

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108740.D
 Acq On : 4 Sep 2018 15:00
 Operator : JU/SJ
 Sample : J4756-02 4X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 16:38:59 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

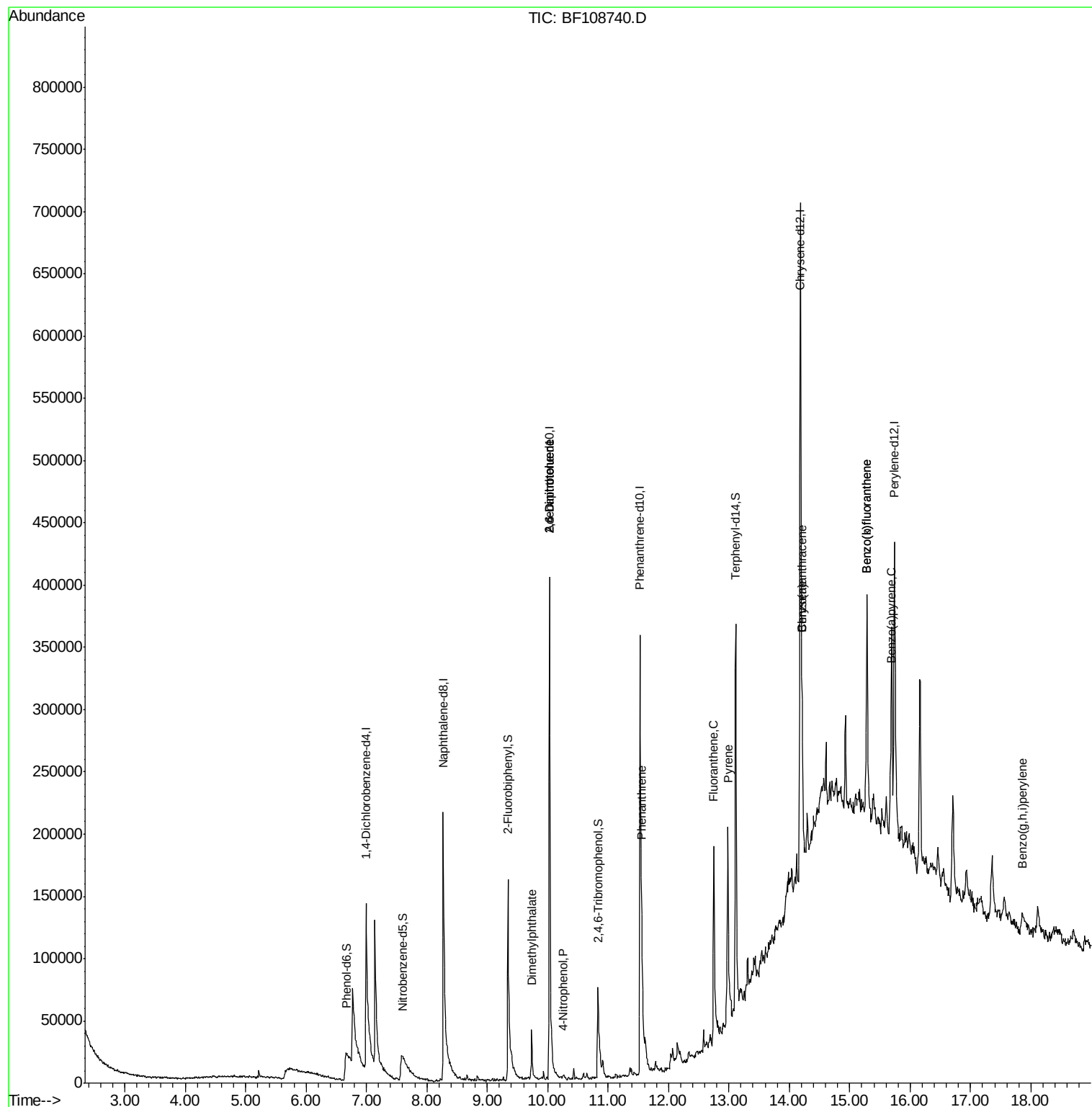
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	53741	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	241008	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	109835	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	238736	20.00	ng	-0.02
75) Chrysene-d12	14.18	240	248043	20.00	ng	-0.02
86) Perylene-d12	15.74	264	175956	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	5150	1.66	ng	0.02
7) Phenol-d6	6.67	99	16214	3.66	ng	0.02
23) Nitrobenzene-d5	7.60	82	18959	3.99	ng	0.03
41) 2,4,6-Tribromophenol	10.83	330	24330	16.78	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	114745	14.05	ng	-0.02
78) Terphenyl-d14	13.11	244	159812	12.52	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.74	163	26253	3.035	ng	# 95
50) 2,6-Dinitrotoluene	10.03	165	13220	6.934	ng	# 24
55) 4-Nitrophenol	10.25	139	132	4.854	ng	# 9
56) 2,4-Dinitrotoluene	10.03	165	13220	5.237	ng	# 21
70) Phenanthrene	11.56	178	51120	4.242	ng	98
74) Fluoranthene	12.75	202	109832	8.097	ng	94
77) Pyrene	12.98	202	100129	5.370	ng	98
80) Benzo(a)anthracene	14.21	228	48715	3.222	ng	94
82) Chrysene	14.21	228	48715	3.350	ng	98
87) Benzo(b)fluoranthene	15.28	252	64940	6.008	ng	# 91
88) Benzo(k)fluoranthene	15.28	252	64940	6.065	ng	# 94
89) Benzo(a)pyrene	15.68	252	32595	3.337	ng	# 79
91) Benzo(a,h,i)perylene	17.85	276	18552	2.447	ng	# 85

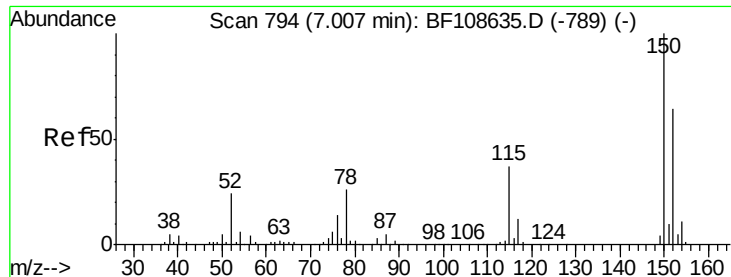
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108740.D
Acq On : 4 Sep 2018 15:00
Operator : JU/SJ
Sample : J4756-02 4X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 04 16:38:59 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



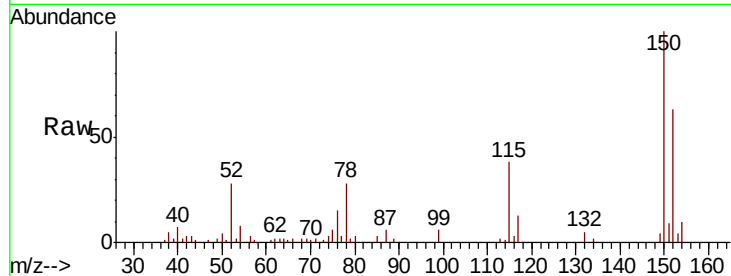


#1

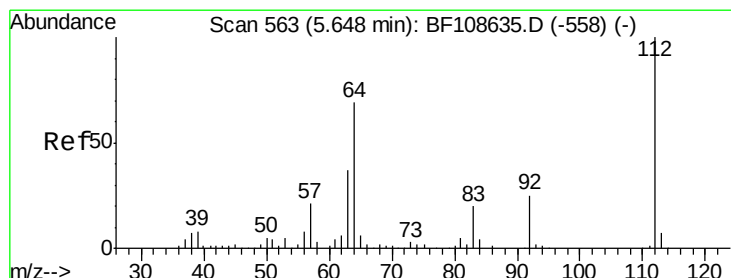
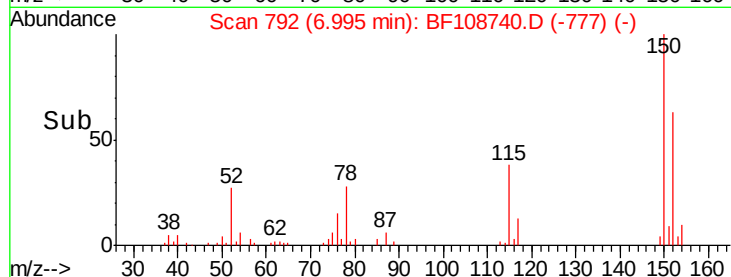
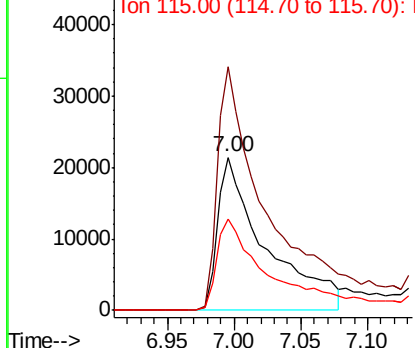
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108740.D
Acq: 4 Sep 2018 15:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 53741
Ion Ratio Lower Upper
152 100
150 159.1 124.6 186.8
115 59.9 50.1 75.1



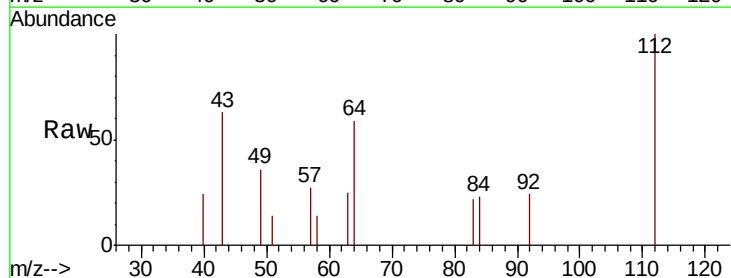
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



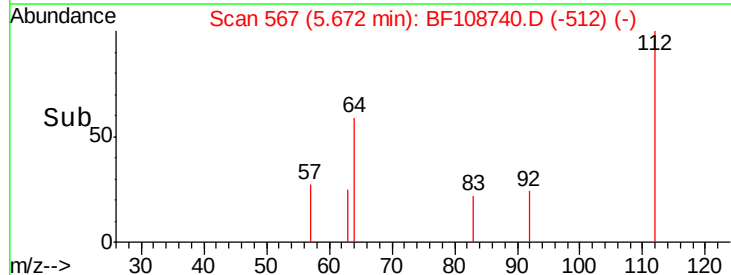
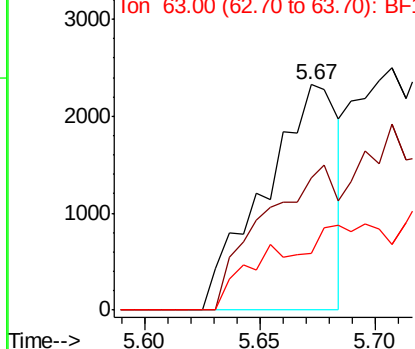
#5

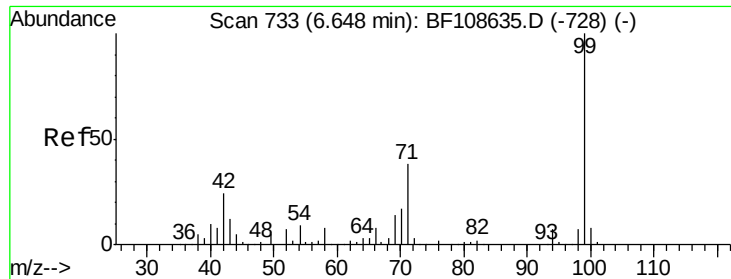
2-Fluorophenol
Concen: 1.665 ng
RT: 5.67 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF108740.D
Acq: 4 Sep 2018 15:00

Tgt Ion:112 Resp: 5150
Ion Ratio Lower Upper
112 100
64 58.9 47.9 71.9
63 25.4 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: 3.659 ng

RT: 6.67 min Scan# 736

Delta R.T. 0.02 min

Lab File: BF108740.D

Acq: 4 Sep 2018 15:00

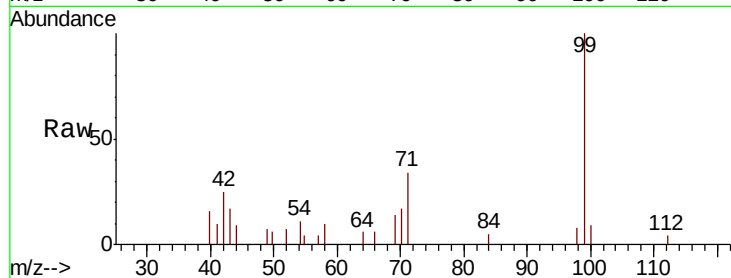
Instrument :

BNA_F

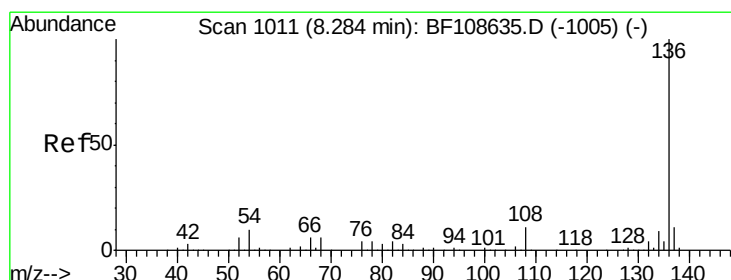
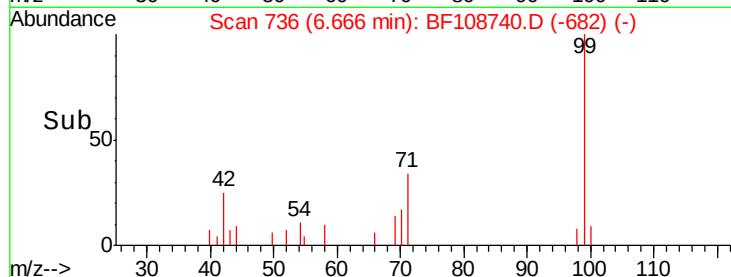
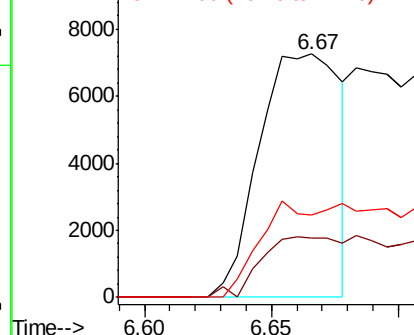
ClientSampleId :

Tot Ion: 99 Resp: 16214

Ion	Ratio	Lower	Upper
99	100		
42	24.5	14.5	21.7#
71	34.0	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: 8.27 min Scan# 1009

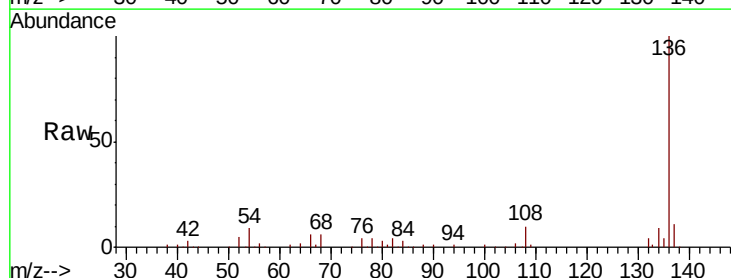
Delta R.T. -0.01 min

Lab File: BF108740.D

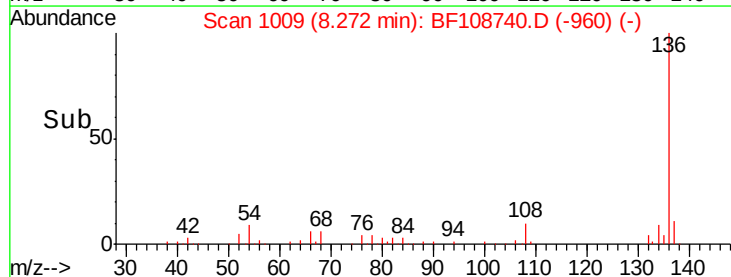
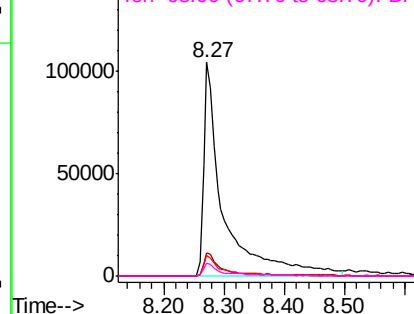
Acq: 4 Sep 2018 15:00

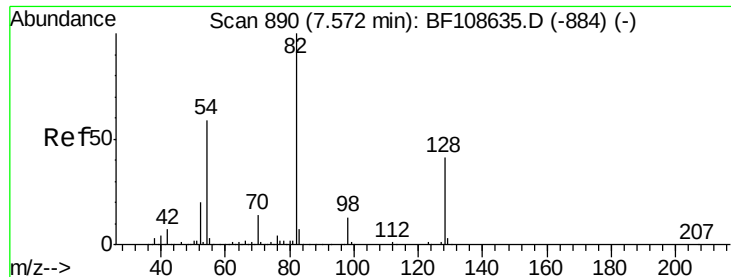
Tgt Ion: 136 Resp: 241008

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.4	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: 3.993 ng

RT: 7.60 min Scan# 895

Delta R.T. 0.03 min

Lab File: BF108740.D

Acq: 4 Sep 2018 15:00

Instrument :

BNA_F

ClientSampled :

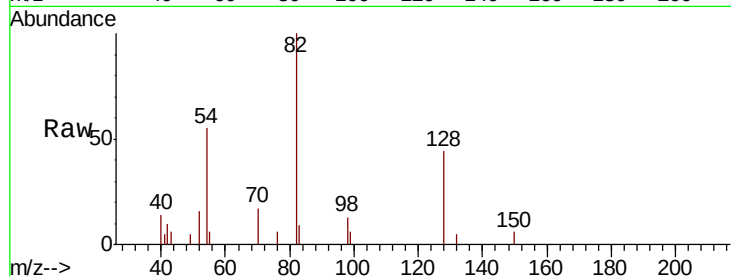
Tot Ion: 82 Resp: 18959

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

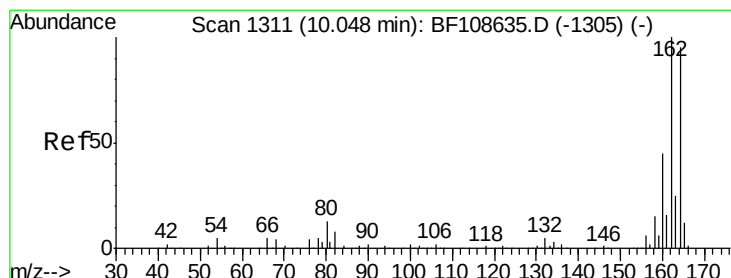
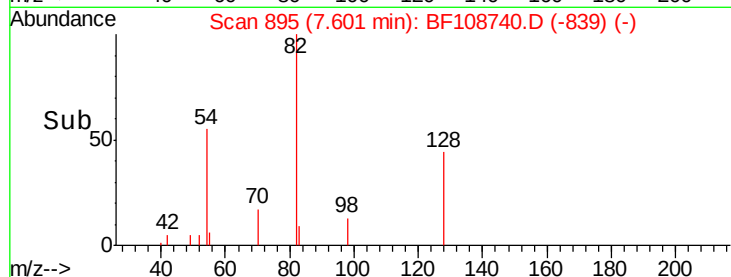
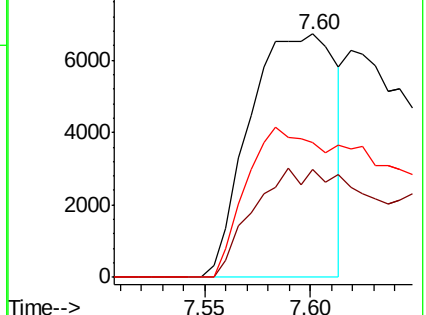
54 55.5 41.4 62.2



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF108740.D

Acq: 4 Sep 2018 15:00

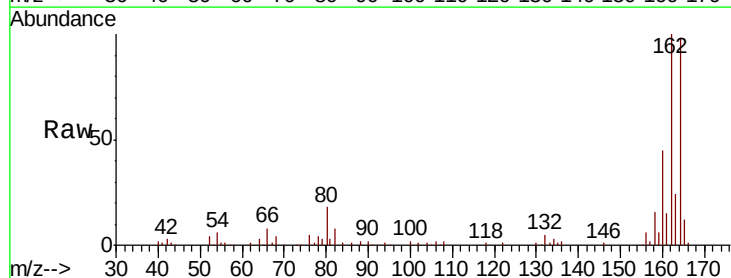
Tgt Ion: 164 Resp: 109835

Ion Ratio Lower Upper

164 100

162 102.1 86.1 129.1

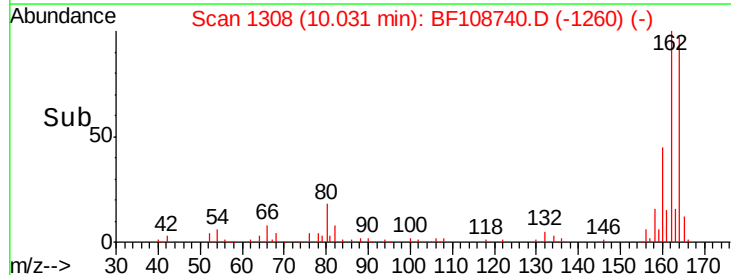
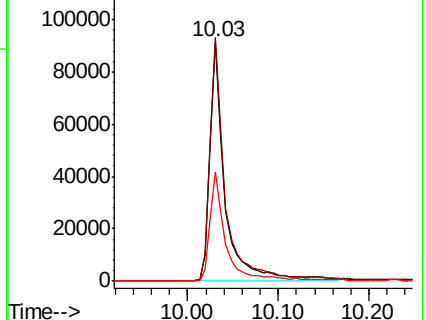
160 46.1 38.3 57.5

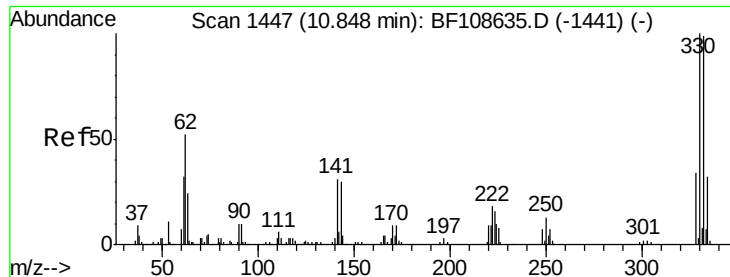


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

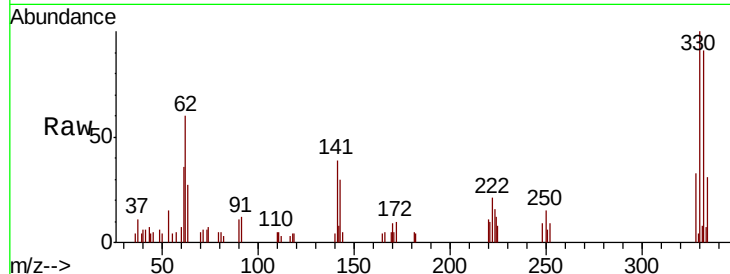




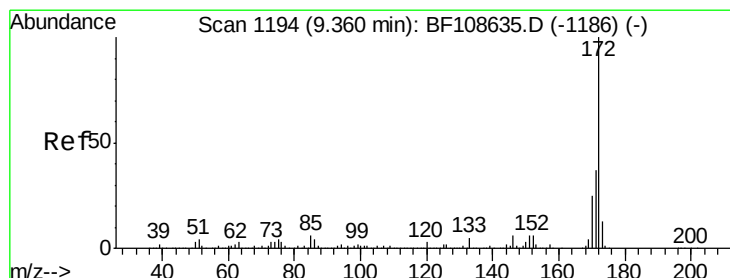
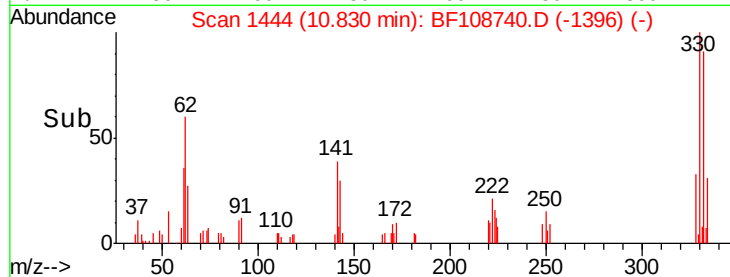
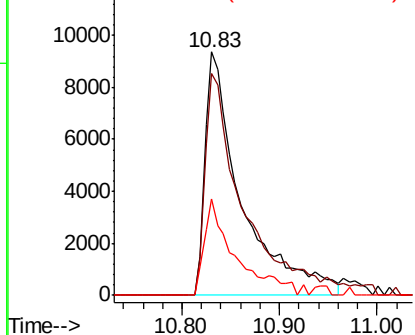
#41
 2,4,6-Tribromophenol
 Concen: 16.780 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. -0.02 min
 Lab File: BF108740.D
 Acq: 4 Sep 2018 15:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 24330
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.0 115.6
 141 33.5 29.9 44.9

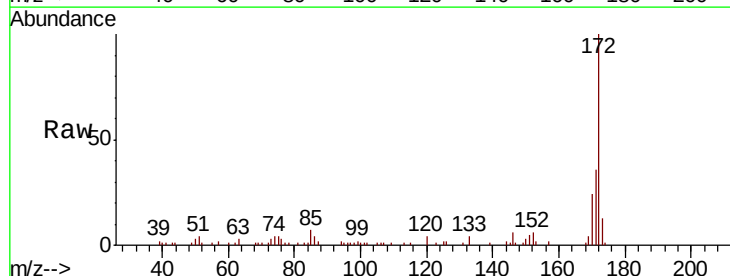


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

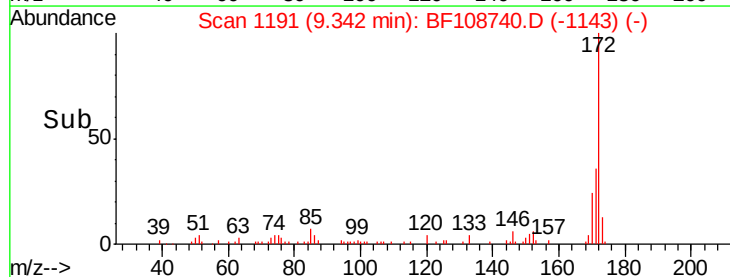
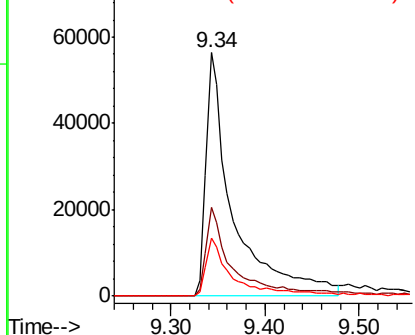


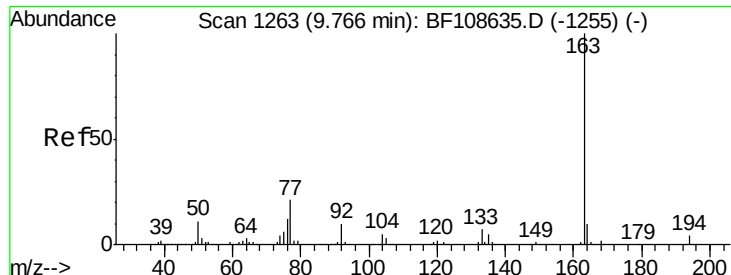
#44
 2-Fluorobiphenyl
 Concen: 14.047 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF108740.D
 Acq: 4 Sep 2018 15:00

Tgt Ion:172 Resp: 114745
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 23.8 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





#49

Dimethylphthalate

Concen: 3.035 ng

RT: 9.74 min Scan# 1258

Delta R.T. -0.03 min

Lab File: BF108740.D

Acq: 4 Sep 2018 15:00

Instrument :

BNA_F

ClientSampled :

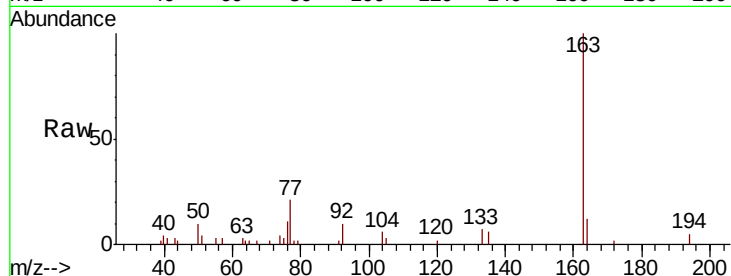
Tot Ion:163 Resp: 26253

Ion Ratio Lower Upper

163 100

194 4.8 2.7 4.1#

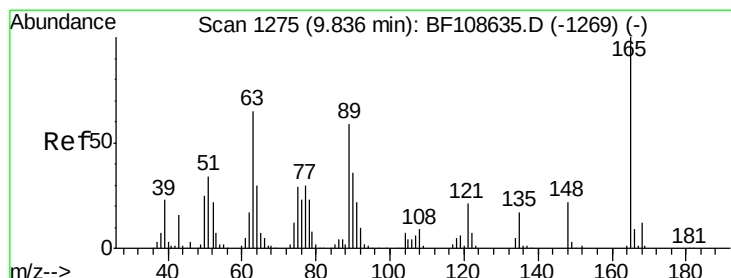
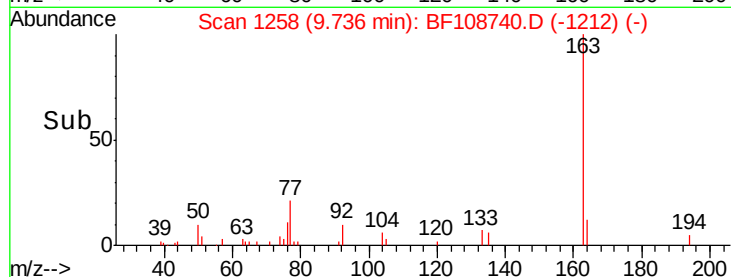
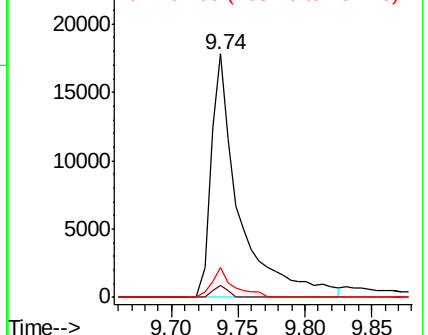
164 12.2 8.2 12.2



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: 6.934 ng

RT: 10.03 min Scan# 1308

Delta R.T. 0.19 min

Lab File: BF108740.D

Acq: 4 Sep 2018 15:00

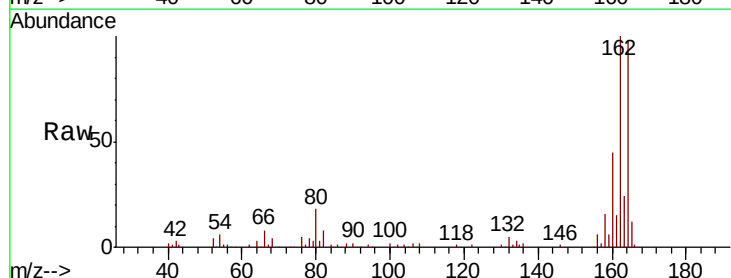
Tgt Ion:165 Resp: 13220

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

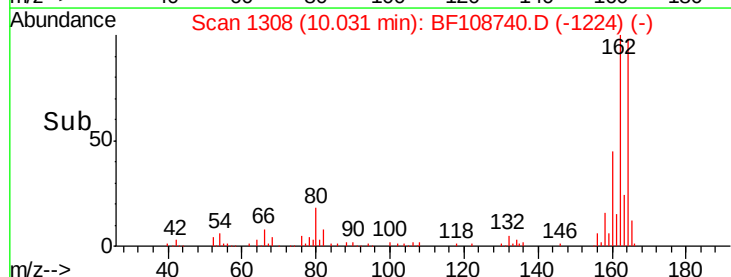
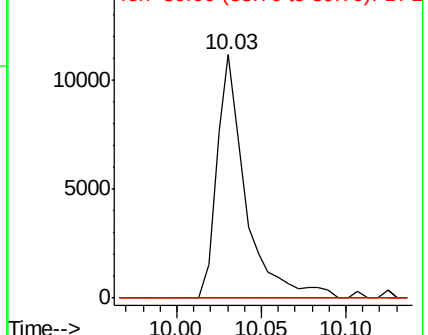
89 0.0 44.0 66.0#

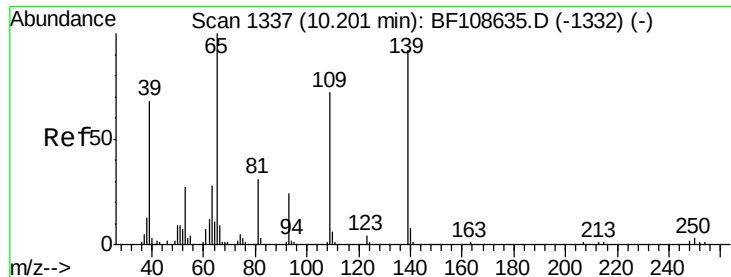


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

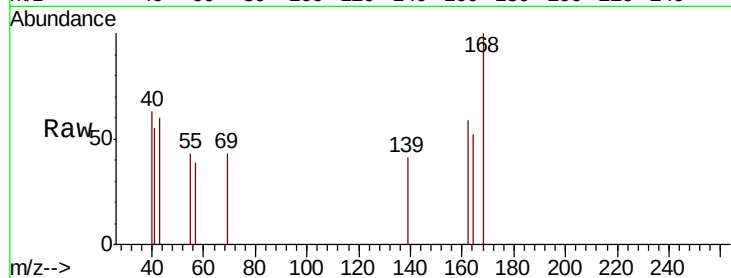




#55
4-Nitrophenol
Concen: 4.854 ng
RT: 10.25 min Scan# 1345
Delta R.T. 0.05 min
Lab File: BF108740.D
Acq: 4 Sep 2018 15:00

Instrument :
BNA_F
ClientSampled :

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

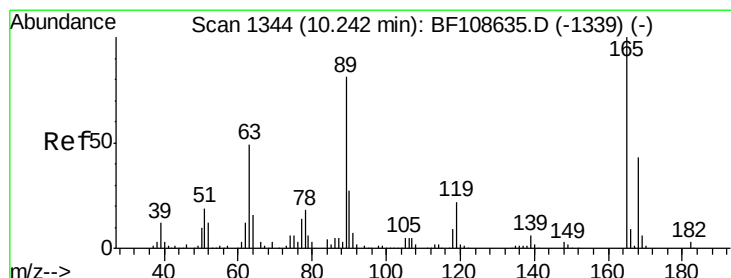
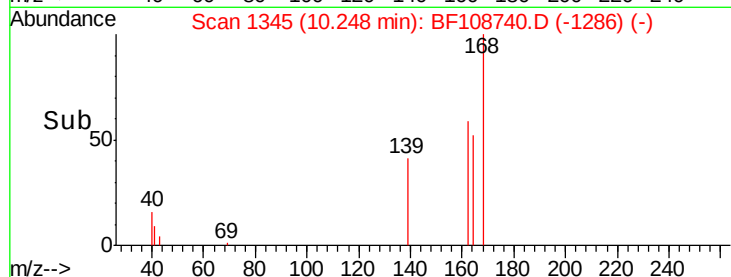
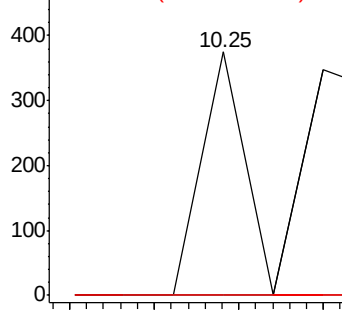


Abundance

Ion 139.00 (138.70 to 139.70): E

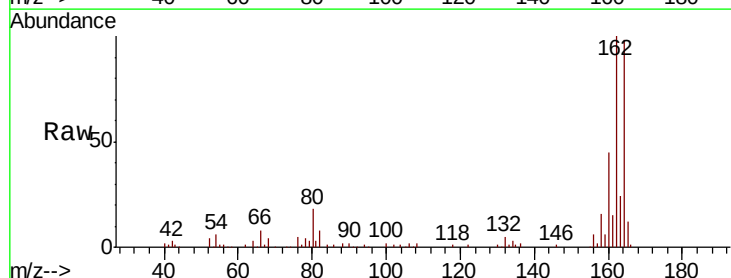
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56
2,4-Dinitrotoluene
Concen: 5.237 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.21 min
Lab File: BF108740.D
Acq: 4 Sep 2018 15:00

Tgt 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#



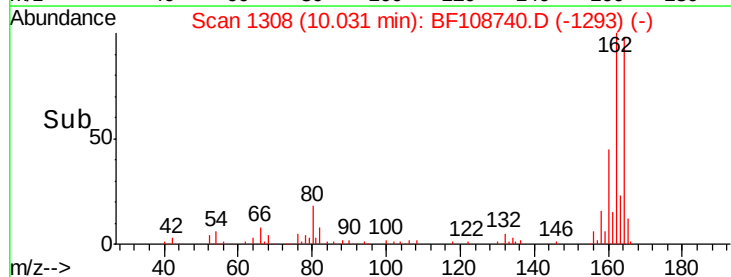
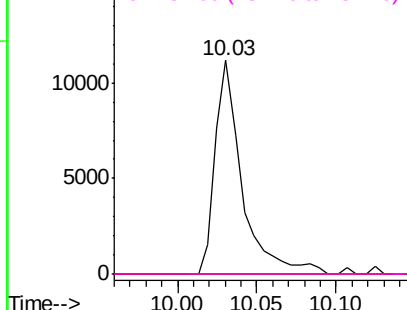
Abundance

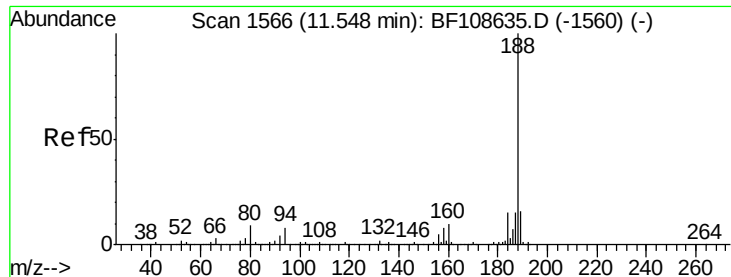
Ion 165.00 (164.70 to 165.70): E

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

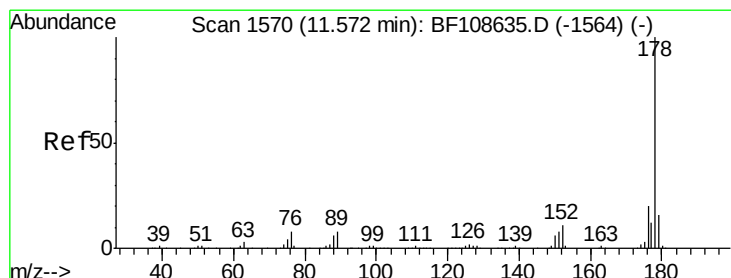
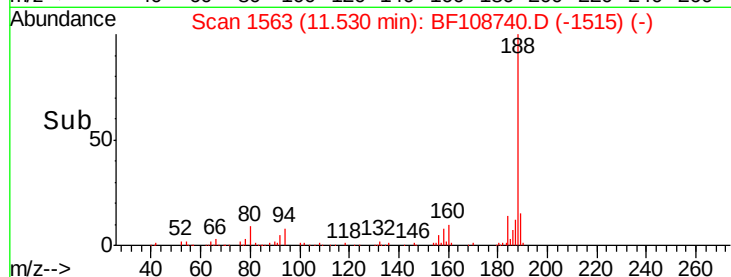
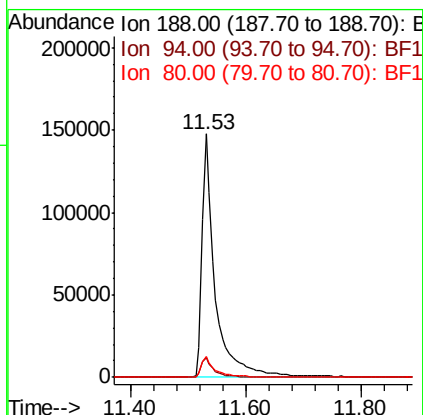
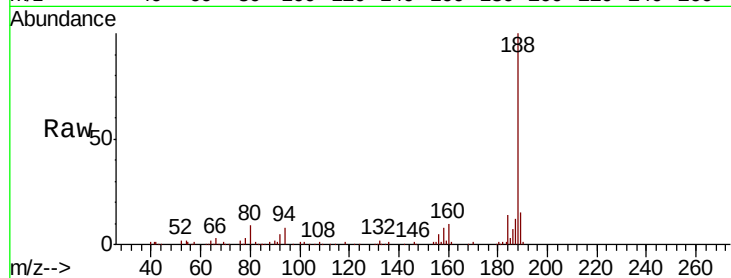




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108740.D
Acq: 4 Sep 2018 15:00

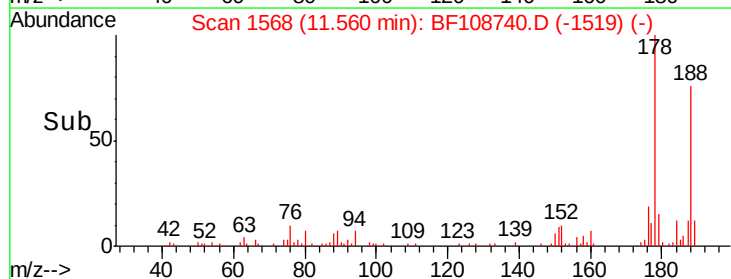
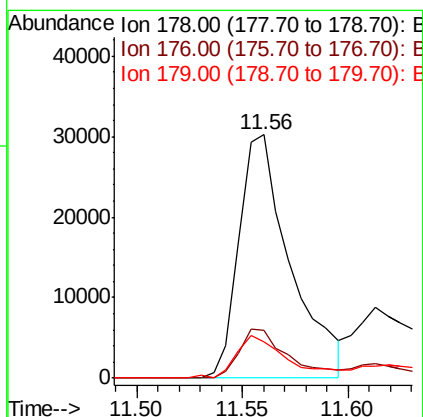
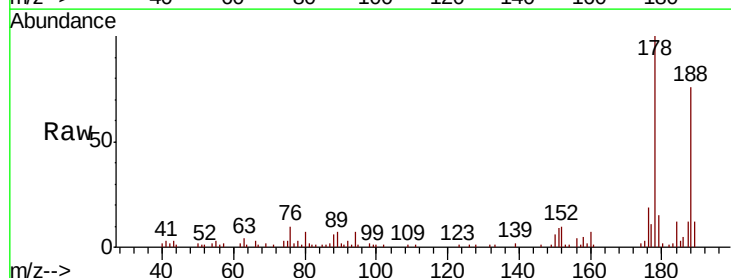
Instrument :
BNA_F
ClientSampleId :

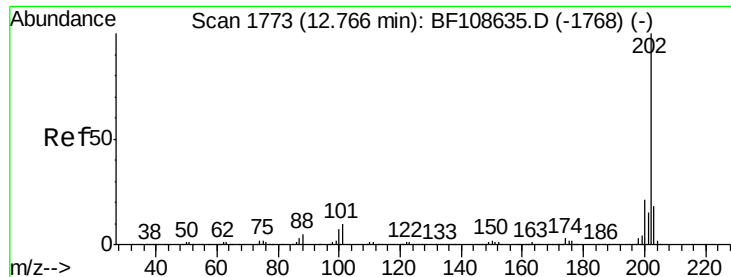
Tot Ion:188 Resp: 238736
Ion Ratio Lower Upper
188 100
94 7.8 8.5 12.7#
80 8.7 9.2 13.8#



#70
Phenanthrene
Concen: 4.242 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF108740.D
Acq: 4 Sep 2018 15:00

Tgt Ion:178 Resp: 51120
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 14.8 13.0 19.6

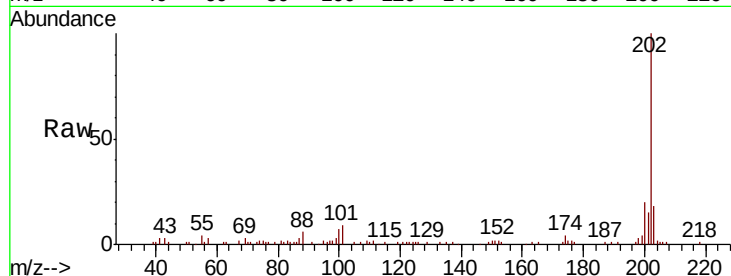




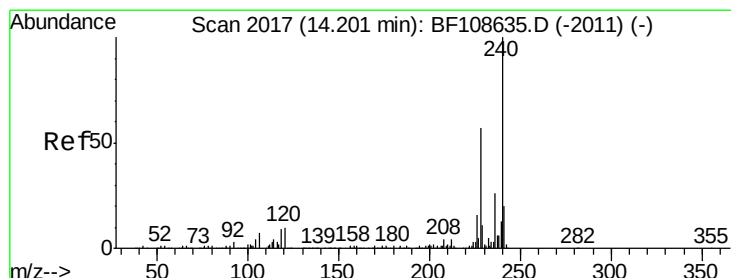
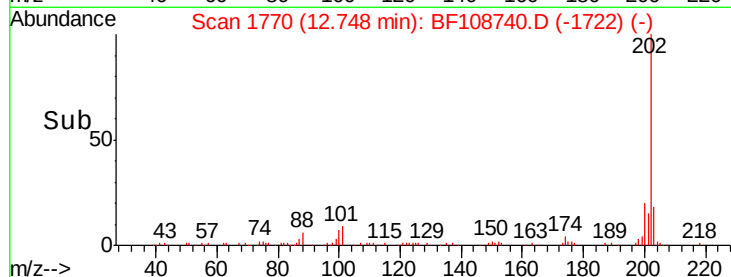
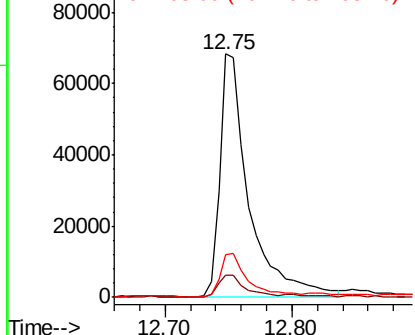
#74
Fluoranthene
Concen: 8.097 ng
RT: 12.75 min Scan# 1770
Delta R.T. -0.02 min
Lab File: BF108740.D
Acq: 4 Sep 2018 15:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	34.1
203	17.6	0.0	38.1

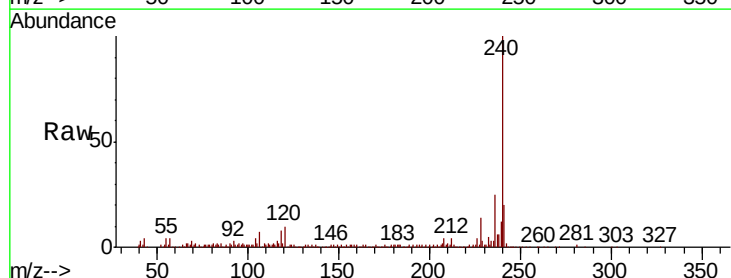


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

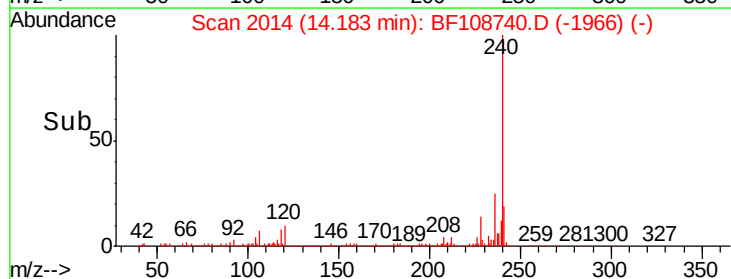
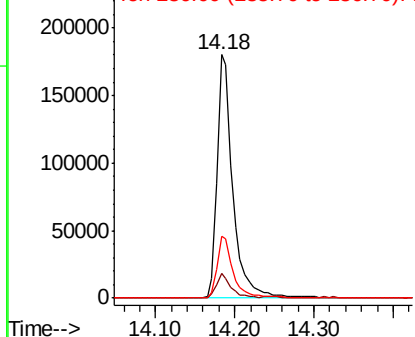


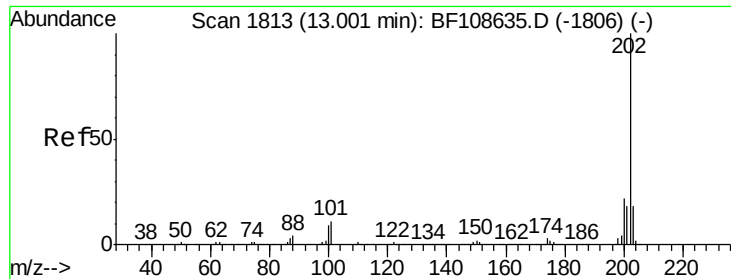
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.02 min
Lab File: BF108740.D
Acq: 4 Sep 2018 15:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.5	14.3
236	25.4	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

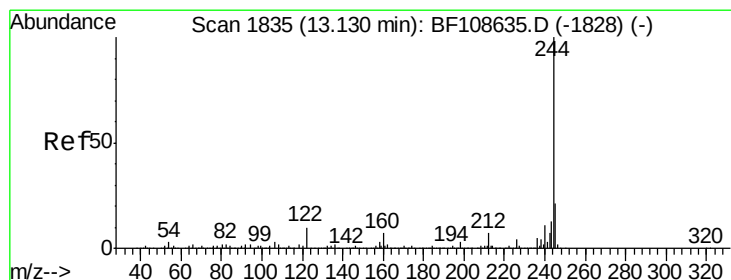
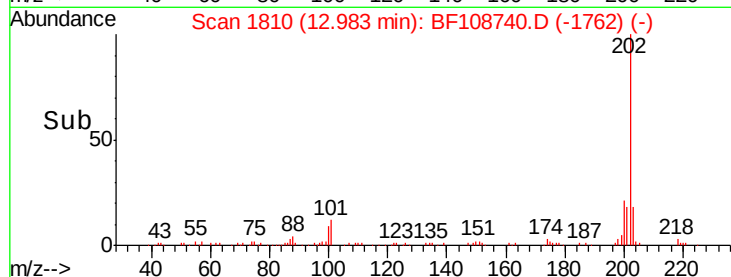
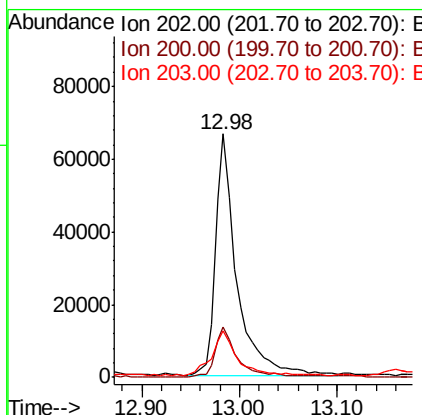
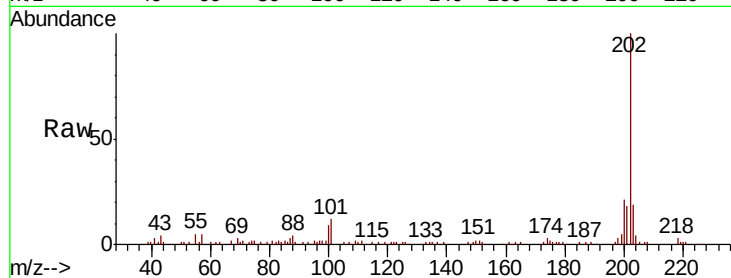




#77
Pvrene
Concen: 5.370 ng
RT: 12.98 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF108740.D
Acq: 4 Sep 2018 15:00

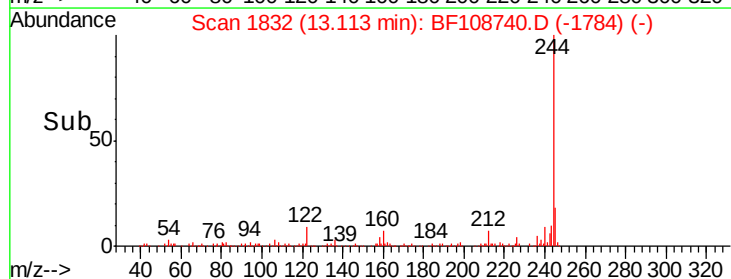
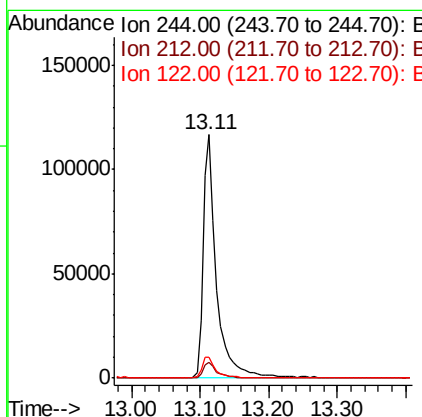
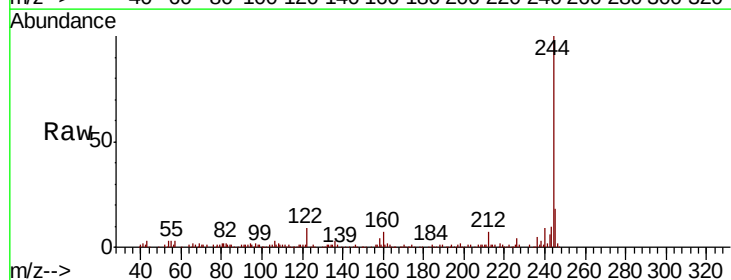
Instrument :
BNA_F
ClientSampleId :

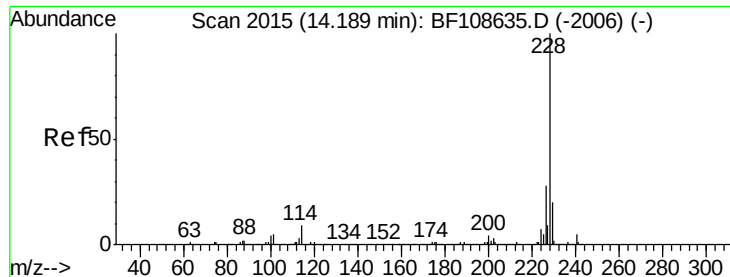
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	18.9	14.3	21.5



#78
Terphenyl-d14
Concen: 12.518 ng
RT: 13.11 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF108740.D
Acq: 4 Sep 2018 15:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	8.8	11.0	16.4#





#80

Benzo(a)anthracene

Concen: 3.222 ng

RT: 14.21 min Scan# 2019

Delta R.T. 0.02 min

Lab File: BF108740.D

Acq: 4 Sep 2018 15:00

Instrument :

BNA_F

ClientSampleId :

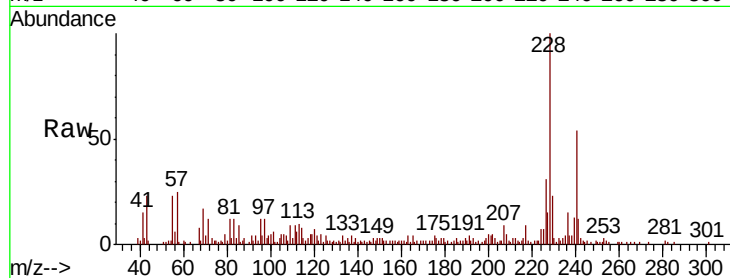
Tot Ion:228 Resp: 48715

Ion Ratio Lower Upper

228 100

226 31.3 22.6 33.8

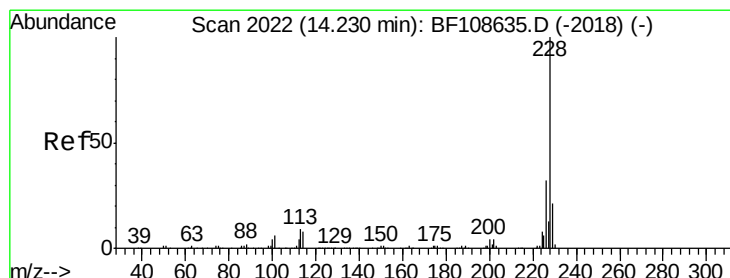
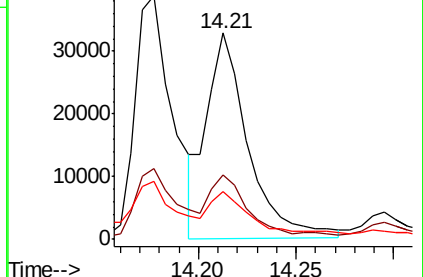
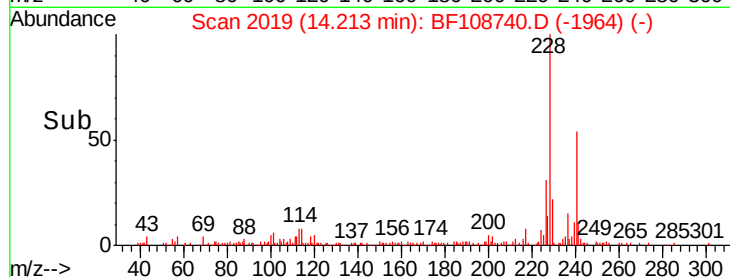
229 22.9 15.8 23.6



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: 3.350 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF108740.D

Acq: 4 Sep 2018 15:00

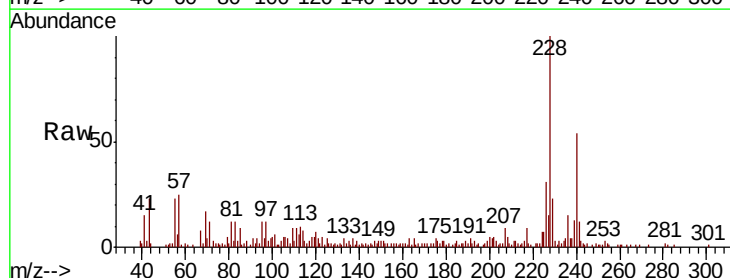
Tgt Ion:228 Resp: 48715

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

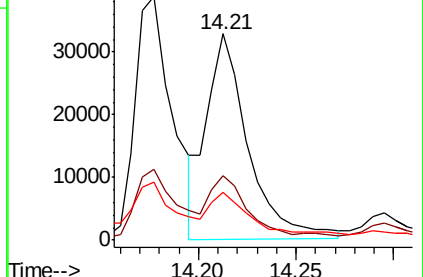
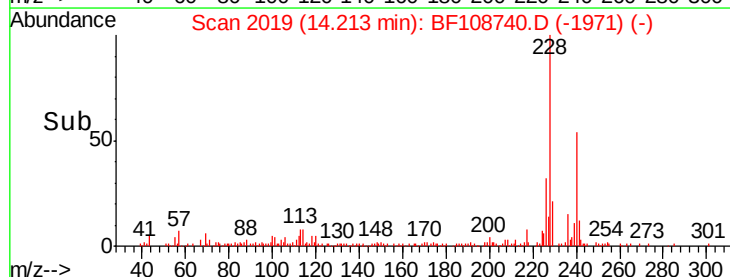
229 22.9 16.2 24.4

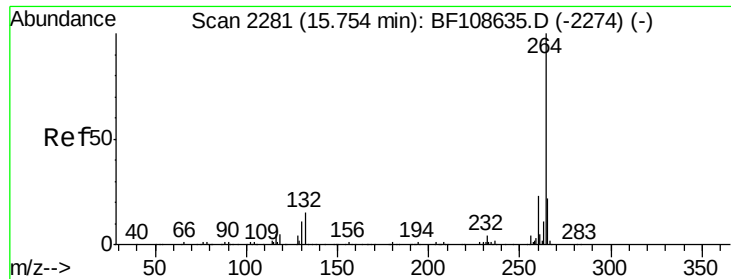


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



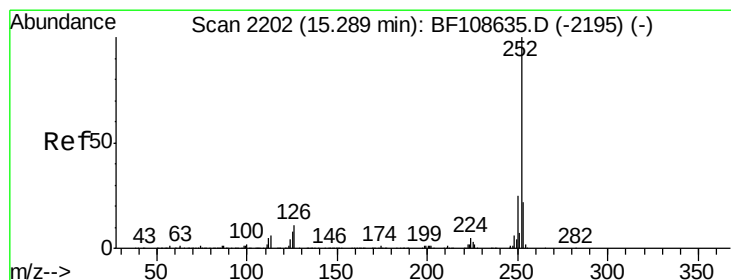
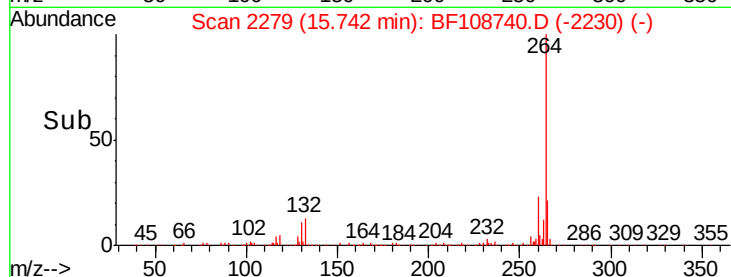
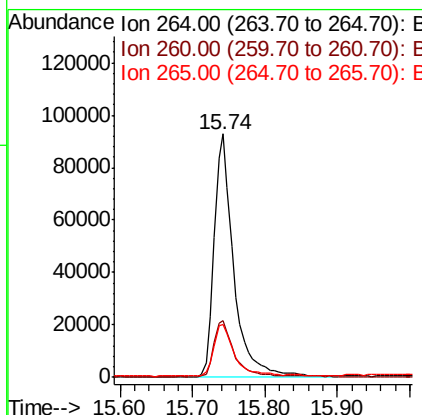
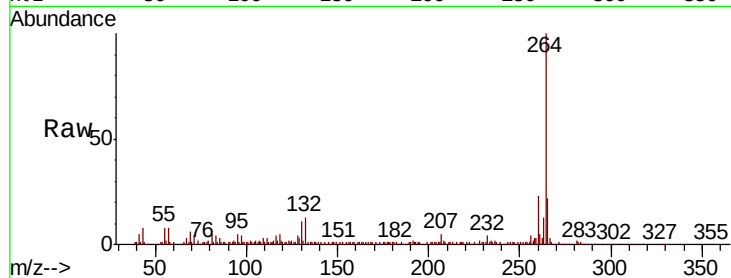


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF108740.D
Acq: 4 Sep 2018 15:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 175956

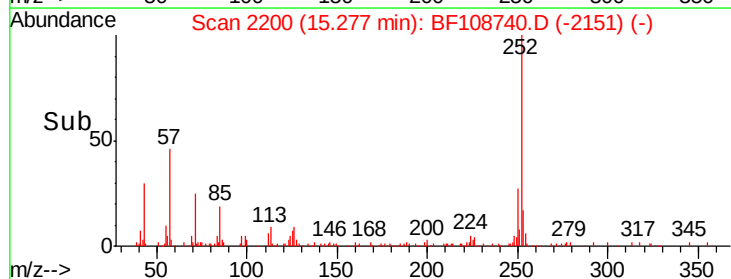
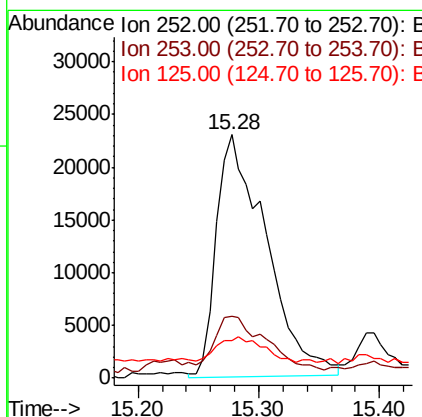
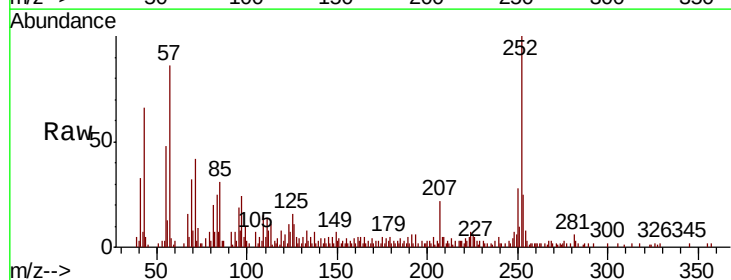
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.9	17.5	26.3

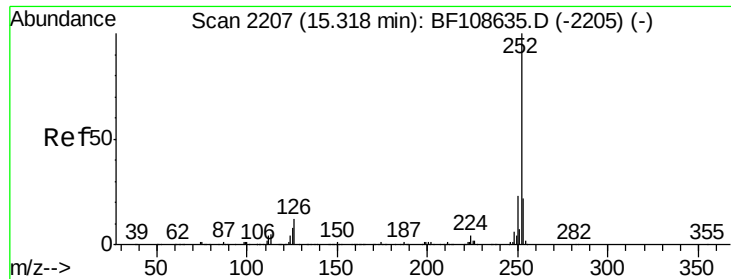


#87
Benzo(b)fluoranthene
Concen: 6.008 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108740.D
Acq: 4 Sep 2018 15:00

Tgt Ion:252 Resp: 64940

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.0	25.6
125	15.5	9.0	13.6

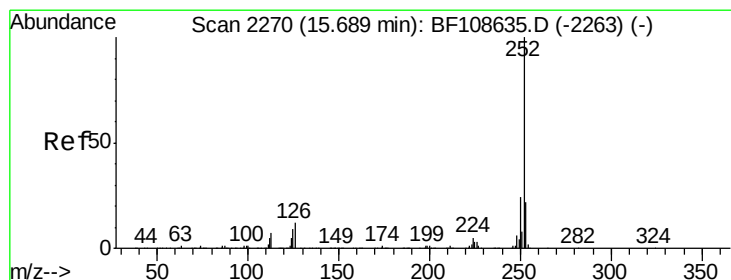
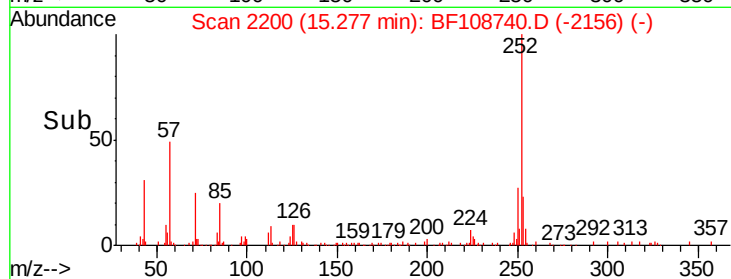
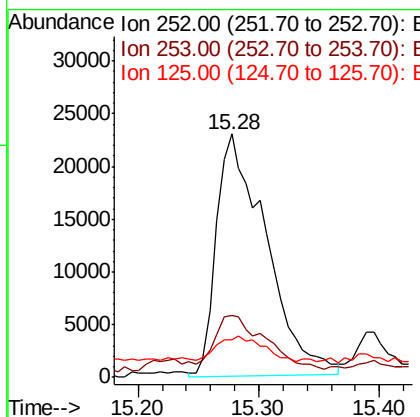
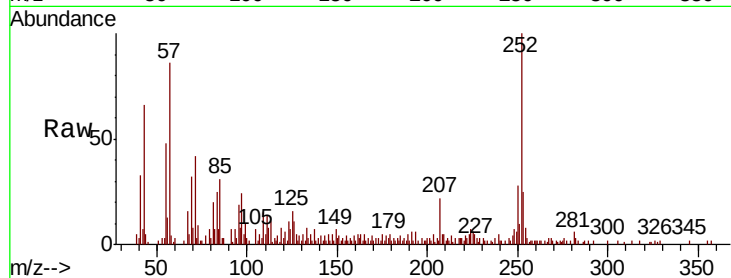




#88
Benzo(k)fluoranthene
Concen: 6.065 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF108740.D
Acq: 4 Sep 2018 15:00

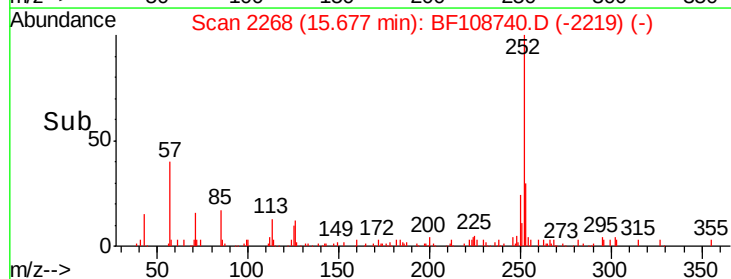
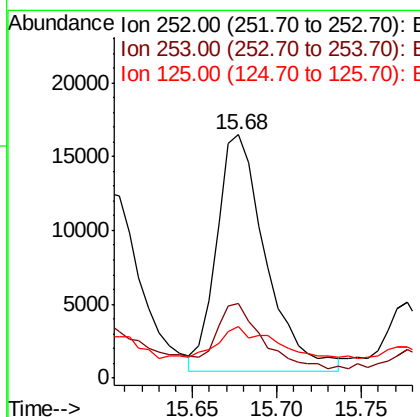
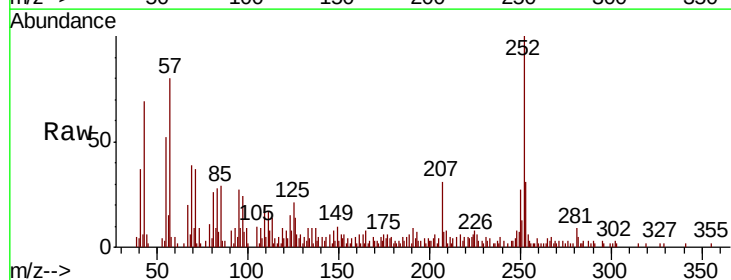
Instrument :
BNA_F
ClientSampleId :

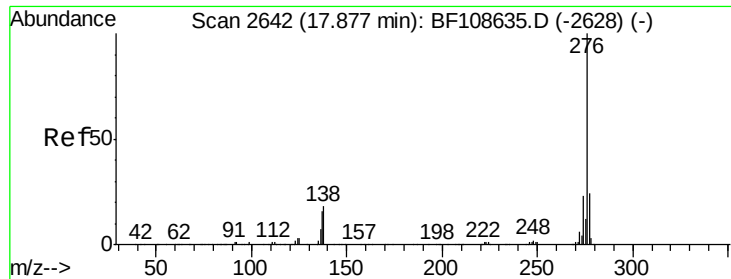
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	15.5	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 3.337 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108740.D
Acq: 4 Sep 2018 15:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.9	17.1	25.7#
125	21.2	9.8	14.6#

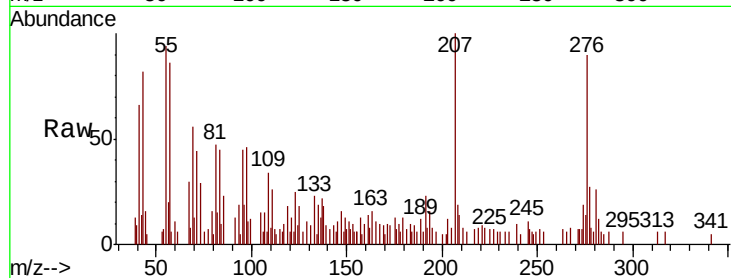




#91
 Benzo(a,h,i)perylene
 Concen: 2.447 ng
 RT: 17.85 min Scan# 2638
 Delta R.T. -0.02 min
 Lab File: BF108740.D
 Acq: 4 Sep 2018 15:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.1	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

