

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
 Data File : BF101861.D
 Acq On : 3 Jan 2018 15:50
 Operator : SJ/JU
 Sample : I6680-27 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 00:07:15 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

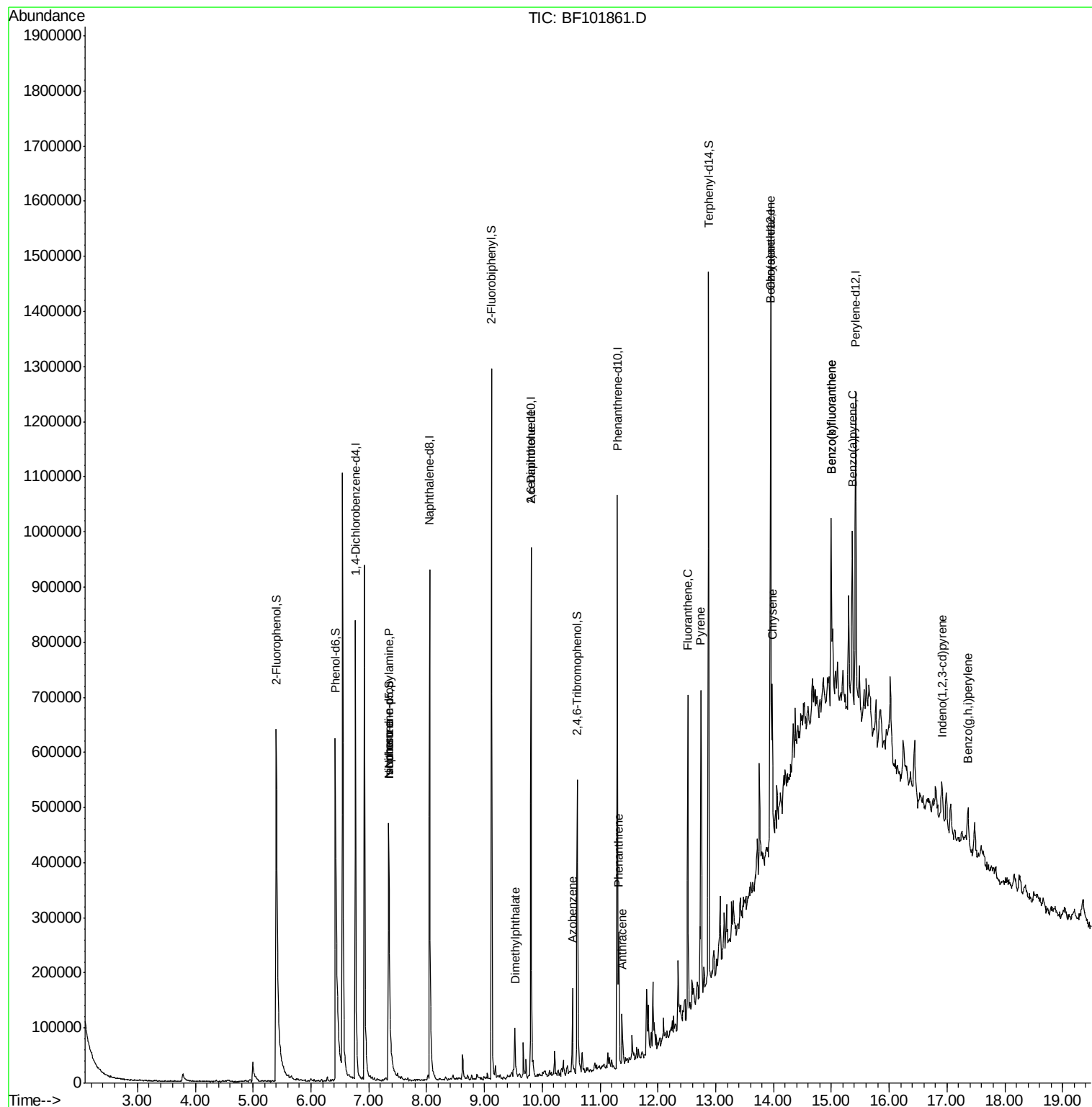
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	144674	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	483604	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	181245	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	354600	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	374772	20.00	ng	-0.02
86) Perylene-d12	15.42	264	318682	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	401122	41.30	ng	0.00
7) Phenol-d6	6.42	99	454499	37.60	ng	-0.01
23) Nitrobenzene-d5	7.35	82	257894	29.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	75379	43.16	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	396653	33.95	ng	-0.02
78) Terphenyl-d14	12.87	244	414516	26.66	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	34416	4.336	ng	# 80
25) Isophorone	7.35	82	257894	14.798	ng	# 64
49) Dimethylphthalate	9.53	163	43028	2.951	ng	# 98
50) 2,6-Dinitrotoluene	9.80	165	23192	7.827	ng	# 26
62) Azobenzene	10.52	77	31019	2.074	ng	# 1
70) Phenanthrene	11.32	178	97730	4.956	ng	98
71) Anthracene	11.38	178	41939	2.082	ng	99
74) Fluoranthene	12.52	202	232361	11.226	ng	99
77) Pyrene	12.75	202	245175	8.717	ng	99
80) Benzo(a)anthracene	13.94	228	135811	5.488	ng	97
82) Chrysene	13.97	228	127514	5.457	ng	97
85) Indeno(1,2,3-cd)pyrene	16.92	276	58941	2.833	ng	# 91
87) Benzo(b)fluoranthene	15.00	252	209976	10.810	ng	# 93
88) Benzo(k)fluoranthene	15.00	252	209976	11.118	ng	# 96
89) Benzo(a)pyrene	15.36	252	112518	6.284	ng	# 95
91) Benzo(g,h,i)perylene	17.36	276	60430	3.969	ng	# 95

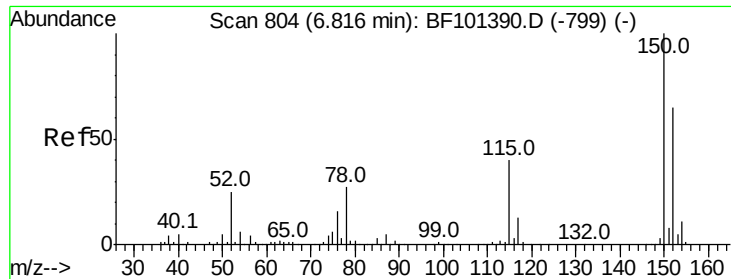
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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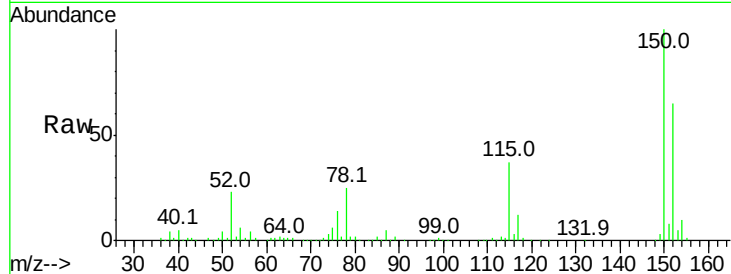


#1

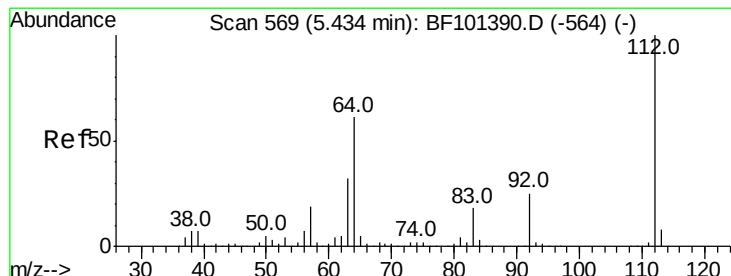
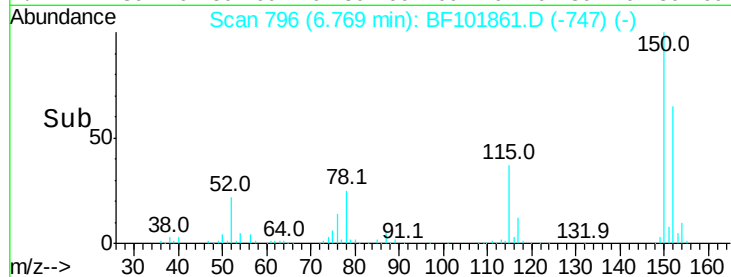
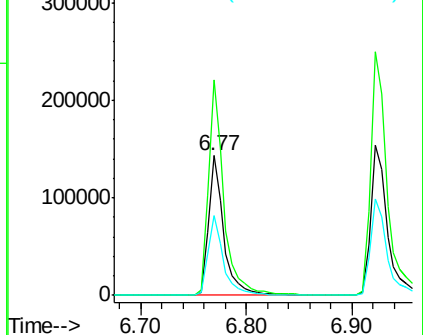
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101861.D
Acq: 3 Jan 2018 15:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144674
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 57.6 50.1 75.1



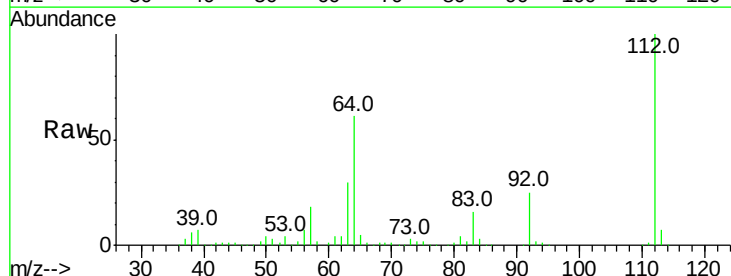
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



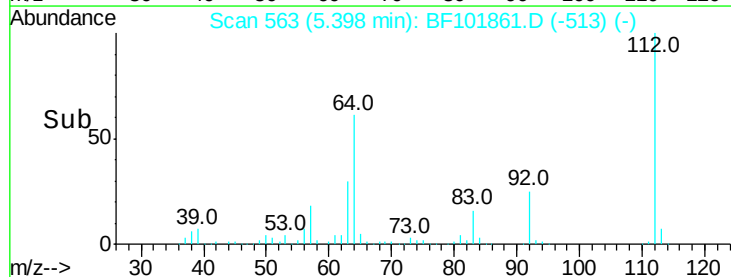
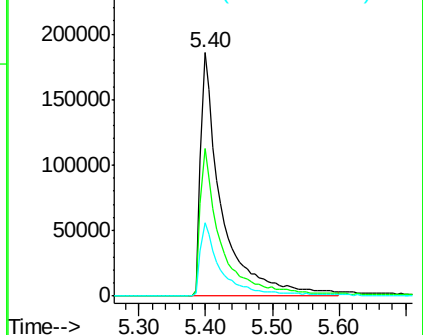
#5

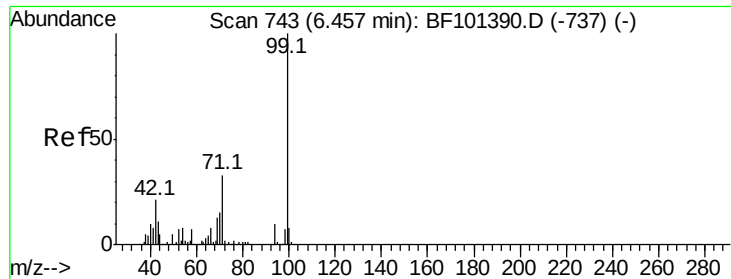
2-Fluorophenol
Concen: 41.300 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF101861.D
Acq: 3 Jan 2018 15:50

Tgt Ion:112 Resp: 401122
Ion Ratio Lower Upper
112 100
64 60.8 47.9 71.9
63 29.9 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: 37.601 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF101861.D

Acq: 3 Jan 2018 15:50

Instrument :

BNA_F

ClientSampleId :

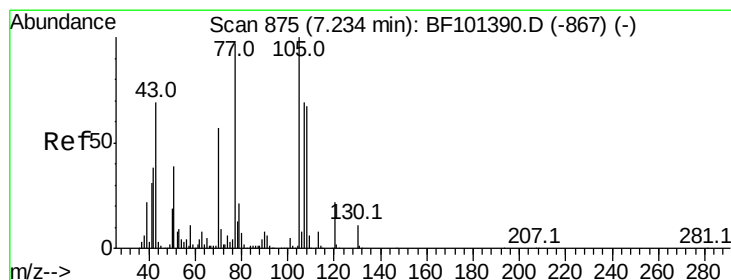
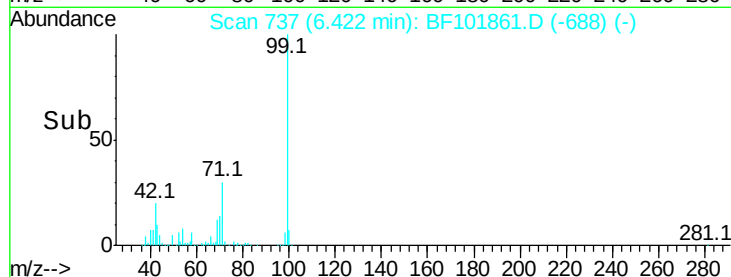
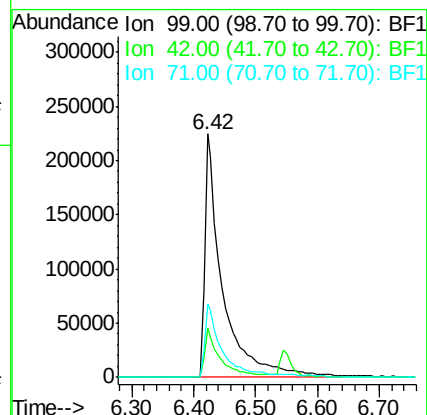
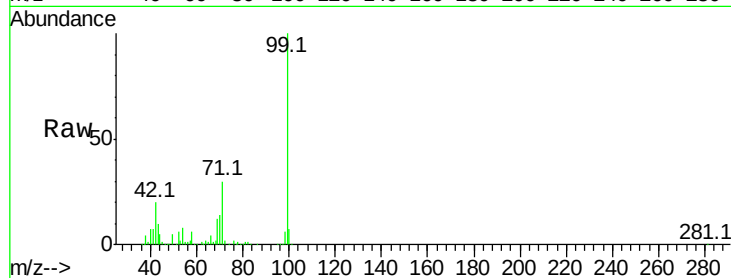
Tot Ion: 99 Resp: 454499

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

71 30.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.336 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF101861.D

Acq: 3 Jan 2018 15:50

Tgt Ion: 70 Resp: 34416

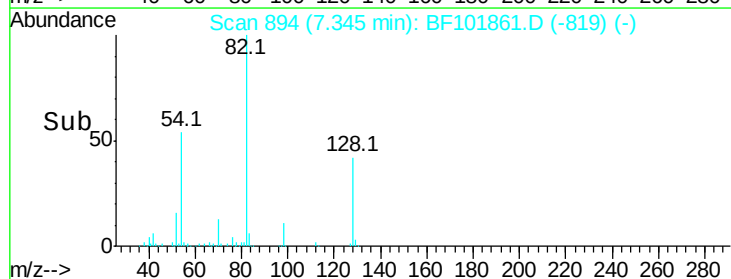
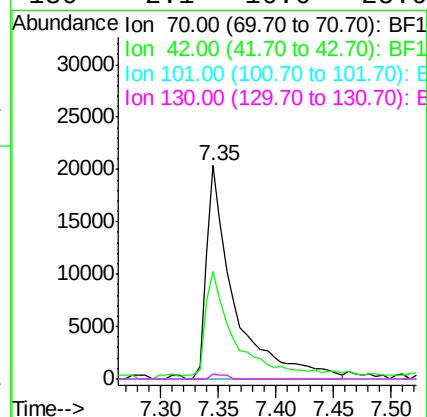
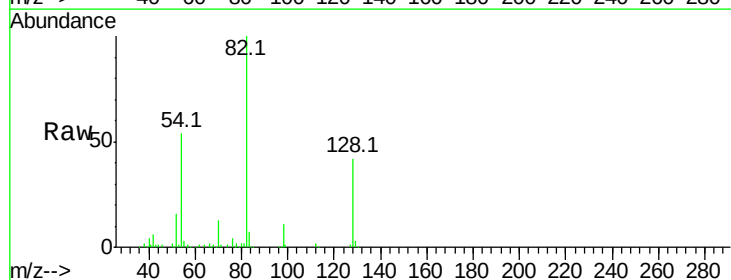
Ion Ratio Lower Upper

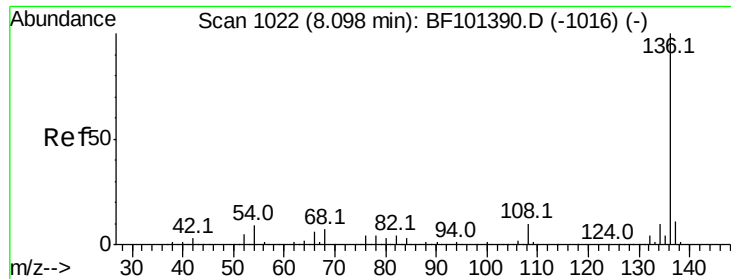
70 100

42 50.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

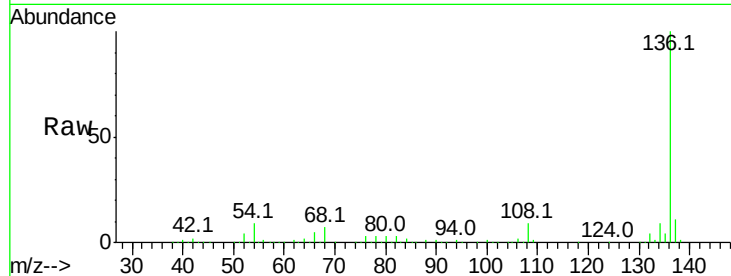




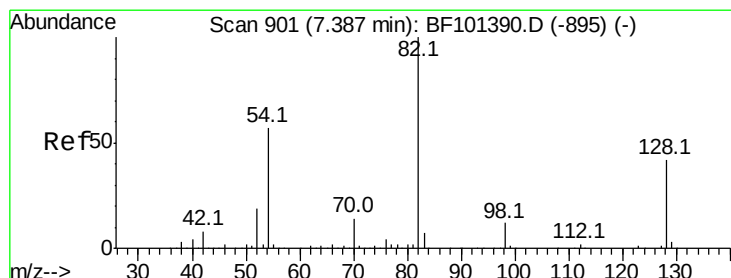
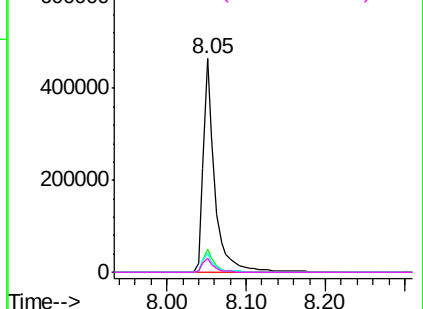
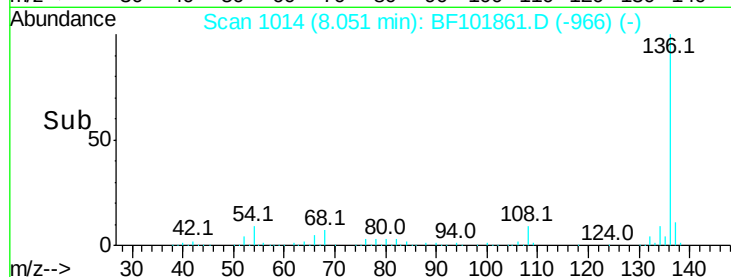
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BF101861.D
Acq: 3 Jan 2018 15:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	483604
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.7	6.6	9.8
68	6.8	5.0	7.4

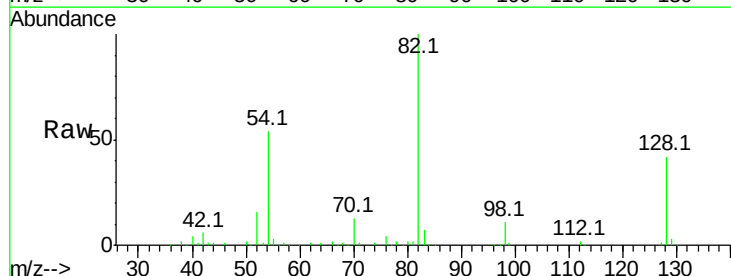


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

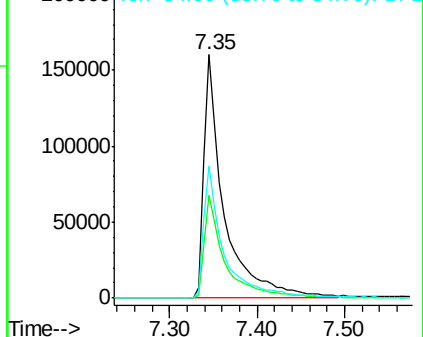
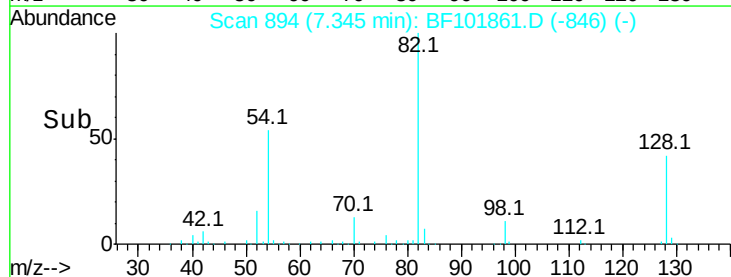


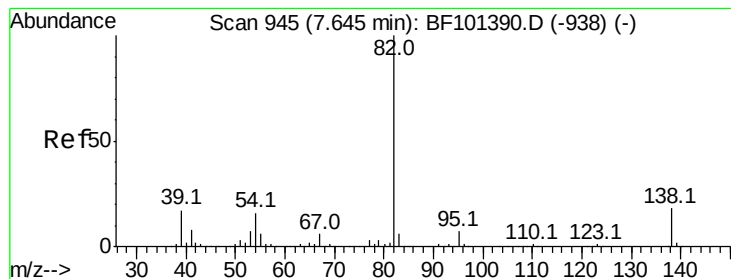
#23
Nitrobenzene-d5
Concen: 29.685 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF101861.D
Acq: 3 Jan 2018 15:50

Tgt Ion:	82	Resp:	257894
Ion	Ratio	Lower	Upper
82	100		
128	42.3	36.1	54.1
54	54.2	41.4	62.2



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





#25

Isophorone

Concen: 14.798 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF101861.D

Acq: 3 Jan 2018 15:50

Instrument :

BNA_F

ClientSampleId :

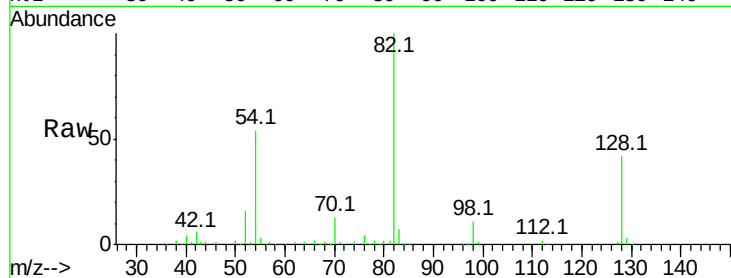
Tot Ion: 82 Resp: 257894

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

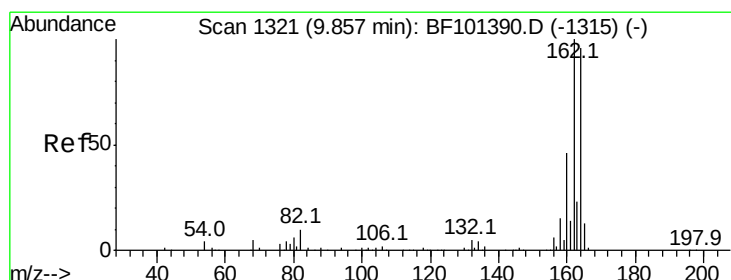
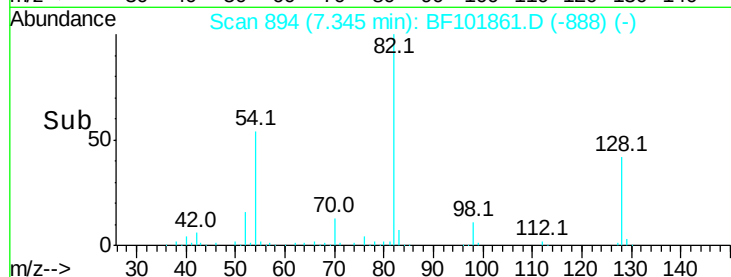
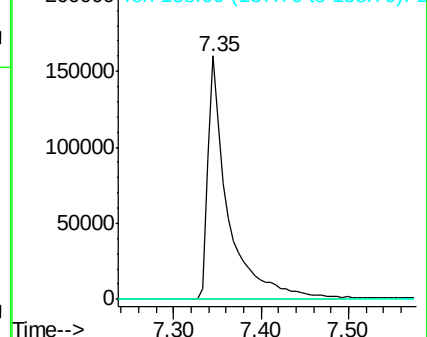
138 0.0 14.9 22.3#



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: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF101861.D

Acq: 3 Jan 2018 15:50

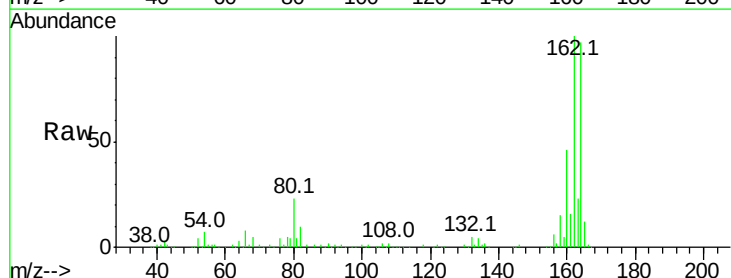
Tgt Ion:164 Resp: 181245

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

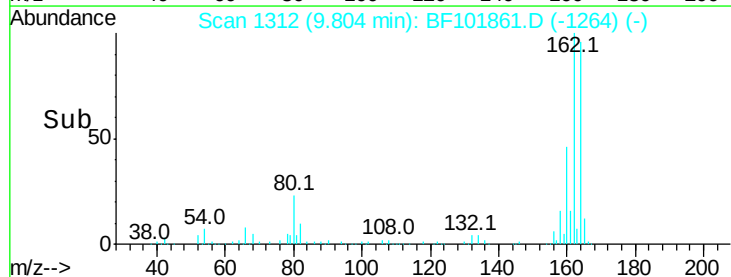
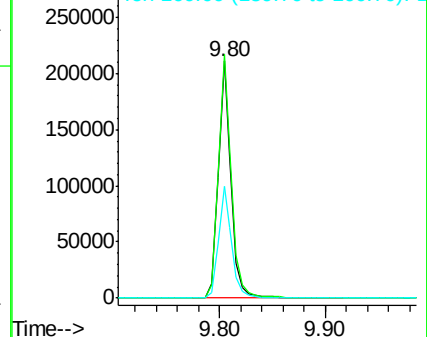
160 47.0 38.3 57.5

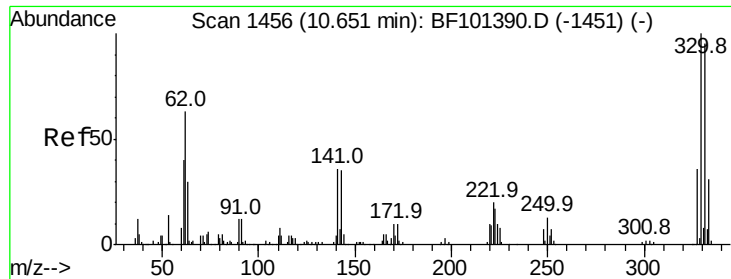


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

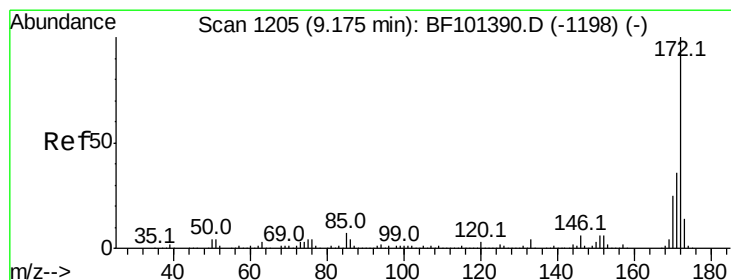
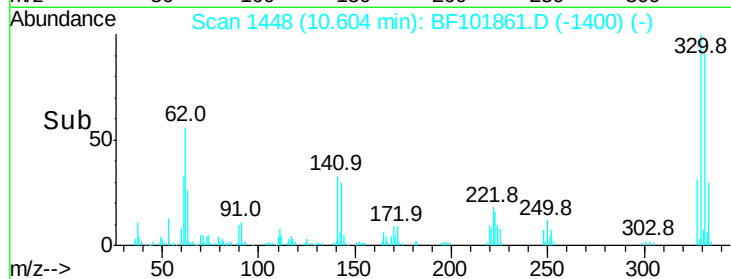
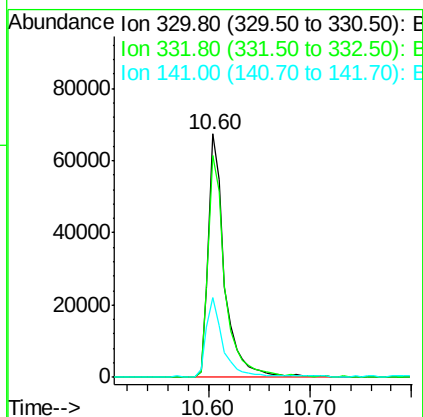
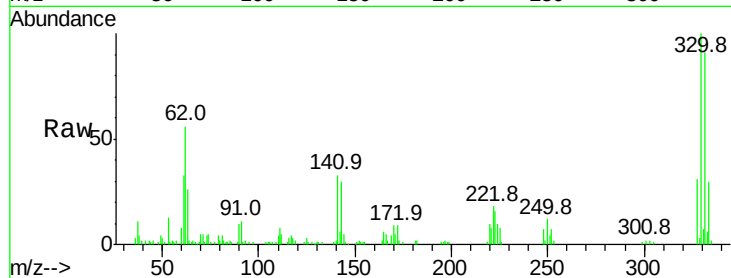




#41
 2,4,6-Tribromophenol
 Concen: 43.162 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.02 min
 Lab File: BF101861.D
 Acq: 3 Jan 2018 15:50

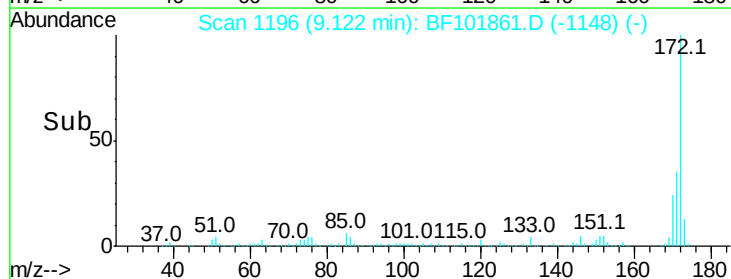
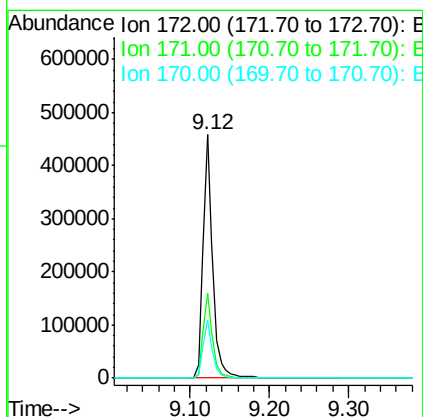
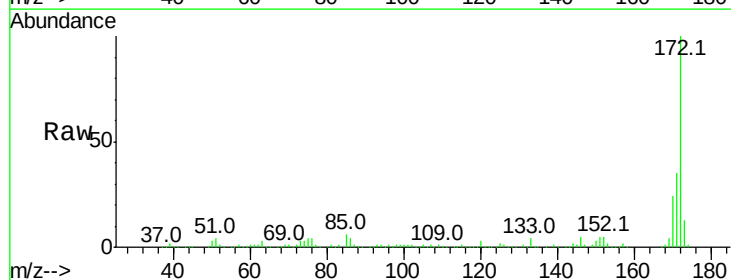
Instrument :
 BNA_F
 ClientSampled :

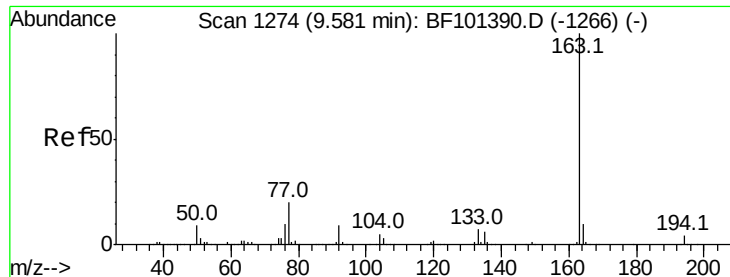
Tot Ion:330 Resp: 75379
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 33.9 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 33.949 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.02 min
 Lab File: BF101861.D
 Acq: 3 Jan 2018 15:50

Tgt Ion:172 Resp: 396653
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.7 44.5
 170 23.7 19.6 29.4





#49

Dimethylphthalate

Concen: 2.951 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF101861.D

Acq: 3 Jan 2018 15:50

Instrument :

BNA_F

ClientSampled :

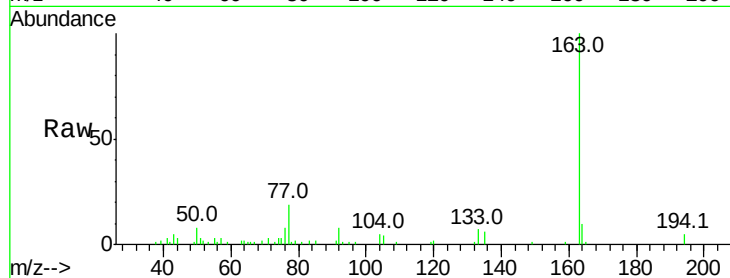
Tot Ion:163 Resp: 43028

Ion Ratio Lower Upper

163 100

194 4.7 2.7 4.1#

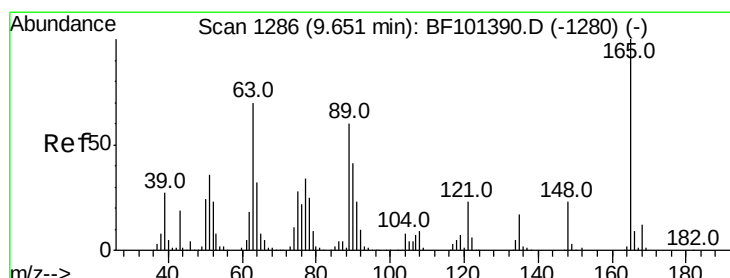
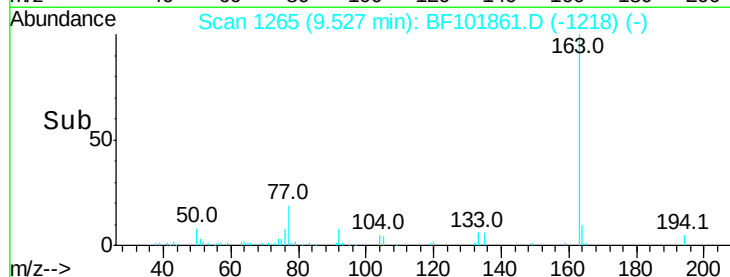
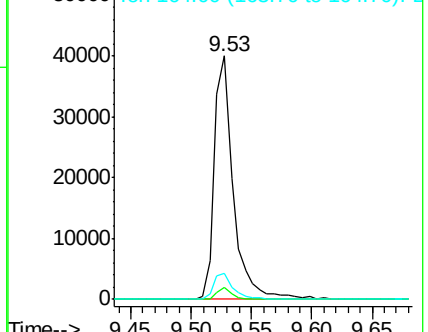
164 10.5 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.827 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.18 min

Lab File: BF101861.D

Acq: 3 Jan 2018 15:50

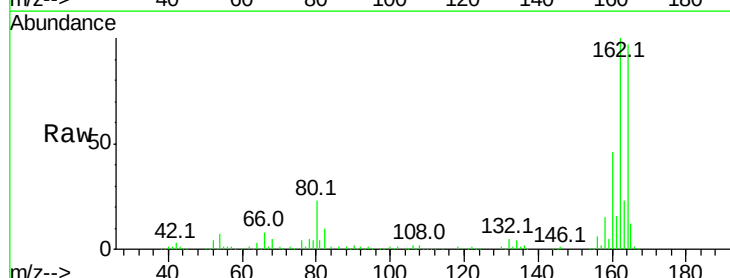
Tgt Ion:165 Resp: 23192

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

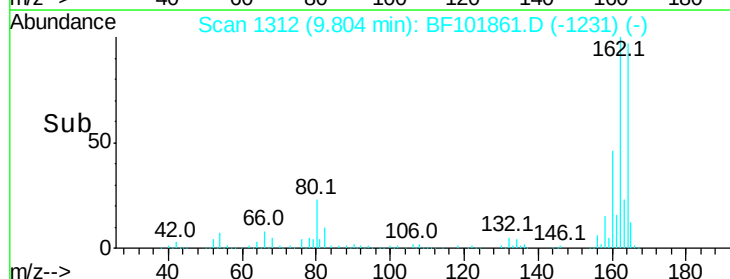
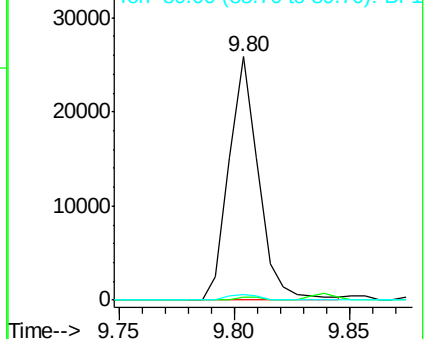
89 2.3 44.0 66.0#

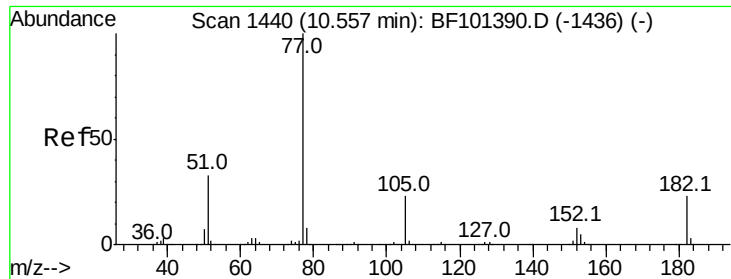


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#62

Azobenzene

Concen: 2.074 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BF101861.D

Acq: 3 Jan 2018 15:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 31019

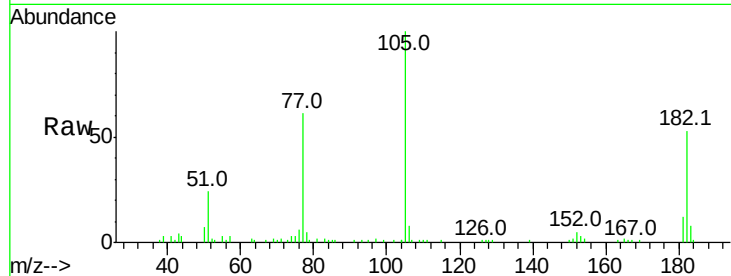
Ion Ratio Lower Upper

77 100

182 87.6 1.7 41.7#

105 163.8 3.0 43.0#

51 39.6 9.9 49.9

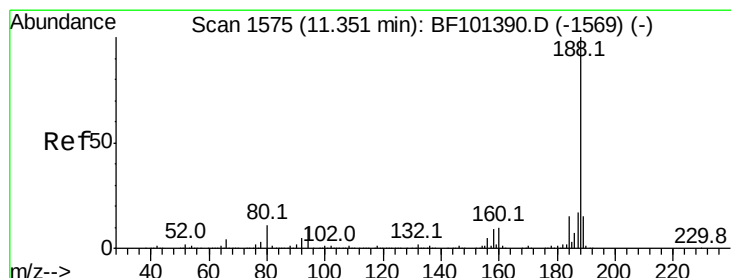
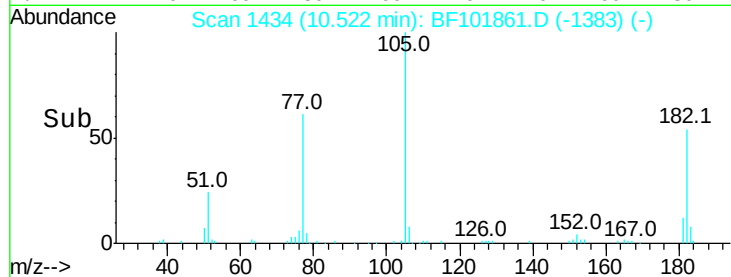
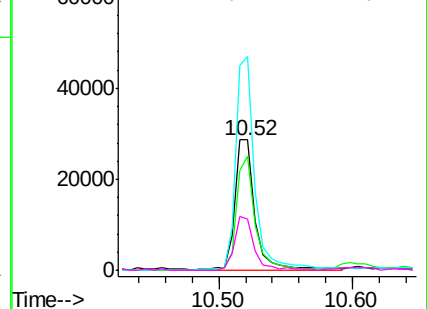


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.02 min

Lab File: BF101861.D

Acq: 3 Jan 2018 15:50

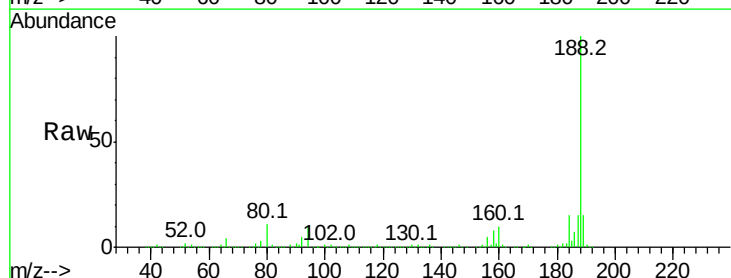
Tgt Ion: 188 Resp: 354600

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

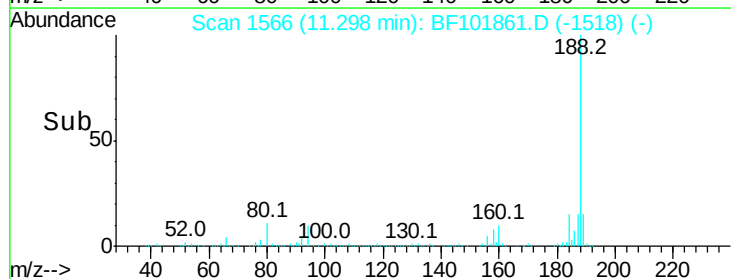
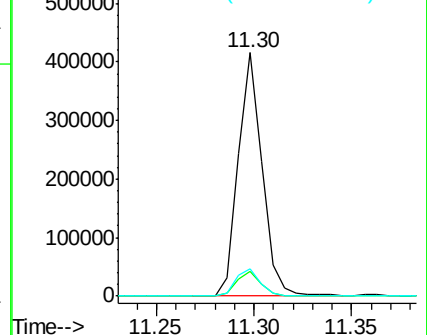
80 11.0 9.2 13.8

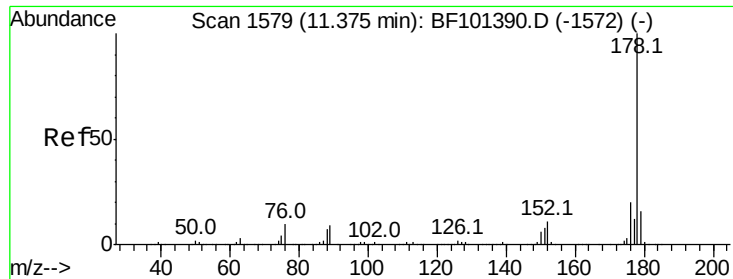


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

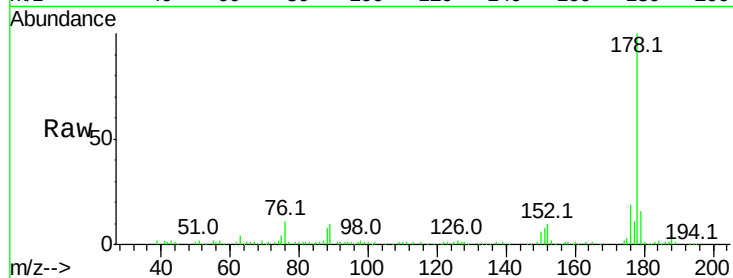




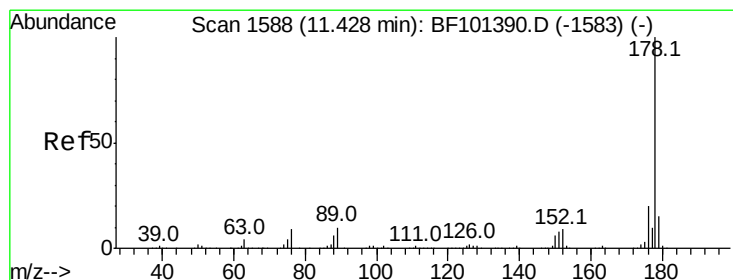
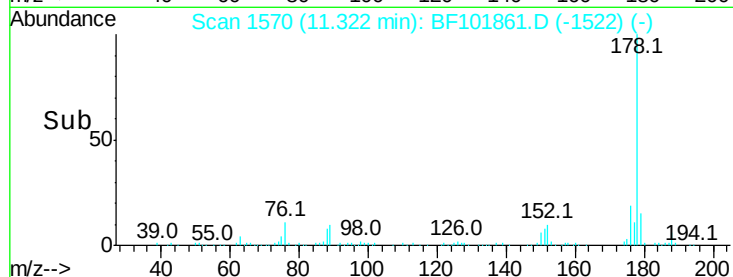
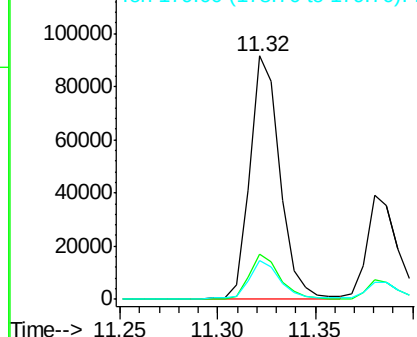
#70
Phenanthrene
Concen: 4.956 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF101861.D
Acq: 3 Jan 2018 15:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 97730
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.9 13.0 19.6

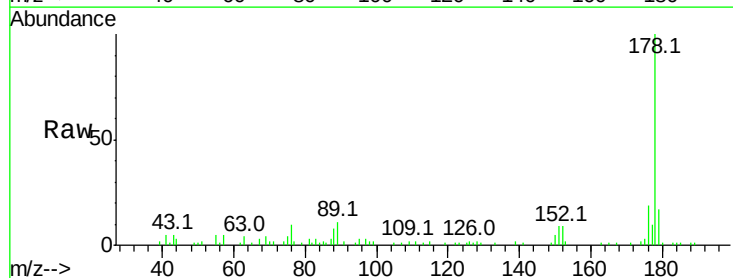


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

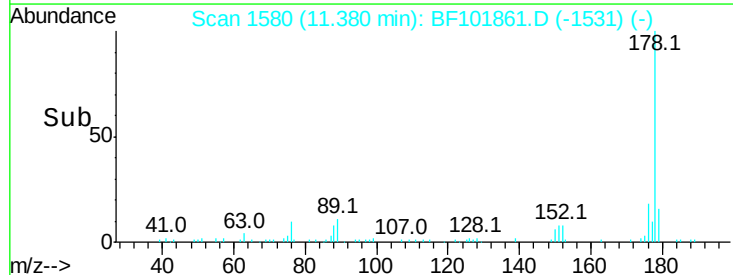
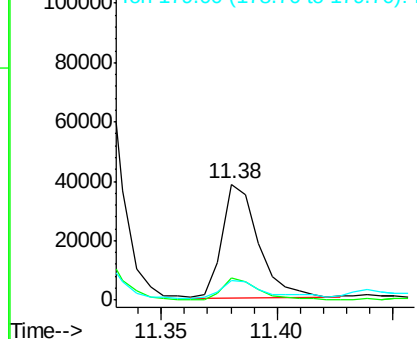


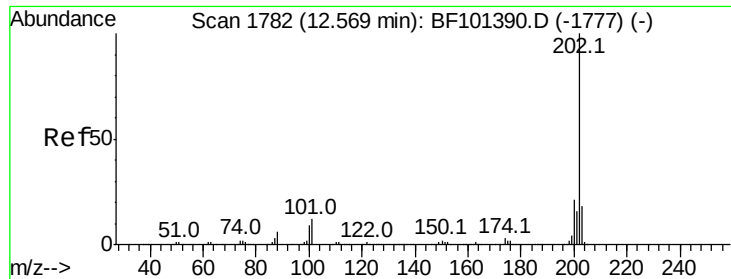
#71
Anthracene
Concen: 2.082 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF101861.D
Acq: 3 Jan 2018 15:50

Tgt Ion:178 Resp: 41939
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 16.6 12.6 19.0



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

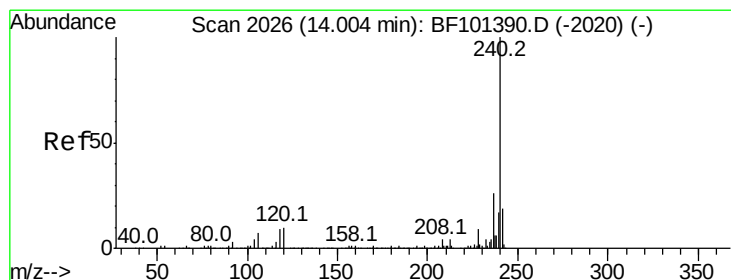
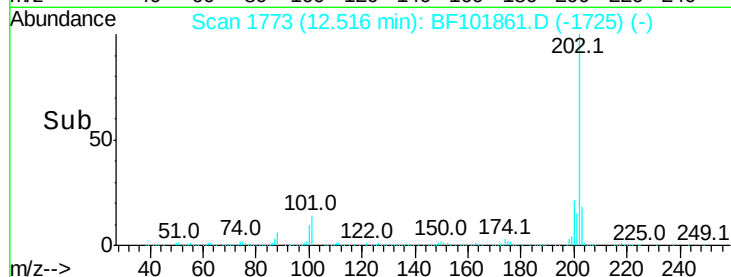
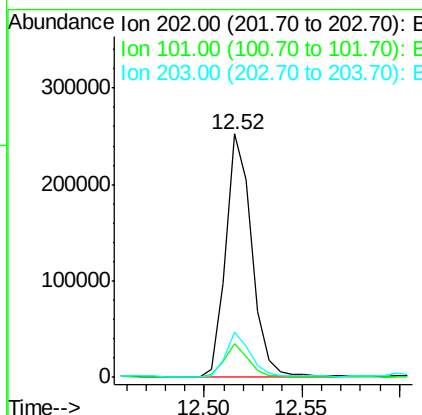
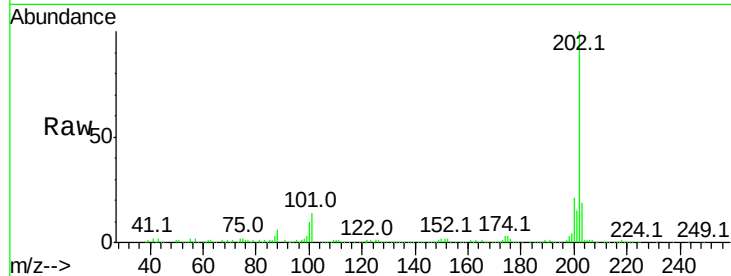




#74
 Fluoranthene
 Concen: 11.226 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. -0.02 min
 Lab File: BF101861.D
 Acq: 3 Jan 2018 15:50

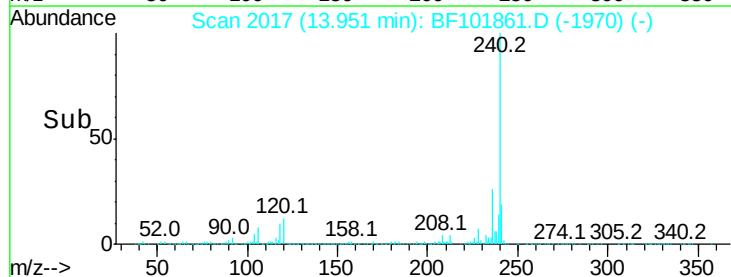
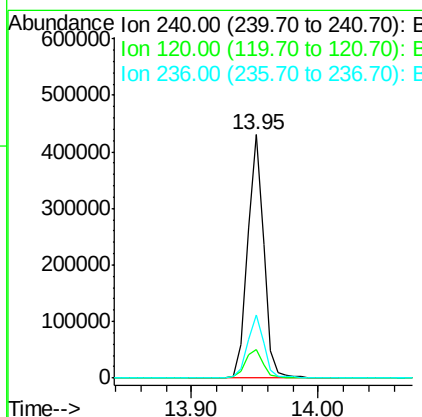
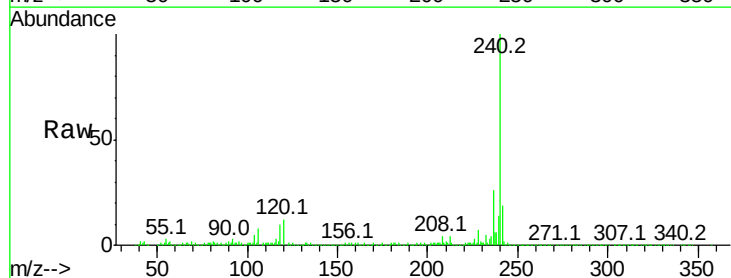
Instrument :
 BNA_F
 ClientSampleId :

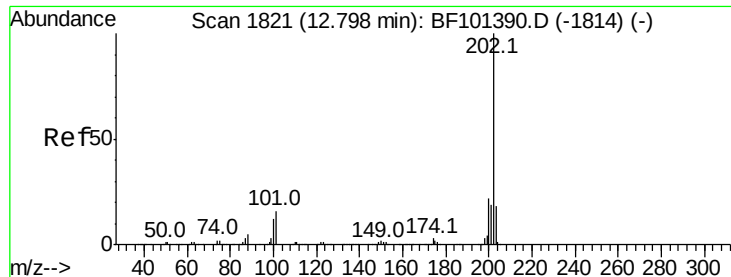
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	18.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.02 min
 Lab File: BF101861.D
 Acq: 3 Jan 2018 15:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.5	14.3
236	25.8	20.7	31.1

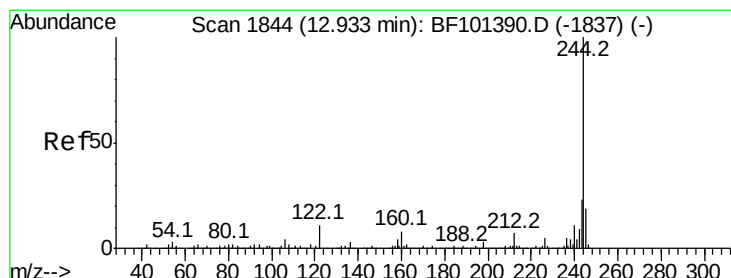
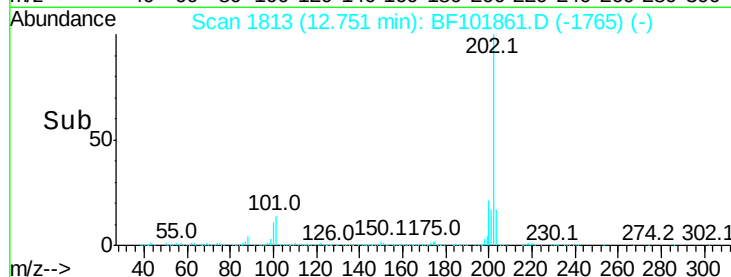
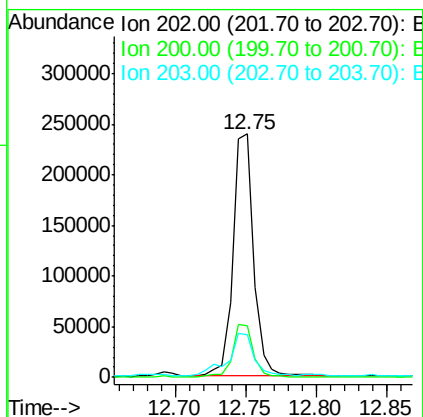
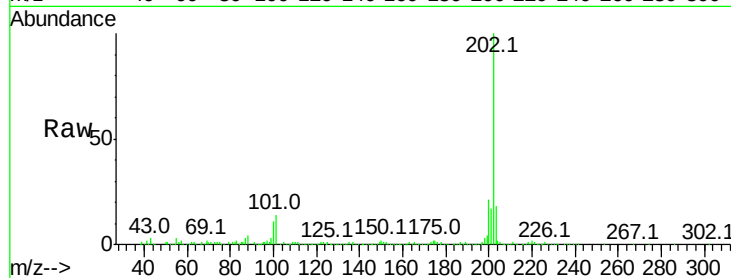




#77
Pvrene
Concen: 8.717 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF101861.D
Acq: 3 Jan 2018 15:50

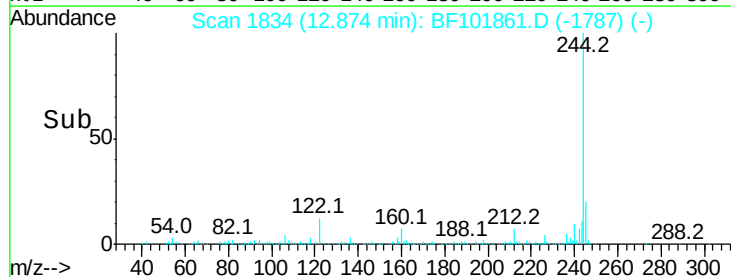
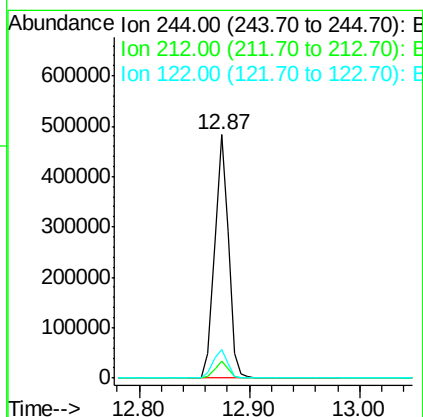
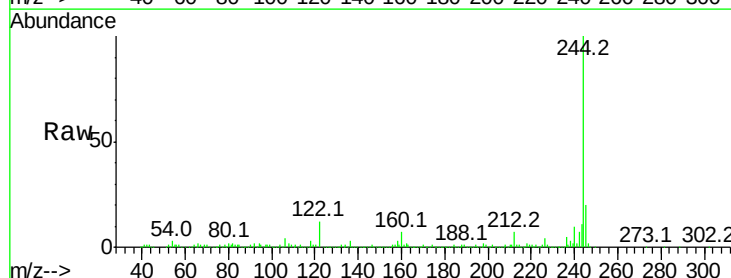
Instrument :
BNA_F
ClientSampleId :

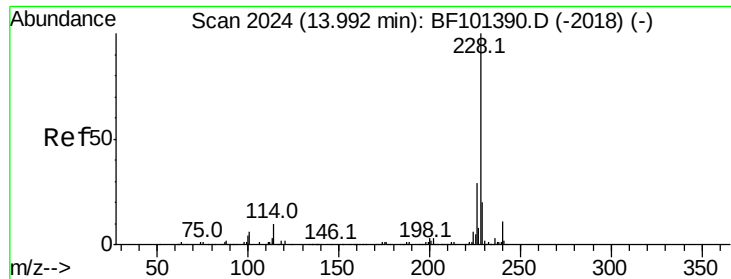
Tot Ion:202 Resp: 245175
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 17.7 14.3 21.5



#78
Terphenyl-d14
Concen: 26.664 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.02 min
Lab File: BF101861.D
Acq: 3 Jan 2018 15:50

Tgt Ion:244 Resp: 414516
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 11.9 11.0 16.4





#80

Benzo(a)anthracene

Concen: 5.488 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BF101861.D

Acq: 3 Jan 2018 15:50

Instrument :

BNA_F

ClientSampleId :

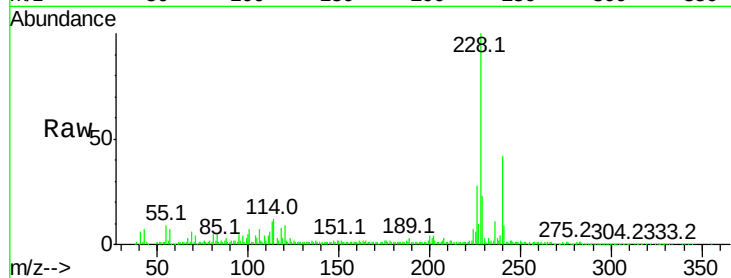
Tot Ion:228 Resp: 135811

Ion Ratio Lower Upper

228 100

226 27.8 22.6 33.8

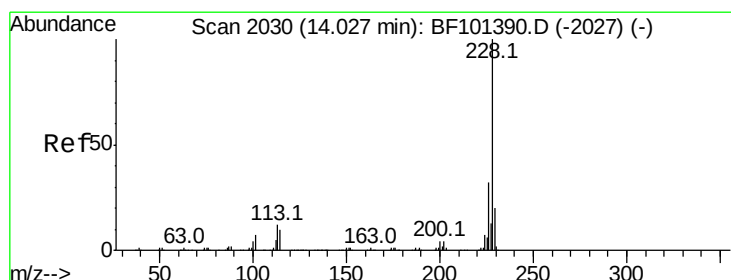
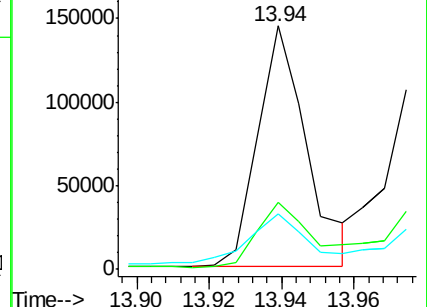
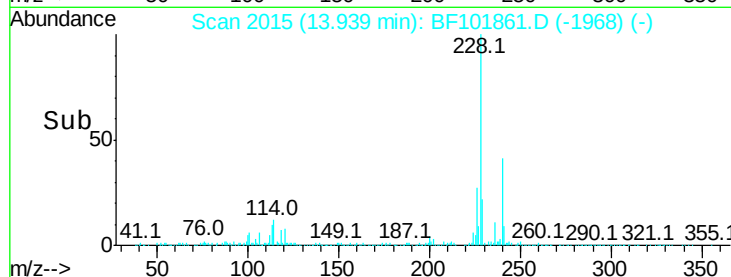
229 23.0 15.8 23.6



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: 5.457 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF101861.D

Acq: 3 Jan 2018 15:50

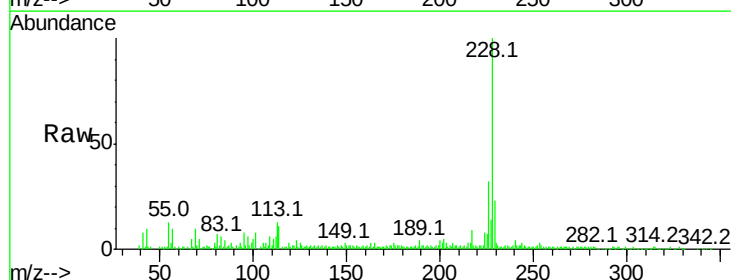
Tgt Ion:228 Resp: 127514

Ion Ratio Lower Upper

228 100

226 32.2 25.0 37.6

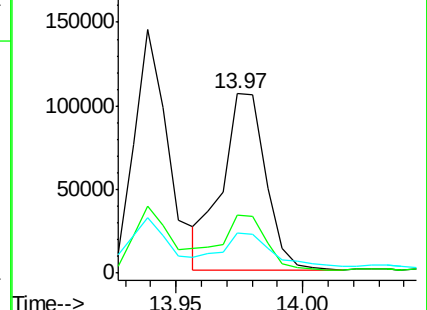
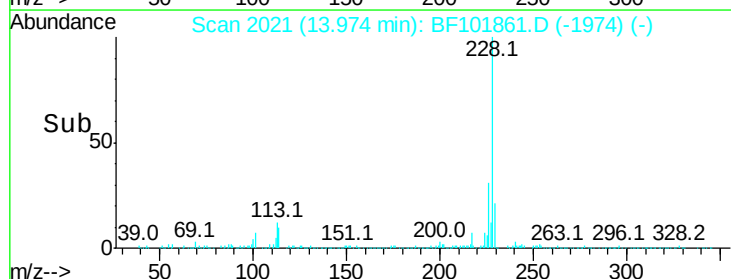
229 22.7 16.2 24.4

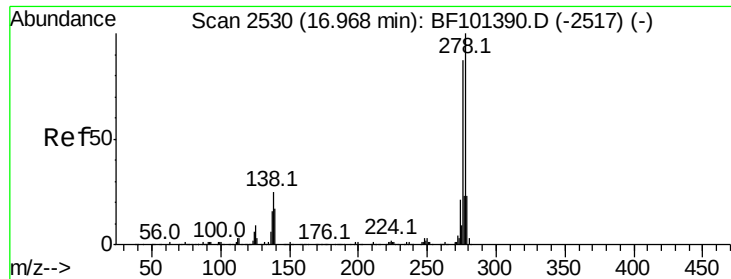


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

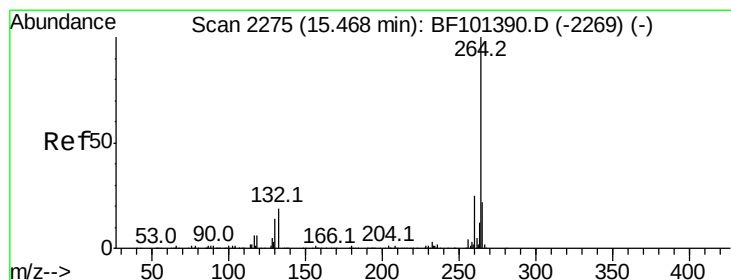
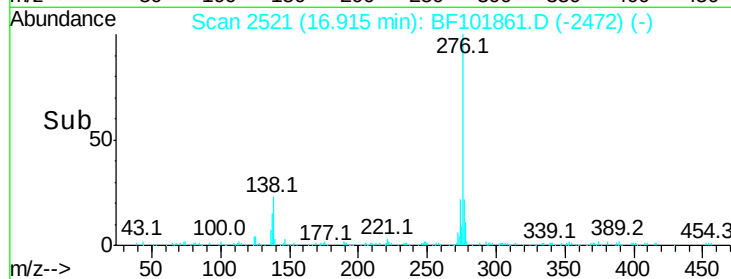
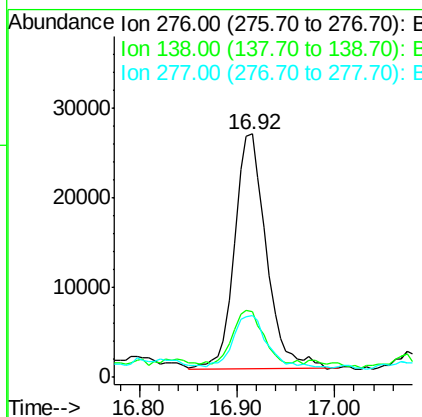
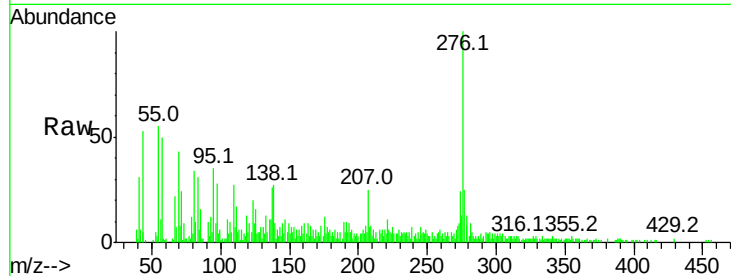




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.833 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. -0.01 min
 Lab File: BF101861.D
 Acq: 3 Jan 2018 15:50

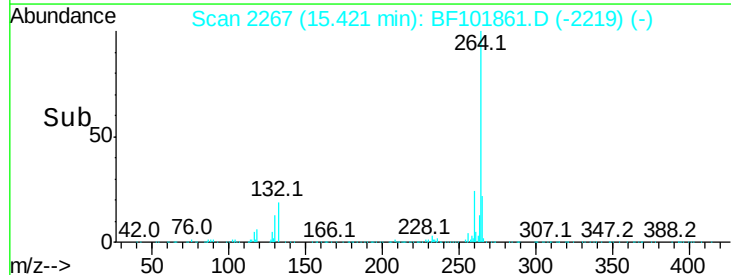
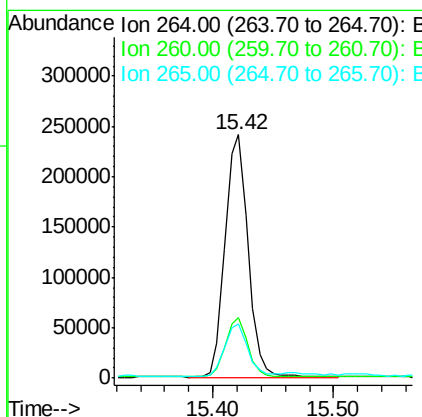
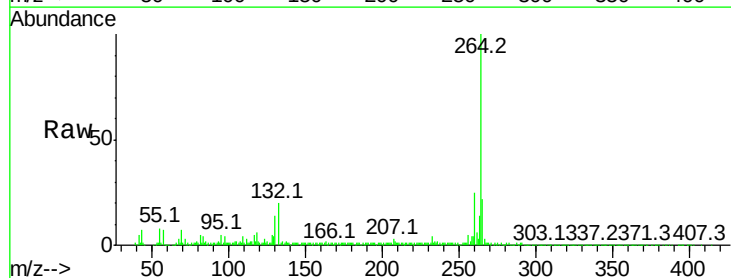
Instrument :
 BNA_F
 ClientSampleId :

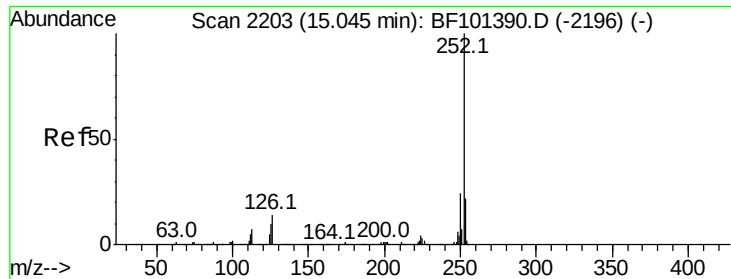
Tot Ion:276 Resp: 58941
 Ion Ratio Lower Upper
 276 100
 138 22.5 25.0 37.6#
 277 24.6 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.02 min
 Lab File: BF101861.D
 Acq: 3 Jan 2018 15:50

Tgt Ion:264 Resp: 318682
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.2 28.8
 265 22.5 17.5 26.3

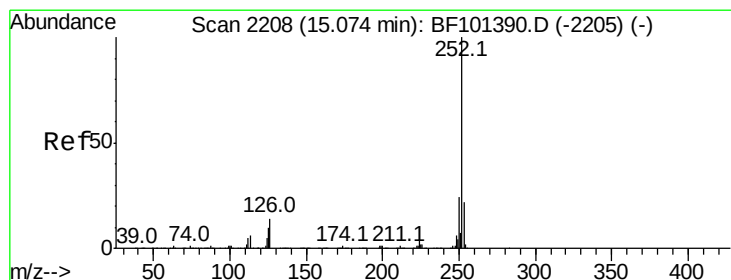
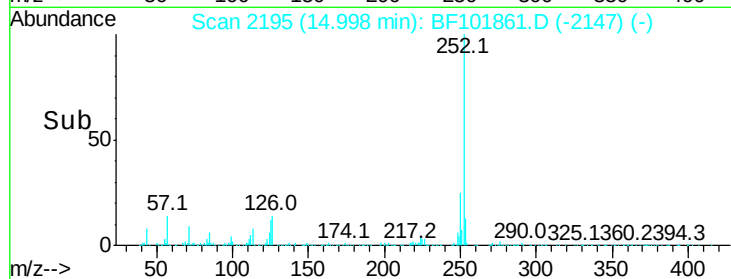
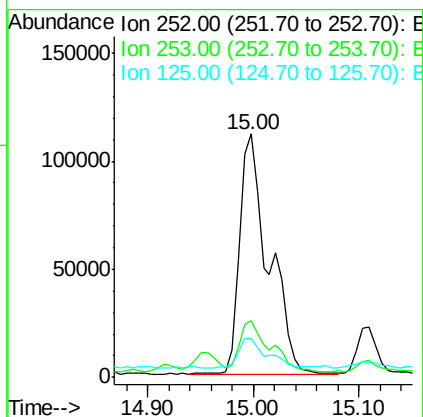
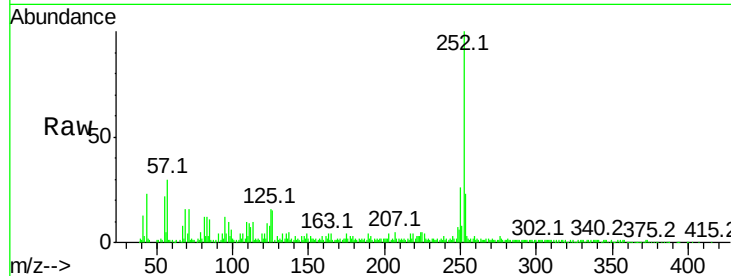




#87
Benzo(b)fluoranthene
Concen: 10.810 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF101861.D
Acq: 3 Jan 2018 15:50

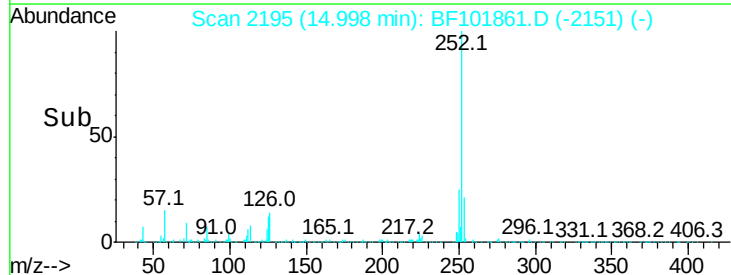
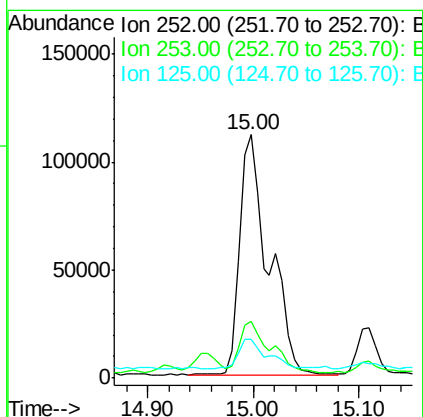
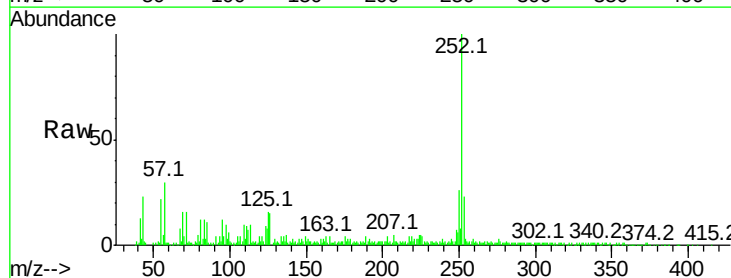
Instrument :
BNA_F
ClientSampleId :

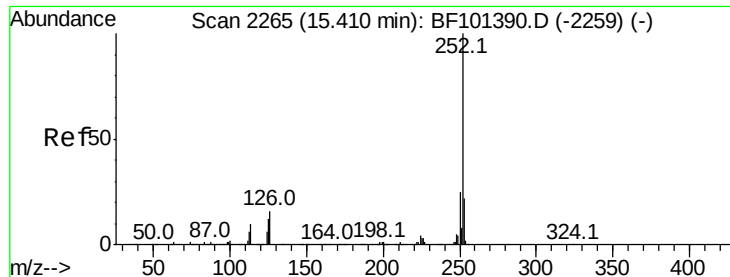
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	15.9	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 11.118 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF101861.D
Acq: 3 Jan 2018 15:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	15.9	10.2	15.2





#89

Benzo(a)pyrene

Concen: 6.284 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF101861.D

Acq: 3 Jan 2018 15:50

Instrument :

BNA_F

ClientSampleID :

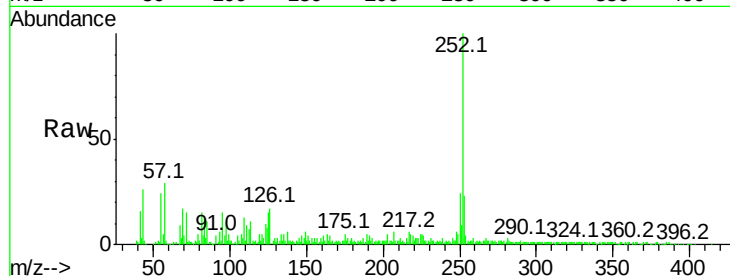
Tot Ion:252 Resp: 112518

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

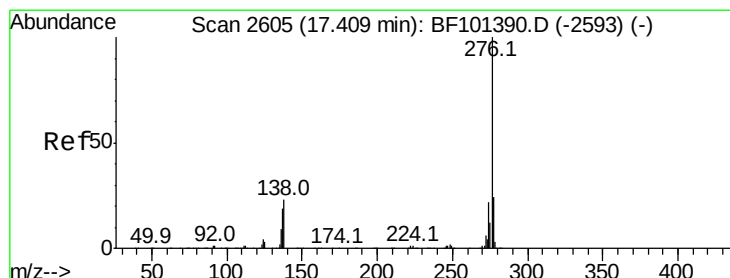
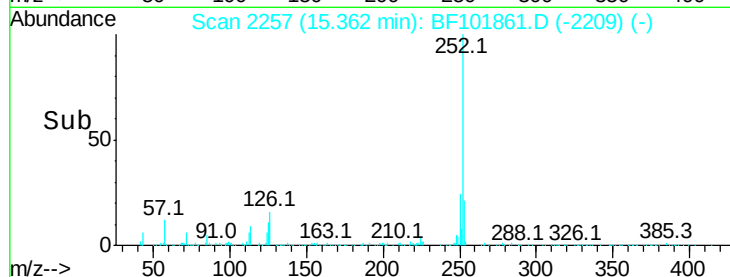
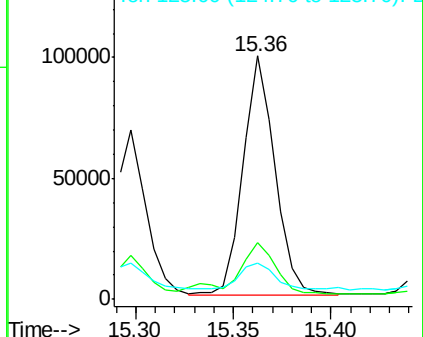
125 15.0 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 3.969 ng

RT: 17.36 min Scan# 2597

Delta R.T. -0.01 min

Lab File: BF101861.D

Acq: 3 Jan 2018 15:50

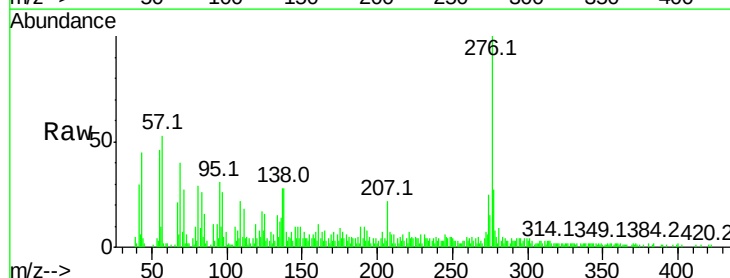
Tgt Ion:276 Resp: 60430

Ion Ratio Lower Upper

276 100

277 26.9 17.9 26.9#

138 27.9 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

