

Data Path : U:\HPCHEM1\BNA F\DATA\BF011218\
 Data File : BF102046.D
 Acq On : 12 Jan 2018 16:45
 Operator : SJ/JU
 Sample : J1011-10 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 12 21:53:52 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	212952	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	686574	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	347942	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	515204	20.00	ng	0.00
75) Chrysene-d12	13.87	240	364510	20.00	ng	0.00
86) Perylene-d12	15.30	264	366623	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	728575	48.31	ng	0.00
7) Phenol-d6	6.36	99	877731	48.78	ng	0.00
23) Nitrobenzene-d5	7.29	82	535603	45.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	121696	40.08	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	800221	35.93	ng	0.00
78) Terphenyl-d14	12.83	244	492484	28.05	ng	0.00

Target Compounds

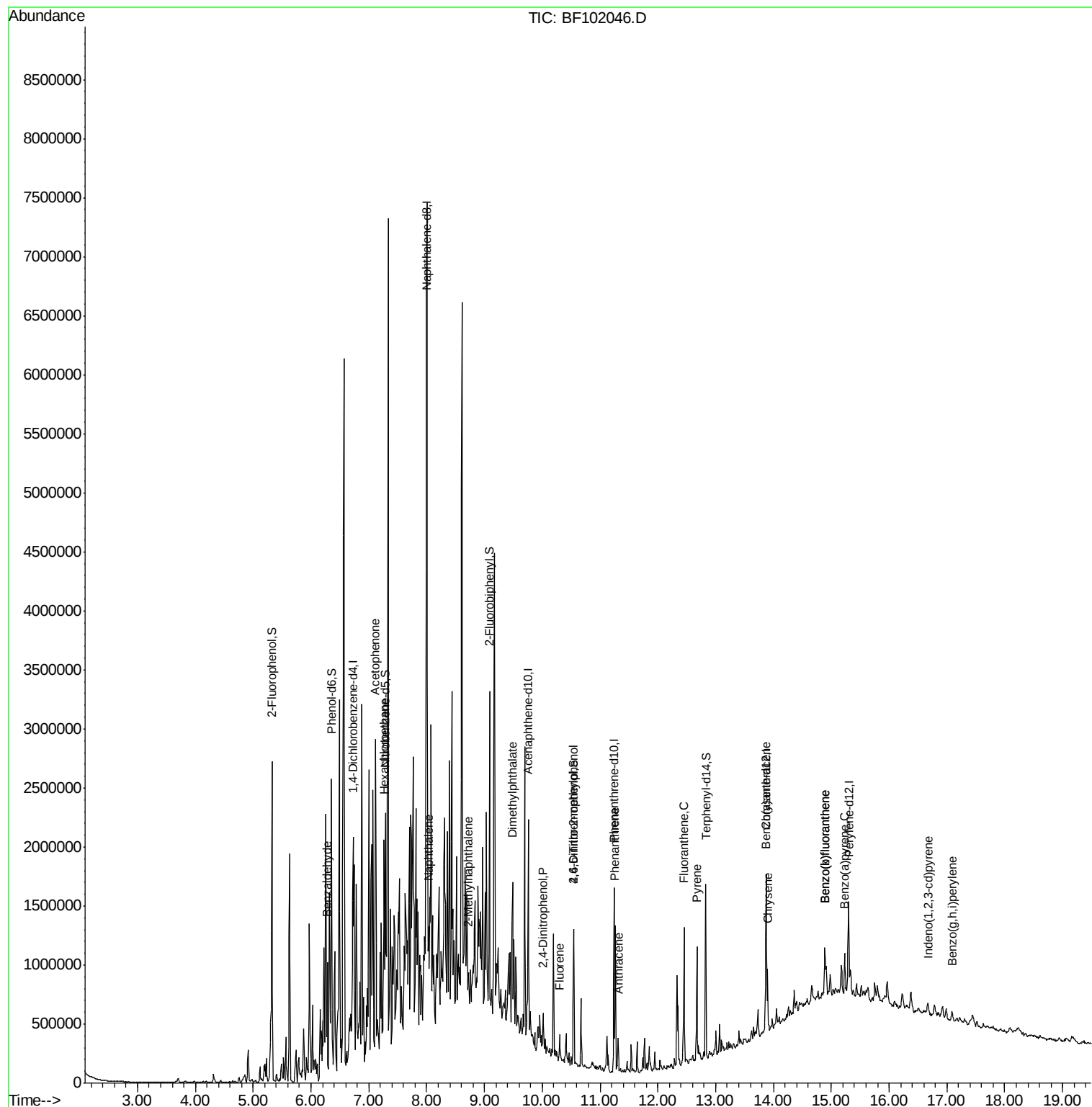
						Qvalue
9) Benzaldehyde	6.28	77	25365	2.030	ng	# 1
18) Hexachloroethane	7.26	117	63536	10.371	ng	# 1
22) Acetophenone	7.12	105	331684	20.050	ng	# 50
31) Naphthalene	8.03	128	73321	2.137	ng	# 88
37) 2-Methylnaphthalene	8.72	142	72011	3.188	ng	# 99
49) Dimethylphthalate	9.48	163	120121	4.304	ng	# 98
53) 2,4-Dinitrophenol	10.02	184	107	8.703	ng	# 24
57) Fluorene	10.30	166	44713	2.052	ng	# 92
64) 4,6-Dinitro-2-methylphenol	10.54	198	134	5.704	ng	# 1
70) Phenanthrene	11.26	178	399798	13.285	ng	# 99
71) Anthracene	11.32	178	107464	3.521	ng	# 98
74) Fluoranthene	12.45	202	446591	15.083	ng	# 98
77) Pyrene	12.67	202	383486	11.902	ng	# 99
80) Benzo(a)anthracene	13.86	228	211488	9.094	ng	# 98
82) Chrysene	13.90	228	184859	7.623	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.67	276	69579	3.942	ng	# 96
87) Benzo(b)fluoranthene	14.89	252	293077	12.260	ng	# 92
88) Benzo(k)fluoranthene	14.89	252	293077	12.709	ng	# 95
89) Benzo(a)pyrene	15.23	252	159613	7.420	ng	# 92
91) Benzo(a,h,i)perylene	17.09	276	63575	3.677	ng	# 87

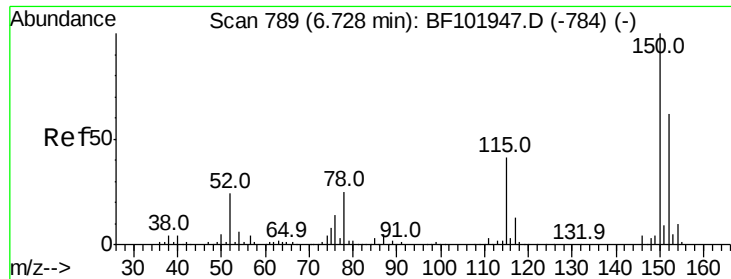
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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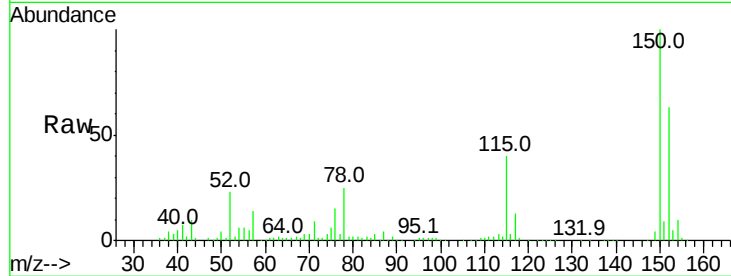


#1

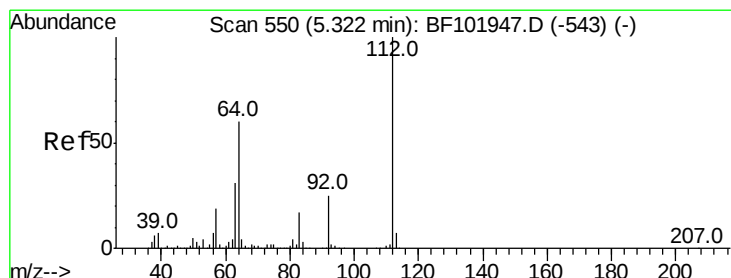
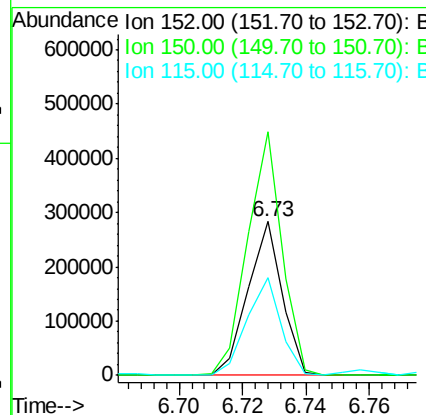
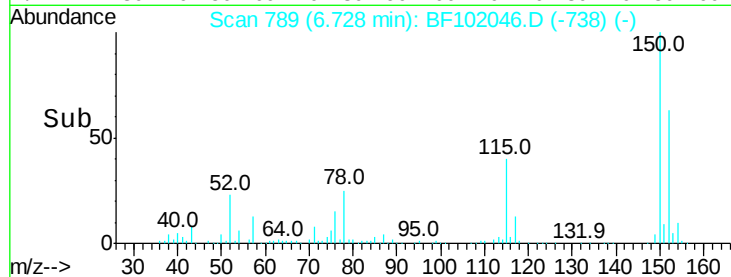
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF102046.D
 Acq: 12 Jan 2018 16:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	63.8	50.1	75.1



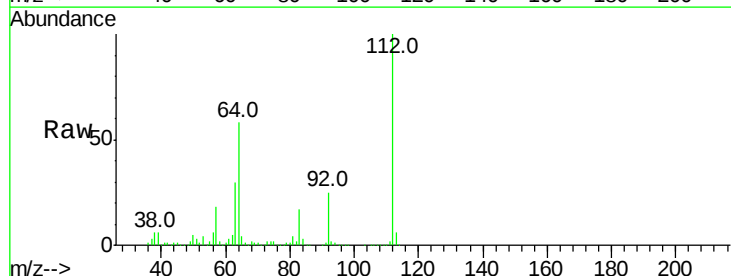
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



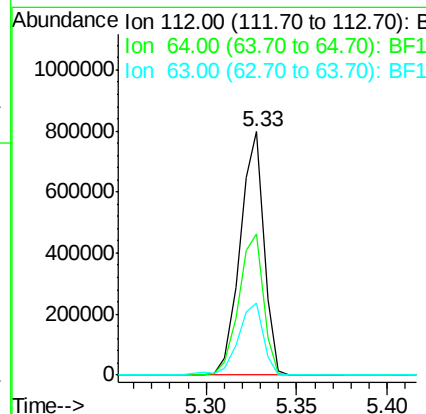
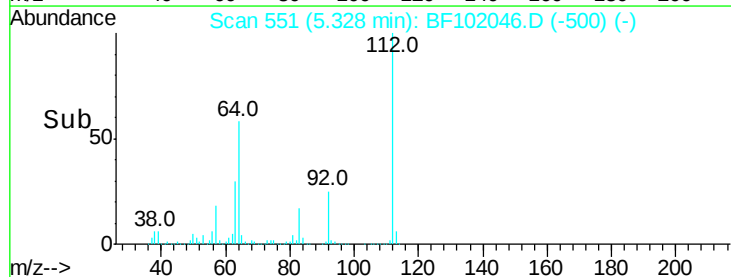
#5

2-Fluorophenol
 Concen: 48.312 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.00 min
 Lab File: BF102046.D
 Acq: 12 Jan 2018 16:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.9	71.9
63	29.7	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: 48.782 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102046.D

Acq: 12 Jan 2018 16:45

Instrument :

BNA_F

ClientSampled :

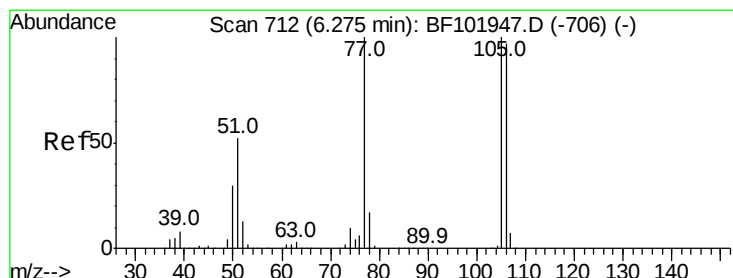
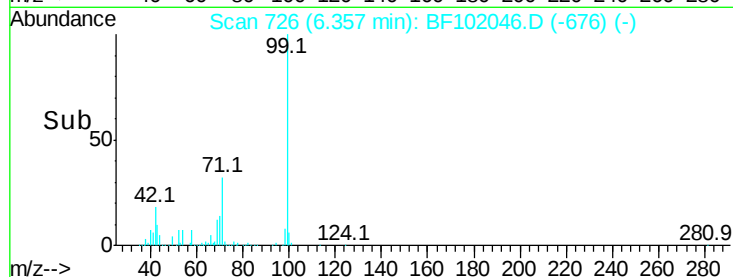
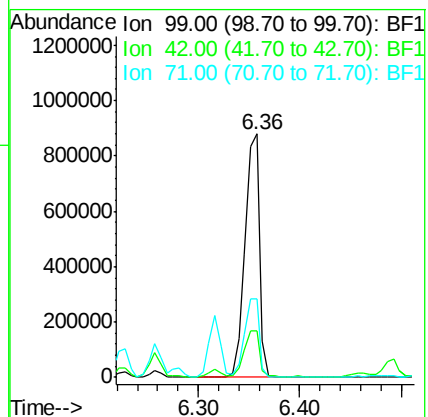
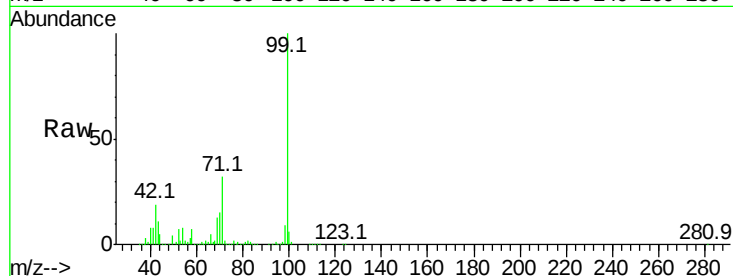
Tot Ion: 99 Resp: 877731

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

71 32.2 25.4 38.0



#9

Benzaldehyde

Concen: 2.030 ng

RT: 6.28 min Scan# 713

Delta R.T. 0.01 min

Lab File: BF102046.D

Acq: 12 Jan 2018 16:45

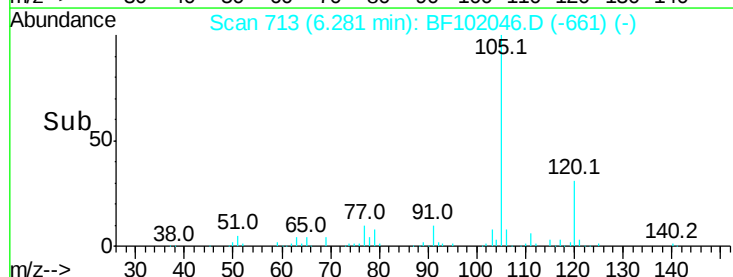
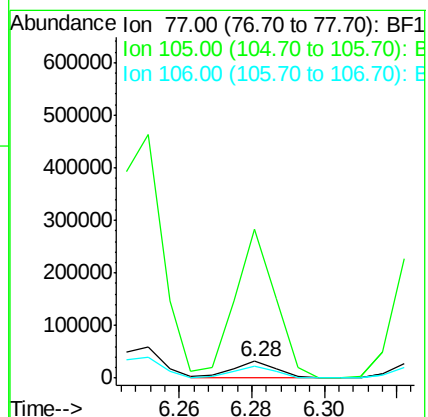
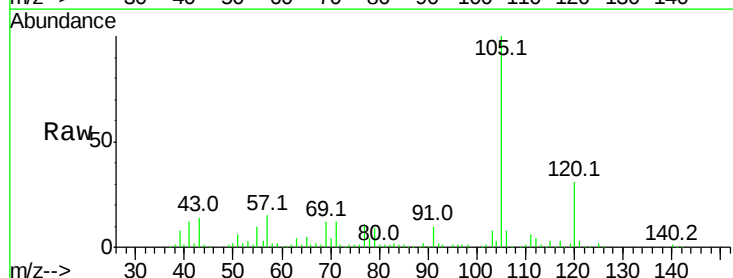
Tgt Ion: 77 Resp: 25365

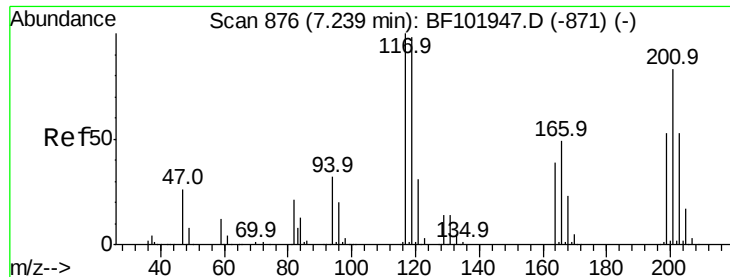
Ion Ratio Lower Upper

77 100

105 887.3 81.1 121.1#

106 72.6 74.5 114.5#

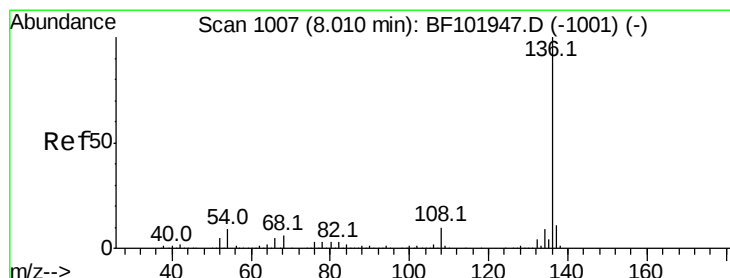
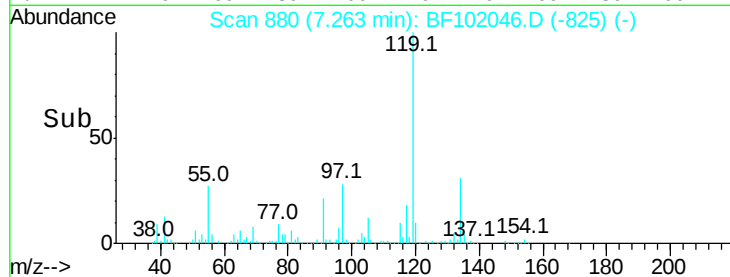
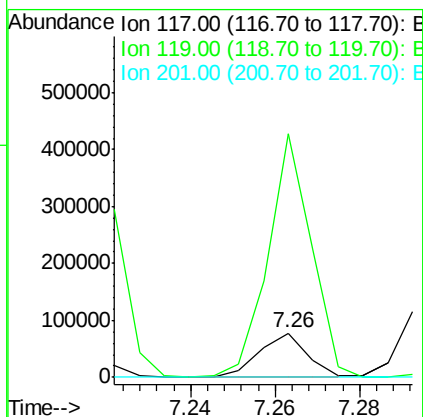
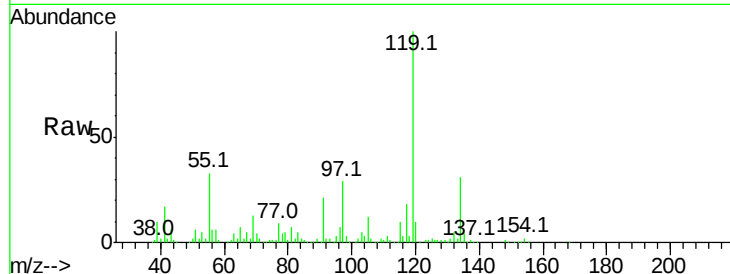




#18
Hexachloroethane
Concen: 10.371 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.02 min
Lab File: BF102046.D
Acq: 12 Jan 2018 16:45

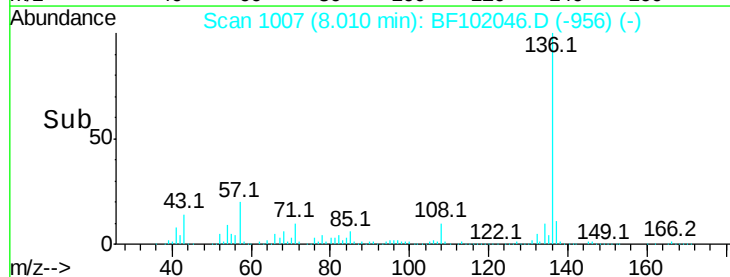
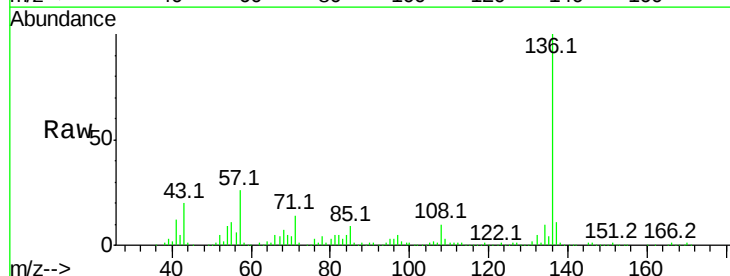
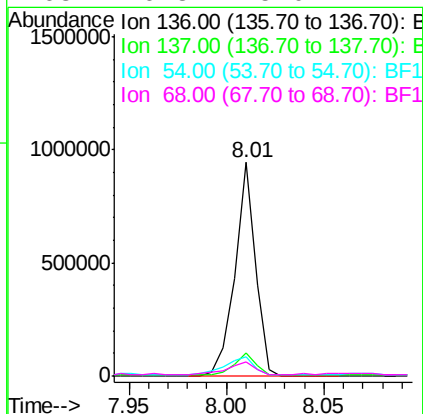
Instrument :
BNA_F
ClientSampled :

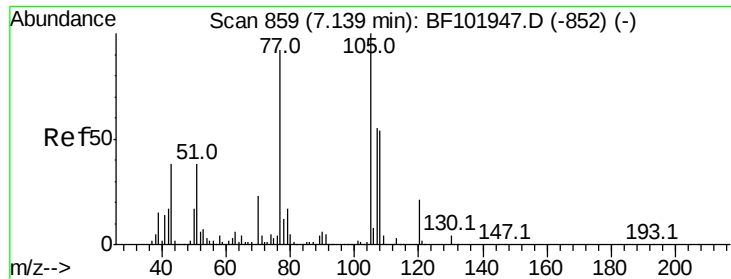
Tot Ion:117 Resp: 63536
Ion Ratio Lower Upper
117 100
119 551.1 75.8 113.8#
201 0.0 75.7 113.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF102046.D
Acq: 12 Jan 2018 16:45

Tgt Ion:136 Resp: 686574
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.3 6.6 9.8
68 6.8 5.0 7.4





#22

Acetophenone

Concen: 20.050 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.02 min

Lab File: BF102046.D

Acq: 12 Jan 2018 16:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 331684

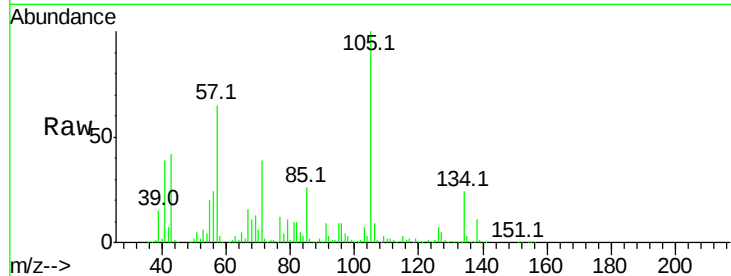
Ion Ratio Lower Upper

105 100

71 38.6 4.4 6.6#

51 5.0 22.3 33.5#

120 0.2 16.9 25.3#

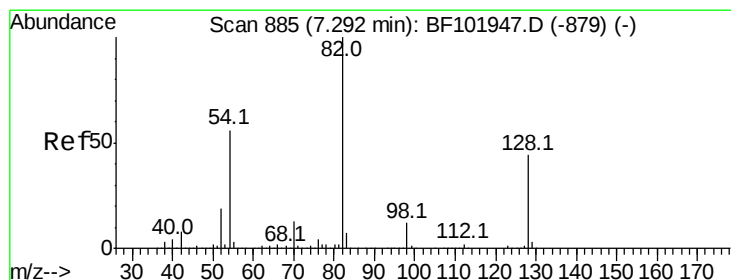
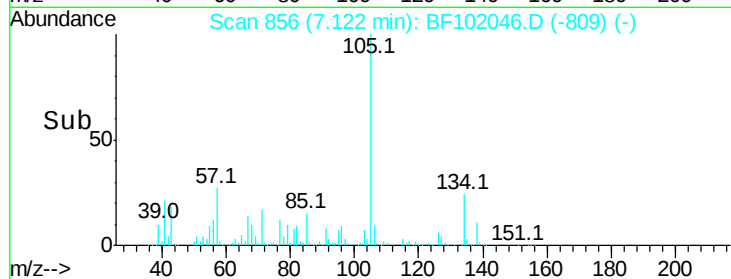
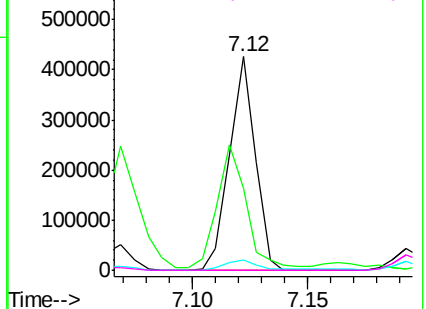


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 45.842 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102046.D

Acq: 12 Jan 2018 16:45

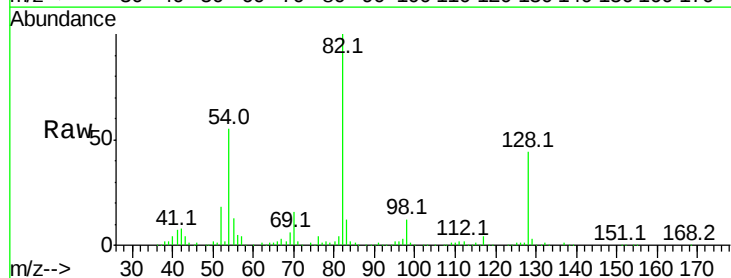
Tgt Ion: 82 Resp: 535603

Ion Ratio Lower Upper

82 100

128 44.5 36.1 54.1

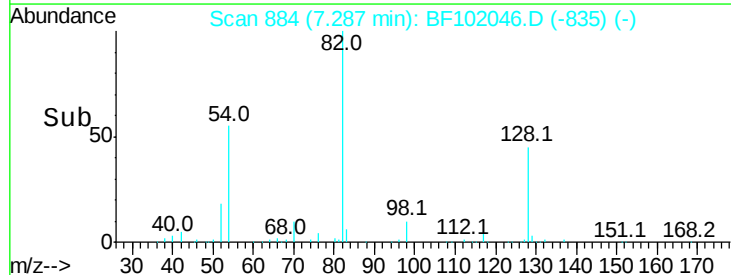
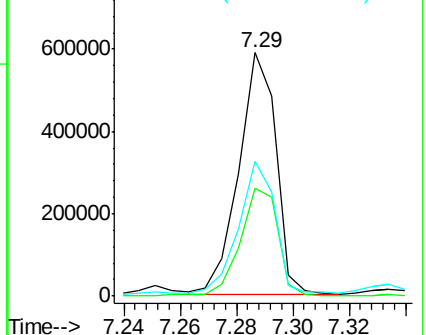
54 55.4 41.4 62.2

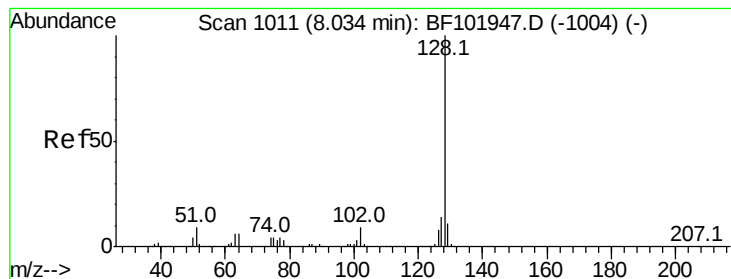


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 2.137 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF102046.D

Acq: 12 Jan 2018 16:45

Instrument :

BNA_F

ClientSampleId :

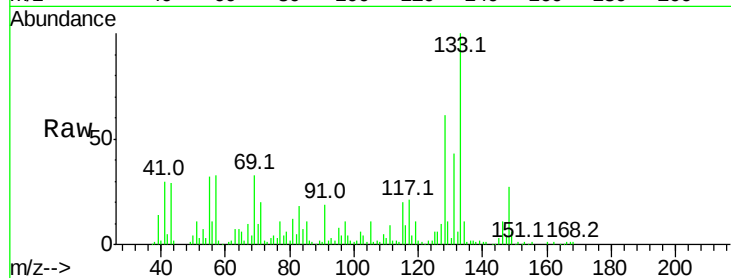
Tot Ion:128 Resp: 73321

Ion Ratio Lower Upper

128 100

129 18.3 8.8 13.2#

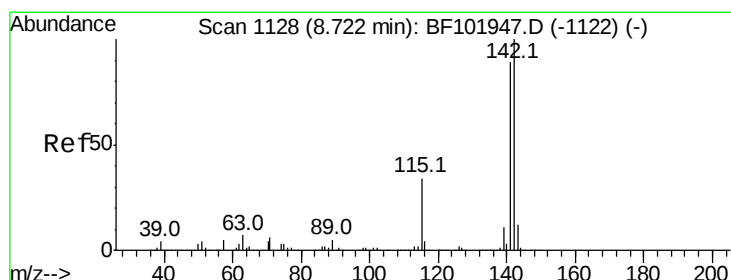
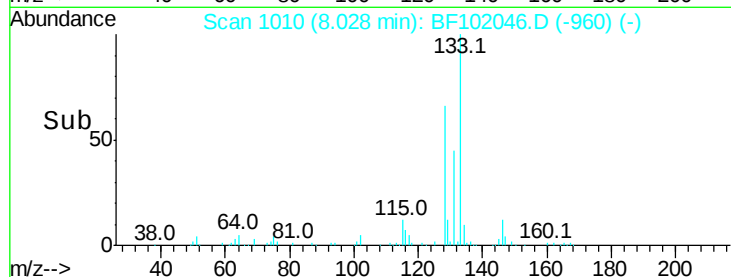
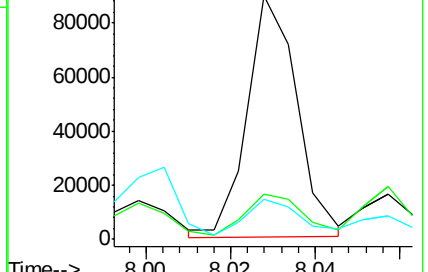
127 16.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 3.188 ng

RT: 8.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF102046.D

Acq: 12 Jan 2018 16:45

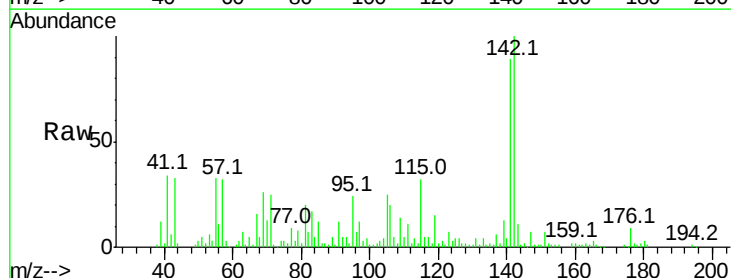
Tgt Ion:142 Resp: 72011

Ion Ratio Lower Upper

142 100

141 89.1 70.8 106.2

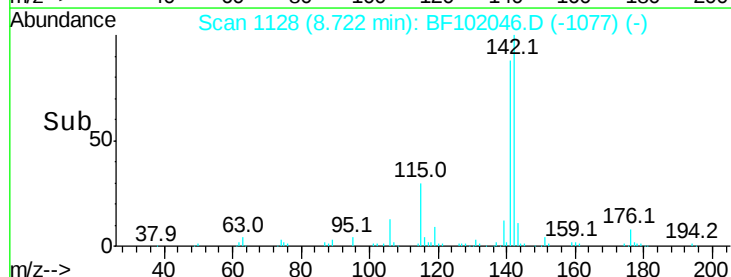
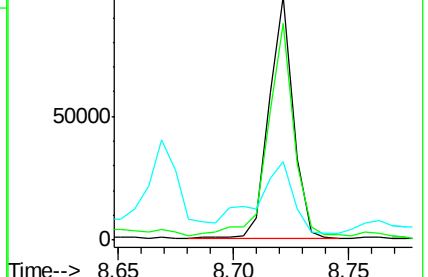
115 32.5 26.1 39.1

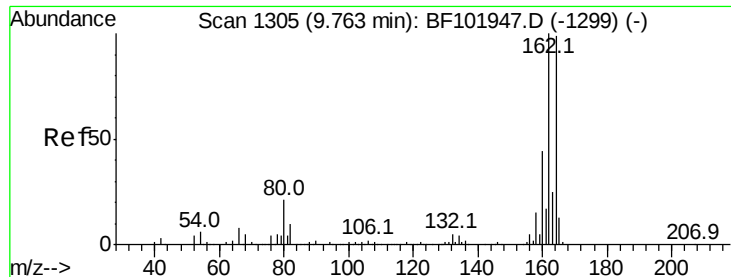


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

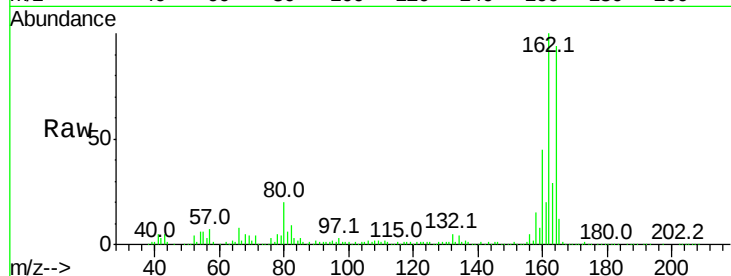




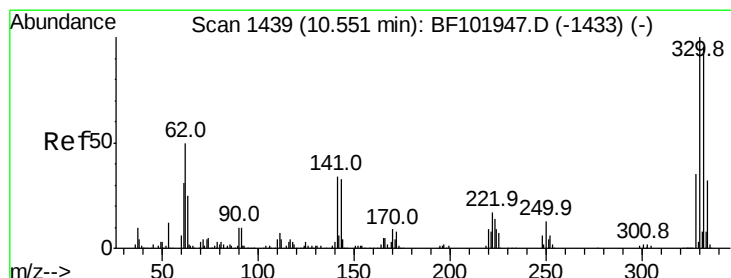
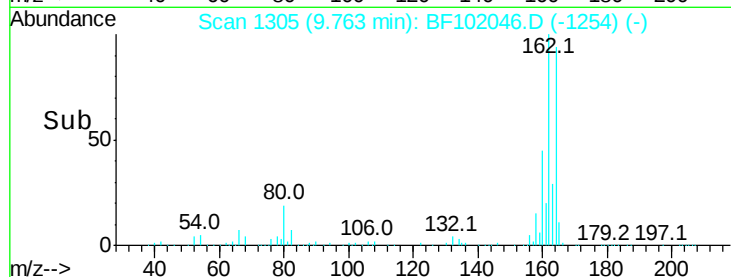
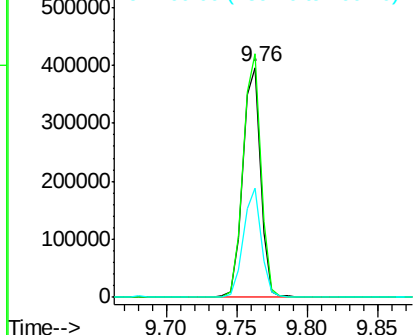
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF102046.D
Acq: 12 Jan 2018 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 347942
Ion Ratio Lower Upper
164 100
162 106.1 86.1 129.1
160 47.8 38.3 57.5

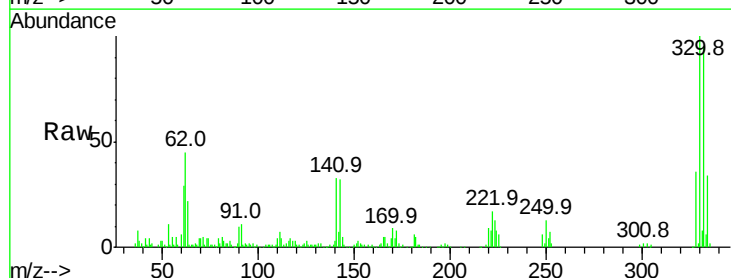


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

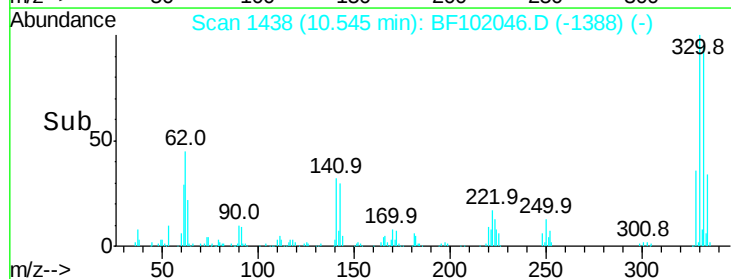
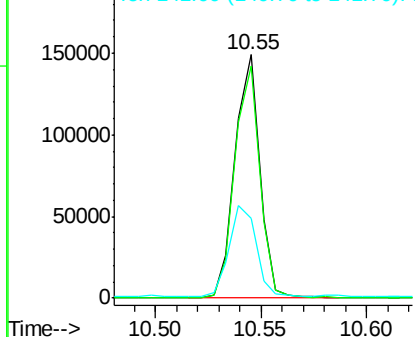


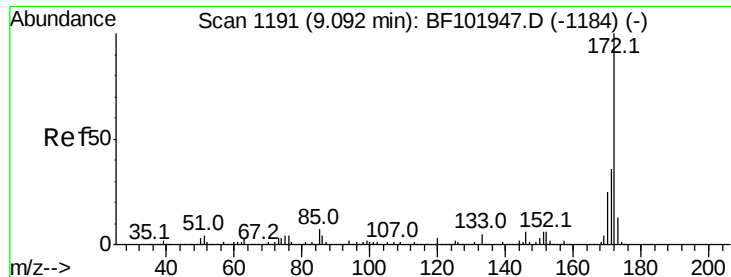
#41
2,4,6-Tribromophenol
Concen: 40.078 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF102046.D
Acq: 12 Jan 2018 16:45

Tgt Ion:330 Resp: 121696
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 40.7 29.9 44.9



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





#44

2-Fluorobiphenyl

Concen: 35.930 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF102046.D

Acq: 12 Jan 2018 16:45

Instrument :

BNA_F

ClientSampleId :

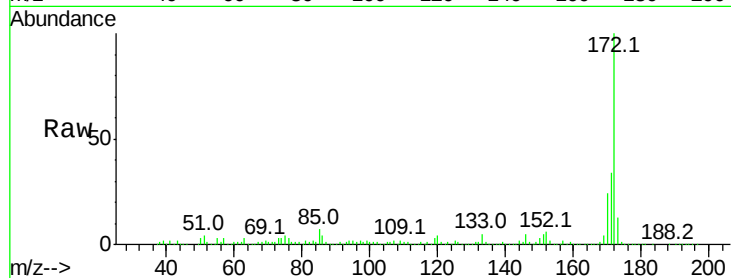
Tot Ion:172 Resp: 800221

Ion Ratio Lower Upper

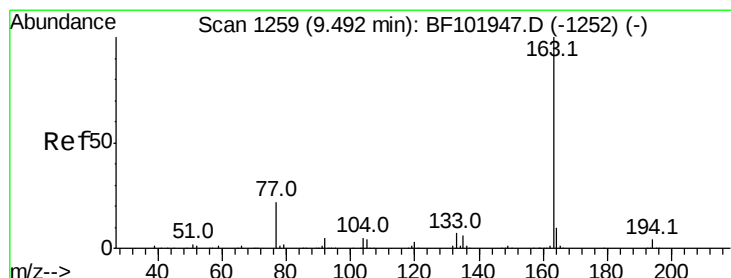
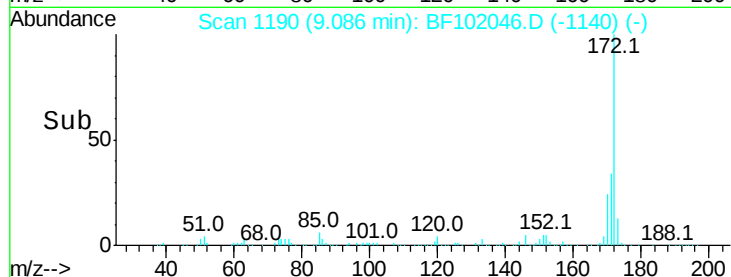
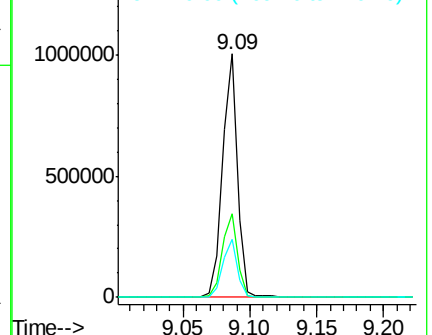
172 100

171 34.5 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: 4.304 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF102046.D

Acq: 12 Jan 2018 16:45

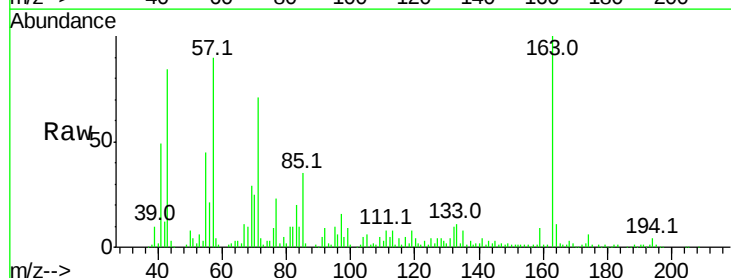
Tgt Ion:163 Resp: 120121

Ion Ratio Lower Upper

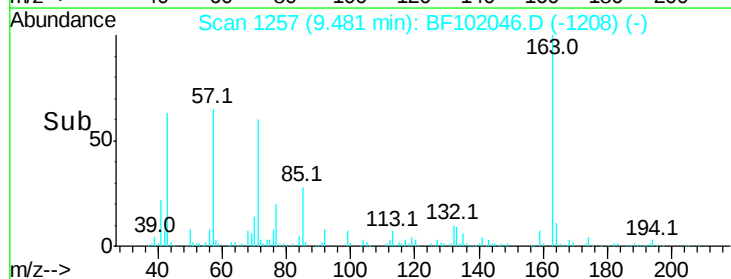
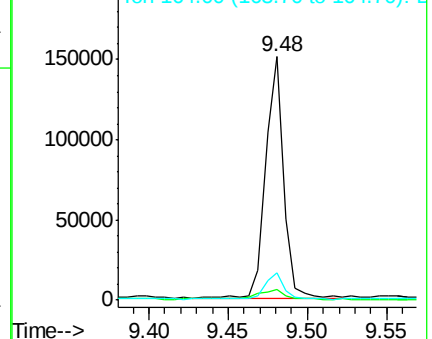
163 100

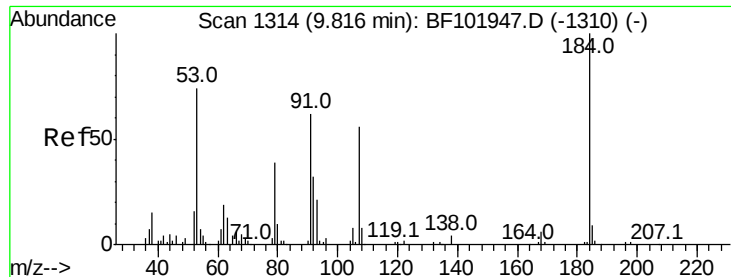
194 4.2 2.7 4.1#

164 11.1 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

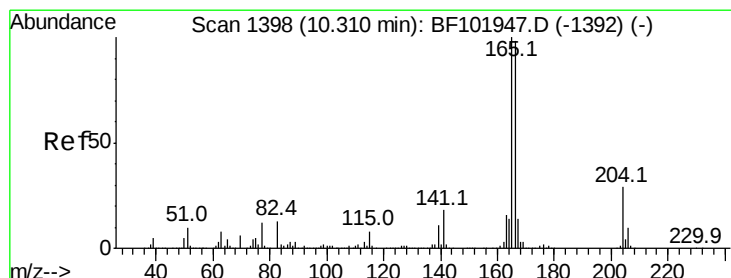
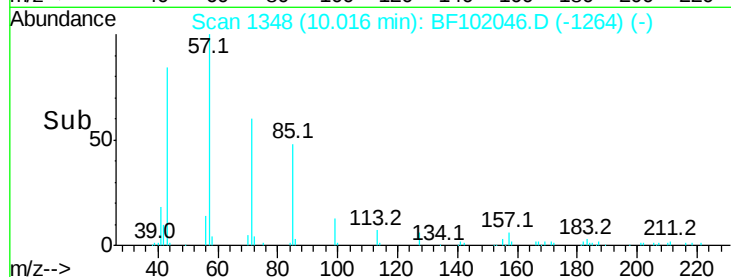
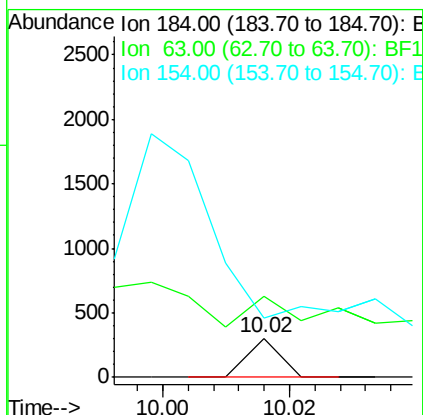
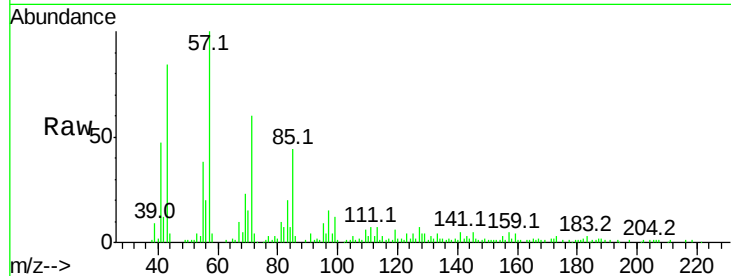




#53
2,4-Dinitrophenol
Concen: 8.703 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.19 min
Lab File: BF102046.D
Acq: 12 Jan 2018 16:45

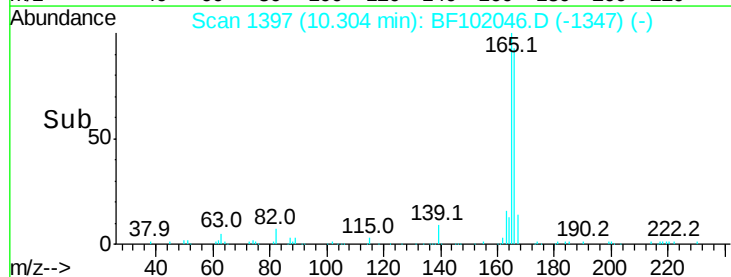
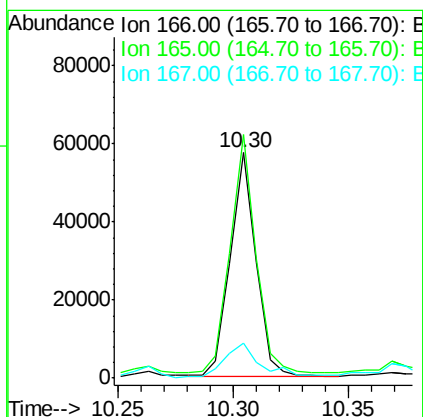
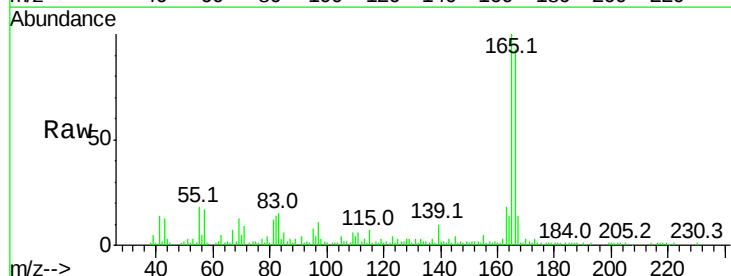
Instrument :
BNA_F
ClientSampleId :

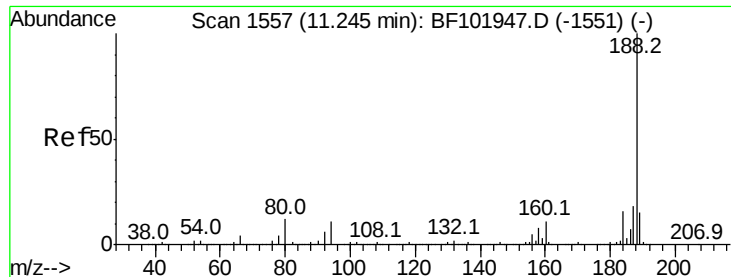
Tot Ion:184 Resp: 107
Ion Ratio Lower Upper
184 100
63 209.3 54.2 81.2#
154 152.3 184.0 276.0#



#57
Fluorene
Concen: 2.052 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF102046.D
Acq: 12 Jan 2018 16:45

Tgt Ion:166 Resp: 44713
Ion Ratio Lower Upper
166 100
165 107.9 79.8 119.8
167 15.4 10.6 16.0

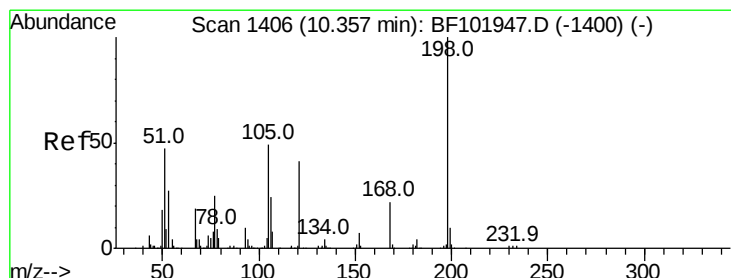
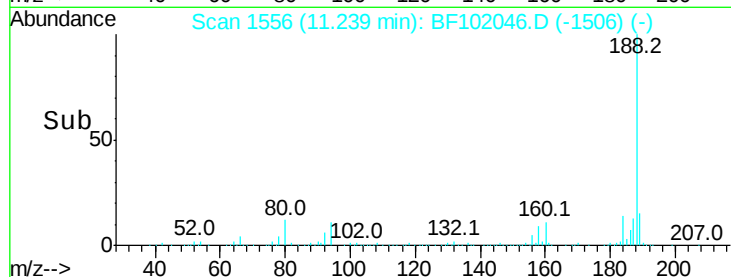
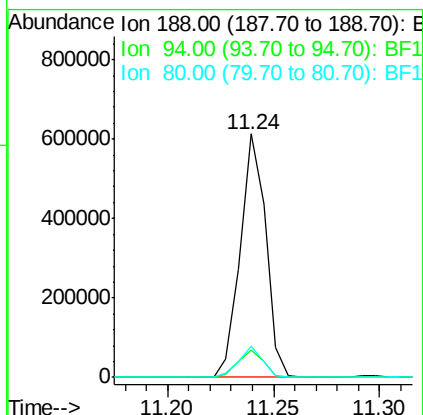
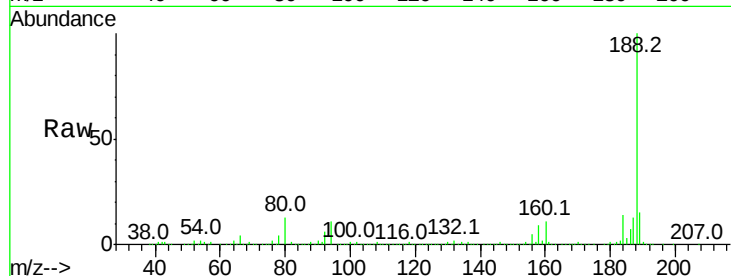




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF102046.D
Acq: 12 Jan 2018 16:45

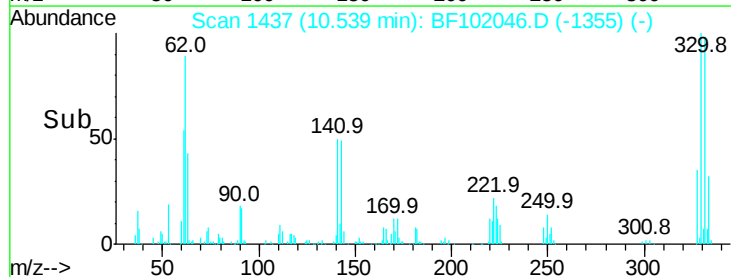
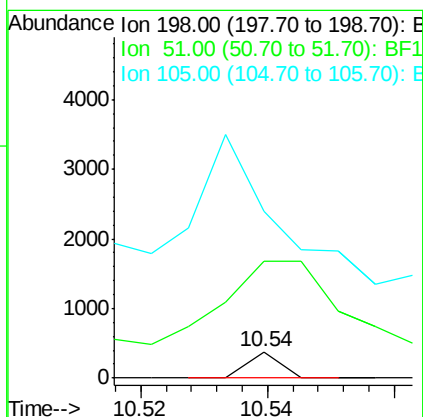
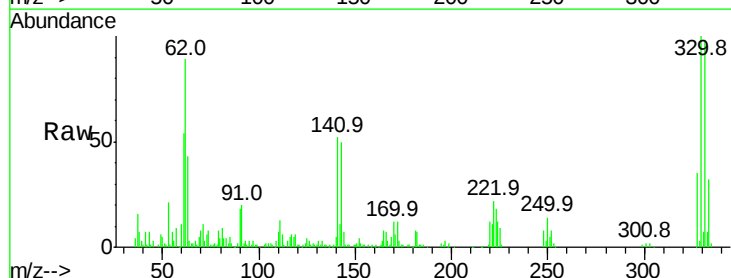
Instrument :
BNA_F
ClientSampleId :

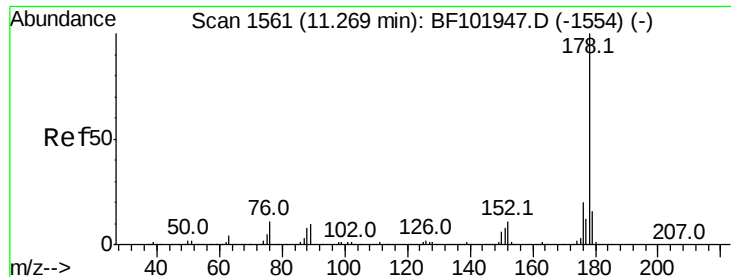
Tot Ion:188 Resp: 515204
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 12.5 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.704 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF102046.D
Acq: 12 Jan 2018 16:45

Tgt Ion:198 Resp: 134
Ion Ratio Lower Upper
198 100
51 440.2 37.7 77.7#
105 631.0 36.3 76.3#





#70

Phenanthrene

Concen: 13.285 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102046.D

Acq: 12 Jan 2018 16:45

Instrument :

BNA_F

ClientSampleId :

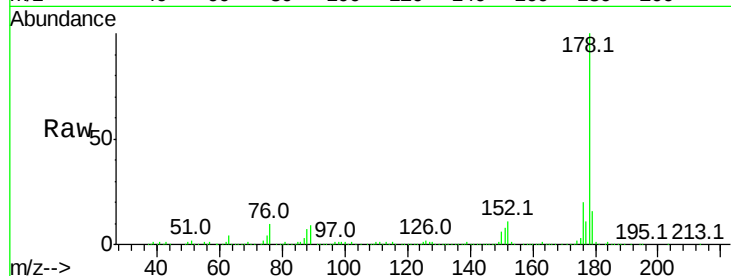
Tot Ion:178 Resp: 399798

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

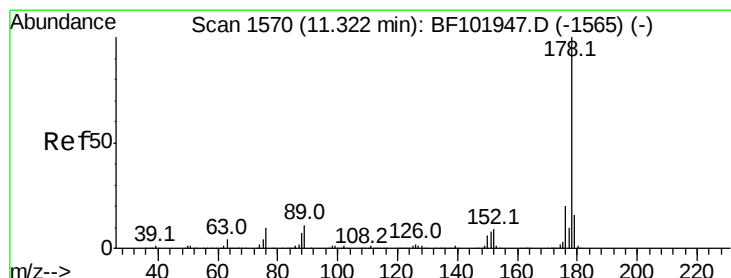
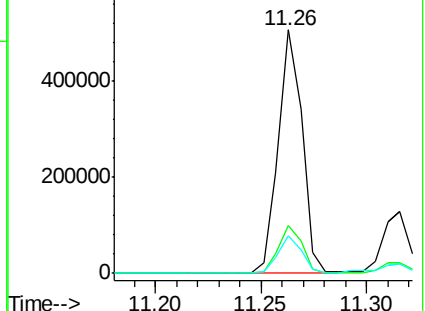
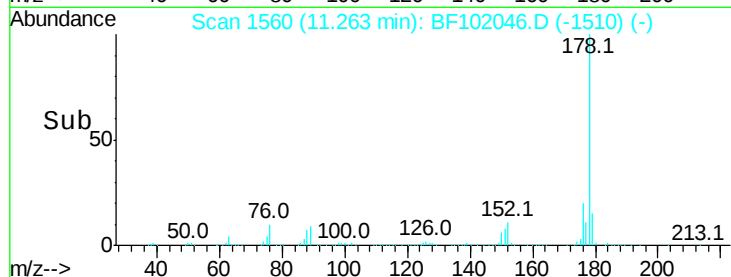
179 15.6 13.0 19.6



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: 3.521 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF102046.D

Acq: 12 Jan 2018 16:45

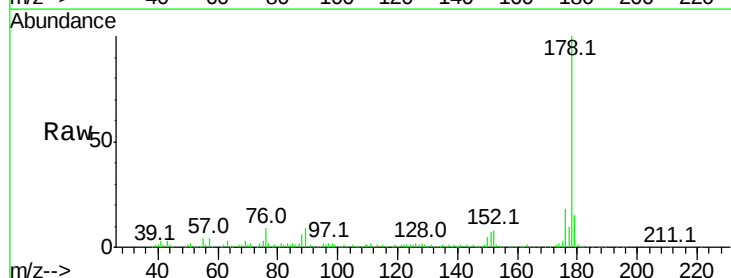
Tgt Ion:178 Resp: 107464

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

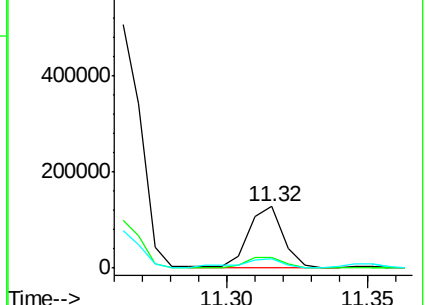
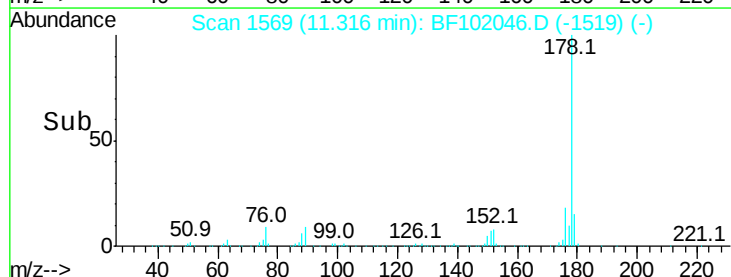
179 15.3 12.6 19.0

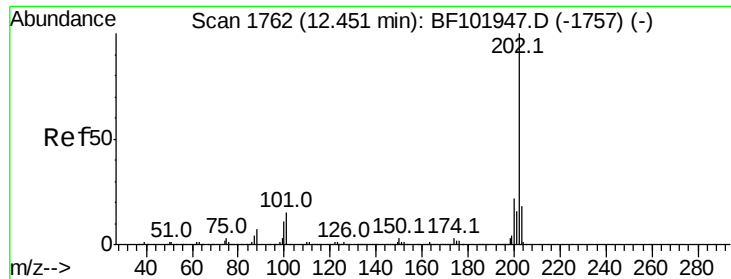


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.083 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF102046.D

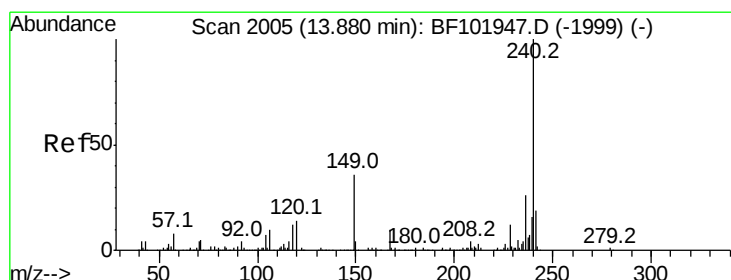
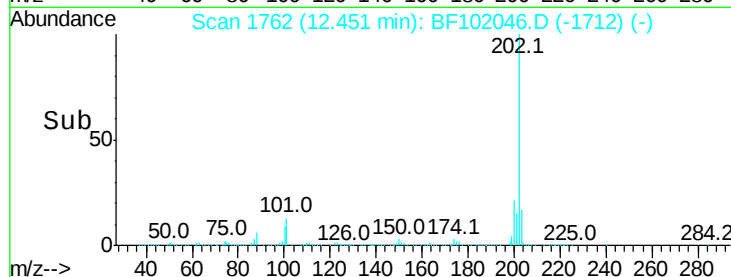
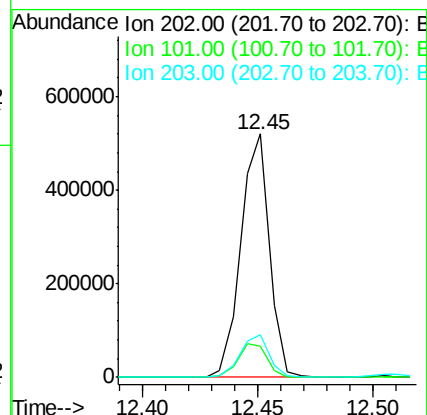
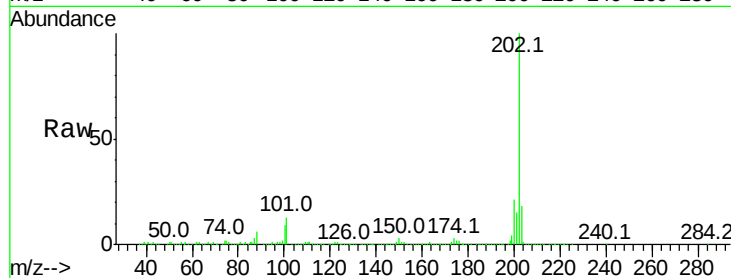
Acq: 12 Jan 2018 16:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	446591
Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.1
203	17.6	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

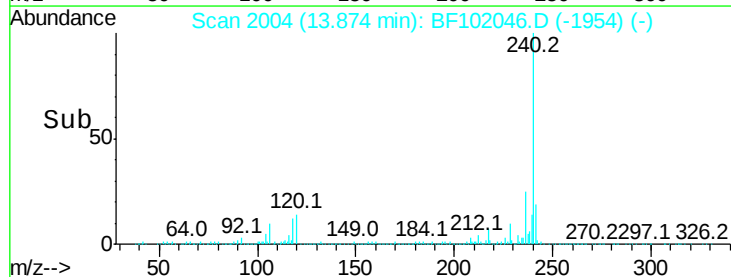
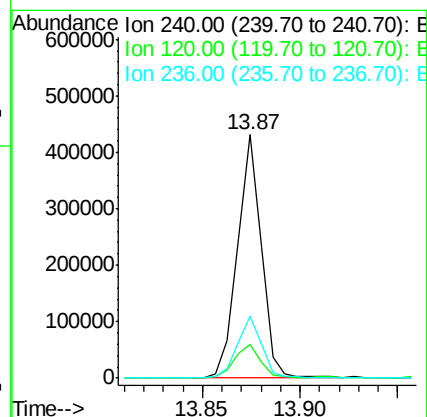
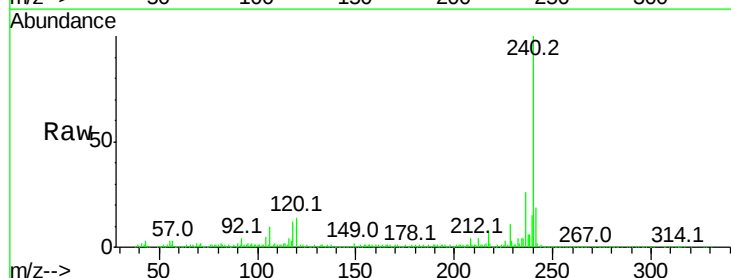
RT: 13.87 min Scan# 2004

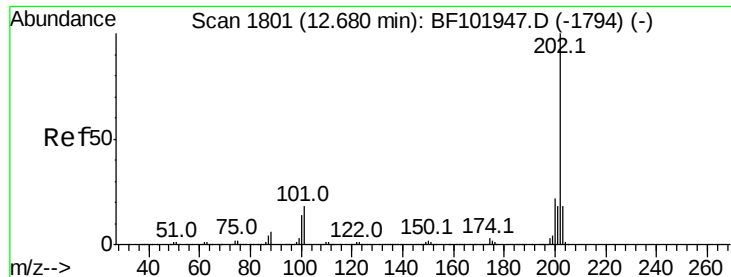
Delta R.T. -0.01 min

Lab File: BF102046.D

Acq: 12 Jan 2018 16:45

Tgt Ion:	240	Resp:	364510
Ion	Ratio	Lower	Upper
240	100		
120	14.1	9.5	14.3
236	25.5	20.7	31.1





#77

Pvrene

Concen: 11.902 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102046.D

Acq: 12 Jan 2018 16:45

Instrument :

BNA_F

ClientSampleId :

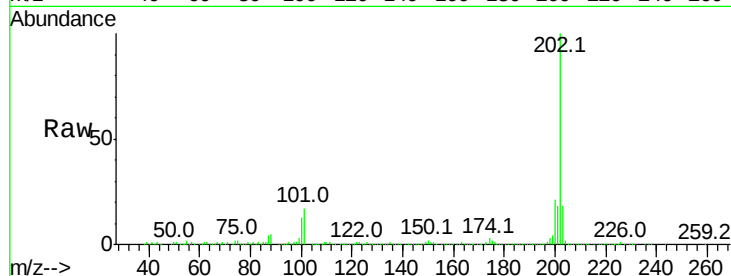
Tot Ion:202 Resp: 383486

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

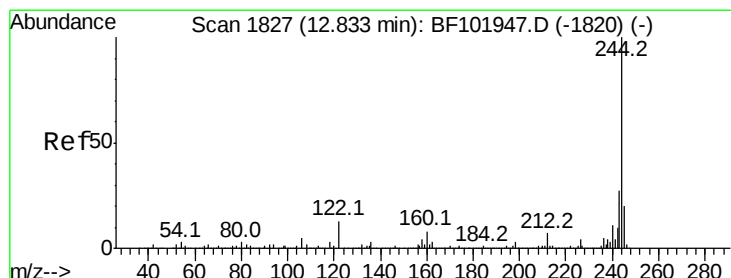
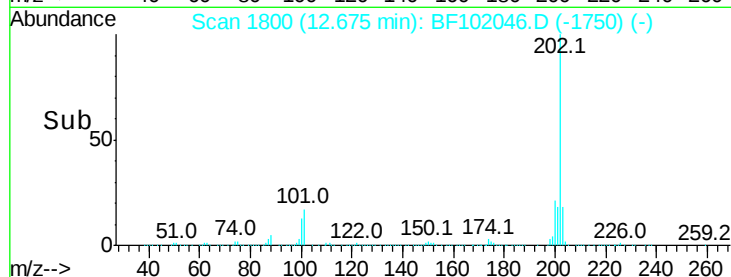
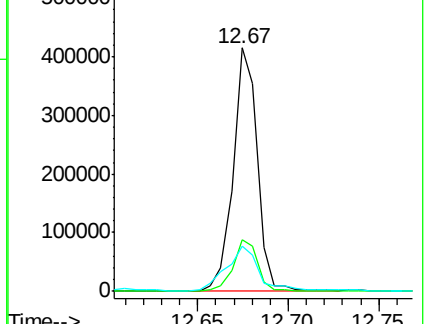
203 18.3 14.3 21.5



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: 28.052 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF102046.D

Acq: 12 Jan 2018 16:45

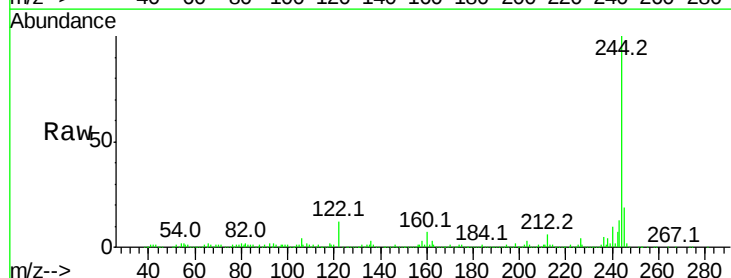
Tgt Ion:244 Resp: 492484

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

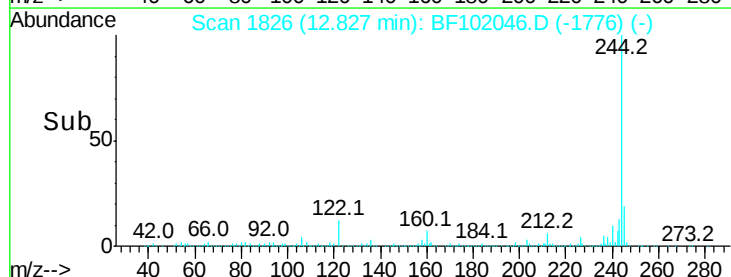
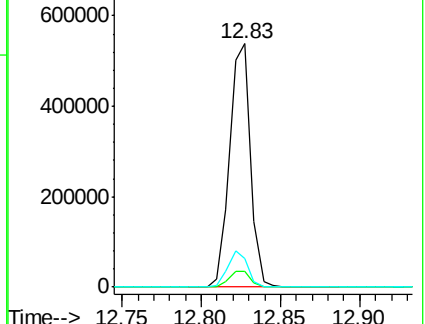
122 12.0 11.0 16.4

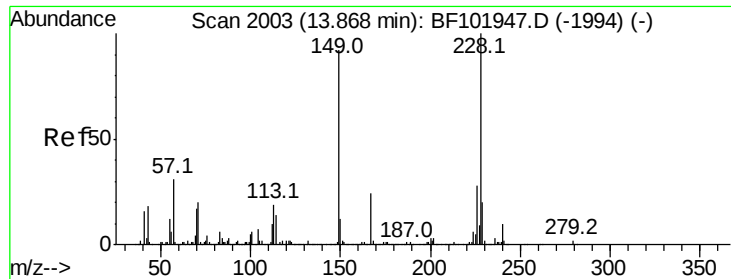


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

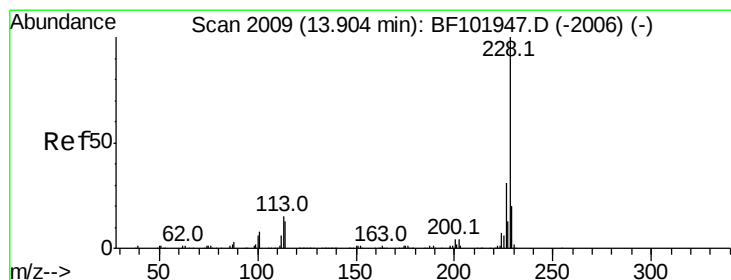
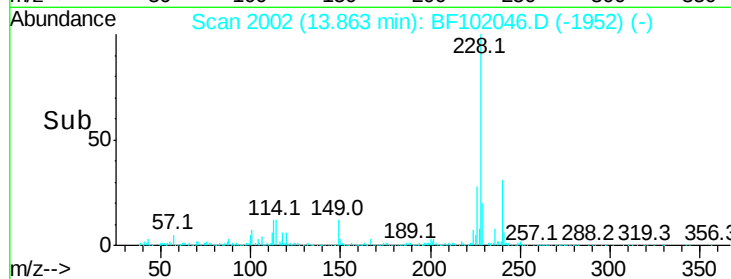
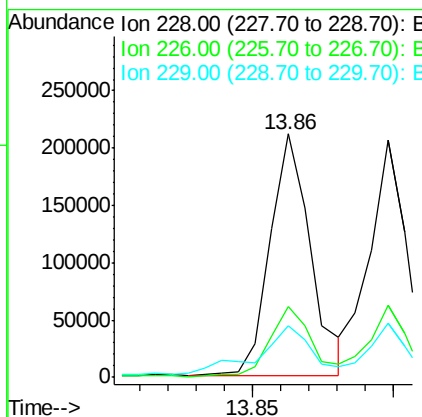
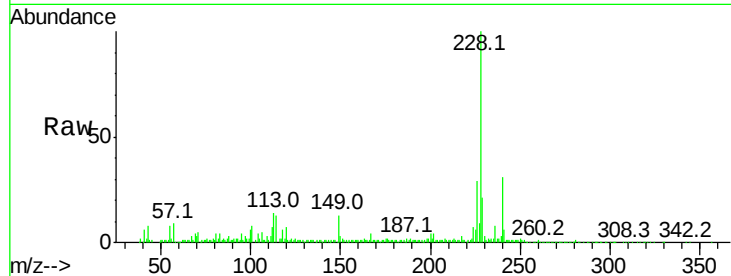




#80
Benzo(a)anthracene
Concen: 9.094 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102046.D
Acq: 12 Jan 2018 16:45

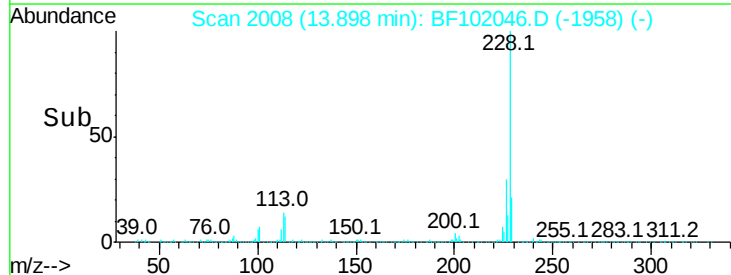
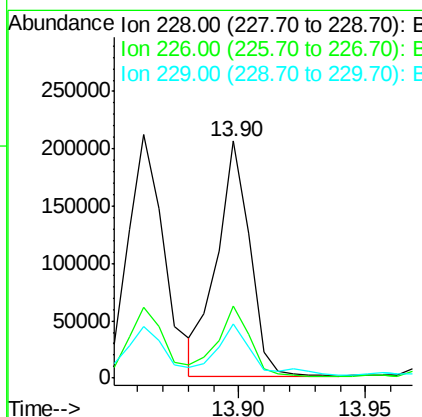
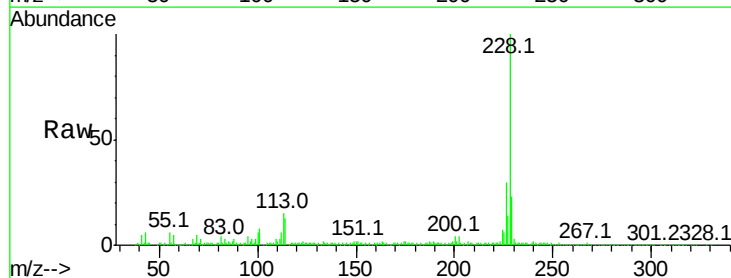
Instrument :
BNA_F
ClientSampleId :

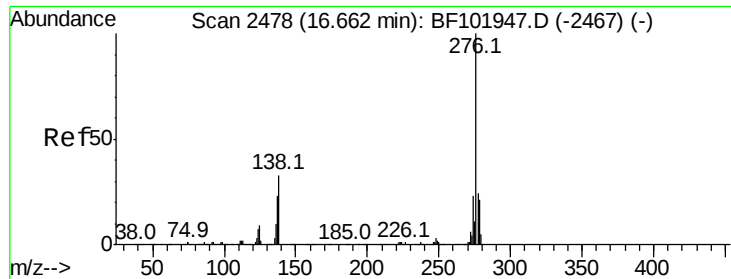
Tot Ion:228 Resp: 211488
Ion Ratio Lower Upper
228 100
226 28.9 22.6 33.8
229 21.1 15.8 23.6



#82
Chrysene
Concen: 7.623 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102046.D
Acq: 12 Jan 2018 16:45

Tgt Ion:228 Resp: 184859
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 22.9 16.2 24.4

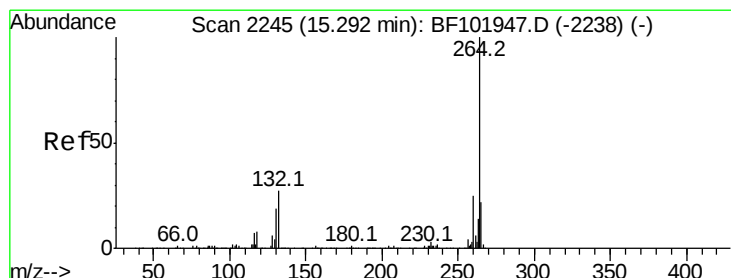
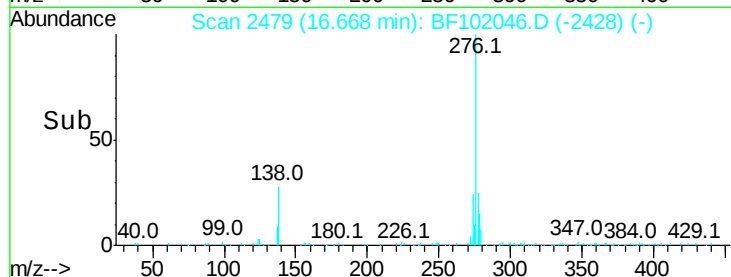
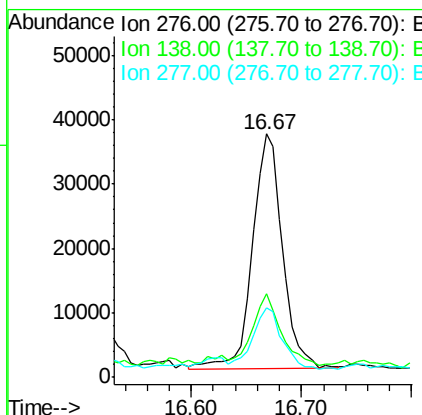
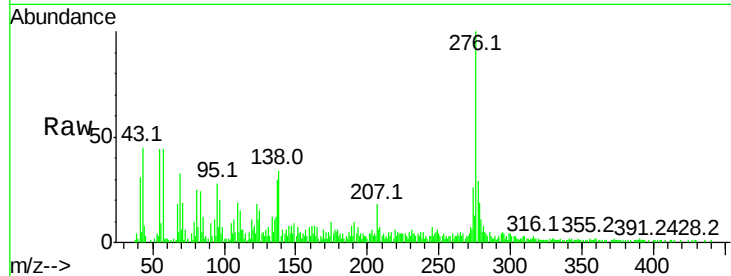




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.942 ng
 RT: 16.67 min Scan# 2479
 Delta R.T. 0.00 min
 Lab File: BF102046.D
 Acq: 12 Jan 2018 16:45

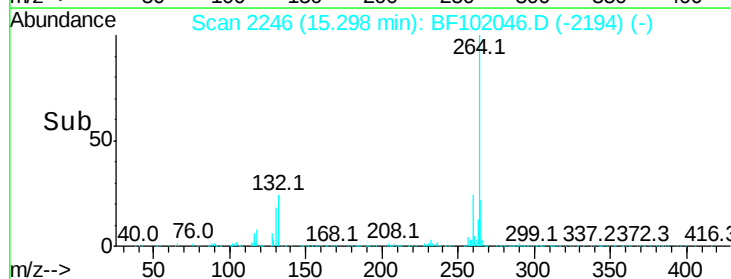
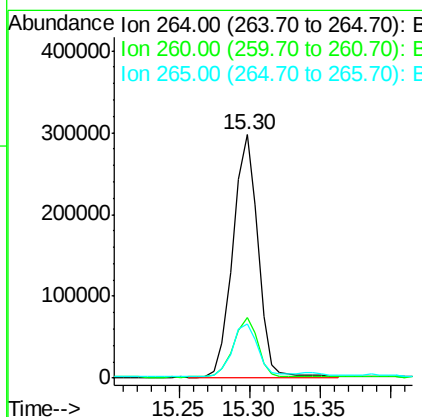
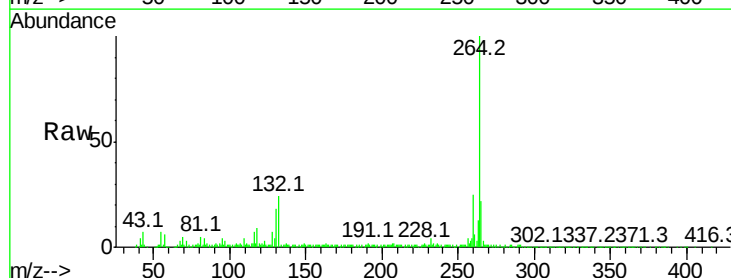
Instrument :
 BNA_F
 ClientSampleId :

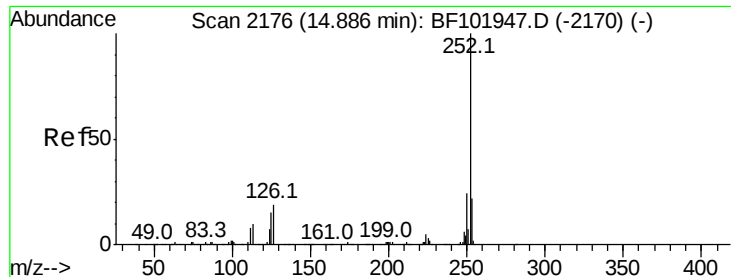
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.8	25.0	37.6
277	24.5	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF102046.D
 Acq: 12 Jan 2018 16:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 12.260 ng

RT: 14.89 min Scan# 2176

Delta R.T. 0.00 min

Lab File: BF102046.D

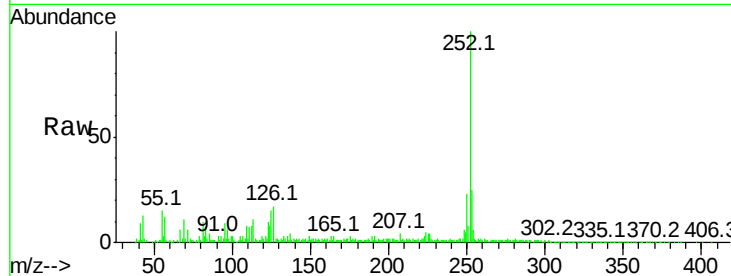
Acq: 12 Jan 2018 16:45

Instrument :

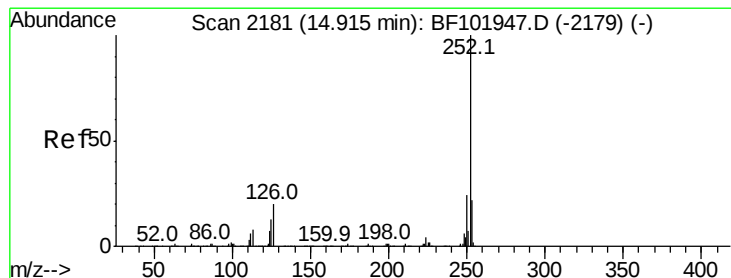
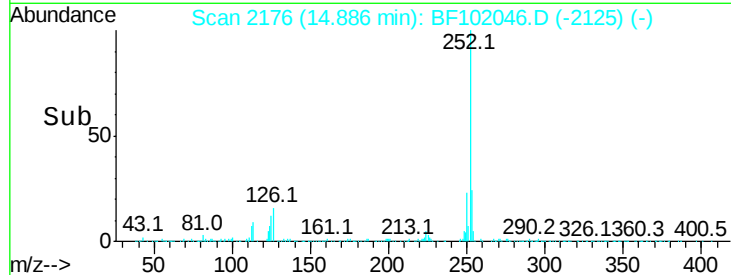
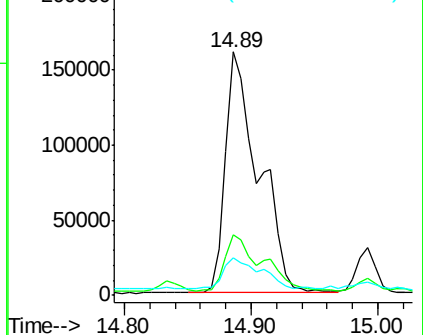
BNA_F

ClientSampleId :

Tot Ion:252	Resp:	293077
Ion Ratio	Lower	Upper
252	100	
253	24.8	17.0 25.6
125	15.2	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: 12.709 ng

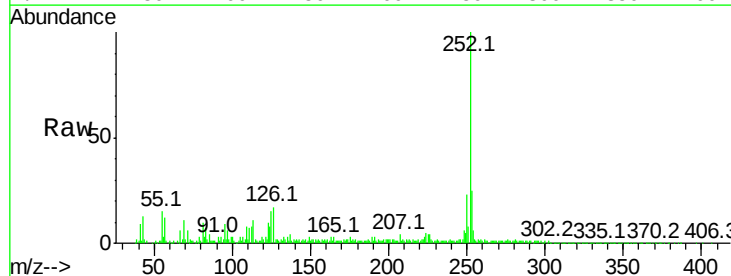
RT: 14.89 min Scan# 2176

Delta R.T. -0.03 min

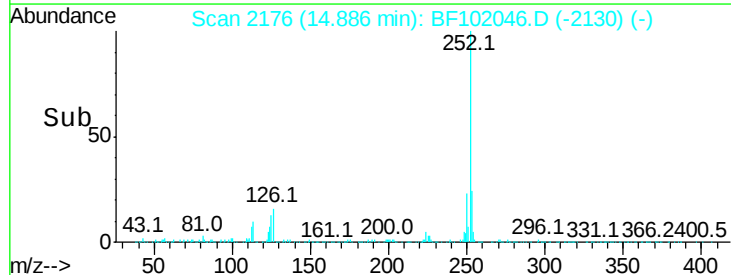
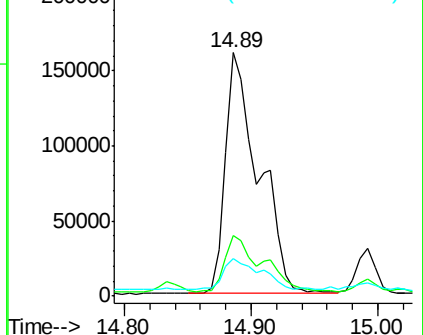
Lab File: BF102046.D

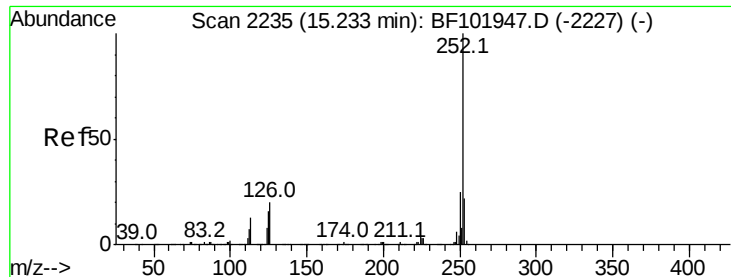
Acq: 12 Jan 2018 16:45

Tgt Ion:252	Resp:	293077
Ion Ratio	Lower	Upper
252	100	
253	24.8	17.9 26.9
125	15.2	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: 7.420 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.00 min

Lab File: BF102046.D

Acq: 12 Jan 2018 16:45

Instrument :

BNA_F

ClientSampleId :

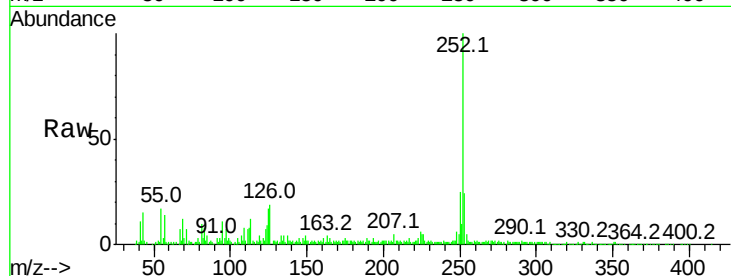
Tot Ion:252 Resp: 159613

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

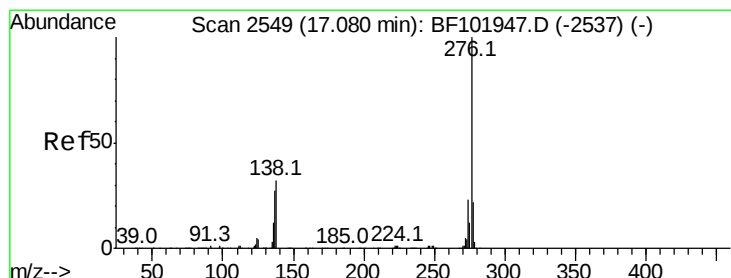
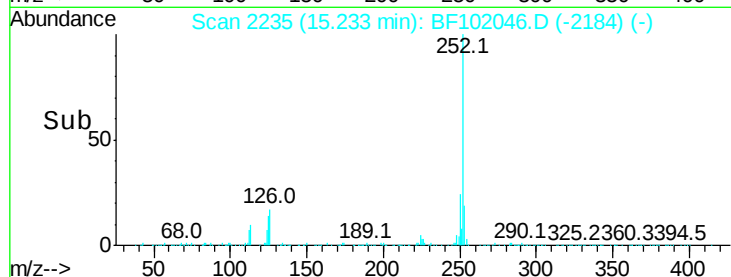
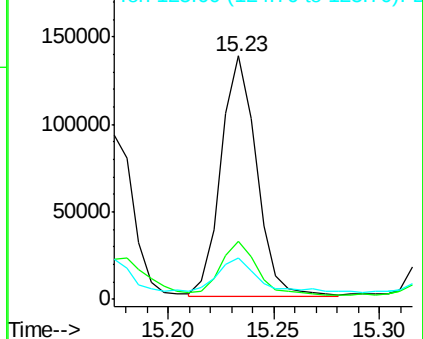
125 17.0 9.8 14.6#



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: 3.677 ng

RT: 17.09 min Scan# 2550

Delta R.T. 0.00 min

Lab File: BF102046.D

Acq: 12 Jan 2018 16:45

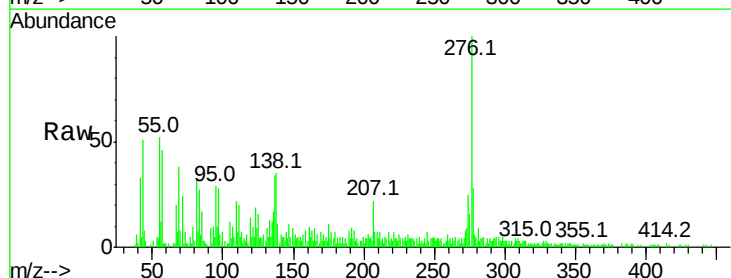
Tgt Ion:276 Resp: 63575

Ion Ratio Lower Upper

276 100

277 27.7 17.9 26.9#

138 35.0 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

