

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108739.D
 Acq On : 4 Sep 2018 14:33
 Operator : JU/SJ
 Sample : J4756-01 4X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 16:38:42 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	7.00	152	54980	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	232345	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	105491	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	220267	20.00	ng	-0.02
75) Chrysene-d12	14.18	240	241212	20.00	ng	-0.02
86) Perylene-d12	15.74	264	183674	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	5674	1.79	ng	0.03
7) Phenol-d6	6.65	99	15225	3.36	ng	0.00
23) Nitrobenzene-d5	7.58	82	24129	5.27	ng	0.00
41) 2,4,6-Tribromophenol	10.83	330	23241	16.69	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	110154	14.04	ng	-0.02
78) Terphenyl-d14	13.11	244	148287	11.94	ng	-0.02

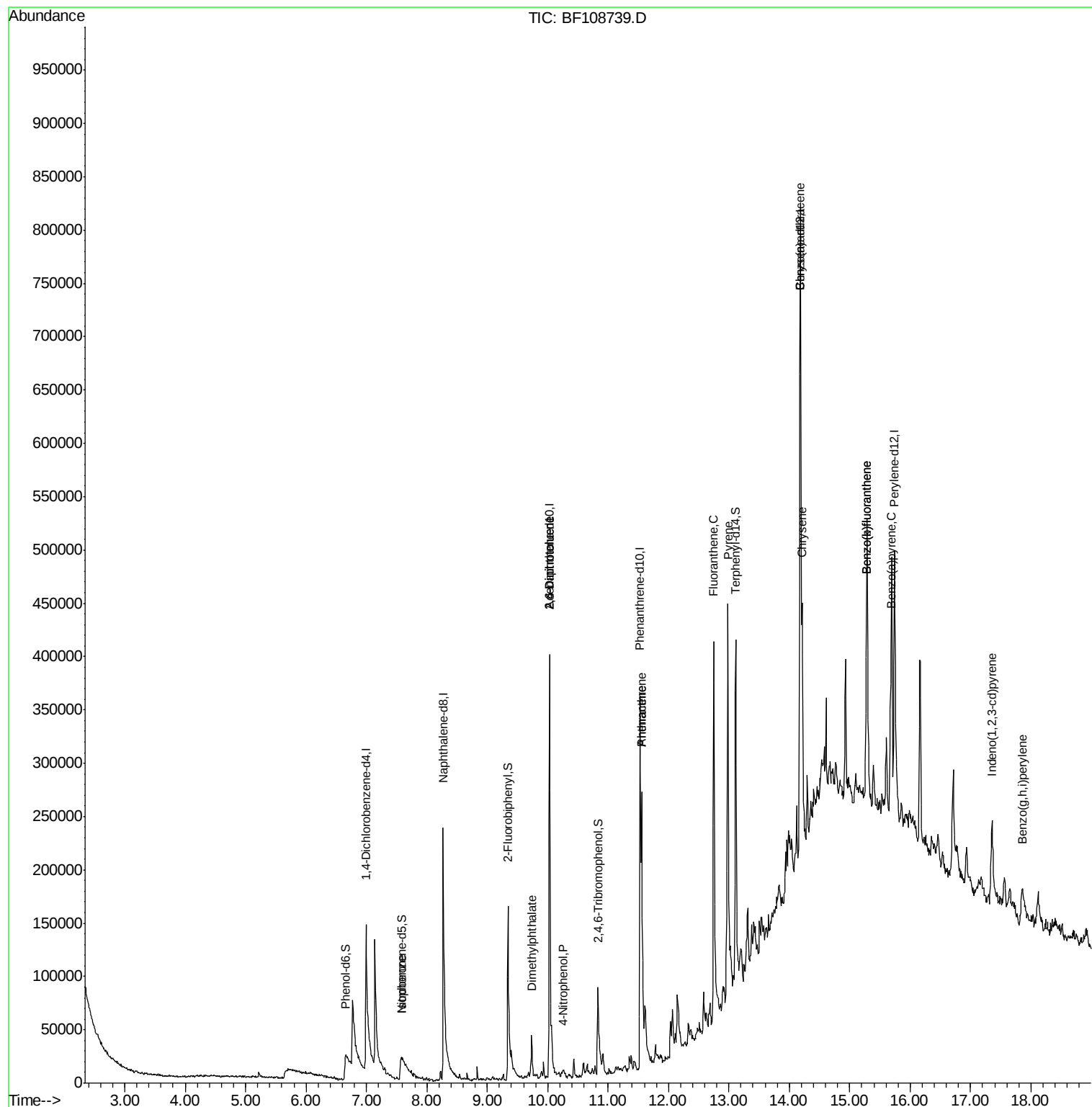
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.58	82	24129	3.173	ng	# 64
49) Dimethylphthalate	9.74	163	25811	3.107	ng	98
50) 2,6-Dinitrotoluene	10.03	165	13438	7.339	ng	# 24
55) 4-Nitrophenol	10.25	139	2305	6.475	ng	# 9
56) 2,4-Dinitrotoluene	10.03	165	13833	5.706	ng	# 21
70) Phenanthrene	11.55	178	118324	10.643	ng	98
71) Anthracene	11.55	178	118324	10.129	ng	99
74) Fluoranthene	12.75	202	230725	18.436	ng	95
77) Pyrene	12.98	202	223978	12.352	ng	98
80) Benzo(a)anthracene	14.18	228	113135	7.694	ng	97
82) Chrysene	14.21	228	103593	7.326	ng	97
85) Indeno(1,2,3-cd)pyrene	17.36	276	34207	3.479	ng	# 86
87) Benzo(b)fluoranthene	15.27	252	137981	12.229	ng	96
88) Benzo(k)fluoranthene	15.27	252	137981	12.345	ng	97
89) Benzo(a)pyrene	15.68	252	74840	7.340	ng	96
91) Benzo(g,h,i)perylene	17.85	276	39125	4.943	ng	# 84

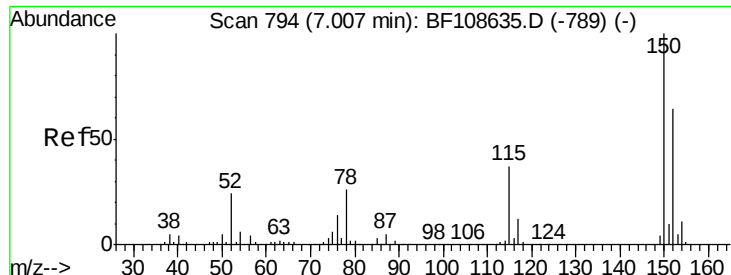
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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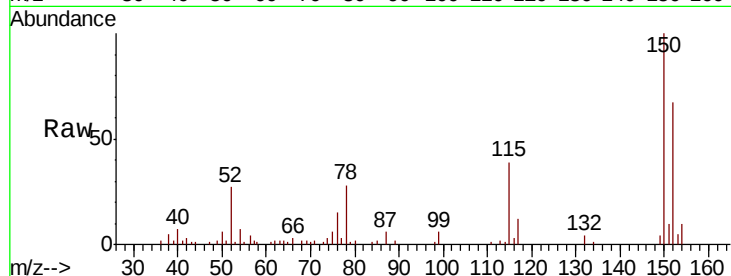


#1

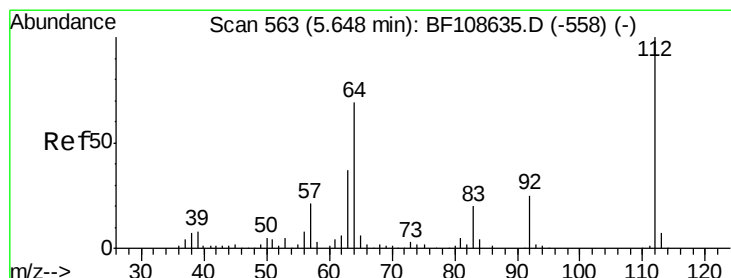
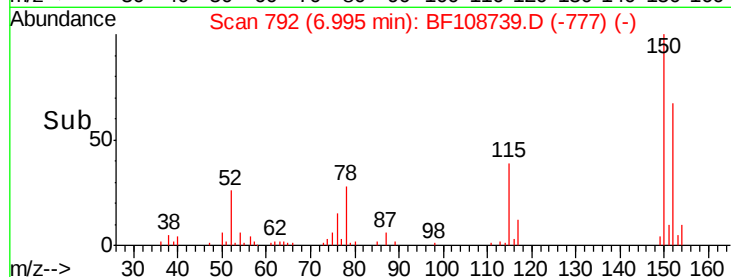
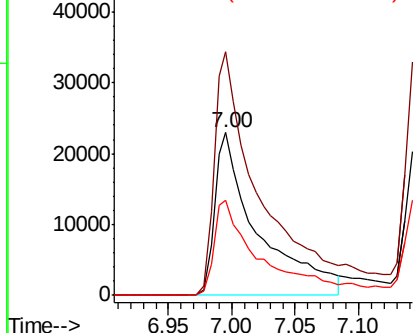
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 54980
Ion Ratio Lower Upper
152 100
150 149.6 124.6 186.8
115 58.3 50.1 75.1



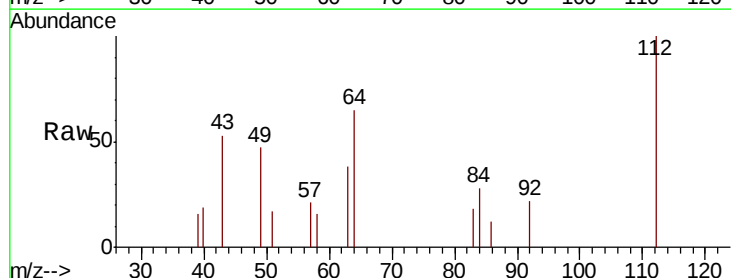
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



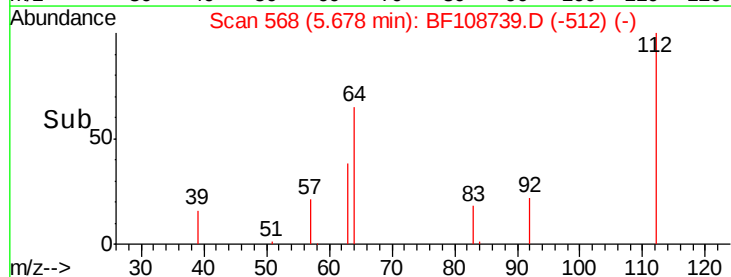
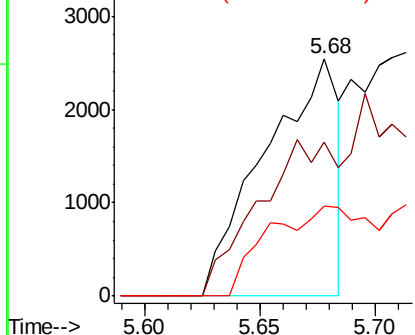
#5

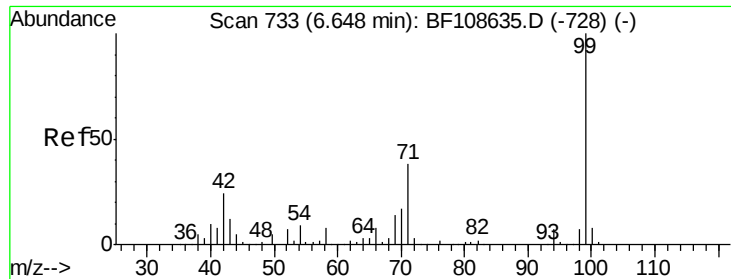
2-Fluorophenol
Concen: 1.793 ng
RT: 5.68 min Scan# 568
Delta R.T. 0.03 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

Tgt Ion:112 Resp: 5674
Ion Ratio Lower Upper
112 100
64 64.7 47.9 71.9
63 38.1 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 3.359 ng

RT: 6.65 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF108739.D

Acq: 4 Sep 2018 14:33

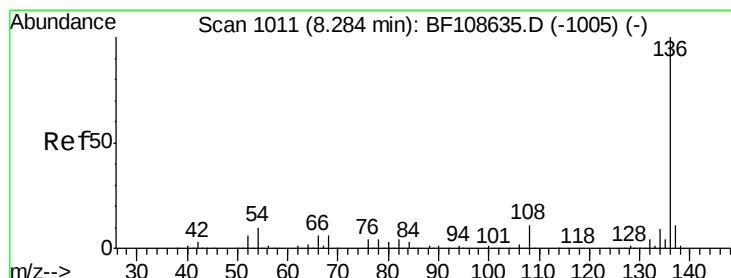
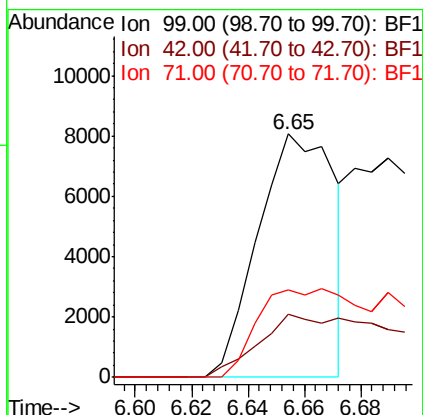
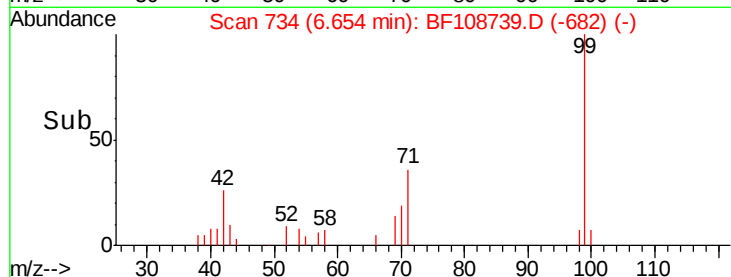
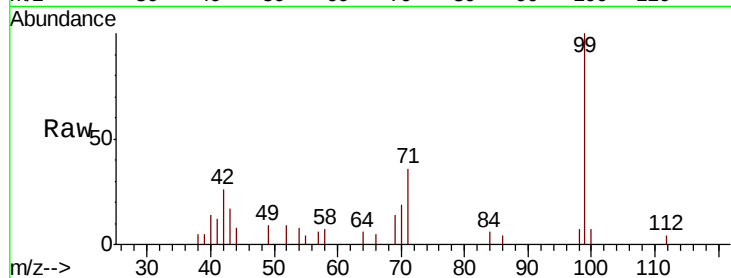
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 15225

Ion	Ratio	Lower	Upper
99	100		
42	26.2	14.5	21.7#
71	35.8	25.4	38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.27 min Scan# 1009

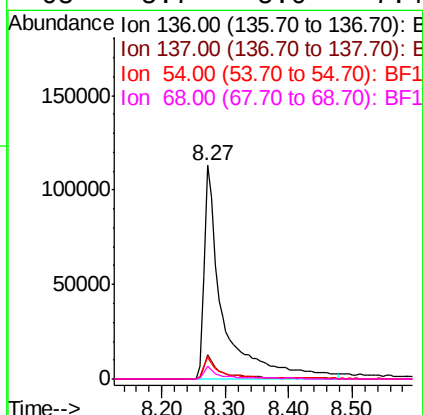
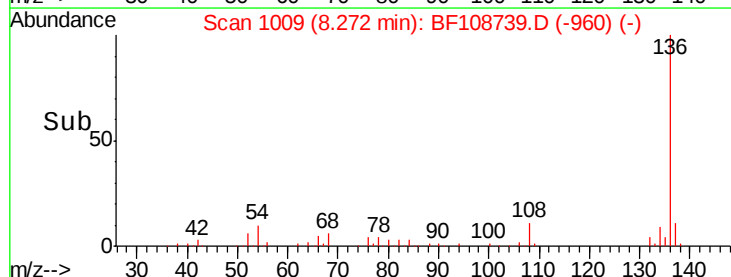
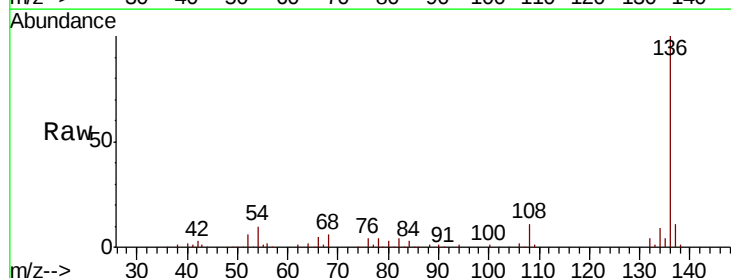
Delta R.T. -0.01 min

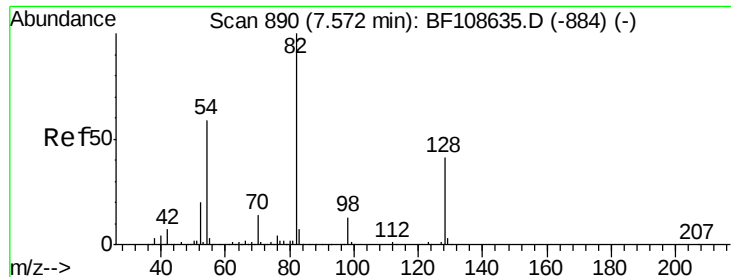
Lab File: BF108739.D

Acq: 4 Sep 2018 14:33

Tgt Ion: 136 Resp: 232345

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	10.0	6.6	9.8#
68	5.7	5.0	7.4

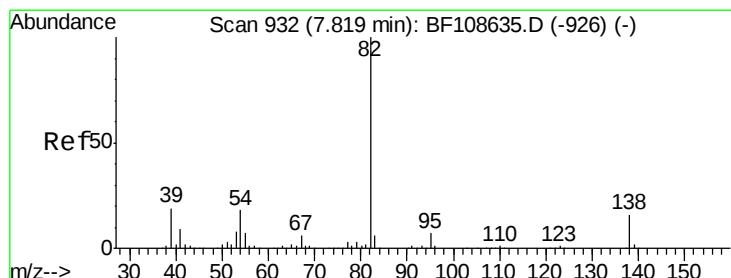
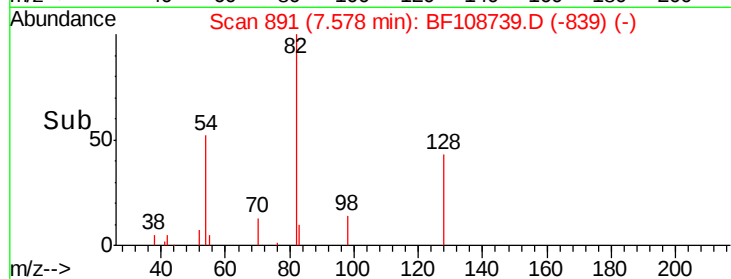
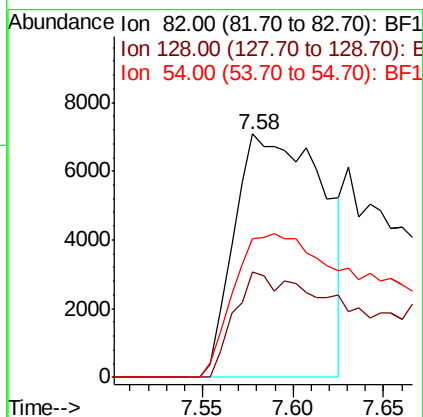
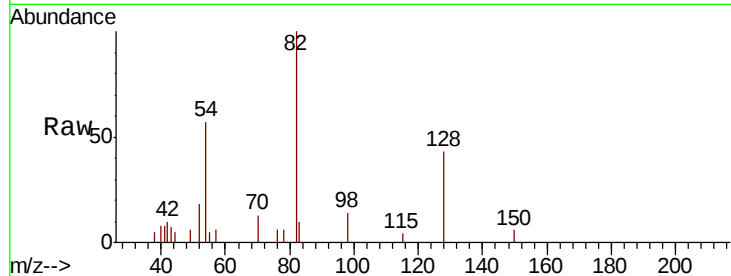




#23
Nitrobenzene-d5
Concen: 5.271 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.01 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

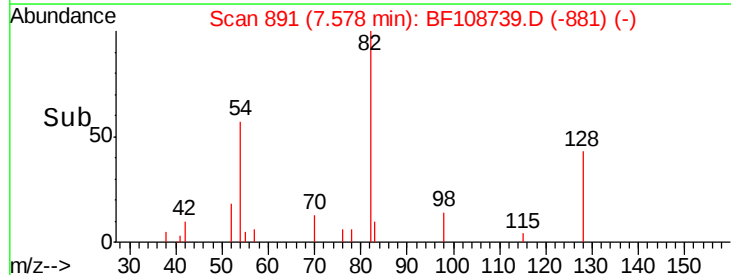
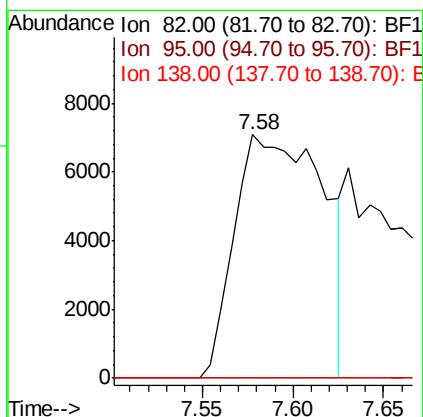
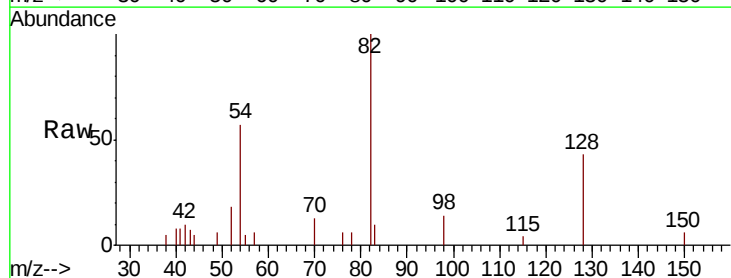
Instrument :
BNA_F
ClientSampled :

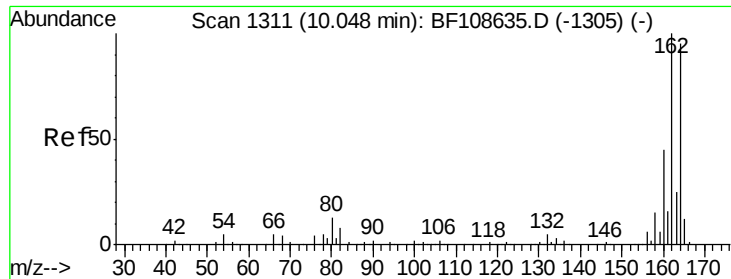
Tot Ion	82	Resp	24129
Ion Ratio	Lower	Upper	
82	100		
128	43.2	36.1	54.1
54	57.0	41.4	62.2



#25
Isophorone
Concen: 3.173 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.24 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

Tgt Ion	82	Resp	24129
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF108739.D

Acq: 4 Sep 2018 14:33

Instrument :

BNA_F

ClientSampled :

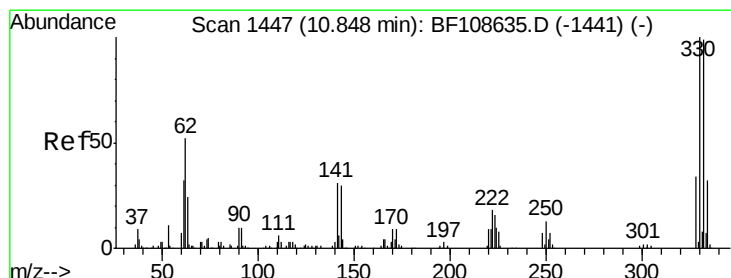
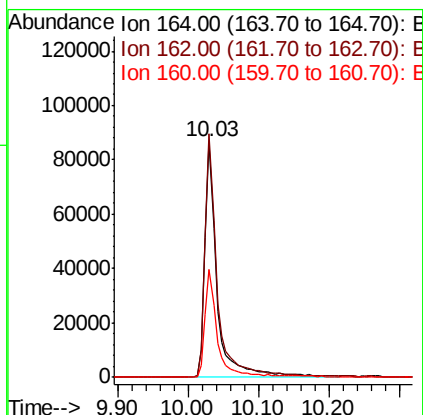
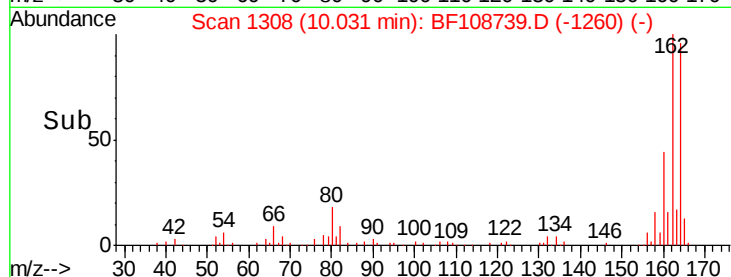
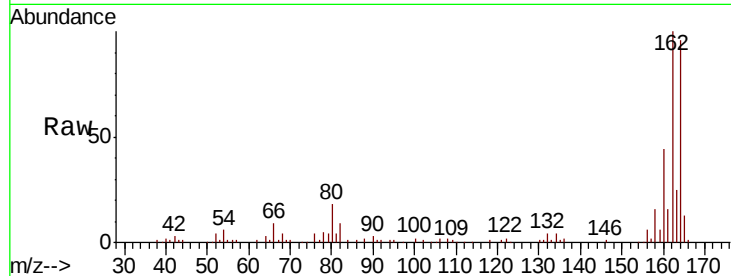
Tot Ion:164 Resp: 105491

Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

160 45.8 38.3 57.5



#41

2,4,6-Tribromophenol

Concen: 16.689 ng

RT: 10.83 min Scan# 1444

Delta R.T. -0.02 min

Lab File: BF108739.D

Acq: 4 Sep 2018 14:33

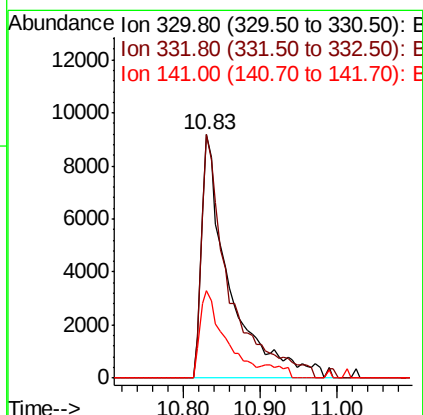
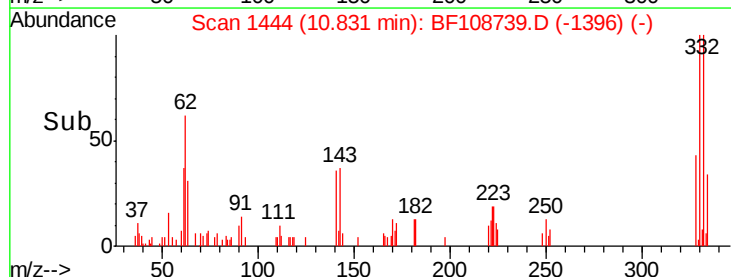
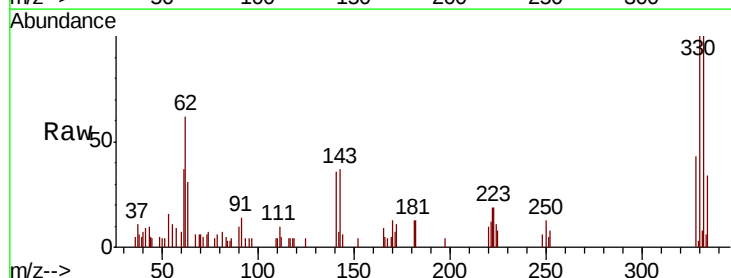
Tgt Ion:330 Resp: 23241

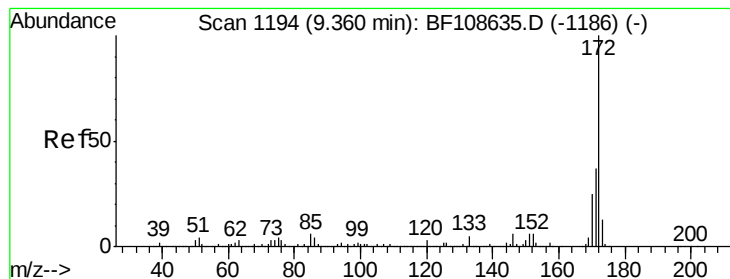
Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

141 31.8 29.9 44.9

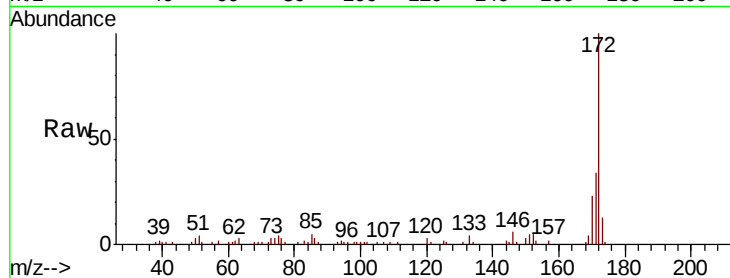




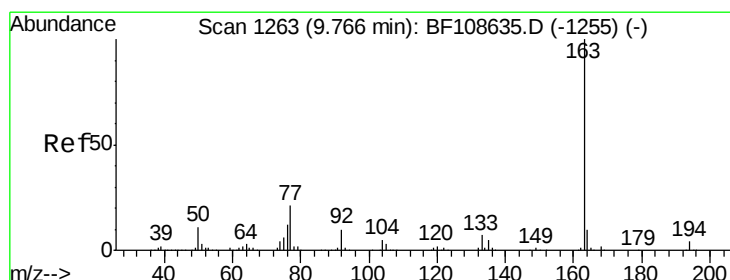
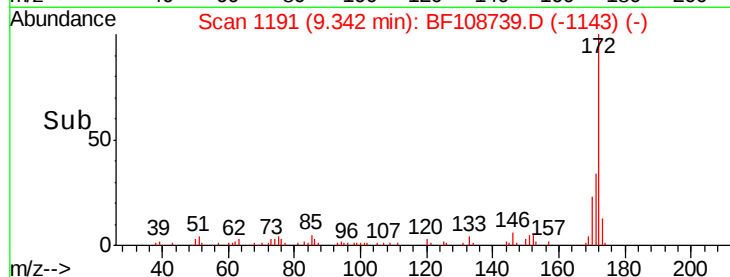
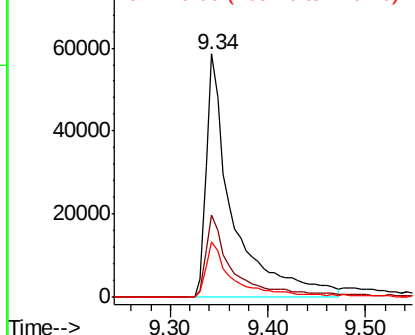
#44
 2-Fluorobiphenyl
 Concen: 14.040 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF108739.D
 Acq: 4 Sep 2018 14:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 110154
 Ion Ratio Lower Upper
 172 100
 171 33.9 29.7 44.5
 170 22.7 19.6 29.4

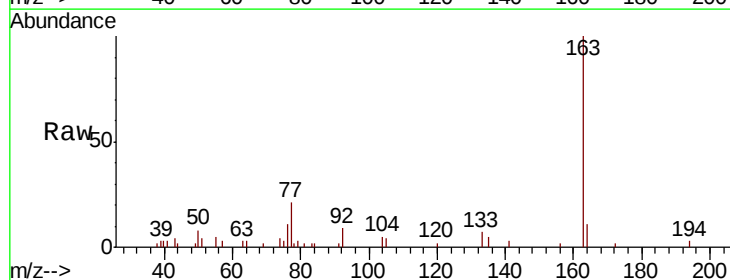


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

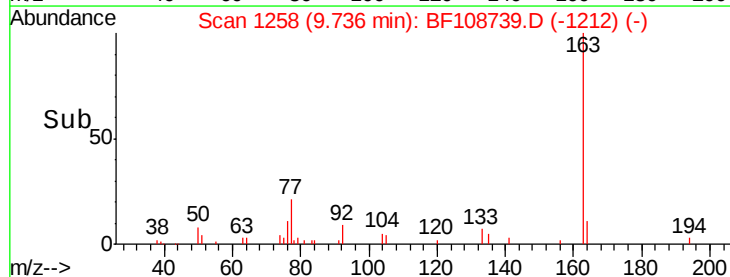
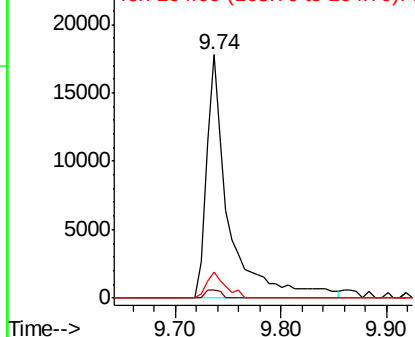


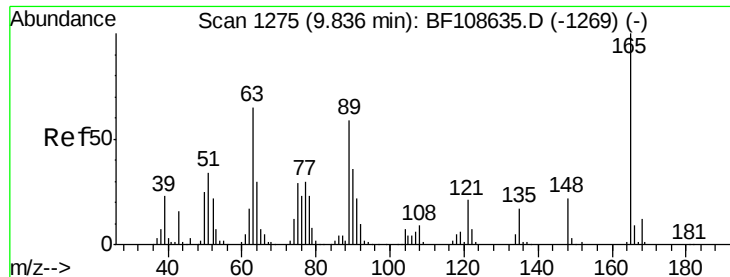
#49
 Dimethylphthalate
 Concen: 3.107 ng
 RT: 9.74 min Scan# 1258
 Delta R.T. -0.03 min
 Lab File: BF108739.D
 Acq: 4 Sep 2018 14:33

Tgt Ion:163 Resp: 25811
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.7 4.1
 164 10.9 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: 7.339 ng

RT: 10.03 min Scan# 1308

Delta R.T. 0.19 min

Lab File: BF108739.D

Acq: 4 Sep 2018 14:33

Instrument :

BNA_F

ClientSampleId :

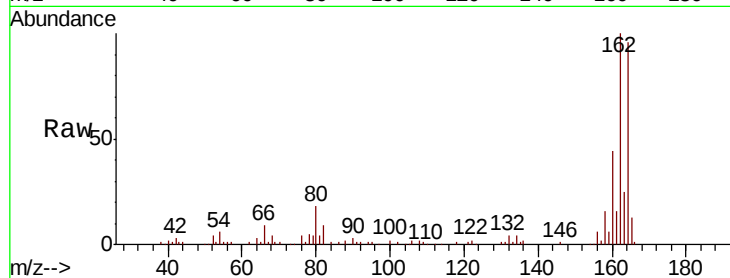
Tot Ion:165 Resp: 13438

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

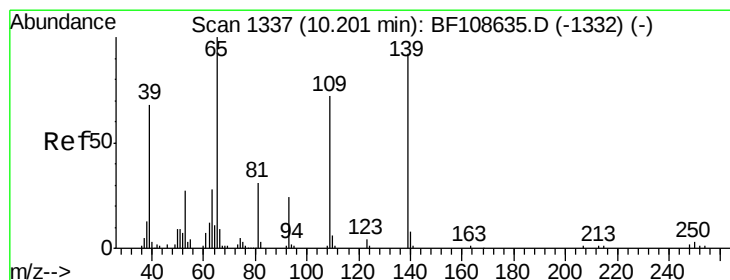
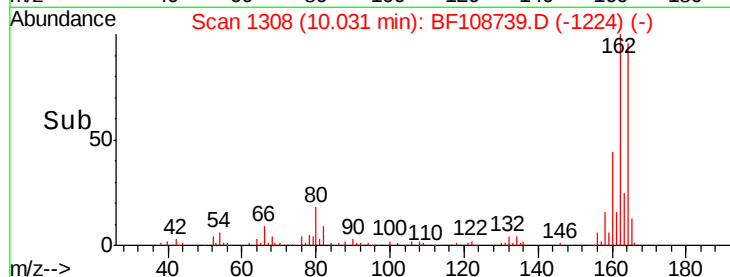
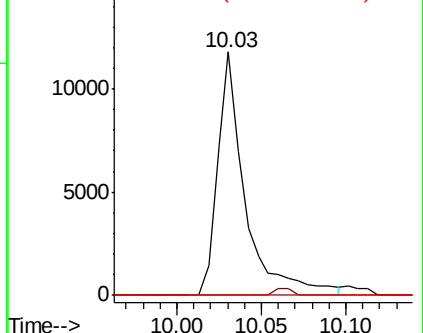
89 0.0 44.0 66.0#



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: 6.475 ng

RT: 10.25 min Scan# 1345

Delta R.T. 0.05 min

Lab File: BF108739.D

Acq: 4 Sep 2018 14:33

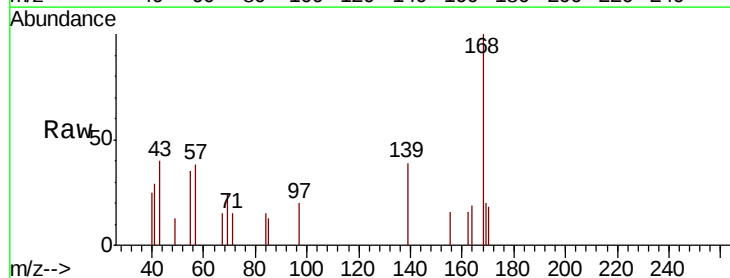
Tgt Ion:139 Resp: 2305

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

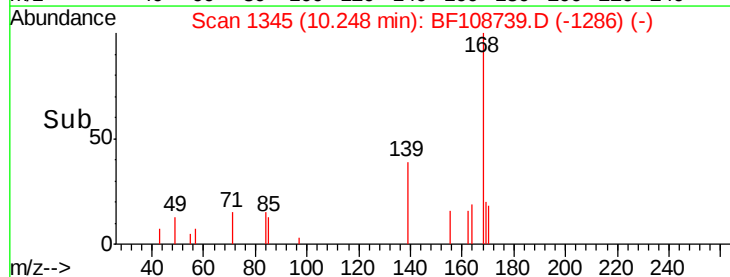
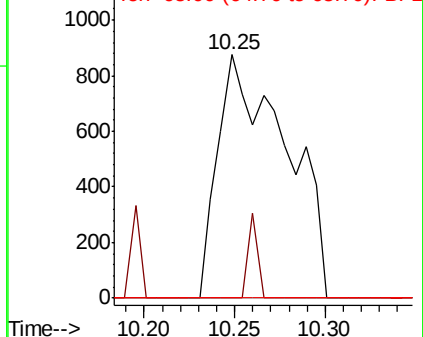
65 0.0 72.6 112.6#

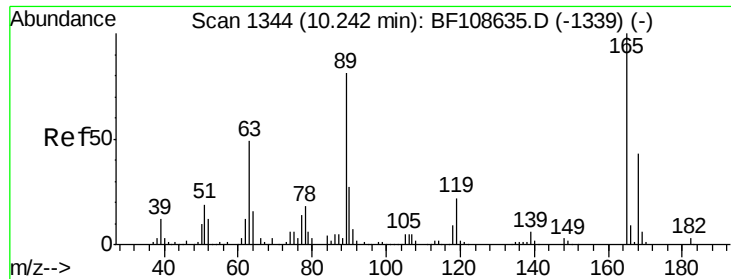


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

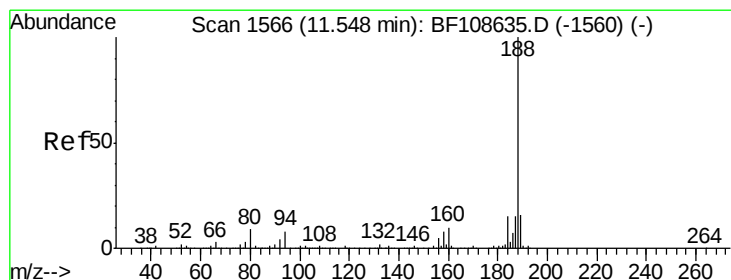
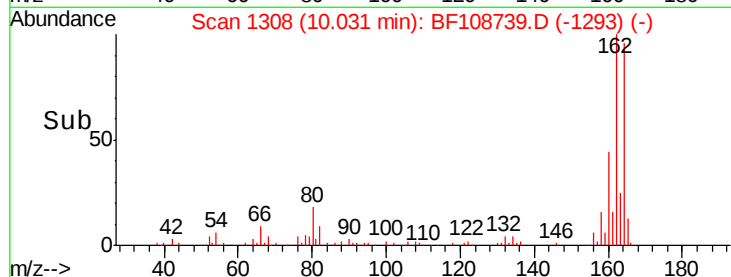
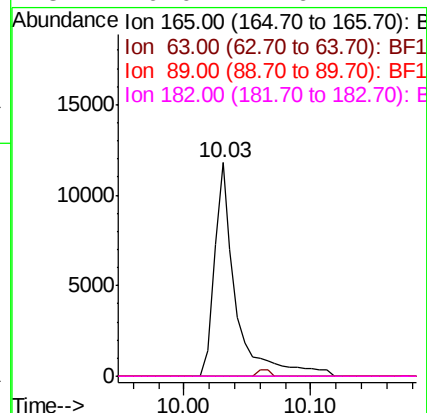
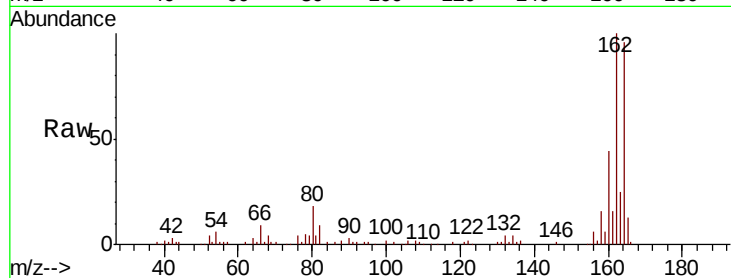




#56
2,4-Dinitrotoluene
Concen: 5.706 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.21 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

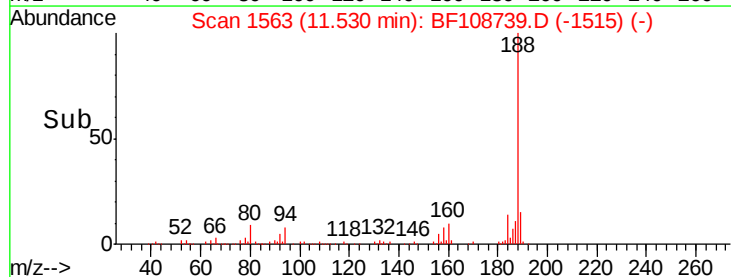
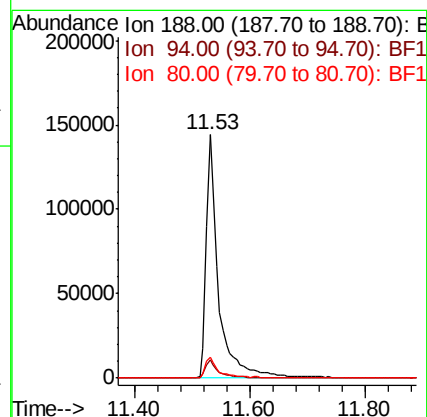
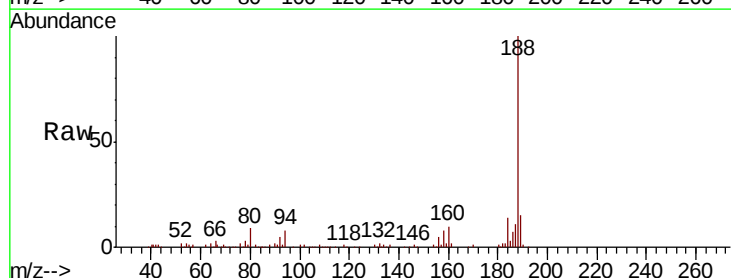
Instrument :
BNA_F
ClientSampleId :

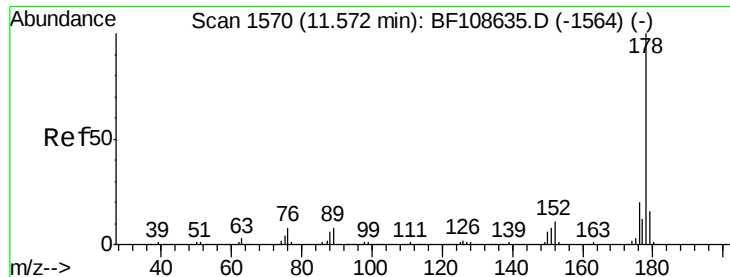
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	8.5	12.7#
80	8.7	9.2	13.8#

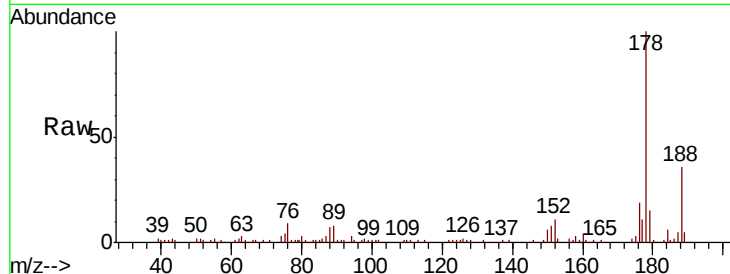




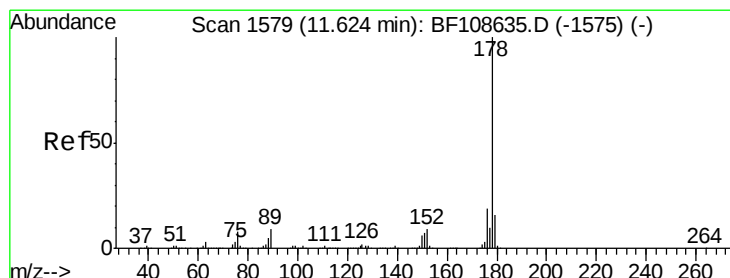
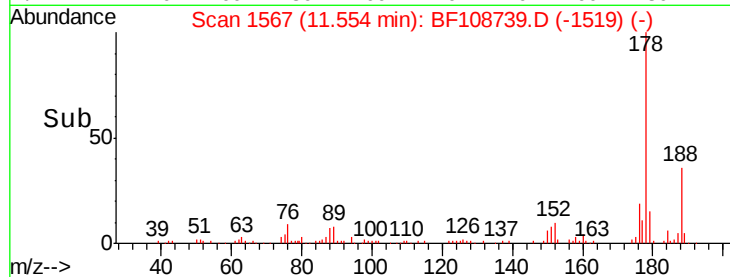
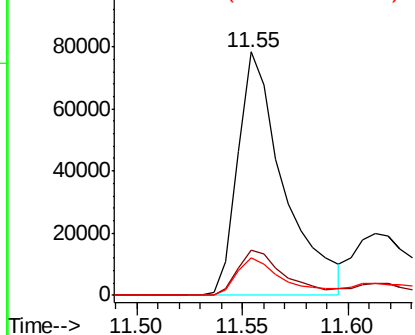
#70
Phenanthrene
Concen: 10.643 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 118324
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.2 13.0 19.6

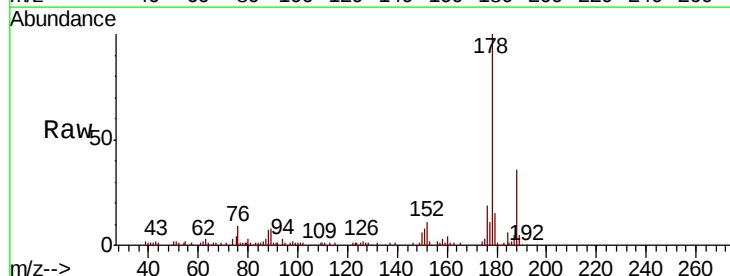


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

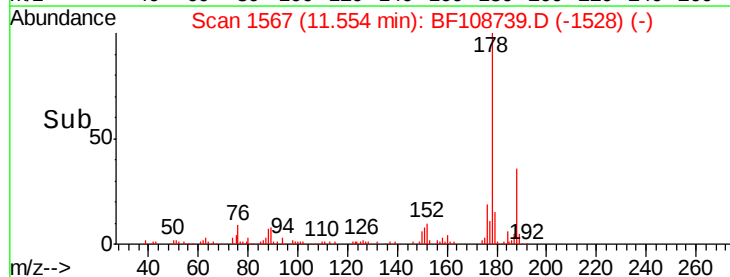
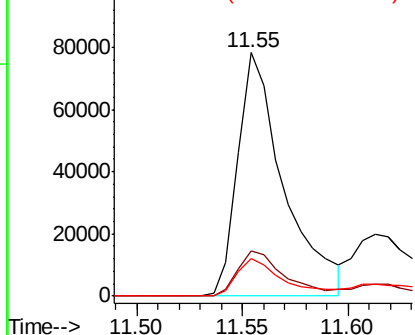


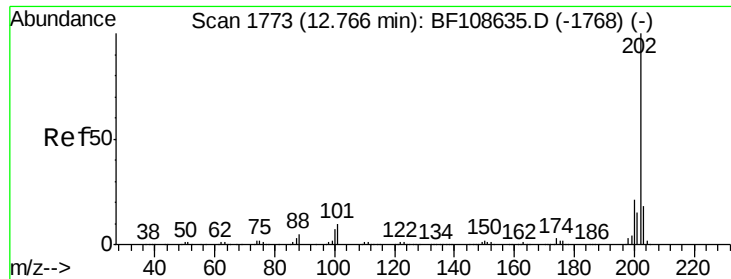
#71
Anthracene
Concen: 10.129 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.07 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

Tgt Ion:178 Resp: 118324
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.2 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

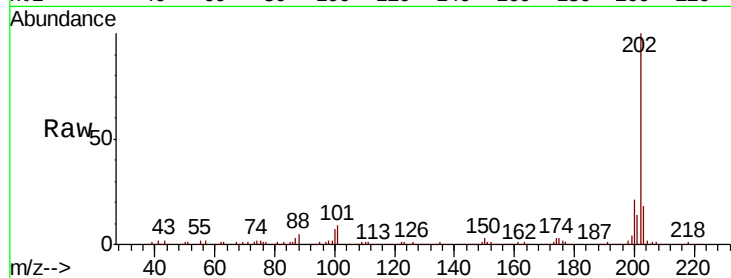




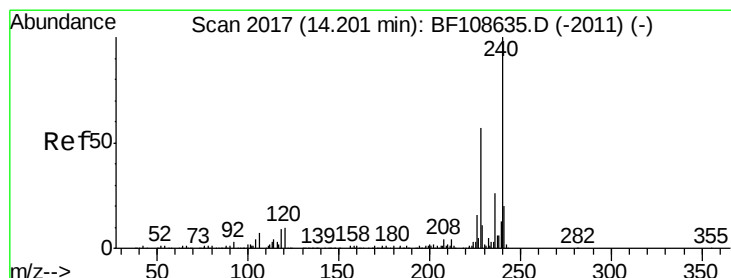
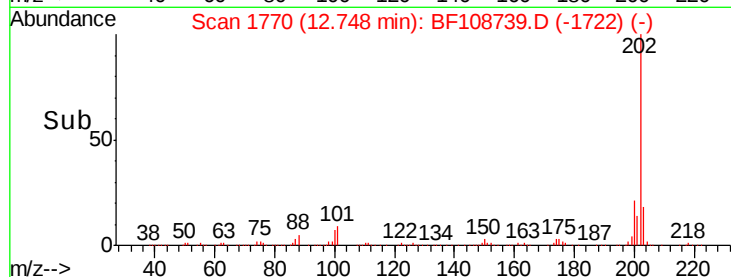
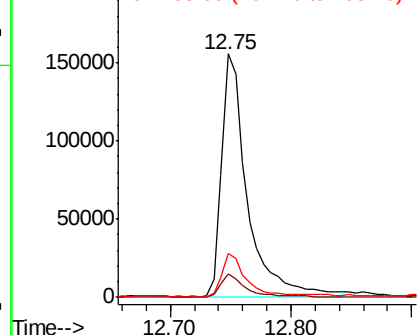
#74
Fluoranthene
Concen: 18.436 ng
RT: 12.75 min Scan# 1770
Delta R.T. -0.02 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	34.1
203	18.3	0.0	38.1

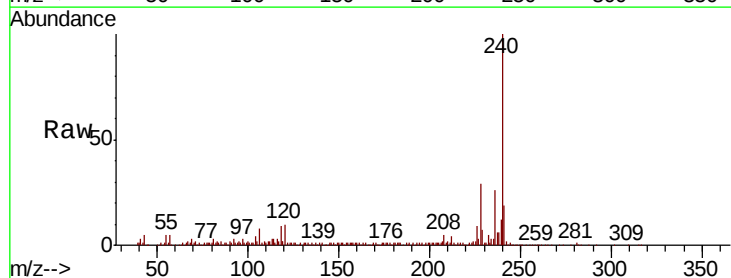


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

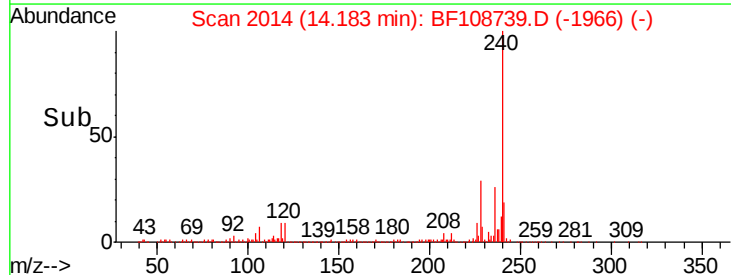
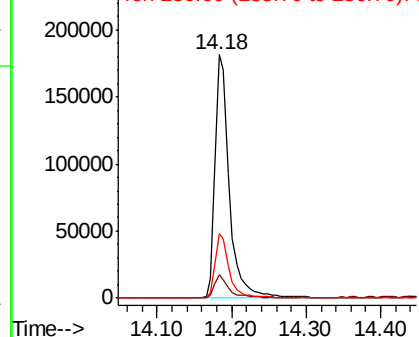


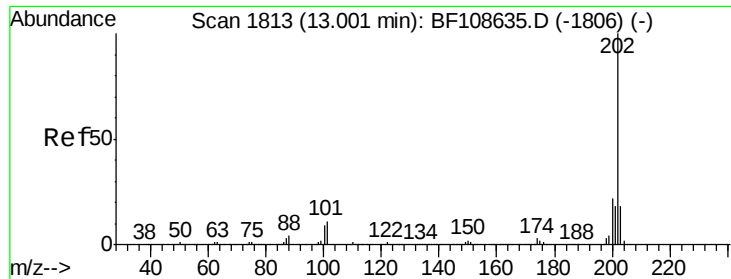
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.02 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.7	9.5	14.3
236	26.3	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

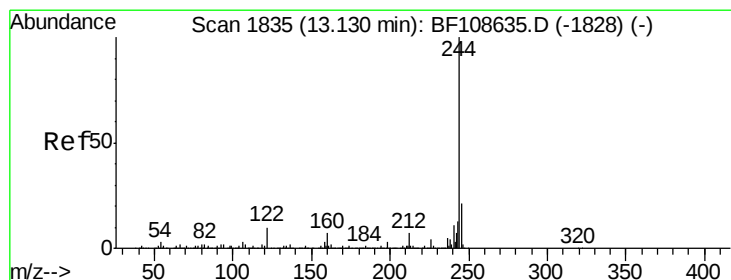
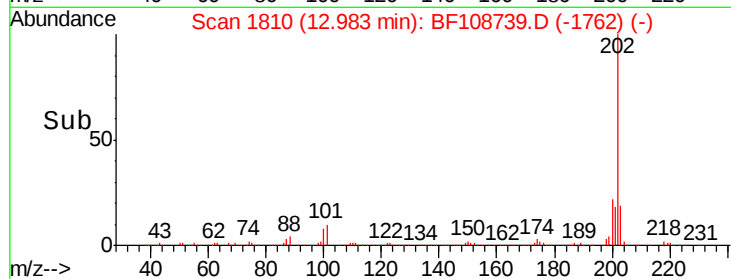
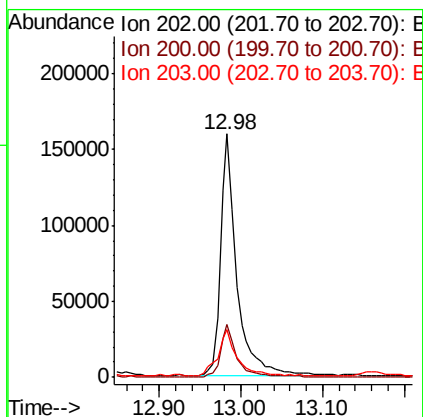
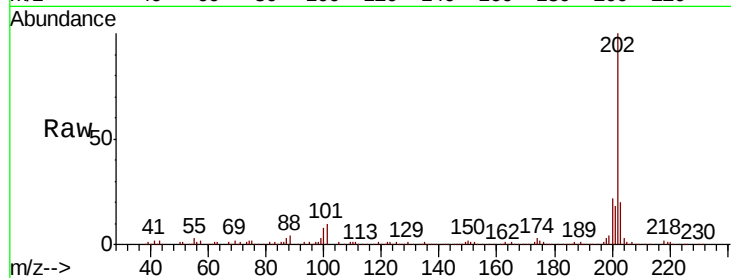




#77
Pvrene
Concen: 12.352 ng
RT: 12.98 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

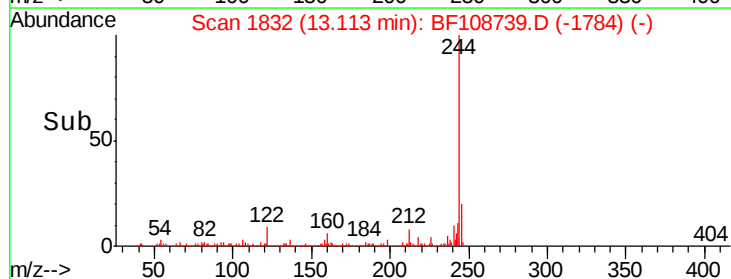
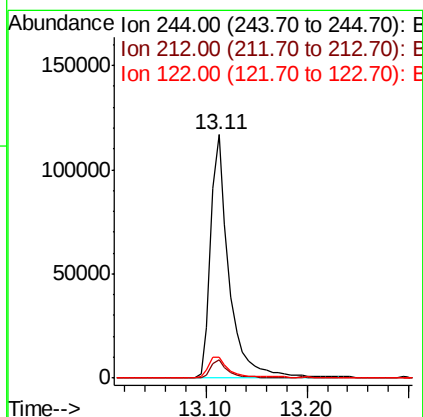
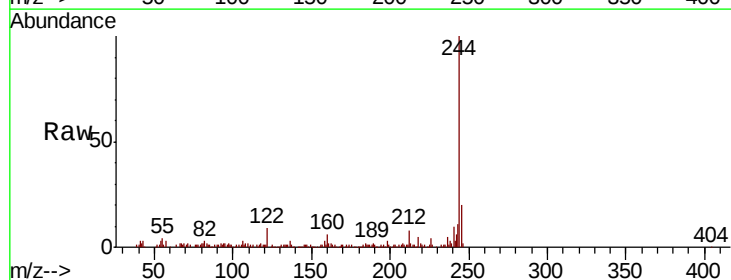
Instrument :
BNA_F
ClientSampleId :

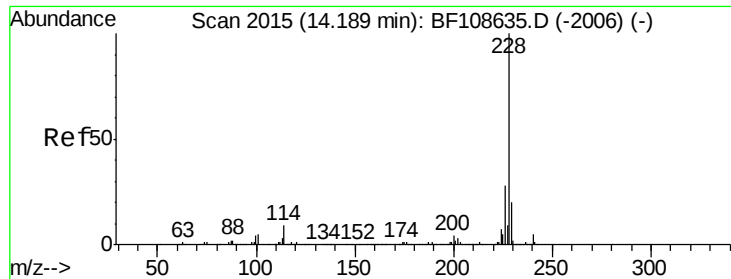
Tot Ion:202 Resp: 223978
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 19.6 14.3 21.5



#78
Terphenyl-d14
Concen: 11.944 ng
RT: 13.11 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

Tgt Ion:244 Resp: 148287
Ion Ratio Lower Upper
244 100
212 7.7 5.4 8.0
122 8.8 11.0 16.4#

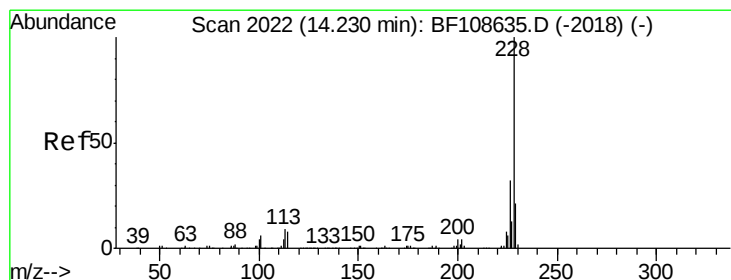
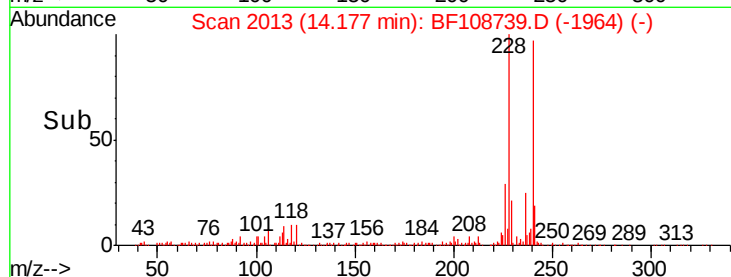
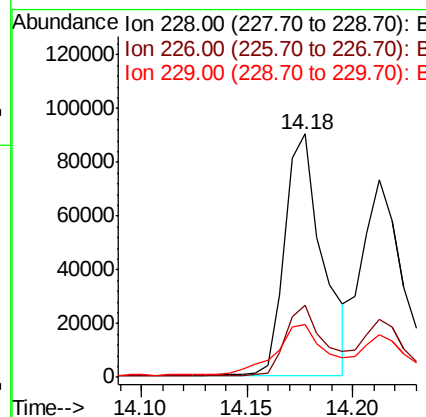
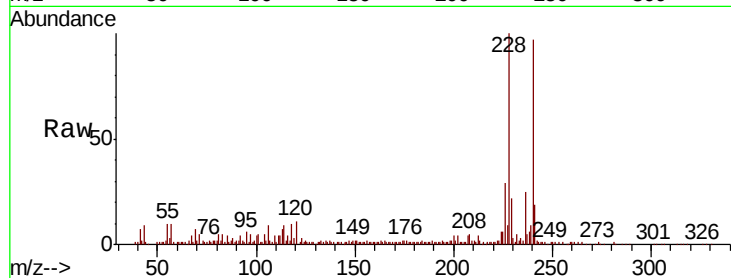




#80
Benzo(a)anthracene
Concen: 7.694 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

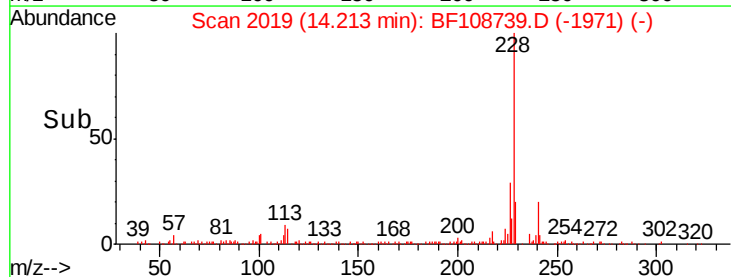
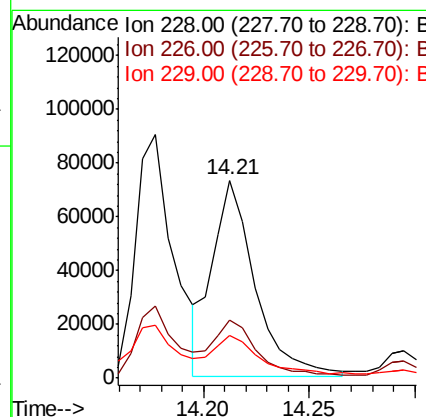
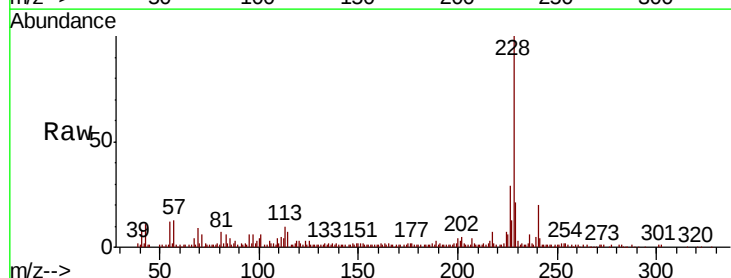
Instrument :
BNA_F
ClientSampleId :

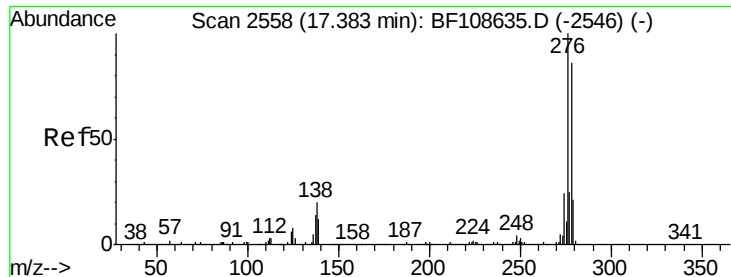
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	21.7	15.8	23.6



#82
Chrysene
Concen: 7.326 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	21.4	16.2	24.4

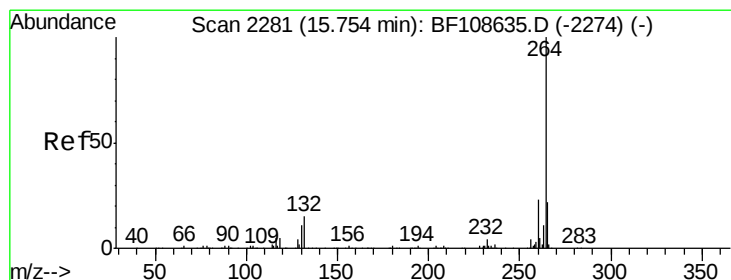
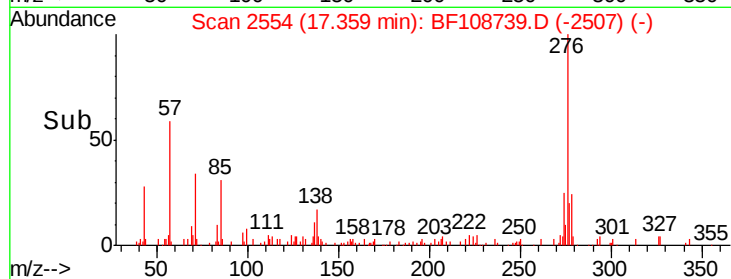
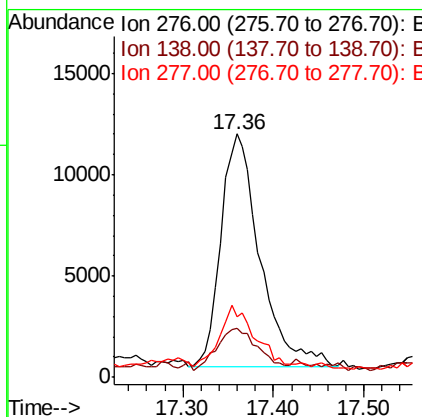
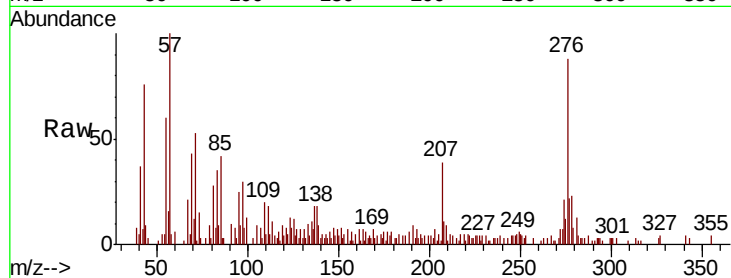




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.479 ng
 RT: 17.36 min Scan# 2554
 Delta R.T. -0.02 min
 Lab File: BF108739.D
 Acq: 4 Sep 2018 14:33

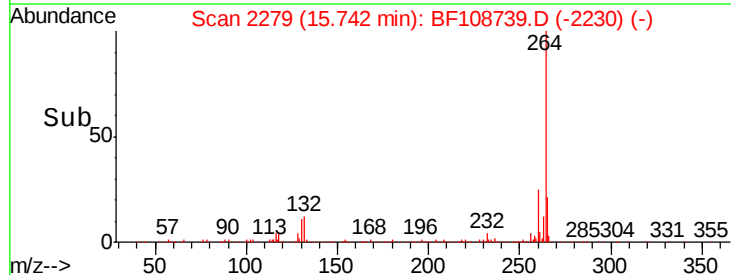
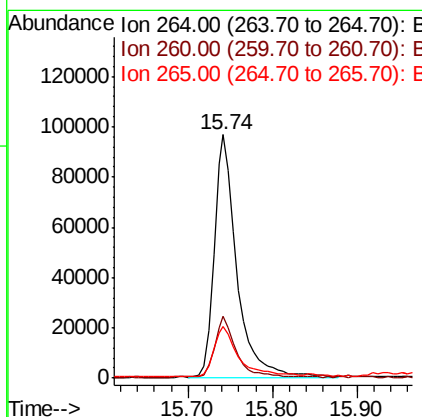
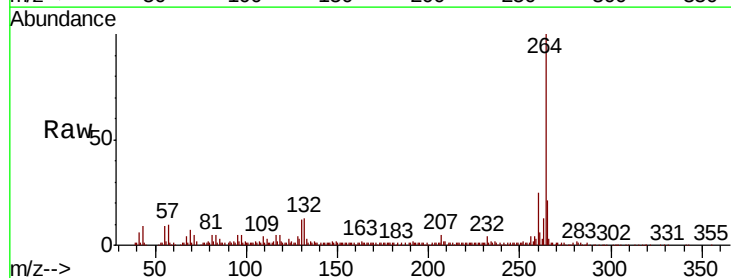
Instrument :
 BNA_F
 ClientSampleId :

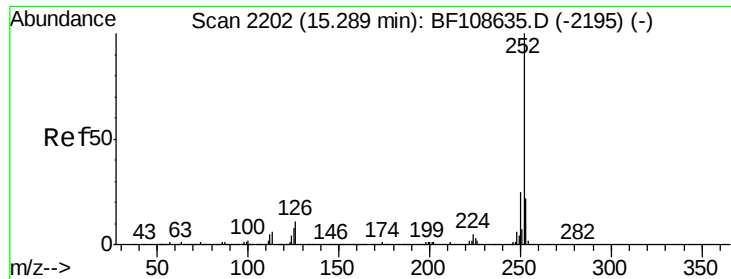
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.9	25.0	37.6#
277	23.4	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.74 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: BF108739.D
 Acq: 4 Sep 2018 14:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	21.4	17.5	26.3

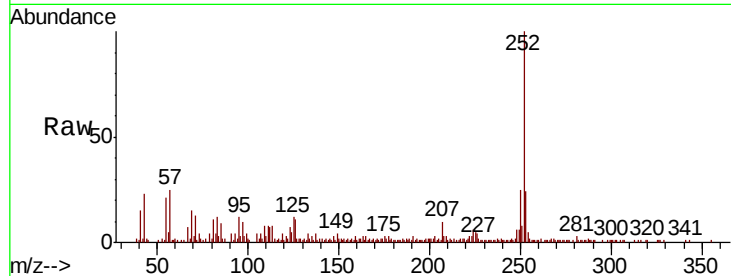




#87
Benzo(b)fluoranthene
Concen: 12.229 ng
RT: 15.27 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	11.6	9.0	13.6

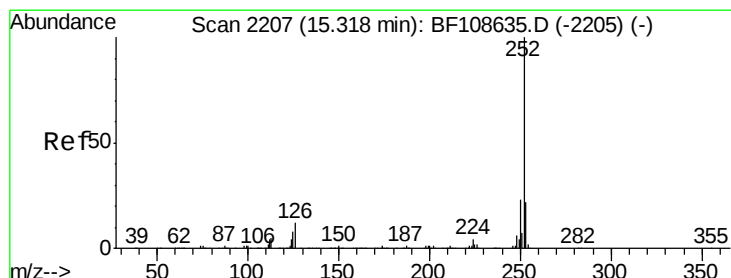
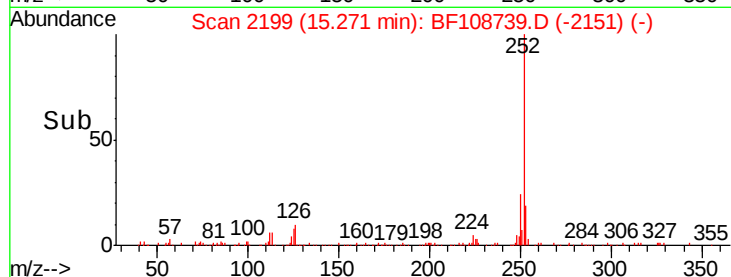
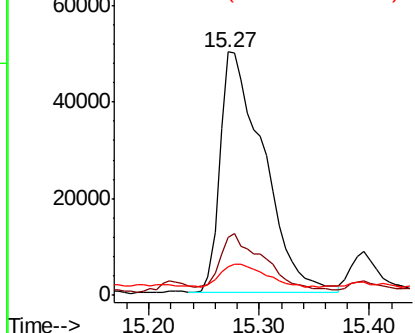


Abundance

Ion 252.00 (251.70 to 252.70): E

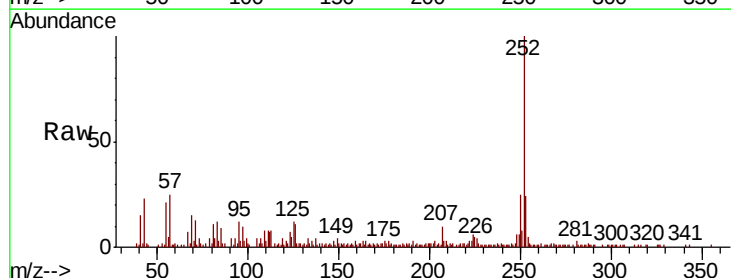
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 12.345 ng
RT: 15.27 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	11.6	10.2	15.2

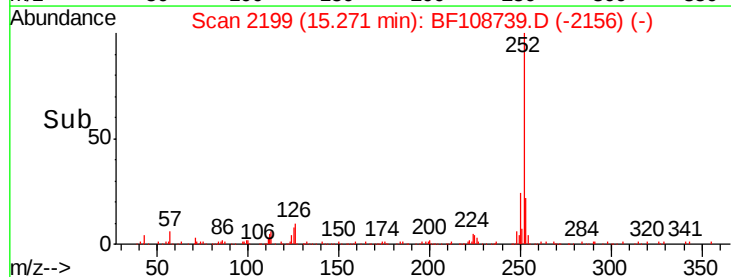
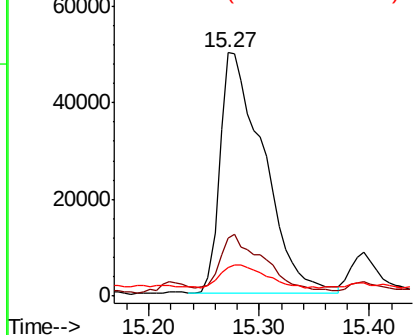


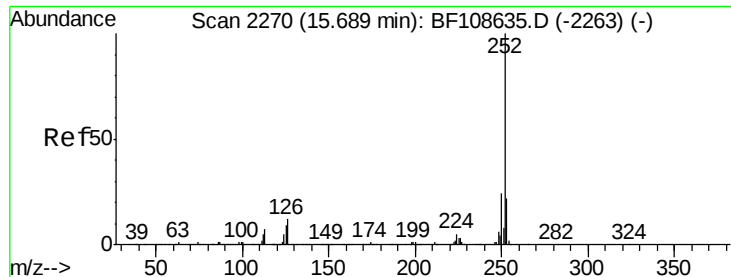
Abundance

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

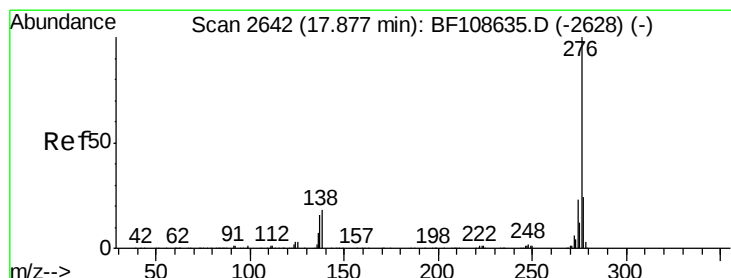
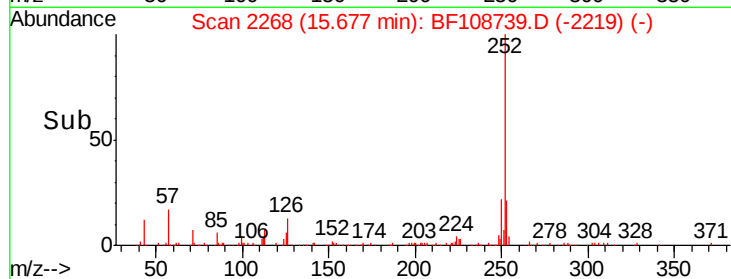
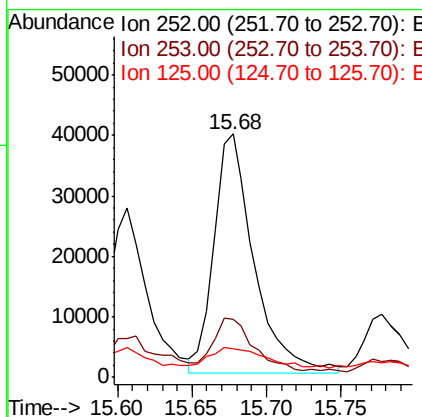
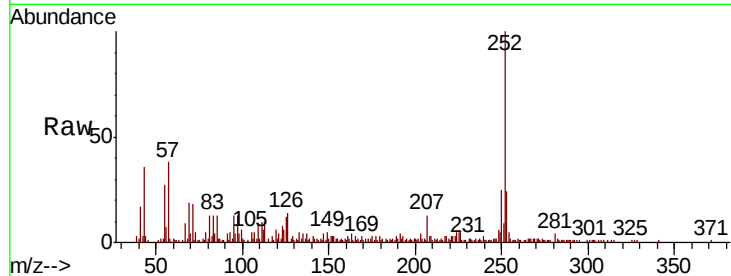




#89
Benzo(a)pyrene
Concen: 7.340 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 74840
Ion Ratio Lower Upper
252 100
253 24.0 17.1 25.7
125 11.9 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 4.943 ng
RT: 17.85 min Scan# 2638
Delta R.T. -0.02 min
Lab File: BF108739.D
Acq: 4 Sep 2018 14:33

Tgt Ion:276 Resp: 39125
Ion Ratio Lower Upper
276 100
277 28.6 17.9 26.9#
138 17.7 21.8 32.8#

