

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104860.D
 Acq On : 27 Apr 2018 4:17
 Operator : JU/SJ
 Sample : J2520-05 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 11:07:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	95373	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	364961	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	140641	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	216484	20.00	ng	0.00
75) Chrysene-d12	13.98	240	216105	20.00	ng	0.00
86) Perylene-d12	15.44	264	163636	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	49449	7.93	ng	0.00
7) Phenol-d6	6.44	99	61802	8.06	ng	0.00
23) Nitrobenzene-d5	7.36	82	33752	6.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	9220	6.32	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	61042	6.86	ng	0.00
78) Terphenyl-d14	12.92	244	49903	5.26	ng	0.00

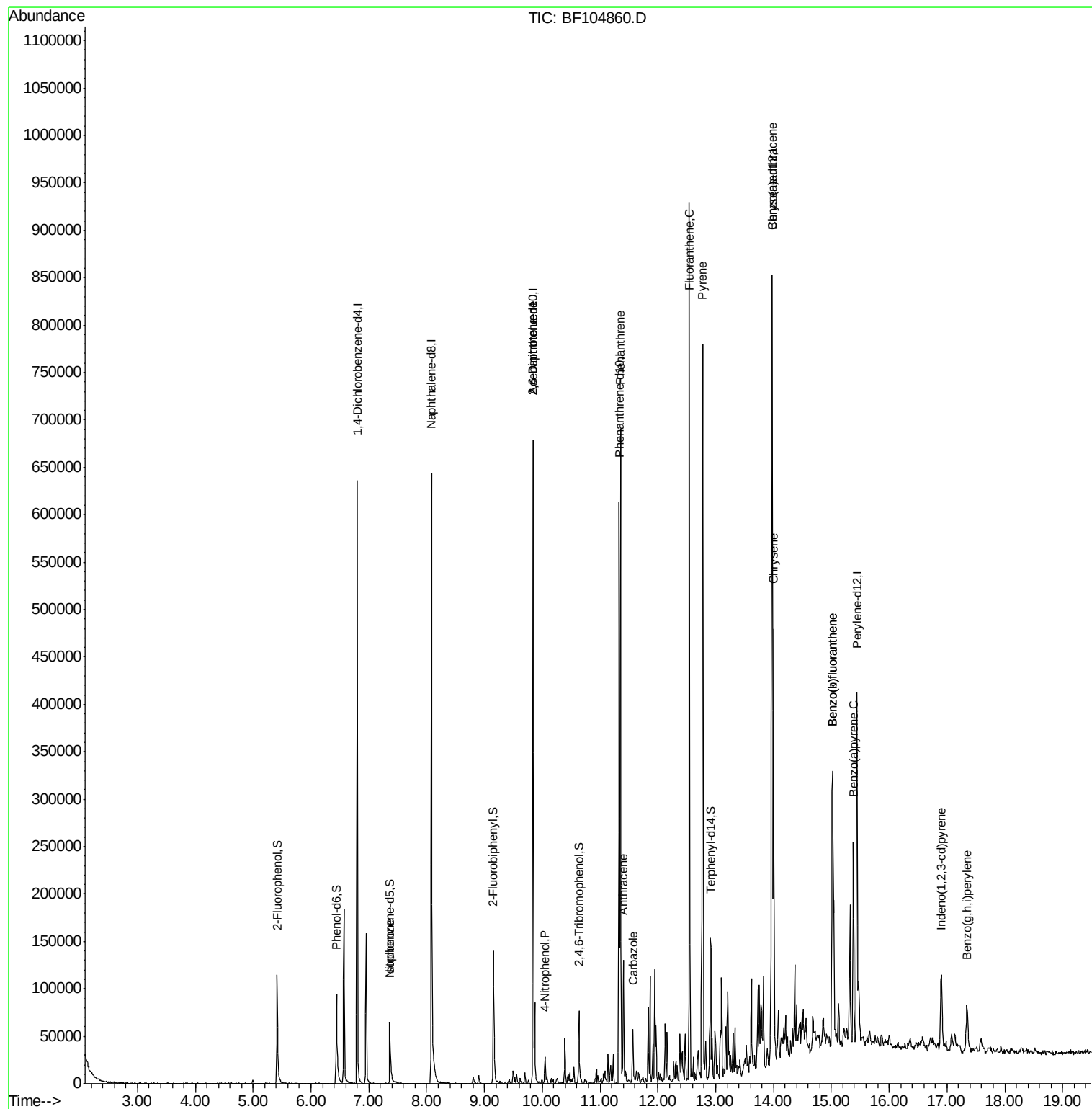
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	1073	Below Cal		88
25) Isophorone	7.36	82	33752	2.856 ng	#	64
50) 2,6-Dinitrotoluene	9.84	165	18074	8.807 ng	#	24
55) 4-Nitrophenol	10.05	139	5231	2.772 ng	#	9
56) 2,4-Dinitrotoluene	9.84	165	18074	6.714 ng	#	21
70) Phenanthrene	11.35	178	261886	21.723 ng		98
71) Anthracene	11.40	178	56533	4.613 ng		98
72) Carbazole	11.57	167	25825	2.157 ng		96
74) Fluoranthene	12.54	202	360525	28.622 ng		98
76) Benzidine	12.91	184	439	Below Cal	#	66
77) Pyrene	12.77	202	318589	19.889 ng		99
80) Benzo(a)anthracene	13.97	228	178465	13.823 ng		99
82) Chrysene	14.00	228	148865	11.226 ng		98
85) Indeno(1,2,3-cd)pyrene	16.90	276	46971	4.170 ng		94
87) Benzo(b)fluoranthene	15.02	252	203923	19.731 ng		97
88) Benzo(k)fluoranthene	15.02	252	203923	20.900 ng		99
89) Benzo(a)pyrene	15.38	252	97952	10.593 ng		98
91) Benzo(g,h,i)perylene	17.35	276	43624	5.929 ng		94

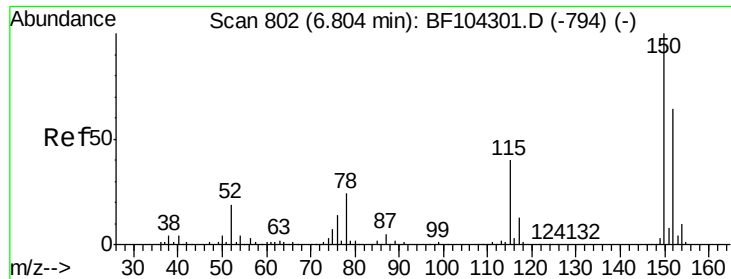
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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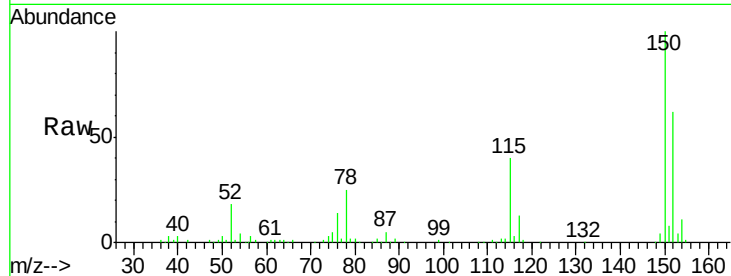


#1

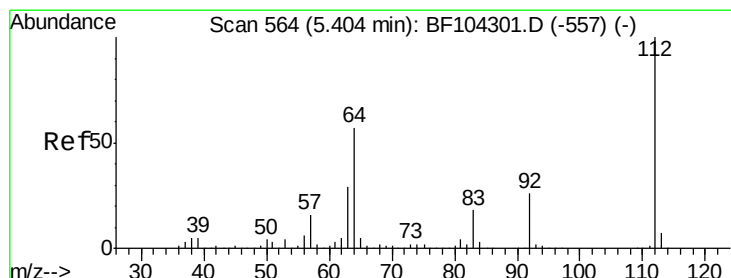
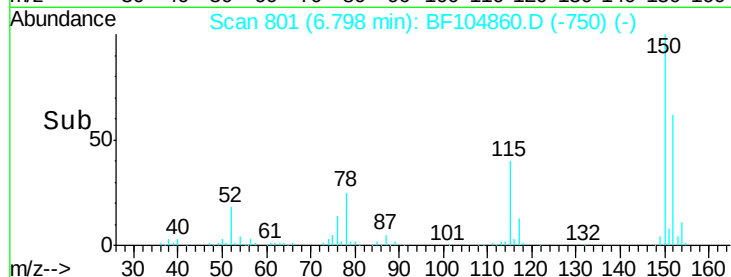
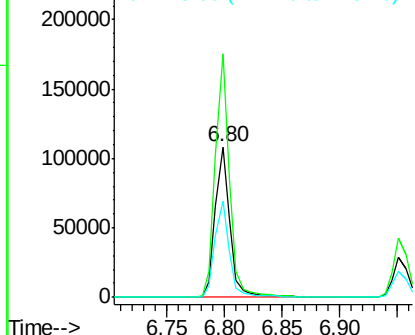
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 95373
Ion Ratio Lower Upper
152 100
150 161.5 124.6 186.8
115 64.0 50.1 75.1



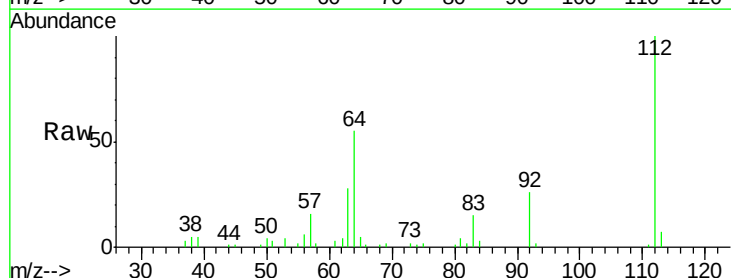
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



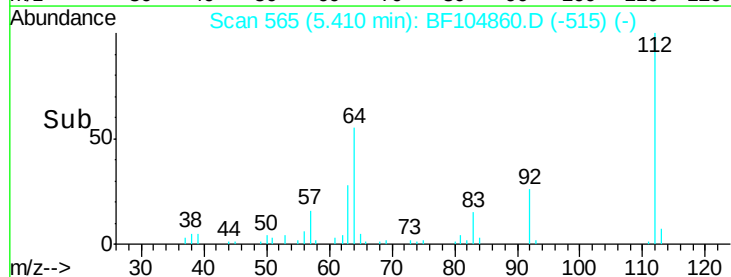
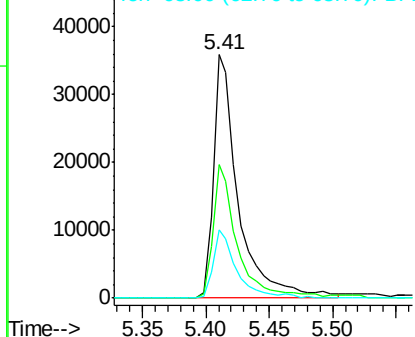
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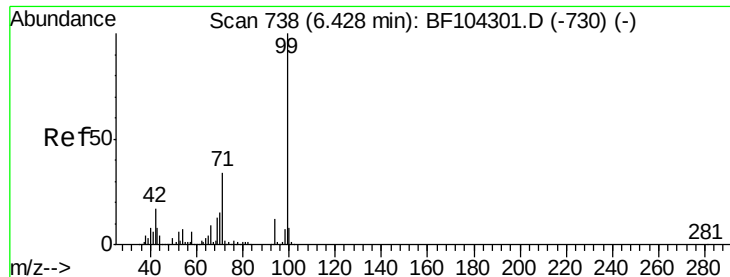
2-Fluorophenol
Concen: 7.928 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Tgt Ion:112 Resp: 49449
Ion Ratio Lower Upper
112 100
64 54.6 47.9 71.9
63 27.8 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: 8.064 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104860.D

Acq: 27 Apr 2018 4:17

Instrument :

BNA_F

ClientSampled :

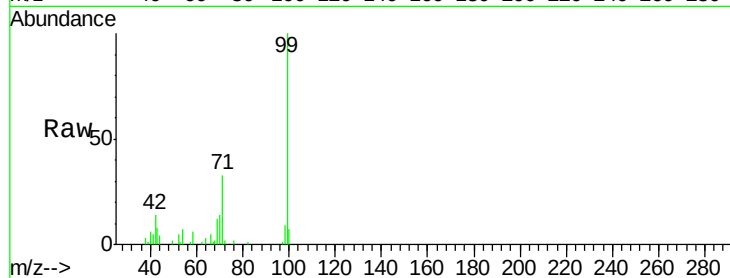
Tot Ion: 99 Resp: 61802

Ion Ratio Lower Upper

99 100

42 13.8 14.5 21.7#

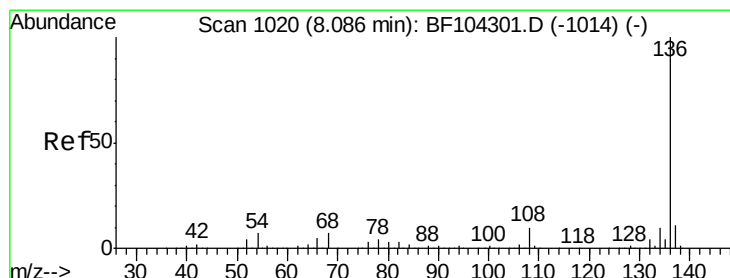
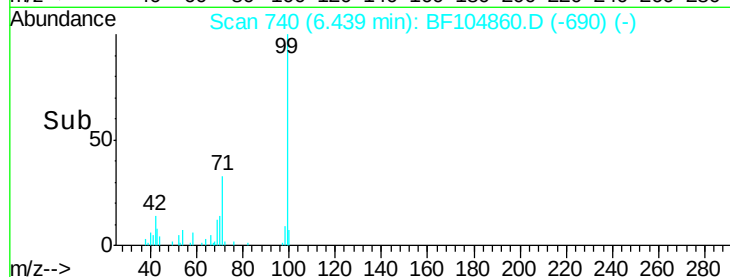
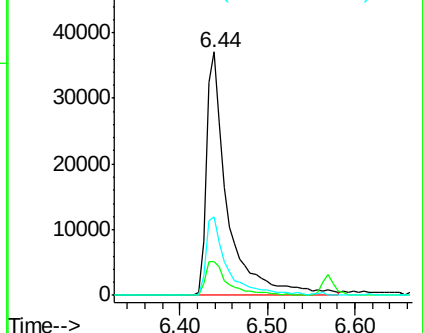
71 32.5 25.4 38.0



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: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104860.D

Acq: 27 Apr 2018 4:17

Tgt Ion: 136 Resp: 364961

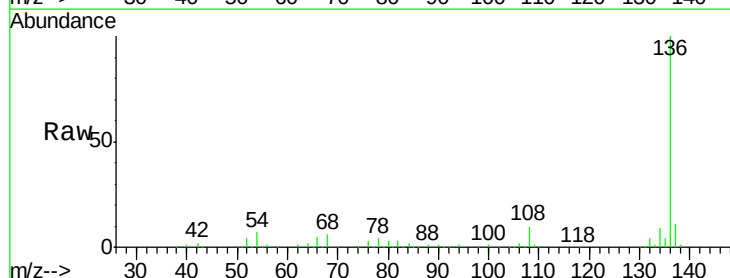
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.6 6.6 9.8#

68 6.2 5.0 7.4

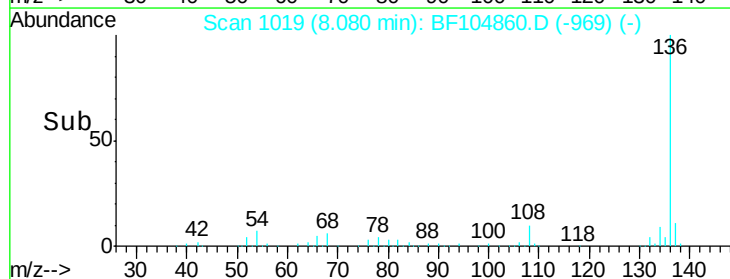
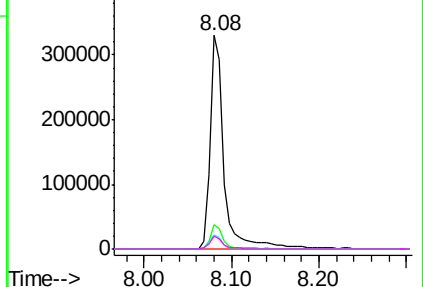


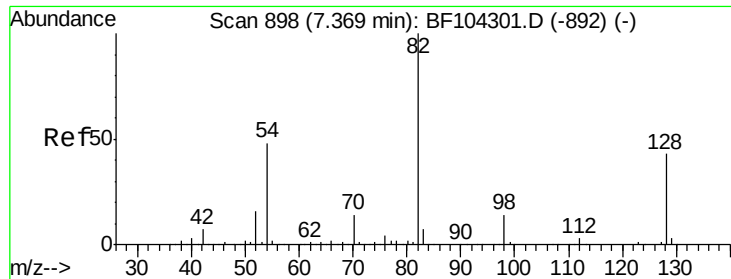
Abundance Ion 136.00 (135.70 to 136.70): E

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

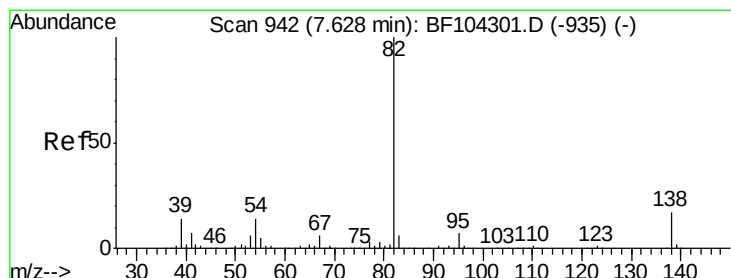
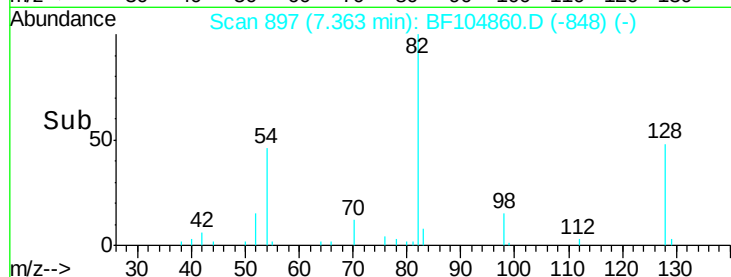
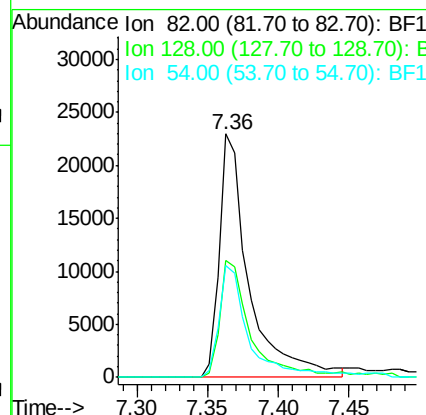
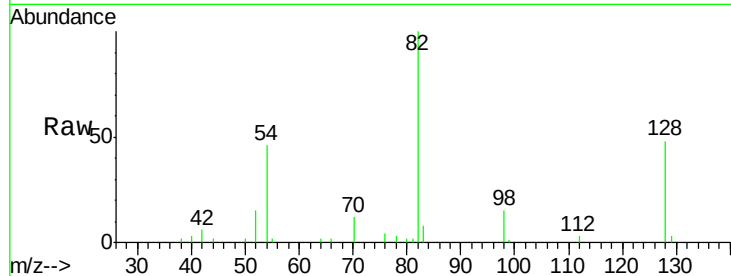




#23
Nitrobenzene-d5
Concen: 6.039 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

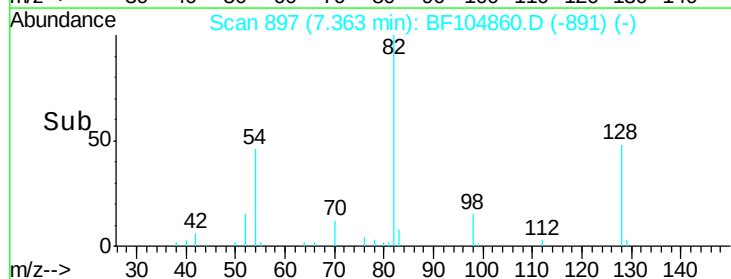
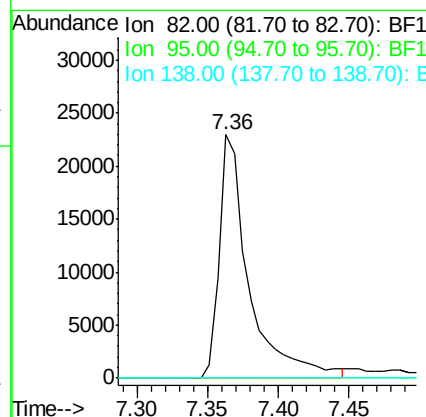
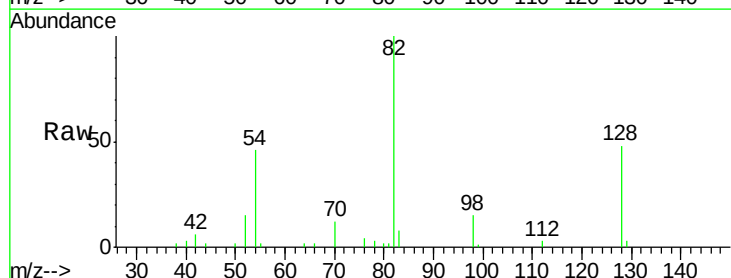
Instrument :
BNA_F
ClientSampleId :

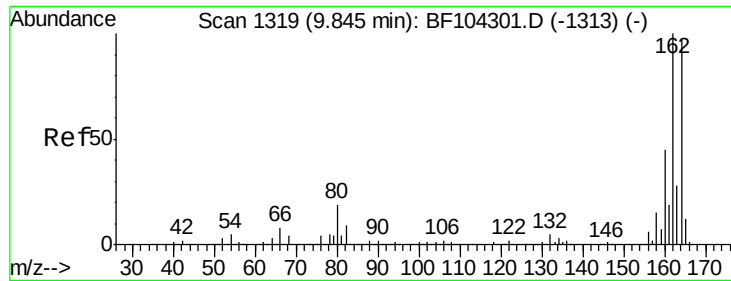
Tot Ion: 82 Resp: 33752
Ion Ratio Lower Upper
82 100
128 48.1 36.1 54.1
54 45.8 41.4 62.2



#25
Isophorone
Concen: 2.856 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Tgt Ion: 82 Resp: 33752
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

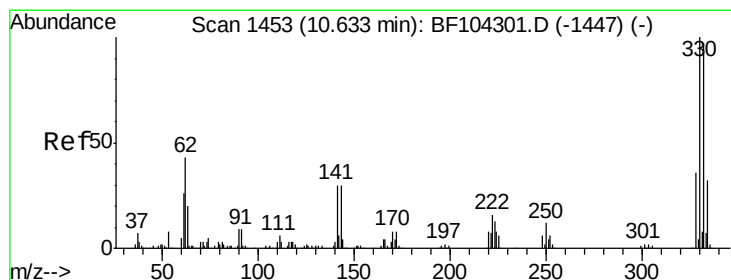
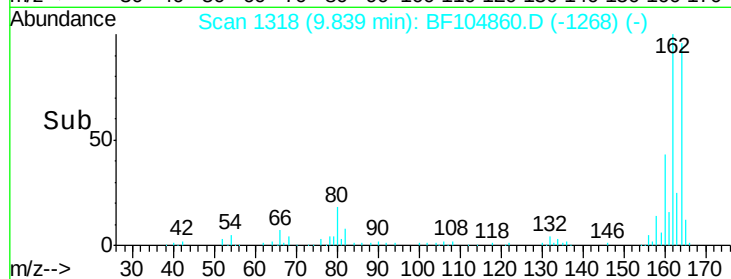
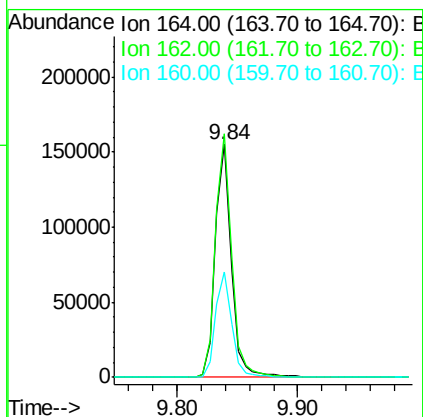
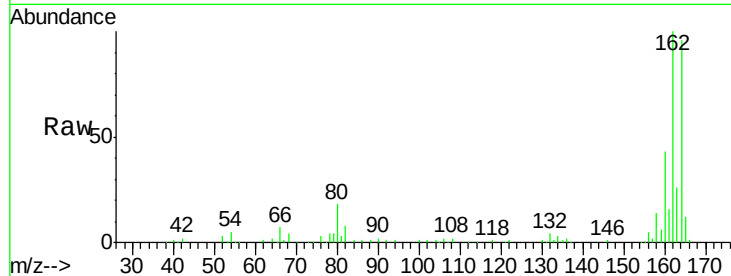




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104860.D
 Acq: 27 Apr 2018 4:17

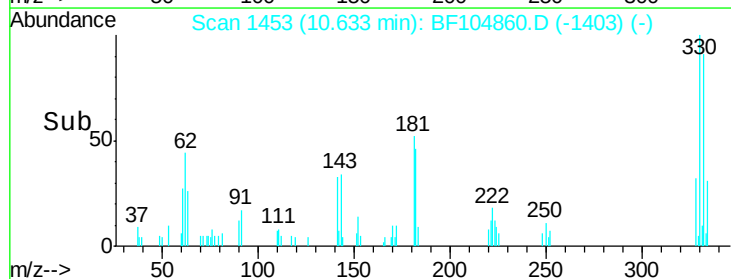
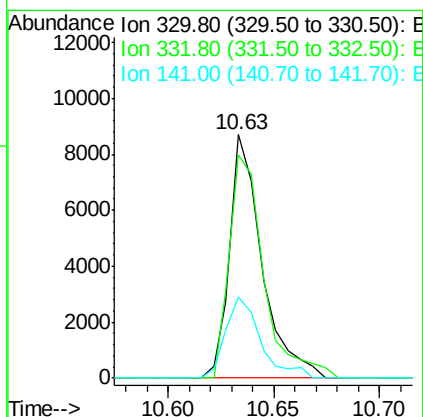
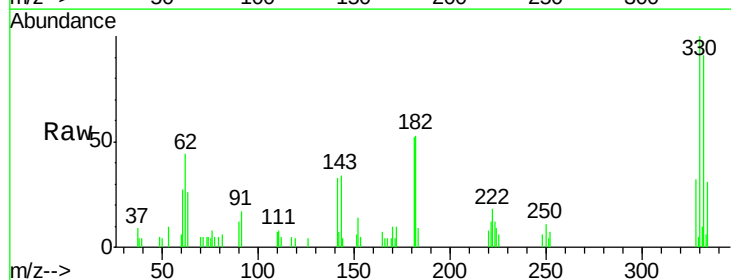
Instrument :
 BNA_F
 ClientSampleId :

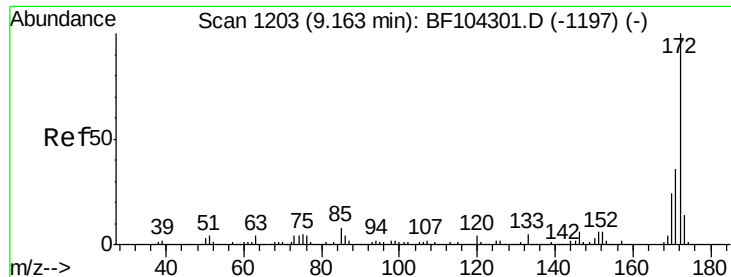
Tot Ion:164 Resp: 140641
 Ion Ratio Lower Upper
 164 100
 162 104.5 86.1 129.1
 160 45.4 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 6.320 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104860.D
 Acq: 27 Apr 2018 4:17

Tgt Ion:330 Resp: 9220
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 36.0 29.9 44.9

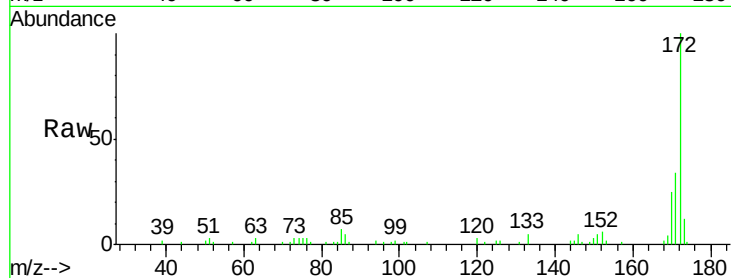




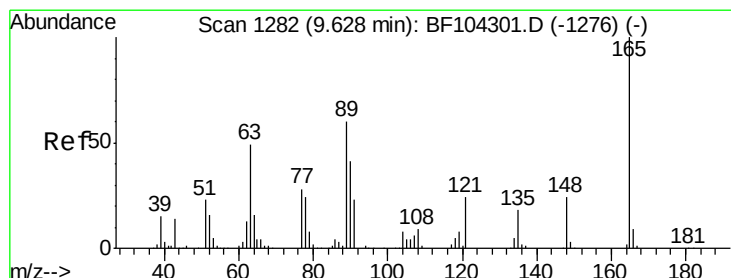
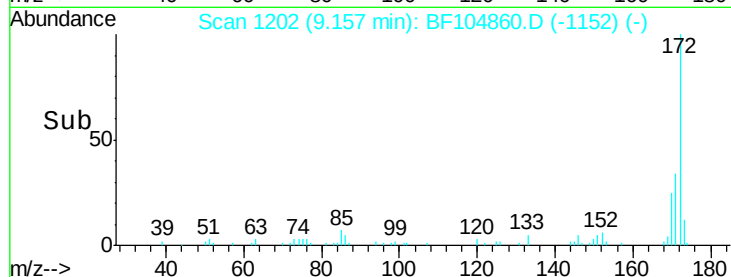
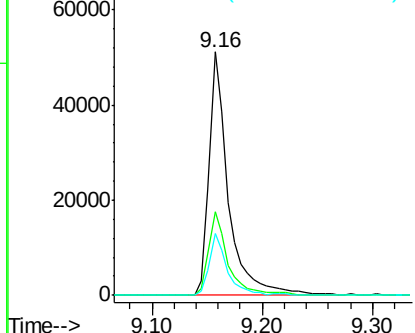
#44
2-Fluorobiphenyl
Concen: 6.857 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 61042
Ion Ratio Lower Upper
172 100
171 34.4 29.7 44.5
170 25.3 19.6 29.4

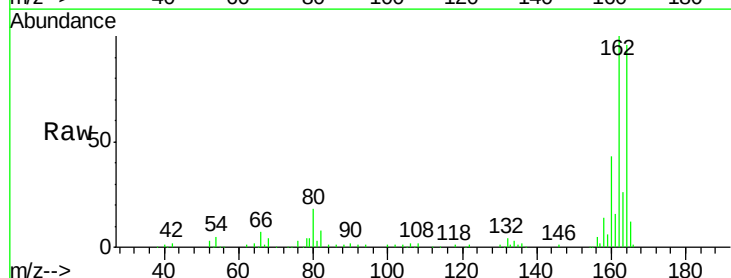


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

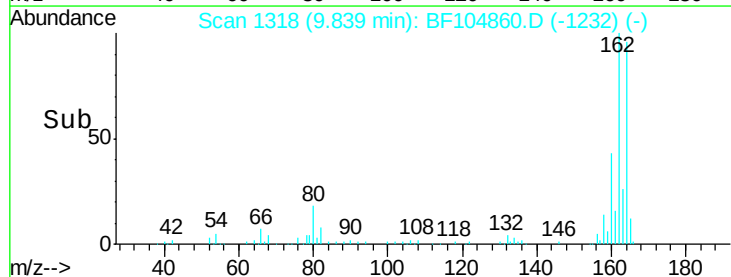
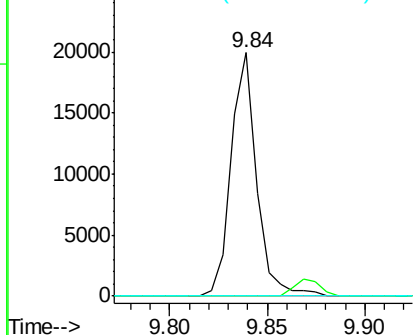


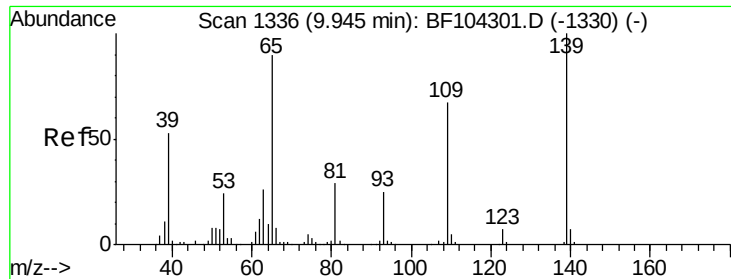
#50
2,6-Dinitrotoluene
Concen: 8.807 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.21 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Tgt Ion:165 Resp: 18074
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 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

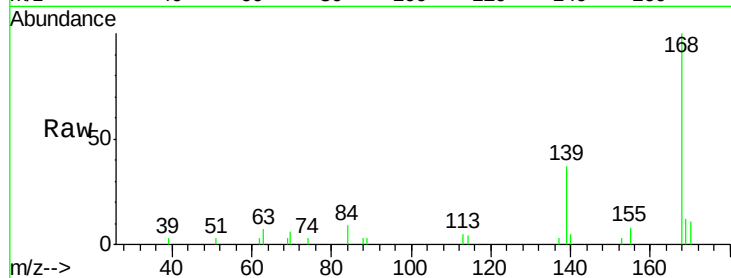




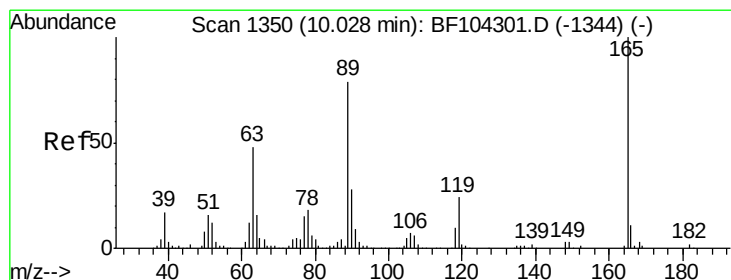
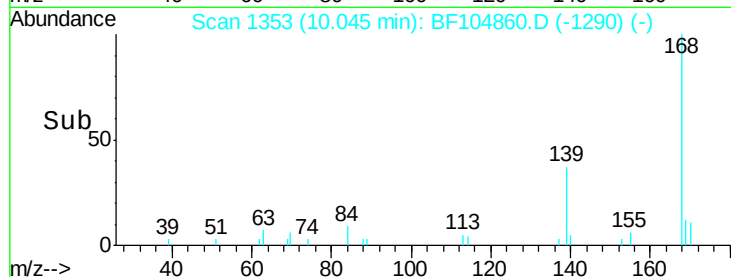
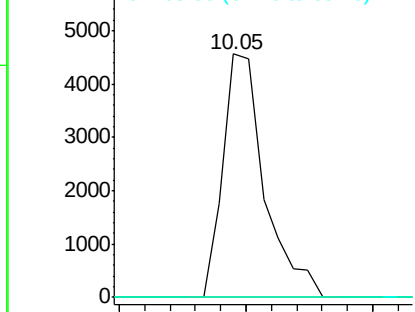
#55
4-Nitrophenol
Concen: 2.772 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.07 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 5231
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

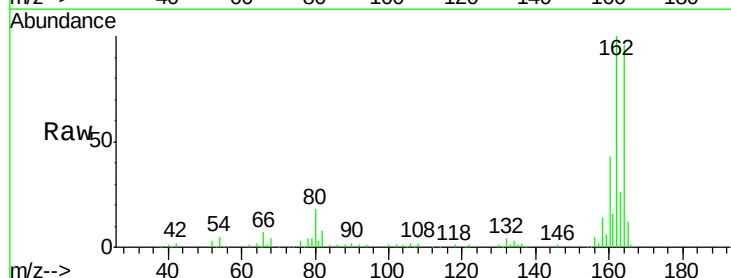


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

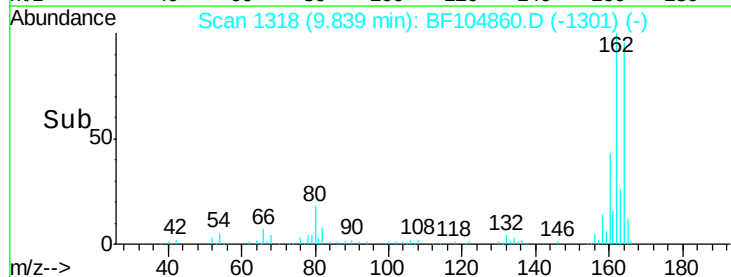
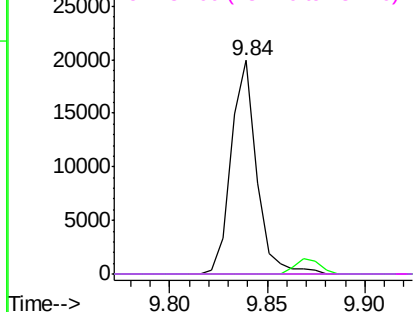


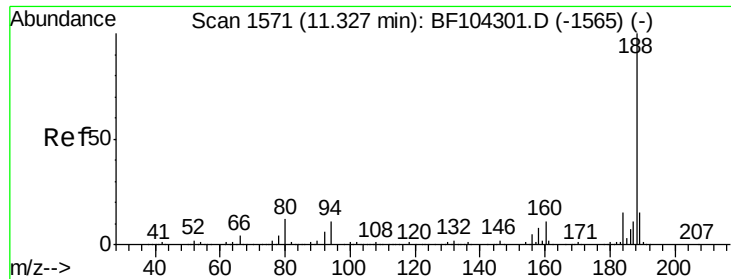
#56
2,4-Dinitrotoluene
Concen: 6.714 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Tgt Ion:165 Resp: 18074
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 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

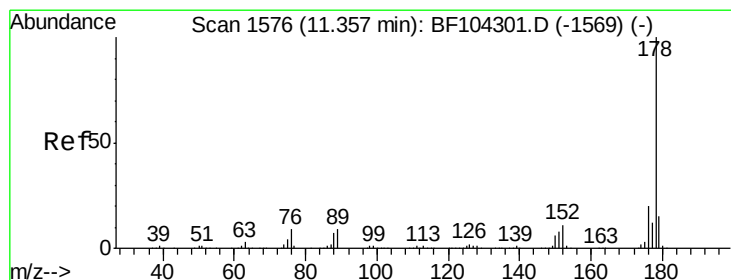
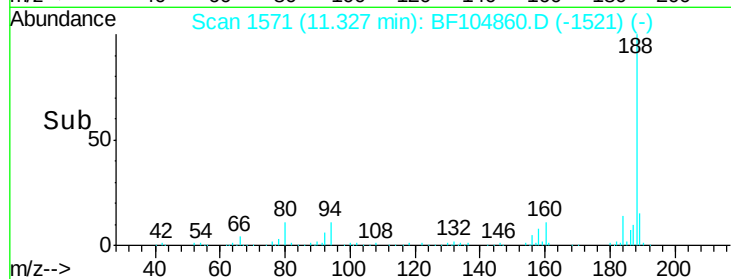
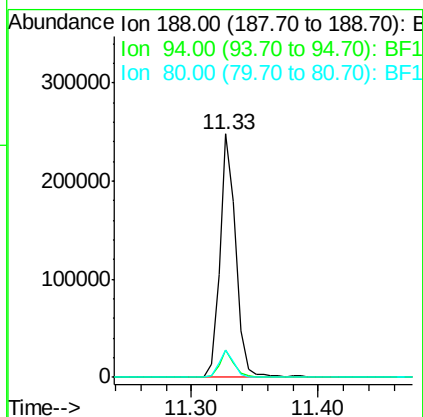
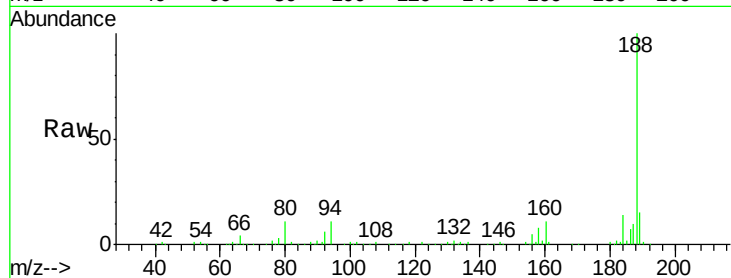




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

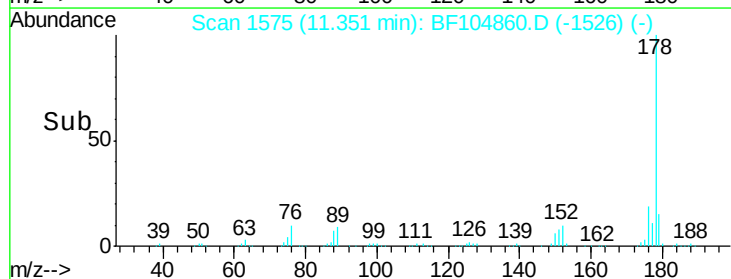
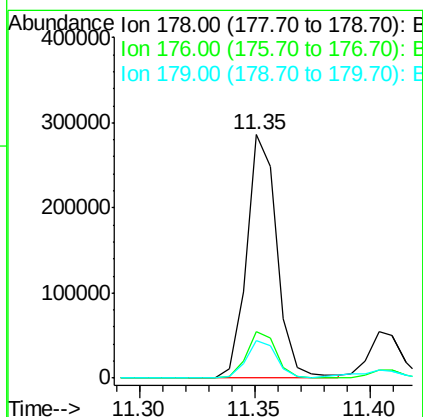
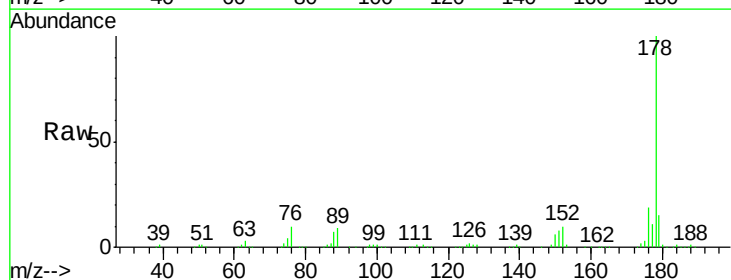
Instrument :
BNA_F
ClientSampleId :

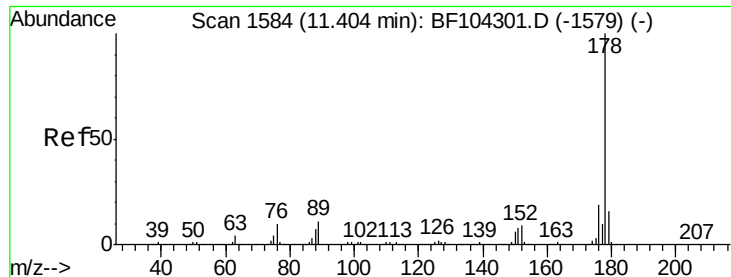
Tot Ion:188 Resp: 216484
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.5 9.2 13.8



#70
Phenanthrene
Concen: 21.723 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Tgt Ion:178 Resp: 261886
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.3 13.0 19.6

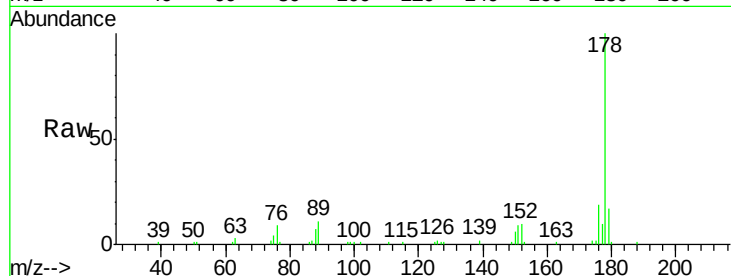




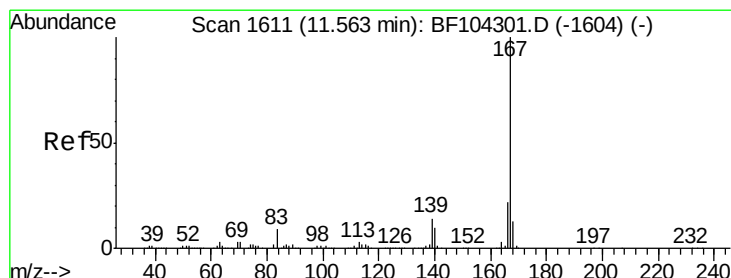
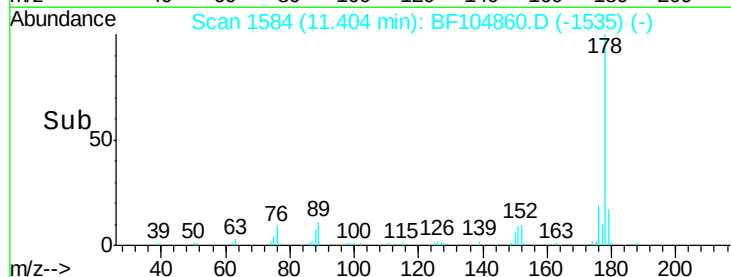
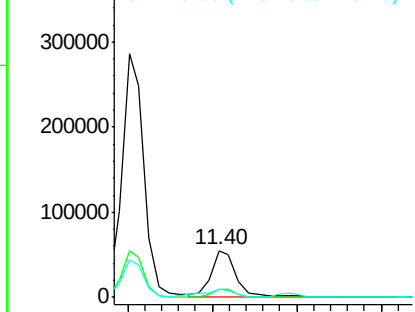
#71
 Anthracene
 Concen: 4.613 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104860.D
 Acq: 27 Apr 2018 4:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 56533
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.2
 179 16.9 12.6 19.0

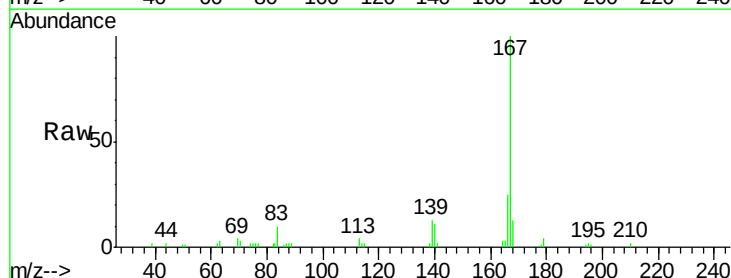


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

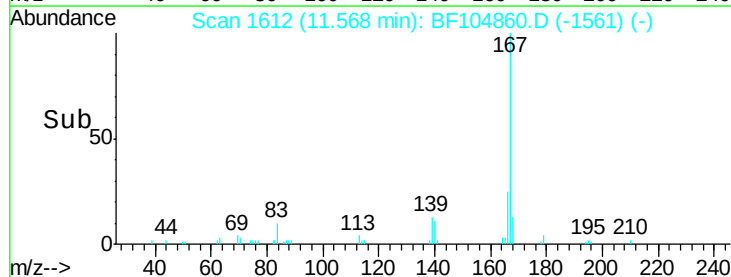
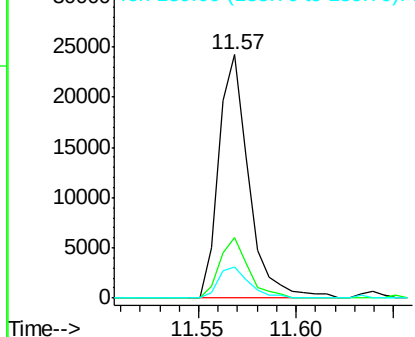


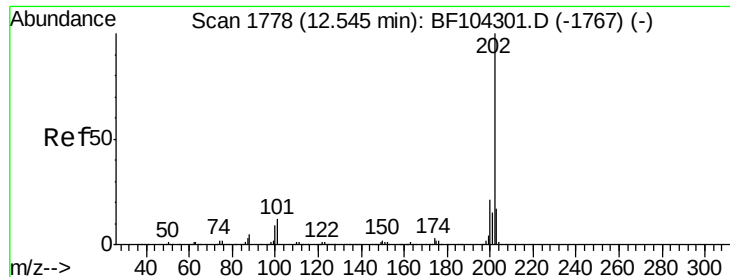
#72
 Carbazole
 Concen: 2.157 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: BF104860.D
 Acq: 27 Apr 2018 4:17

Tgt Ion:167 Resp: 25825
 Ion Ratio Lower Upper
 167 100
 166 24.7 17.6 26.4
 139 12.6 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 28.622 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104860.D

Acq: 27 Apr 2018 4:17

Instrument :

BNA_F

ClientSampled :

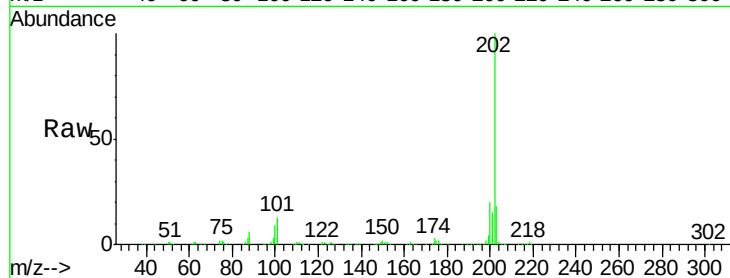
Tot Ion:202 Resp: 360525

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

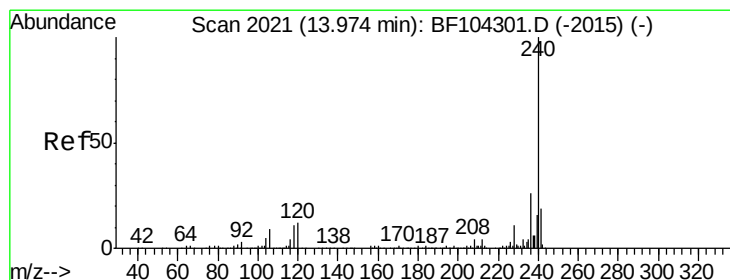
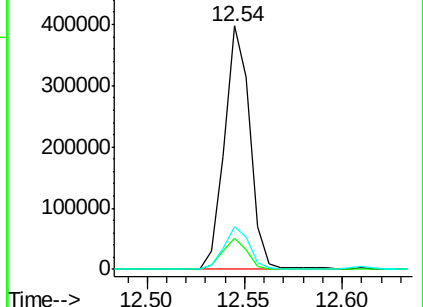
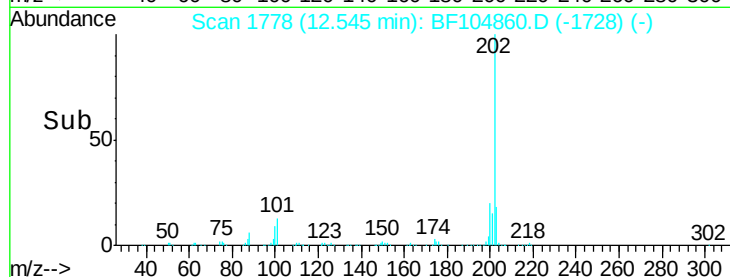
203 17.7 0.0 38.1



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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104860.D

Acq: 27 Apr 2018 4:17

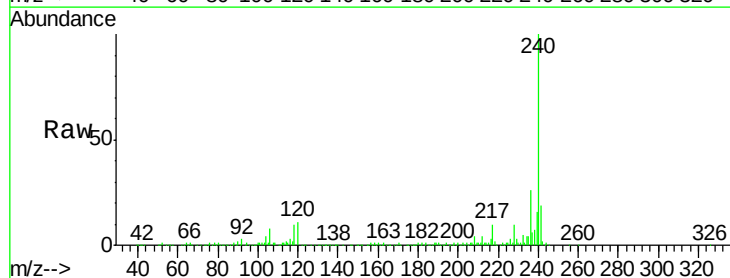
Tgt Ion:240 Resp: 216105

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

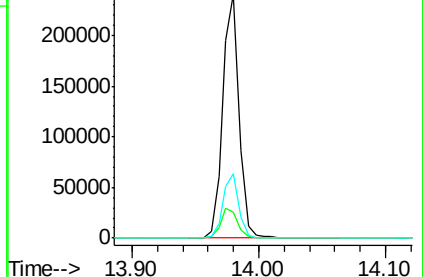
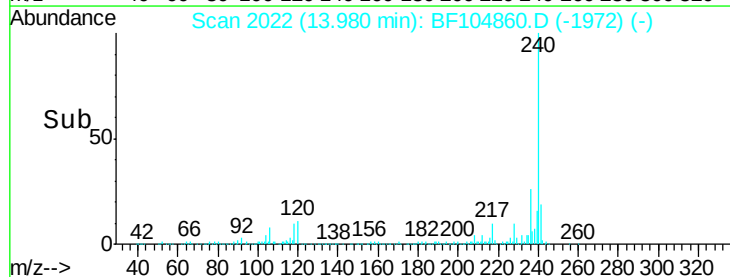
236 26.4 20.7 31.1

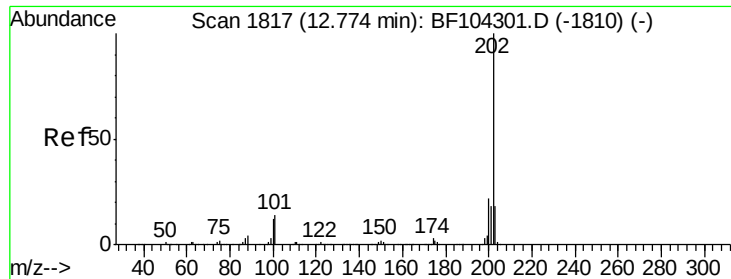


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 19.889 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104860.D

Acq: 27 Apr 2018 4:17

Instrument :

BNA_F

ClientSampleId :

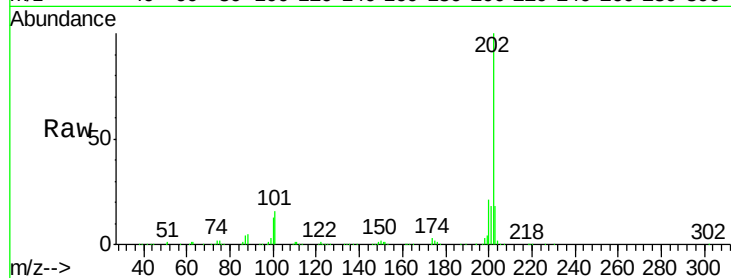
Tot Ion:202 Resp: 318589

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

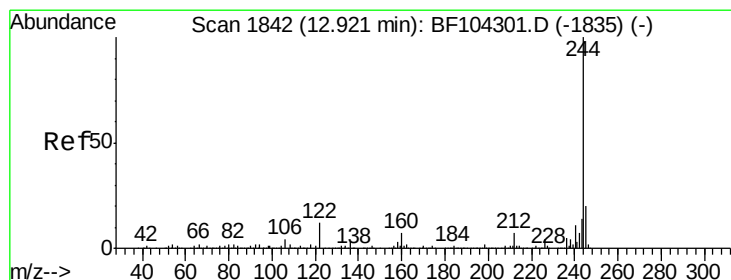
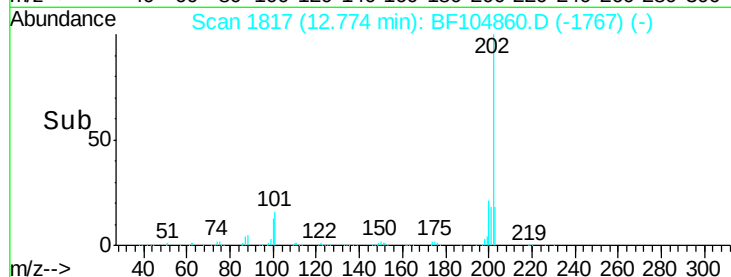
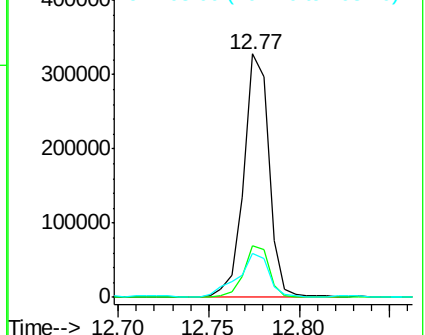
203 18.0 14.3 21.5



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: 5.265 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104860.D

Acq: 27 Apr 2018 4:17

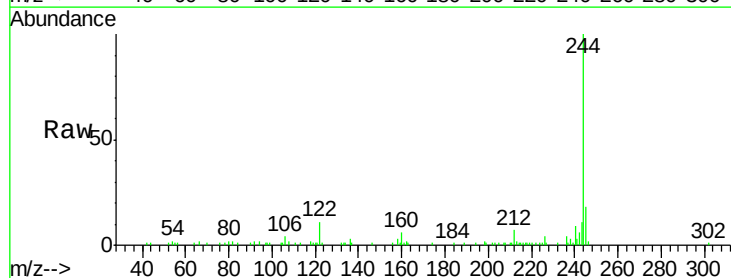
Tgt Ion:244 Resp: 49903

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

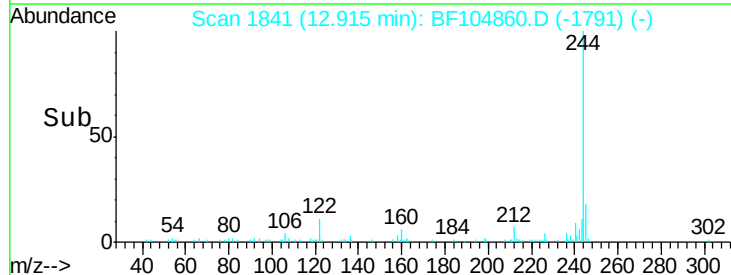
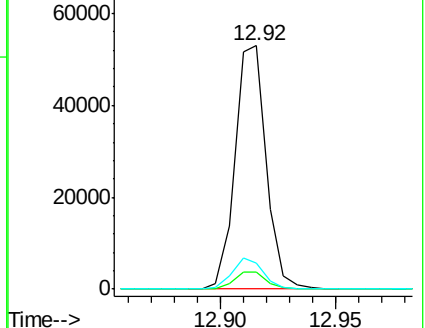
122 10.9 11.0 16.4#

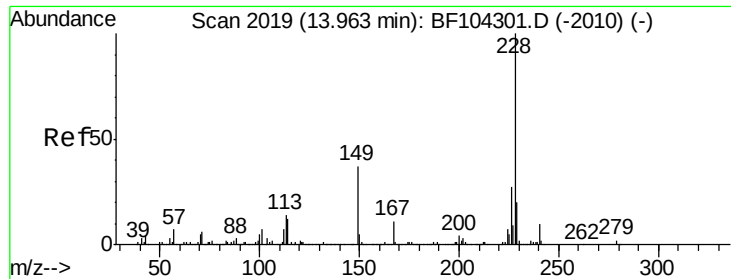


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

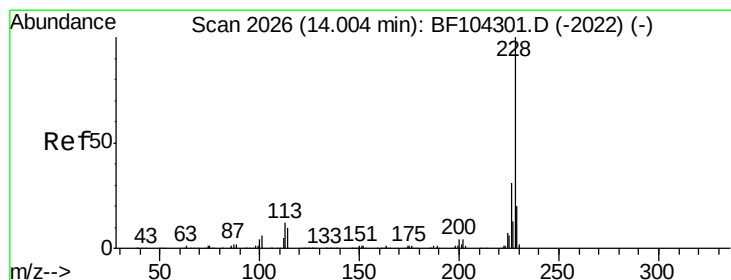
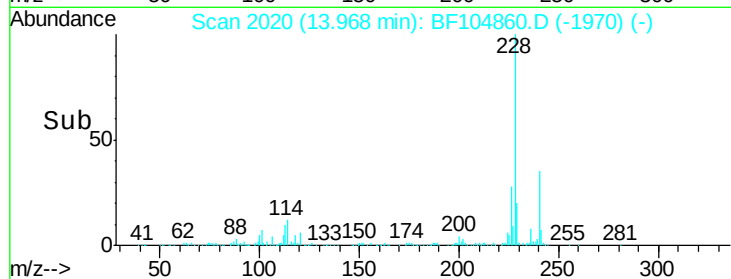
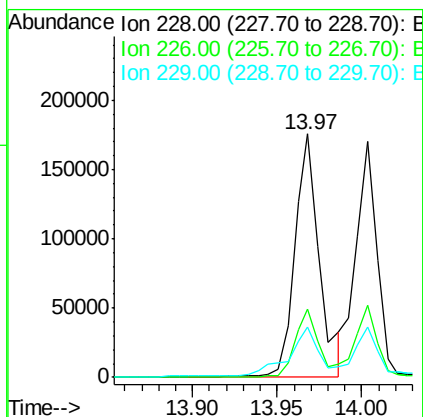
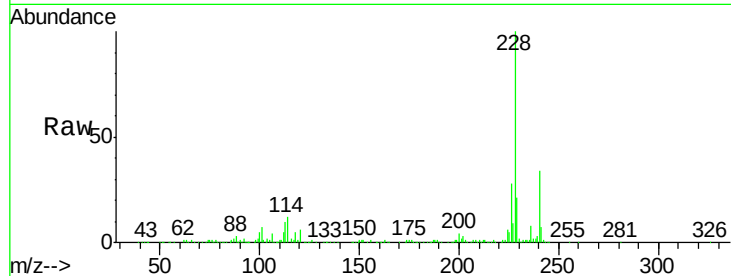




#80
Benzo(a)anthracene
Concen: 13.823 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

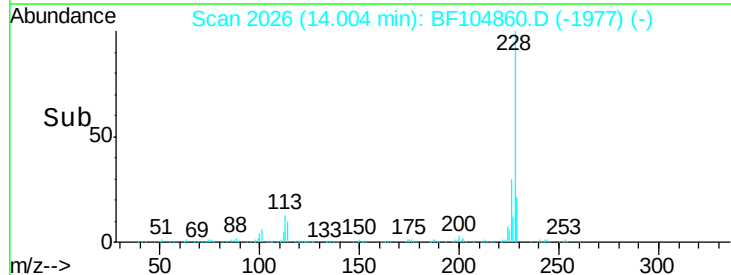
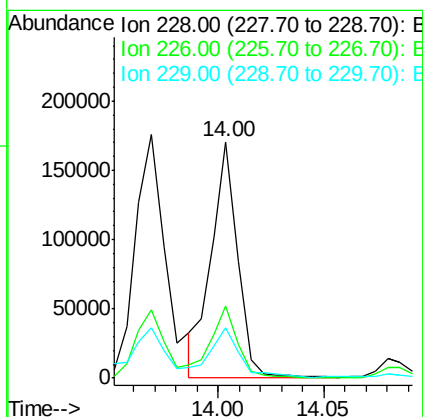
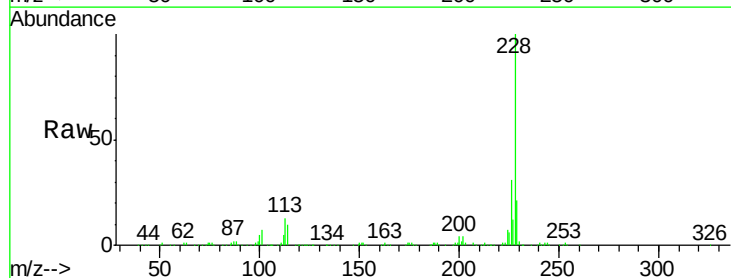
Instrument :
BNA_F
ClientSampleId :

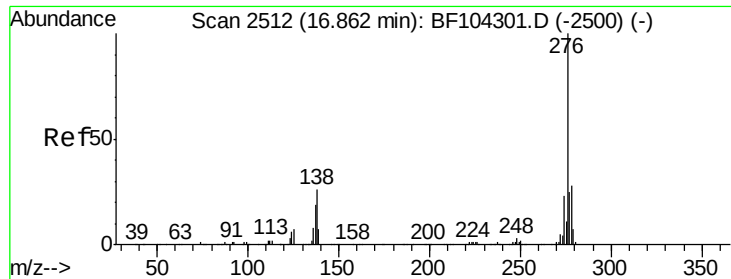
Tot Ion:228 Resp: 178465
Ion Ratio Lower Upper
228 100
226 28.2 22.6 33.8
229 20.6 15.8 23.6



#82
Chrysene
Concen: 11.226 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Tgt Ion:228 Resp: 148865
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 21.2 16.2 24.4

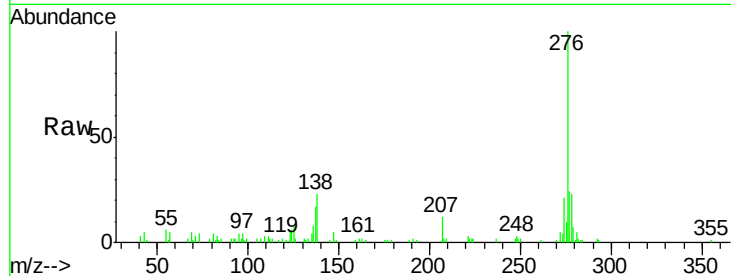




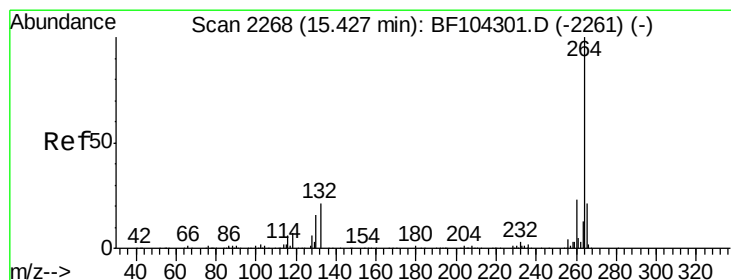
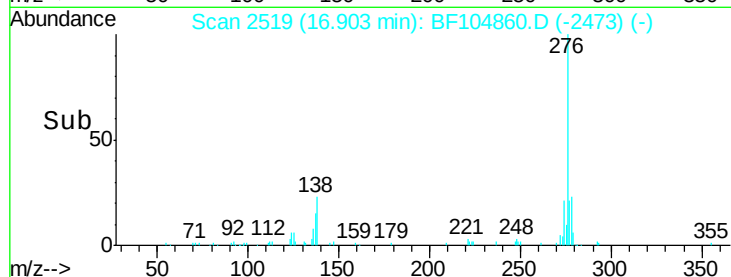
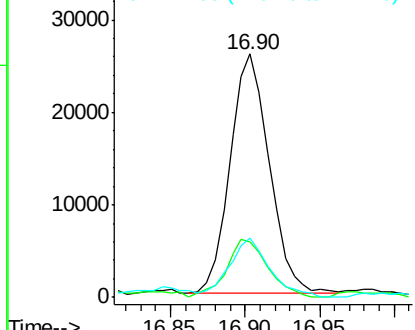
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.170 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.03 min
 Lab File: BF104860.D
 Acq: 27 Apr 2018 4:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 46971
 Ion Ratio Lower Upper
 276 100
 138 25.7 25.0 37.6
 277 25.8 20.1 30.1

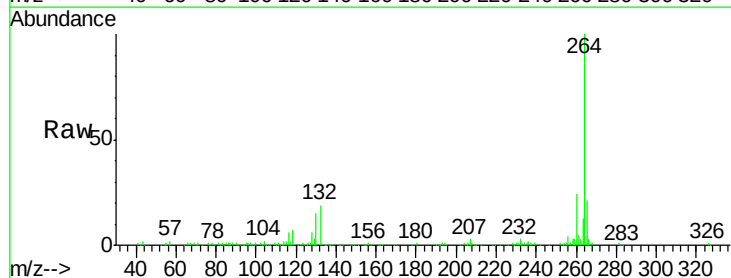


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

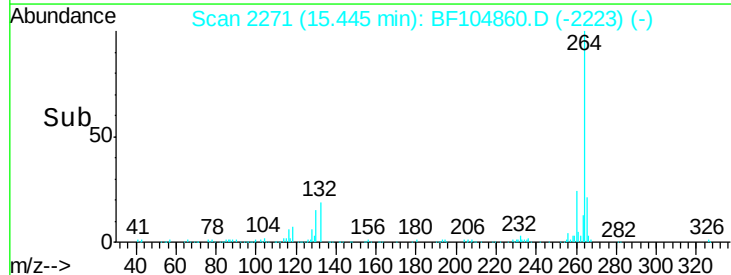
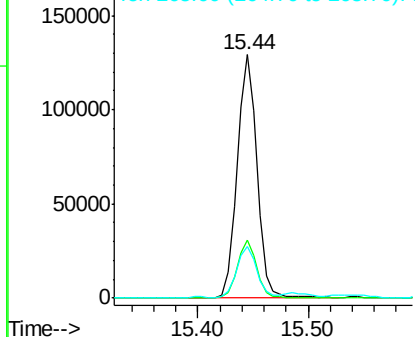


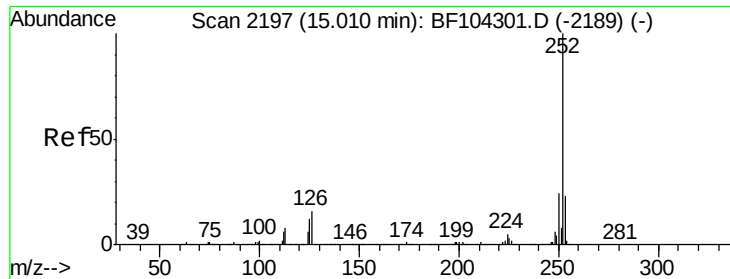
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF104860.D
 Acq: 27 Apr 2018 4:17

Tgt Ion:264 Resp: 163636
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.2 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

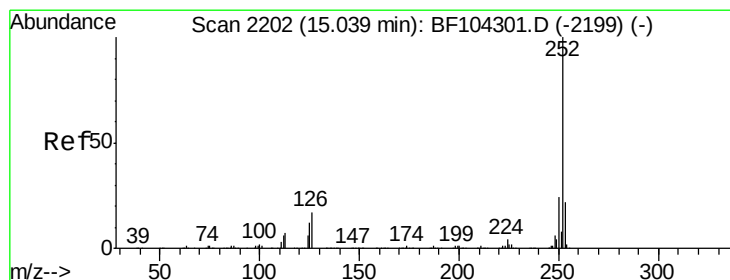
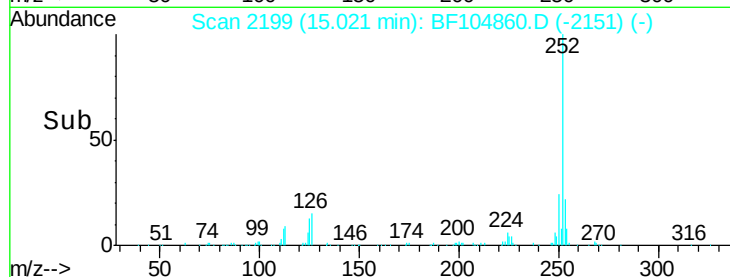
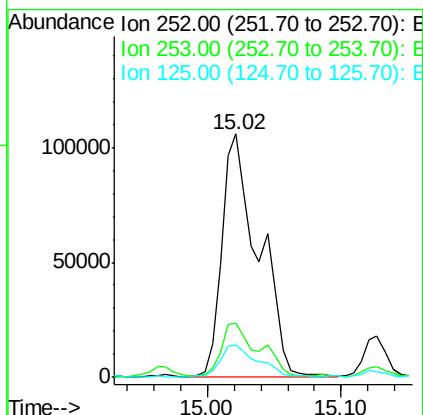
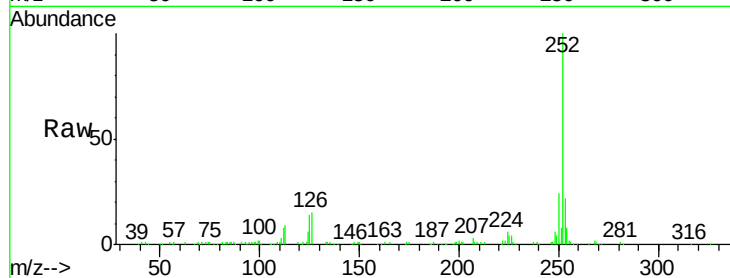




#87
Benzo(b)fluoranthene
Concen: 19.731 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

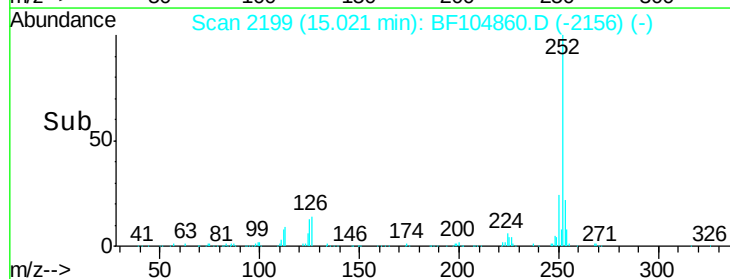
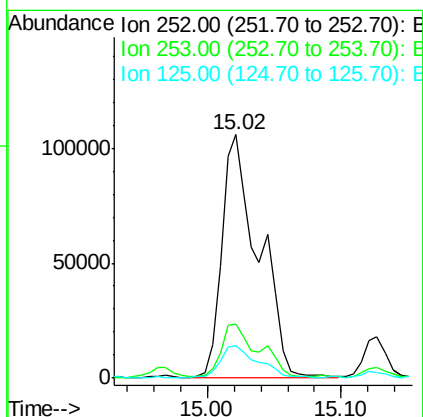
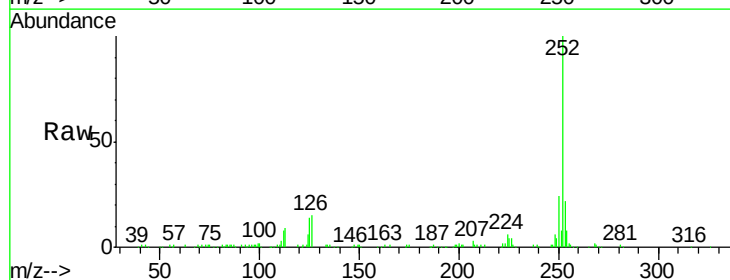
Instrument :
BNA_F
ClientSampleId :

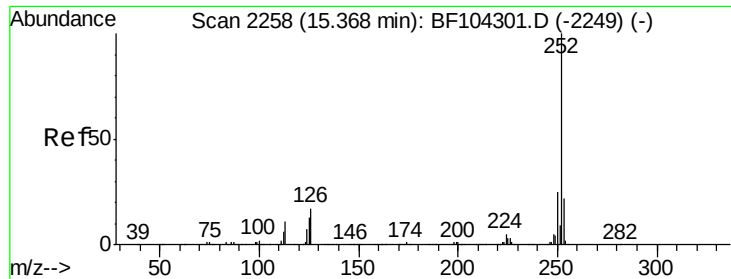
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	13.5	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 20.900 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	13.5	10.2	15.2

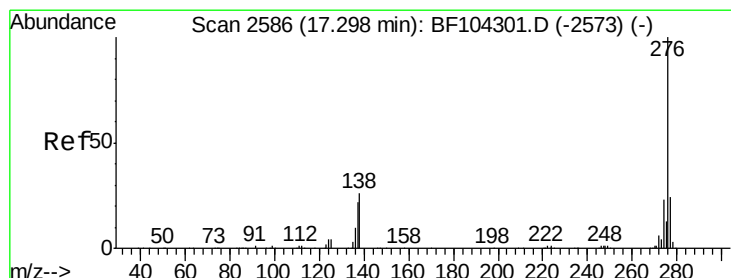
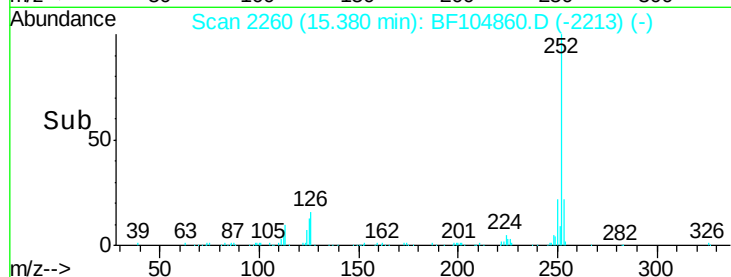
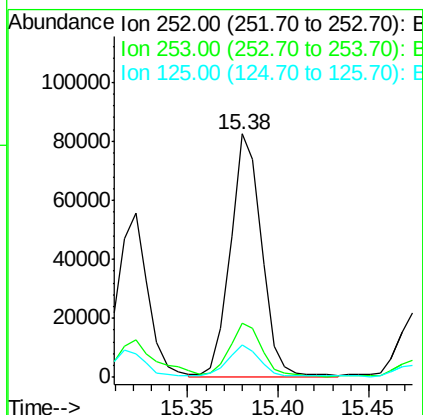
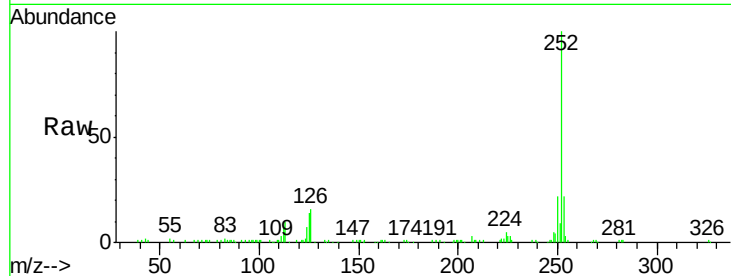




#89
Benzo(a)pyrene
Concen: 10.593 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 97952
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 13.5 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 5.929 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.03 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Tgt Ion:276 Resp: 43624
Ion Ratio Lower Upper
276 100
277 23.0 17.9 26.9
138 21.8 21.8 32.8

