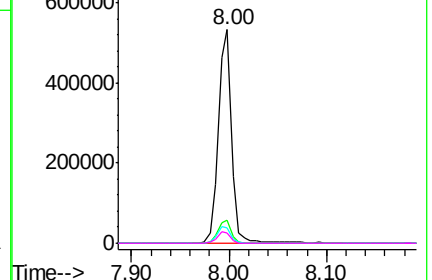
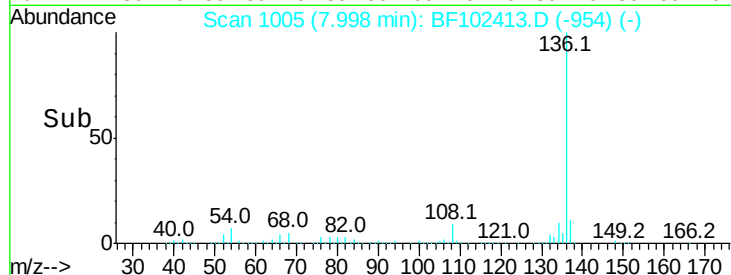


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.997 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF102413.D

Acq: 25 Jan 2018 1:55

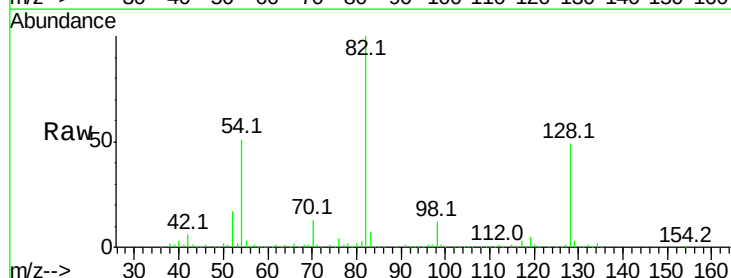
Tgt Ion: 82 Resp: 664800

Ion Ratio Lower Upper

82 100

128 49.0 36.1 54.1

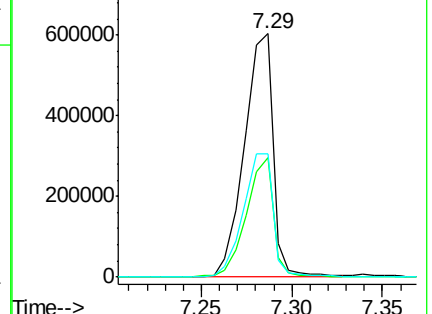
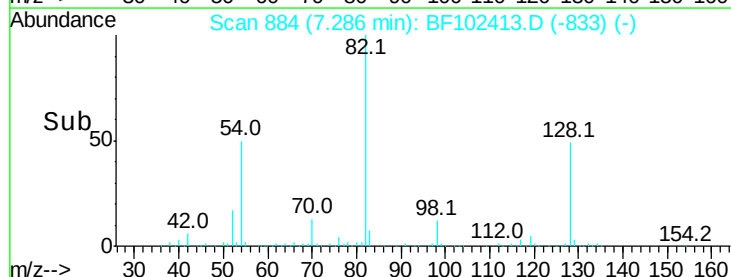
54 50.5 41.4 62.2

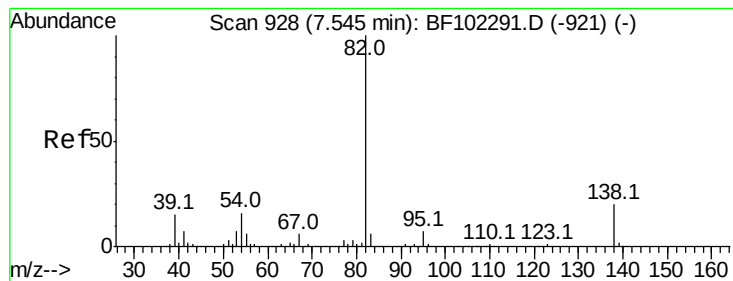


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.644 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102413.D

Acq: 25 Jan 2018 1:55

Instrument :

BNA_F

ClientSampleId :

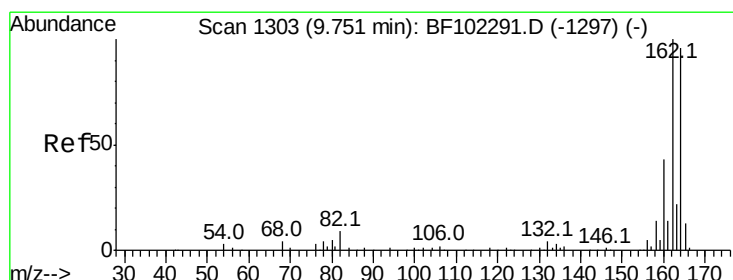
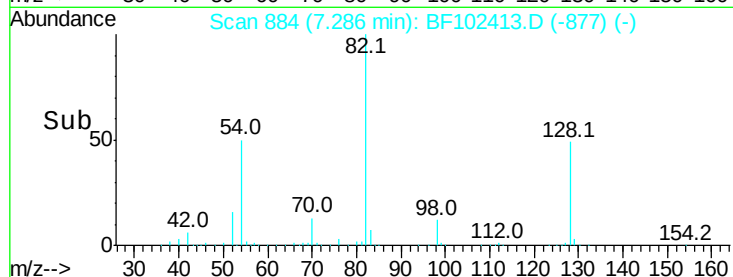
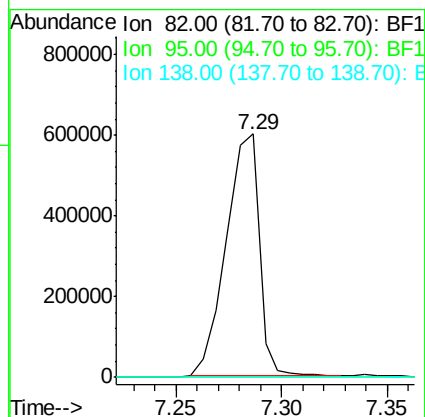
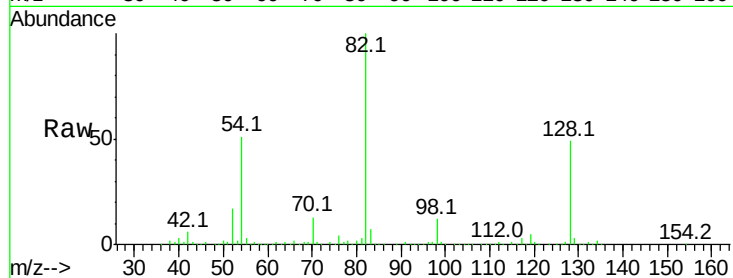
Tot Ion: 82 Resp: 649443

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102413.D

Acq: 25 Jan 2018 1:55

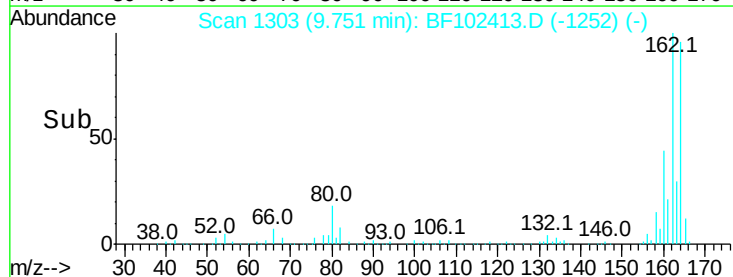
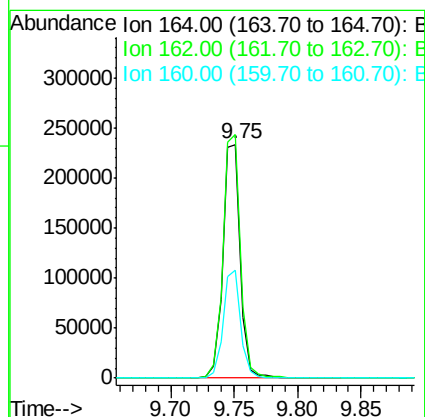
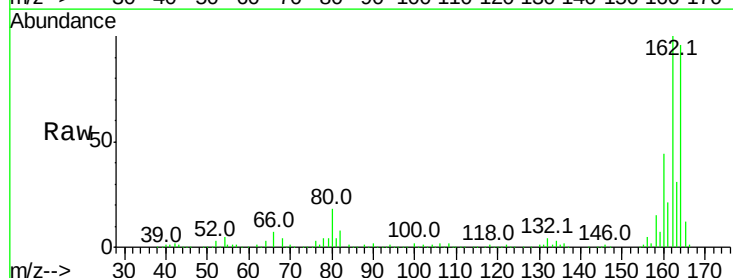
Tgt Ion: 164 Resp: 225043

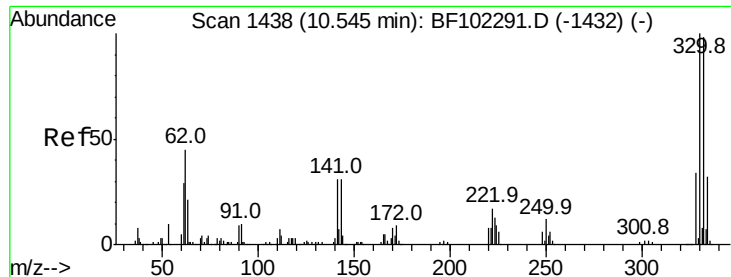
Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

160 46.2 38.3 57.5

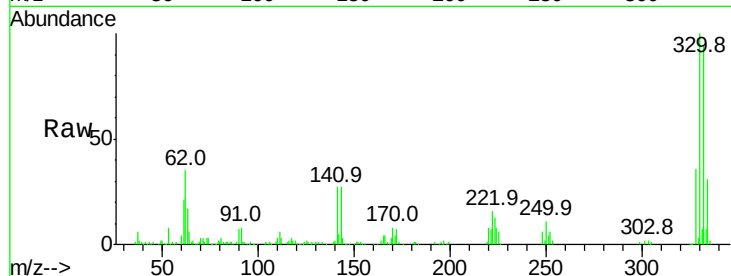




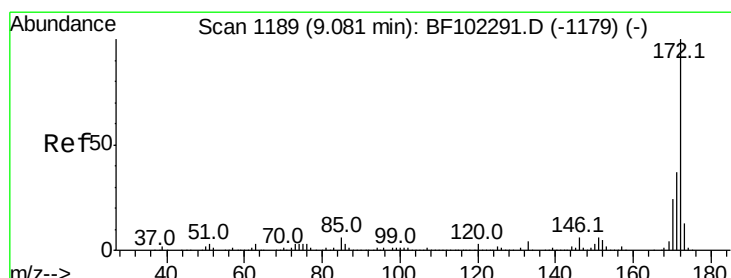
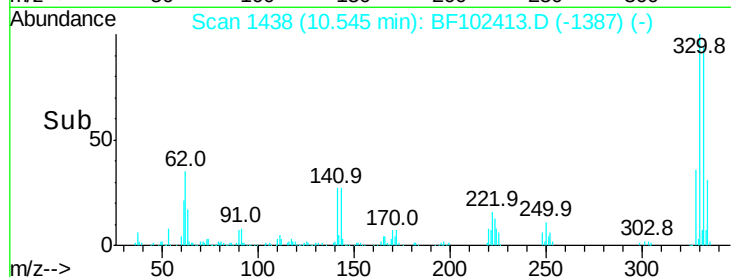
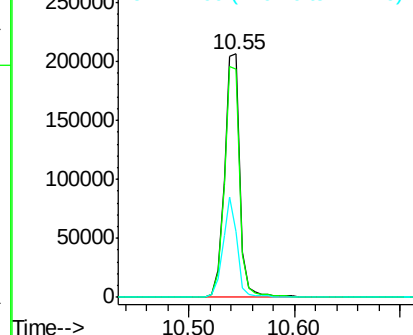
#41
 2,4,6-Tribromophenol
 Concen: 95.084 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102413.D
 Acq: 25 Jan 2018 1:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	38.1	29.9	44.9

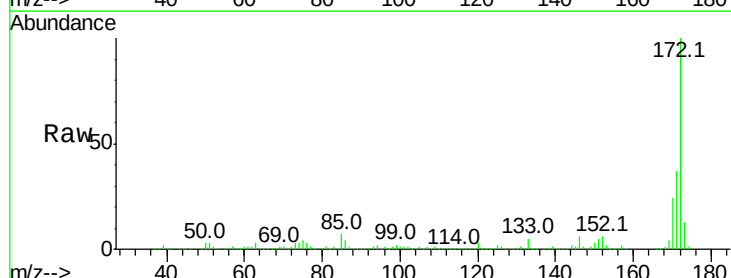


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

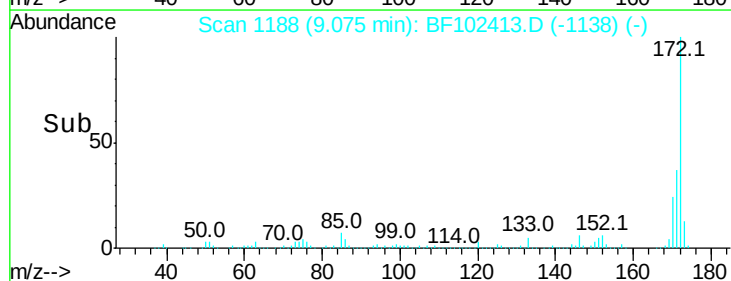
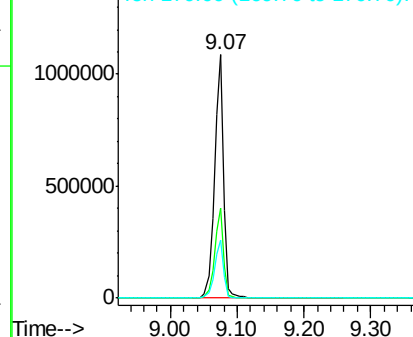


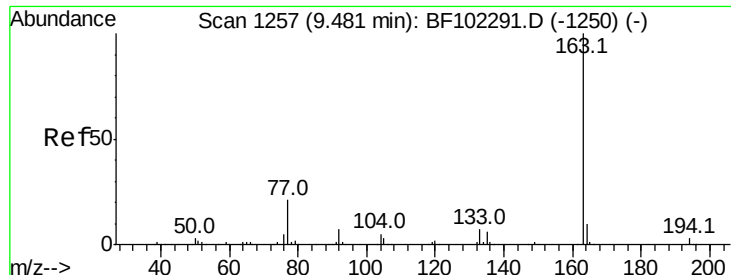
#44
 2-Fluorobiphenyl
 Concen: 66.947 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102413.D
 Acq: 25 Jan 2018 1:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	23.8	19.6	29.4



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

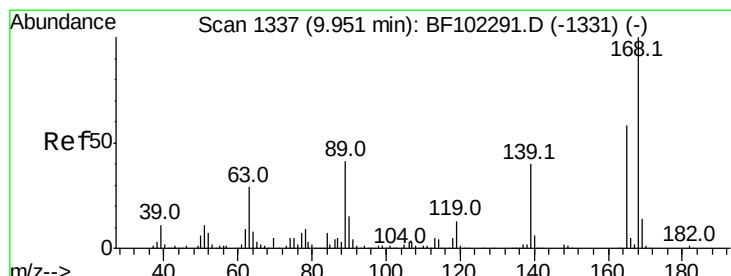
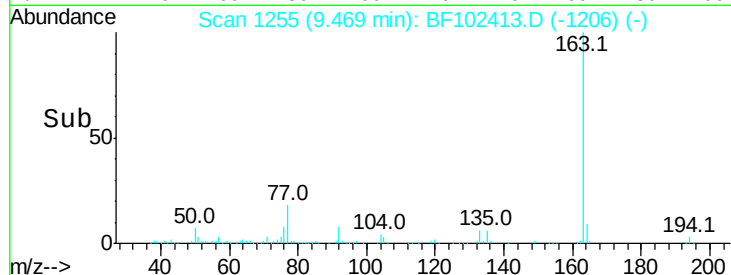
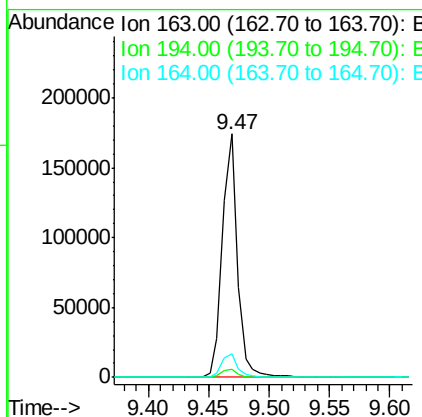
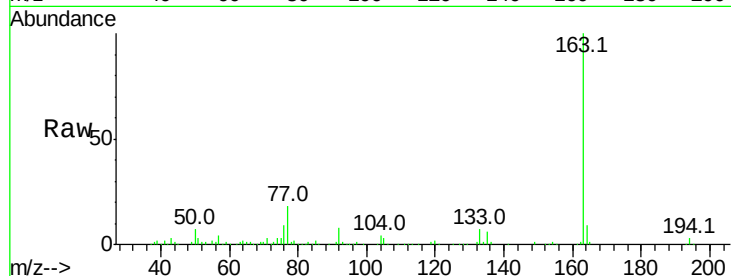




#49
 Dimethylphthalate
 Concen: 8.125 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF102413.D
 Acq: 25 Jan 2018 1:55

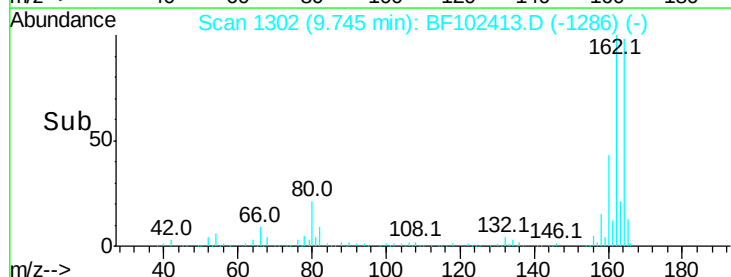
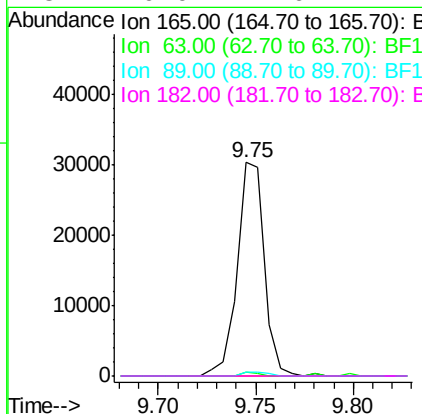
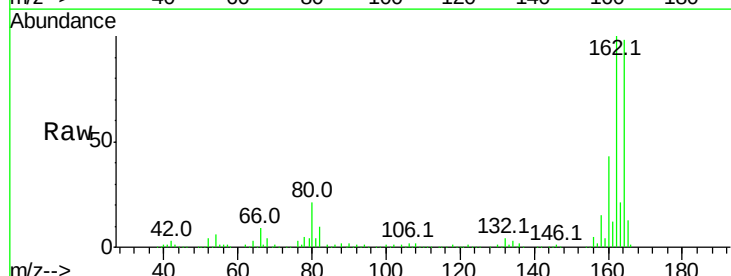
Instrument :
 BNA_F
 ClientSampleId :

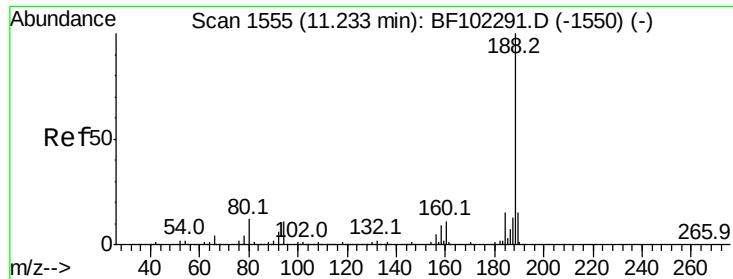
Tot Ion:	163	Resp:	151132
Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.5	8.2	12.2



#56
 2,4-Dinitrotoluene
 Concen: 5.910 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102413.D
 Acq: 25 Jan 2018 1:55

Tgt Ion:	165	Resp:	29146
Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

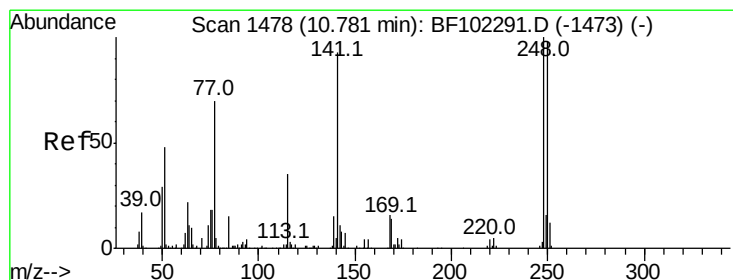
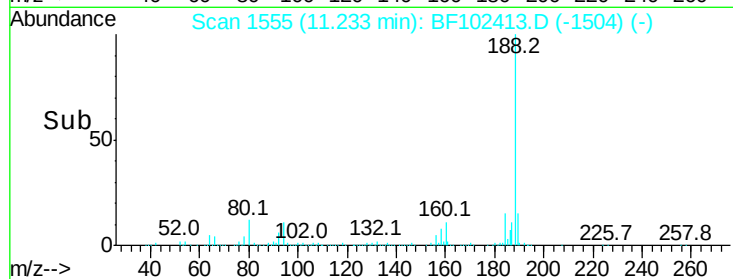
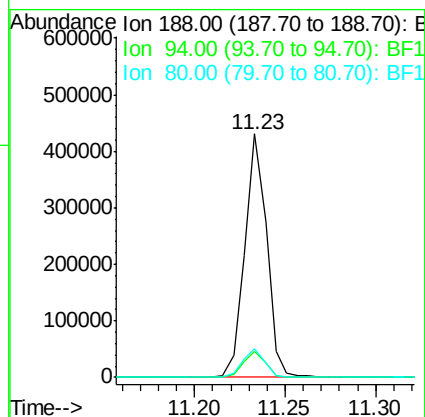
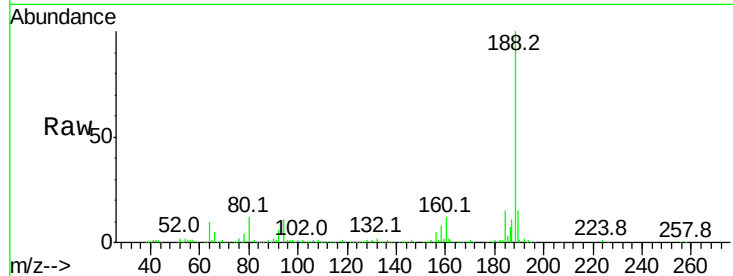




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102413.D
Acq: 25 Jan 2018 1:55

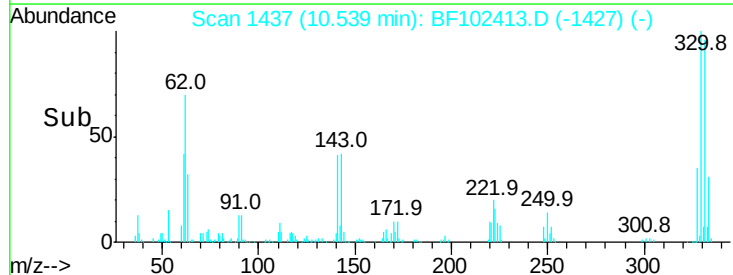
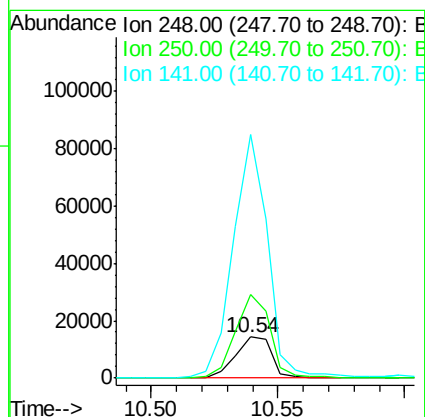
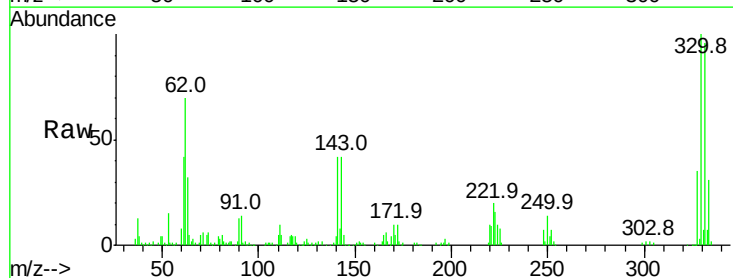
Instrument :
BNA_F
ClientSampleId :

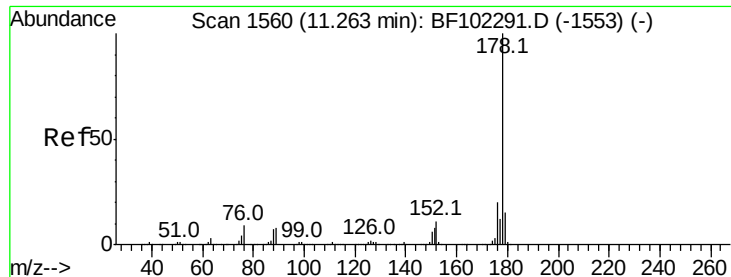
Tot Ion:188 Resp: 363685
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.6 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.622 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102413.D
Acq: 25 Jan 2018 1:55

Tgt Ion:248 Resp: 14182
Ion Ratio Lower Upper
248 100
250 205.3 76.9 115.3#
141 597.1 74.4 111.6#





#70

Phenanthrene

Concen: 9.011 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102413.D

Acq: 25 Jan 2018 1:55

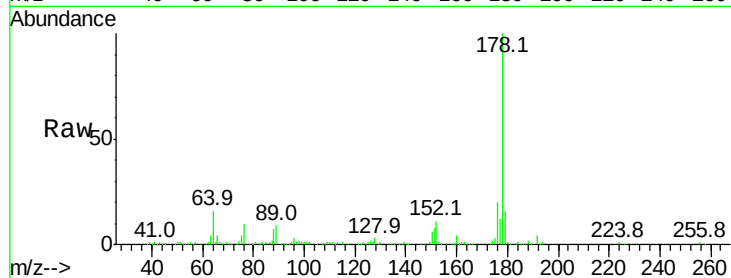
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 190977

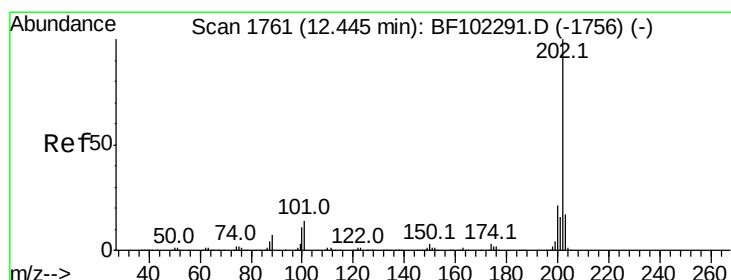
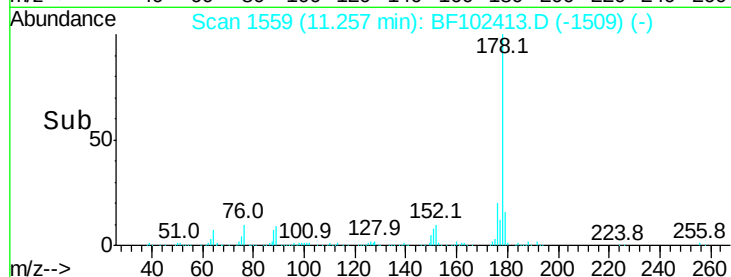
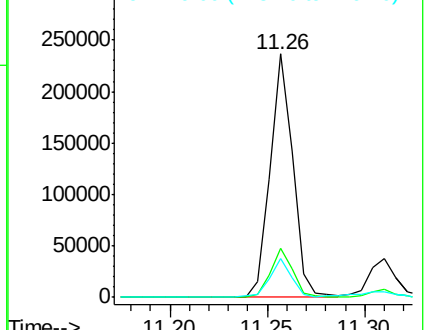
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	16.0	13.0	19.6



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: 12.692 ng

RT: 12.46 min Scan# 1763

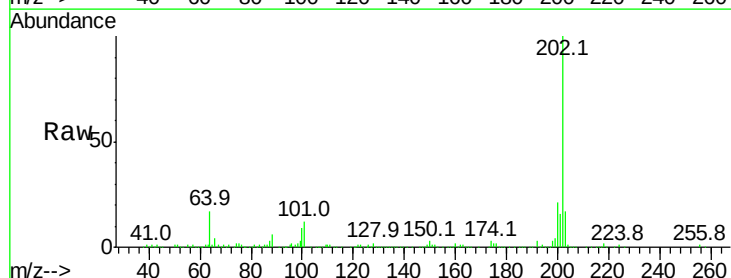
Delta R.T. 0.01 min

Lab File: BF102413.D

Acq: 25 Jan 2018 1:55

Tgt Ion:202 Resp: 274296

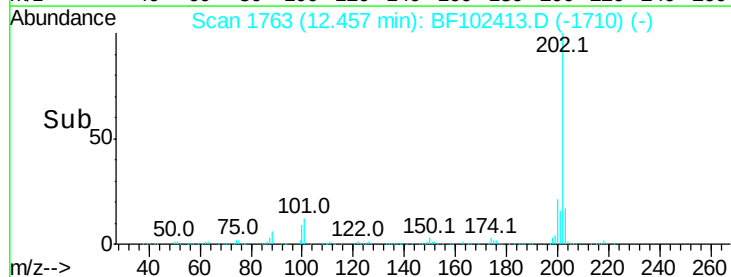
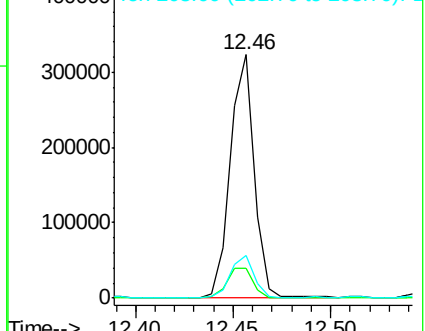
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.1
203	17.5	0.0	38.1

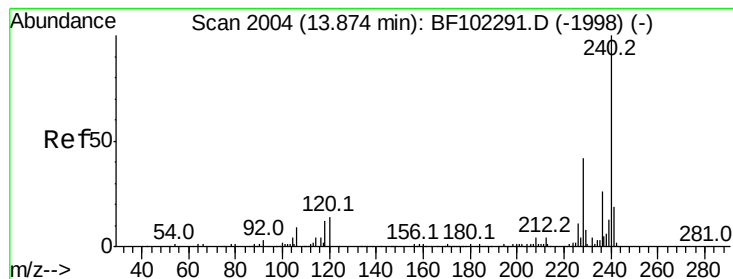


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF102413.D

Acq: 25 Jan 2018 1:55

Instrument :

BNA_F

ClientSampleId :

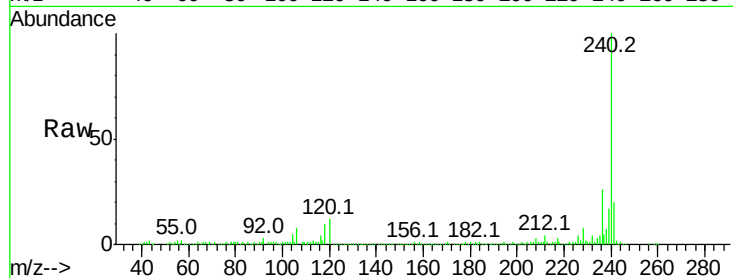
Tot Ion:240 Resp: 221446

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

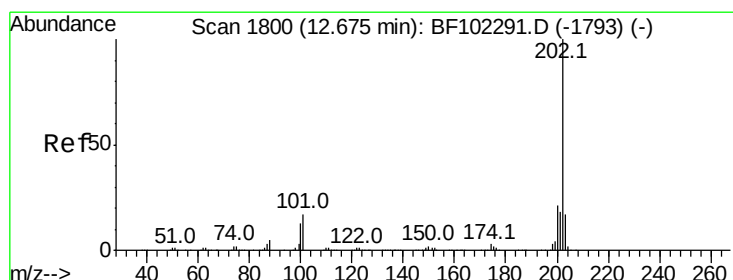
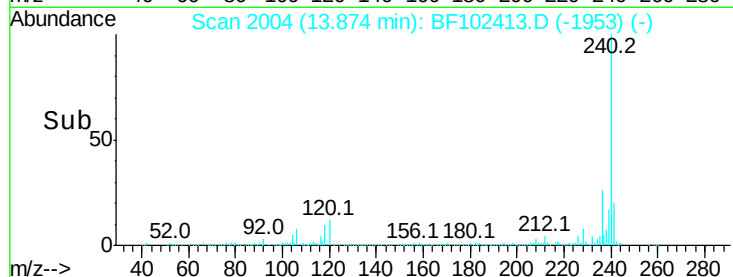
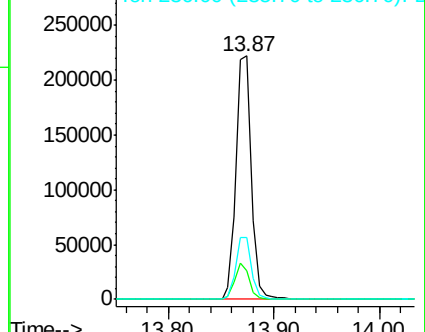
236 25.6 20.7 31.1



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: 13.076 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BF102413.D

Acq: 25 Jan 2018 1:55

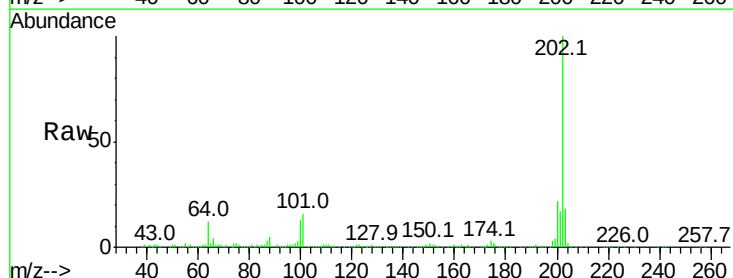
Tgt Ion:202 Resp: 223873

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

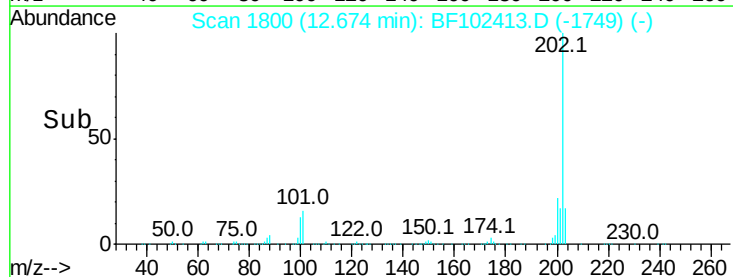
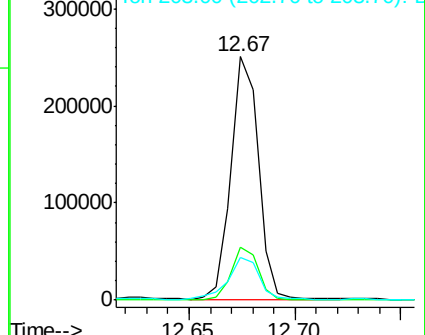
203 17.6 14.3 21.5

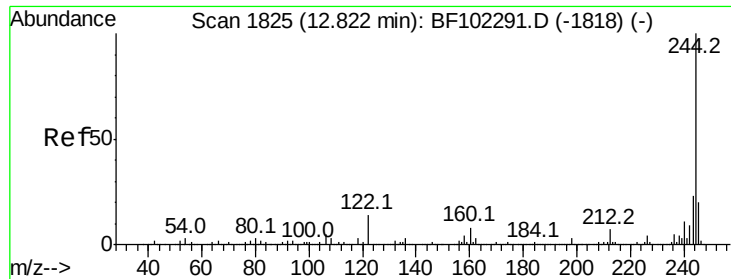


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.236 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102413.D

Acq: 25 Jan 2018 1:55

Instrument :

BNA_F

ClientSampleId :

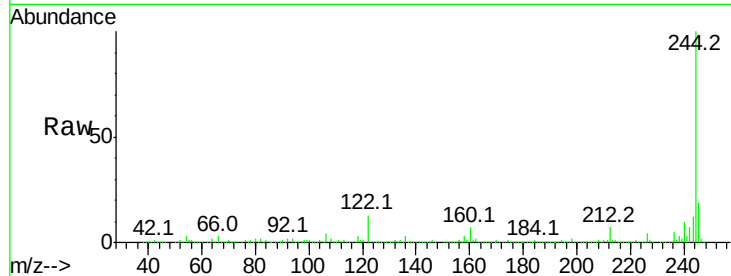
Tot Ion:244 Resp: 768512

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

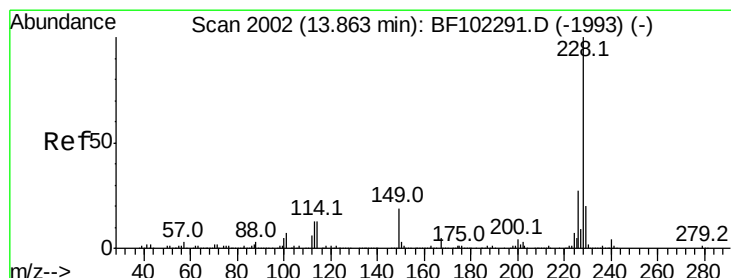
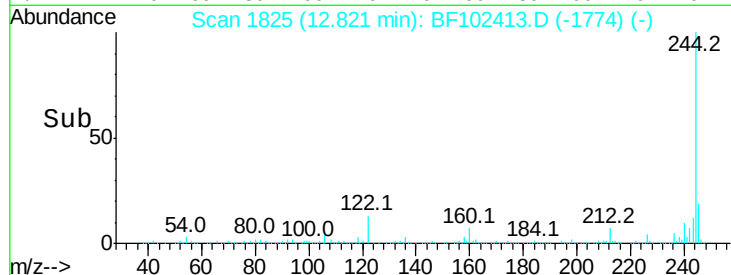
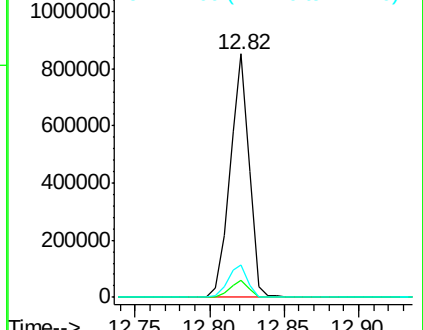
122 13.4 11.0 16.4



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: 6.771 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BF102413.D

Acq: 25 Jan 2018 1:55

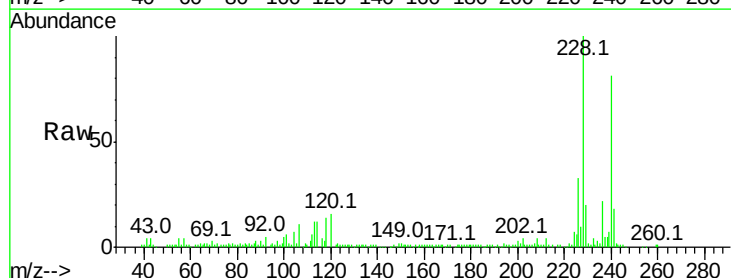
Tgt Ion:228 Resp: 92316

Ion Ratio Lower Upper

228 100

226 32.8 22.6 33.8

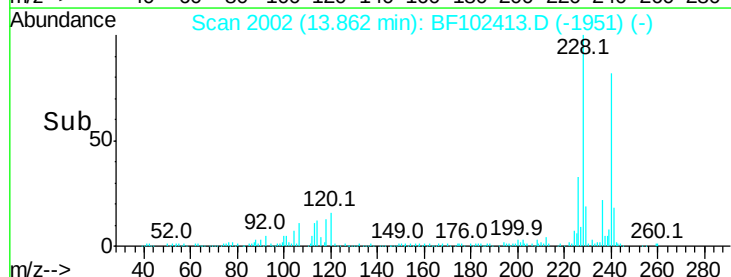
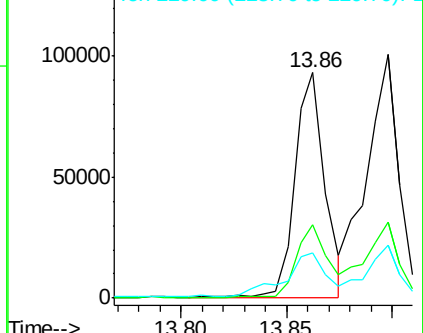
229 19.9 15.8 23.6

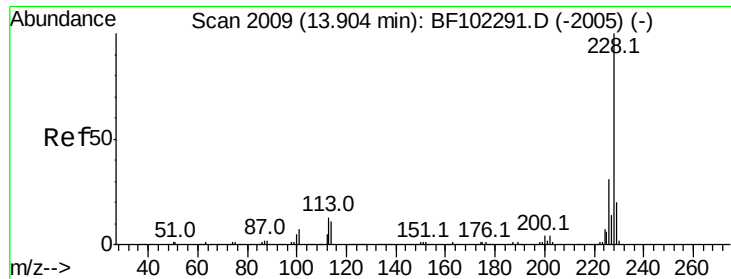


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.712 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102413.D

Acq: 25 Jan 2018 1:55

Instrument :

BNA_F

ClientSampleId :

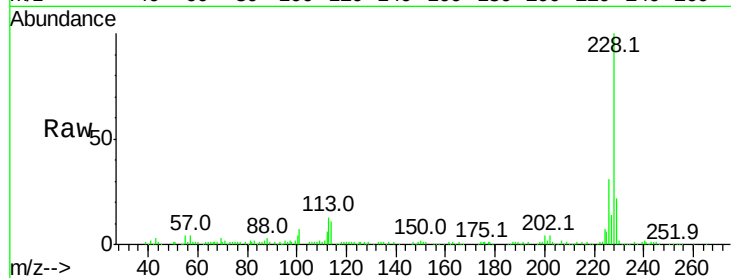
Tot Ion:228 Resp: 106766

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

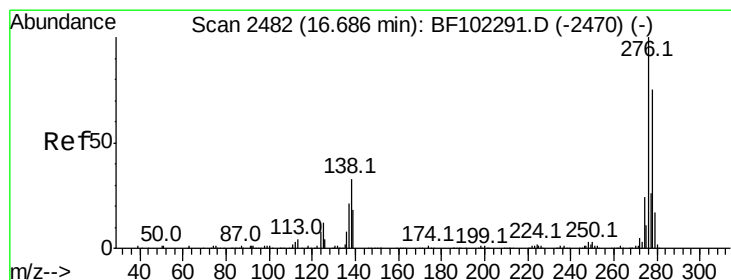
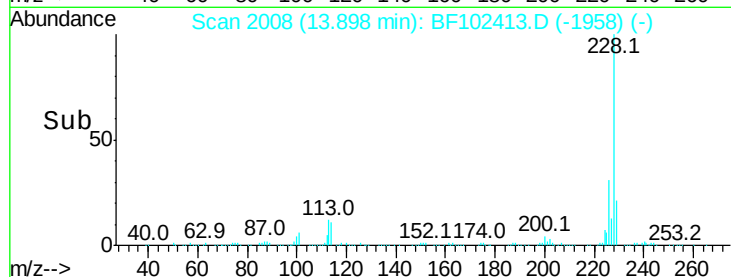
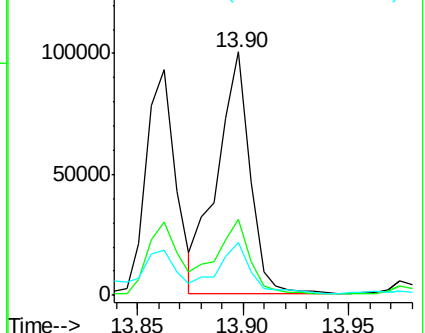
229 21.8 16.2 24.4



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: 9.526 ng

RT: 16.68 min Scan# 2481

Delta R.T. -0.01 min

Lab File: BF102413.D

Acq: 25 Jan 2018 1:55

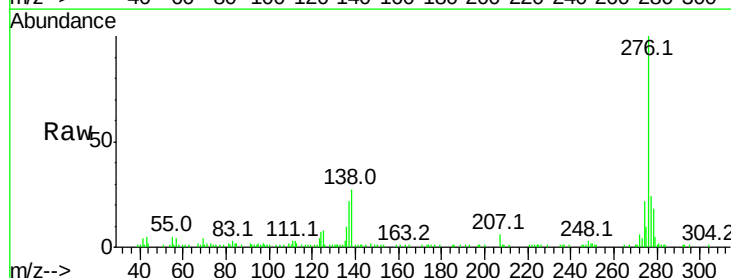
Tgt Ion:276 Resp: 108925

Ion Ratio Lower Upper

276 100

138 27.5 25.0 37.6

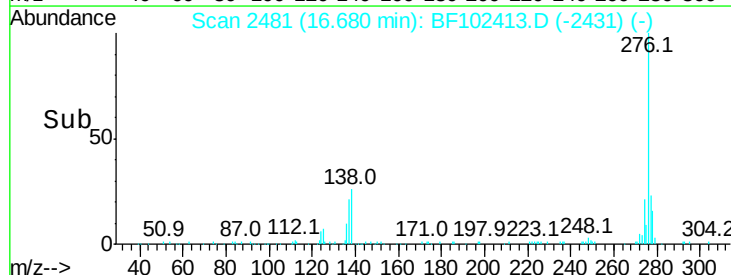
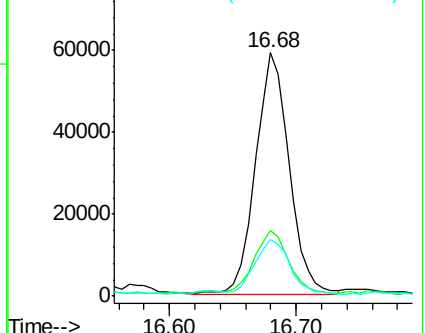
277 24.6 20.1 30.1

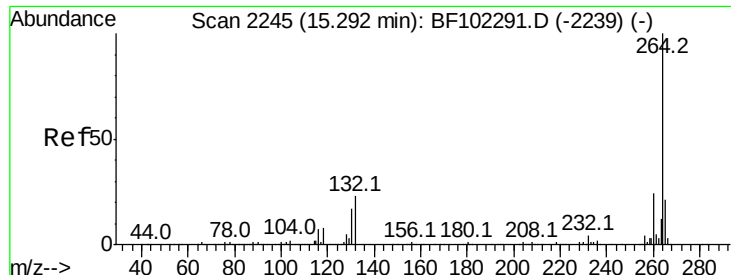


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

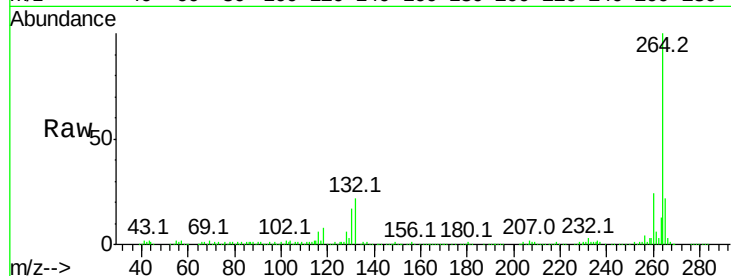




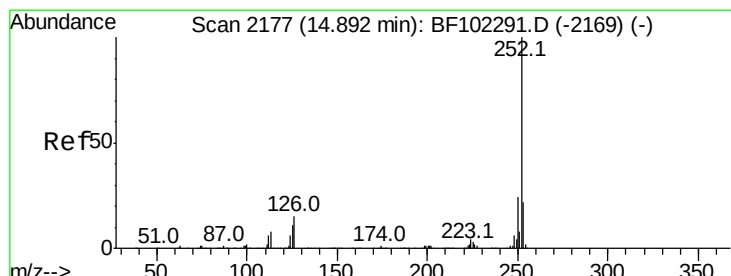
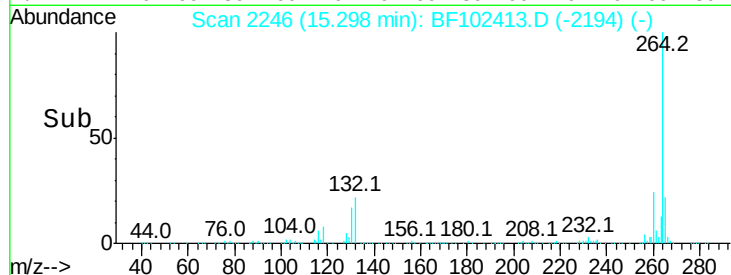
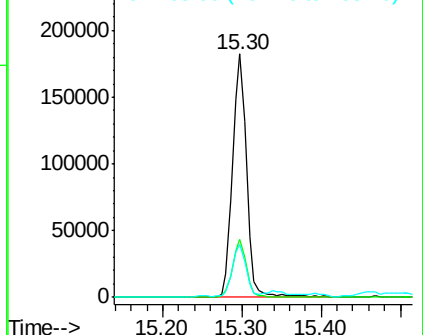
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102413.D
Acq: 25 Jan 2018 1:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.9	17.5	26.3

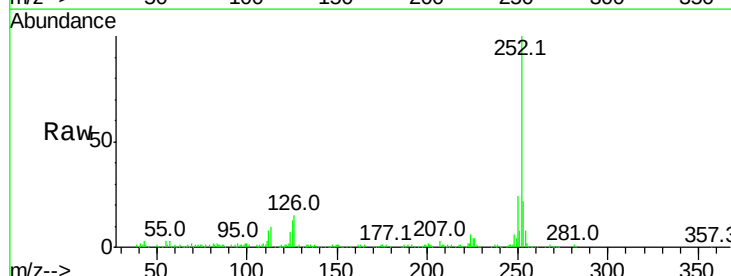


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

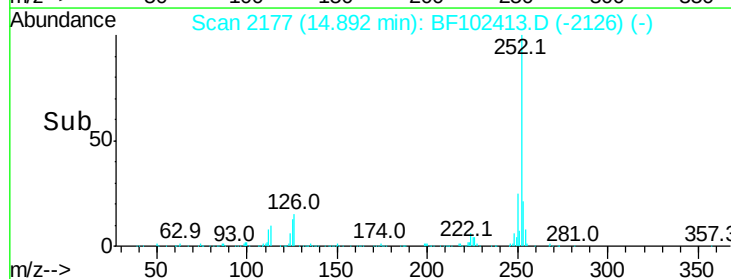
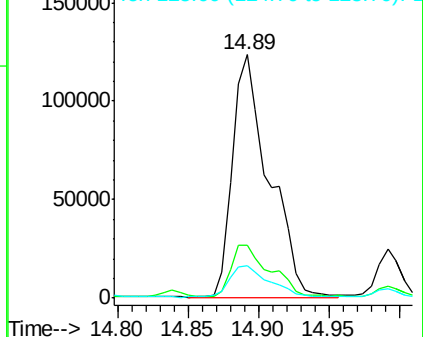


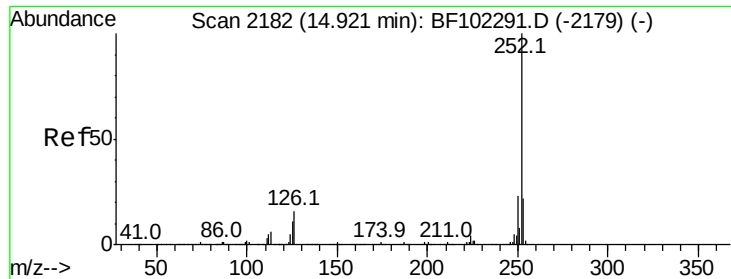
#87
Benzo(b)fluoranthene
Concen: 15.144 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BF102413.D
Acq: 25 Jan 2018 1:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	13.3	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

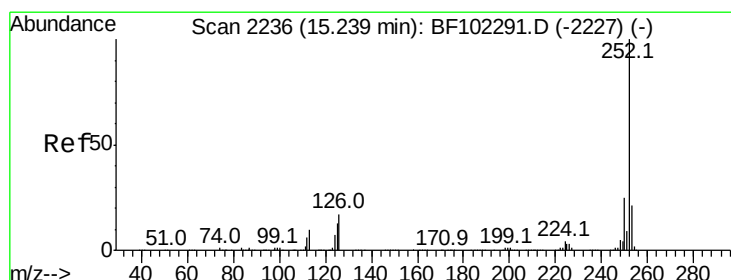
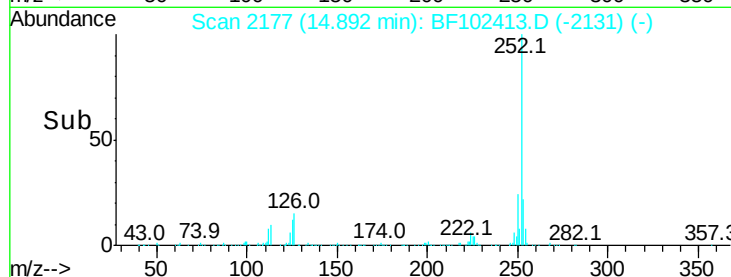
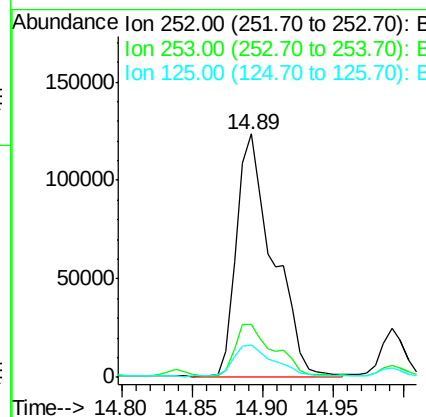
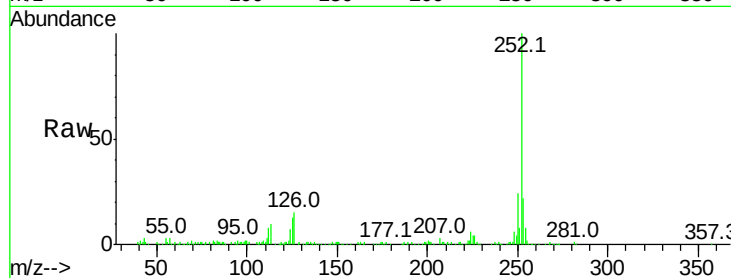




#88
Benzo(k)fluoranthene
Concen: 16.029 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.03 min
Lab File: BF102413.D
Acq: 25 Jan 2018 1:55

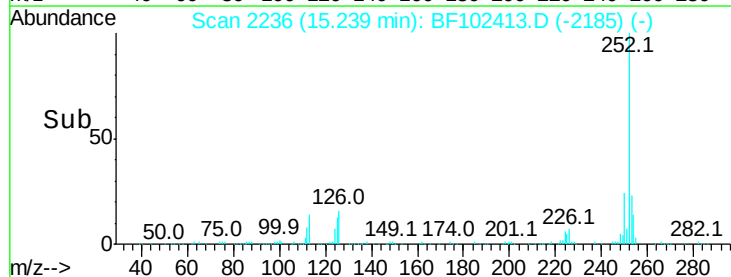
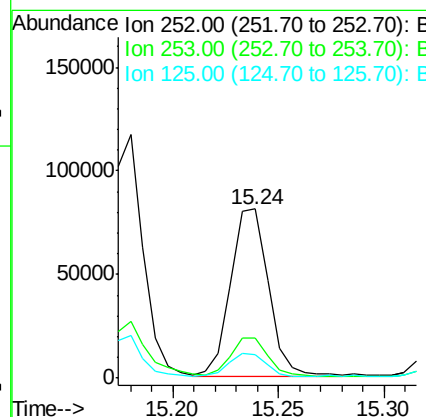
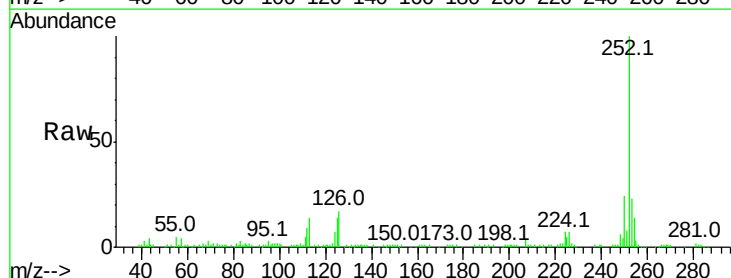
Instrument :
BNA_F
ClientSampleId :

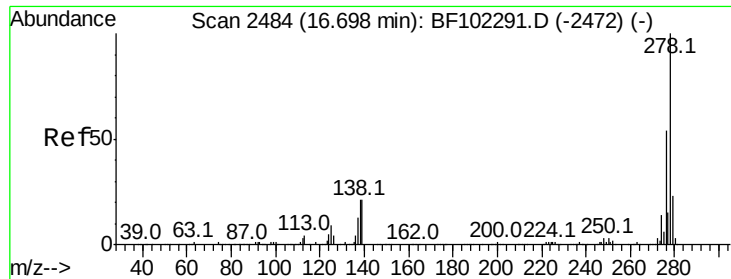
Tot Ion:252 Resp: 222049
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 13.3 10.2 15.2



#89
Benzo(a)pyrene
Concen: 7.663 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF102413.D
Acq: 25 Jan 2018 1:55

Tgt Ion:252 Resp: 101334
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 14.1 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.486 ng

RT: 16.69 min Scan# 2482

Delta R.T. -0.01 min

Lab File: BF102413.D

Acq: 25 Jan 2018 1:55

Instrument :

BNA_F

ClientSampleId :

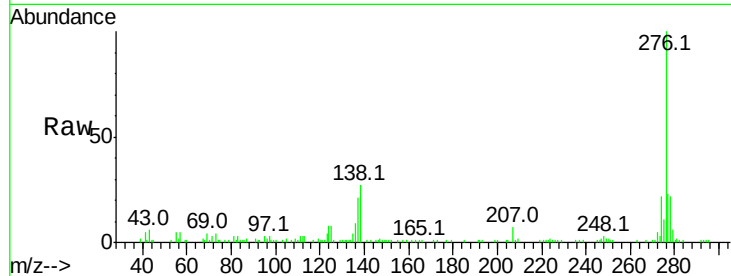
Tot Ion:278 Resp: 26634

Ion Ratio Lower Upper

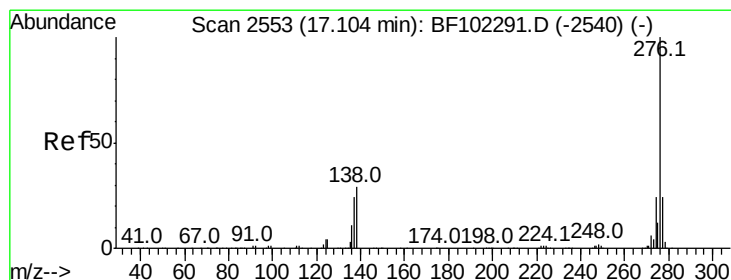
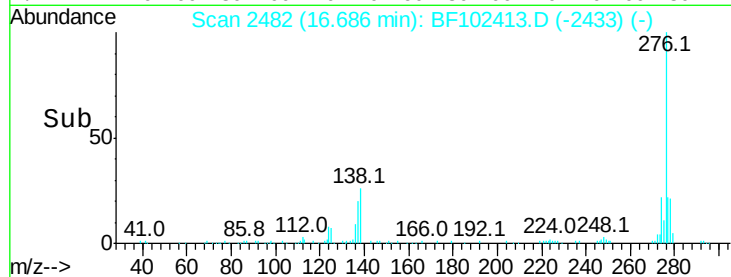
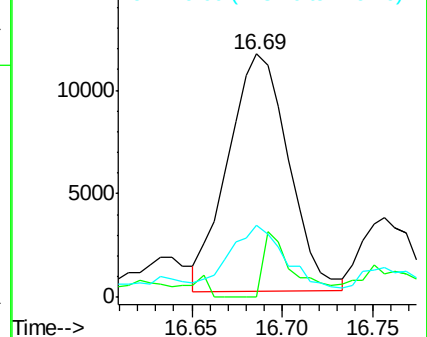
278 100

139 0.0 15.9 23.9#

279 29.6 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.379 ng

RT: 17.10 min Scan# 2553

Delta R.T. -0.00 min

Lab File: BF102413.D

Acq: 25 Jan 2018 1:55

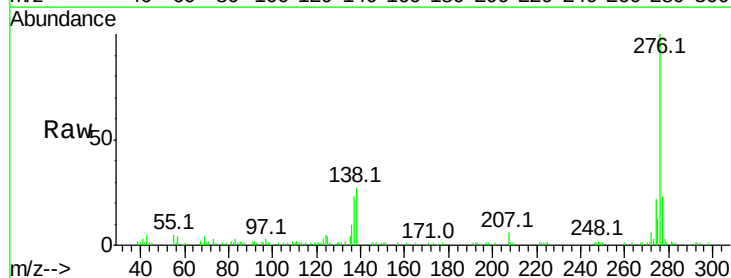
Tgt Ion:276 Resp: 120359

Ion Ratio Lower Upper

276 100

277 23.4 17.9 26.9

138 26.7 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

