

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102068.D
 Acq On : 15 Jan 2018 17:41
 Operator : SJ/JU
 Sample : J1016-03 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 15 23:43:17 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	6.72	152	227211	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	909366	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	390182	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	601277	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	364841	20.00	ng	-0.02
86) Perylene-d12	15.28	264	385789	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	337715	20.99	ng	-0.01
7) Phenol-d6	6.35	99	406519	21.18	ng	-0.02
23) Nitrobenzene-d5	7.28	82	241329	15.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	70848	20.81	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	356088	14.26	ng	-0.02
78) Terphenyl-d14	12.82	244	220178	12.53	ng	-0.02

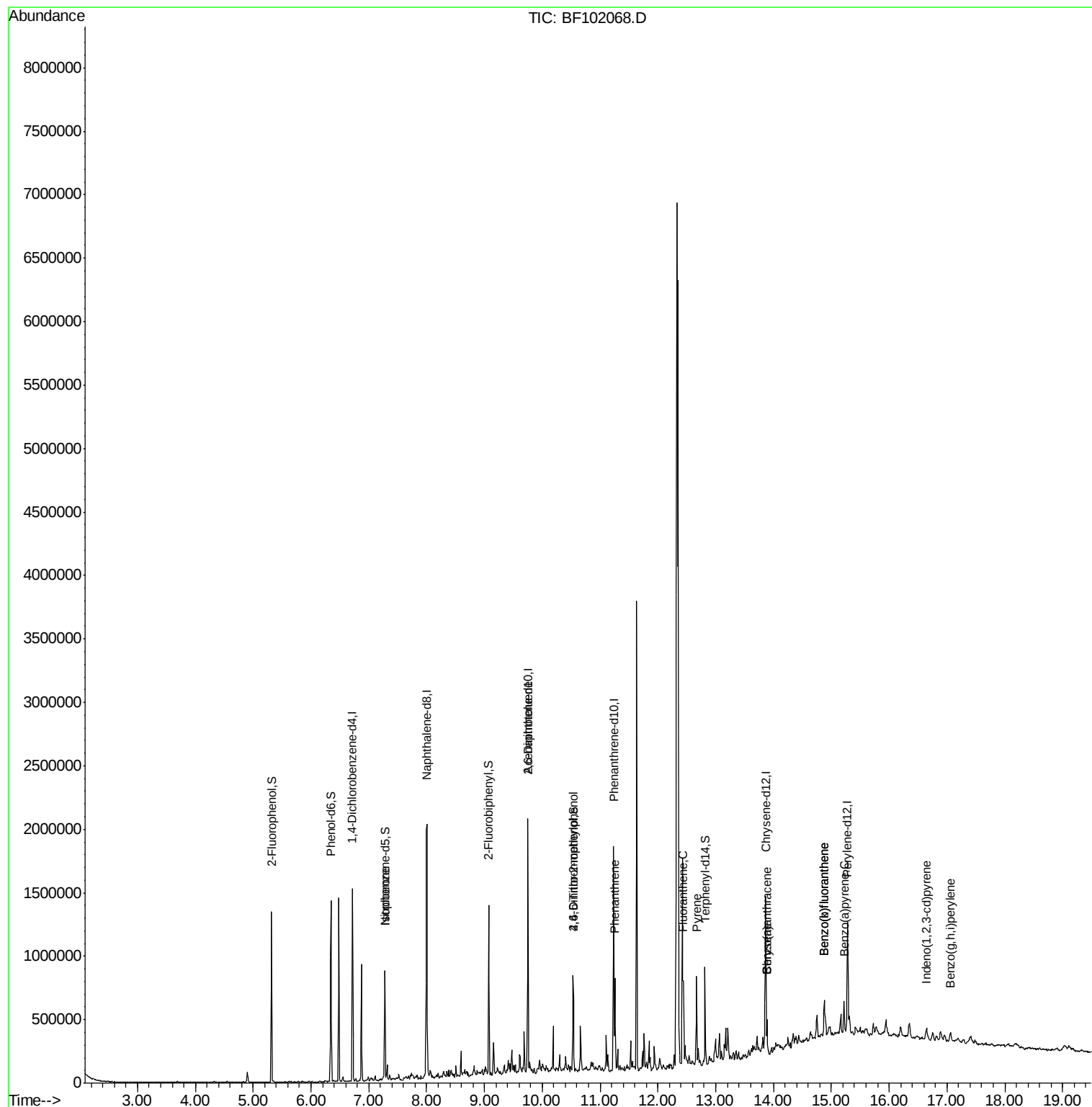
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.28	82	237640	7.772	ng	# 64
50) 2,6-Dinitrotoluene	9.75	165	52345	8.372	ng	# 26
64) 4,6-Dinitro-2-methylphenol	10.54	198	153	5.704	ng	# 1
70) Phenanthrene	11.26	178	222173	6.326	ng	97
74) Fluoranthene	12.44	202	272262	7.879	ng	97
77) Pyrene	12.67	202	260803	8.087	ng	99
80) Benzo(a)anthracene	13.89	228	111300	4.781	ng	96
82) Chrysene	13.89	228	111300	4.585	ng	97
85) Indeno(1,2,3-cd)pyrene	16.64	276	58202	3.295	ng	98
87) Benzo(b)fluoranthene	14.87	252	187824	7.467	ng	# 92
88) Benzo(k)fluoranthene	14.87	252	187824	7.740	ng	95
89) Benzo(a)pyrene	15.22	252	107126	4.733	ng	# 95
91) Benzo(a,h,i)perylene	17.06	276	52684	2.895	ng	93

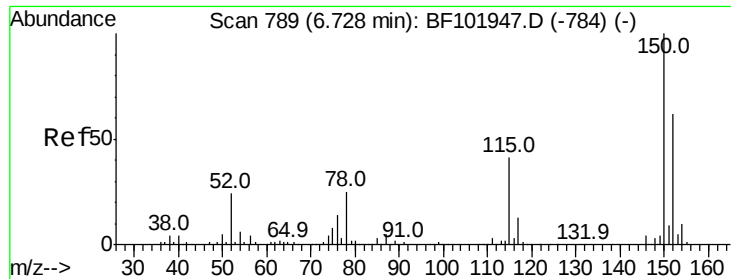
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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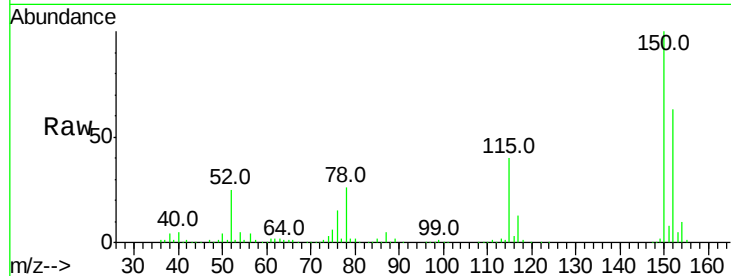


#1

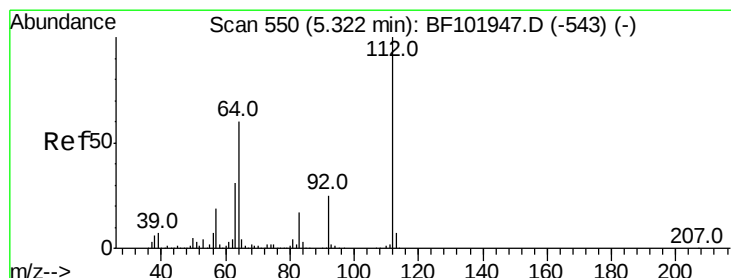
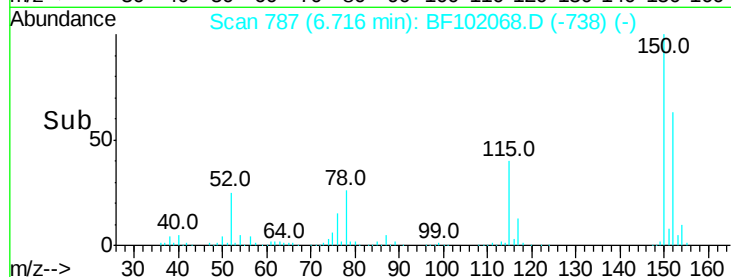
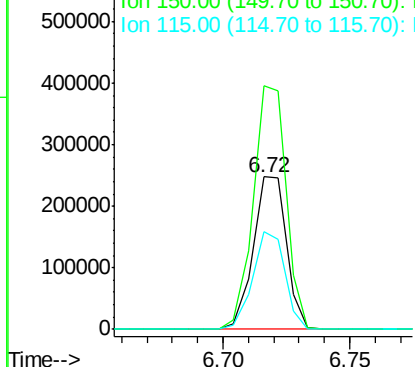
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 227211
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 64.4 50.1 75.1



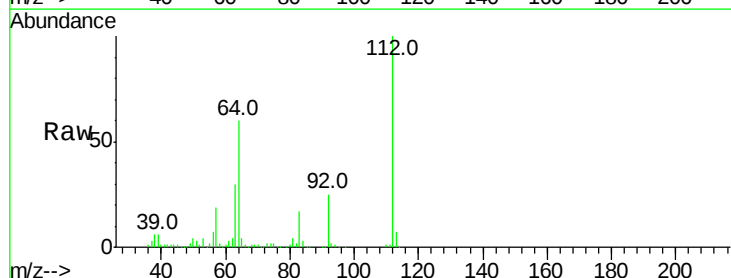
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



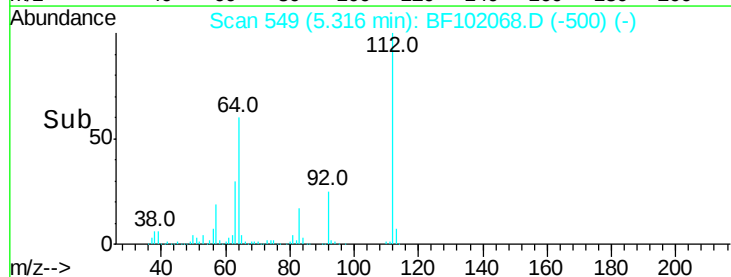
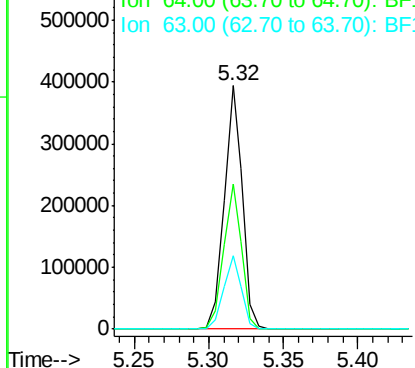
#5

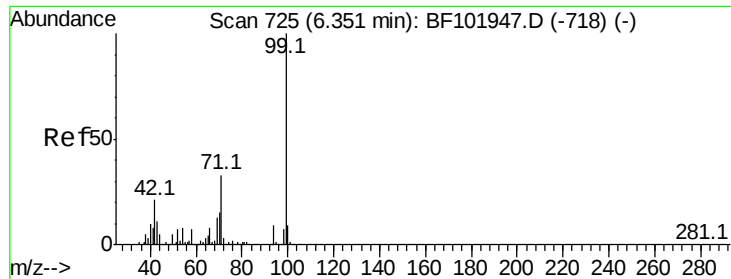
2-Fluorophenol
Concen: 20.988 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Tgt Ion:112 Resp: 337715
Ion Ratio Lower Upper
112 100
64 59.8 47.9 71.9
63 30.1 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: 21.175 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF102068.D

Acq: 15 Jan 2018 17:41

Instrument :

BNA_F

ClientSampleId :

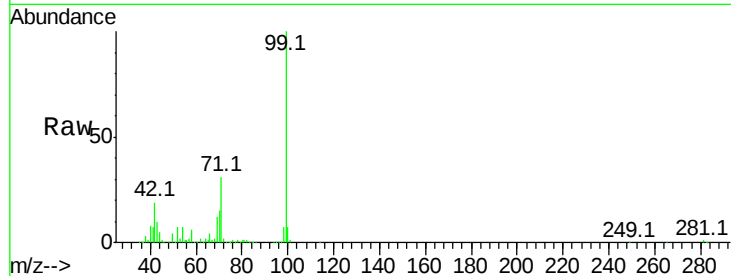
Tot Ion: 99 Resp: 406519

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

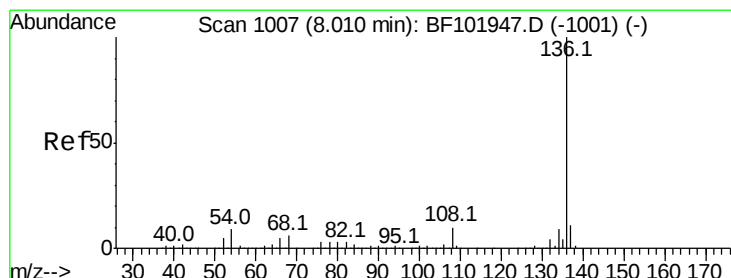
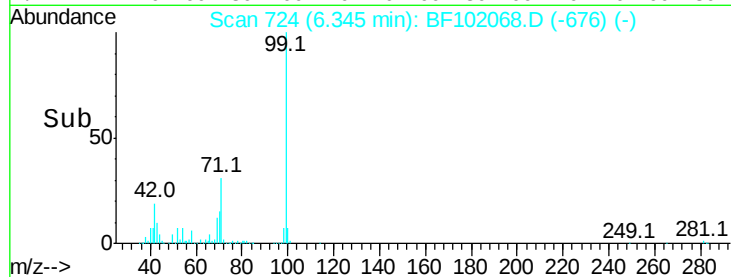
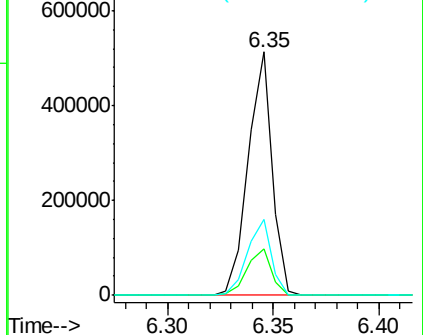
71 31.4 25.4 38.0



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# 1006

Delta R.T. -0.01 min

Lab File: BF102068.D

Acq: 15 Jan 2018 17:41

Tgt Ion: 136 Resp: 909366

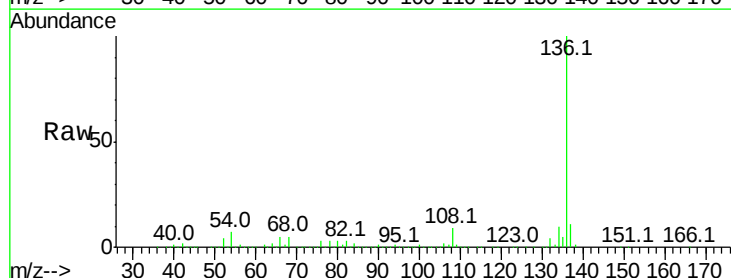
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.5 6.6 9.8

68 5.4 5.0 7.4

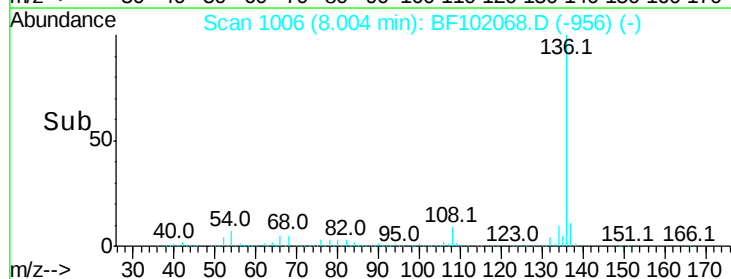
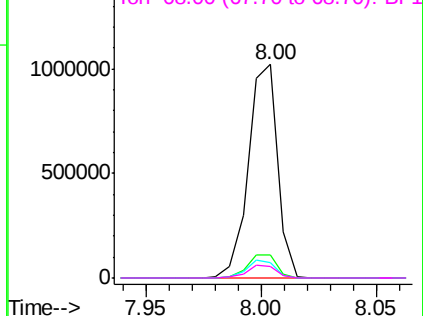


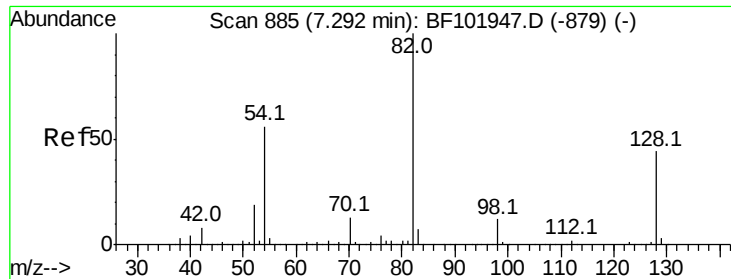
Abundance Ion 136.00 (135.70 to 136.70): E

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

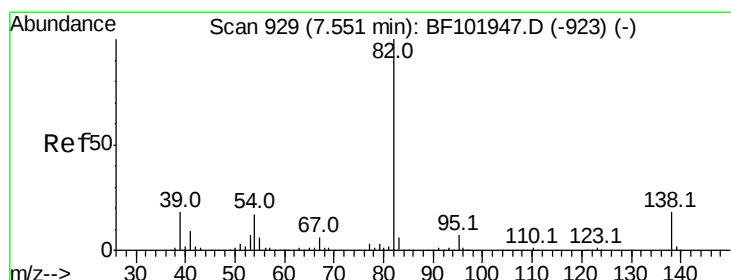
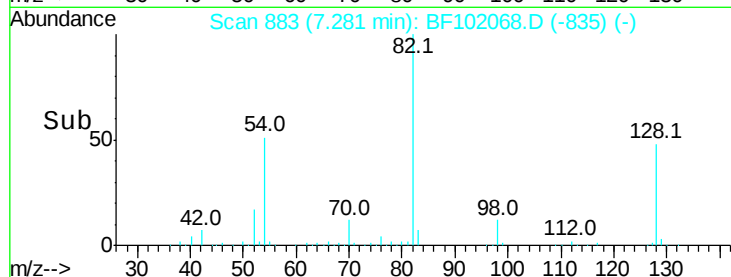
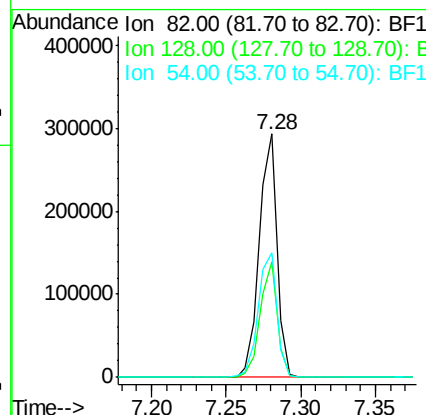
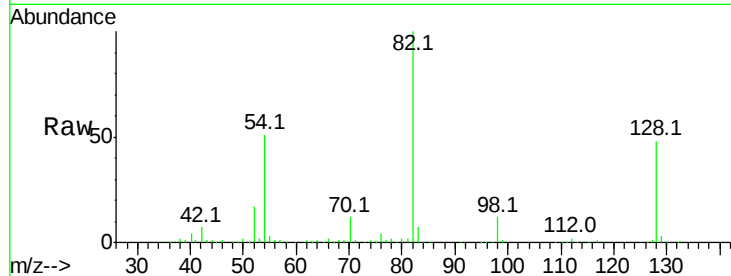




#23
 Nitrobenzene-d5
 Concen: 15.595 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF102068.D
 Acq: 15 Jan 2018 17:41

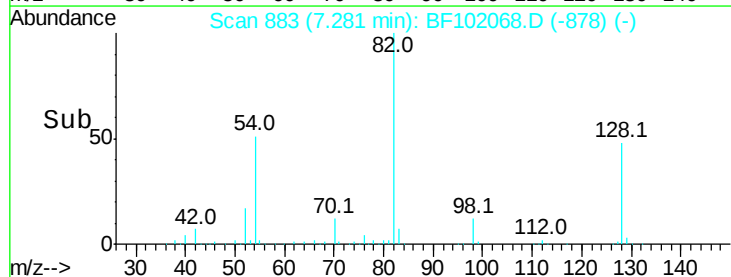
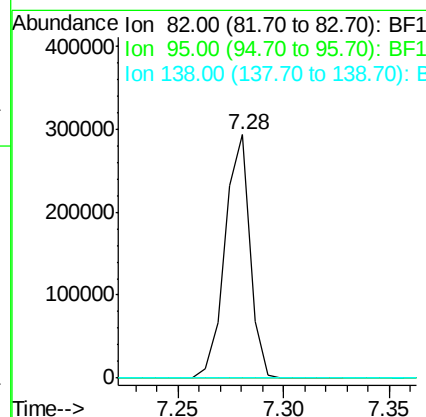
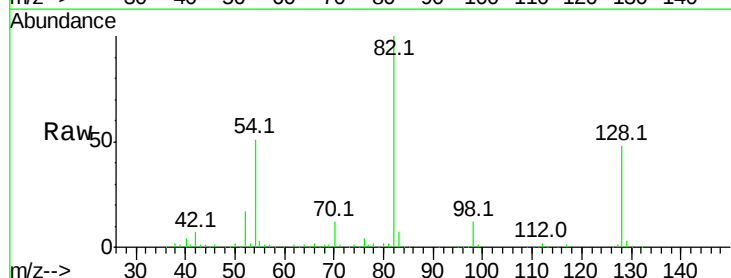
Instrument :
 BNA_F
 ClientSampleId :

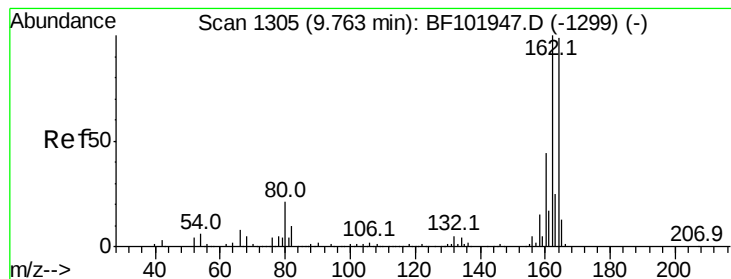
Tot Ion	82	Resp	241329
Ion Ratio	Lower	Upper	
82	100		
128	47.7	36.1	54.1
54	51.1	41.4	62.2



#25
 Isophorone
 Concen: 7.772 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.27 min
 Lab File: BF102068.D
 Acq: 15 Jan 2018 17:41

Tgt Ion	82	Resp	237640
Ion Ratio	Lower	Upper	
82	100		
95	0.3	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. -0.01 min

Lab File: BF102068.D

Acq: 15 Jan 2018 17:41

Instrument :

BNA_F

ClientSampleId :

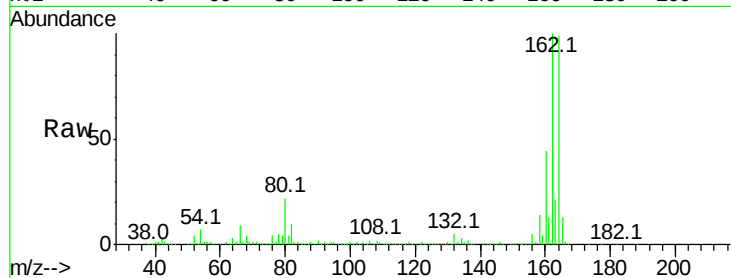
Tot Ion:164 Resp: 390182

Ion Ratio Lower Upper

164 100

162 101.2 86.1 129.1

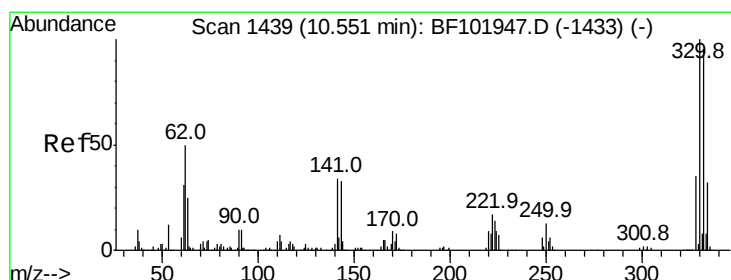
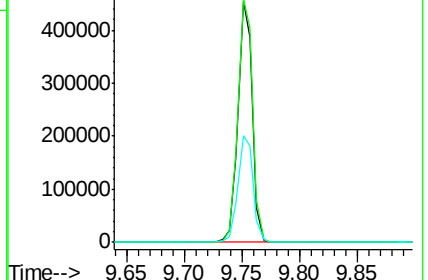
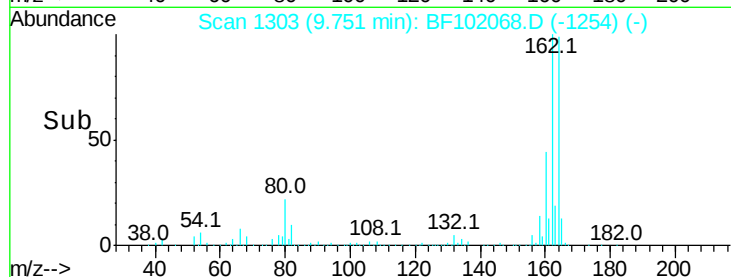
160 44.4 38.3 57.5



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: 20.807 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102068.D

Acq: 15 Jan 2018 17:41

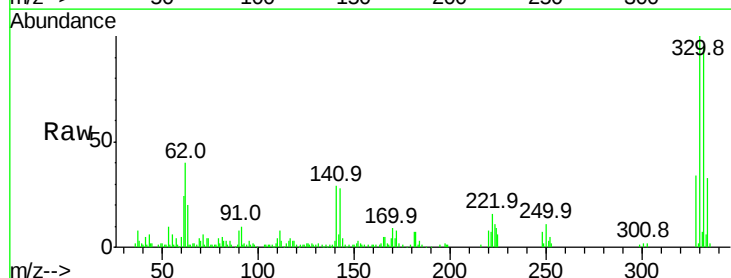
Tgt Ion:330 Resp: 70848

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

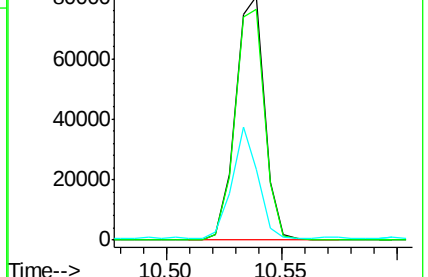
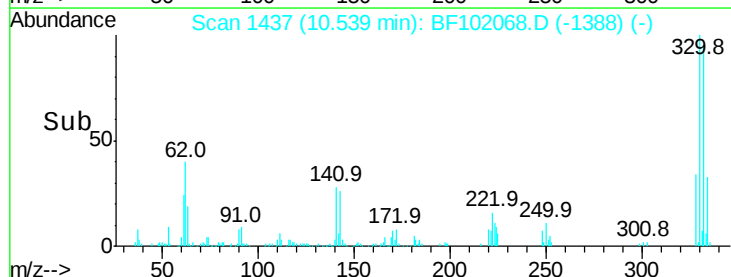
141 40.6 29.9 44.9

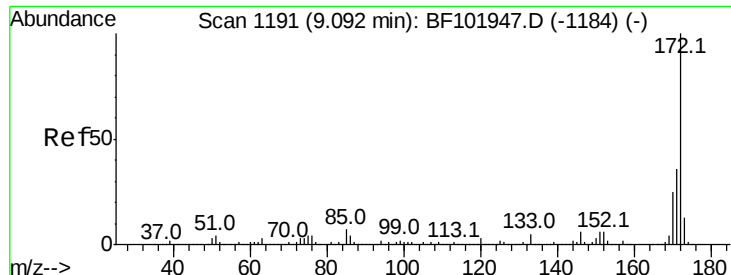


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

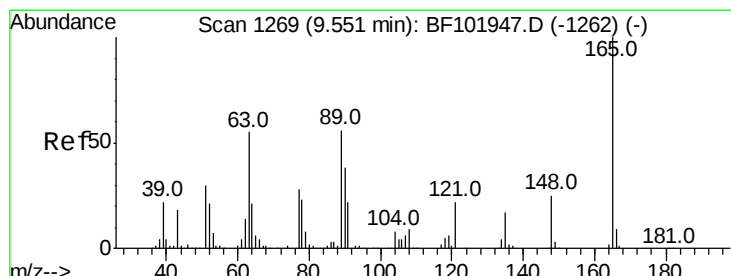
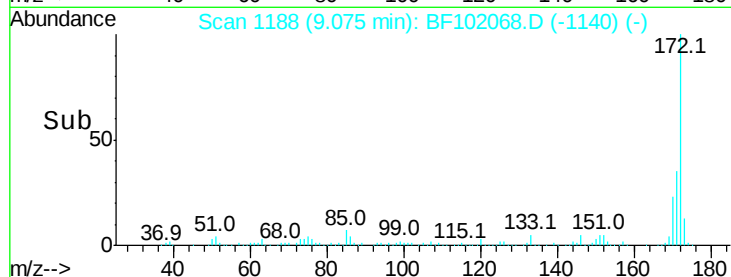
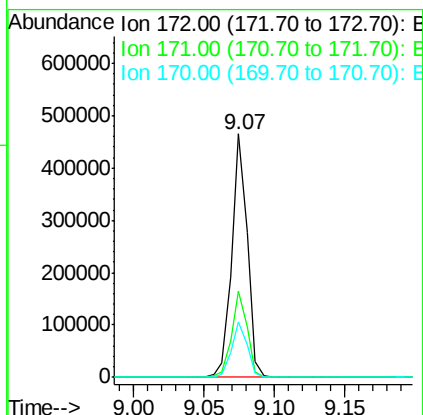
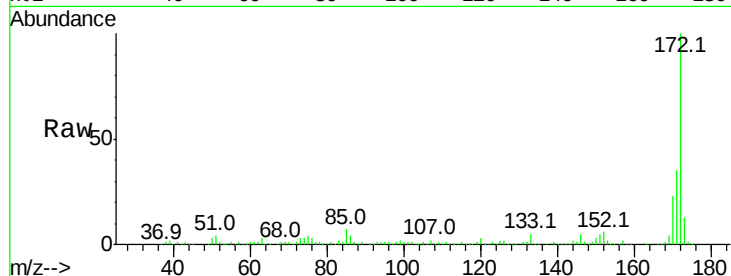




#44
 2-Fluorobiphenyl
 Concen: 14.258 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF102068.D
 Acq: 15 Jan 2018 17:41

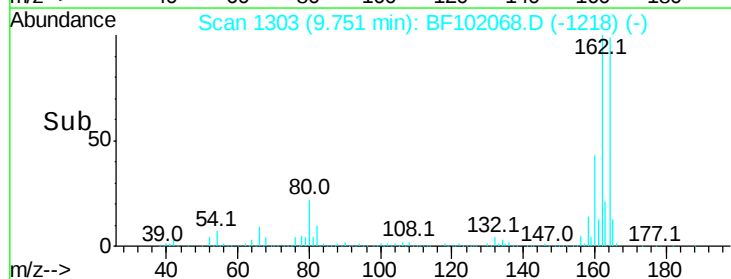
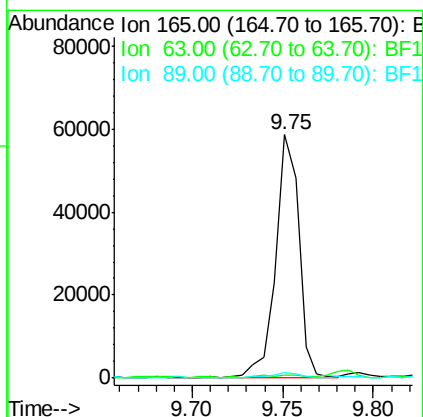
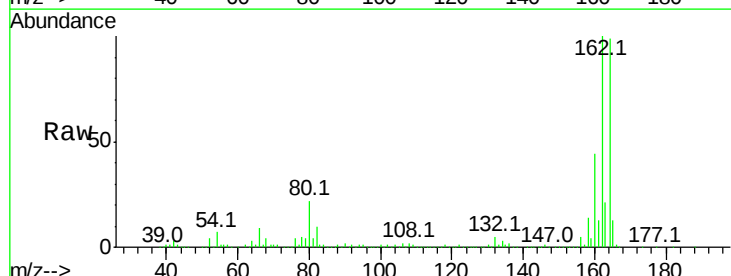
Instrument :
 BNA_F
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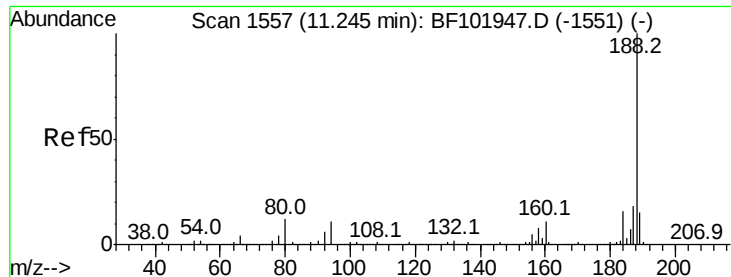
Tot Ion:172 Resp: 356088
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 23.0 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 8.372 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.20 min
 Lab File: BF102068.D
 Acq: 15 Jan 2018 17:41

Tgt Ion:165 Resp: 52345
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 2.3 44.0 66.0#

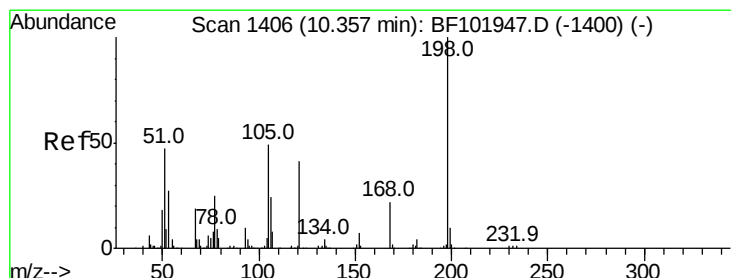
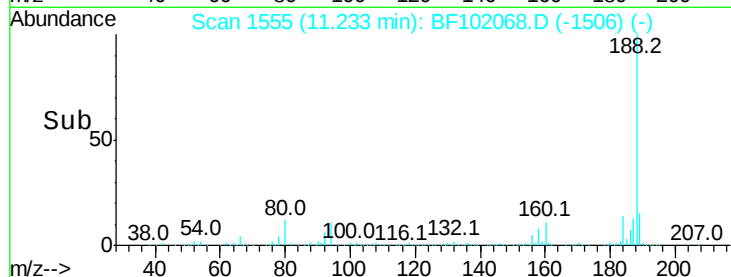
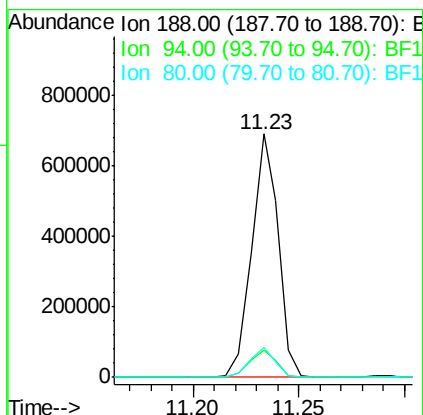
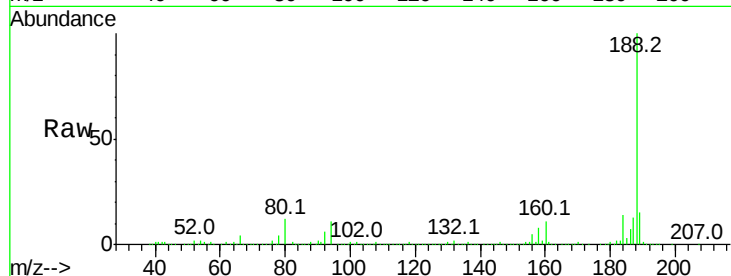




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

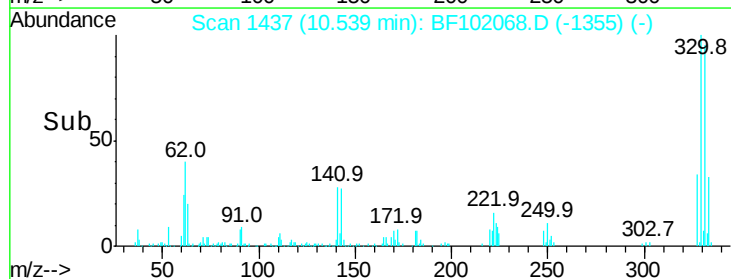
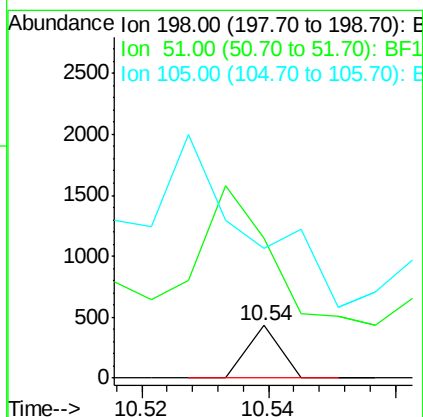
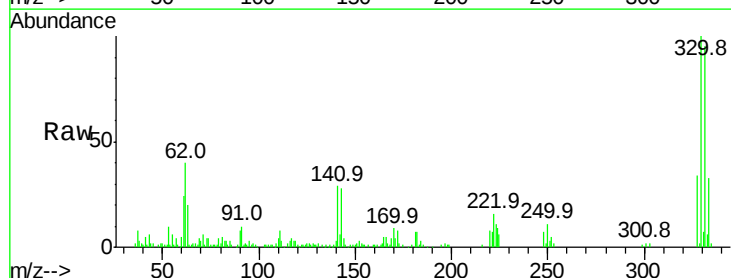
Instrument :
BNA_F
ClientSampleId :

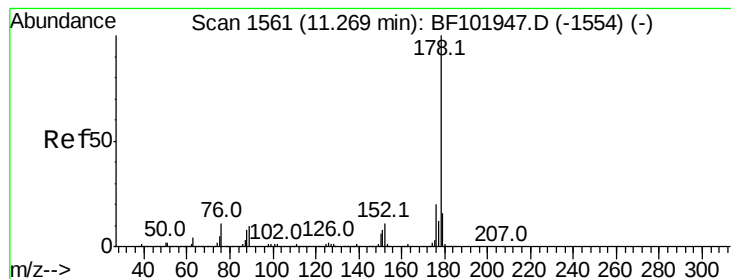
Tot Ion:188 Resp: 601277
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 12.2 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.704 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Tgt Ion:198 Resp: 153
Ion Ratio Lower Upper
198 100
51 266.3 37.7 77.7#
105 246.9 36.3 76.3#





#70

Phenanthrene

Concen: 6.326 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102068.D

Acq: 15 Jan 2018 17:41

Instrument :

BNA_F

ClientSampleId :

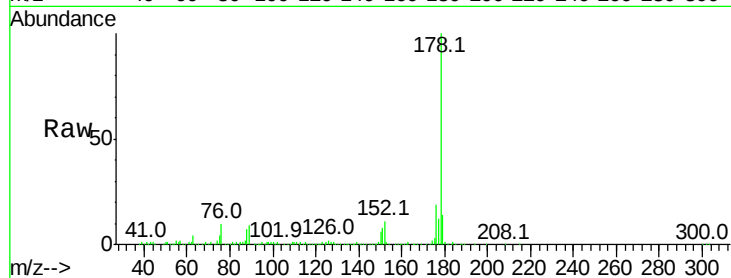
Tot Ion:178 Resp: 222173

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

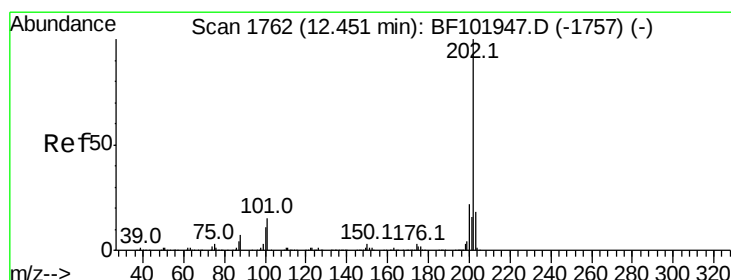
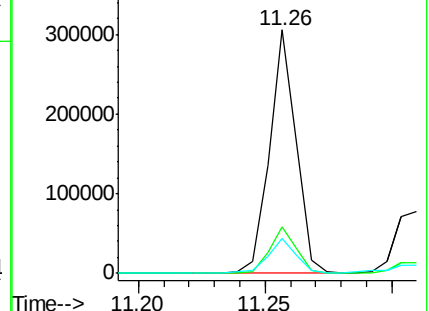
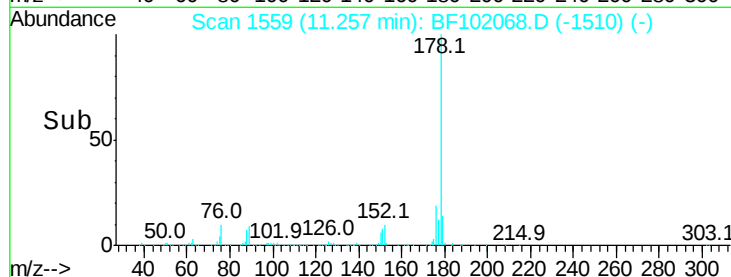
179 14.3 13.0 19.6



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: 7.879 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102068.D

Acq: 15 Jan 2018 17:41

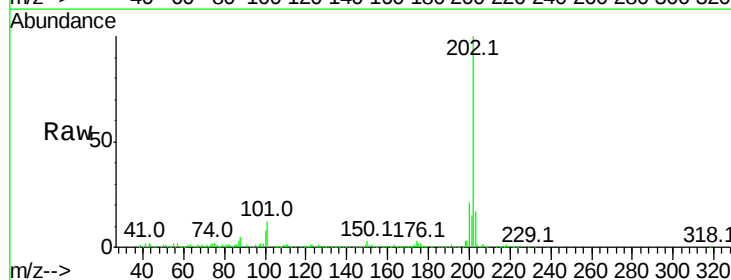
Tgt Ion:202 Resp: 272262

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

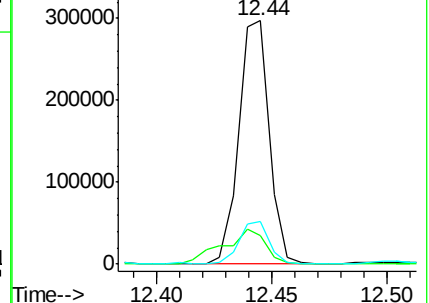
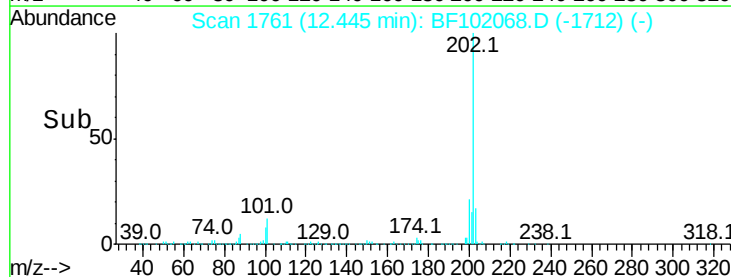
203 17.3 0.0 38.1

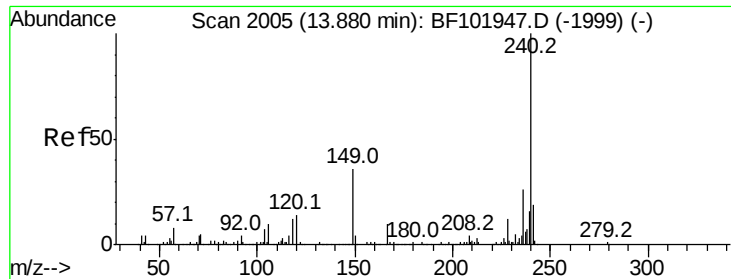


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

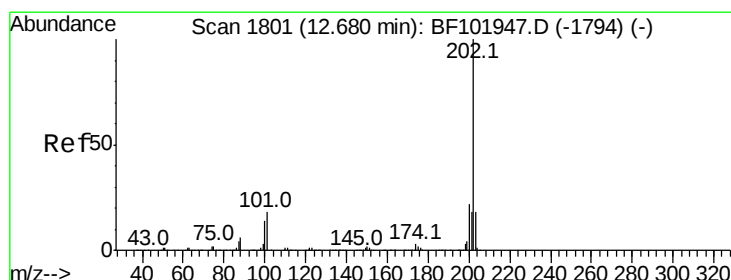
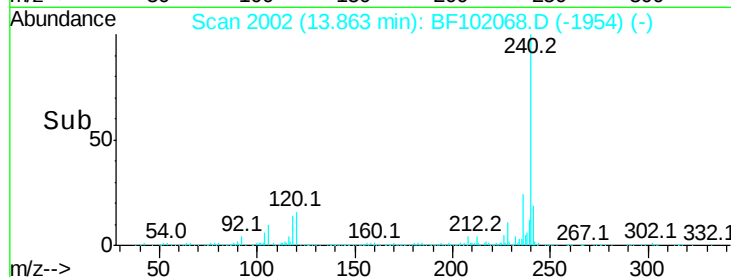
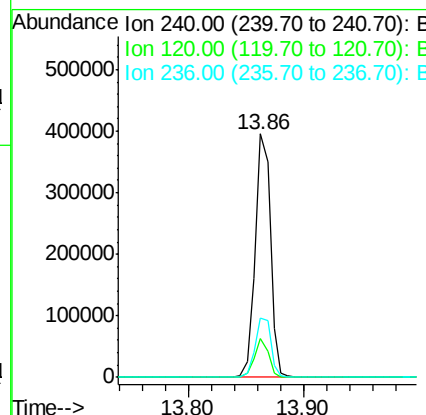
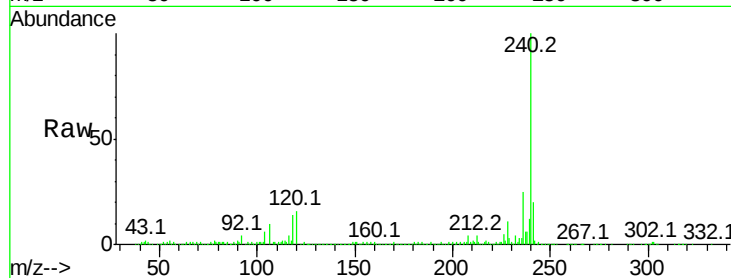




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

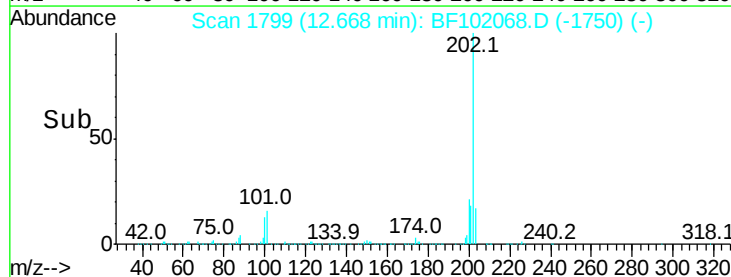
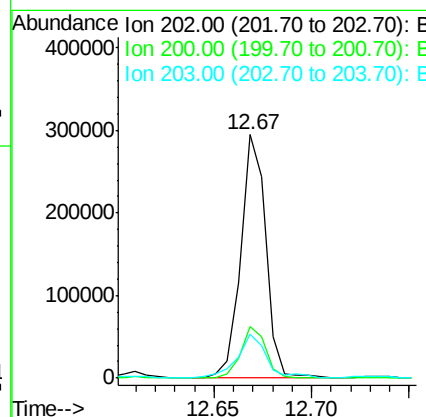
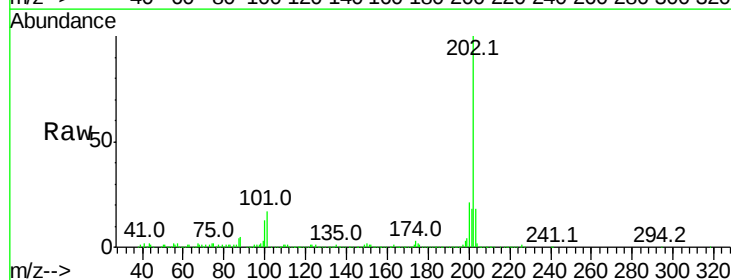
Instrument :
BNA_F
ClientSampleId :

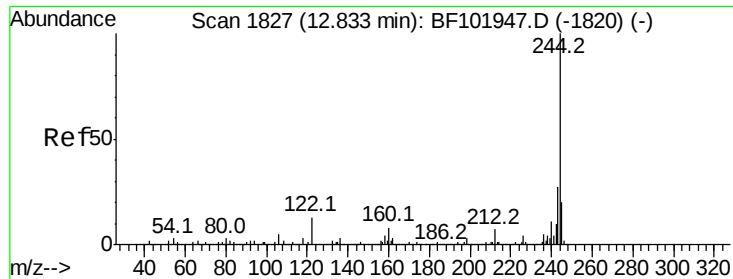
Tot Ion:240 Resp: 364841
Ion Ratio Lower Upper
240 100
120 16.0 9.5 14.3#
236 24.6 20.7 31.1



#77
Pyrene
Concen: 8.087 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Tgt Ion:202 Resp: 260803
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 17.9 14.3 21.5





#78

Terphenyl-d14

Concen: 12.530 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF102068.D

Acq: 15 Jan 2018 17:41

Instrument :

BNA_F

ClientSampleId :

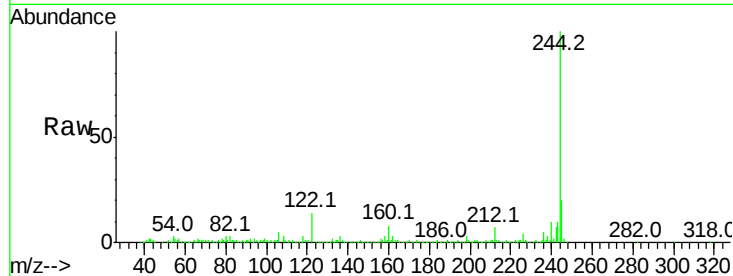
Tot Ion:244 Resp: 220178

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

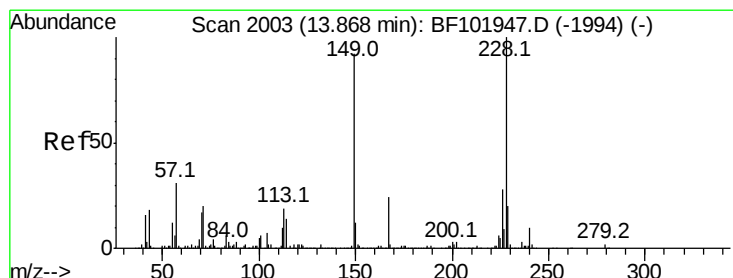
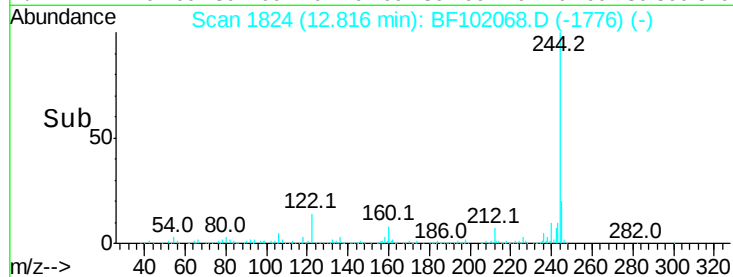
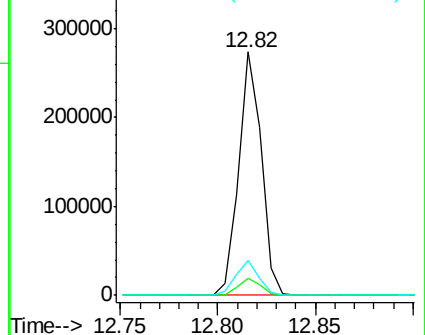
122 14.3 11.0 16.4



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: 4.781 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.02 min

Lab File: BF102068.D

Acq: 15 Jan 2018 17:41

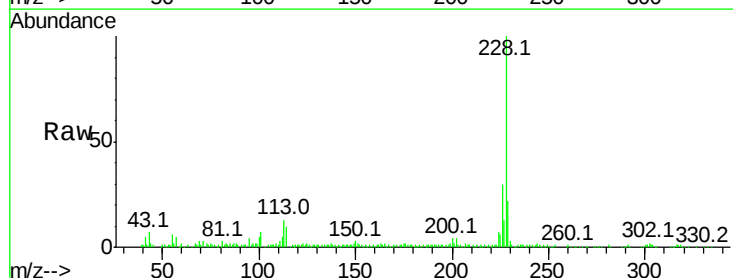
Tgt Ion:228 Resp: 111300

Ion Ratio Lower Upper

228 100

226 30.0 22.6 33.8

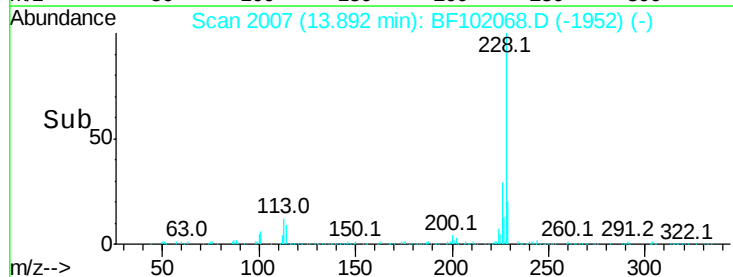
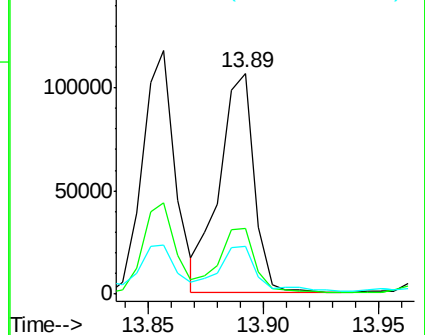
229 21.7 15.8 23.6

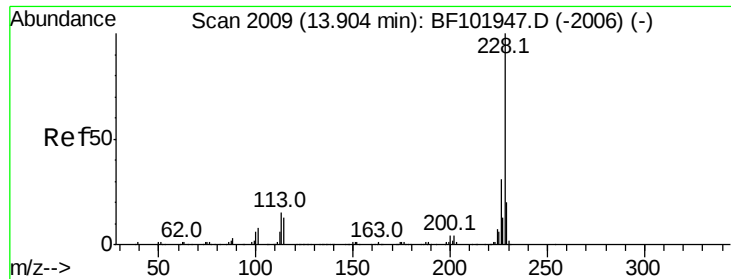


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

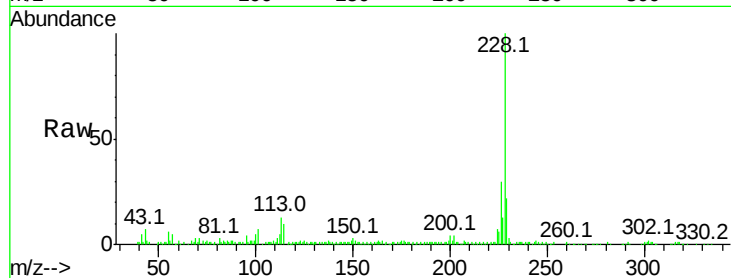




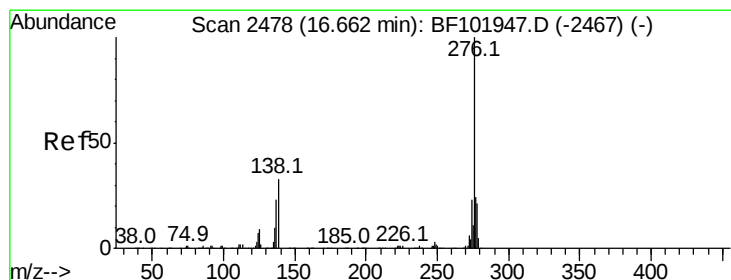
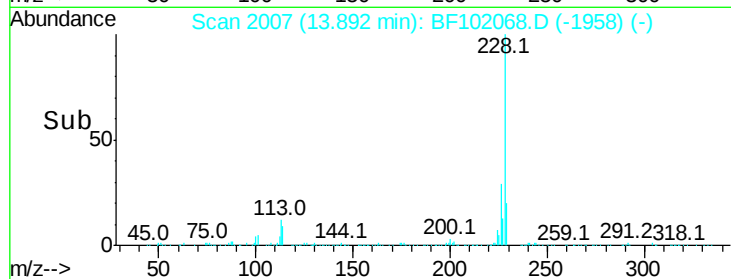
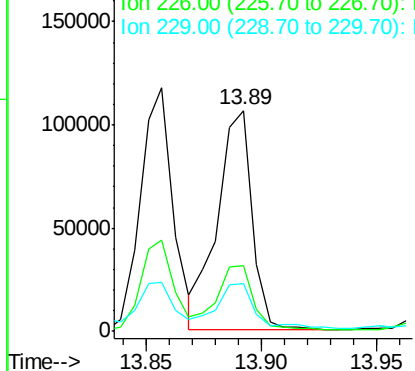
#82
Chrysene
Concen: 4.585 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 111300
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 21.7 16.2 24.4

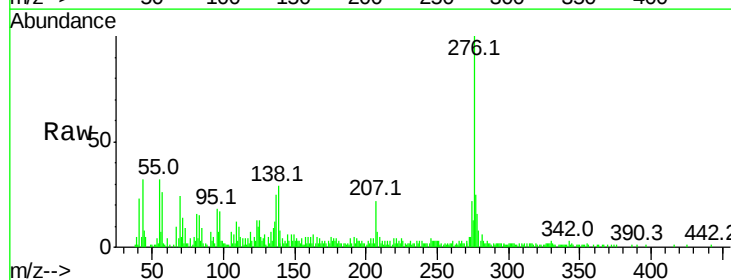


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

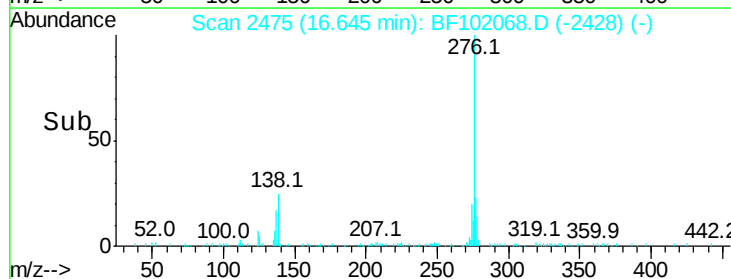
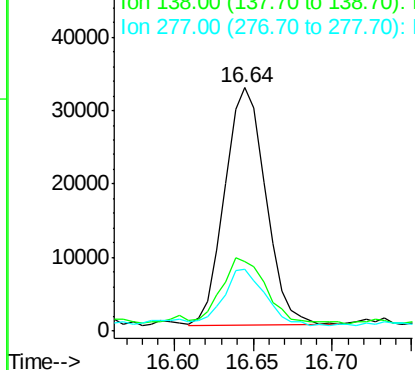


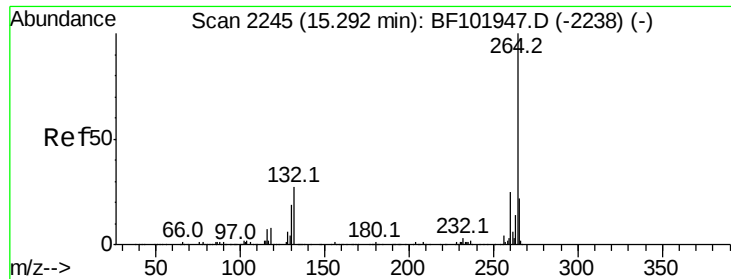
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.295 ng
RT: 16.64 min Scan# 2475
Delta R.T. -0.02 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Tgt Ion:276 Resp: 58202
Ion Ratio Lower Upper
276 100
138 30.7 25.0 37.6
277 23.4 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



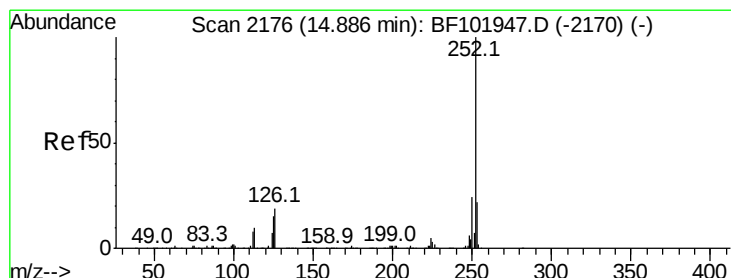
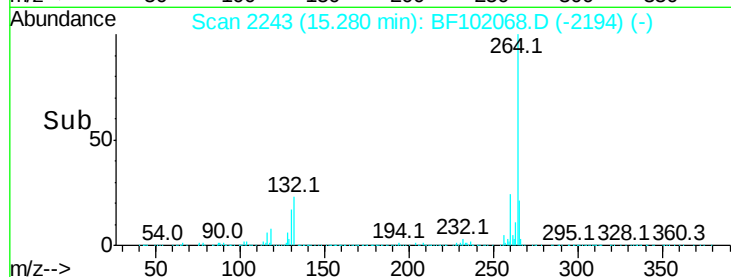
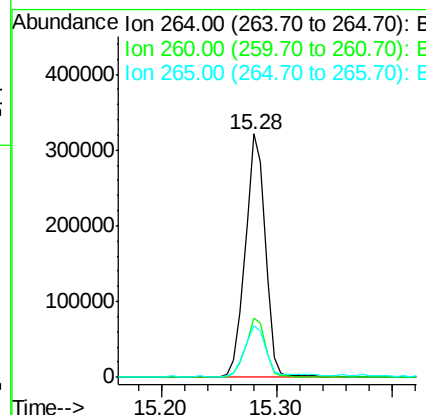
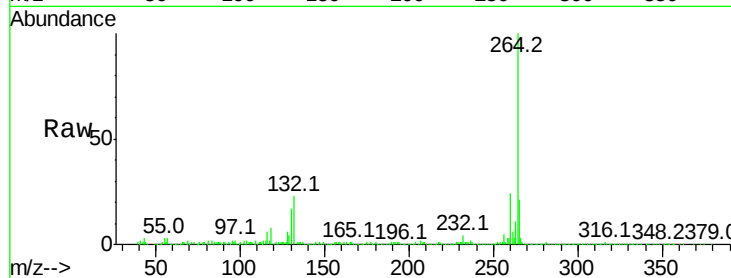


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 385789

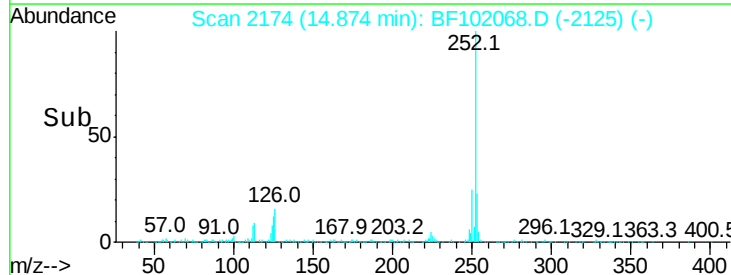
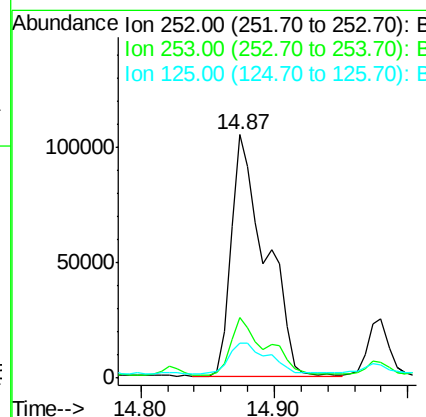
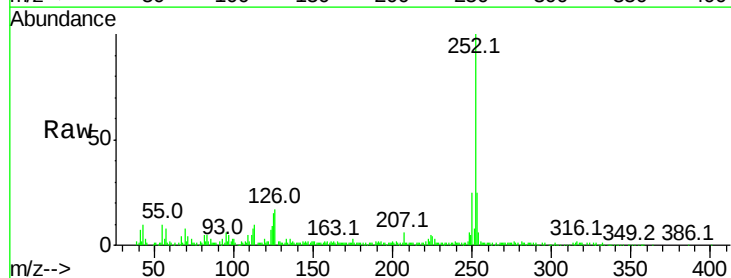
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.3	17.5	26.3

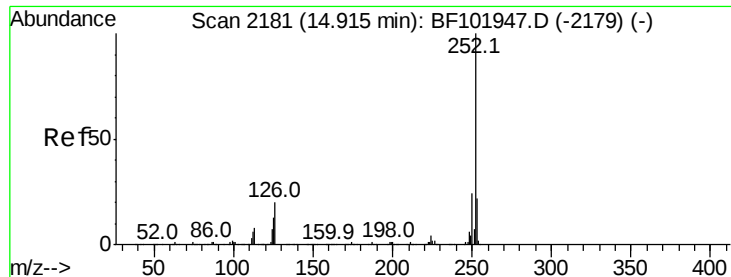


#87
Benzo(b)fluoranthene
Concen: 7.467 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Tgt Ion:252 Resp: 187824

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	14.6	9.0	13.6

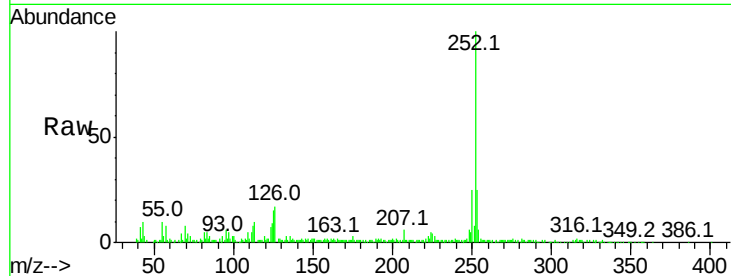




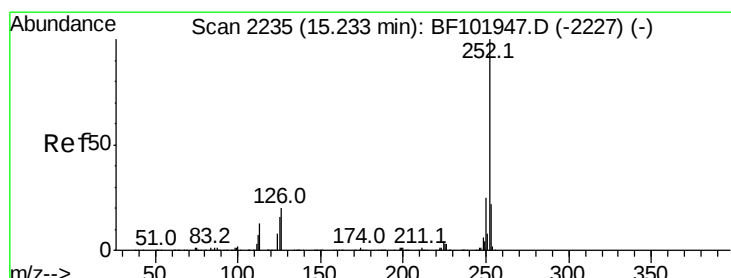
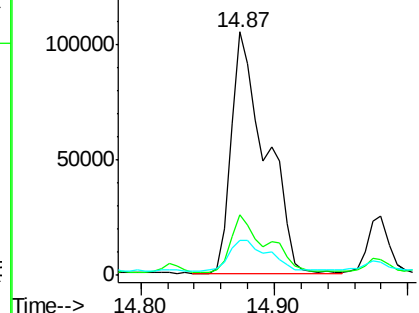
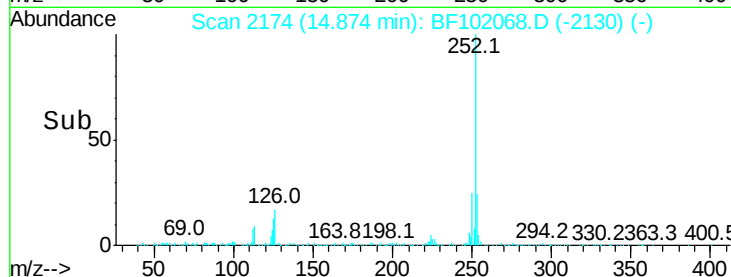
#88
Benzo(k)fluoranthene
Concen: 7.740 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.04 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	14.6	10.2	15.2

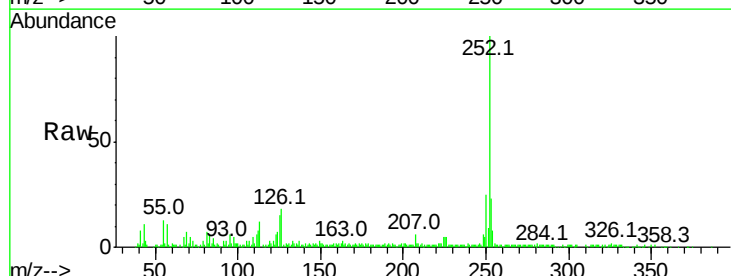


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

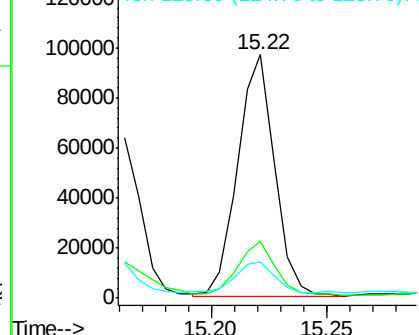
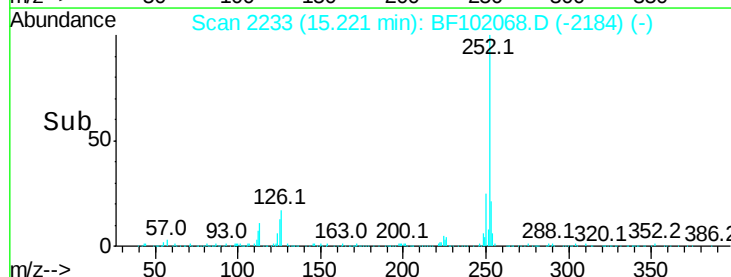


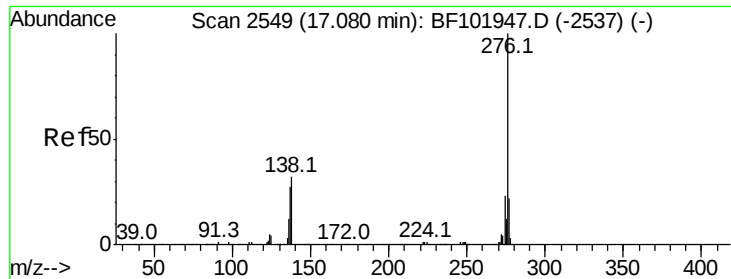
#89
Benzo(a)pyrene
Concen: 4.733 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	15.1	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

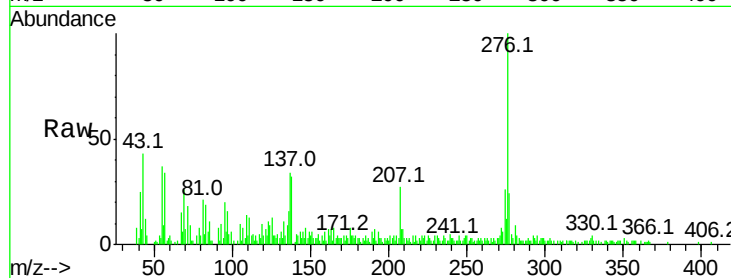




#91
 Benzo(a,h,i)perylene
 Concen: 2.895 ng
 RT: 17.06 min Scan# 2545
 Delta R.T. -0.03 min
 Lab File: BF102068.D
 Acq: 15 Jan 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	32.2	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

