

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
 Data File : BF103962.D
 Acq On : 27 Mar 2018 8:34
 Operator : JU/SJ
 Sample : J2040-03 10X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 27 11:52:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	131006	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	527765	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	235254	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	382580	20.00	ng	0.00
75) Chrysene-d12	14.16	240	265919	20.00	ng	0.00
86) Perylene-d12	15.70	264	247146	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	88205	10.24	ng	0.00
7) Phenol-d6	6.59	99	113238	10.75	ng	-0.01
23) Nitrobenzene-d5	7.53	82	63107	8.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	23158	11.45	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	144202	9.78	ng	0.00
78) Terphenyl-d14	13.09	244	117484	10.25	ng	0.00

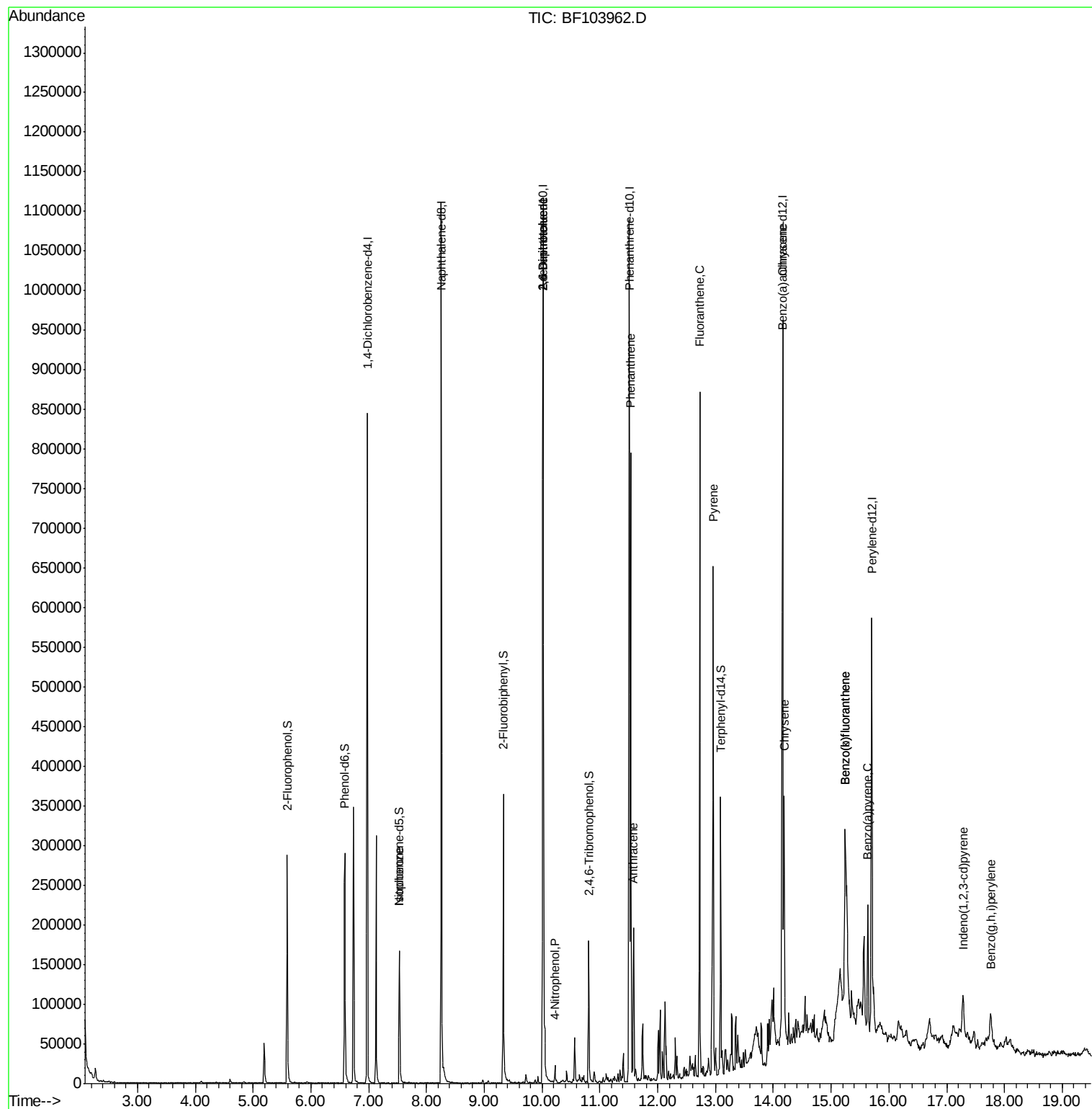
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.53	82	63106	3.602	ng	# 64
50) 2,6-Dinitrotoluene	10.02	165	29866	11.872	ng	# 25
55) 4-Nitrophenol	10.22	139	3761	6.043	ng	# 9
56) 2,4-Dinitrotoluene	10.02	165	29979	12.147	ng	# 23
70) Phenanthrene	11.53	178	265178	12.671	ng	98
71) Anthracene	11.59	178	87456	4.114	ng	97
74) Fluoranthene	12.73	202	321178	14.897	ng	98
77) Pyrene	12.96	202	254824	13.049	ng	98
80) Benzo(a)anthracene	14.15	228	125544	7.458	ng	98
82) Chrysene	14.19	228	98418	6.134	ng	95
85) Indeno(1,2,3-cd)pyrene	17.28	276	40276	2.874	ng	93
87) Benzo(b)fluoranthene	15.24	252	156871	10.047	ng	96
88) Benzo(k)fluoranthene	15.24	252	156871	10.452	ng	99
89) Benzo(a)pyrene	15.63	252	75318	5.318	ng	# 96
91) Benzo(a,h,i)perylene	17.77	276	38172	3.200	ng	# 91

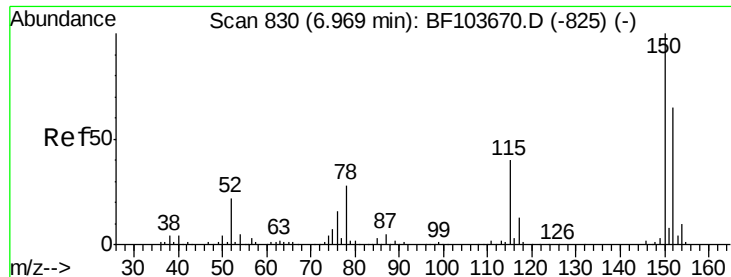
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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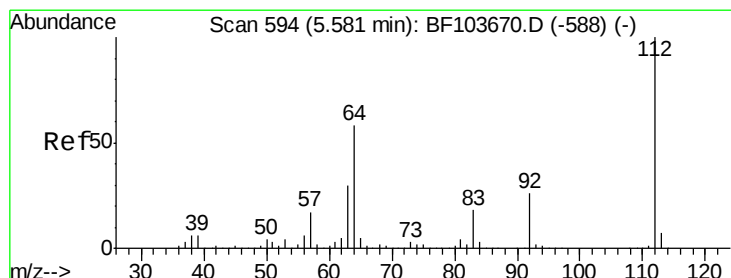
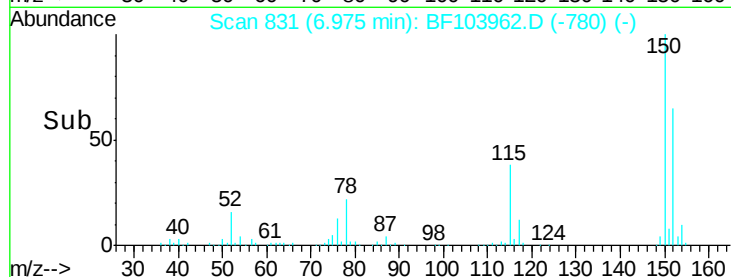
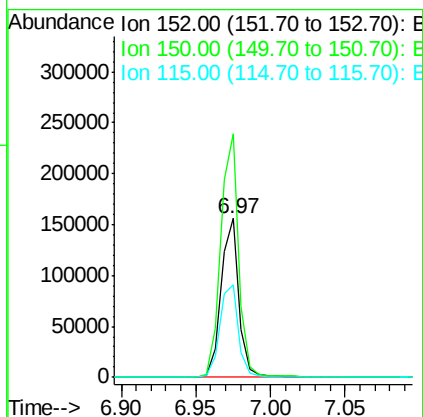
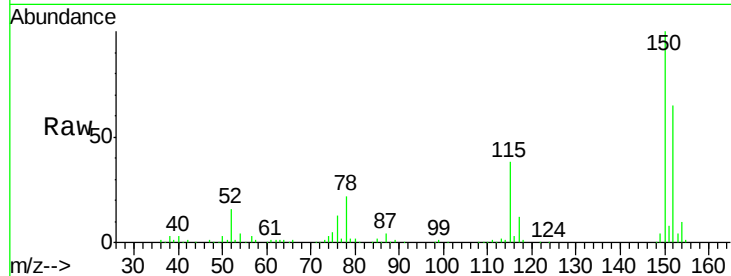


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Instrument :
BNA_F
ClientSampleId :

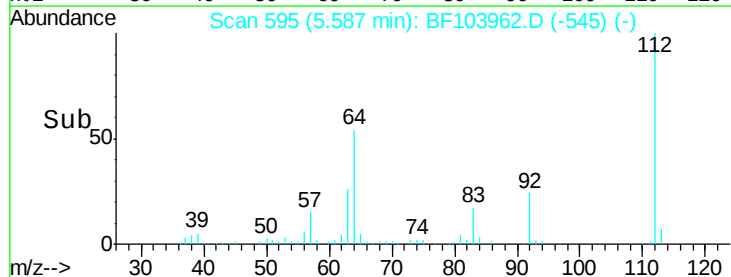
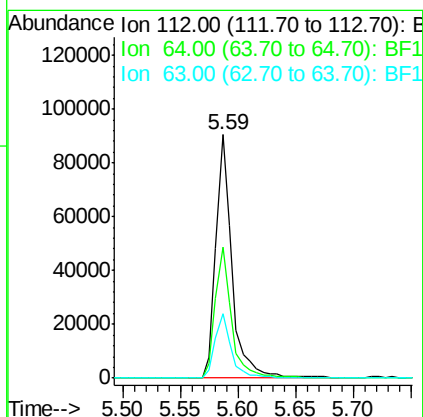
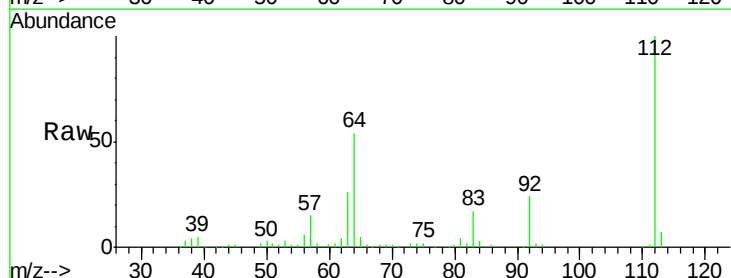
Tot Ion:152 Resp: 131006
Ion Ratio Lower Upper
152 100
150 153.2 124.6 186.8
115 58.2 50.1 75.1



#5

2-Fluorophenol
Concen: 10.241 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Tgt Ion:112 Resp: 88205
Ion Ratio Lower Upper
112 100
64 53.6 47.9 71.9
63 26.5 23.7 35.5





#7

Phenol-d6

Concen: 10.746 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103962.D

Acq: 27 Mar 2018 8:34

Instrument :

BNA_F

ClientSampleId :

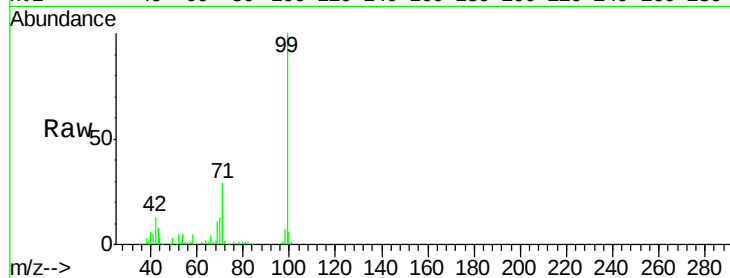
Tot Ion: 99 Resp: 113238

Ion Ratio Lower Upper

99 100

42 13.1 14.5 21.7#

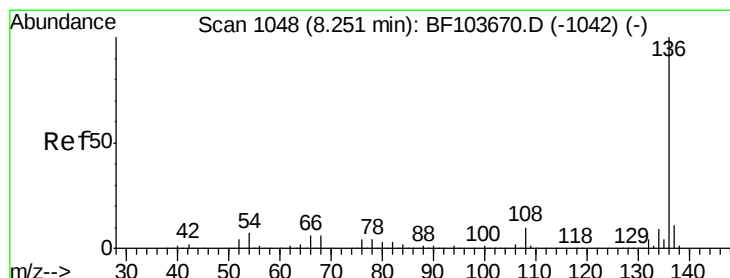
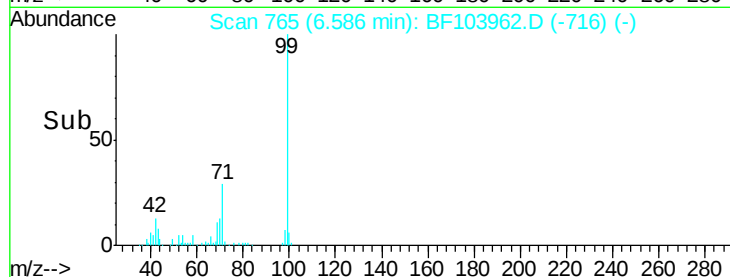
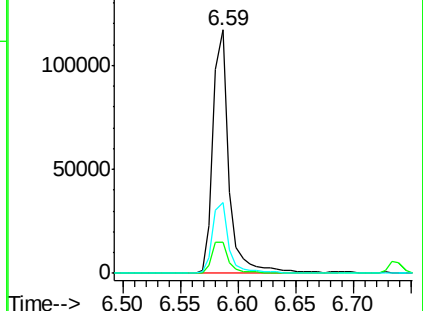
71 29.2 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF103962.D

Acq: 27 Mar 2018 8:34

Tgt Ion: 136 Resp: 527765

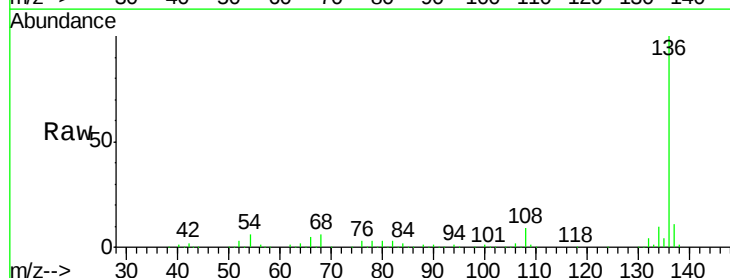
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.3 6.6 9.8#

68 5.7 5.0 7.4

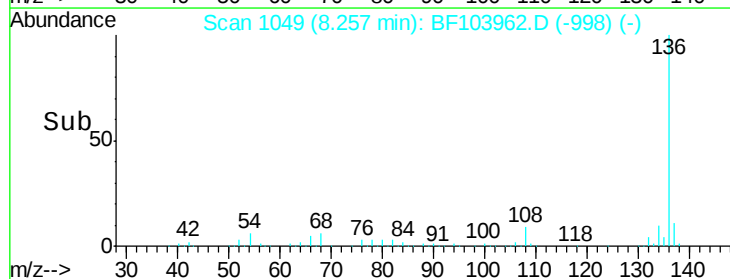
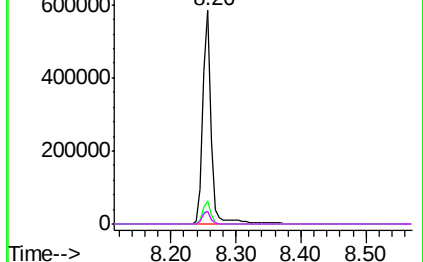


Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

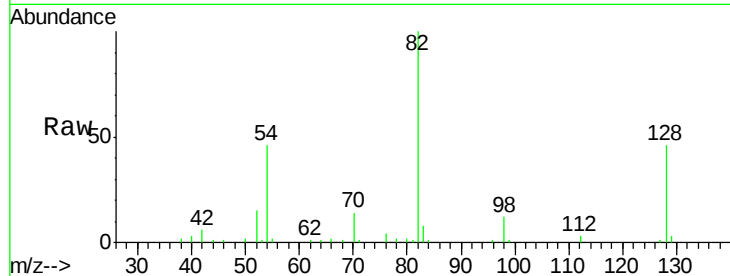




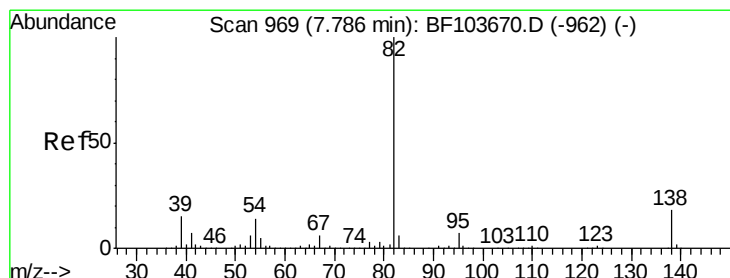
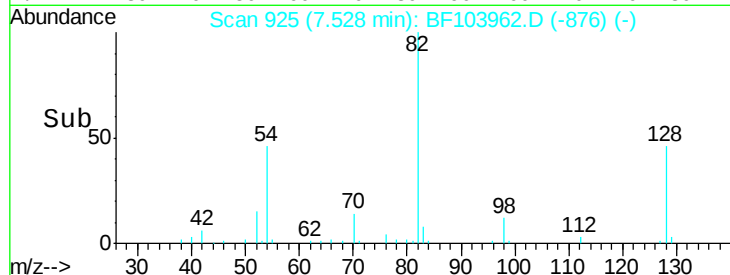
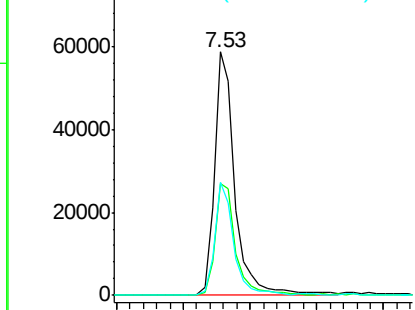
#23
Nitrobenzene-d5
Concen: 8.339 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	63107
Ion Ratio	100	Lower	Upper
128	45.8	36.1	54.1
54	46.4	41.4	62.2

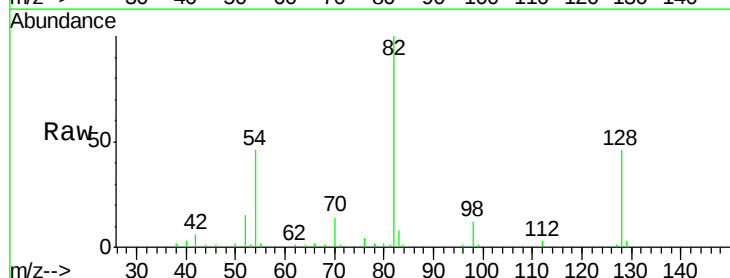


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

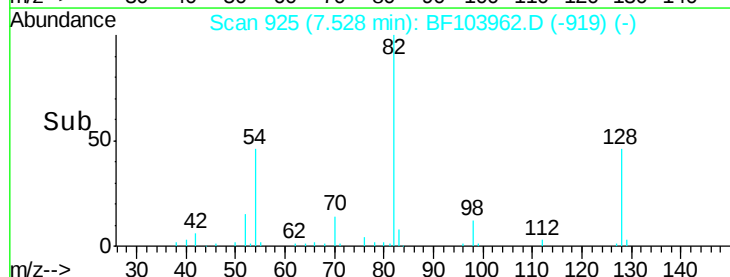
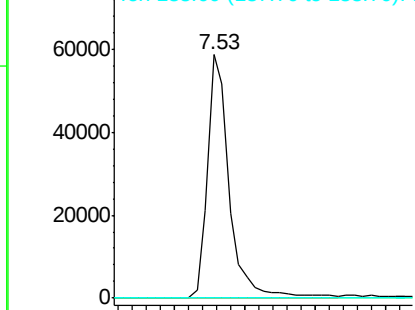


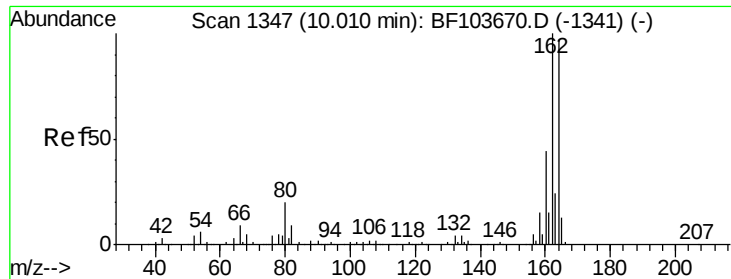
#25
Isophorone
Concen: 3.602 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.26 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Tgt Ion	82	Resp	63106
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

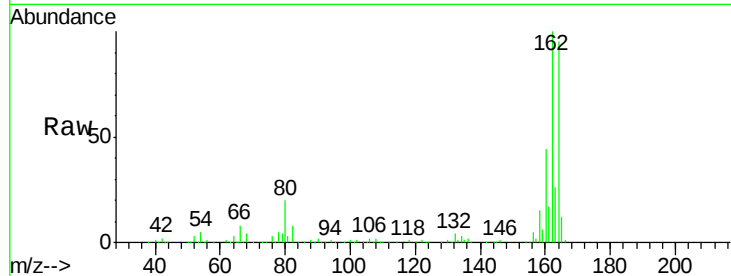




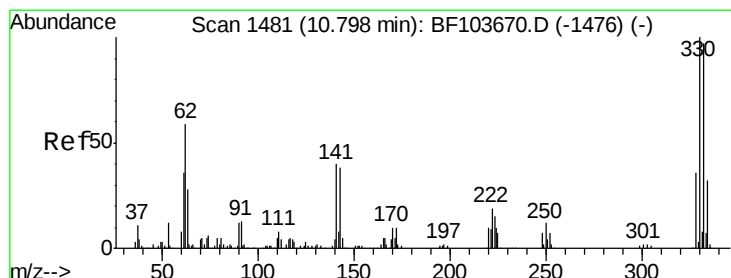
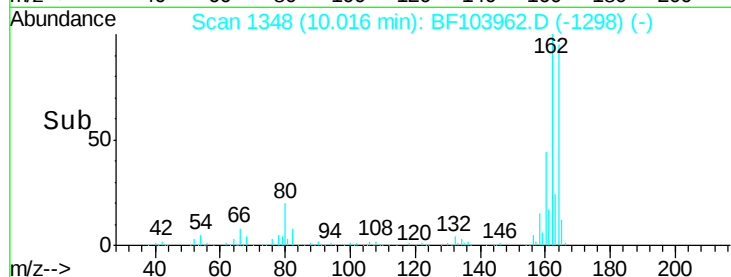
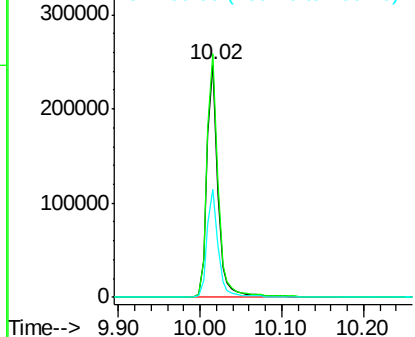
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 235254
Ion Ratio Lower Upper
164 100
162 104.7 86.1 129.1
160 46.2 38.3 57.5

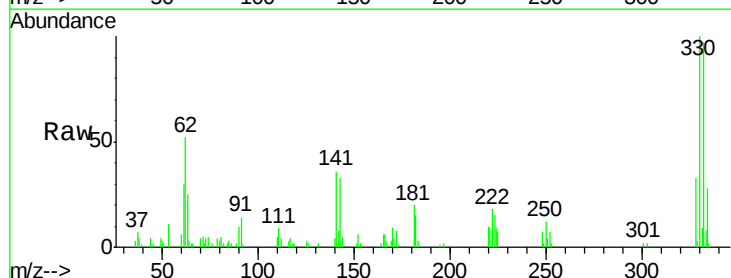


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

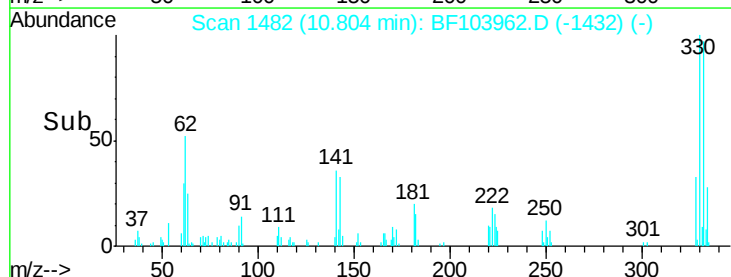
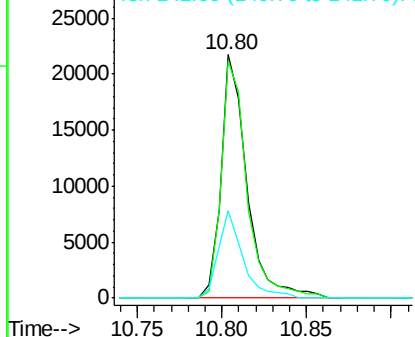


#41
2,4,6-Tribromophenol
Concen: 11.449 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Tgt Ion:330 Resp: 23158
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 34.2 29.9 44.9



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

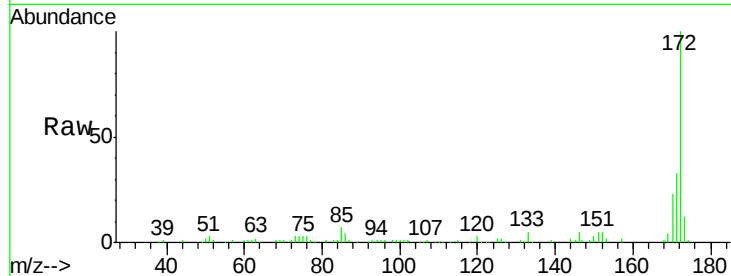




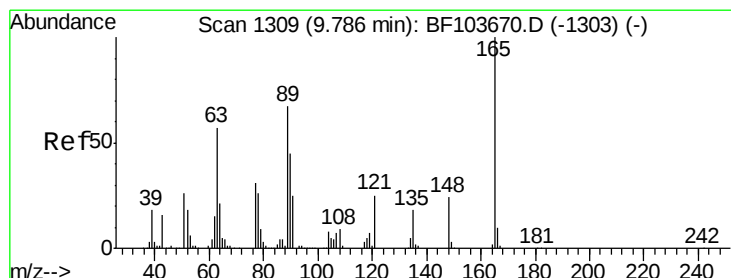
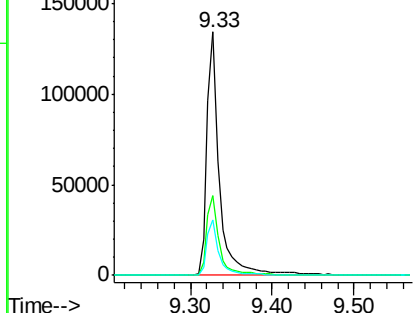
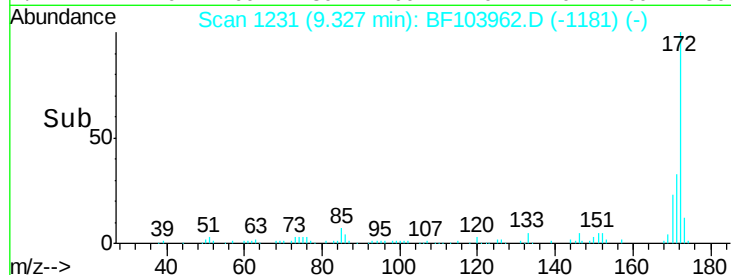
#44
2-Fluorobiphenyl
Concen: 9.778 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 144202
Ion Ratio Lower Upper
172 100
171 33.0 29.7 44.5
170 22.9 19.6 29.4

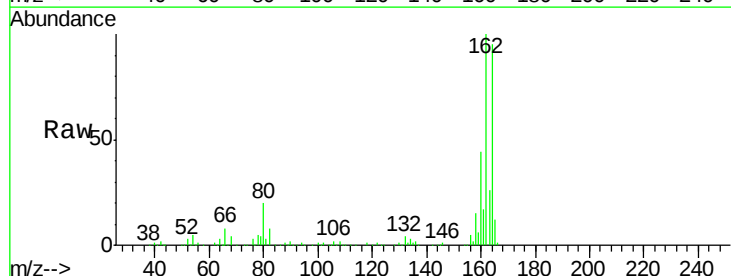


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

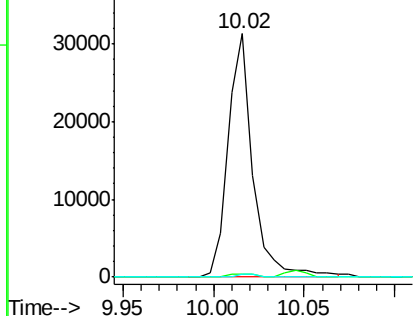
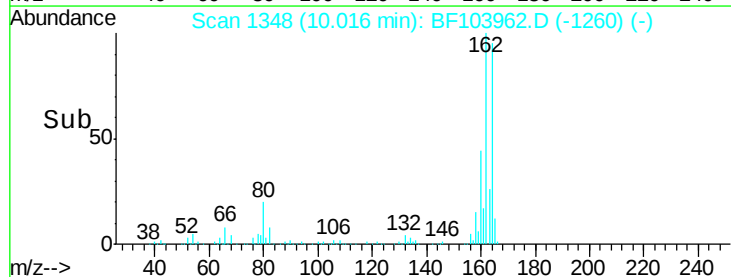


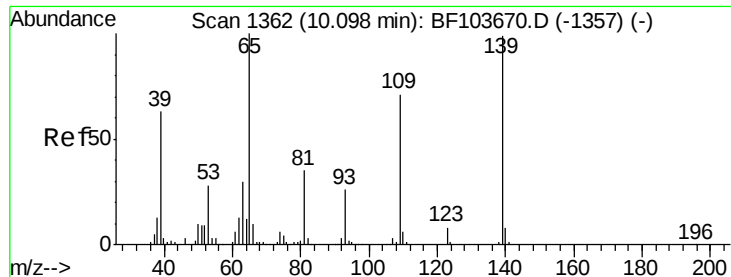
#50
2,6-Dinitrotoluene
Concen: 11.872 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.22 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Tgt Ion:165 Resp: 29866
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.3 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

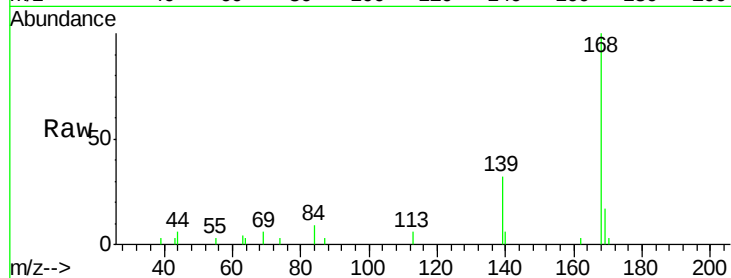




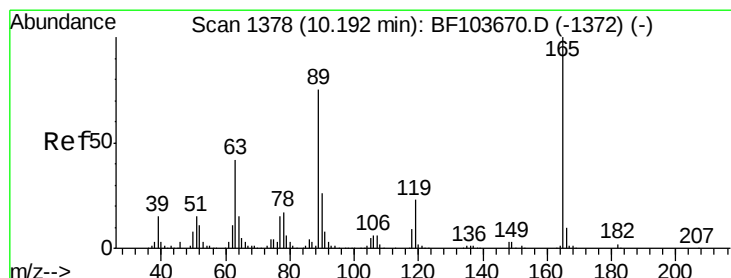
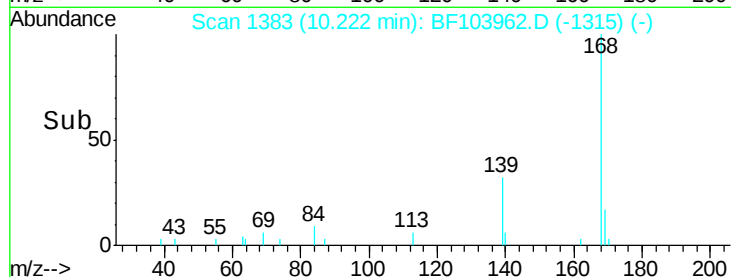
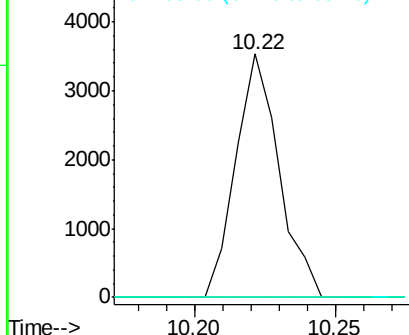
#55
4-Nitrophenol
Concen: 6.043 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.10 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 3761
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

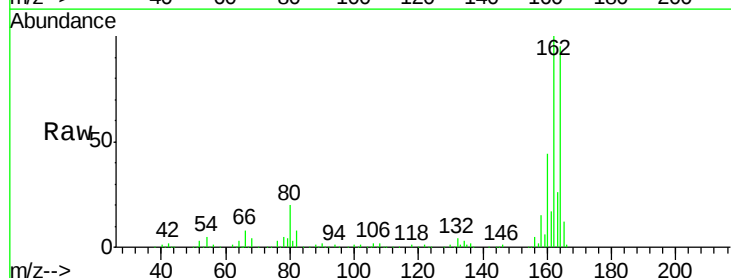


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

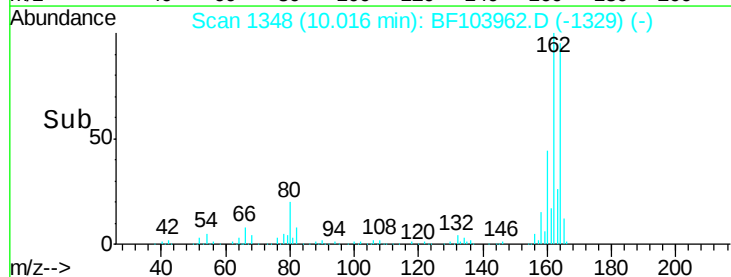
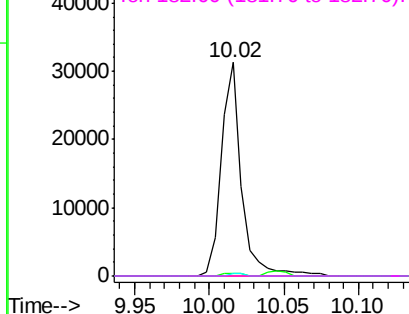


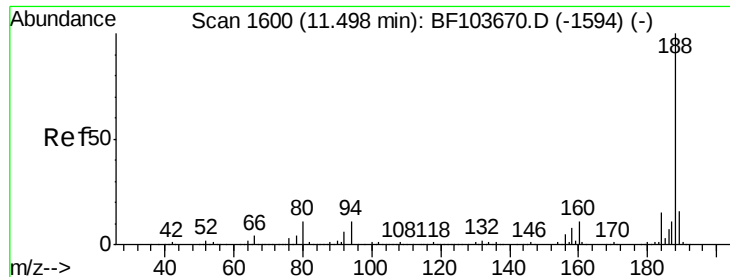
#56
2,4-Dinitrotoluene
Concen: 12.147 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.19 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Tgt Ion:165 Resp: 29979
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.3 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

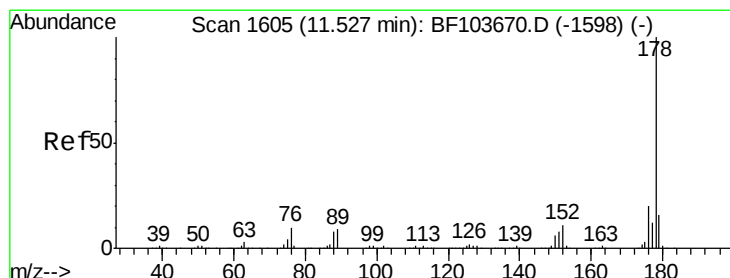
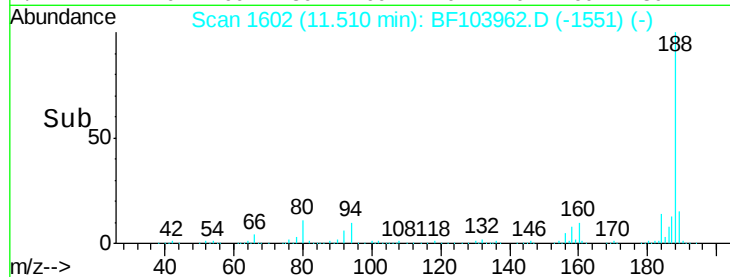
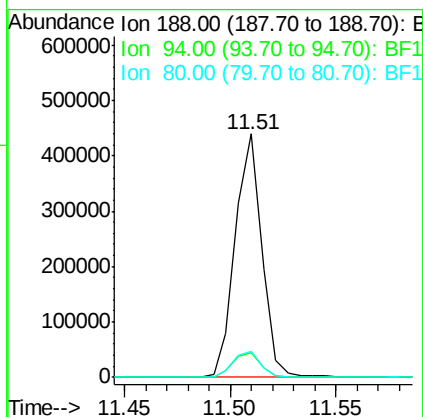
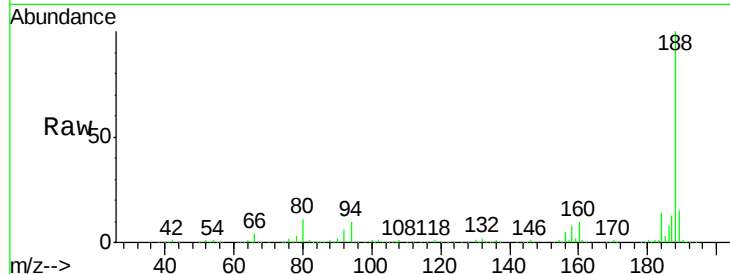




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

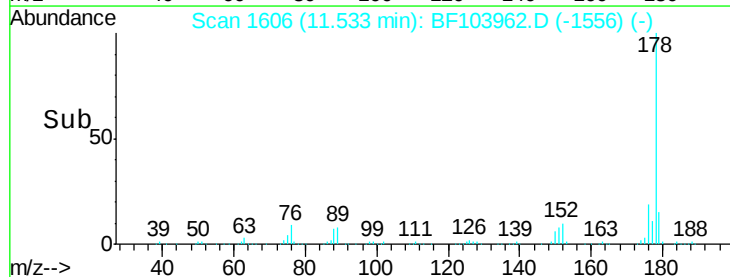
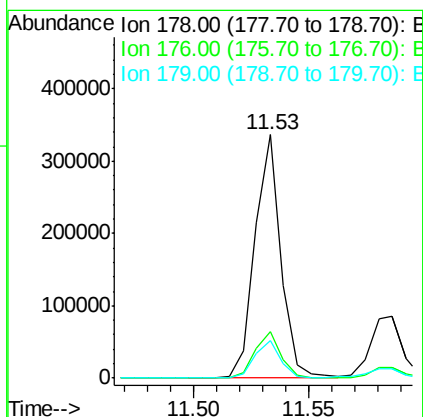
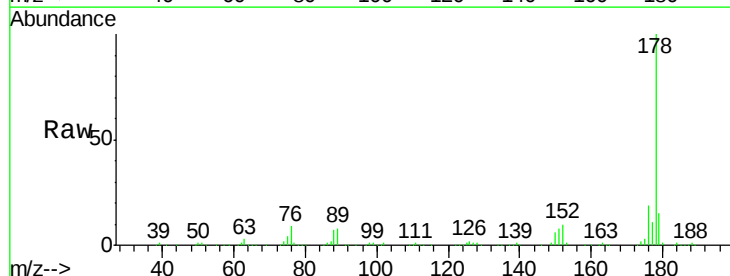
Instrument :
BNA_F
ClientSampled :

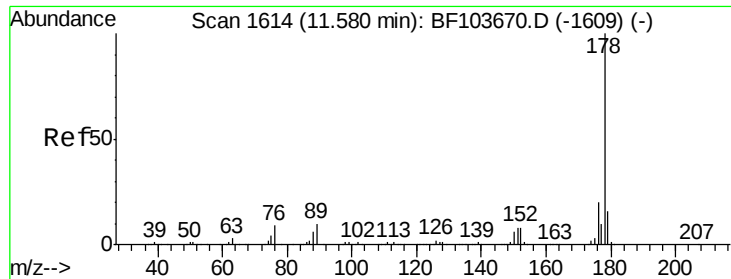
Tot Ion:188 Resp: 382580
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.9 9.2 13.8



#70
Phenanthrene
Concen: 12.671 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Tgt Ion:178 Resp: 265178
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.2 13.0 19.6

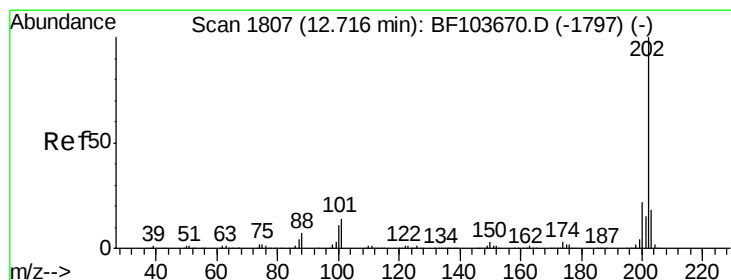
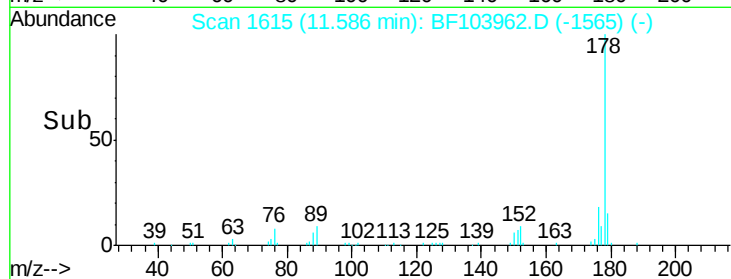
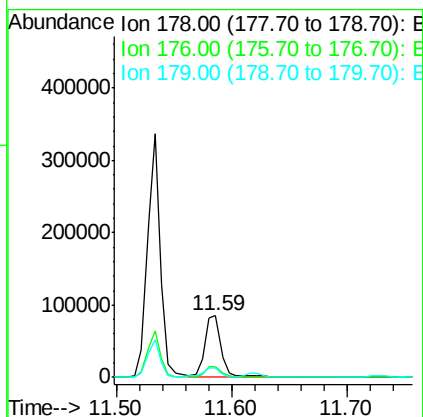
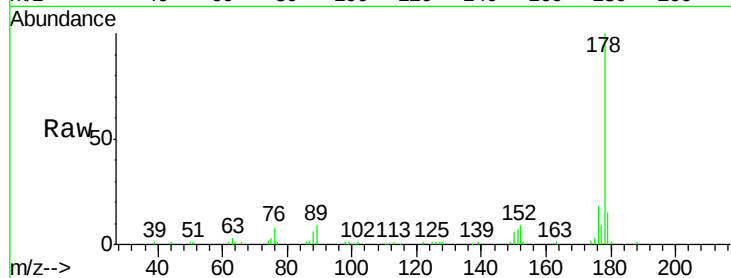




#71
 Anthracene
 Concen: 4.114 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BF103962.D
 Acq: 27 Mar 2018 8:34

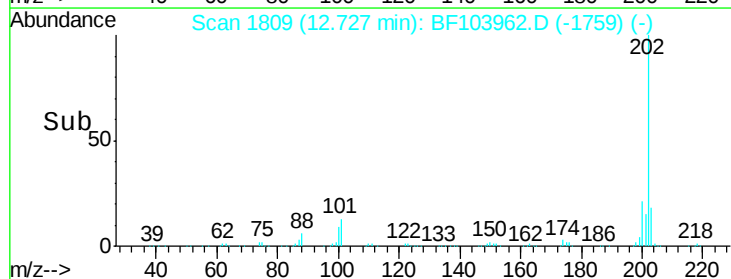
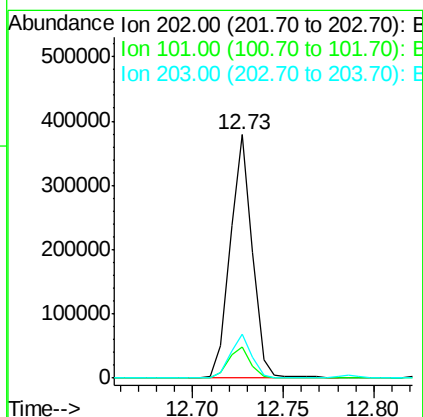
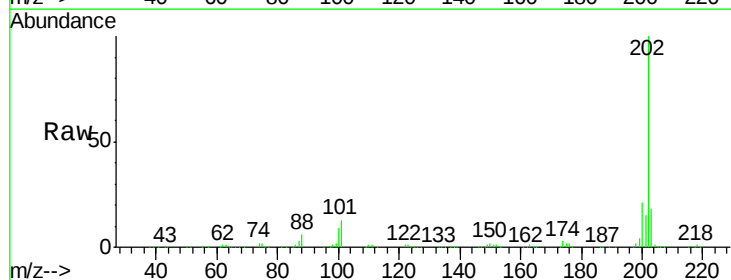
Instrument :
 BNA_F
 ClientSampleId :

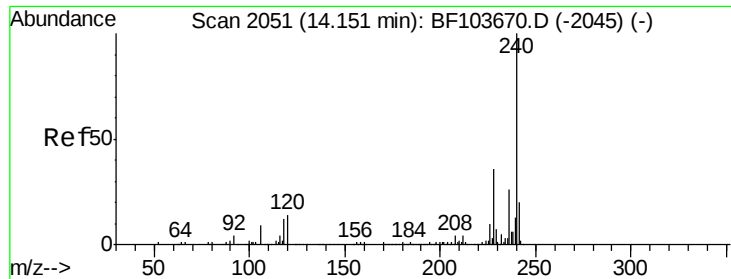
Tot Ion:178 Resp: 87456
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.2
 179 14.6 12.6 19.0



#74
 Fluoranthene
 Concen: 14.897 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. -0.01 min
 Lab File: BF103962.D
 Acq: 27 Mar 2018 8:34

Tgt Ion:202 Resp: 321178
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 34.1
 203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103962.D

Acq: 27 Mar 2018 8:34

Instrument :

BNA_F

ClientSampleId :

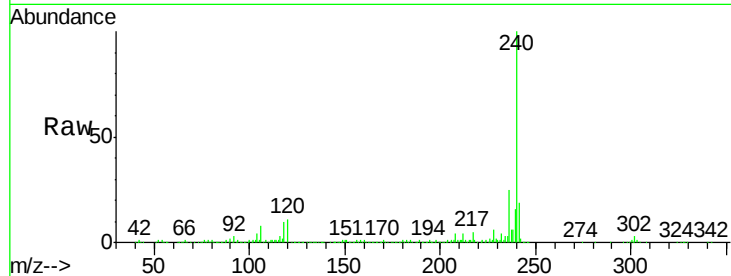
Tot Ion:240 Resp: 265919

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

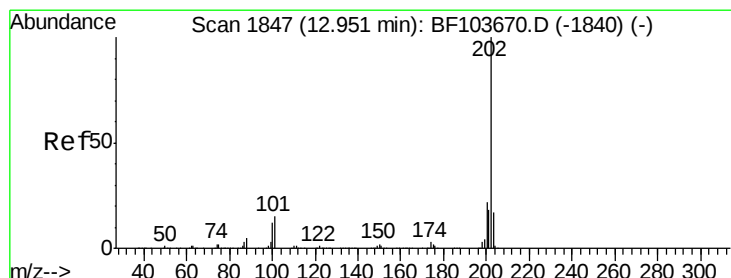
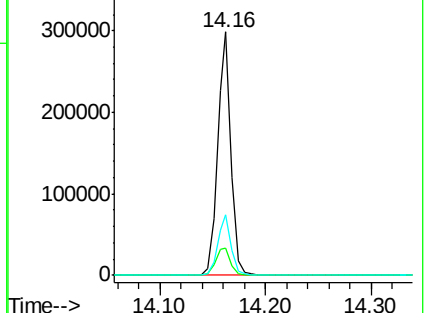
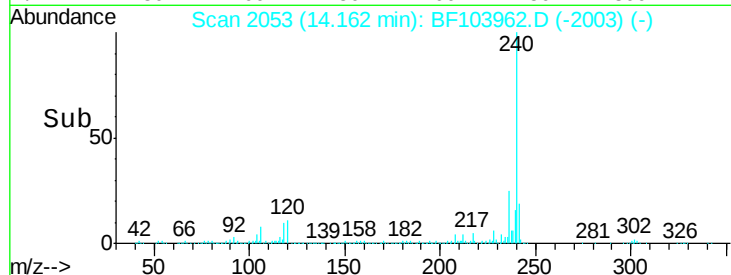
236 24.9 20.7 31.1



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: 13.049 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF103962.D

Acq: 27 Mar 2018 8:34

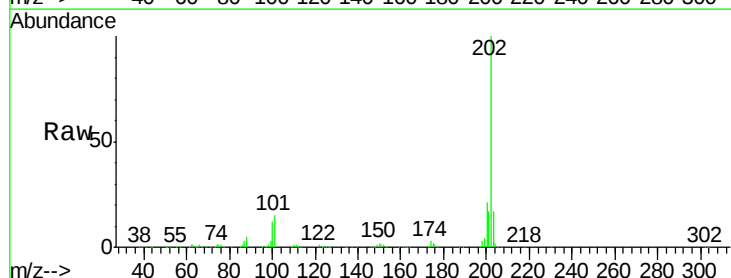
Tgt Ion:202 Resp: 254824

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

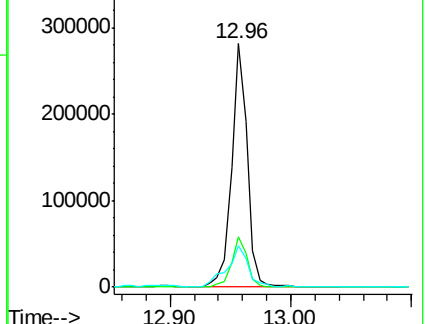
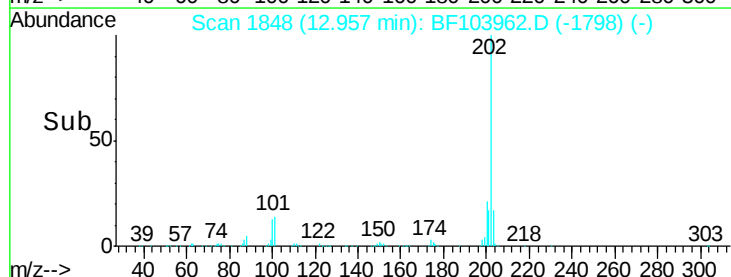
203 17.2 14.3 21.5

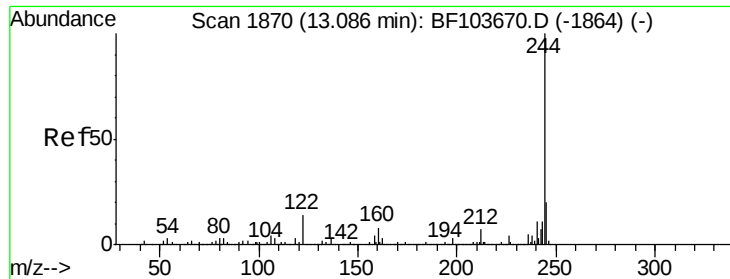


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.255 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF103962.D

Acq: 27 Mar 2018 8:34

Instrument :

BNA_F

ClientSampleId :

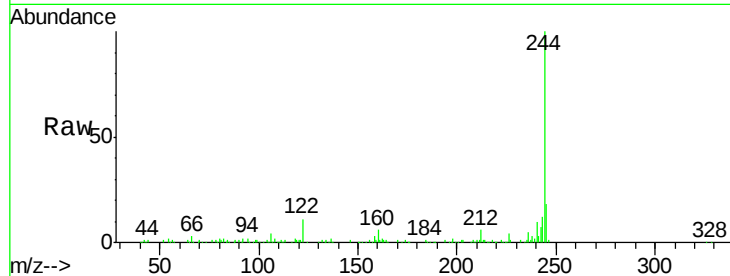
Tot Ion:244 Resp: 117484

Ion Ratio Lower Upper

244 100

212 5.9 5.4 8.0

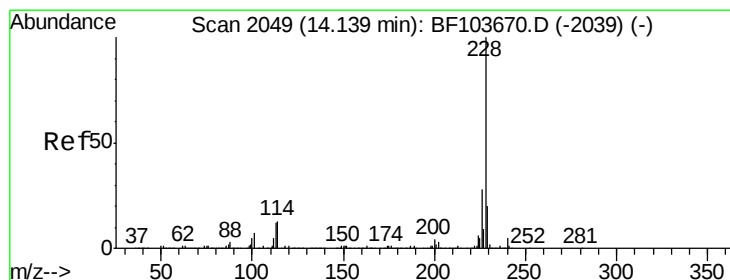
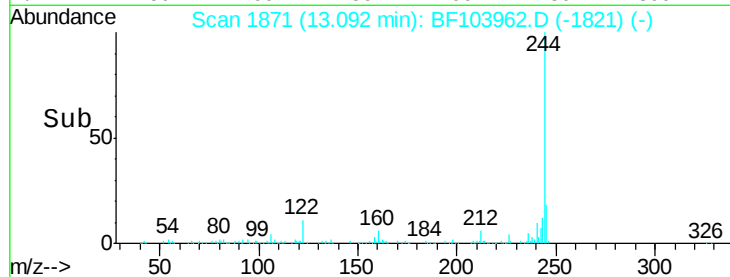
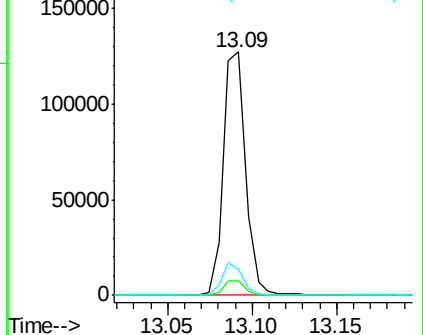
122 10.8 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 7.458 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF103962.D

Acq: 27 Mar 2018 8:34

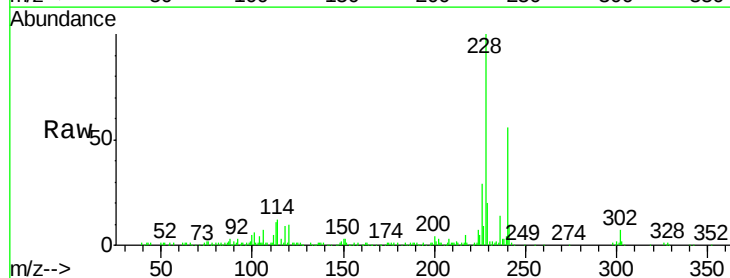
Tgt Ion:228 Resp: 125544

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

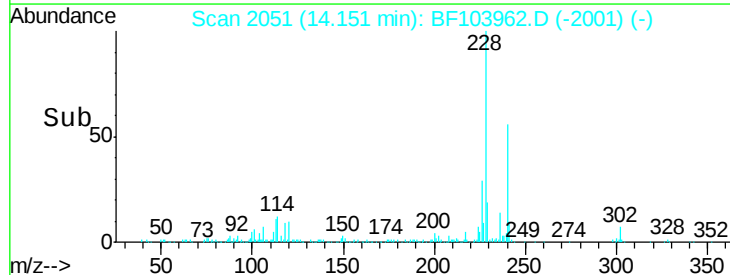
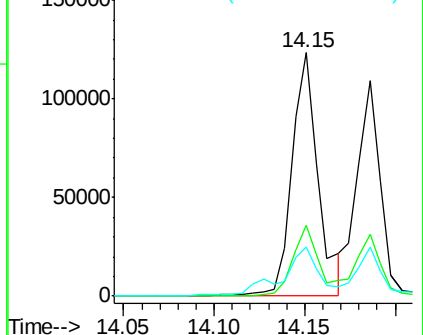
229 20.0 15.8 23.6

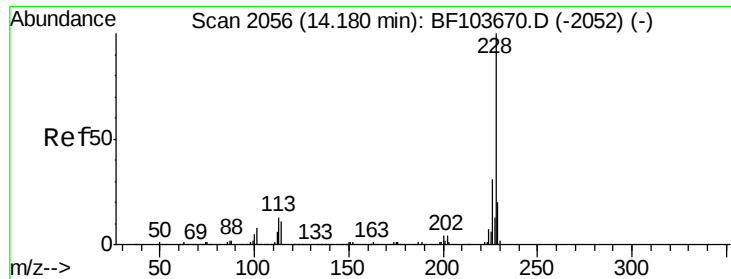


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.134 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF103962.D

Acq: 27 Mar 2018 8:34

Instrument :

BNA_F

ClientSampleId :

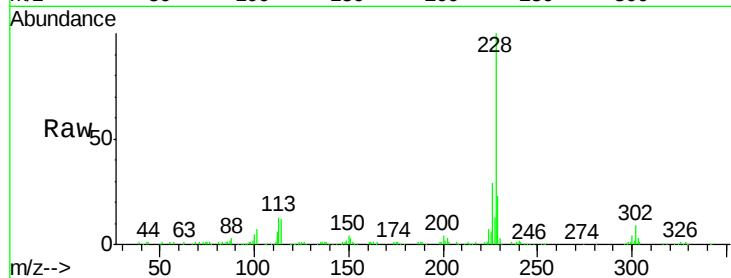
Tot Ion:228 Resp: 98418

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

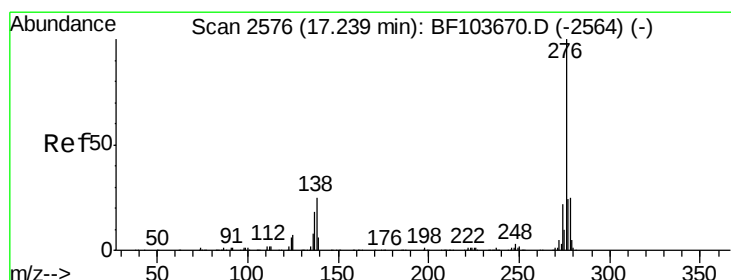
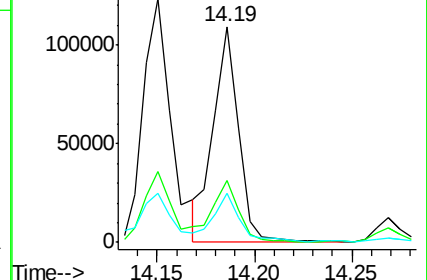
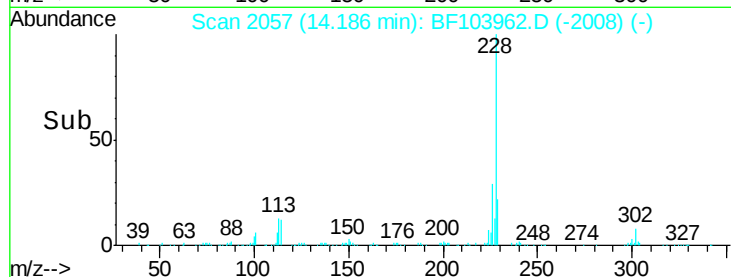
229 22.6 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.874 ng

RT: 17.28 min Scan# 2583

Delta R.T. -0.02 min

Lab File: BF103962.D

Acq: 27 Mar 2018 8:34

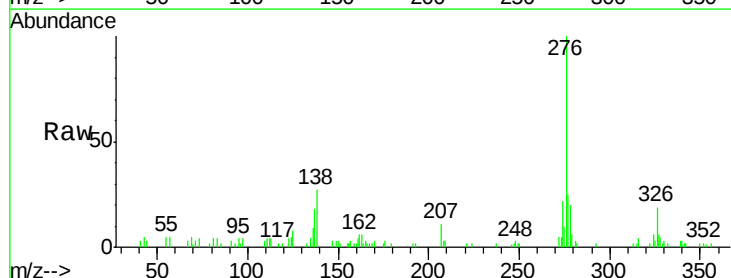
Tgt Ion:276 Resp: 40276

Ion Ratio Lower Upper

276 100

138 27.8 25.0 37.6

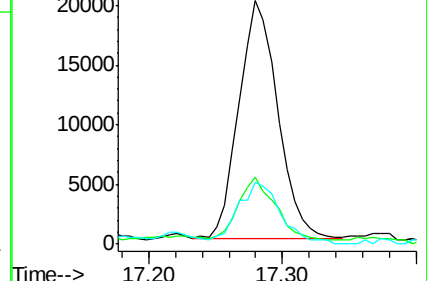
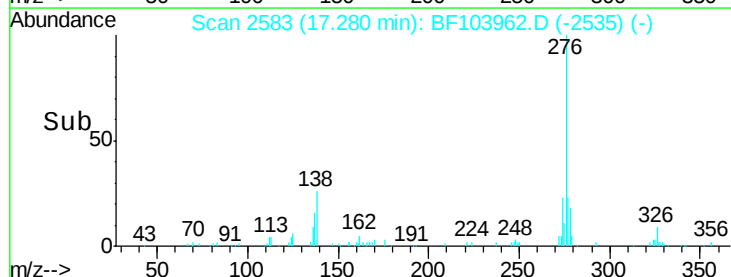
277 28.5 20.1 30.1

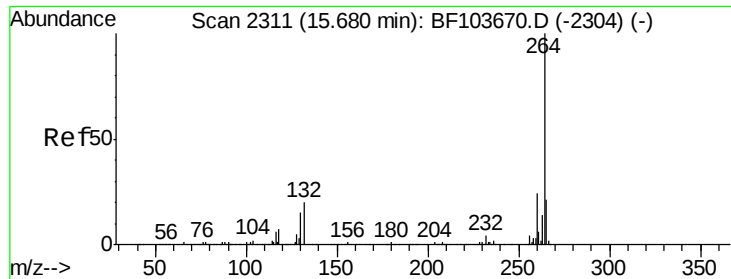


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



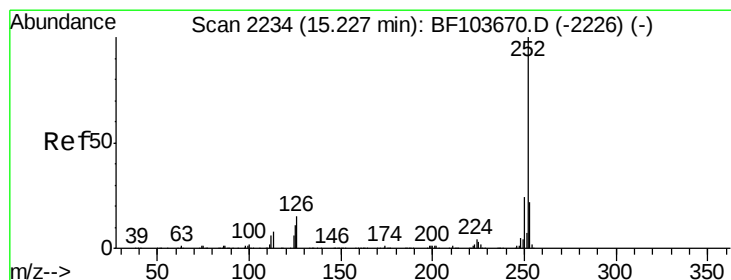
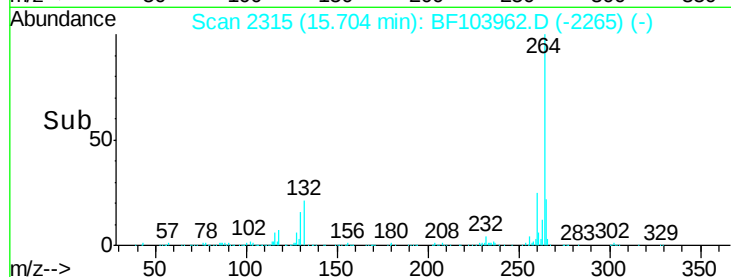
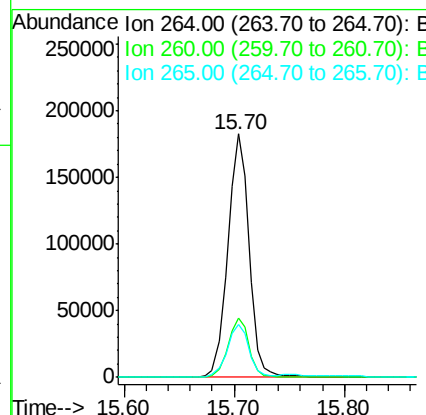
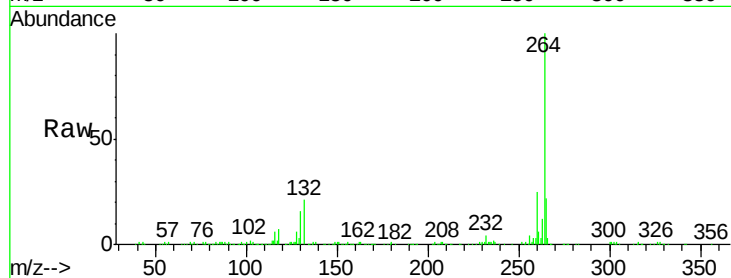


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 247146

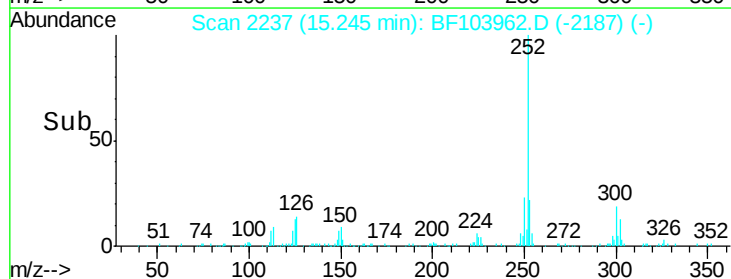
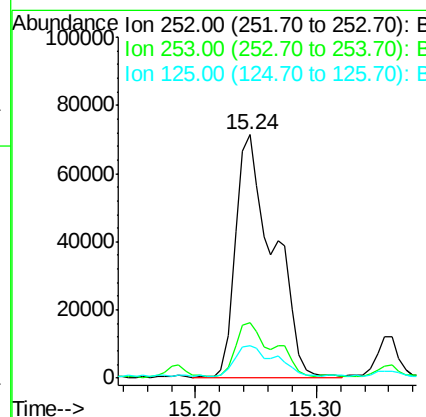
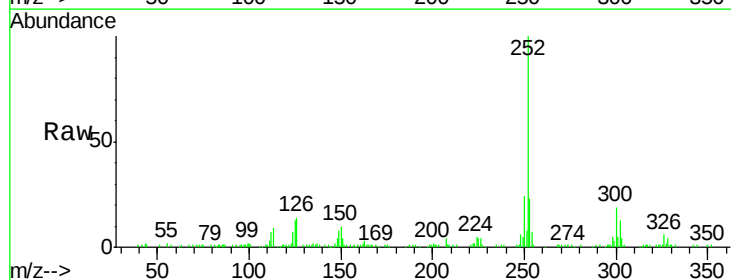
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.9	17.5	26.3

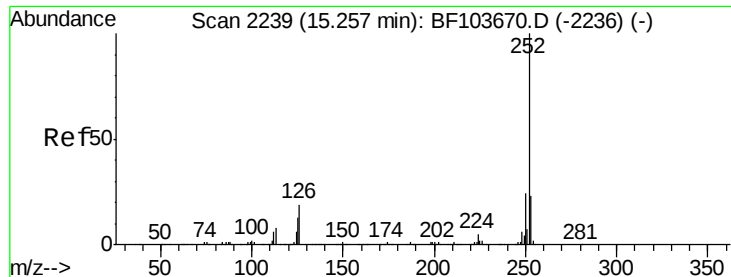


#87
Benzo(b)fluoranthene
Concen: 10.047 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Tgt Ion:252 Resp: 156871

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	13.3	9.0	13.6

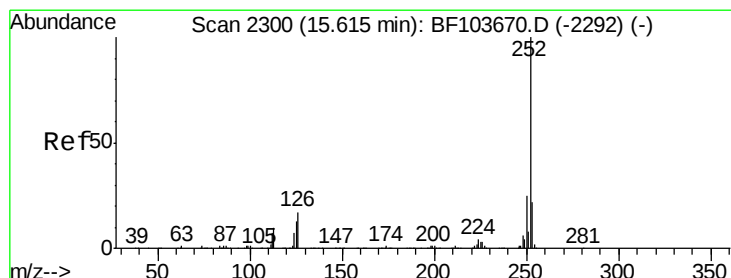
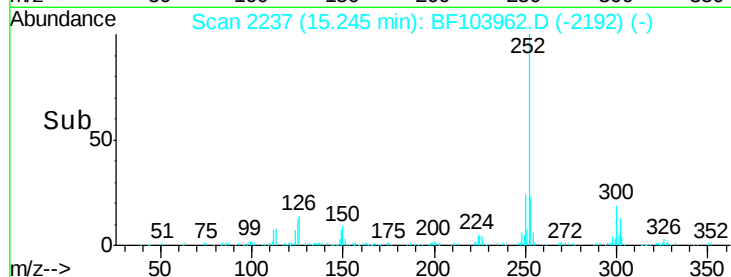
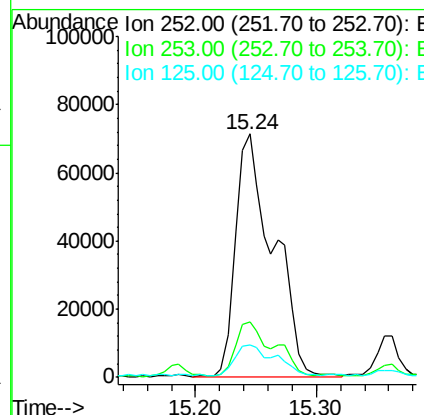
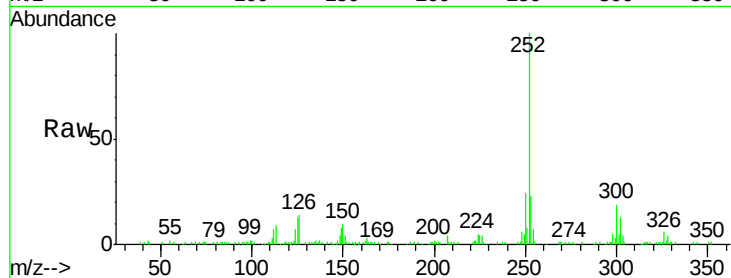




#88
Benzo(k)fluoranthene
Concen: 10.452 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.04 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

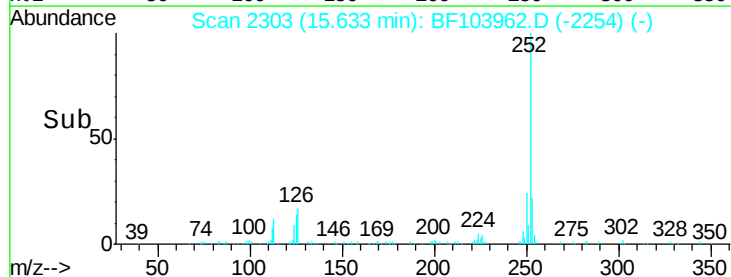
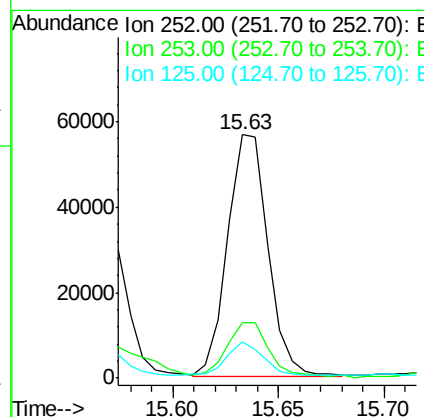
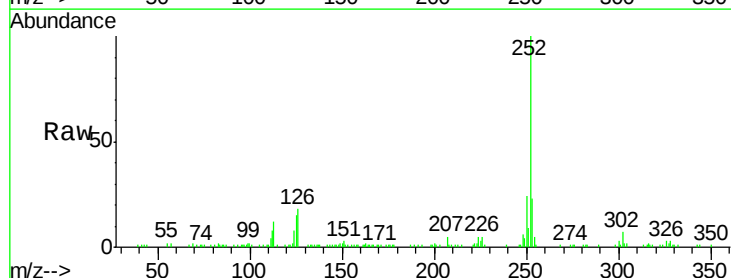
Instrument :
BNA_F
ClientSampleId :

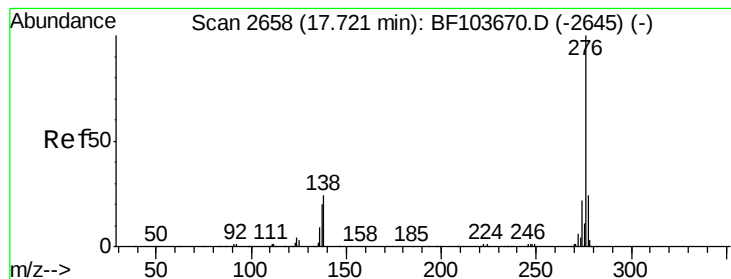
Tot Ion:252 Resp: 156871
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 13.3 10.2 15.2



#89
Benzo(a)pyrene
Concen: 5.318 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Tgt Ion:252 Resp: 75318
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 14.8 9.8 14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 3.200 ng
 RT: 17.77 min Scan# 2666
 Delta R.T. -0.01 min
 Lab File: BF103962.D
 Acq: 27 Mar 2018 8:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.8	17.9	26.9
138	30.4	21.8	32.8

