

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104861.D
 Acq On : 27 Apr 2018 4:44
 Operator : JU/SJ
 Sample : J2520-07 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 11:08:17 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	97890	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	394894	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	159080	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	246940	20.00	ng	0.00
75) Chrysene-d12	13.98	240	218696	20.00	ng	0.00
86) Perylene-d12	15.44	264	165612	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	61359	9.58	ng	0.00
7) Phenol-d6	6.43	99	75347	9.58	ng	-0.01
23) Nitrobenzene-d5	7.36	82	43779	7.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	12722	7.71	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	80099	7.95	ng	0.00
78) Terphenyl-d14	12.92	244	62347	6.50	ng	0.00

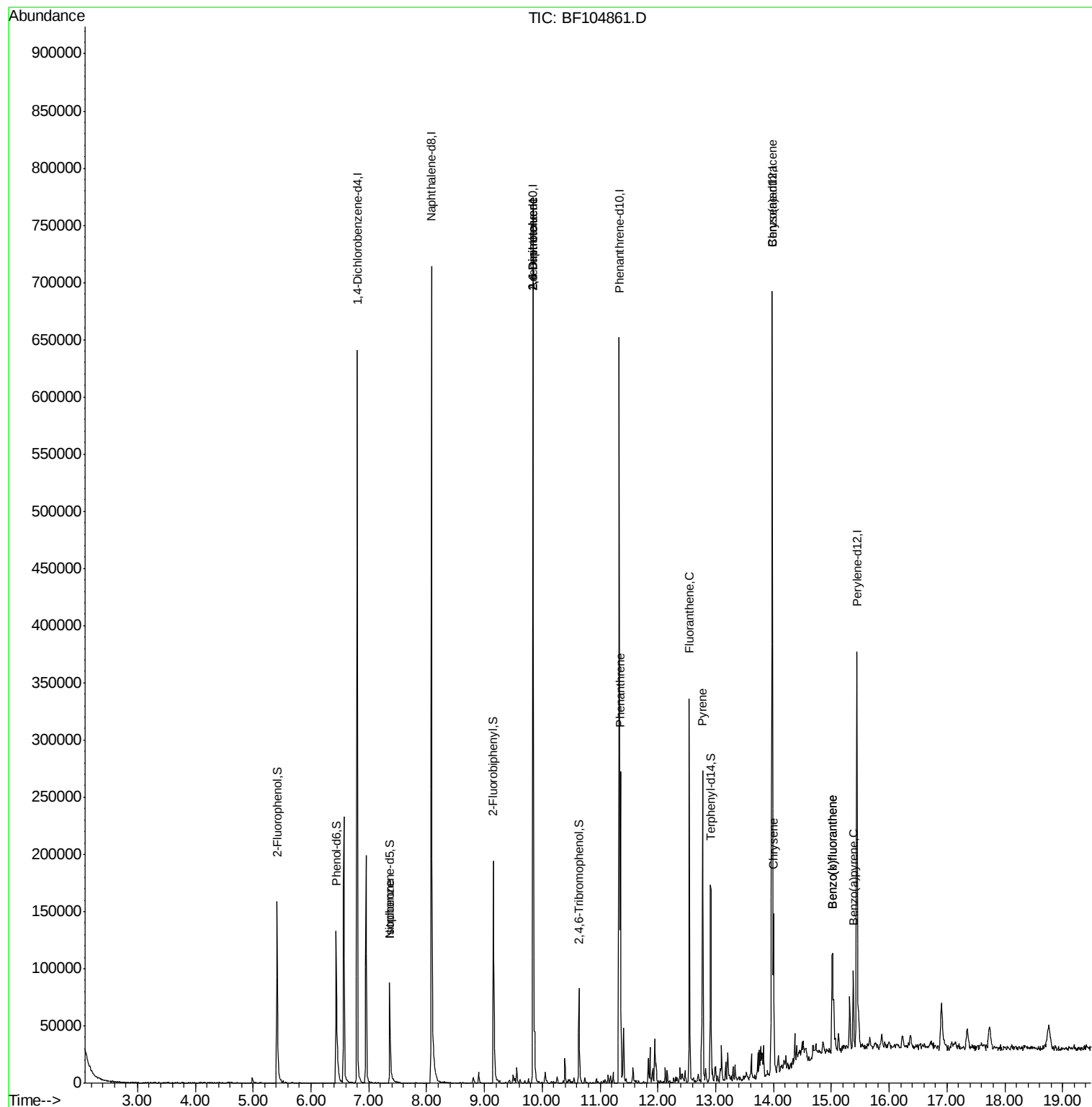
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	1379	Below Cal		# 79
25) Isophorone	7.36	82	43779	3.423	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	20160	8.685	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	20160	6.621	ng	# 23
70) Phenanthrene	11.35	178	102327	7.441	ng	96
74) Fluoranthene	12.55	202	125917	8.764	ng	97
76) Benzydine	12.92	184	756	Below Cal		# 66
77) Pyrene	12.77	202	108725	6.707	ng	98
80) Benzo(a)anthracene	13.97	228	54635	4.182	ng	100
82) Chrysene	14.00	228	53036	3.952	ng	94
87) Benzo(b)fluoranthene	15.02	252	64417	6.159	ng	# 93
88) Benzo(k)fluoranthene	15.02	252	64417	6.523	ng	96
89) Benzo(a)pyrene	15.38	252	32176	3.438	ng	97

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

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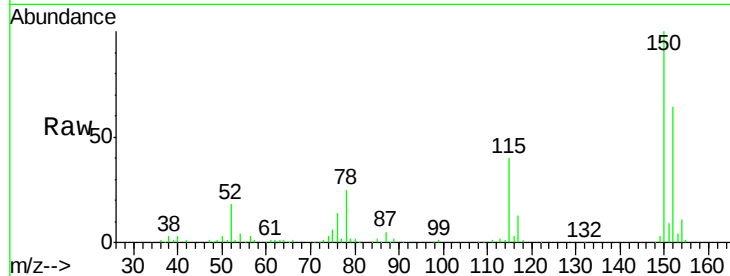


#1

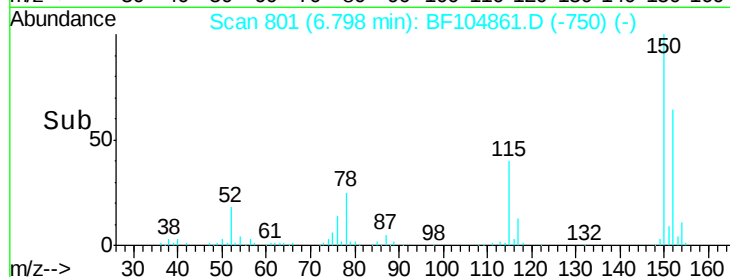
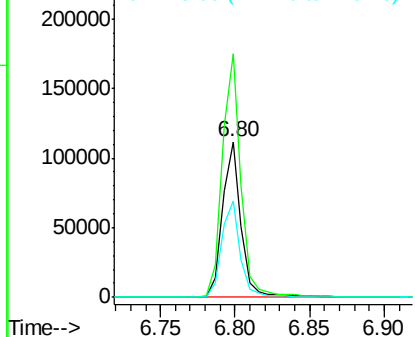
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104861.D
Acq: 27 Apr 2018 4:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97890
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 62.2 50.1 75.1



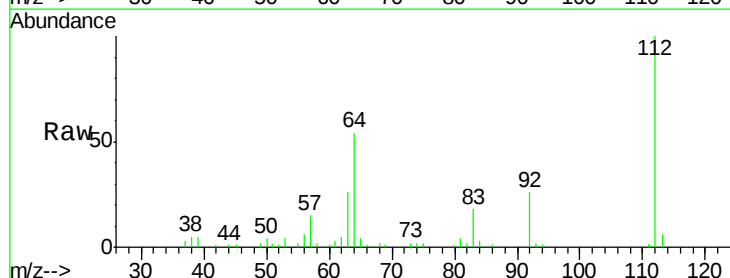
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



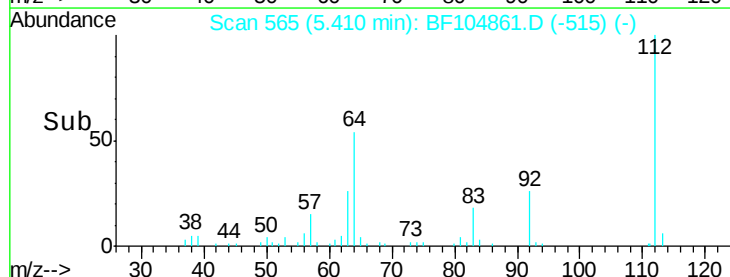
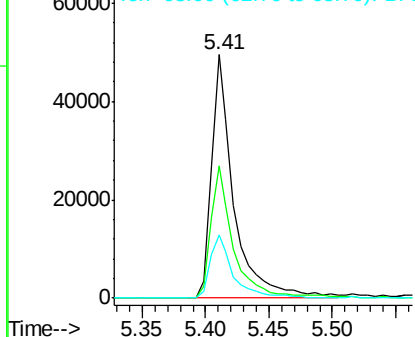
#5

2-Fluorophenol
Concen: 9.584 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104861.D
Acq: 27 Apr 2018 4:44

Tgt Ion:112 Resp: 61359
Ion Ratio Lower Upper
112 100
64 54.2 47.9 71.9
63 26.1 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: 9.579 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104861.D

Acq: 27 Apr 2018 4:44

Instrument :

BNA_F

ClientSampleId :

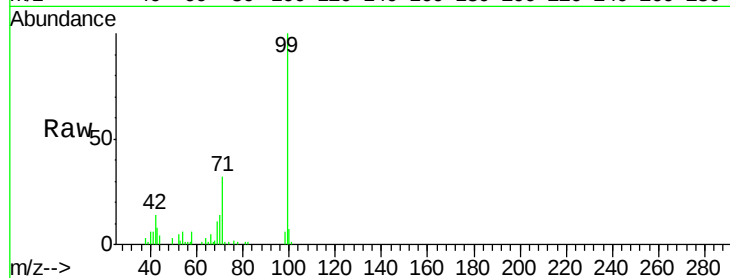
Tot Ion: 99 Resp: 75347

Ion Ratio Lower Upper

99 100

42 13.6 14.5 21.7#

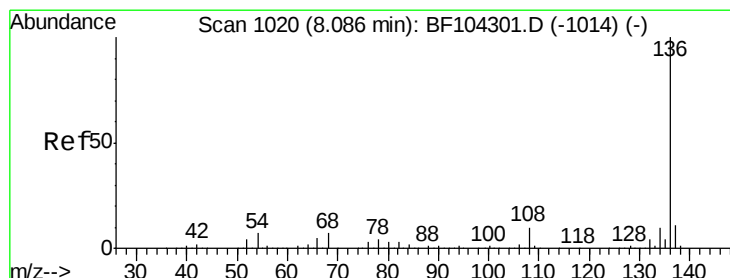
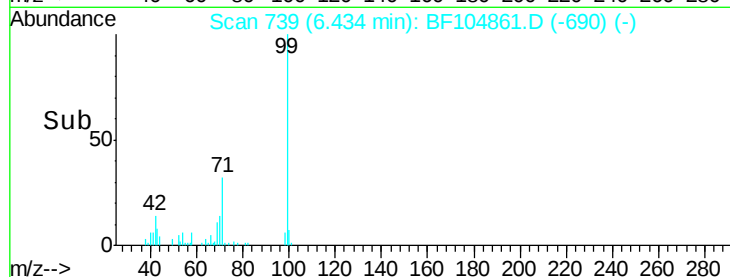
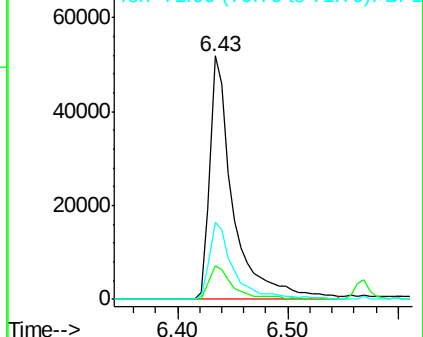
71 31.6 25.4 38.0



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: BF104861.D

Acq: 27 Apr 2018 4:44

Tgt Ion: 136 Resp: 394894

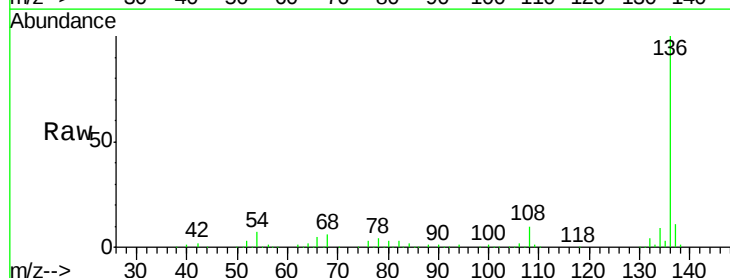
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.9 6.6 9.8

68 5.8 5.0 7.4

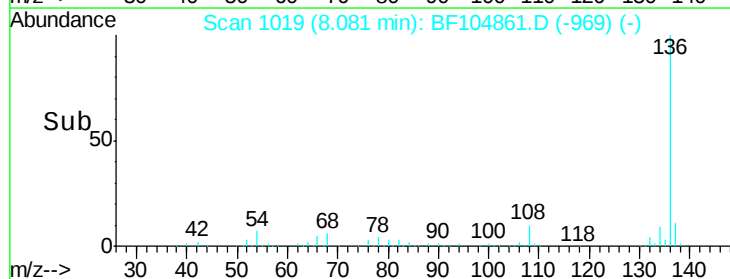
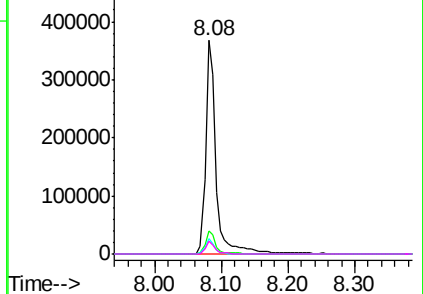


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

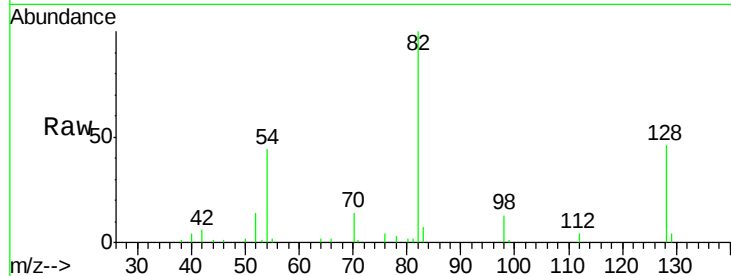




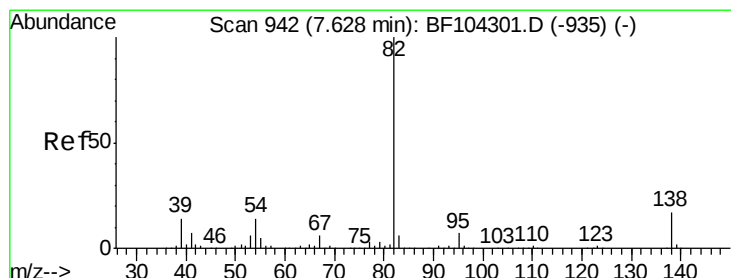
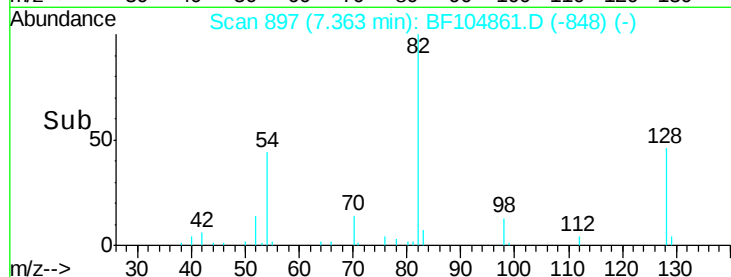
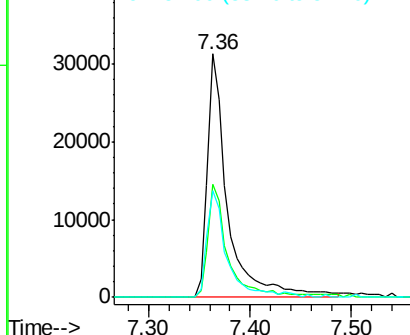
#23
Nitrobenzene-d5
Concen: 7.239 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104861.D
Acq: 27 Apr 2018 4:44

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	43779
Ion Ratio	Lower	Upper	
82	100		
128	46.2	36.1	54.1
54	43.6	41.4	62.2

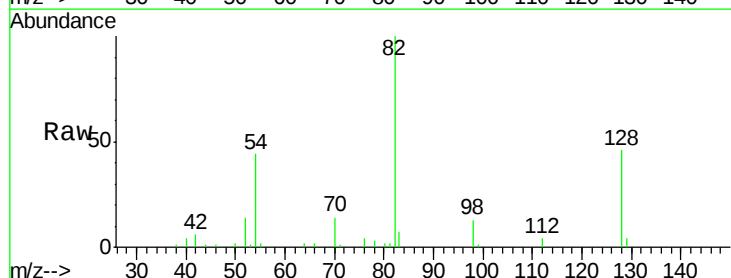


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

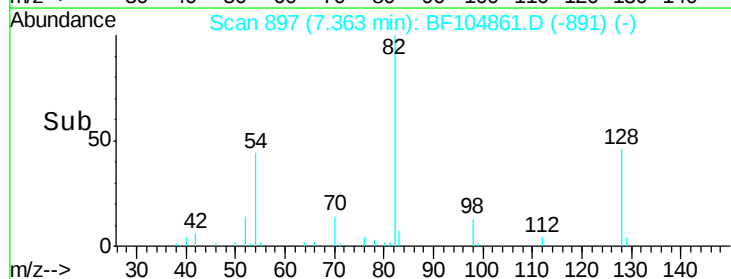
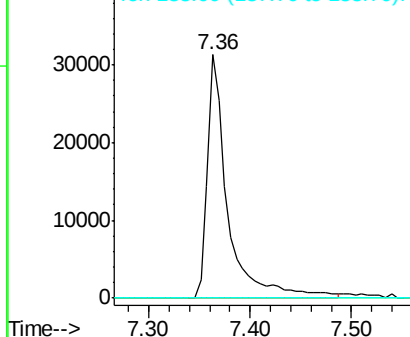


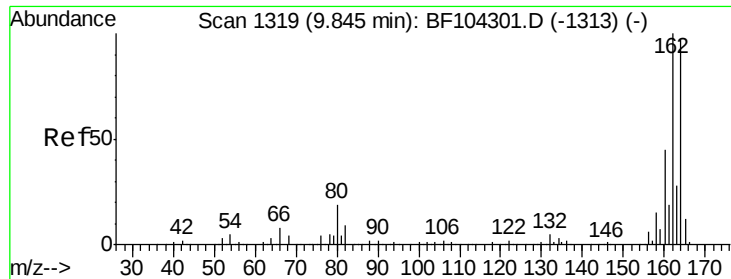
#25
Isophorone
Concen: 3.423 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF104861.D
Acq: 27 Apr 2018 4:44

Tgt Ion	82	Resp	43779
Ion Ratio	Lower	Upper	
82	100		
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

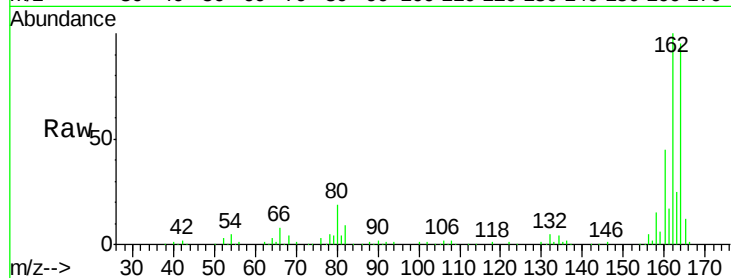




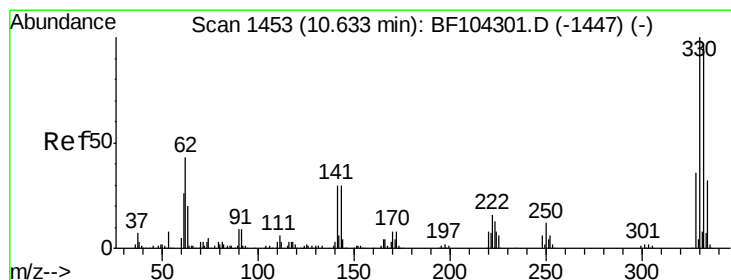
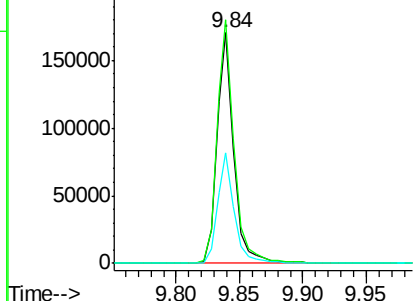
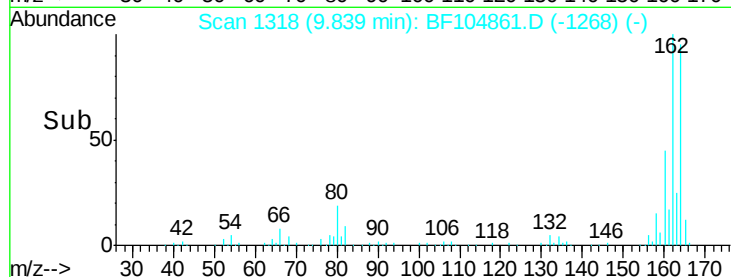
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104861.D
 Acq: 27 Apr 2018 4:44

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:164 Resp: 159080
 Ion Ratio Lower Upper
 164 100
 162 105.6 86.1 129.1
 160 47.8 38.3 57.5

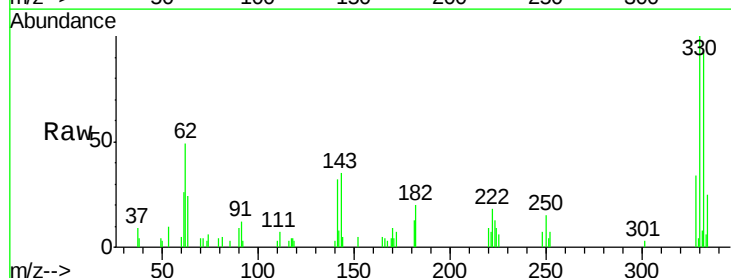


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

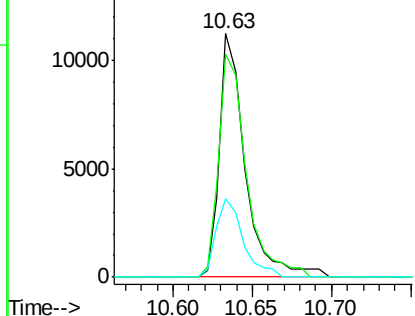
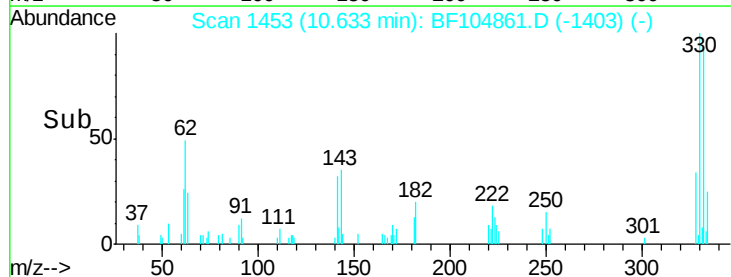


#41
 2,4,6-Tribromophenol
 Concen: 7.709 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104861.D
 Acq: 27 Apr 2018 4:44

Tgt Ion:330 Resp: 12722
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.0 115.6
 141 33.8 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

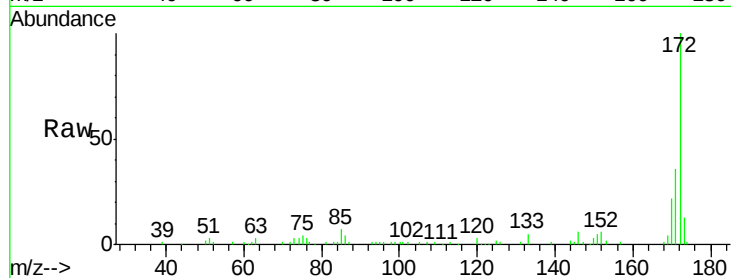




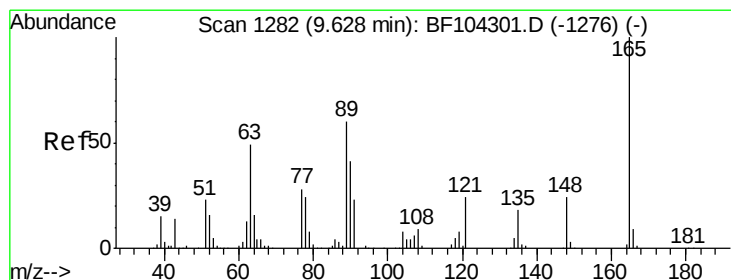
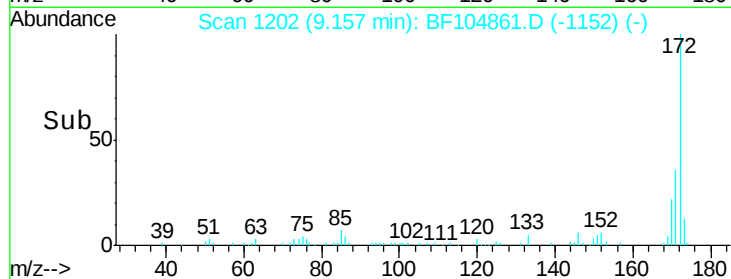
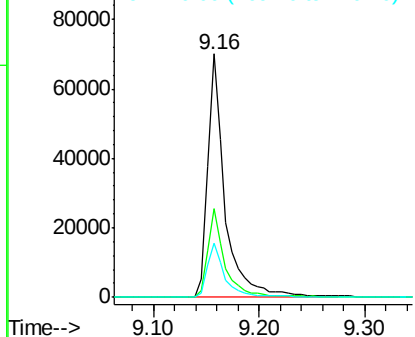
#44
 2-Fluorobiphenyl
 Concen: 7.954 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104861.D
 Acq: 27 Apr 2018 4:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 80099
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 22.3 19.6 29.4

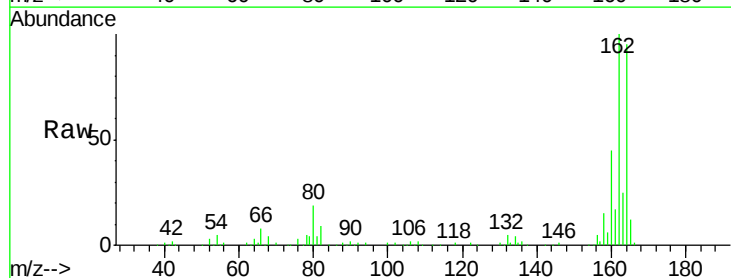


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

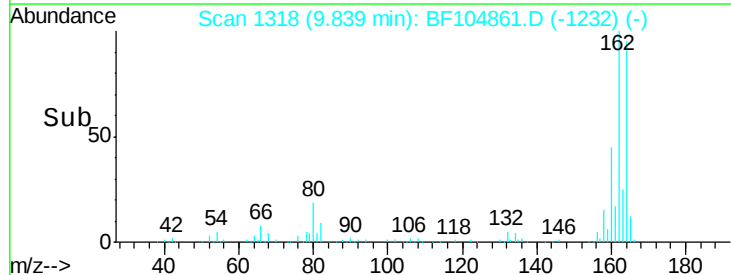
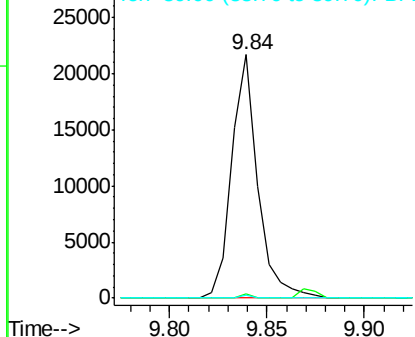


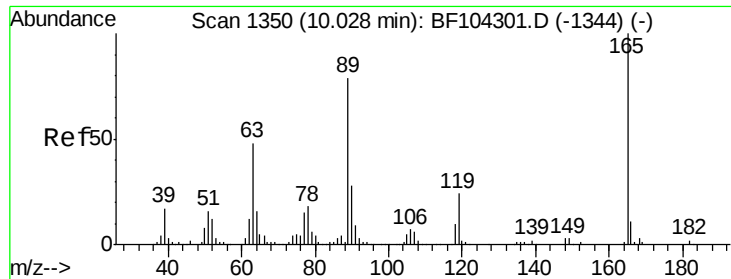
#50
 2,6-Dinitrotoluene
 Concen: 8.685 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104861.D
 Acq: 27 Apr 2018 4:44

Tgt Ion:165 Resp: 20160
 Ion Ratio Lower Upper
 165 100
 63 1.7 44.7 67.1#
 89 1.4 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

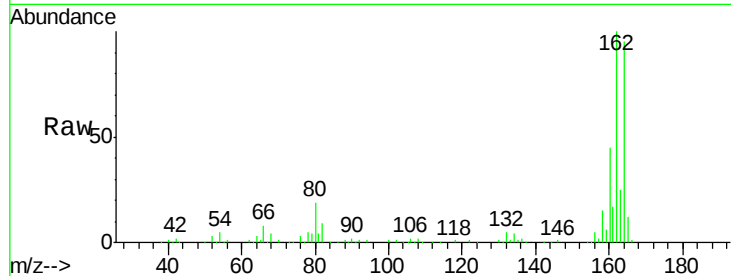




#56
2,4-Dinitrotoluene
Concen: 6.621 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104861.D
Acq: 27 Apr 2018 4:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	20160
Ion Ratio	Lower	Upper
165	100	
63	1.7	36.4 54.6#
89	1.4	57.8 86.6#
182	0.0	1.6 2.4#

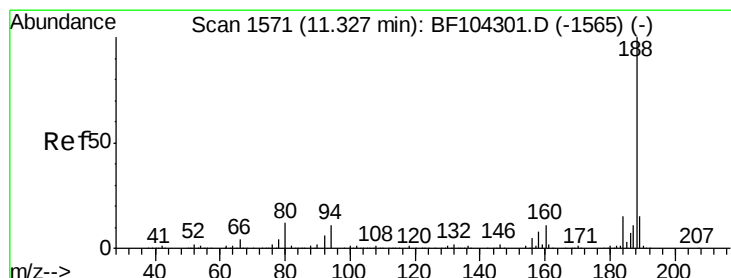
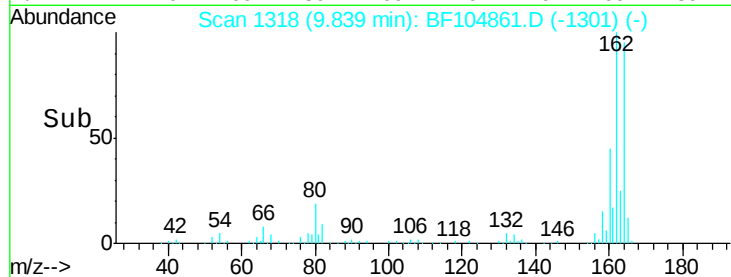
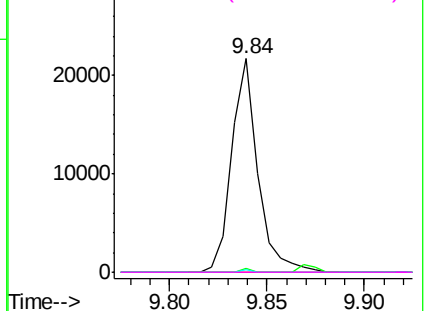


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

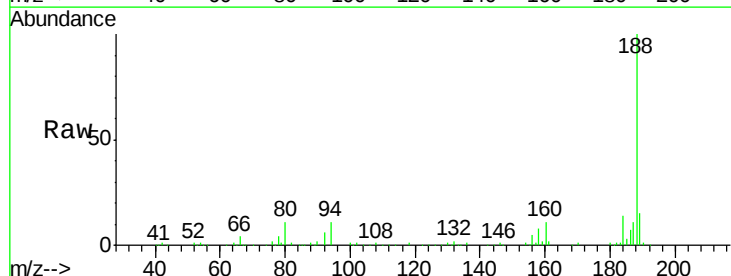
Ion 89.00 (88.70 to 89.70): BF1

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: BF104861.D
Acq: 27 Apr 2018 4:44

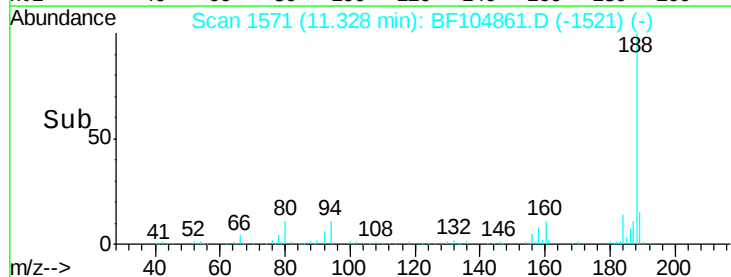
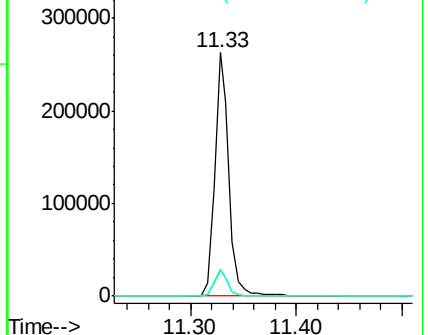
Tgt Ion:188	Resp:	246940
Ion Ratio	Lower	Upper
188	100	
94	10.5	8.5 12.7
80	11.4	9.2 13.8

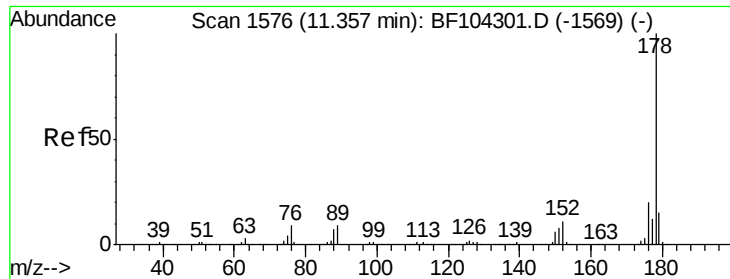


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

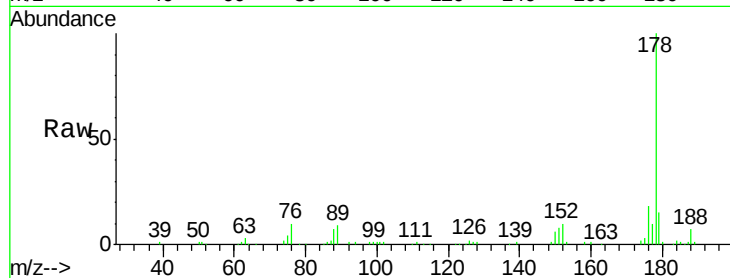




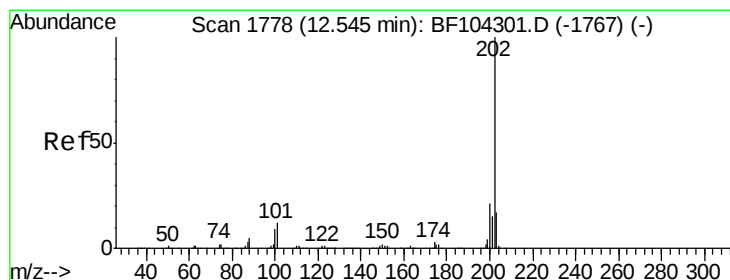
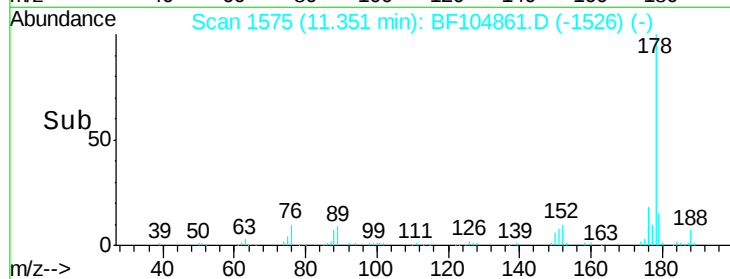
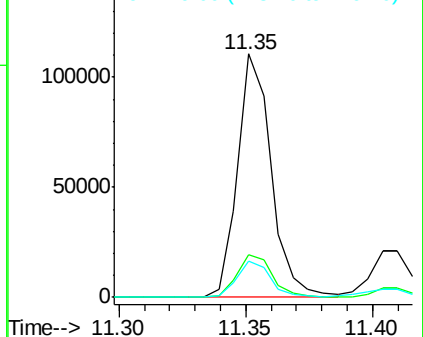
#70
Phenanthrene
Concen: 7.441 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104861.D
Acq: 27 Apr 2018 4:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 102327
Ion Ratio Lower Upper
178 100
176 17.7 15.8 23.8
179 14.9 13.0 19.6

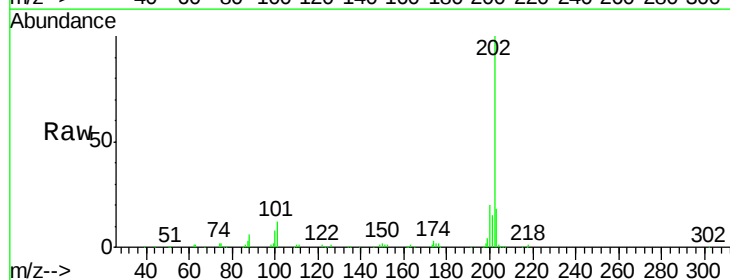


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

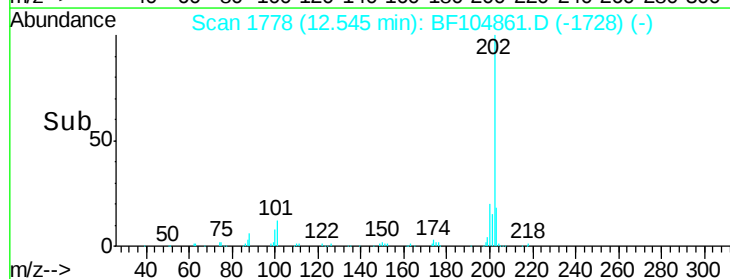
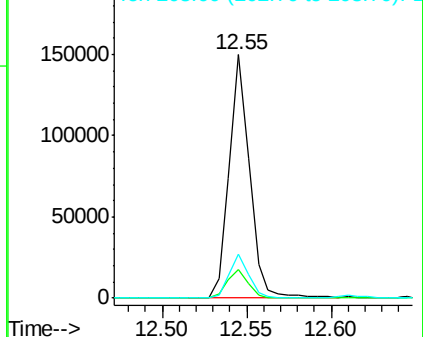


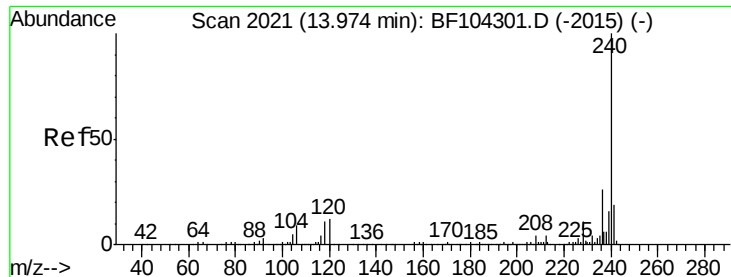
#74
Fluoranthene
Concen: 8.764 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104861.D
Acq: 27 Apr 2018 4:44

Tgt Ion:202 Resp: 125917
Ion Ratio Lower Upper
202 100
101 11.8 0.0 34.1
203 17.9 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: BF104861.D

Acq: 27 Apr 2018 4:44

Instrument :

BNA_F

ClientSampled :

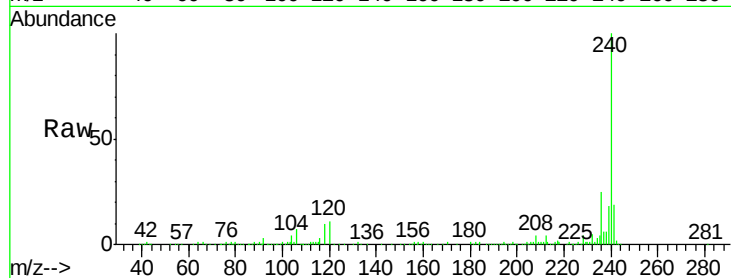
Tot Ion:240 Resp: 218696

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

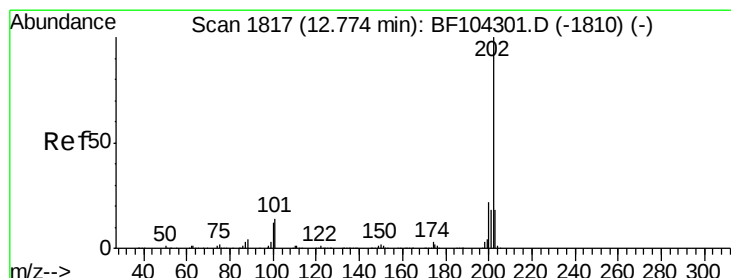
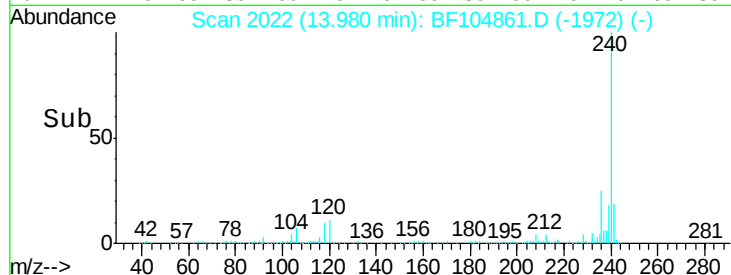
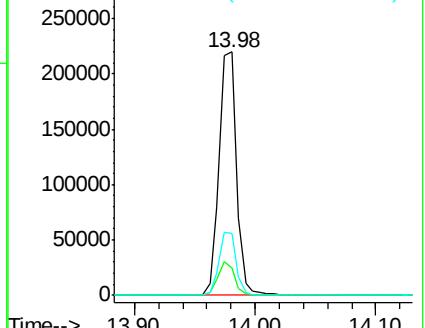
236 25.3 20.7 31.1



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: 6.707 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104861.D

Acq: 27 Apr 2018 4:44

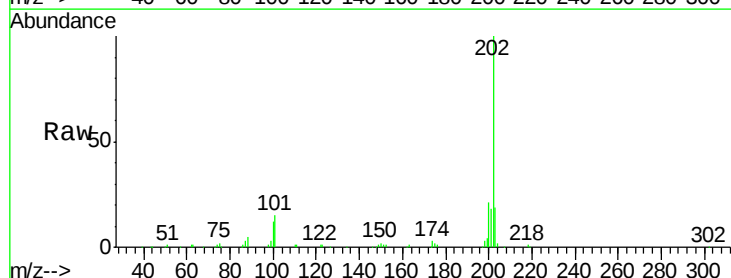
Tgt Ion:202 Resp: 108725

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

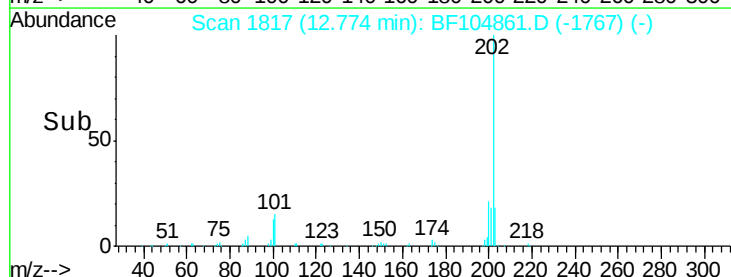
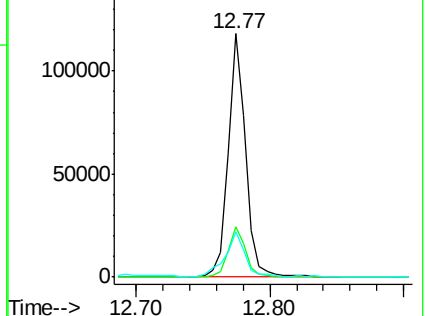
203 18.6 14.3 21.5

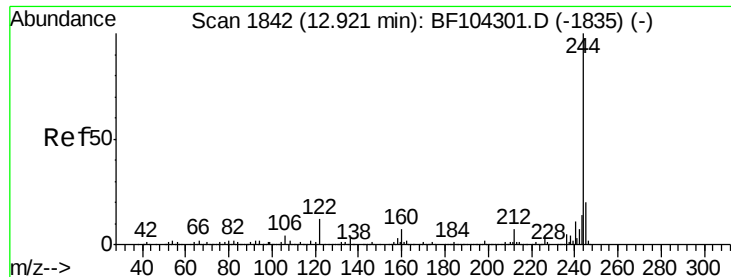


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

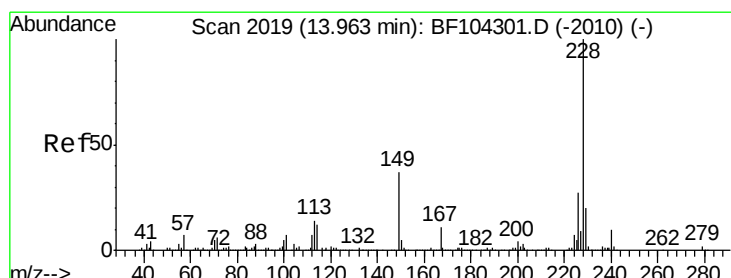
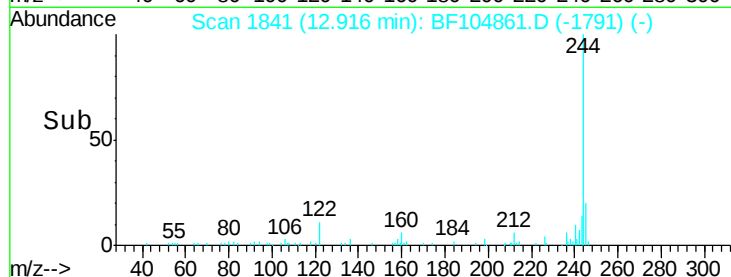
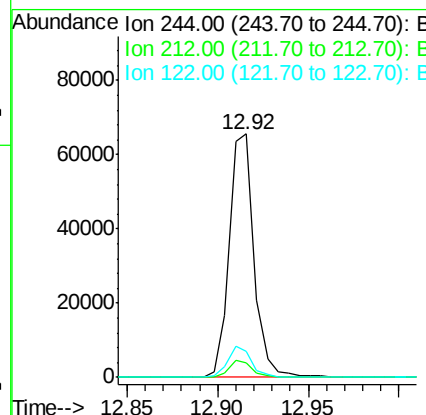
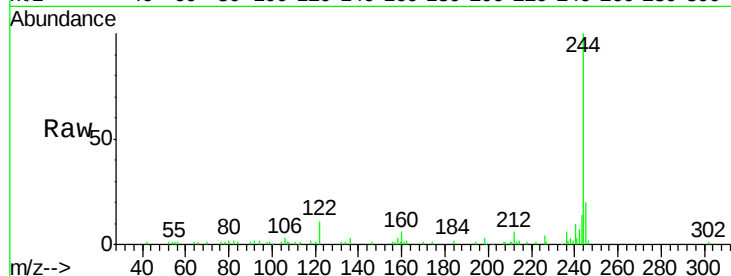




#78
 Terphenyl-d14
 Concen: 6.499 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104861.D
 Acq: 27 Apr 2018 4:44

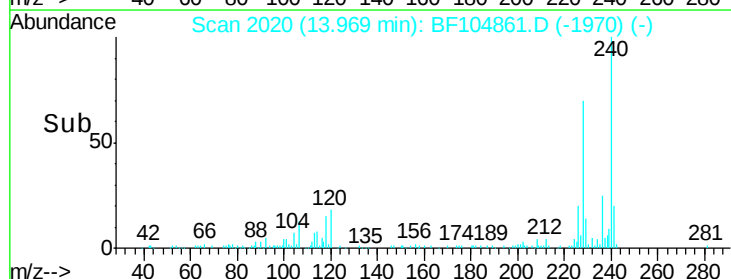
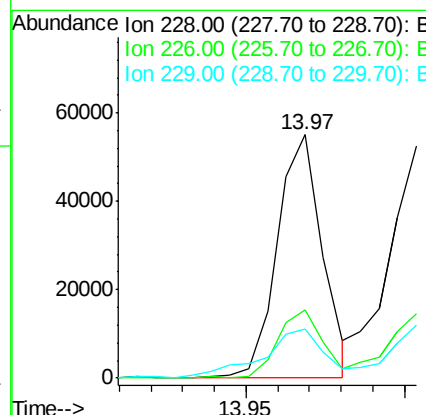
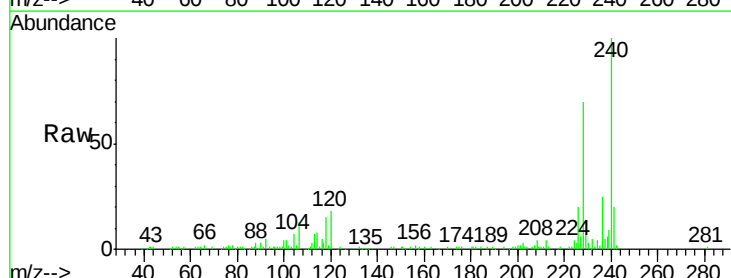
Instrument :
 BNA_F
 ClientSampleId :

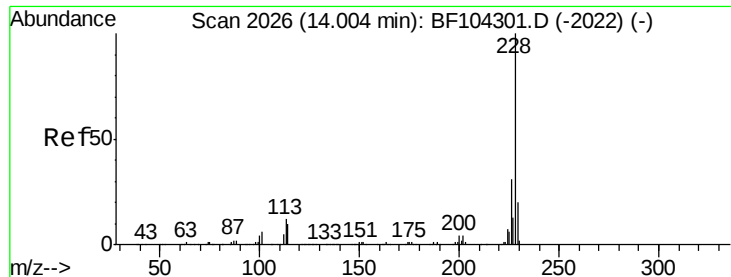
Tot Ion:244 Resp: 62347
 Ion Ratio Lower Upper
 244 100
 212 5.8 5.4 8.0
 122 10.7 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 4.182 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104861.D
 Acq: 27 Apr 2018 4:44

Tgt Ion:228 Resp: 54635
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.6 33.8
 229 20.0 15.8 23.6





#82

Chrysene

Concen: 3.952 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF104861.D

Acq: 27 Apr 2018 4:44

Instrument :

BNA_F

ClientSampleId :

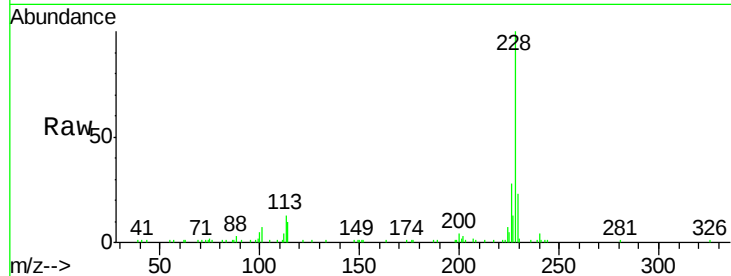
Tot Ion:228 Resp: 53036

Ion Ratio Lower Upper

228 100

226 27.8 25.0 37.6

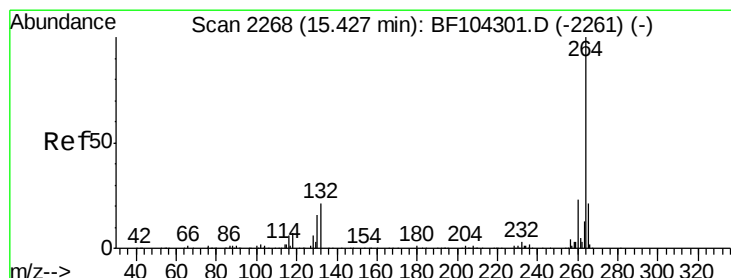
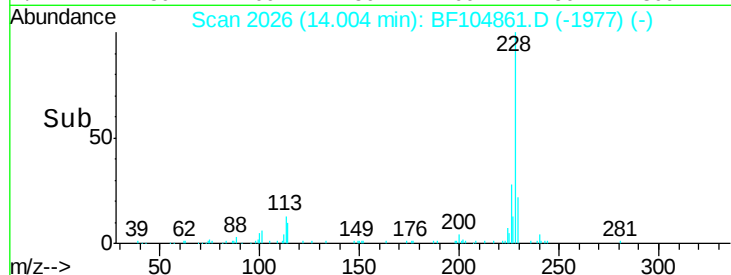
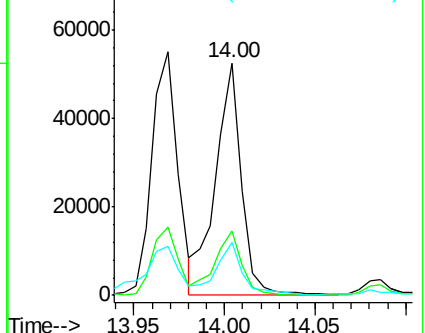
229 22.7 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF104861.D

Acq: 27 Apr 2018 4:44

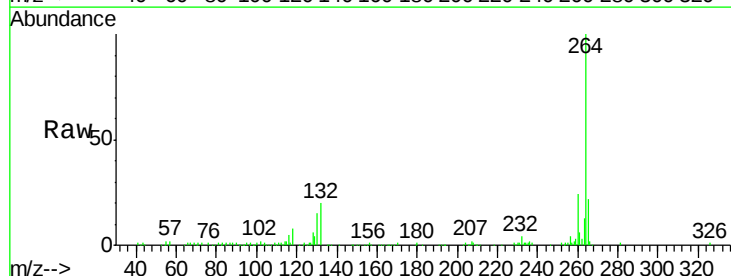
Tgt Ion:264 Resp: 165612

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

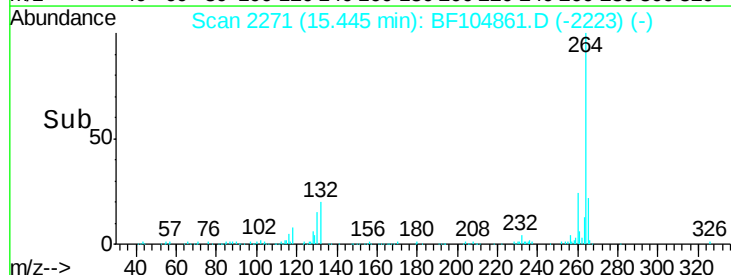
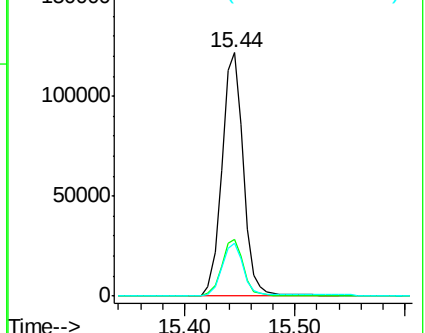
265 21.5 17.5 26.3

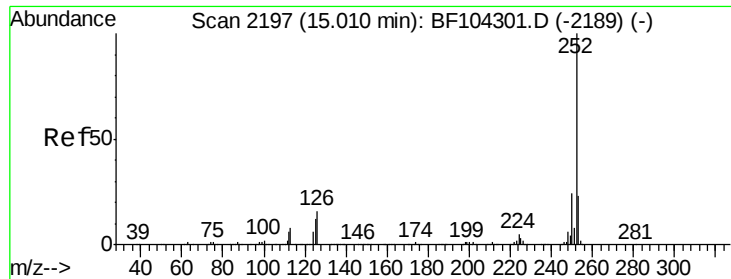


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

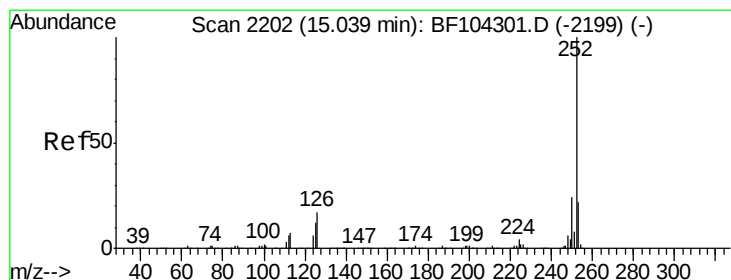
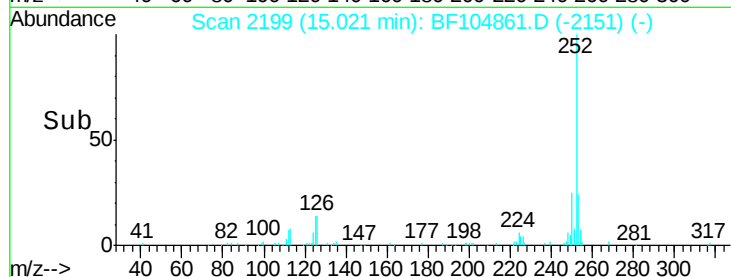
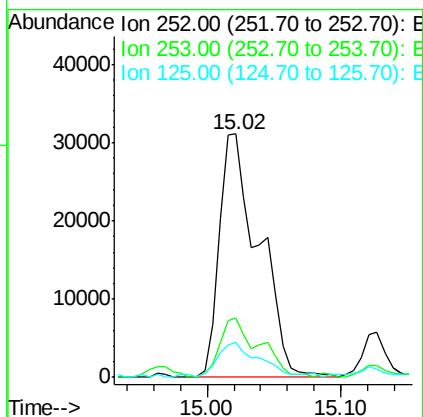
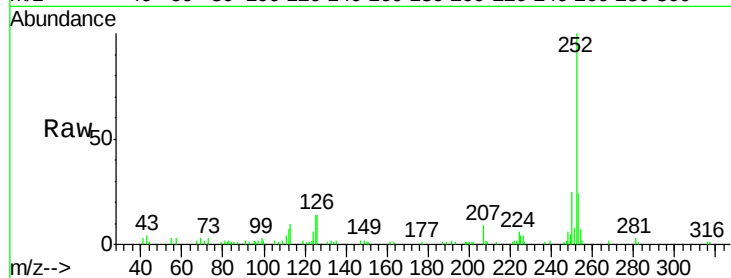




#87
Benzo(b)fluoranthene
Concen: 6.159 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104861.D
Acq: 27 Apr 2018 4:44

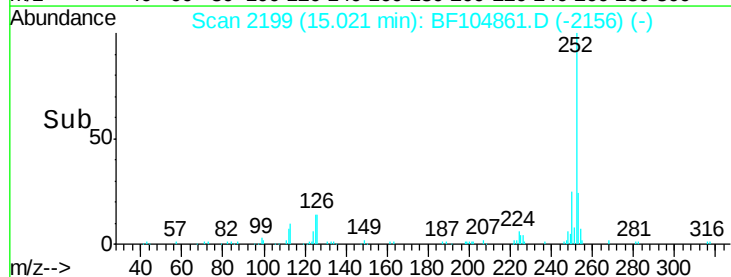
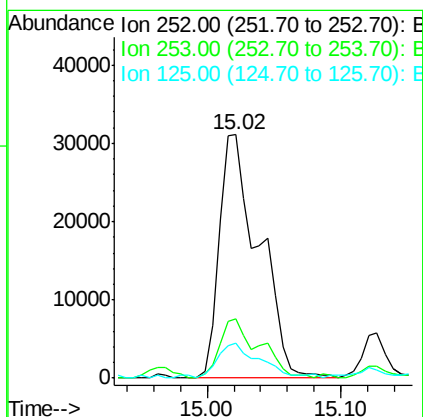
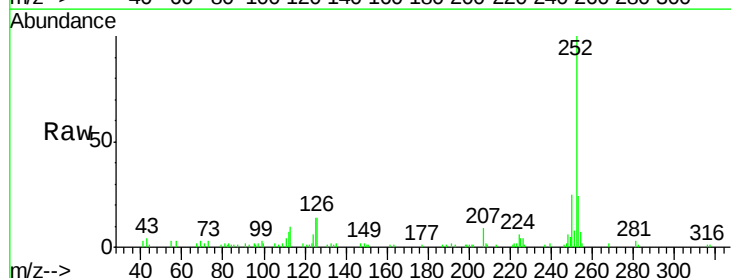
Instrument :
BNA_F
ClientSampleId :

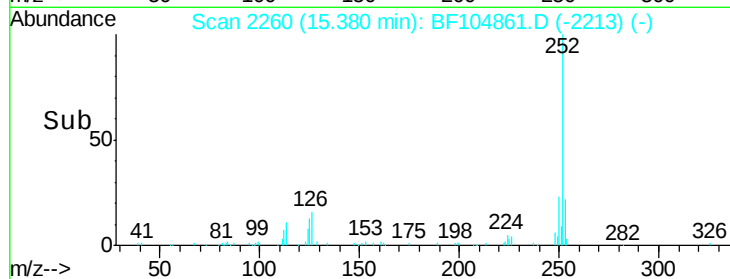
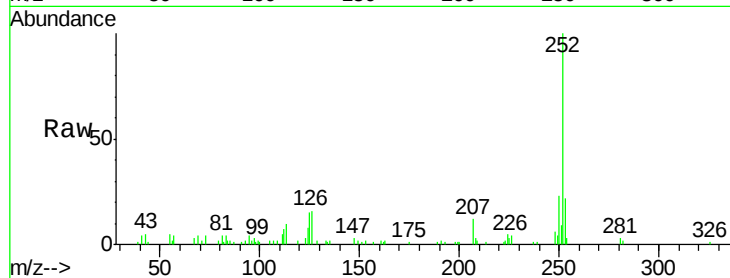
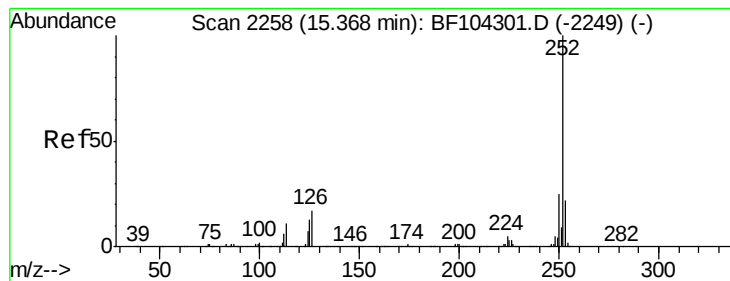
Tot Ion:252 Resp: 64417
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 14.4 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 6.523 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF104861.D
Acq: 27 Apr 2018 4:44

Tgt Ion:252 Resp: 64417
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 14.4 10.2 15.2





#89

Benzo(a)pyrene

Concen: 3.438 ng

RT: 15.38 min Scan# 2260

Delta R.T. -0.02 min

Lab File: BF104861.D

Acq: 27 Apr 2018 4:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 32176

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

125 14.5 9.8 14.6

