

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
 Data File : BF108700.D
 Acq On : 31 Aug 2018 20:17
 Operator : JU/SJ
 Sample : J4712-12 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 01 03:48:43 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	62980	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	294329	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	121650	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	227172	20.00	ng	0.00
75) Chrysene-d12	14.19	240	224328	20.00	ng	0.00
86) Perylene-d12	15.75	264	153897	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.77	112	11381	3.14	ng	0.12
7) Phenol-d6	6.70	99	21552	4.15	ng	0.05
23) Nitrobenzene-d5	7.60	82	54263	9.36	ng	0.02
41) 2,4,6-Tribromophenol	10.84	330	18106	11.27	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	104754	11.58	ng	0.00
78) Terphenyl-d14	13.12	244	111285	9.64	ng	-0.01

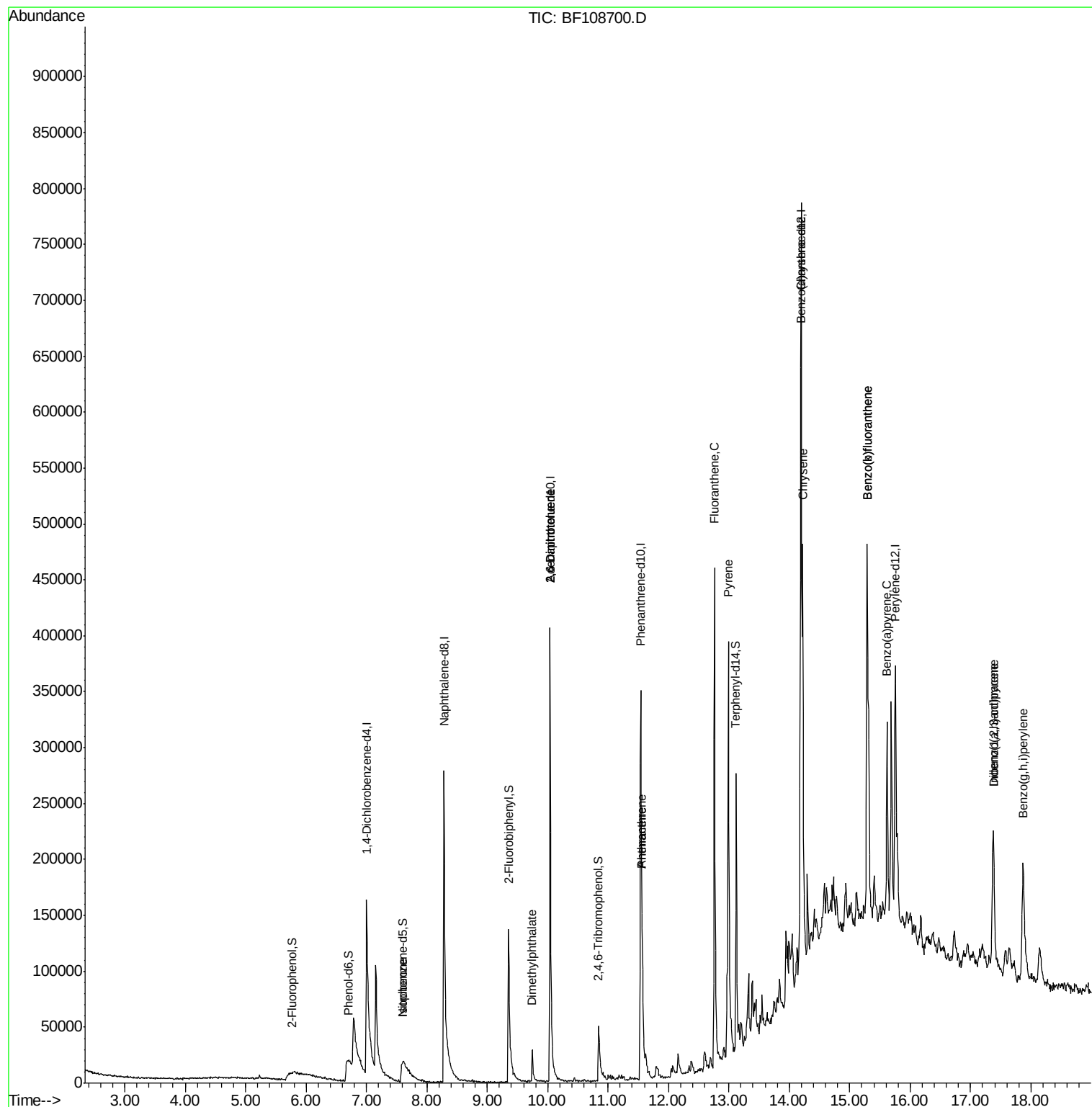
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.60	82	54263	5.633	ng	# 64
49) Dimethylphthalate	9.74	163	26433	2.759	ng	100
50) 2,6-Dinitrotoluene	10.04	165	14726	6.974	ng	# 24
56) 2,4-Dinitrotoluene	10.04	165	14726	5.267	ng	# 21
70) Phenanthrene	11.57	178	44986	3.923	ng	97
71) Anthracene	11.57	178	44986	3.734	ng	99
74) Fluoranthene	12.76	202	274156	21.241	ng	93
77) Pyrene	12.99	202	226311	13.420	ng	99
80) Benzo(a)anthracene	14.18	228	160400	11.729	ng	97
82) Chrysene	14.22	228	172283	13.100	ng	98
85) Indeno(1,2,3-cd)pyrene	17.38	276	109311	11.954	ng	# 82
87) Benzo(b)fluoranthene	15.29	252	317322	33.566	ng	96
88) Benzo(k)fluoranthene	15.29	252	317322	33.883	ng	# 96
89) Benzo(a)pyrene	15.62	252	119902	14.034	ng	96
90) Dibenzo(a,h)anthracene	17.38	278	19440	2.849	ng	# 73
91) Benzo(g,h,i)perylene	17.87	276	121104	18.261	ng	# 87

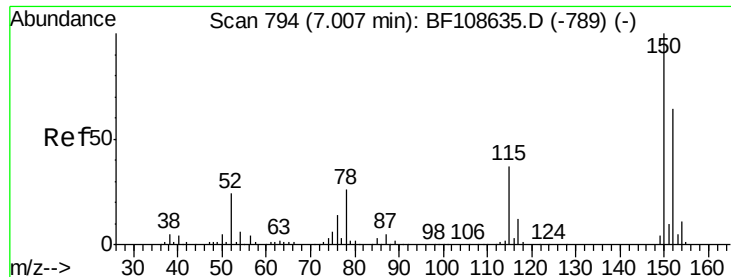
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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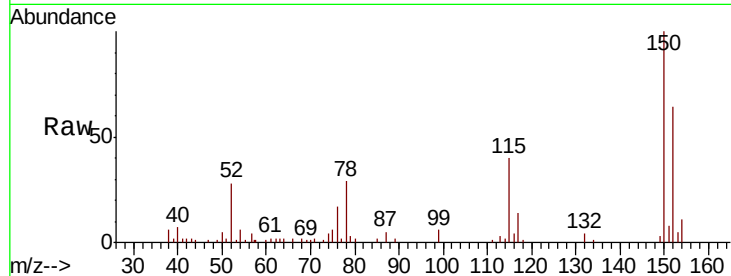


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	61.8	50.1	75.1

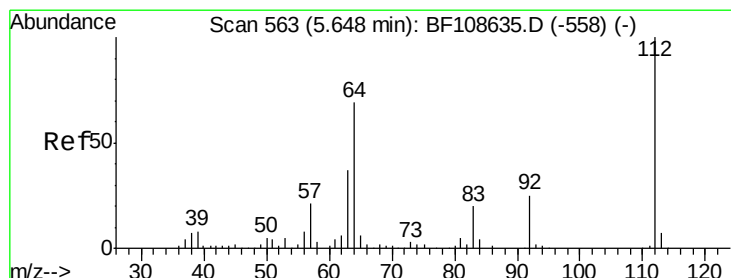
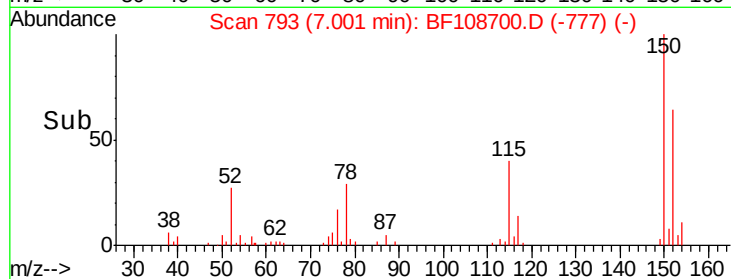
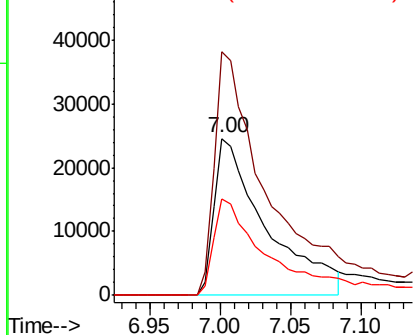


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

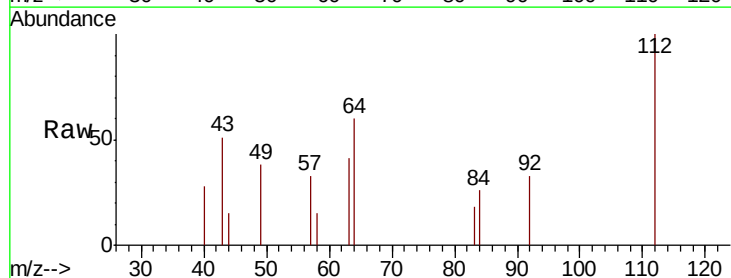
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 3.139 ng
RT: 5.77 min Scan# 583
Delta R.T. 0.12 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.9	71.9
63	41.3	23.7	35.5

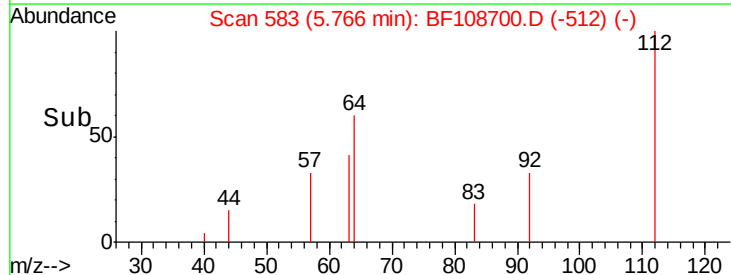
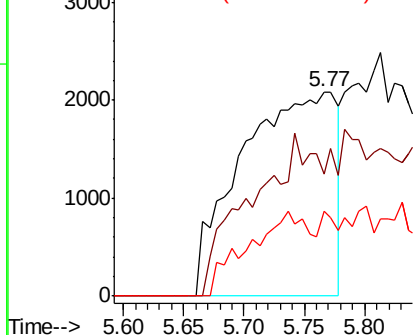


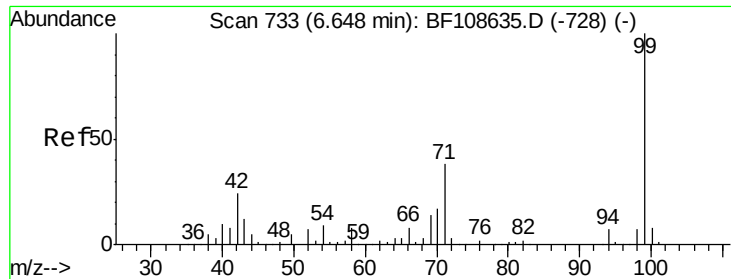
Abundance

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: 4.151 ng

RT: 6.70 min Scan# 741

Delta R.T. 0.05 min

Lab File: BF108700.D

Acq: 31 Aug 2018 20:17

Instrument :

BNA_F

ClientSampleId :

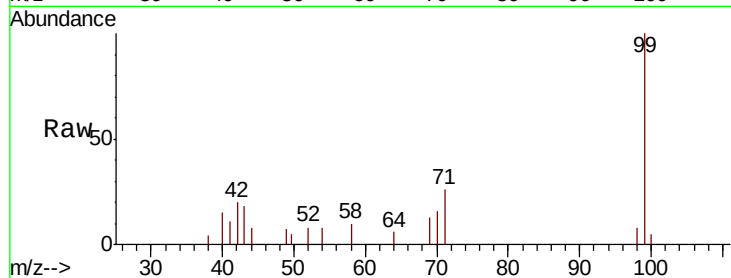
Tot Ion: 99 Resp: 21552

Ion Ratio Lower Upper

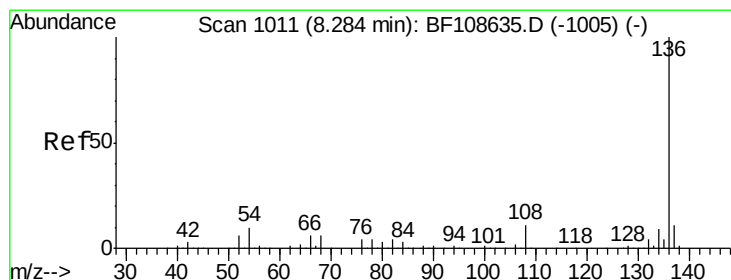
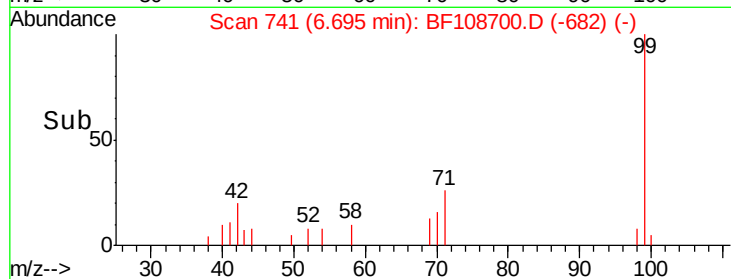
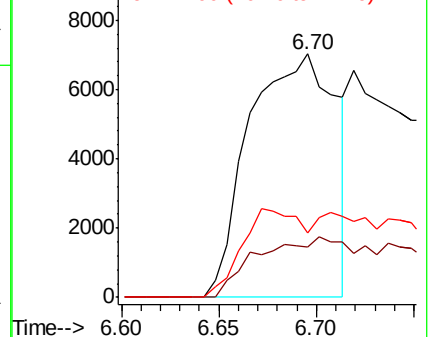
99 100

42 20.4 14.5 21.7

71 26.5 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: 8.28 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF108700.D

Acq: 31 Aug 2018 20:17

Tgt Ion: 136 Resp: 294329

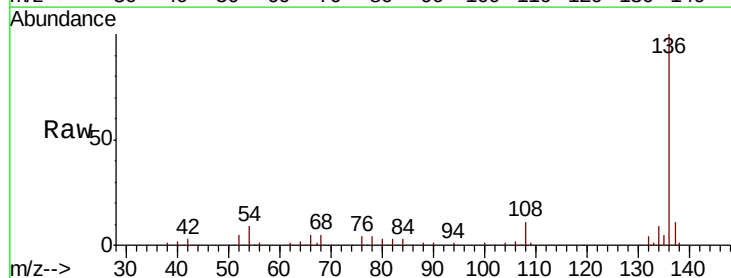
Ion Ratio Lower Upper

136 100

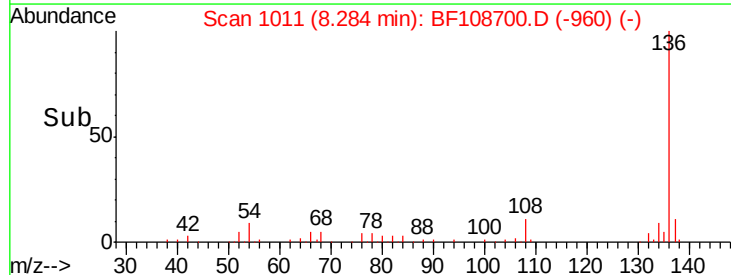
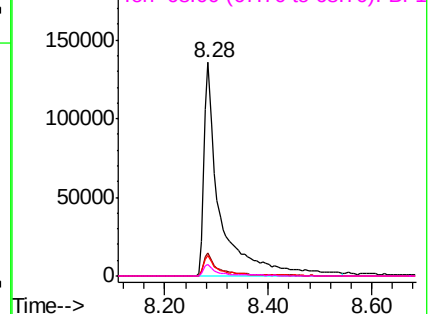
137 10.5 8.9 13.3

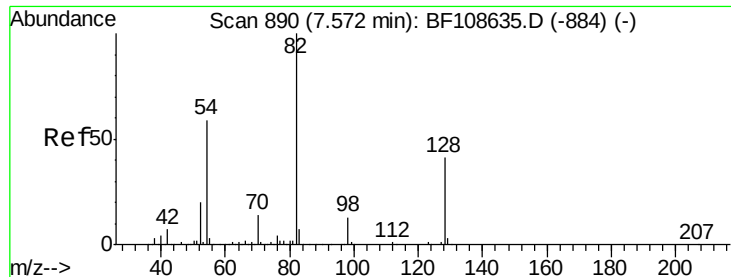
54 9.4 6.6 9.8

68 5.2 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

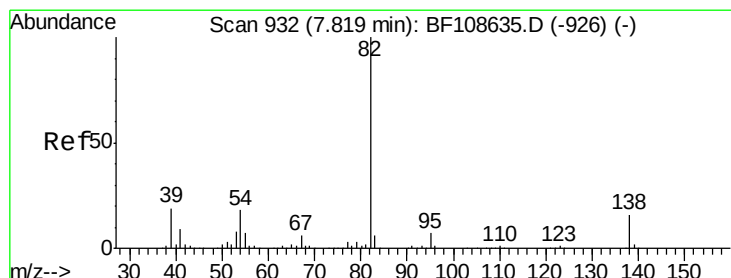
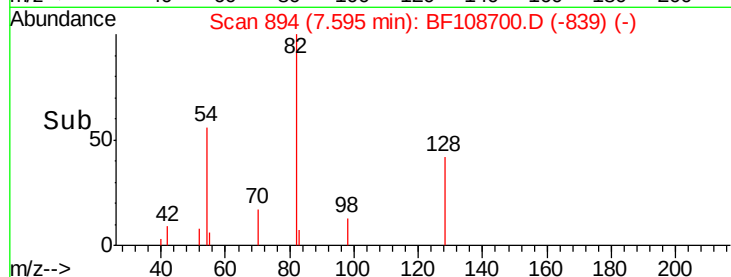
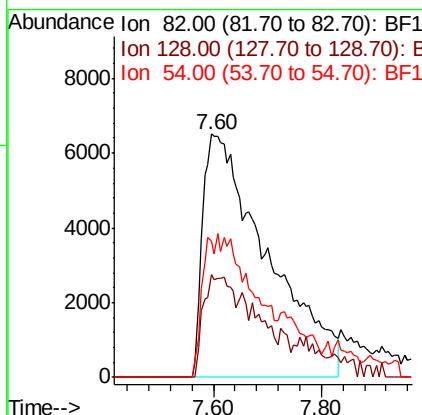
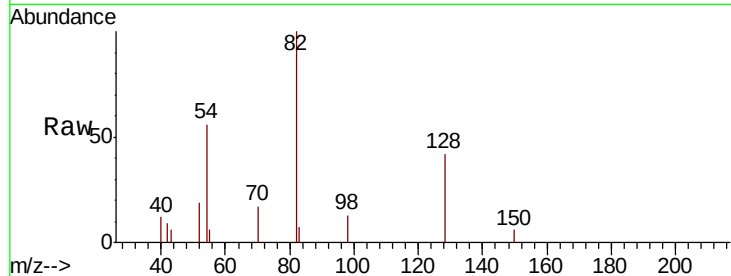




#23
 Nitrobenzene-d5
 Concen: 9.358 ng
 RT: 7.60 min Scan# 894
 Delta R.T. 0.02 min
 Lab File: BF108700.D
 Acq: 31 Aug 2018 20:17

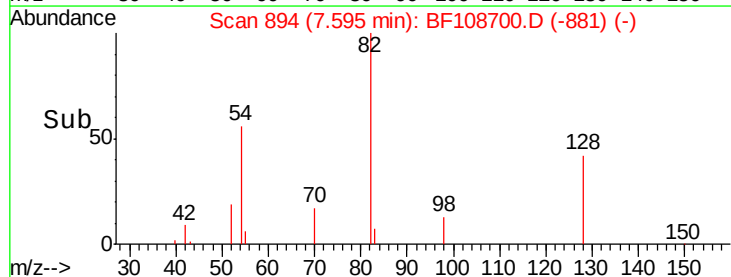
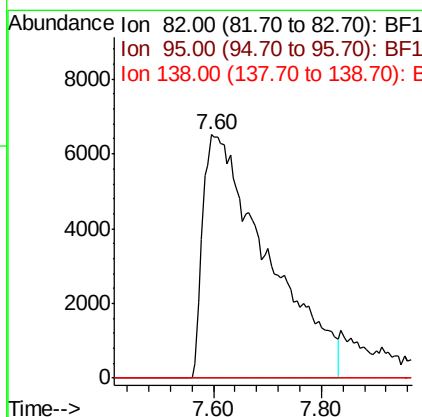
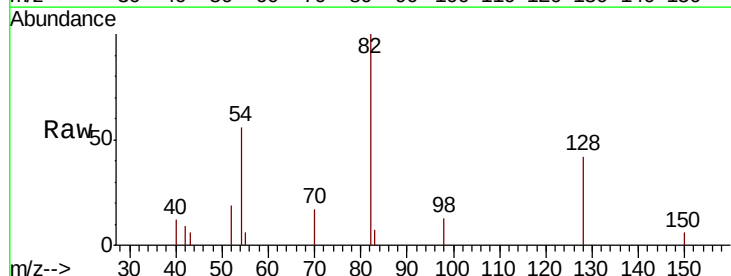
Instrument :
 BNA_F
 ClientSampled :

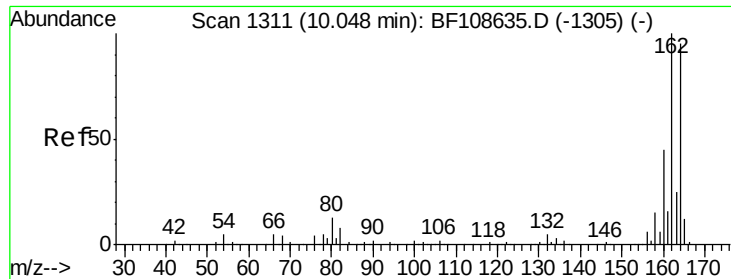
Tot Ion	82	Resp	54263
Ion Ratio	Lower	Upper	
82	100		
128	42.0	36.1	54.1
54	55.9	41.4	62.2



#25
 Isophorone
 Concen: 5.633 ng
 RT: 7.60 min Scan# 894
 Delta R.T. -0.22 min
 Lab File: BF108700.D
 Acq: 31 Aug 2018 20:17

Tgt Ion	82	Resp	54263
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

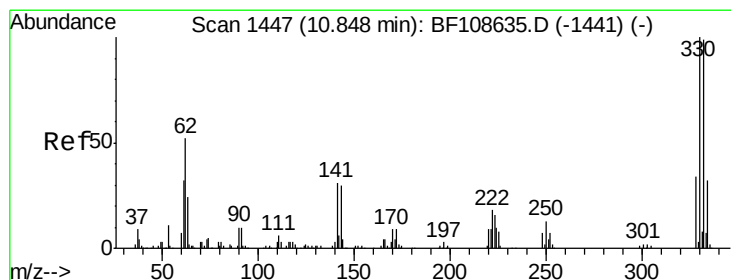
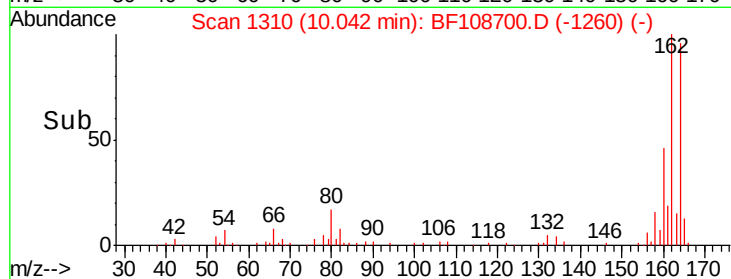
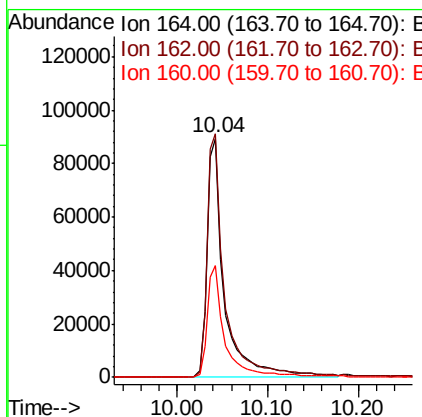
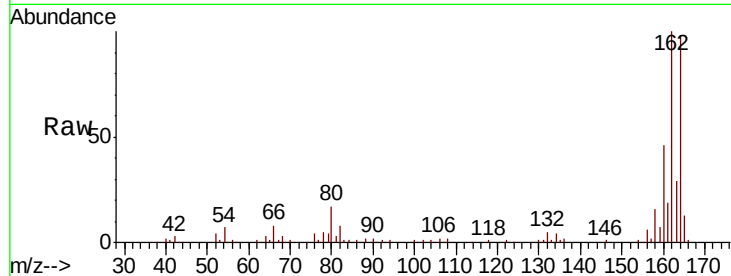




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108700.D
 Acq: 31 Aug 2018 20:17

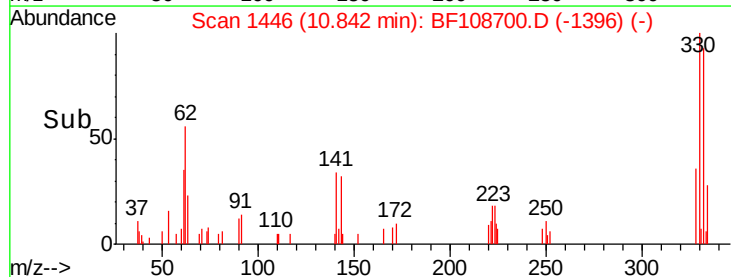
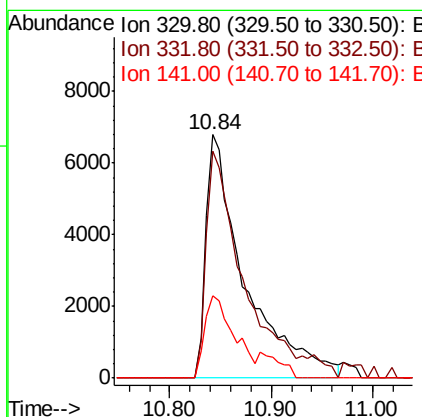
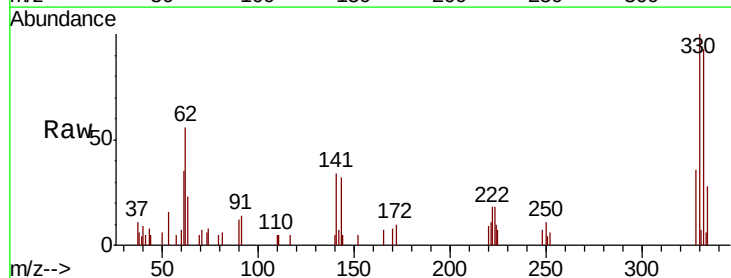
Instrument :
 BNA_F
 ClientSampleId :

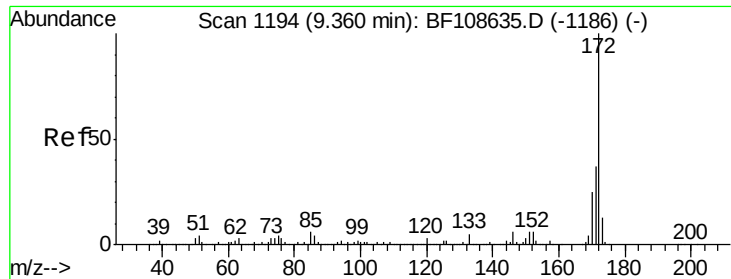
Tot Ion:164 Resp: 121650
 Ion Ratio Lower Upper
 164 100
 162 102.1 86.1 129.1
 160 47.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 11.274 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108700.D
 Acq: 31 Aug 2018 20:17

Tgt Ion:330 Resp: 18106
 Ion Ratio Lower Upper
 330 100
 332 91.9 77.0 115.6
 141 25.5 29.9 44.9#

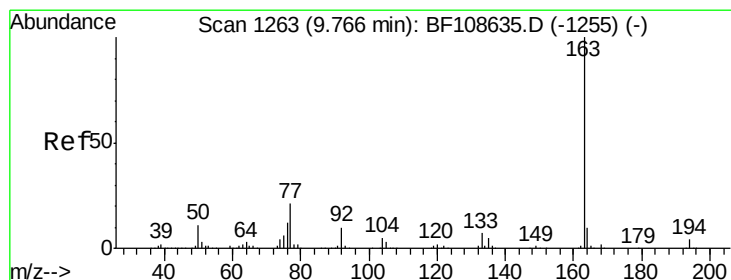
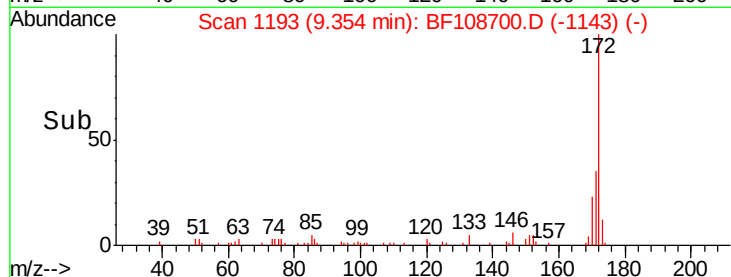
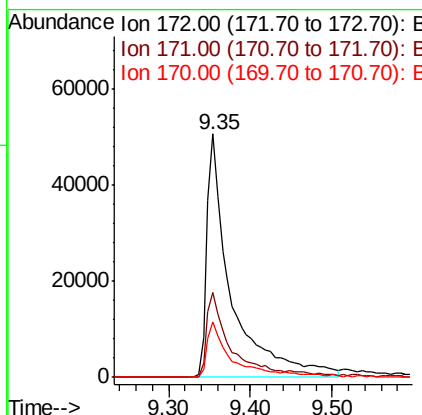
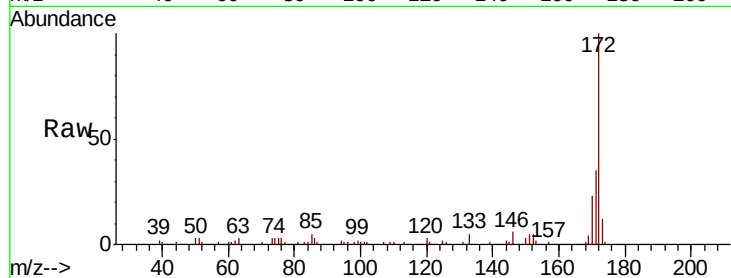




#44
2-Fluorobiphenyl
Concen: 11.578 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

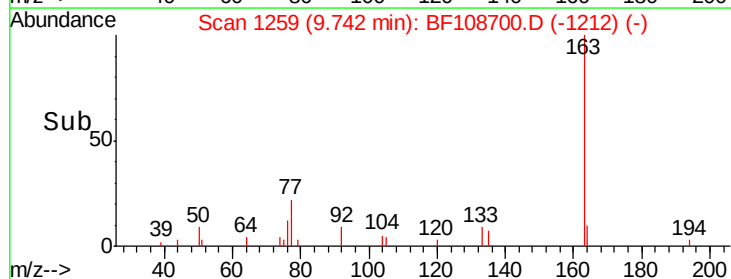
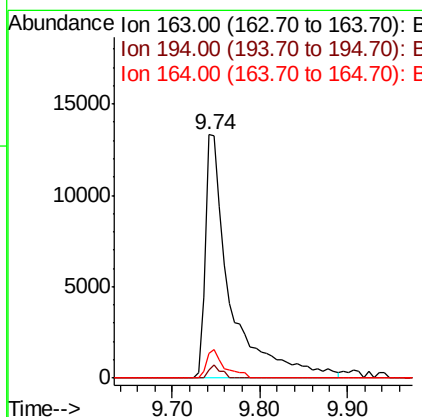
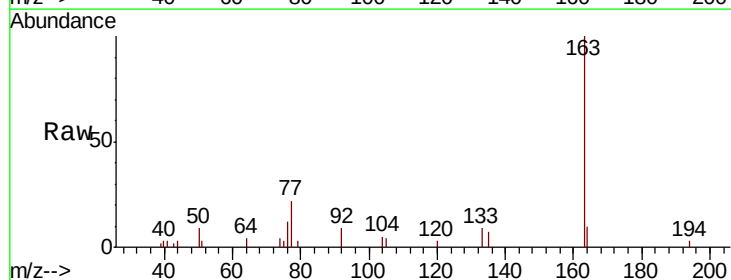
Instrument :
BNA_F
ClientSampleId :

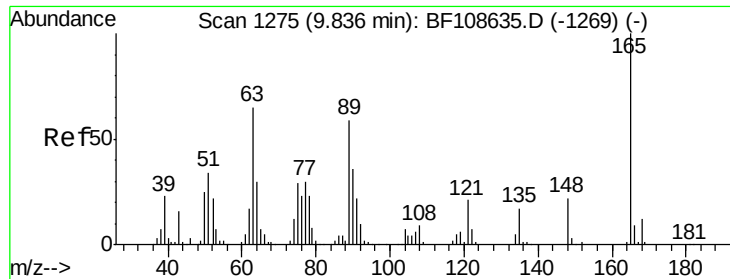
Tot Ion:172 Resp: 104754
Ion Ratio Lower Upper
172 100
171 34.9 29.7 44.5
170 23.0 19.6 29.4



#49
Dimethylphthalate
Concen: 2.759 ng
RT: 9.74 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:163 Resp: 26433
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.0 8.2 12.2

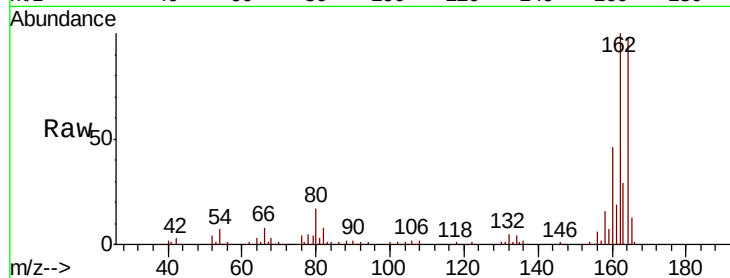




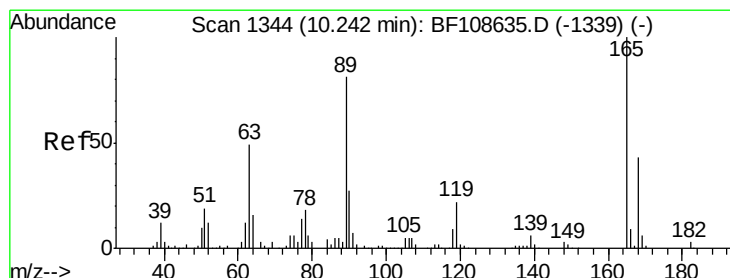
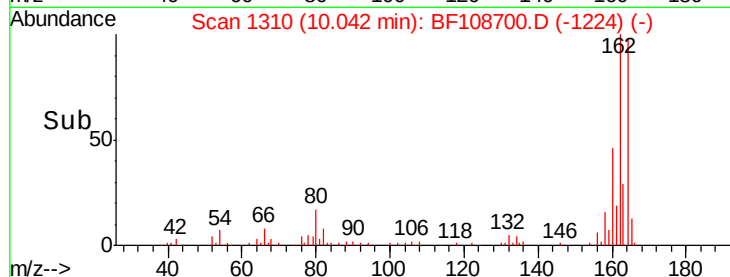
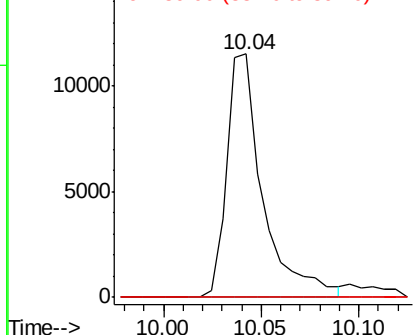
#50
2,6-Dinitrotoluene
Concen: 6.974 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#

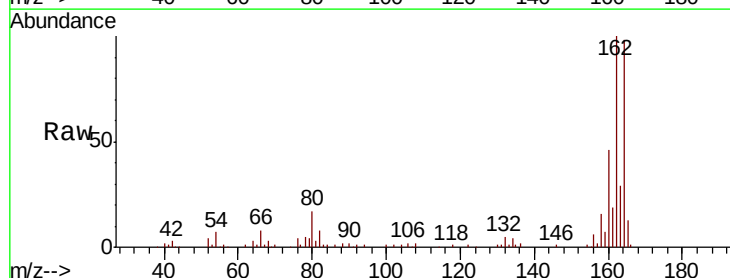


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

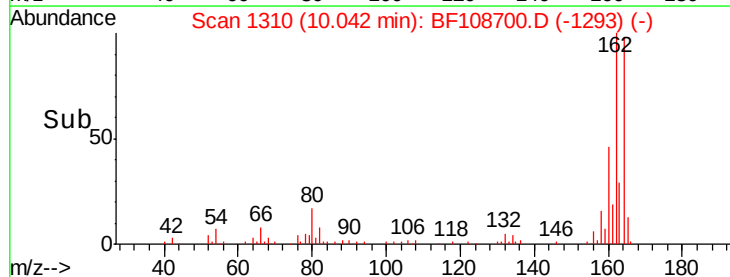
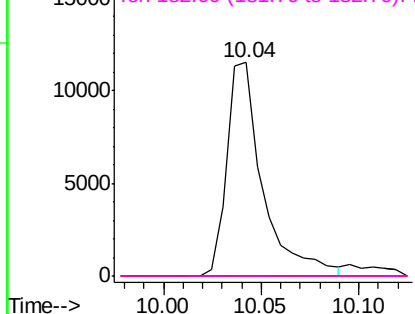


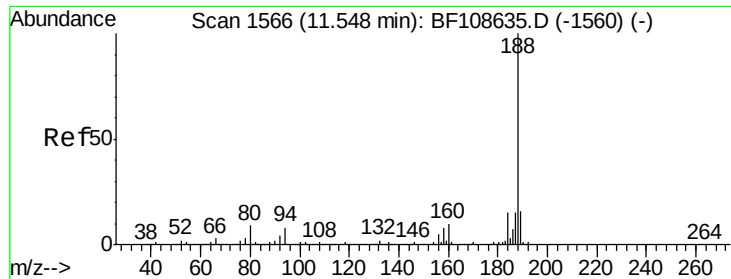
#56
2,4-Dinitrotoluene
Concen: 5.267 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.20 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

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

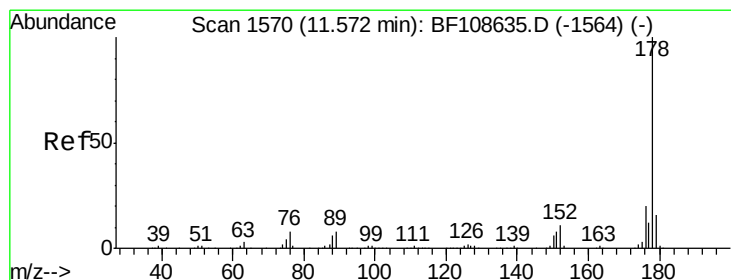
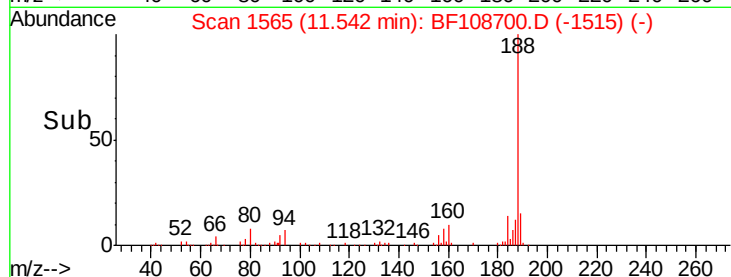
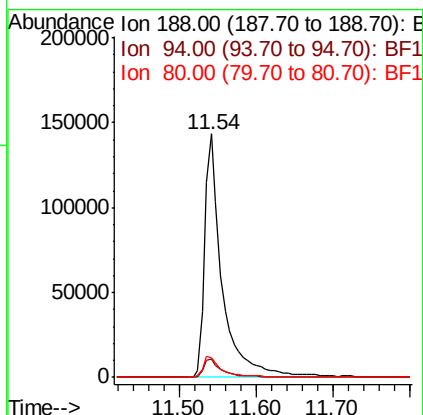
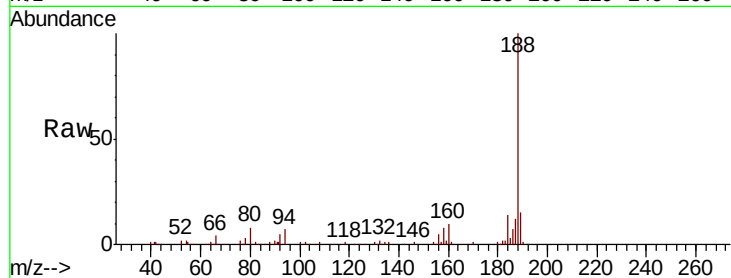




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

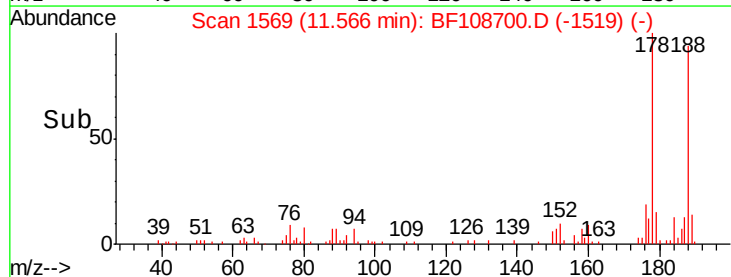
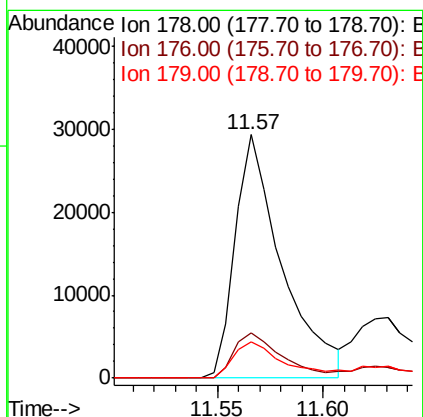
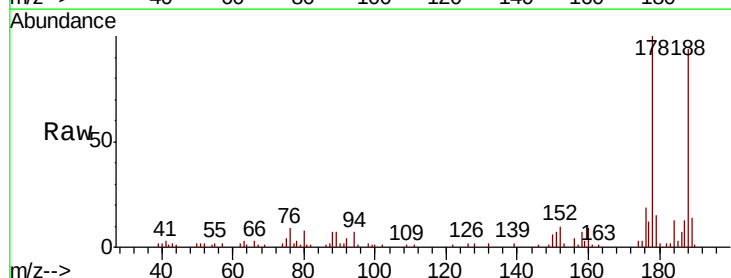
Instrument :
BNA_F
ClientSampleId :

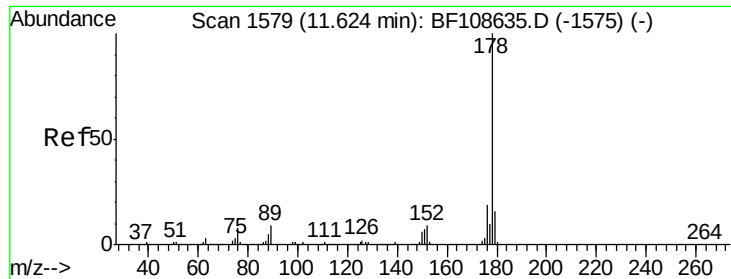
Tot Ion:188 Resp: 227172
Ion Ratio Lower Upper
188 100
94 7.4 8.5 12.7#
80 8.3 9.2 13.8#



#70
Phenanthrene
Concen: 3.923 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:178 Resp: 44986
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.1 13.0 19.6

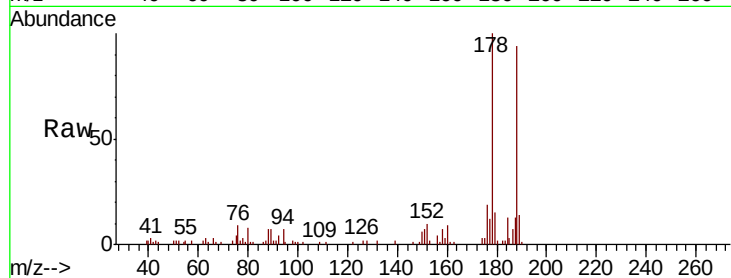




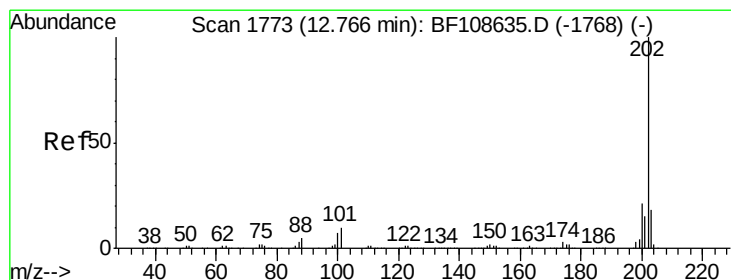
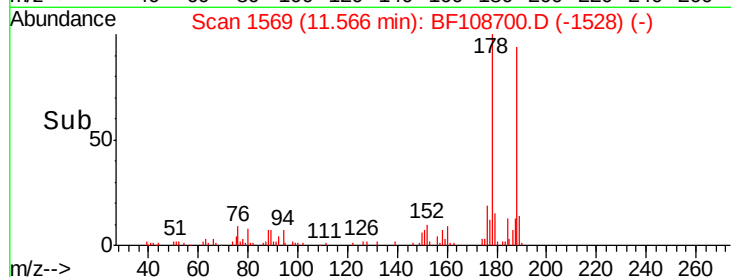
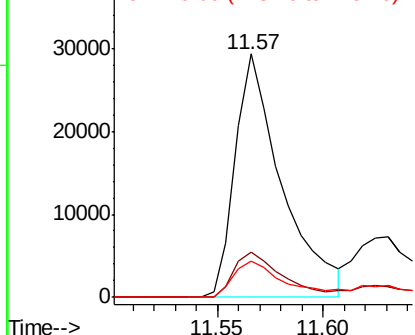
#71
 Anthracene
 Concen: 3.734 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.06 min
 Lab File: BF108700.D
 Acq: 31 Aug 2018 20:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 44986
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 15.1 12.6 19.0

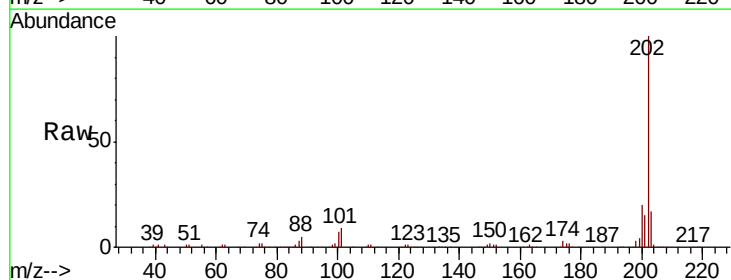


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

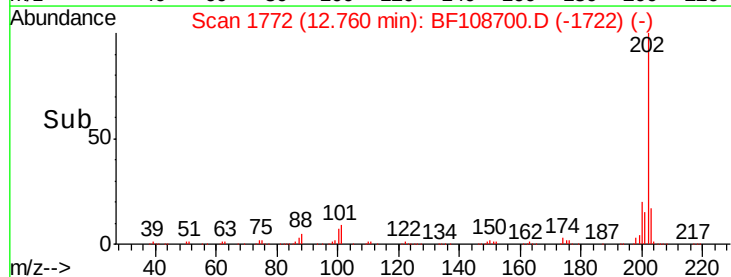
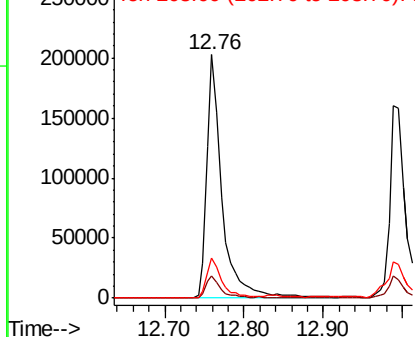


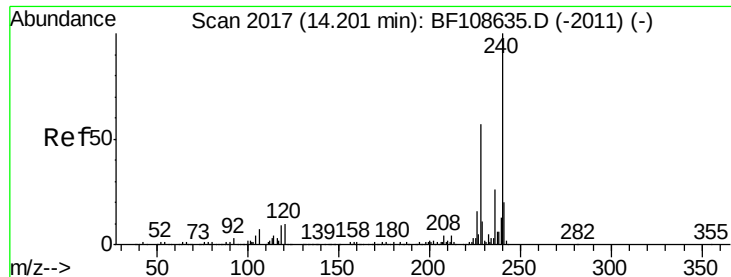
#74
 Fluoranthene
 Concen: 21.241 ng
 RT: 12.76 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BF108700.D
 Acq: 31 Aug 2018 20:17

Tgt Ion:202 Resp: 274156
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 34.1
 203 16.5 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: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108700.D

Acq: 31 Aug 2018 20:17

Instrument :

BNA_F

ClientSampled :

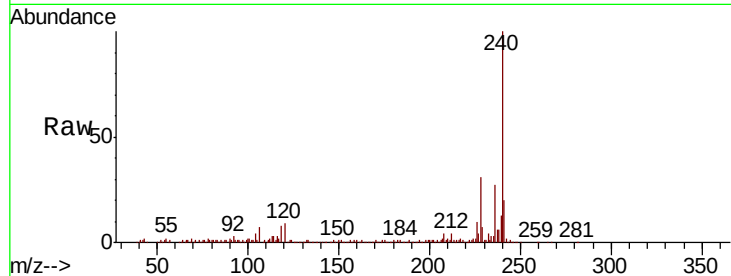
Tot Ion:240 Resp: 224328

Ion Ratio Lower Upper

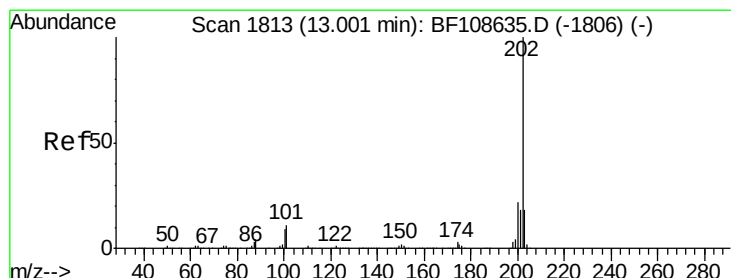
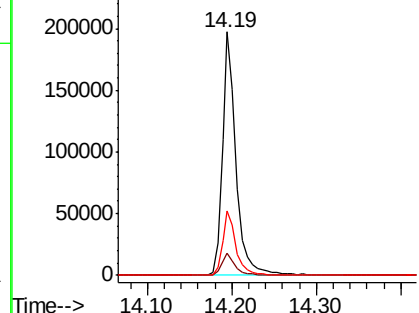
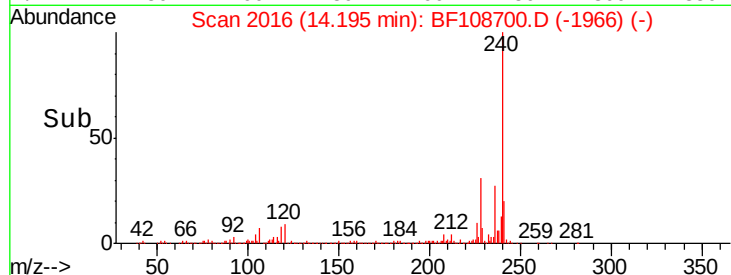
240 100

120 9.0 9.5 14.3#

236 26.6 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: 13.420 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108700.D

Acq: 31 Aug 2018 20:17

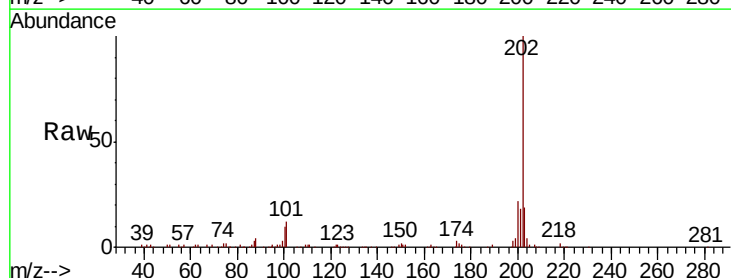
Tgt Ion:202 Resp: 226311

Ion Ratio Lower Upper

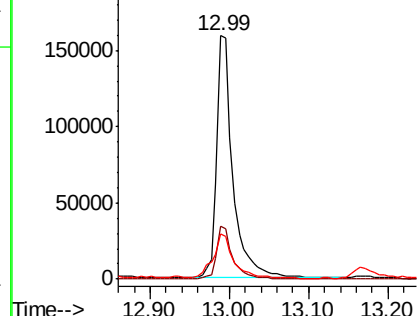
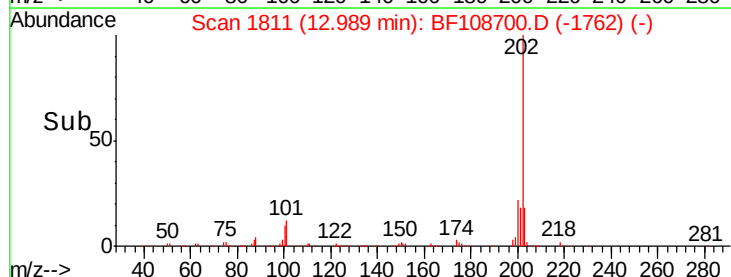
202 100

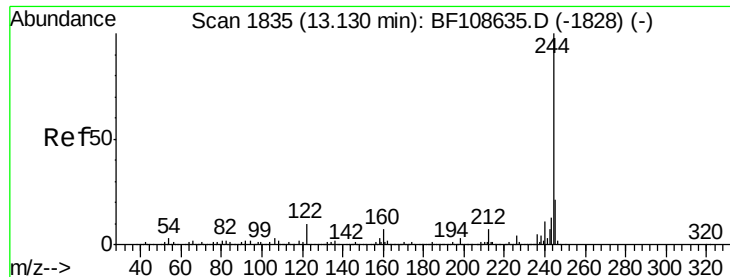
200 21.5 17.4 26.2

203 18.6 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 9.639 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108700.D

Acq: 31 Aug 2018 20:17

Instrument :

BNA_F

ClientSampled :

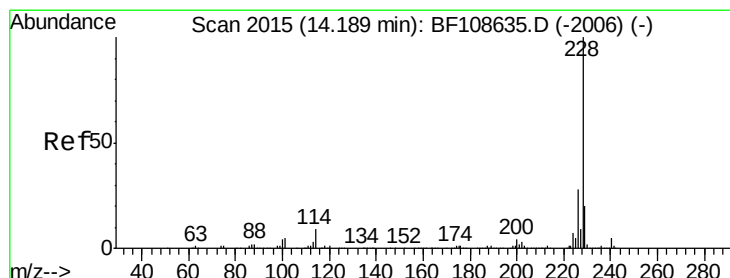
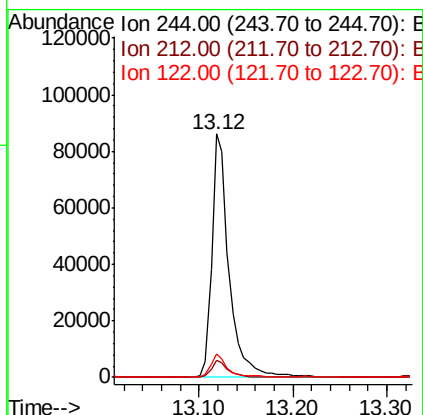
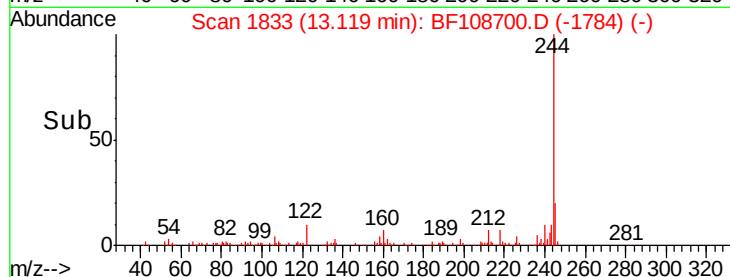
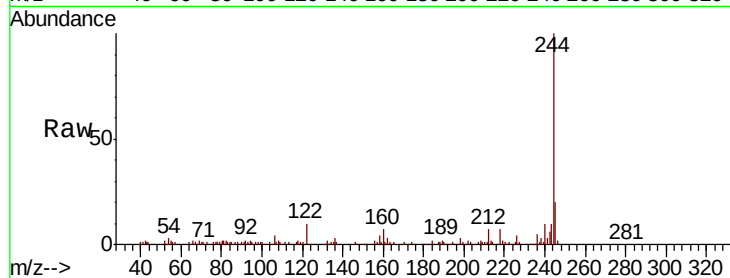
Tot Ion:244 Resp: 111285

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 9.7 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 11.729 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF108700.D

Acq: 31 Aug 2018 20:17

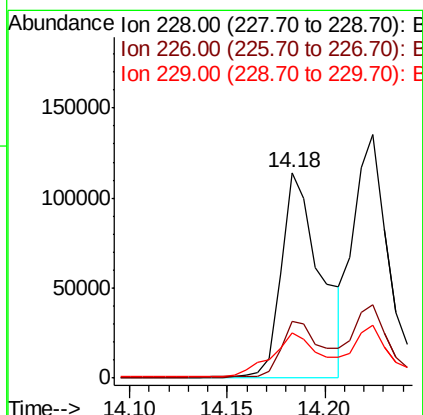
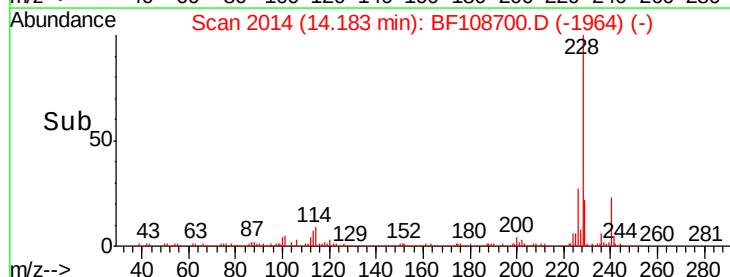
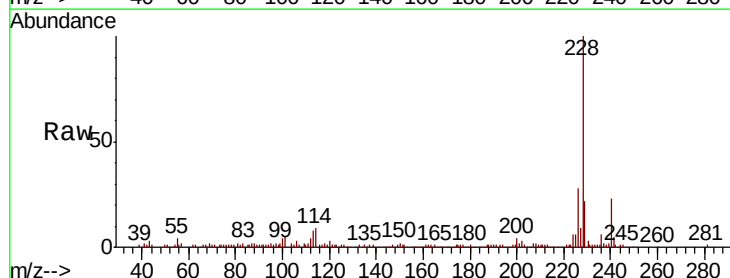
Tgt Ion:228 Resp: 160400

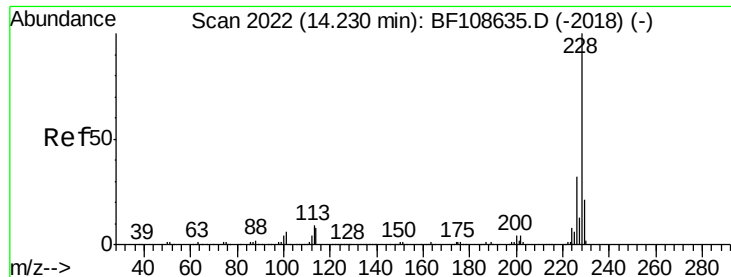
Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

229 22.3 15.8 23.6

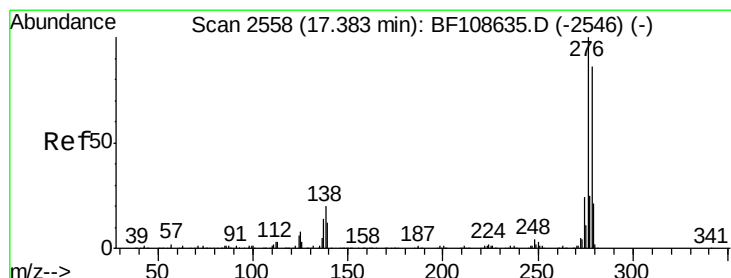
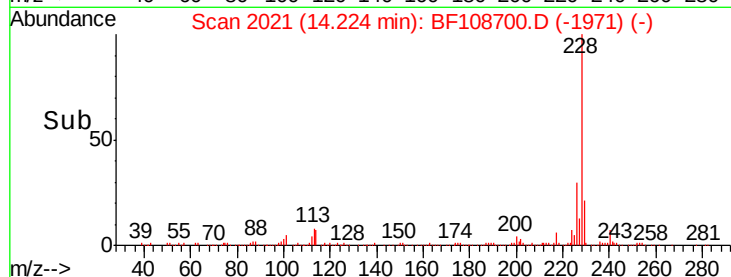
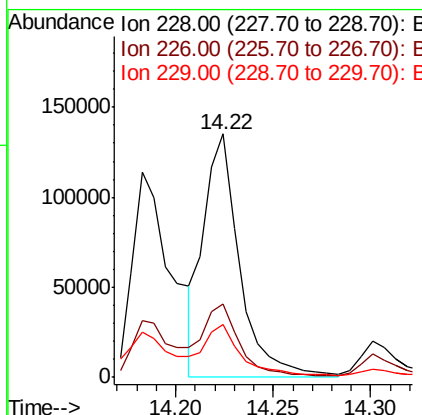
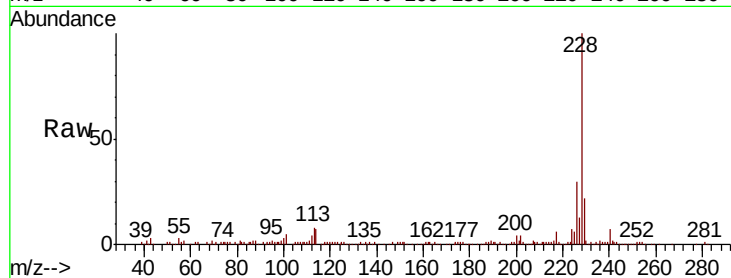




#82
Chrysene
Concen: 13.100 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

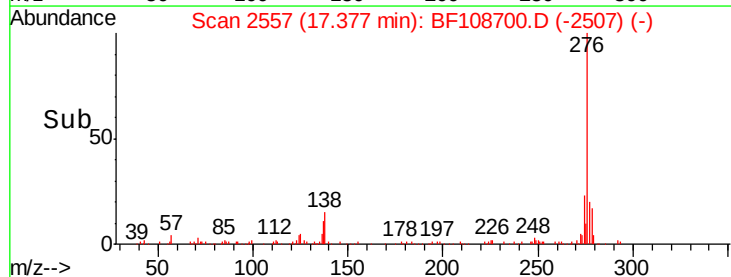
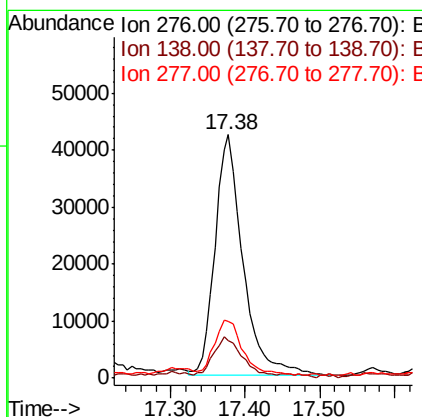
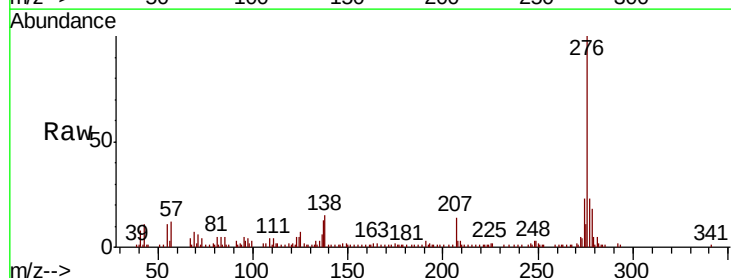
Instrument :
BNA_F
ClientSampleId :

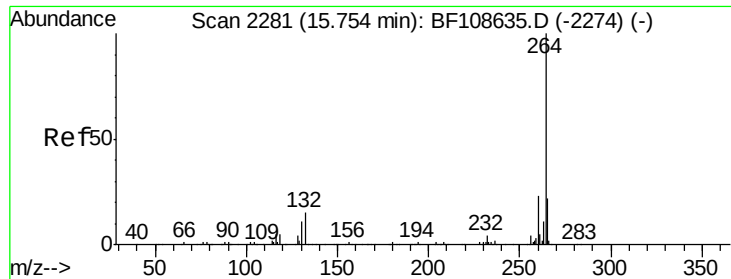
Tot Ion:228 Resp: 172283
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 21.6 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 11.954 ng
RT: 17.38 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:276 Resp: 109311
Ion Ratio Lower Upper
276 100
138 15.2 25.0 37.6#
277 22.7 20.1 30.1

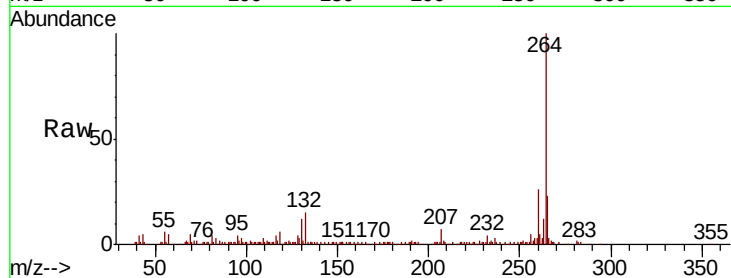




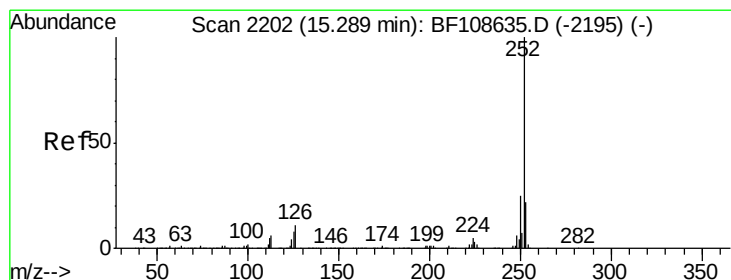
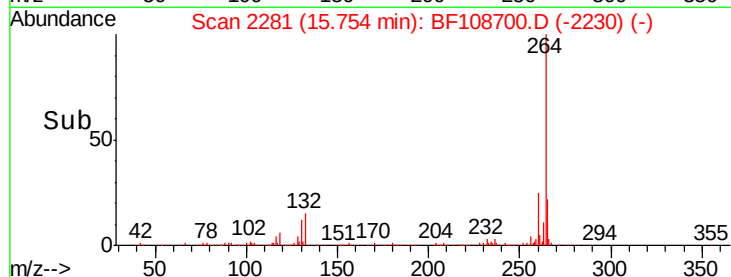
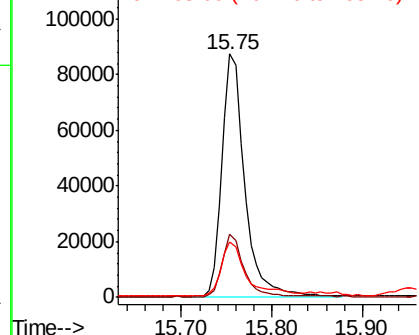
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 153897
Ion Ratio Lower Upper
264 100
260 25.8 19.2 28.8
265 23.0 17.5 26.3

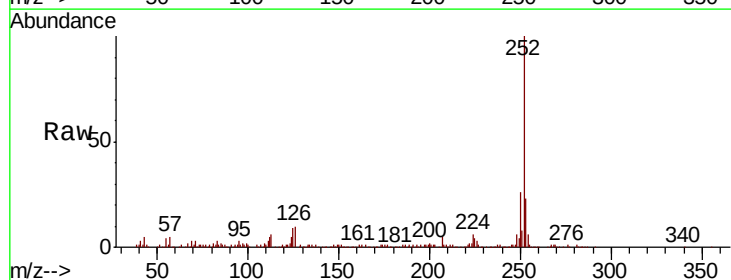


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

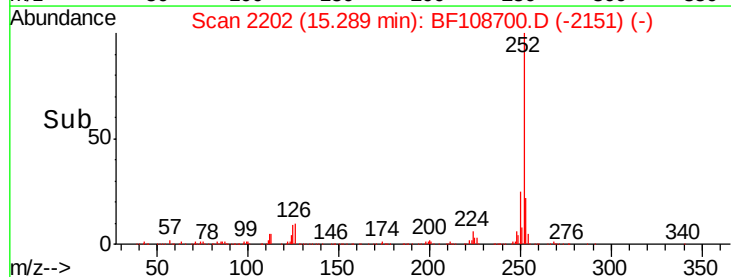
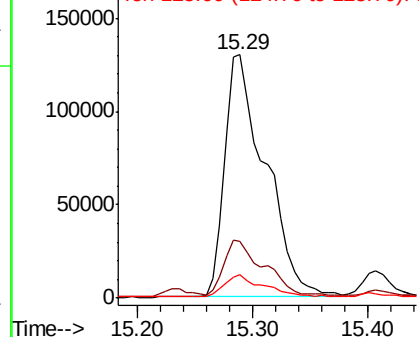


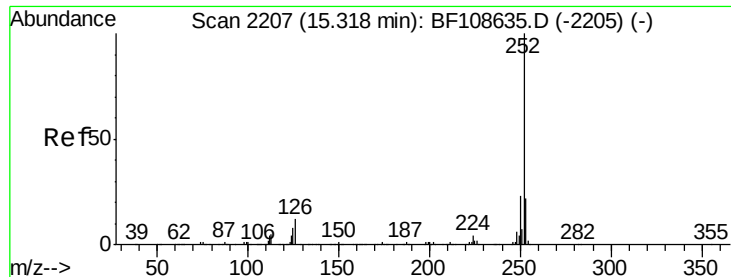
#87
Benzo(b)fluoranthene
Concen: 33.566 ng
RT: 15.29 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion:252 Resp: 317322
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 9.4 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

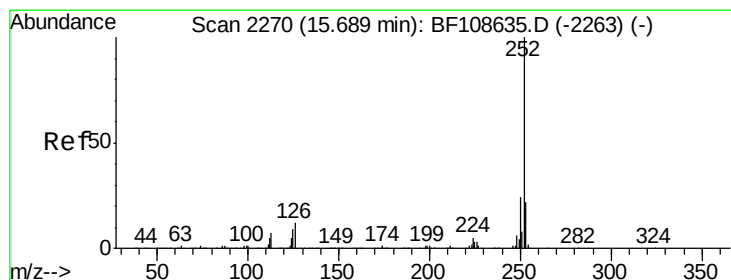
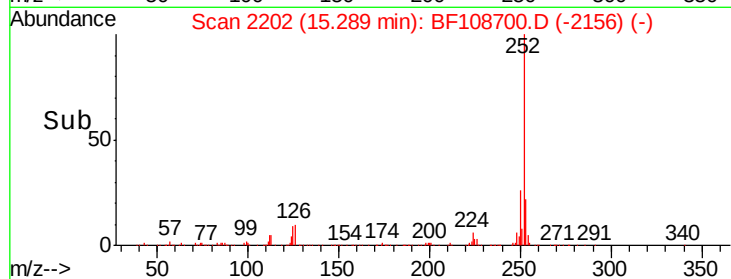
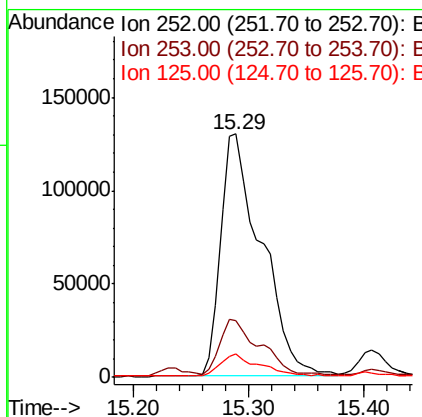
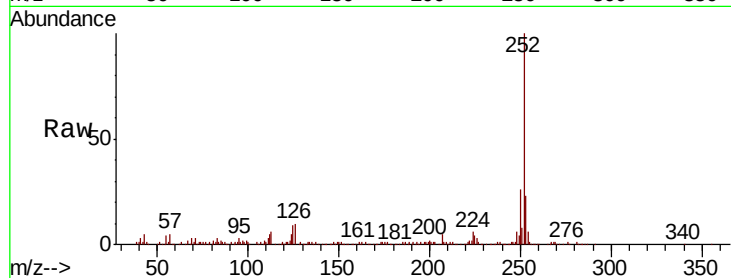




#88
Benzo(k)fluoranthene
Concen: 33.883 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.03 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

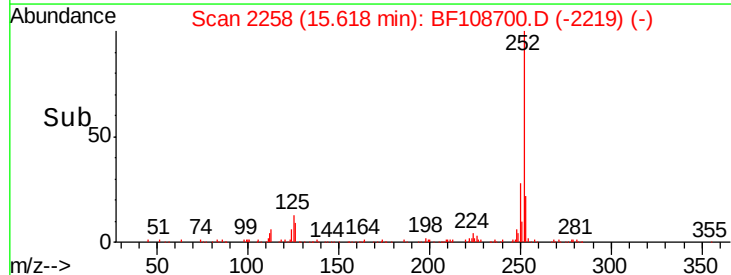
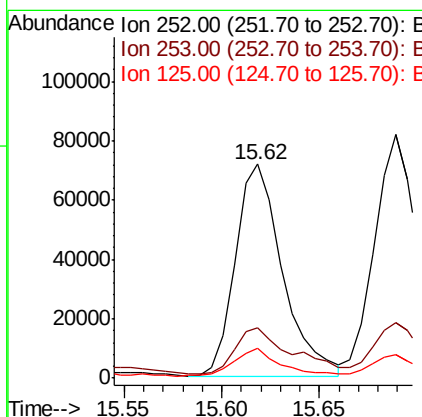
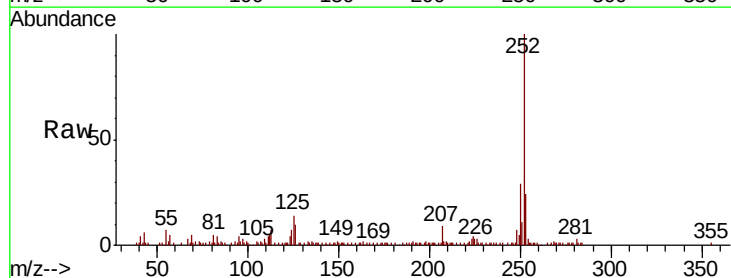
Instrument :
BNA_F
ClientSampleId :

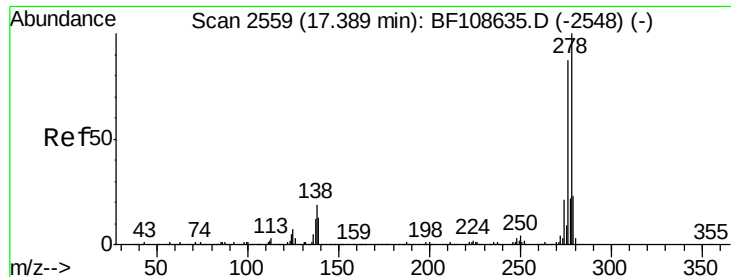
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	9.4	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 14.034 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.07 min
Lab File: BF108700.D
Acq: 31 Aug 2018 20:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.7	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.849 ng

RT: 17.38 min Scan# 2557

Delta R.T. -0.01 min

Lab File: BF108700.D

Acq: 31 Aug 2018 20:17

Instrument :

BNA_F

ClientSampled :

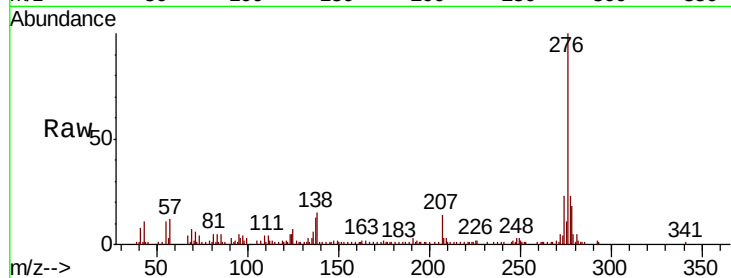
Tot Ion:278 Resp: 19440

Ion Ratio Lower Upper

278 100

139 0.0 15.9 23.9#

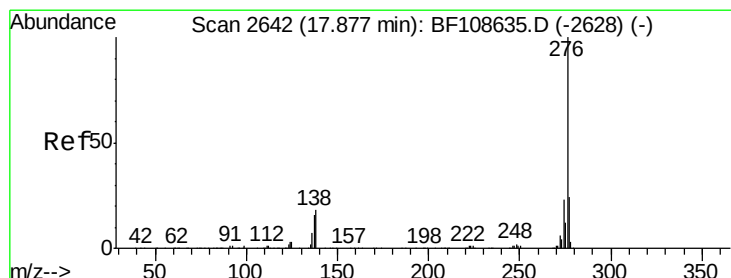
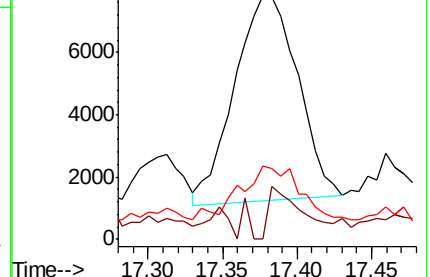
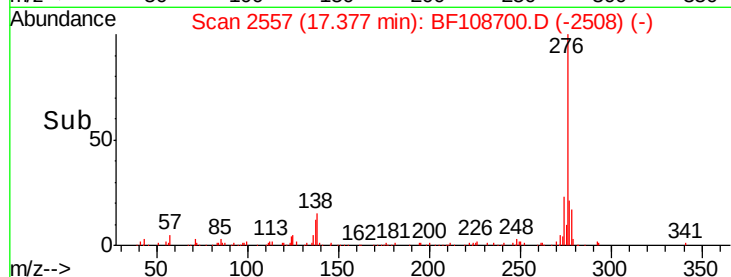
279 29.9 19.0 28.4#



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: 18.261 ng

RT: 17.87 min Scan# 2641

Delta R.T. -0.01 min

Lab File: BF108700.D

Acq: 31 Aug 2018 20:17

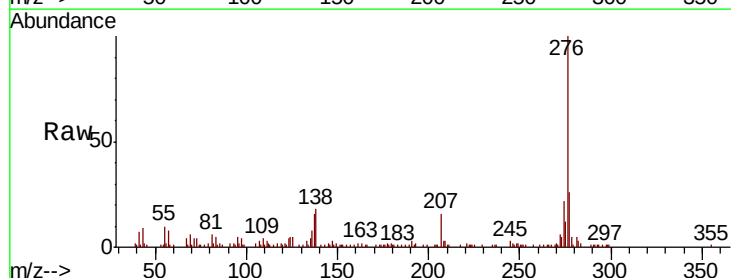
Tgt Ion:276 Resp: 121104

Ion Ratio Lower Upper

276 100

277 26.1 17.9 26.9

138 18.4 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

