

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
 Data File : BF108693.D
 Acq On : 31 Aug 2018 17:08
 Operator : JU/SJ
 Sample : J4712-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 18:02:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	64161	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	237826	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	99943	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	203034	20.00	ng	0.00
75) Chrysene-d12	14.21	240	176039	20.00	ng	0.00
86) Perylene-d12	15.78	264	137335	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	266241	72.09	ng	0.00
7) Phenol-d6	6.64	99	399502	75.52	ng	-0.01
23) Nitrobenzene-d5	7.57	82	227930	48.65	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	86280	65.39	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	392787	52.84	ng	0.00
78) Terphenyl-d14	13.12	244	413513	45.64	ng	0.00

Target Compounds

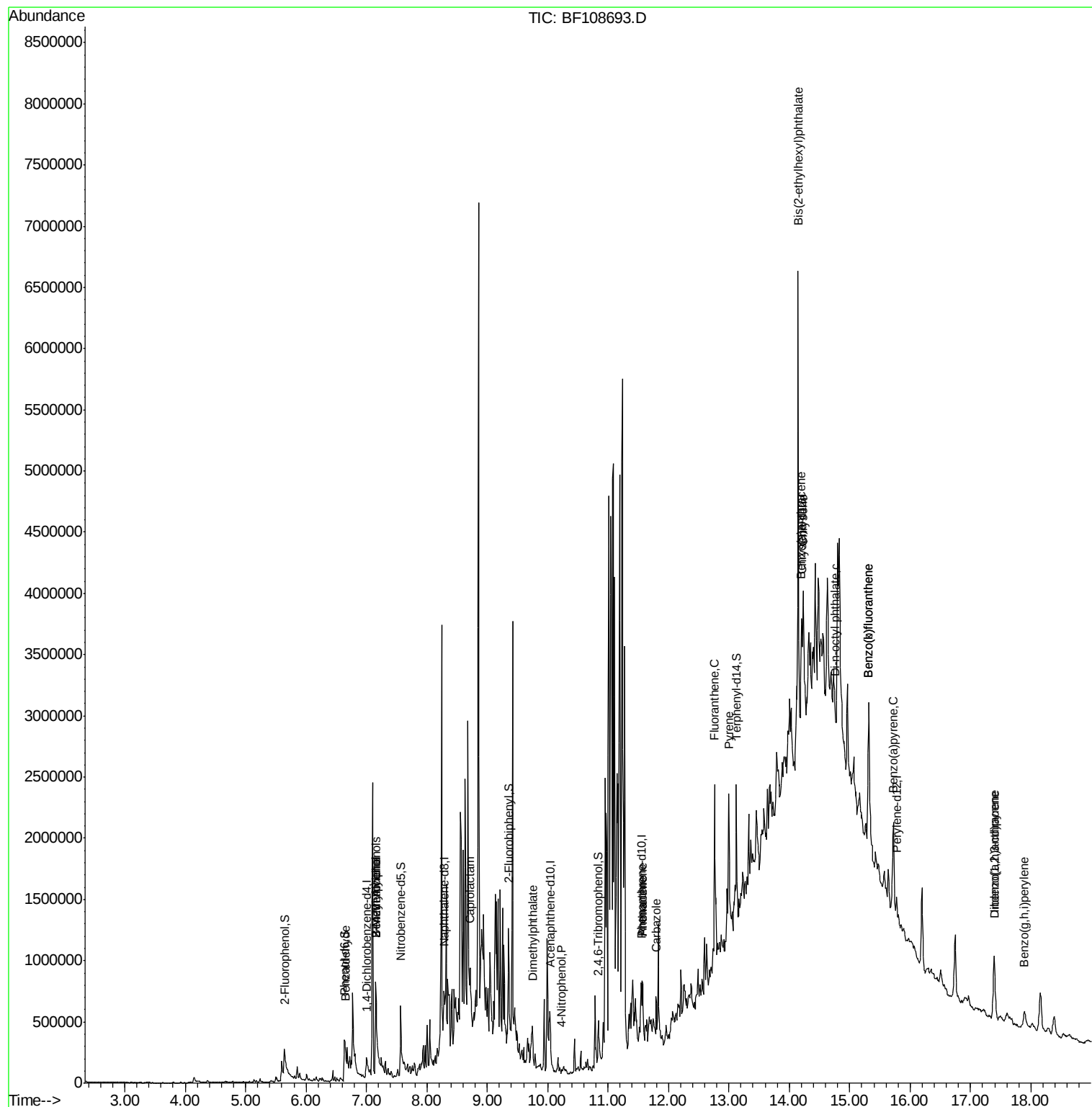
						Qvalue
9) Benzaldehyde	6.65	77	6826	2.088	ng	85
15) Benzyl Alcohol	7.16	79	219133	57.588	ng	91
17) 2-Methylphenol	7.16	107	110757	31.545	ng	# 1
20) 3+4-Methylphenols	7.16	107	110757	25.177	ng	# 1
35) Caprolactam	8.71	113	8940	9.041	ng	# 1
49) Dimethylphthalate	9.75	163	109877	13.961	ng	# 97
55) 4-Nitrophenol	10.22	139	222	4.934	ng	# 1
70) Phenanthrene	11.57	178	215626	21.040	ng	98
71) Anthracene	11.57	178	215626	20.025	ng	100
72) Carbazole	11.80	167	31103	2.987	ng	# 75
74) Fluoranthene	12.77	202	780568	67.667	ng	94
77) Pylene	13.00	202	618735	46.756	ng	99
80) Benzo(a)anthracene	14.20	228	233561	21.763	ng	98
82) Chrysene	14.23	228	389796	37.769	ng	98
83) Bis(2-ethylhexyl)phthalate	14.15	149	1304491	182.385	ng	# 98
84) Di-n-octyl phthalate	14.77	149	78053	7.422	ng	# 72
85) Indeno(1,2,3-cd)pyrene	17.40	276	156332	21.785	ng	# 83
87) Benzo(b)fluoranthene	15.31	252	556291	65.940	ng	# 91
88) Benzo(k)fluoranthene	15.31	252	556291	66.564	ng	# 94
89) Benzo(a)pyrene	15.71	252	191072	25.062	ng	# 89
90) Dibenzo(a,h)anthracene	17.41	278	28304	4.648	ng	# 78
91) Benzo(g,h,i)perylene	17.89	276	159437	26.941	ng	# 88

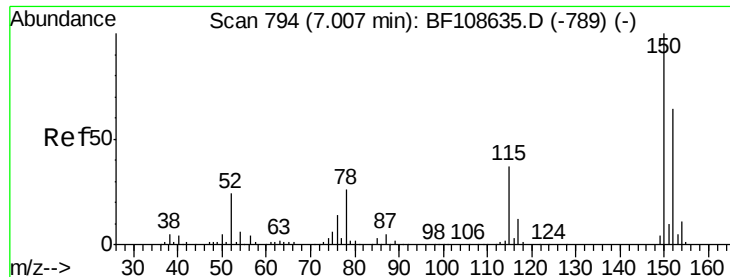
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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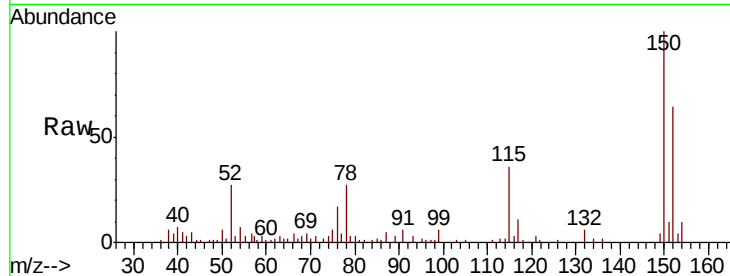


#1

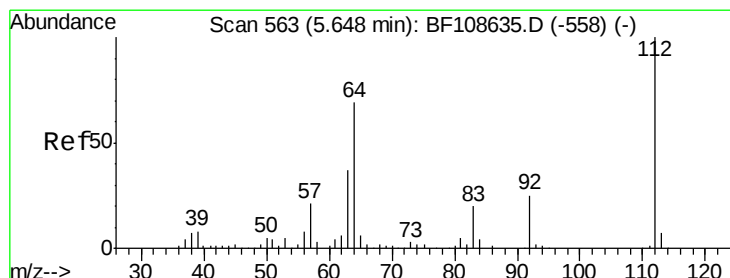
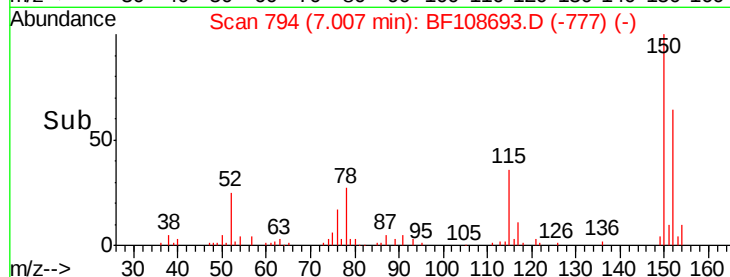
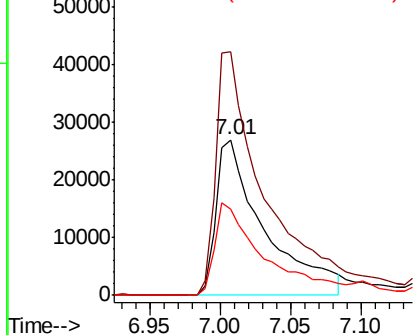
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 64161
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 55.7 50.1 75.1



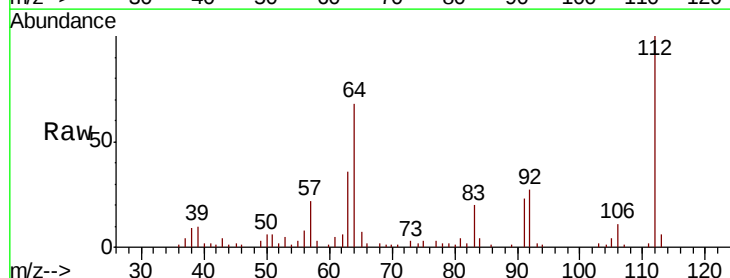
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



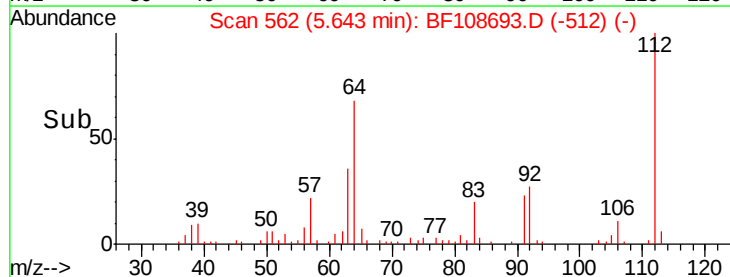
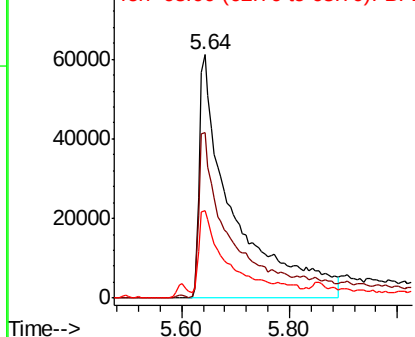
#5

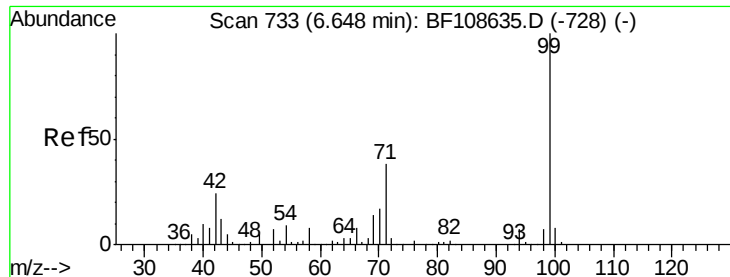
2-Fluorophenol
Concen: 72.087 ng
RT: 5.64 min Scan# 562
Delta R.T. -0.01 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

Tgt Ion:112 Resp: 266241
Ion Ratio Lower Upper
112 100
64 67.9 47.9 71.9
63 36.2 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: 75.523 ng

RT: 6.64 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF108693.D

Acq: 31 Aug 2018 17:08

Instrument :

BNA_F

ClientSampled :

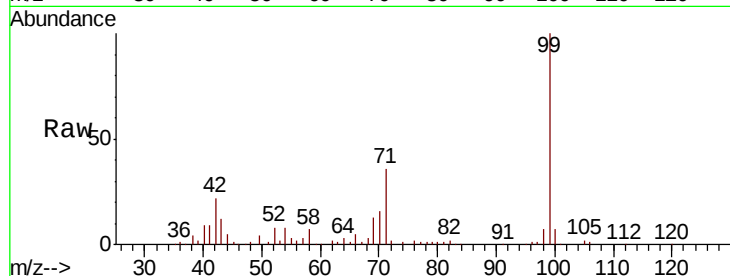
Tot Ion: 99 Resp: 399502

Ion Ratio Lower Upper

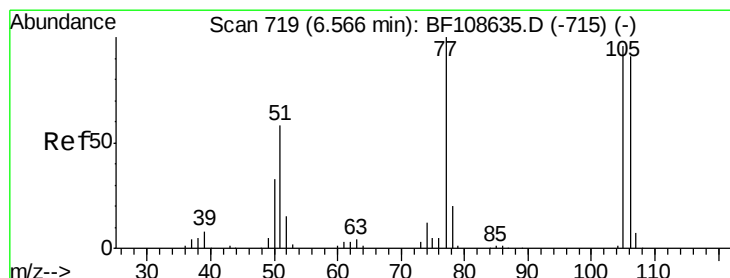
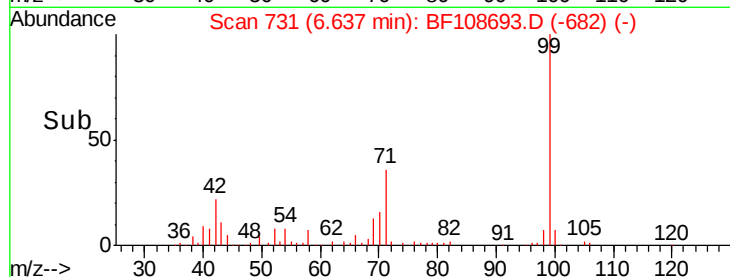
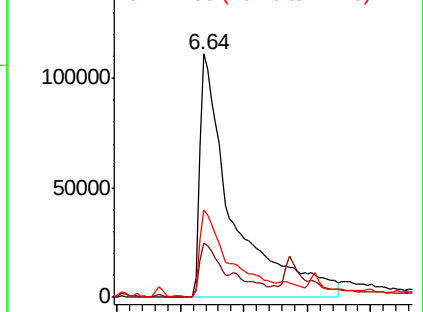
99 100

42 22.4 14.5 21.7#

71 35.8 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



#9

Benzaldehyde

Concen: 2.088 ng

RT: 6.65 min Scan# 734

Delta R.T. 0.09 min

Lab File: BF108693.D

Acq: 31 Aug 2018 17:08

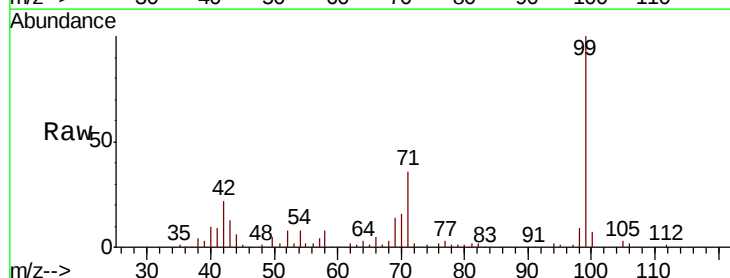
Tgt Ion: 77 Resp: 6826

Ion Ratio Lower Upper

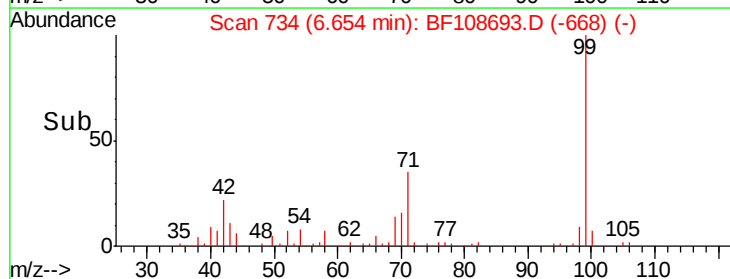
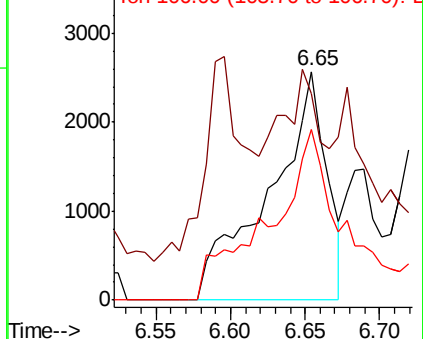
77 100

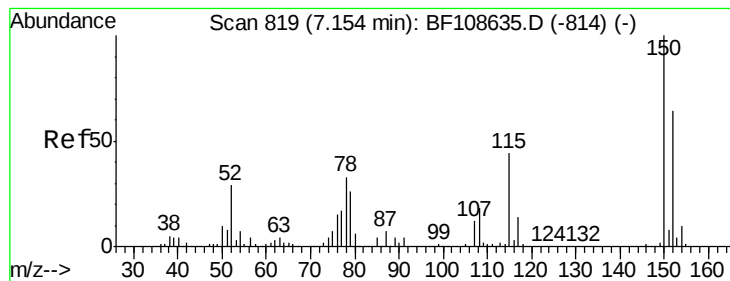
105 90.1 81.1 121.1

106 74.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 57.588 ng

RT: 7.16 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF108693.D

Acq: 31 Aug 2018 17:08

Instrument :

BNA_F

ClientSampled :

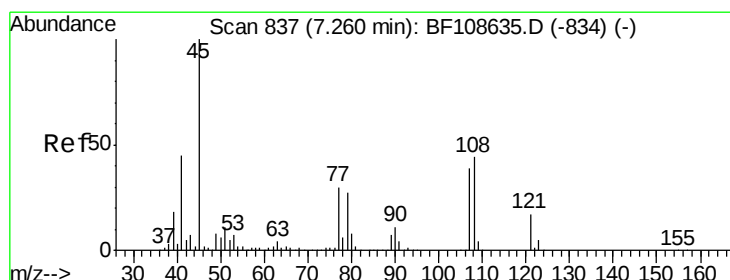
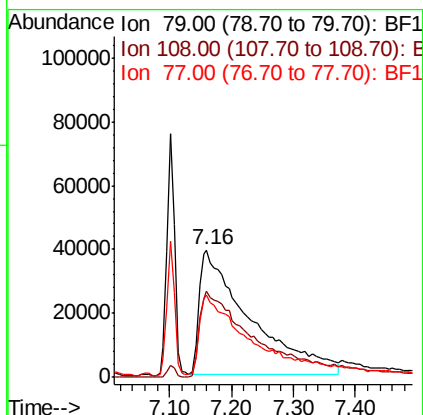
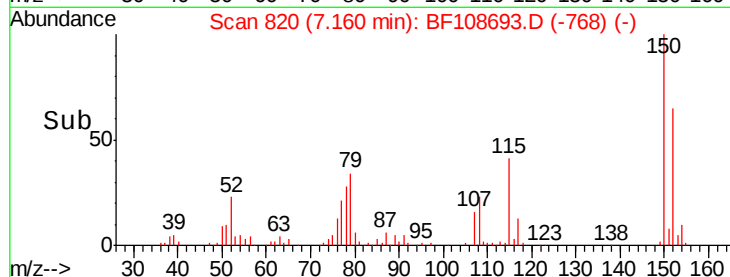
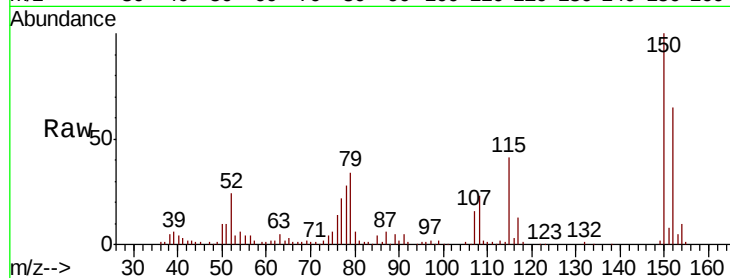
Tot Ion: 79 Resp: 219133

Ion Ratio Lower Upper

79 100

108 67.5 65.1 97.7

77 64.4 50.6 75.8



#17

2-Methylphenol

Concen: 31.545 ng

RT: 7.16 min Scan# 820

Delta R.T. -0.10 min

Lab File: BF108693.D

Acq: 31 Aug 2018 17:08

Tgt Ion: 107 Resp: 110757

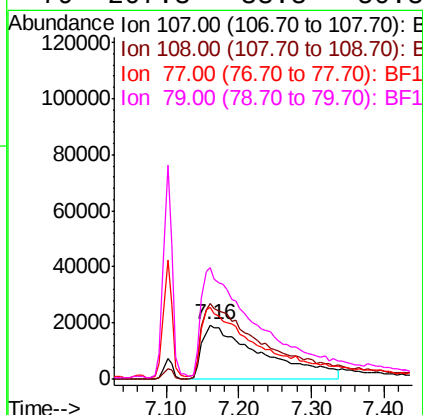
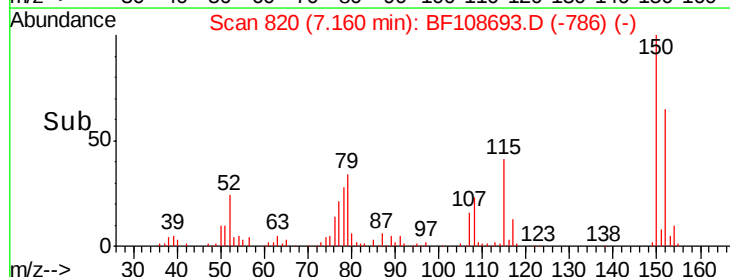
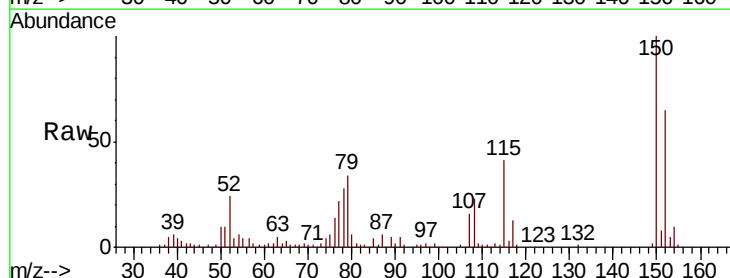
Ion Ratio Lower Upper

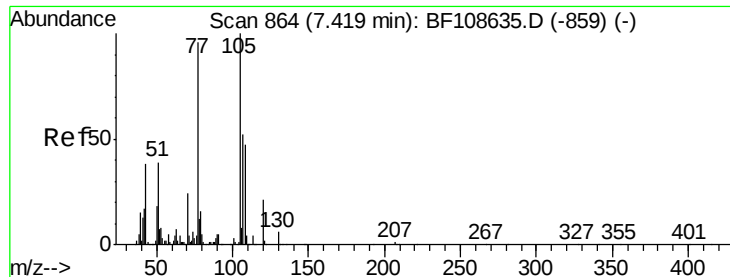
107 100

108 139.9 91.7 137.5#

77 133.4 33.8 50.8#

79 207.3 33.8 50.8#

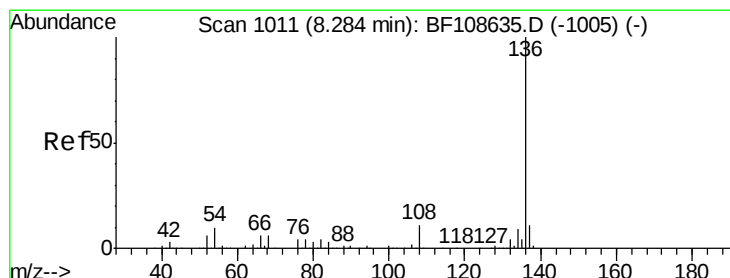
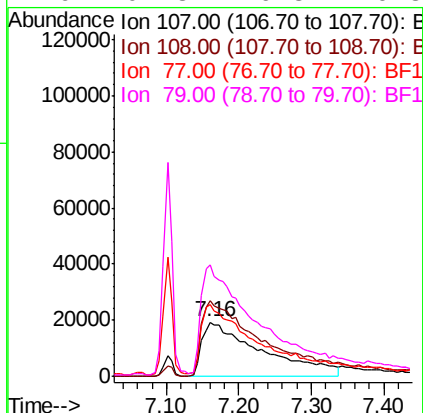
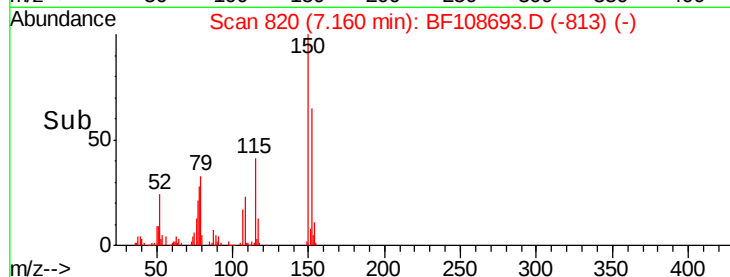
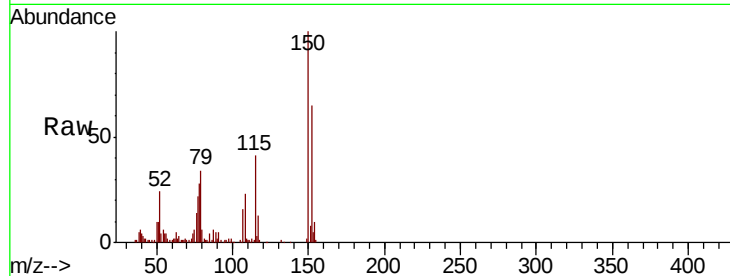




#20
3+4-Methylphenols
Concen: 25.177 ng
RT: 7.16 min Scan# 820
Delta R.T. -0.26 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

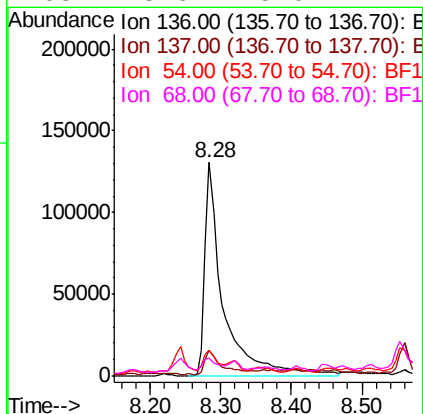
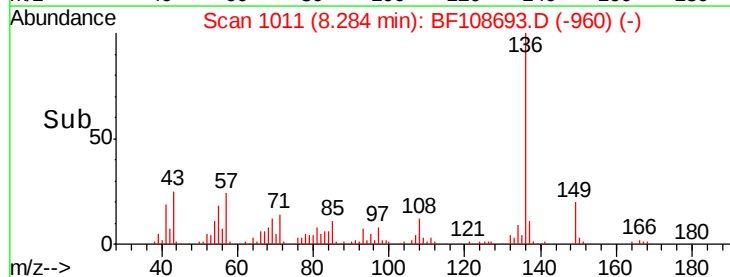
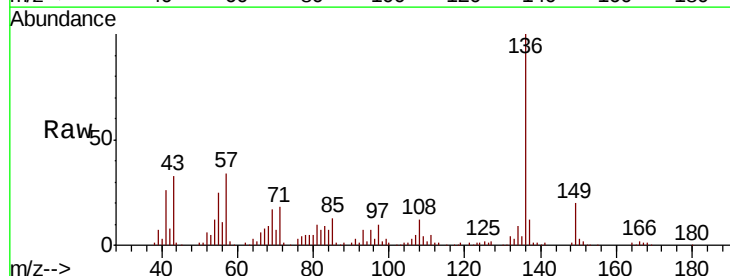
Instrument :
BNA_F
ClientSampleId :

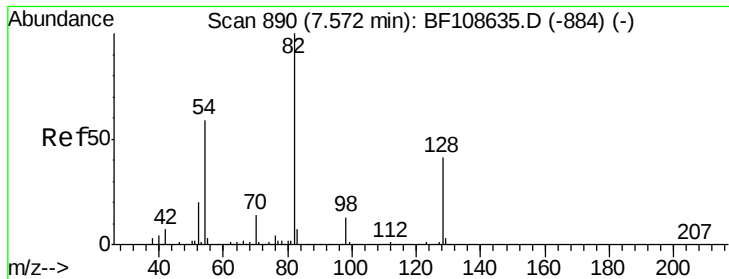
Tot Ion:107 Resp: 110757
Ion Ratio Lower Upper
107 100
108 139.9 68.2 108.2#
77 133.4 26.7 66.7#
79 207.3 6.3 46.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

Tgt Ion:136 Resp: 237826
Ion Ratio Lower Upper
136 100
137 11.8 8.9 13.3
54 11.8 6.6 9.8#
68 8.6 5.0 7.4#

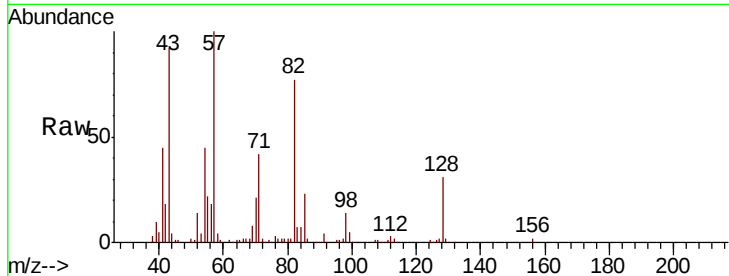




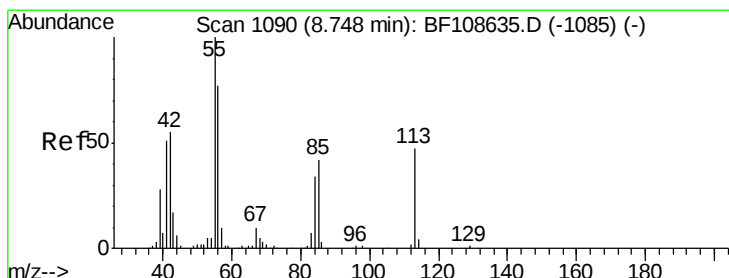
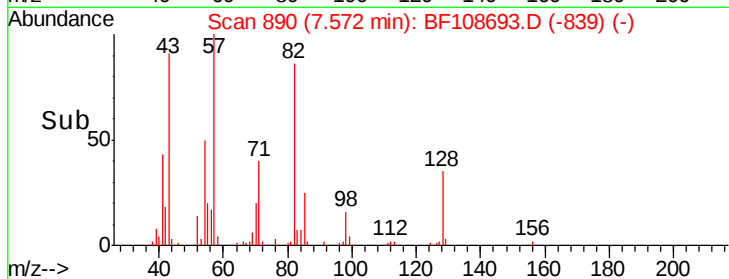
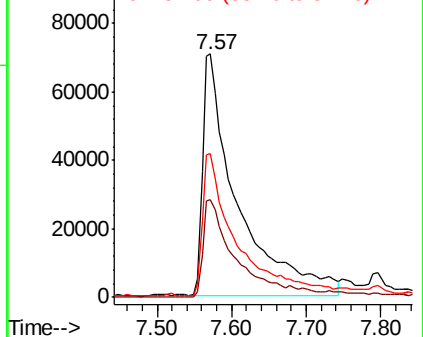
#23
Nitrobenzene-d5
Concen: 48.647 ng
RT: 7.57 min Scan# 890
Delta R.T. 0.00 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 227930
Ion Ratio Lower Upper
82 100
128 40.3 36.1 54.1
54 58.9 41.4 62.2

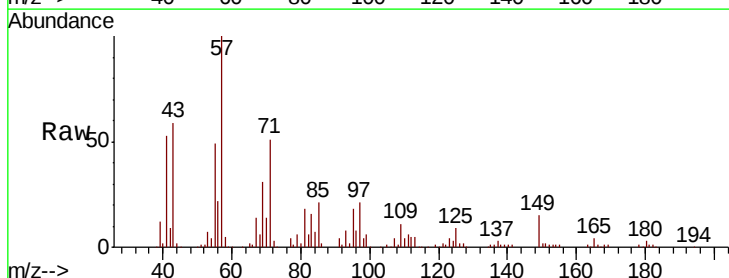


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

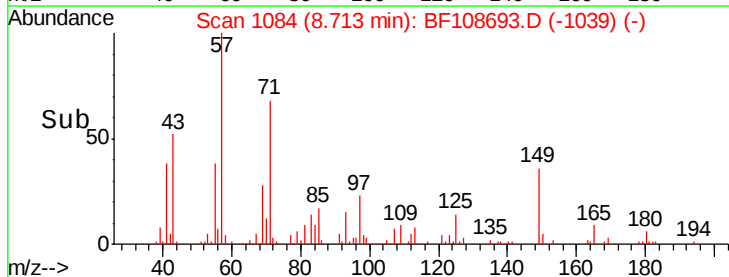
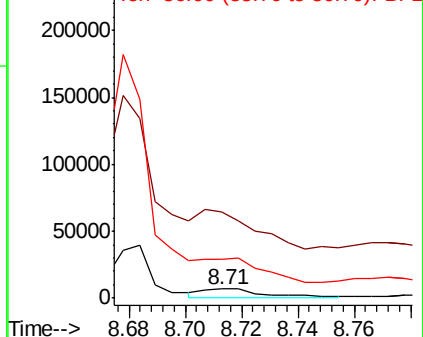


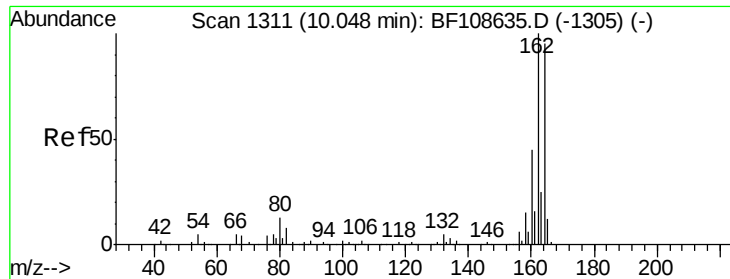
#35
Caprolactam
Concen: 9.041 ng
RT: 8.71 min Scan# 1084
Delta R.T. -0.04 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

Tgt Ion: 113 Resp: 8940
Ion Ratio Lower Upper
113 100
55 926.3 163.3 203.3#
56 423.8 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): BF1
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

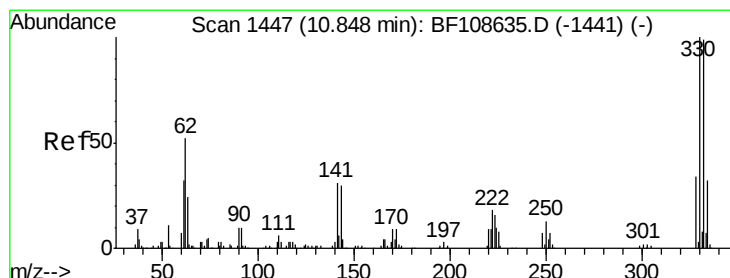
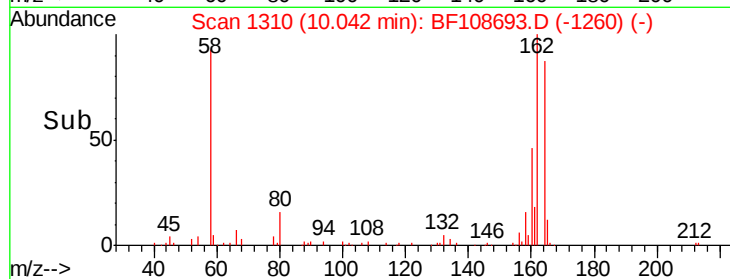
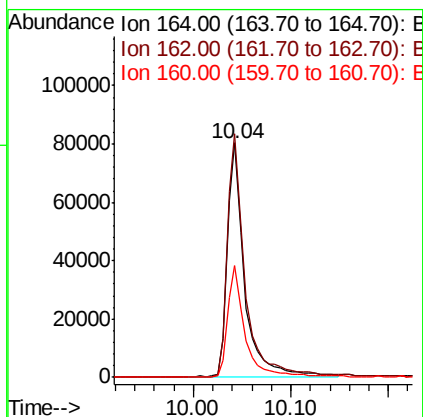
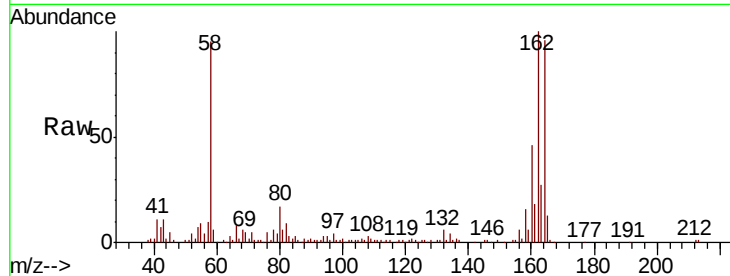




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108693.D
 Acq: 31 Aug 2018 17:08

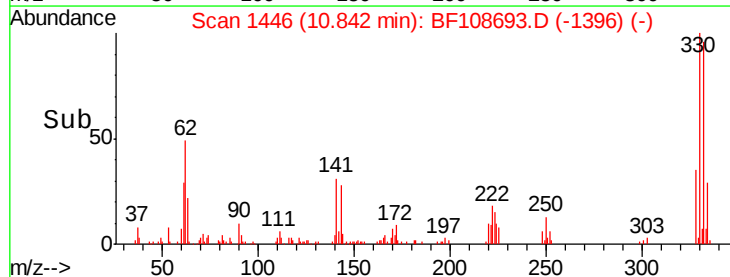
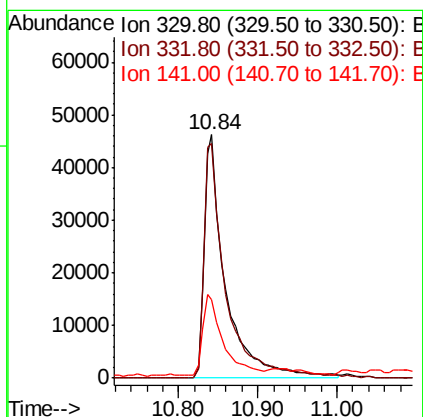
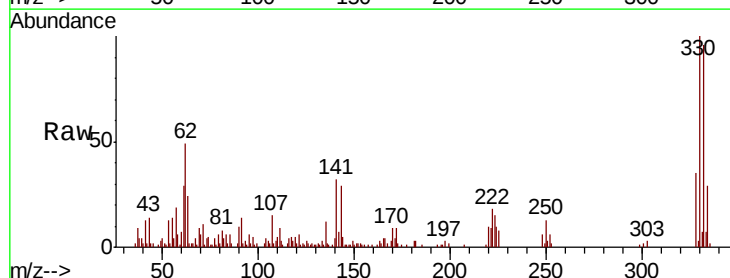
Instrument :
 BNA_F
 ClientSampleId :

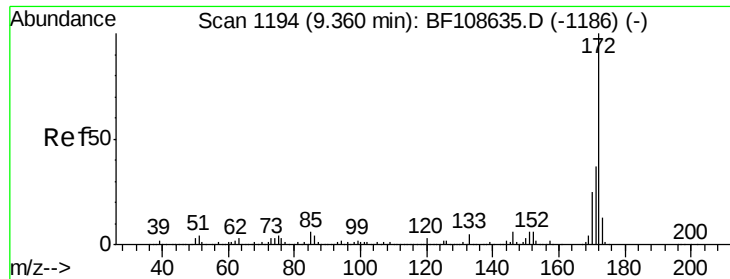
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	47.6	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 65.395 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108693.D
 Acq: 31 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.0	115.6
141	31.8	29.9	44.9

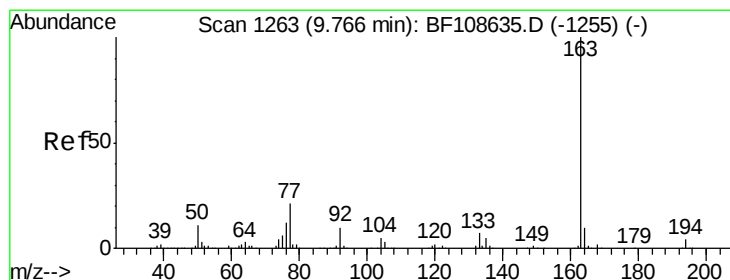
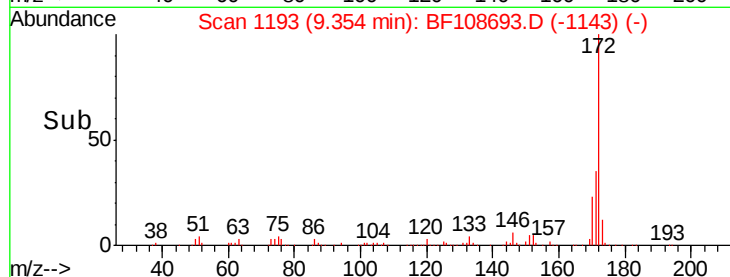
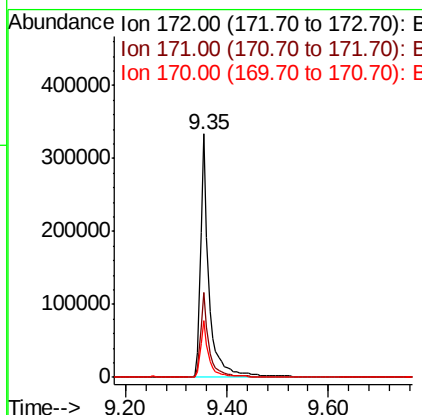
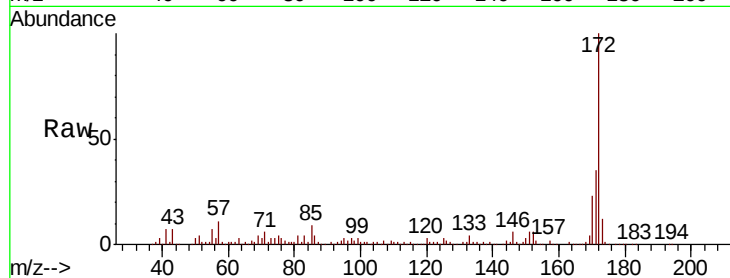




#44
2-Fluorobiphenyl
Concen: 52.843 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

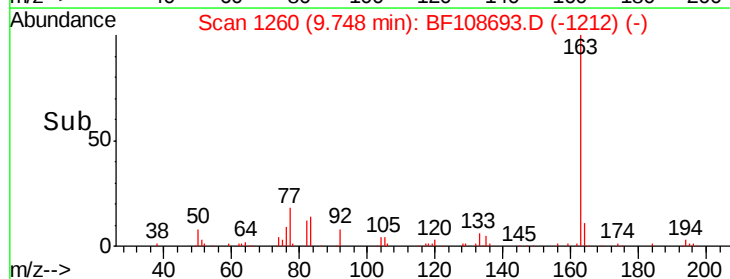
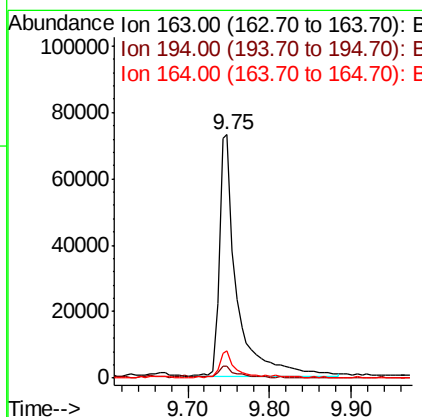
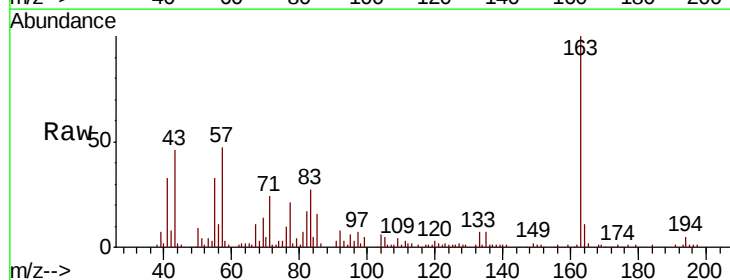
Instrument :
BNA_F
ClientSampleId :

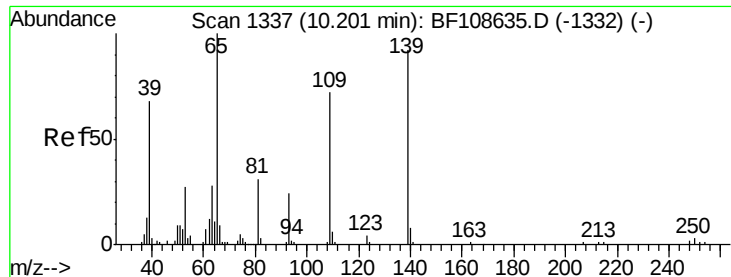
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.3	19.6	29.4



#49
Dimethylphthalate
Concen: 13.961 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	2.7	4.1#
164	11.1	8.2	12.2

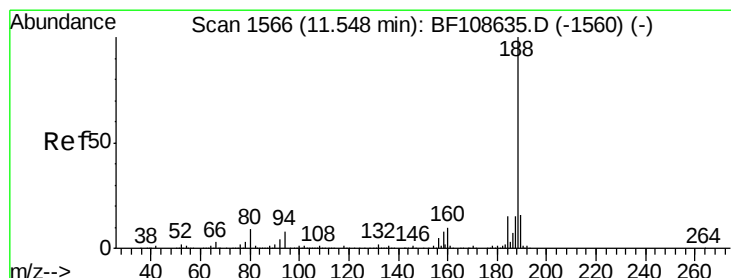
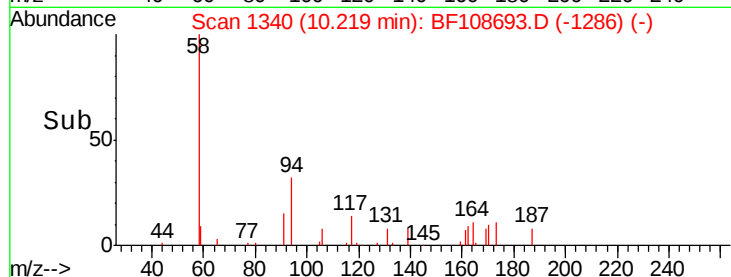
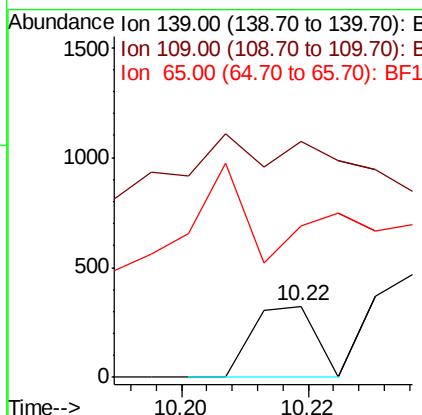
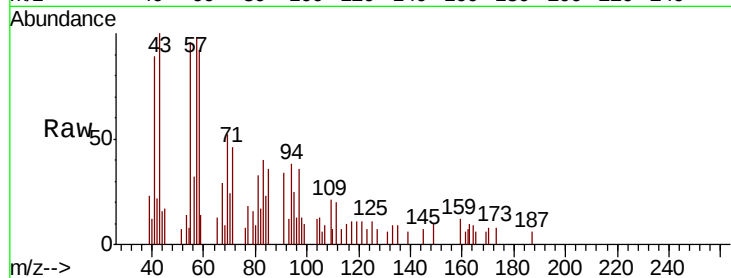




#55
4-Nitrophenol
Concen: 4.934 ng
RT: 10.22 min Scan# 1340
Delta R.T. 0.02 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

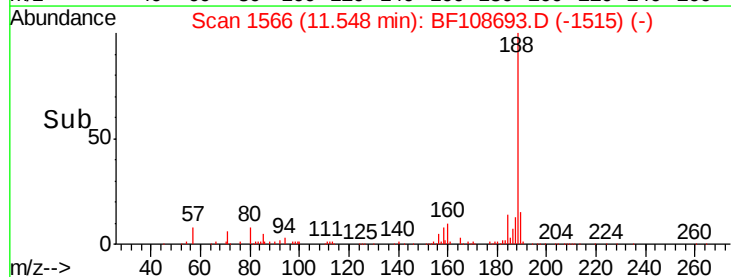
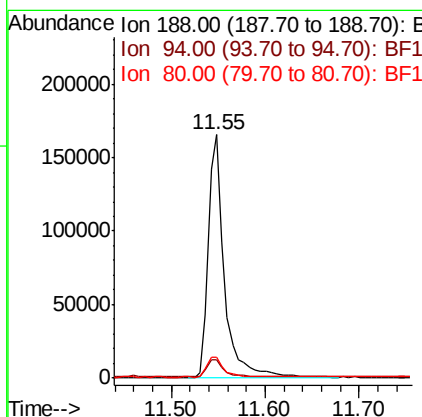
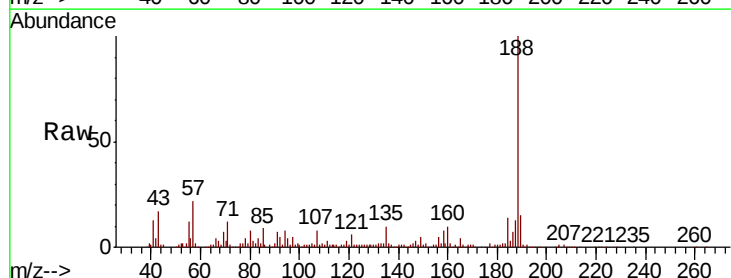
Instrument :
BNA_F
ClientSampled :

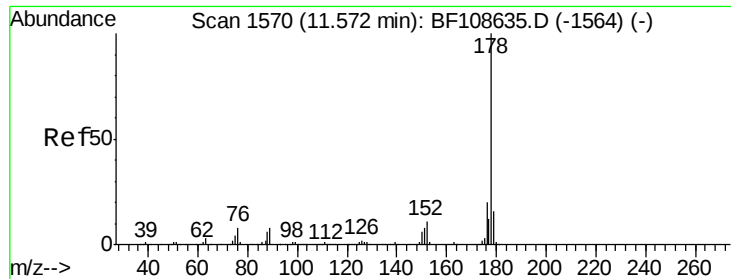
Tot Ion:139 Resp: 222
Ion Ratio Lower Upper
139 100
109 331.8 48.4 88.4#
65 212.7 72.6 112.6#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1566
Delta R.T. 0.00 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

Tgt Ion:188 Resp: 203034
Ion Ratio Lower Upper
188 100
94 7.7 8.5 12.7#
80 8.5 9.2 13.8#

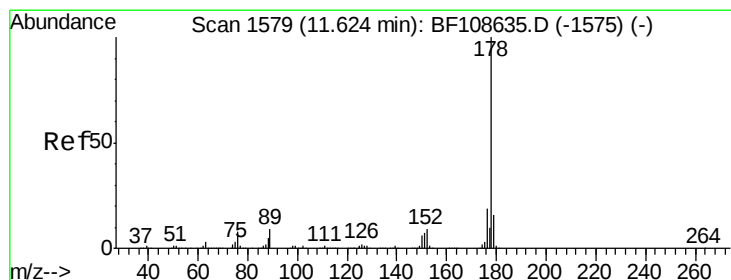
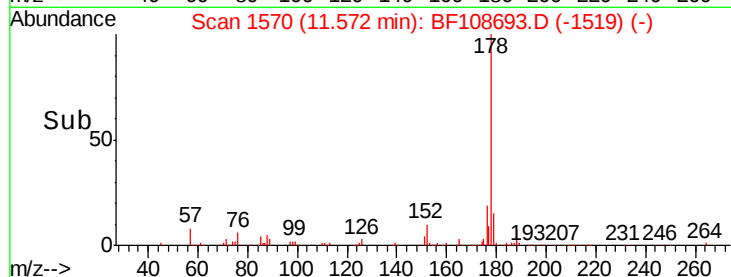
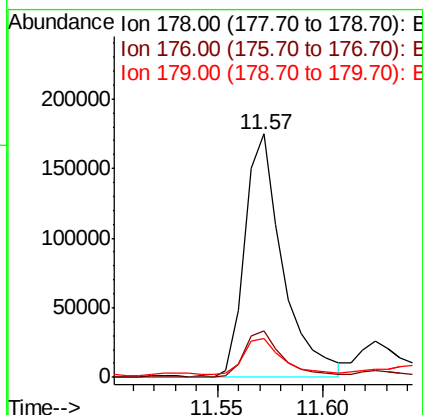
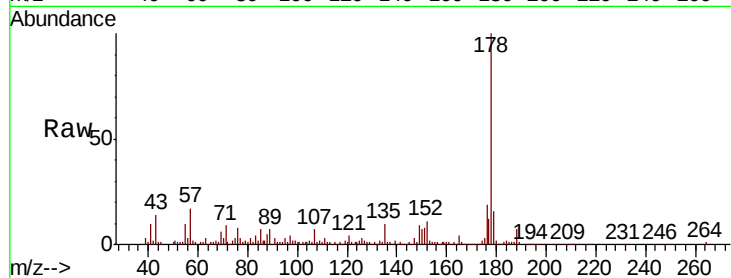




#70
Phenanthrene
Concen: 21.040 ng
RT: 11.57 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

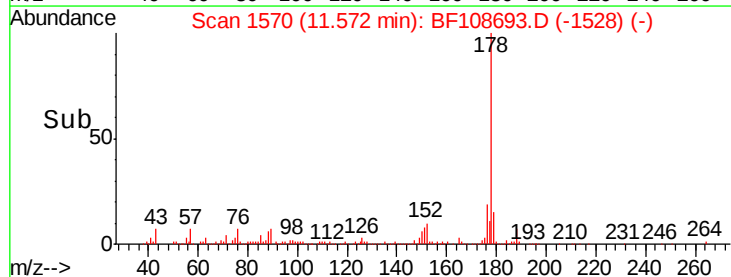
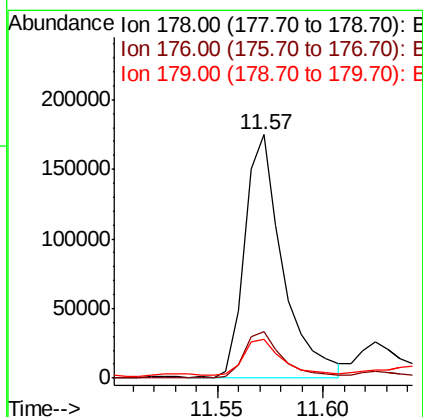
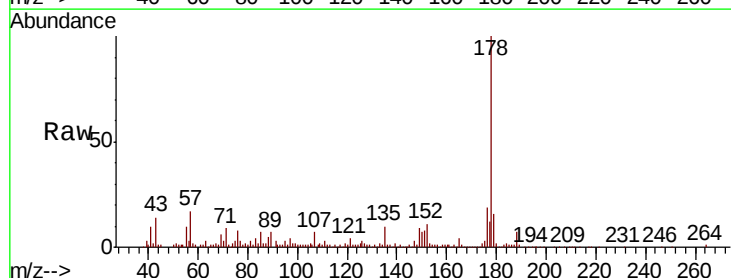
Instrument :
BNA_F
ClientSampleId :

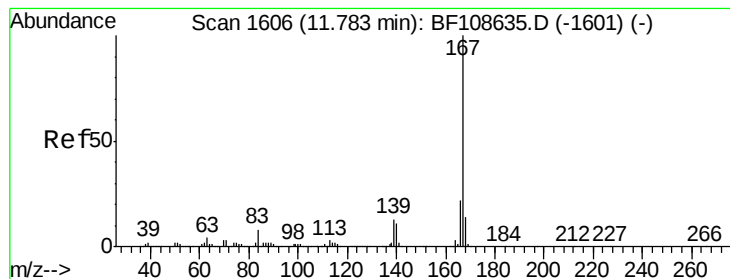
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.7	13.0	19.6



#71
Anthracene
Concen: 20.025 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.05 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.7	12.6	19.0





#72

Carbazole

Concen: 2.987 ng

RT: 11.80 min Scan# 1608

Delta R.T. 0.01 min

Lab File: BF108693.D

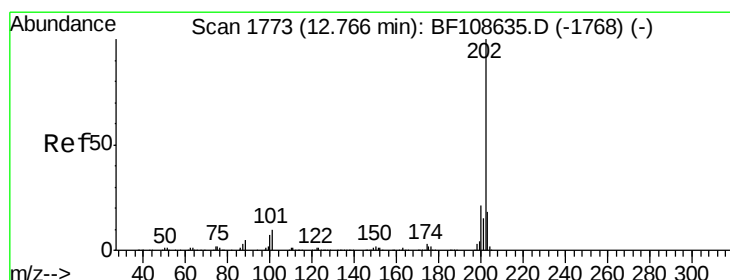
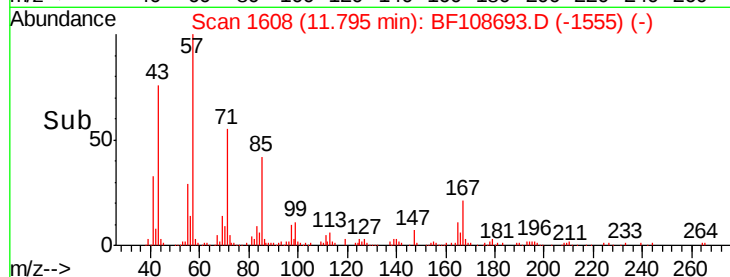
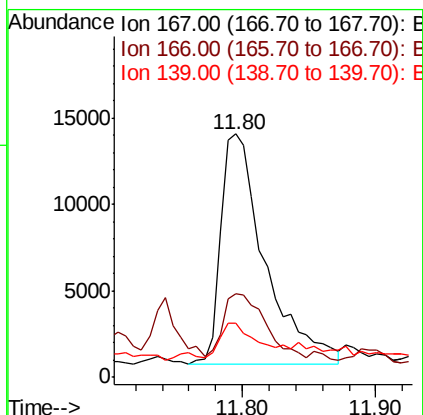
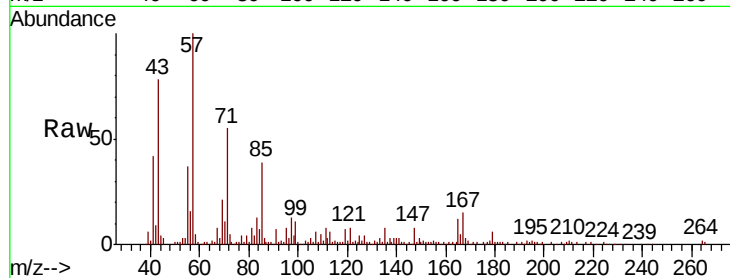
Acq: 31 Aug 2018 17:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:167	Resp:	31103
Ion Ratio	Lower	Upper
167	100	
166	34.6	17.6 26.4#
139	22.4	10.9 16.3#



#74

Fluoranthene

Concen: 67.667 ng

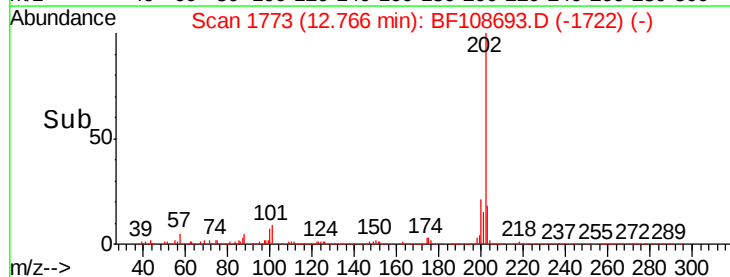
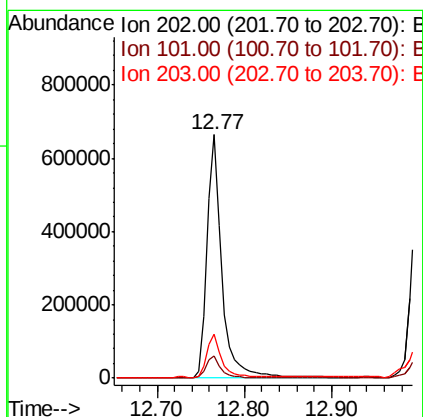
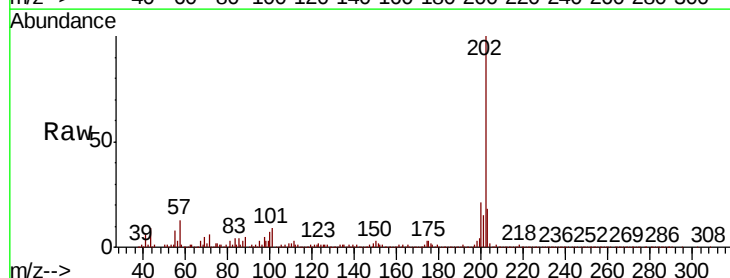
RT: 12.77 min Scan# 1773

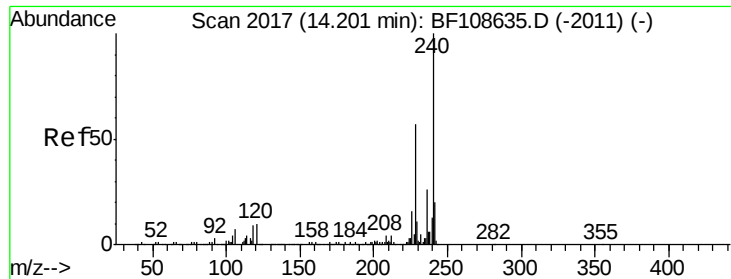
Delta R.T. 0.00 min

Lab File: BF108693.D

Acq: 31 Aug 2018 17:08

Tgt Ion:202	Resp:	780568
Ion Ratio	Lower	Upper
202	100	
101	9.0	0.0 34.1
203	18.0	0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF108693.D

Acq: 31 Aug 2018 17:08

Instrument :

BNA_F

ClientSampleId :

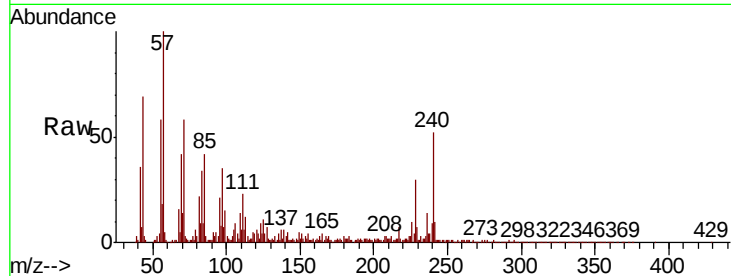
Tot Ion:240 Resp: 176039

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

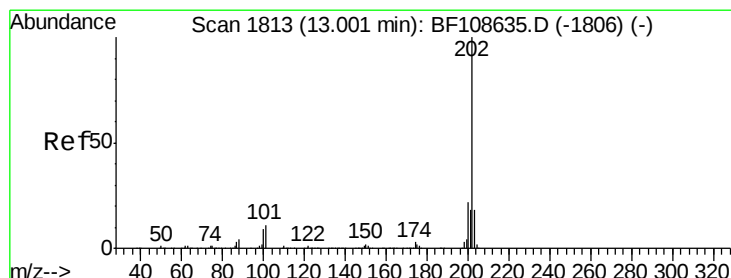
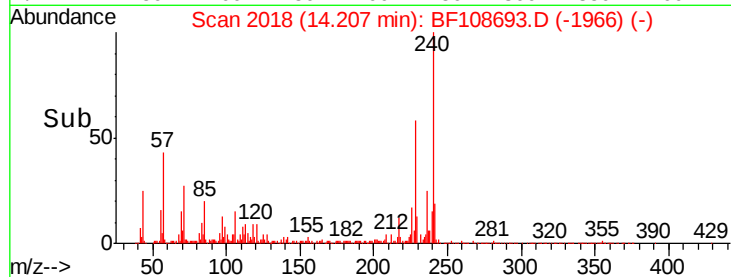
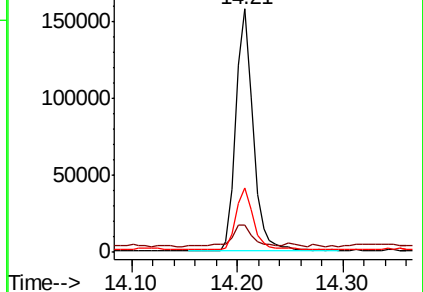
236 26.4 20.7 31.1



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

Pyrene

Concen: 46.756 ng

RT: 13.00 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BF108693.D

Acq: 31 Aug 2018 17:08

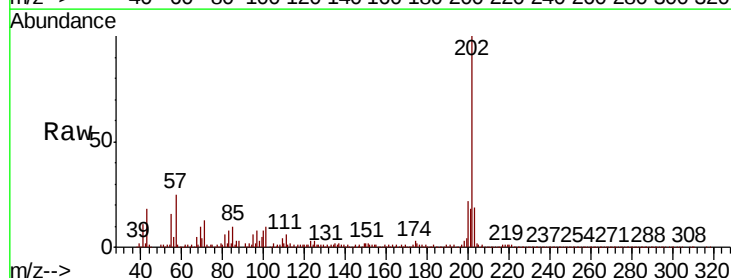
Tgt Ion:202 Resp: 618735

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

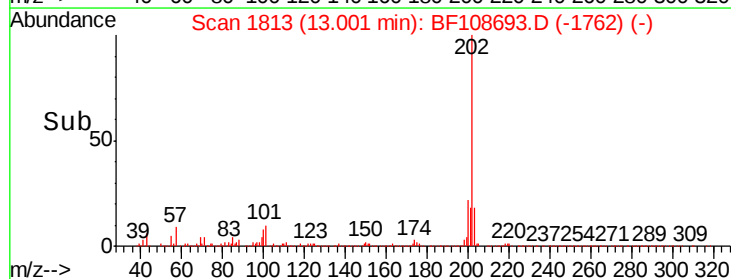
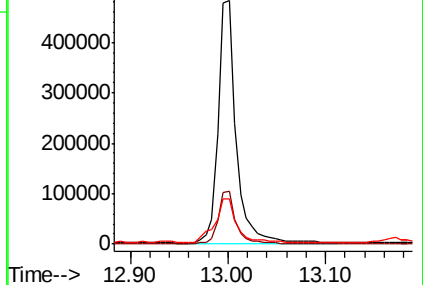
203 18.8 14.3 21.5

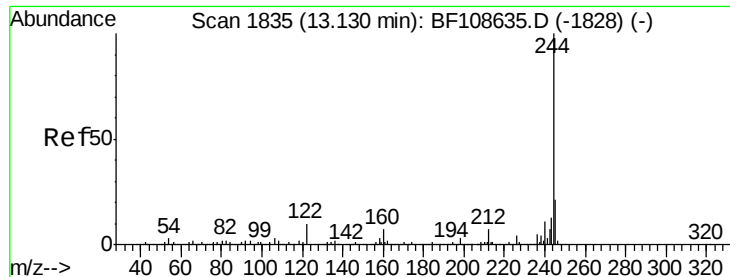


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

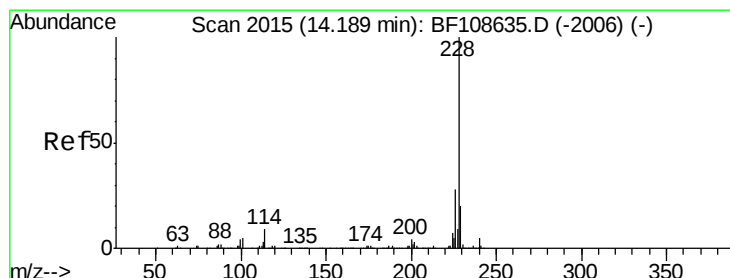
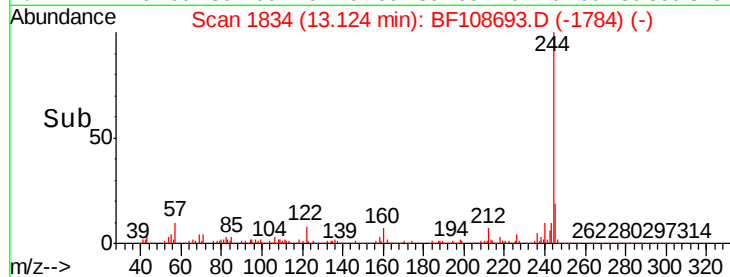
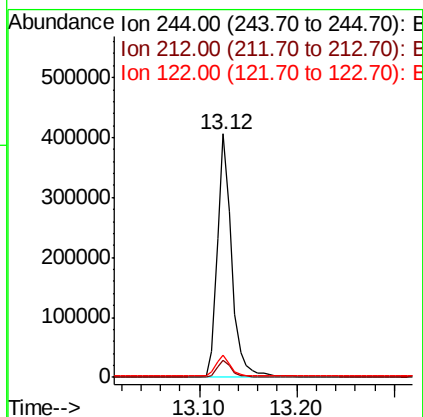
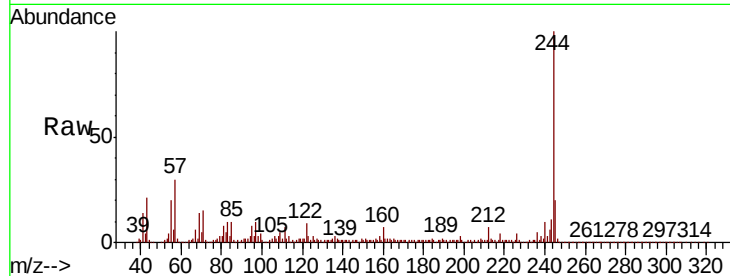




#78
 Terphenyl-d14
 Concen: 45.640 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108693.D
 Acq: 31 Aug 2018 17:08

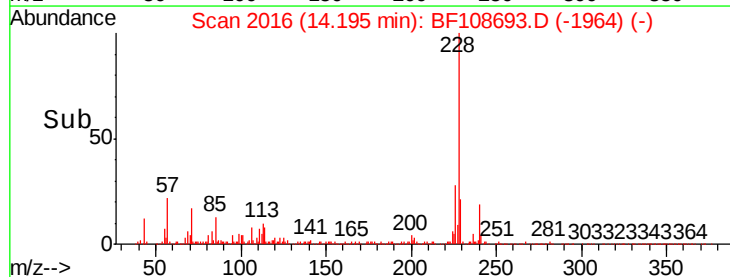
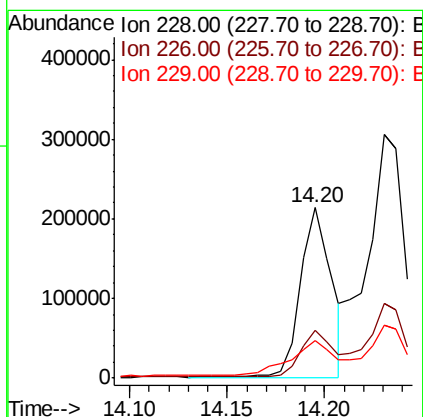
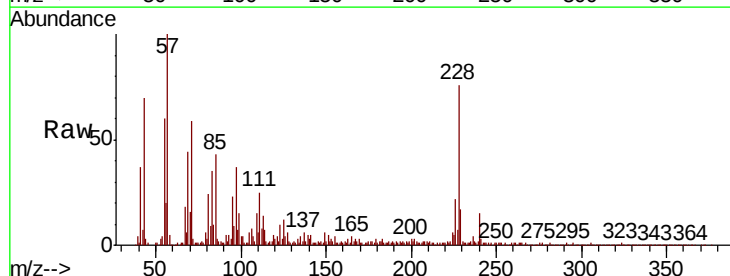
Instrument :
 BNA_F
 ClientSampleId :

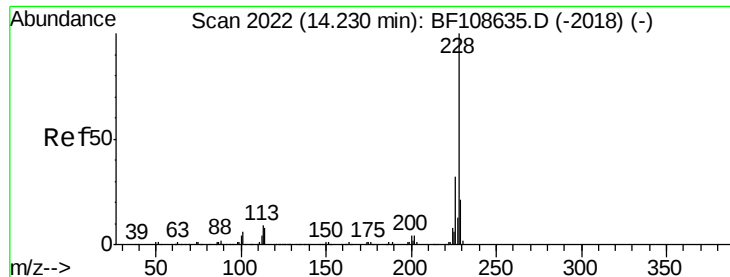
Tot Ion:244 Resp: 413513
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 9.1 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 21.763 ng
 RT: 14.20 min Scan# 2016
 Delta R.T. 0.01 min
 Lab File: BF108693.D
 Acq: 31 Aug 2018 17:08

Tgt Ion:228 Resp: 233561
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.6 33.8
 229 22.1 15.8 23.6

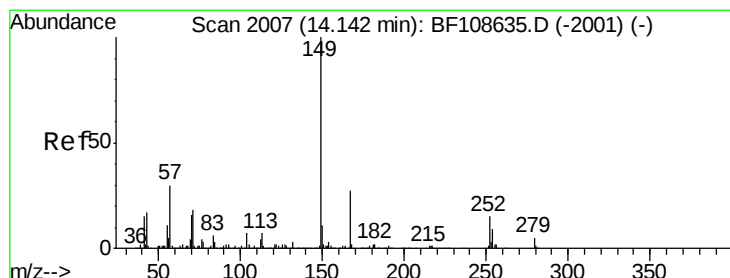
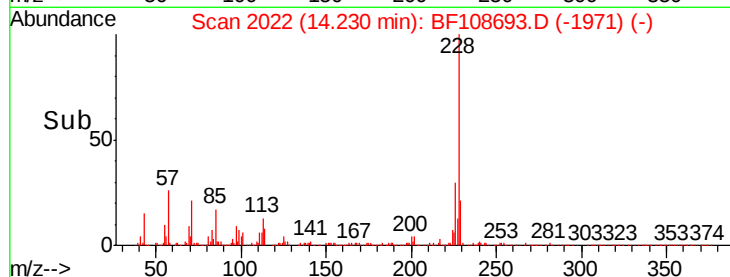
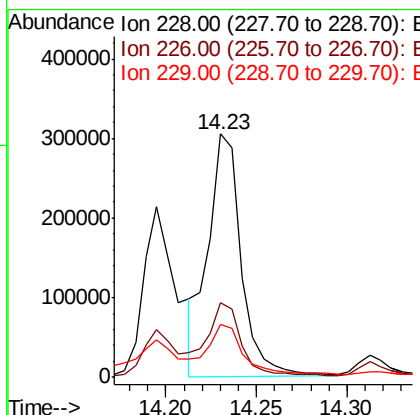
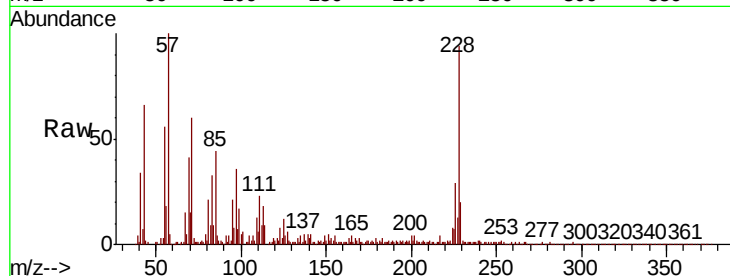




#82
 Chrysene
 Concen: 37.769 ng
 RT: 14.23 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: BF108693.D
 Acq: 31 Aug 2018 17:08

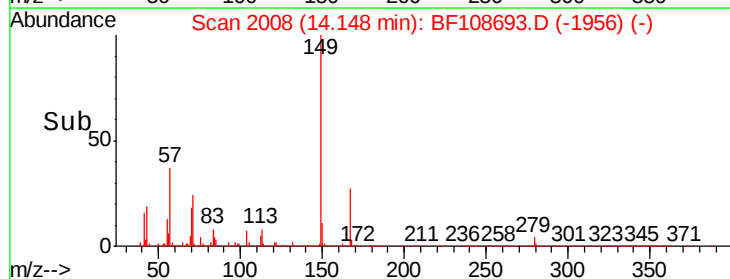
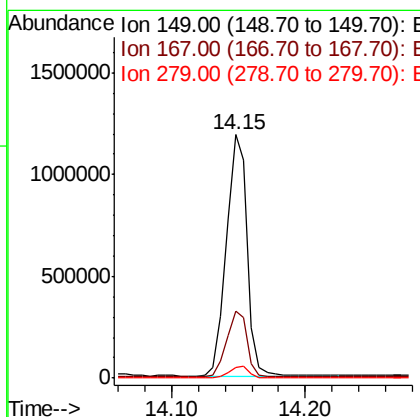
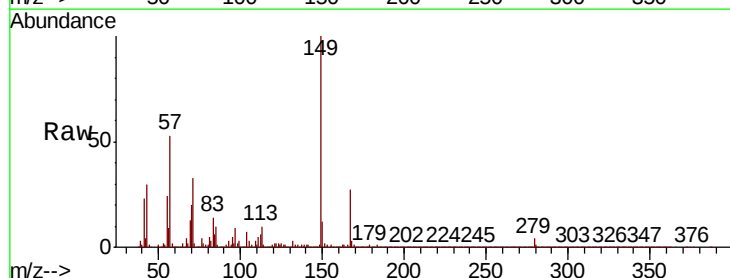
Instrument :
 BNA_F
 ClientSampleId :

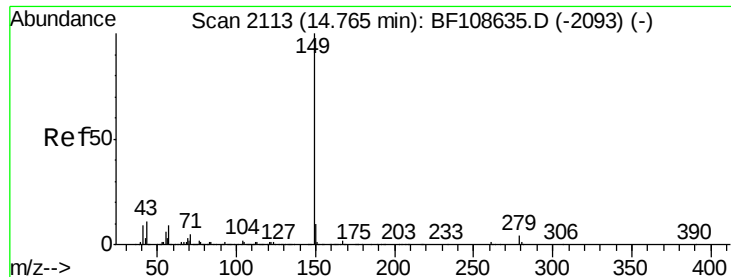
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	21.7	16.2	24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 182.385 ng
 RT: 14.15 min Scan# 2008
 Delta R.T. 0.01 min
 Lab File: BF108693.D
 Acq: 31 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.3	31.9
279	4.5	3.0	4.4

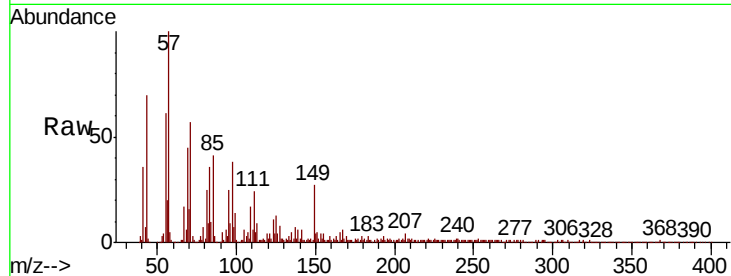




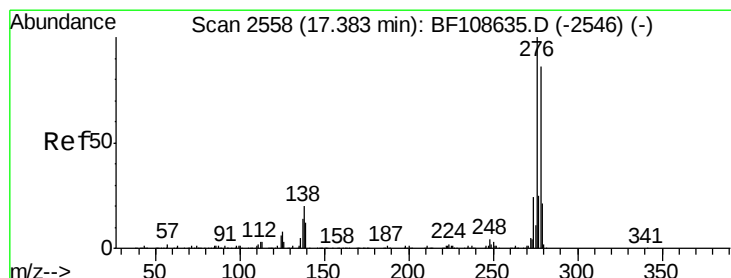
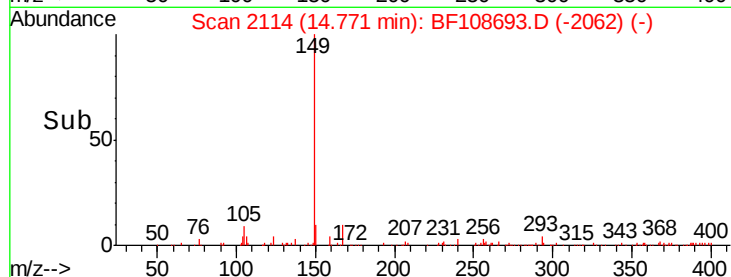
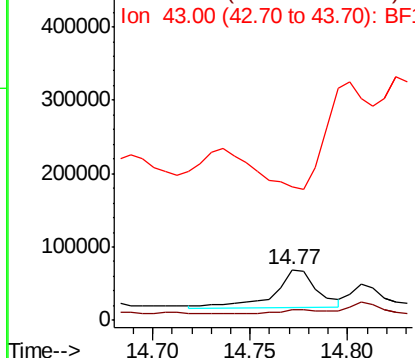
#84
Di-n-octyl phthalate
Concen: 7.422 ng
RT: 14.77 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	13.4	1.2	1.8#
43	0.0	8.4	12.6#

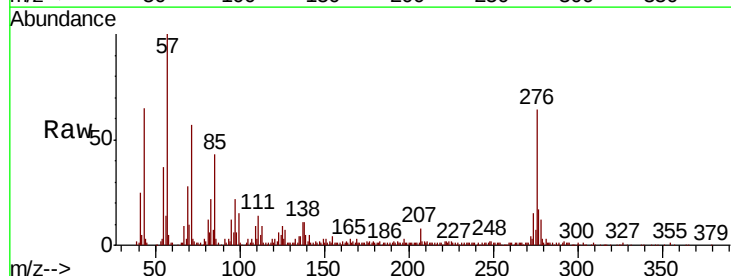


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

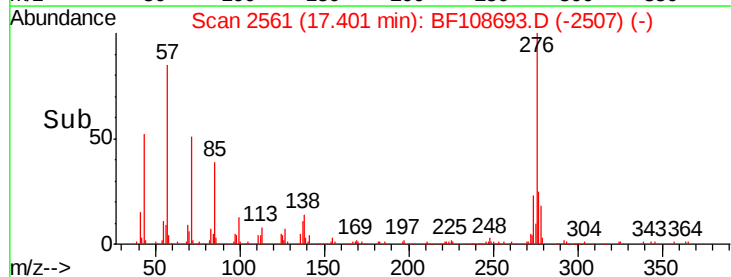
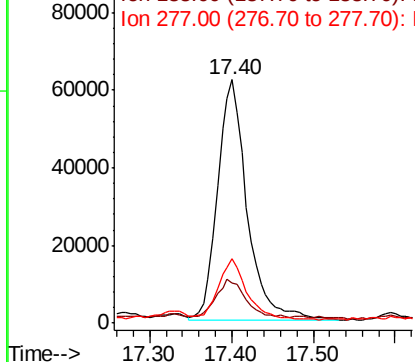


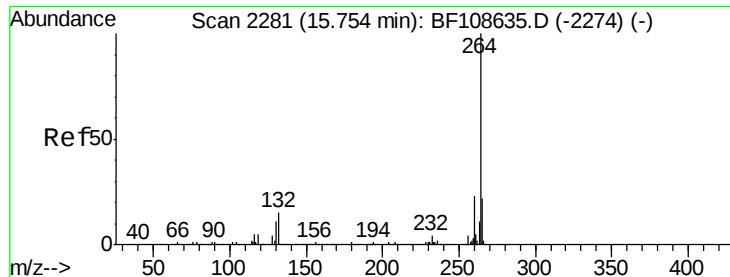
#85
Indeno(1,2,3-cd)pyrene
Concen: 21.785 ng
RT: 17.40 min Scan# 2561
Delta R.T. 0.02 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.2	25.0	37.6#
277	24.4	20.1	30.1



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

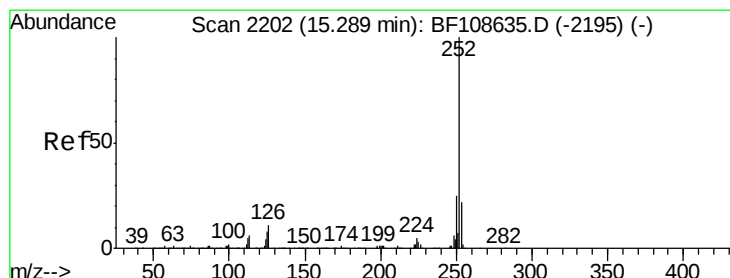
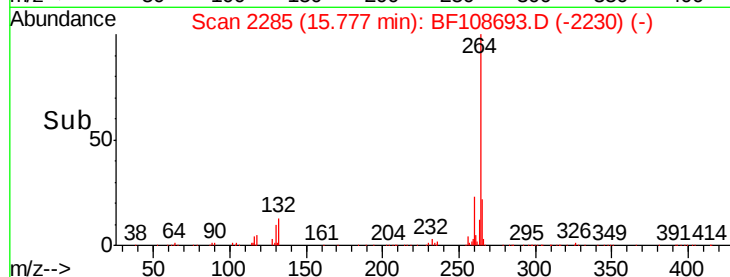
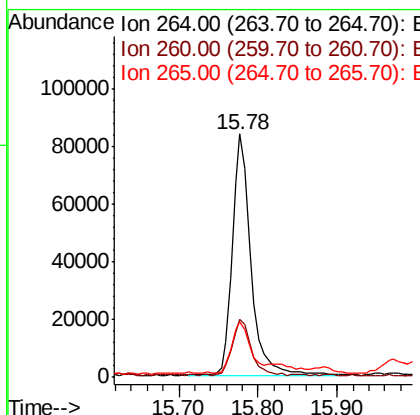
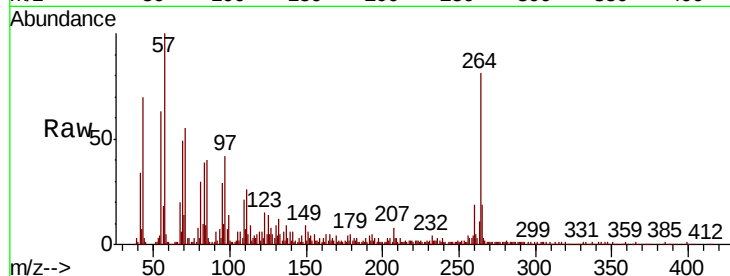




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. 0.02 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

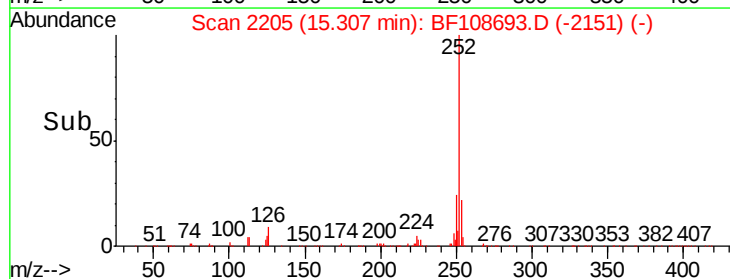
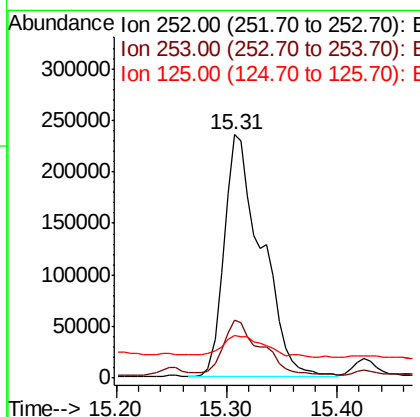
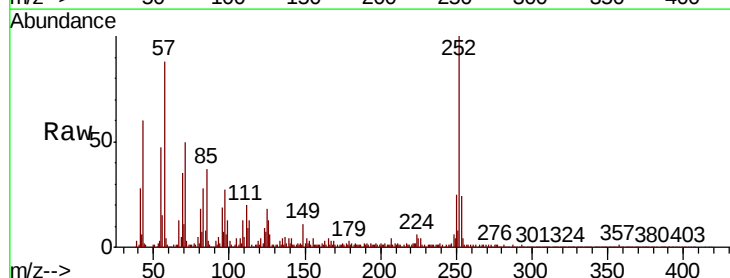
Instrument :
BNA_F
ClientSampled :

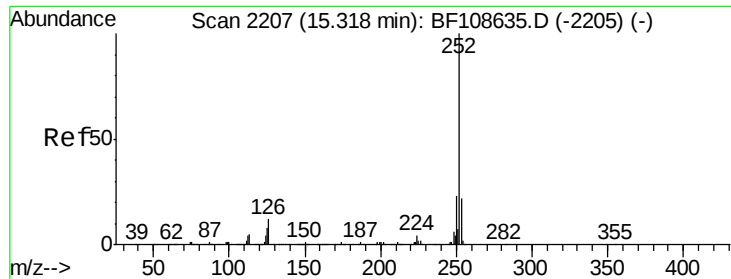
Tot Ion:264 Resp: 137335
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 23.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 65.940 ng
RT: 15.31 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

Tgt Ion:252 Resp: 556291
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 17.5 9.0 13.6#

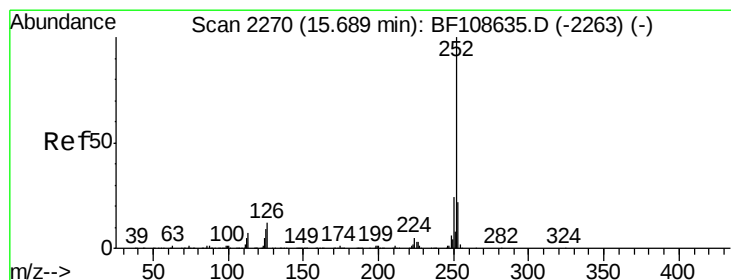
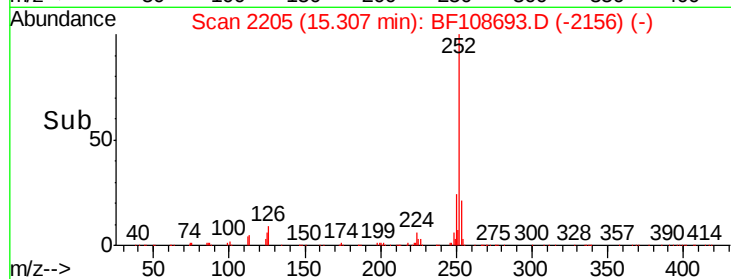
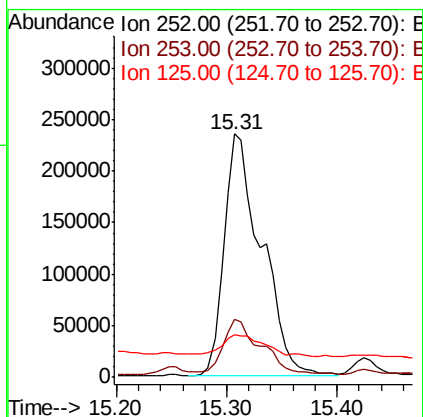
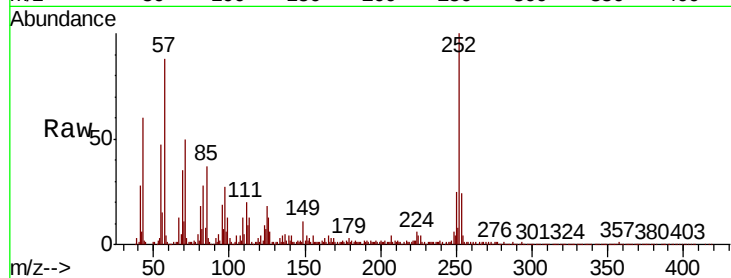




#88
Benzo(k)fluoranthene
Concen: 66.564 ng
RT: 15.31 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

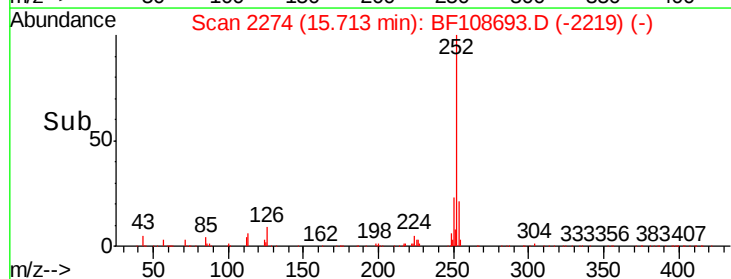
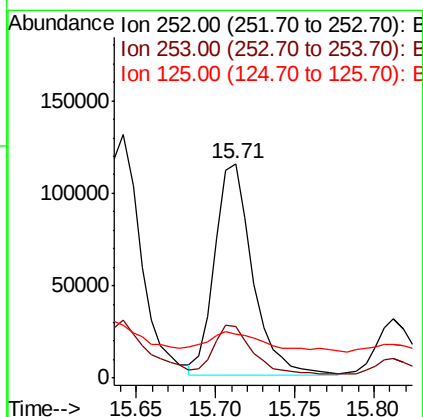
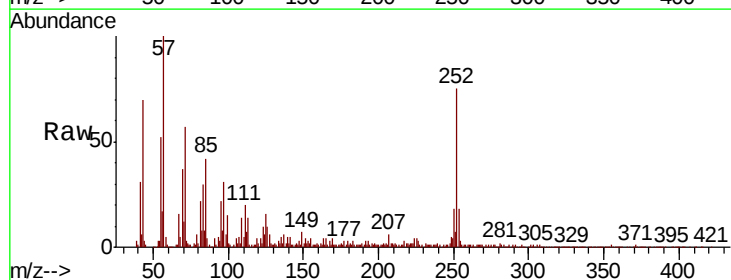
Instrument :
BNA_F
ClientSampleId :

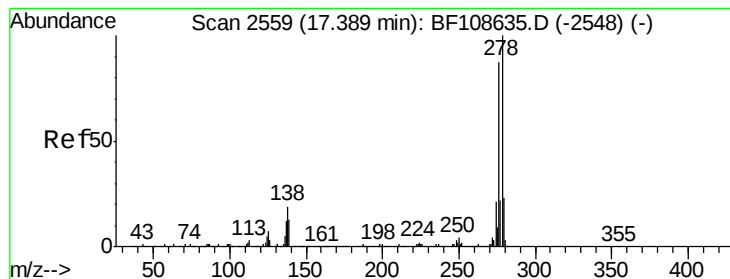
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	17.5	10.2	15.2



#89
Benzo(a)pyrene
Concen: 25.062 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF108693.D
Acq: 31 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	20.7	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 4.648 ng

RT: 17.41 min Scan# 2562

Delta R.T. 0.02 min

Lab File: BF108693.D

Acq: 31 Aug 2018 17:08

Instrument :

BNA_F

ClientSampleId :

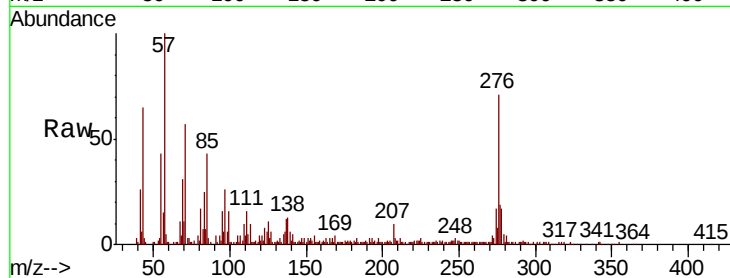
Tot Ion:278 Resp: 28304

Ion Ratio Lower Upper

278 100

139 36.5 15.9 23.9#

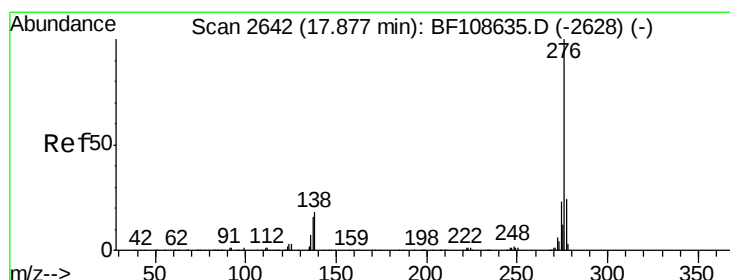
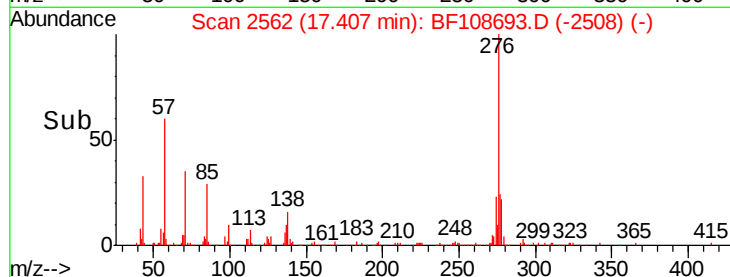
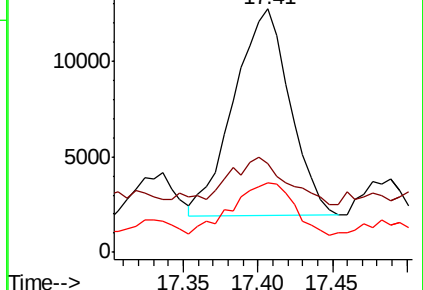
279 28.6 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 26.941 ng

RT: 17.89 min Scan# 2645

Delta R.T. 0.02 min

Lab File: BF108693.D

Acq: 31 Aug 2018 17:08

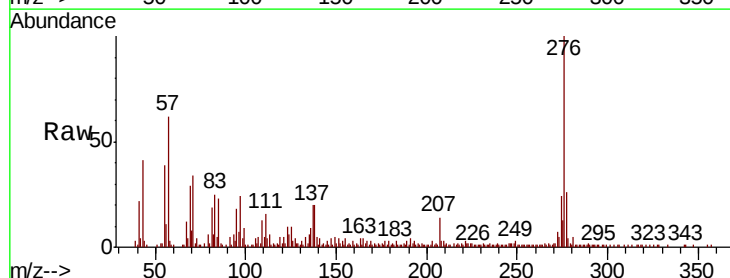
Tgt Ion:276 Resp: 159437

Ion Ratio Lower Upper

276 100

277 26.4 17.9 26.9

138 19.8 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

