

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
 Data File : BF108651.D
 Acq On : 30 Aug 2018 20:17
 Operator : JU/SJ
 Sample : J4282-15 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 01:11:58 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

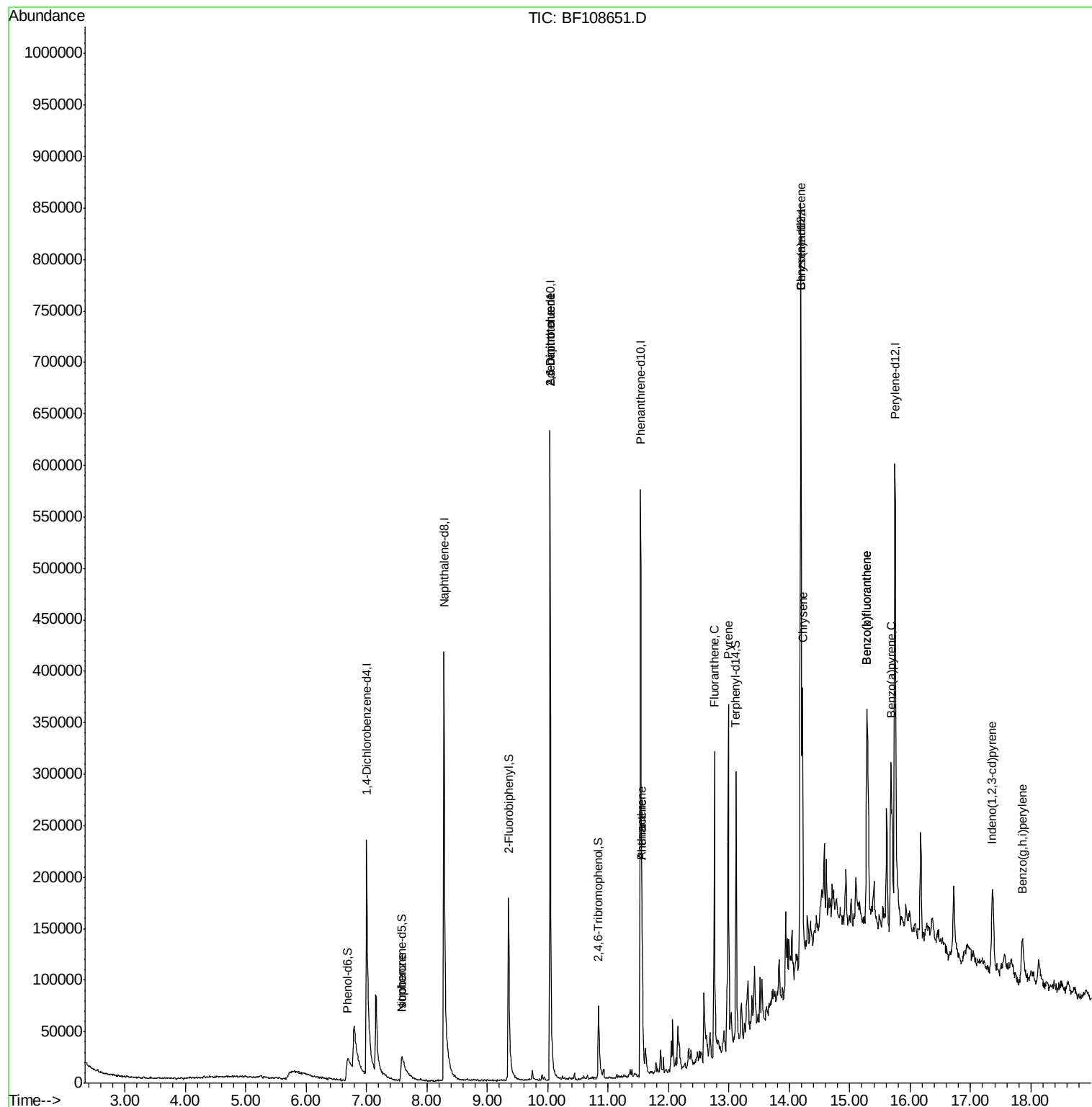
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	77108	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	355656	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	171646	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	294782	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	277310	20.00	ng	0.00
86) Perylene-d12	15.75	264	269325	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	2147	0.48	ng	0.13
7) Phenol-d6	6.70	99	57246	9.00	ng	0.05
23) Nitrobenzene-d5	7.59	82	38402	5.48	ng	0.02
41) 2,4,6-Tribromophenol	10.84	330	19461	8.59	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	104883	8.22	ng	0.00
78) Terphenyl-d14	13.12	244	94870	6.65	ng	-0.01
Target Compounds						
25) Isophorone	7.59	82	38402	3.299	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	21368	7.172	ng	# 25
56) 2,4-Dinitrotoluene	10.04	165	21476	5.444	ng	# 22
70) Phenanthrene	11.57	178	52145	3.505	ng	98
71) Anthracene	11.57	178	52145	3.335	ng	98
74) Fluoranthene	12.76	202	158909	9.488	ng	93
77) Pyrene	12.99	202	172623	8.281	ng	100
80) Benzo(a)anthracene	14.18	228	96503	5.708	ng	98
82) Chrysene	14.22	228	104276	6.414	ng	96
85) Indeno(1,2,3-cd)pyrene	17.36	276	47190	4.175	ng	# 85
87) Benzo(b)fluoranthene	15.28	252	180140	10.888	ng	97
88) Benzo(k)fluoranthene	15.28	252	180140	10.991	ng	# 97
89) Benzo(a)pyrene	15.68	252	98244	6.571	ng	97
91) Benzo(a,h,i)perylene	17.86	276	44030	3.794	ng	# 90

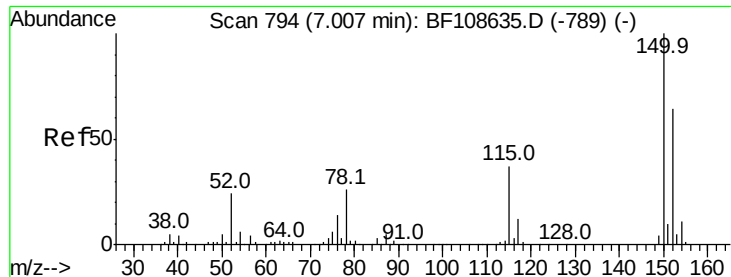
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
Data File : BF108651.D
Acq On : 30 Aug 2018 20:17
Operator : JU/SJ
Sample : J4282-15 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 31 01:11:58 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



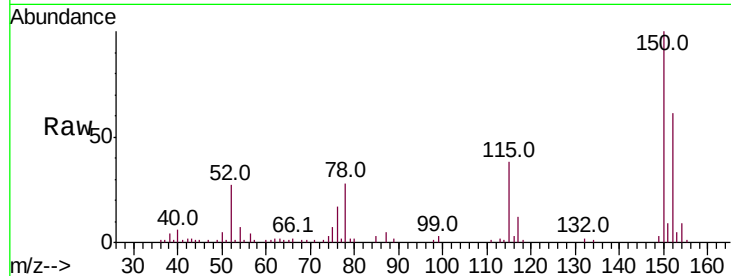


#1

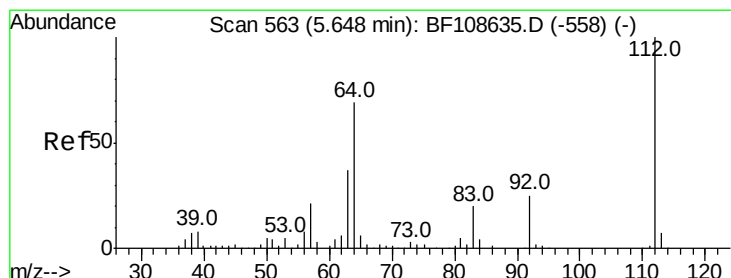
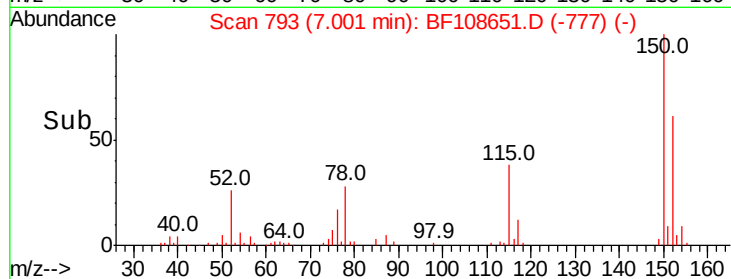
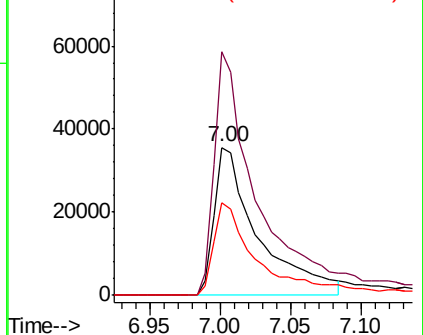
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 77108
Ion Ratio Lower Upper
152 100
150 164.7 124.6 186.8
115 62.3 50.1 75.1



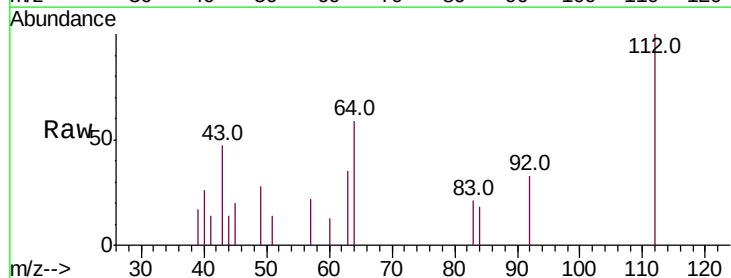
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



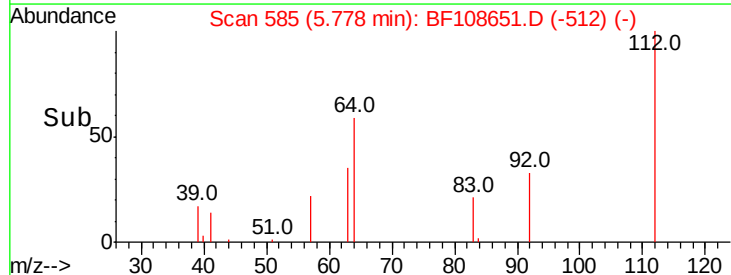
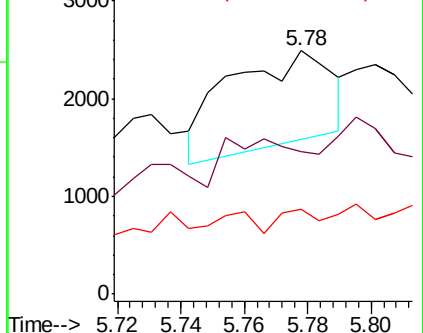
#5

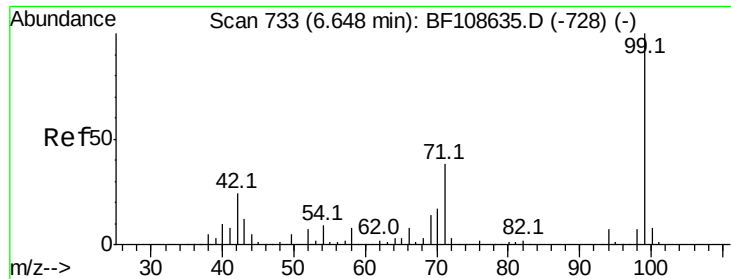
2-Fluorophenol
Concen: 0.484 ng
RT: 5.78 min Scan# 585
Delta R.T. 0.13 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

Tgt Ion:112 Resp: 2147
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 34.8 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: 9.005 ng

RT: 6.70 min Scan# 741

Delta R.T. 0.05 min

Lab File: BF108651.D

Acq: 30 Aug 2018 20:17

Instrument :

BNA_F

ClientSampleId :

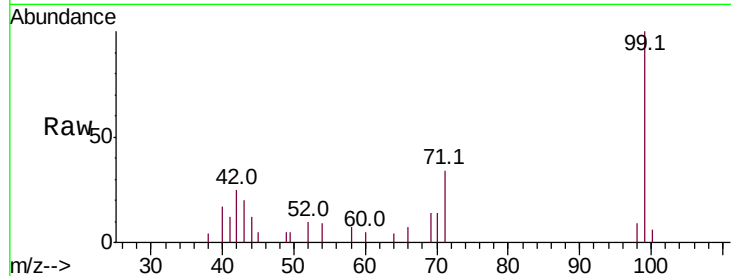
Tot Ion: 99 Resp: 57246

Ion Ratio Lower Upper

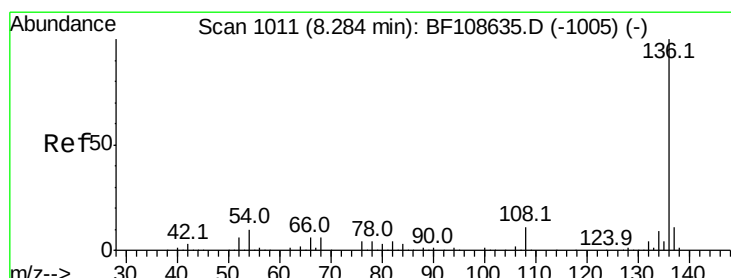
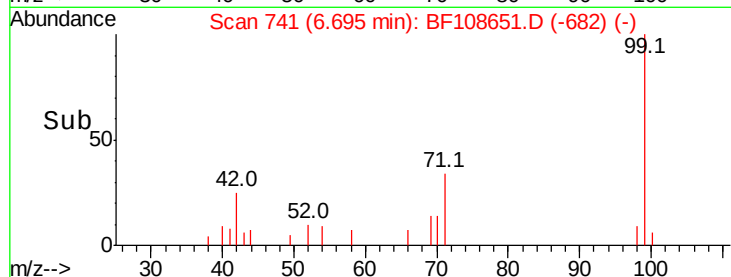
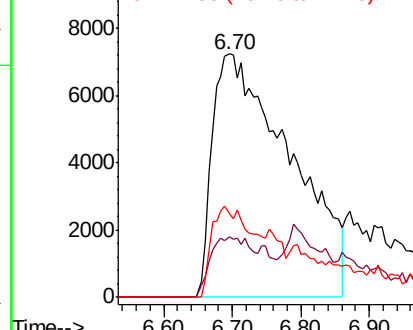
99 100

42 24.8 14.5 21.7#

71 34.4 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: BF108651.D

Acq: 30 Aug 2018 20:17

Tgt Ion: 136 Resp: 355656

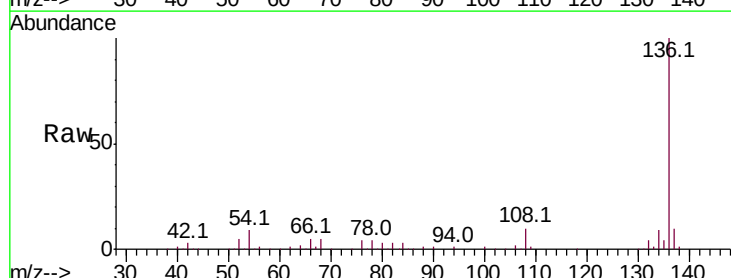
Ion Ratio Lower Upper

136 100

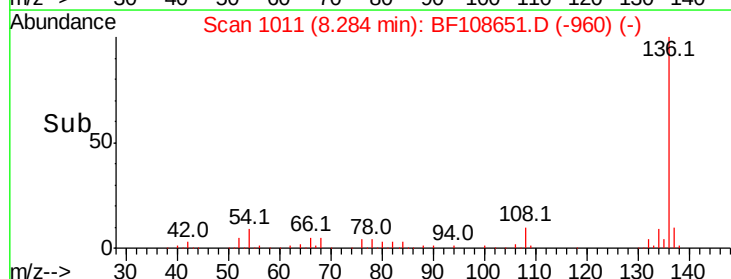
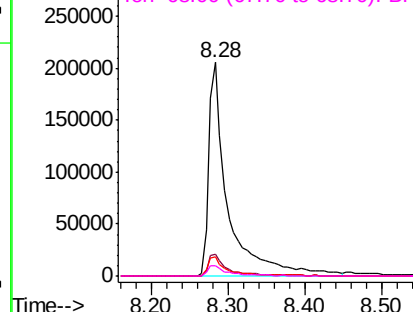
137 10.2 8.9 13.3

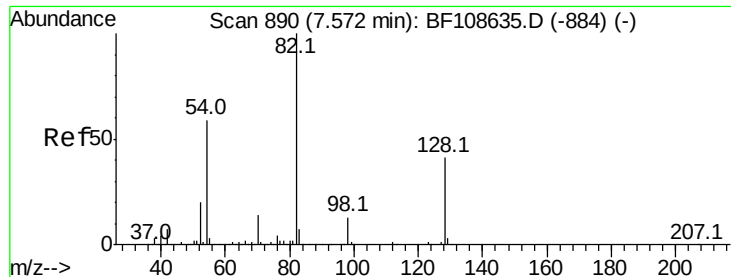
54 9.0 6.6 9.8

68 5.0 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

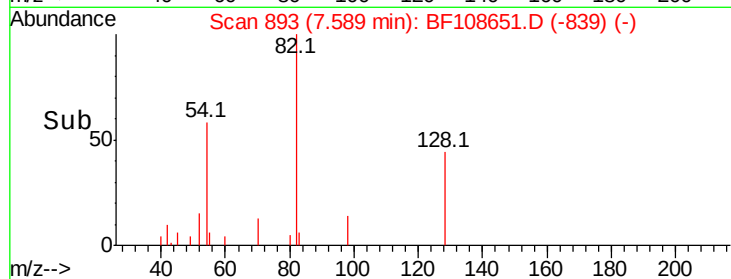
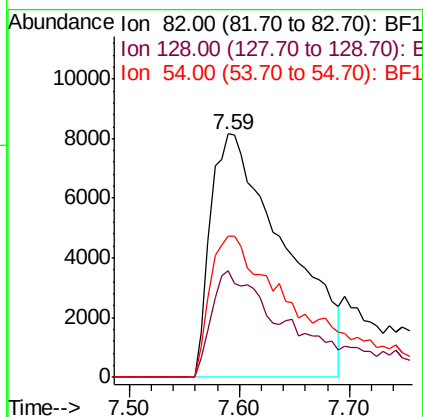
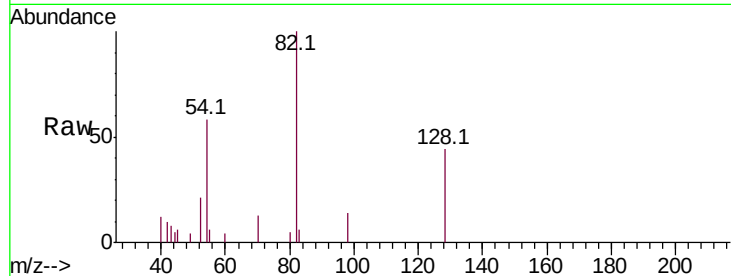




#23
 Nitrobenzene-d5
 Concen: 5.481 ng
 RT: 7.59 min Scan# 893
 Delta R.T. 0.02 min
 Lab File: BF108651.D
 Acq: 30 Aug 2018 20:17

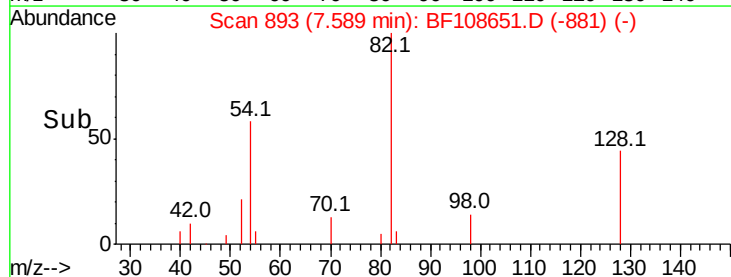
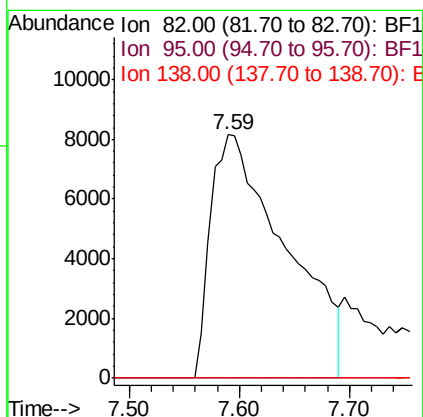
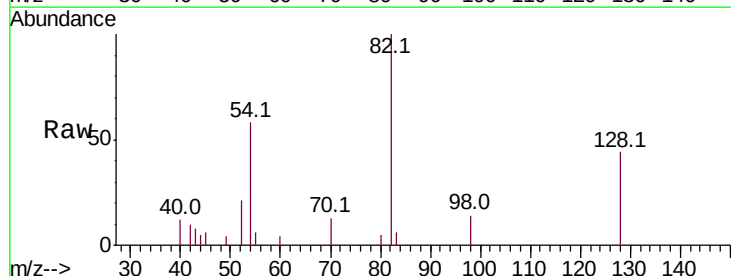
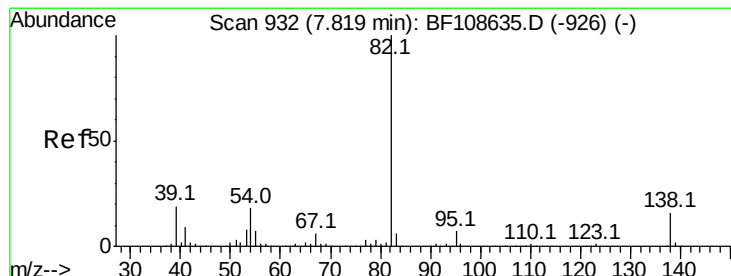
Instrument :
 BNA_F
 ClientSampled :

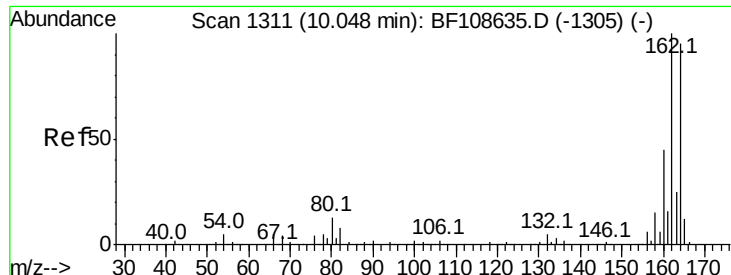
Tot Ion: 82 Resp: 38402
 Ion Ratio Lower Upper
 82 100
 128 43.6 36.1 54.1
 54 58.0 41.4 62.2



#25
 Isophorone
 Concen: 3.299 ng
 RT: 7.59 min Scan# 893
 Delta R.T. -0.23 min
 Lab File: BF108651.D
 Acq: 30 Aug 2018 20:17

Tgt Ion: 82 Resp: 38402
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

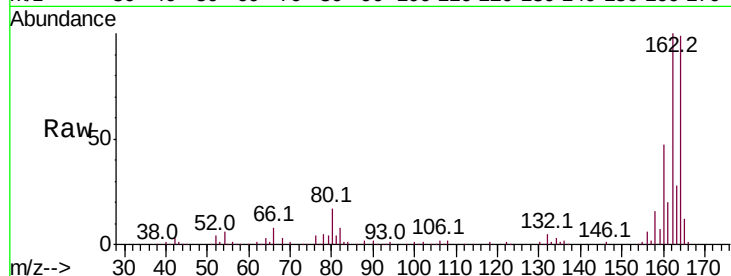




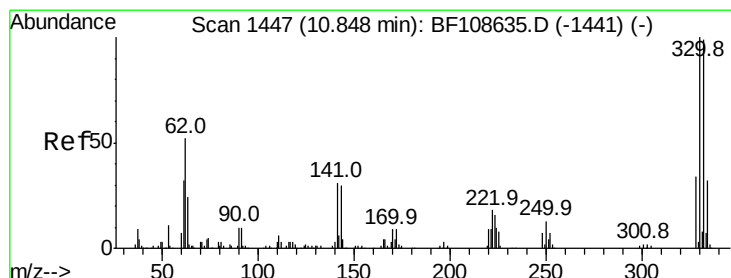
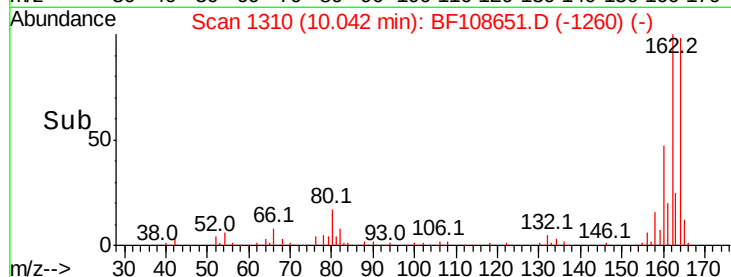
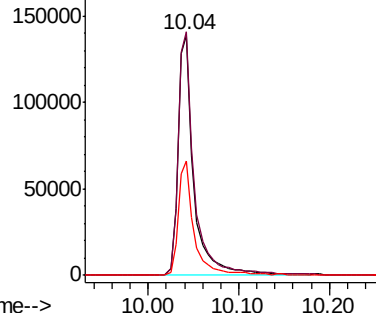
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108651.D
 Acq: 30 Aug 2018 20:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 171646
 Ion Ratio Lower Upper
 164 100
 162 101.4 86.1 129.1
 160 47.8 38.3 57.5

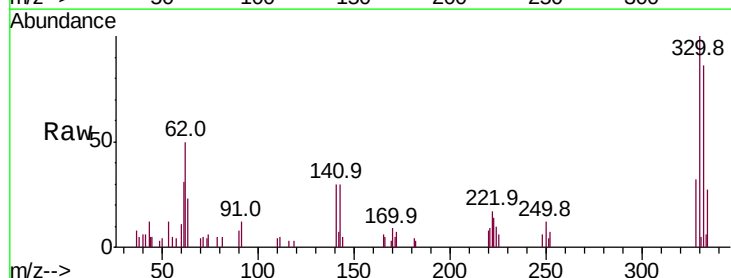


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

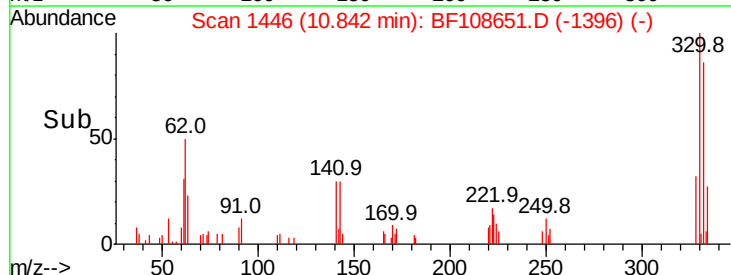
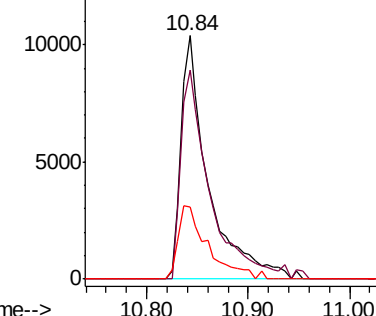


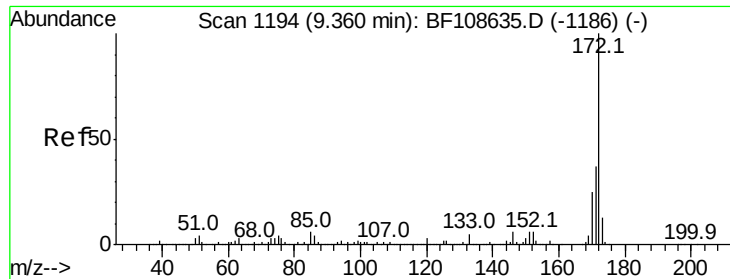
#41
 2,4,6-Tribromophenol
 Concen: 8.588 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108651.D
 Acq: 30 Aug 2018 20:17

Tgt Ion:330 Resp: 19461
 Ion Ratio Lower Upper
 330 100
 332 91.1 77.0 115.6
 141 32.9 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

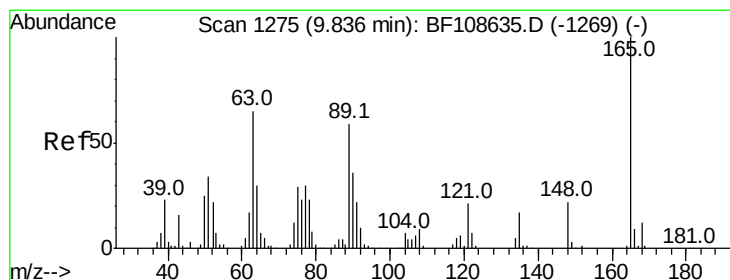
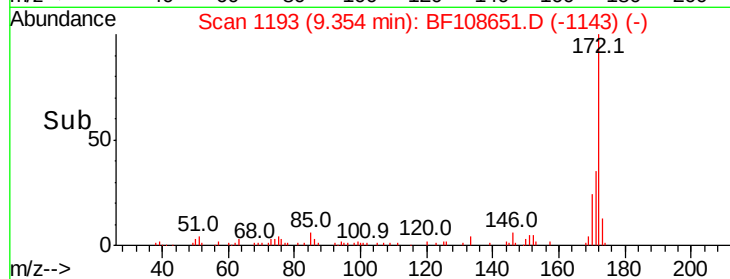
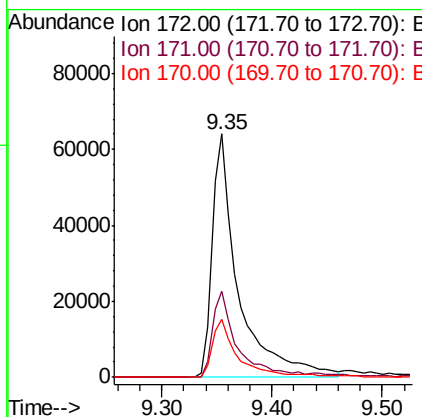
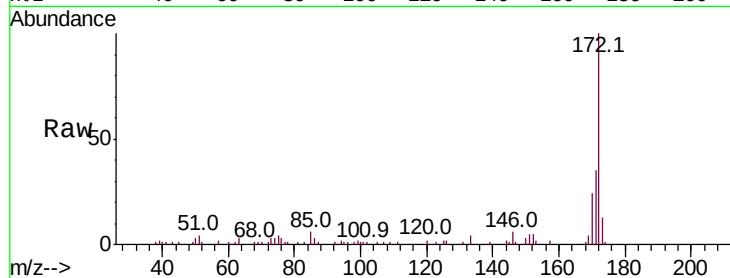




#44
 2-Fluorobiphenyl
 Concen: 8.216 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108651.D
 Acq: 30 Aug 2018 20:17

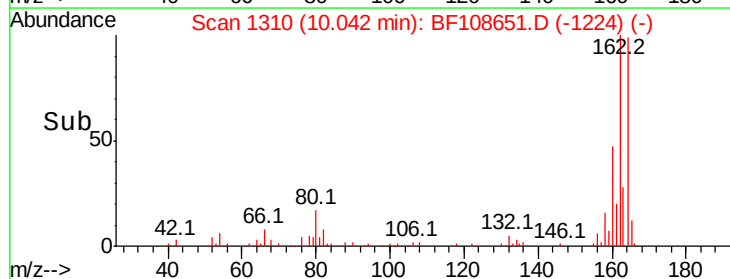
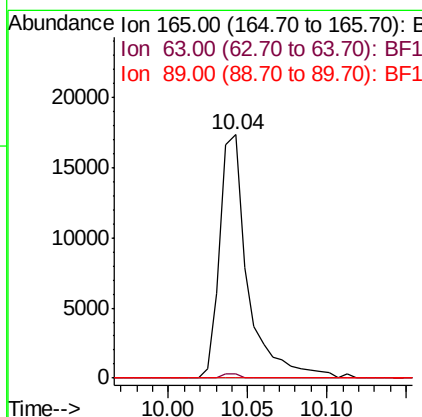
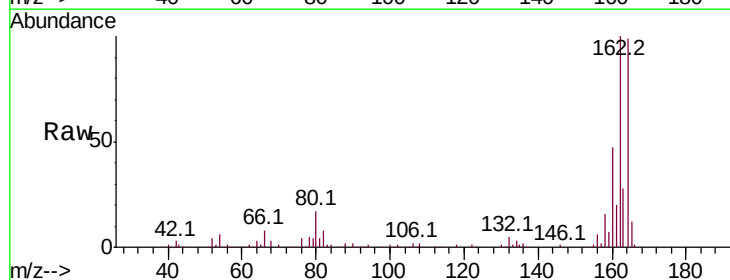
Instrument :
 BNA_F
 ClientSampleId :

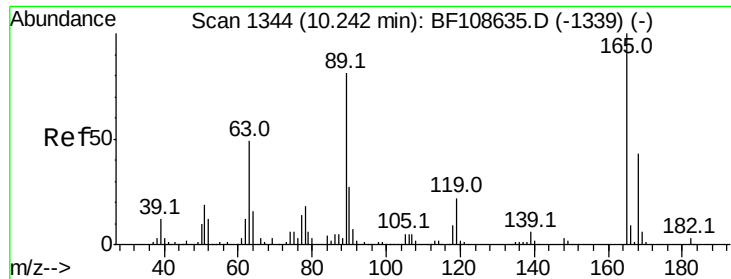
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.8	19.6	29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.172 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108651.D
 Acq: 30 Aug 2018 20:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	0.0	44.0	66.0#

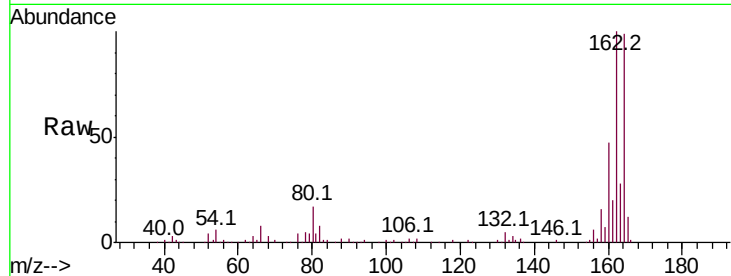




#56
 2,4-Dinitrotoluene
 Concen: 5.444 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.20 min
 Lab File: BF108651.D
 Acq: 30 Aug 2018 20:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



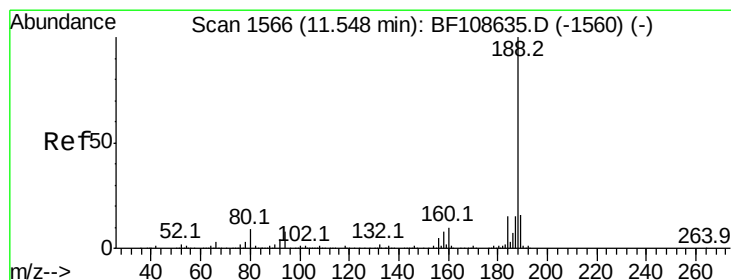
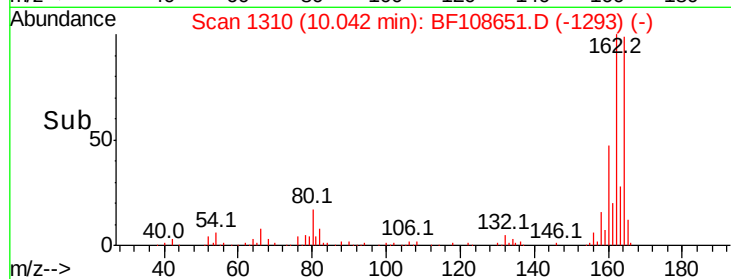
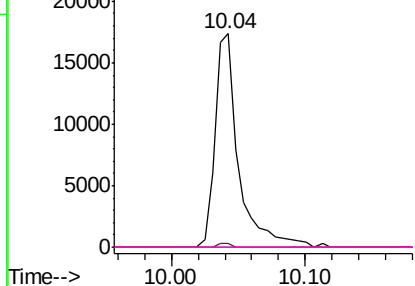
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

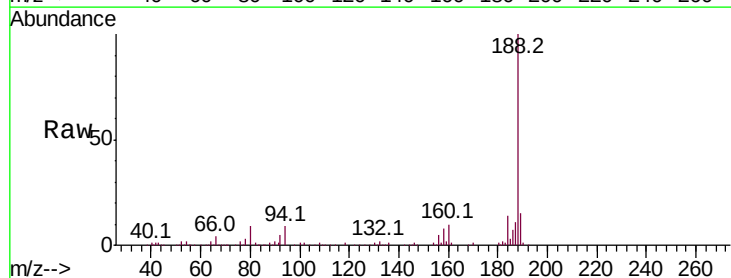
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108651.D
 Acq: 30 Aug 2018 20:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.4	9.2	13.8

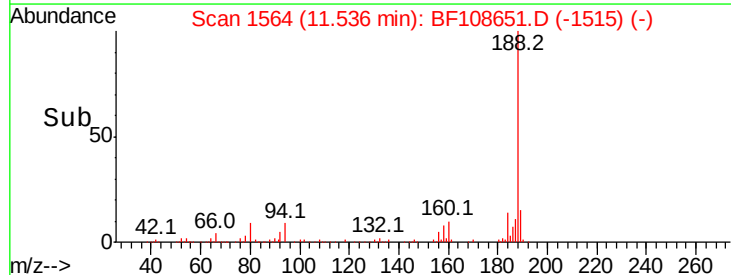
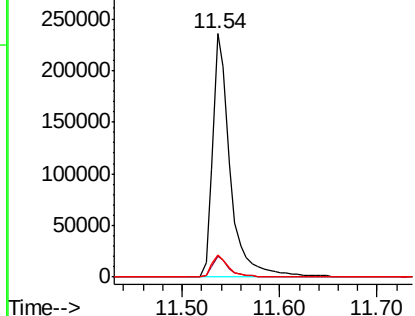


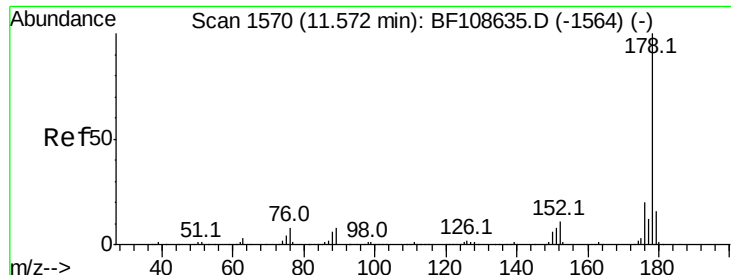
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

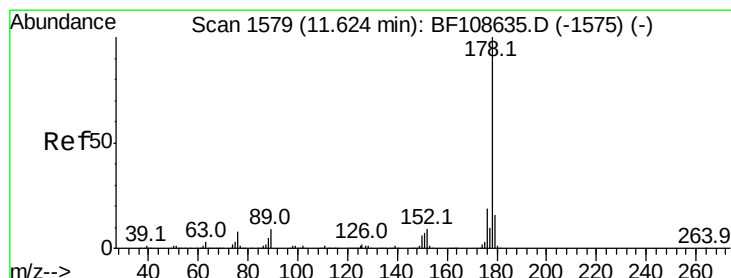
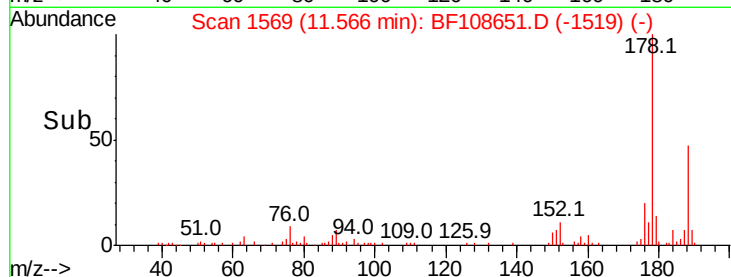
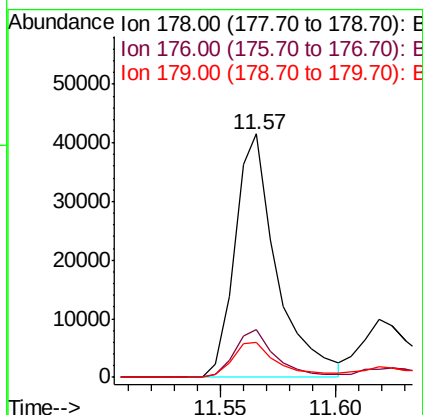
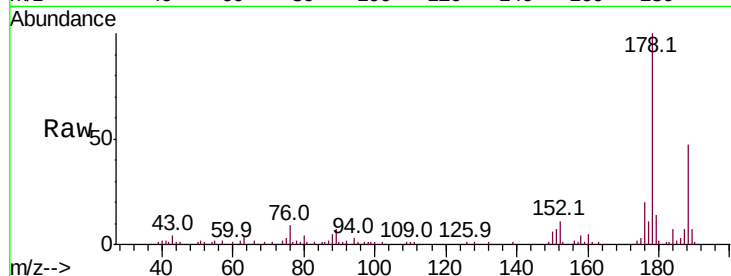




#70
Phenanthrene
Concen: 3.505 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

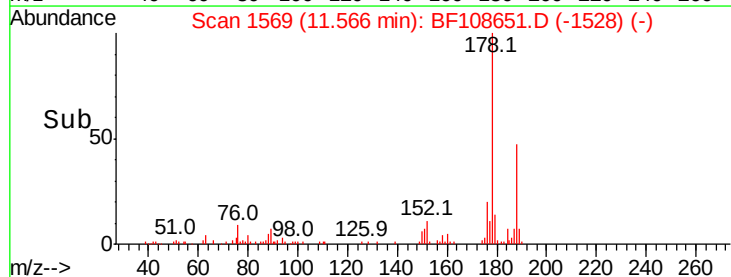
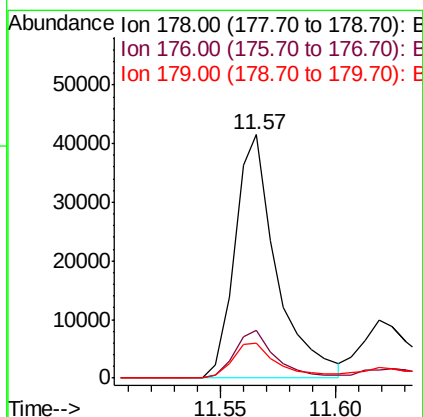
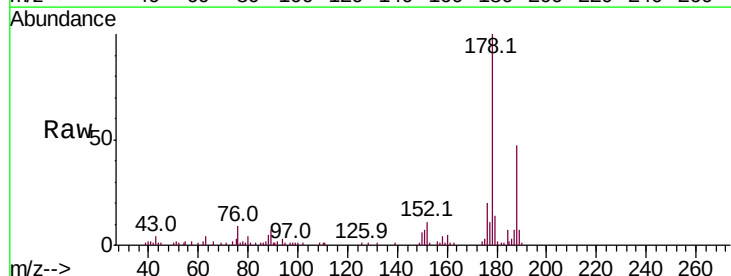
Instrument :
BNA_F
ClientSampled :

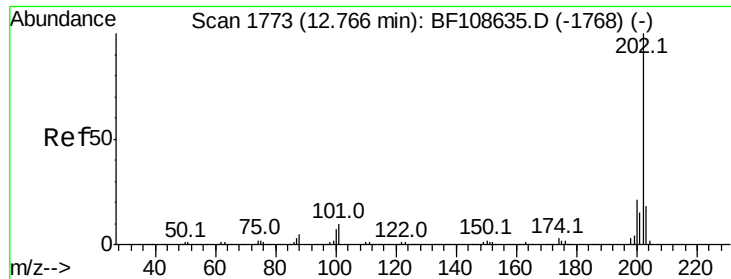
Tot Ion:178 Resp: 52145
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 14.5 13.0 19.6



#71
Anthracene
Concen: 3.335 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.06 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

Tgt Ion:178 Resp: 52145
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 14.5 12.6 19.0





#74

Fluoranthene

Concen: 9.488 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108651.D

Acq: 30 Aug 2018 20:17

Instrument :

BNA_F

ClientSampleId :

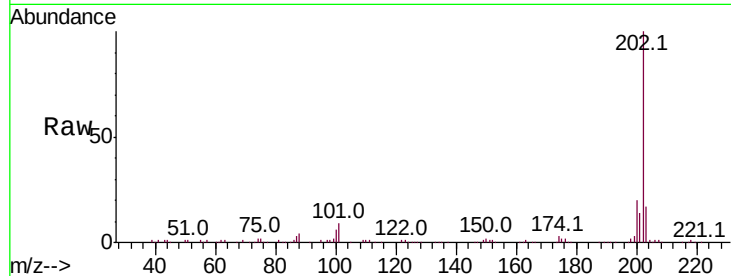
Tot Ion:202 Resp: 158909

Ion Ratio Lower Upper

202 100

101 8.5 0.0 34.1

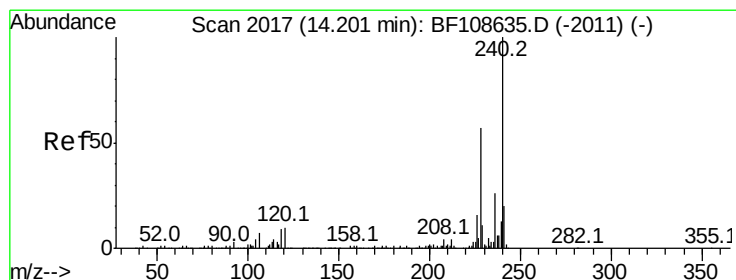
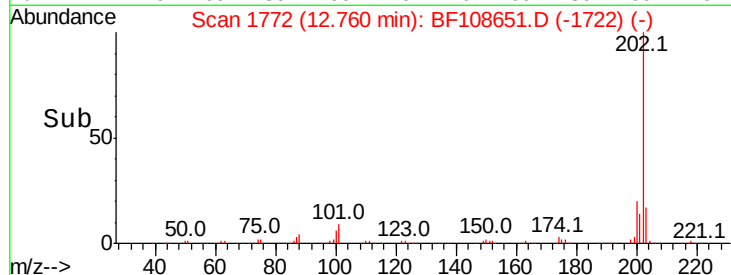
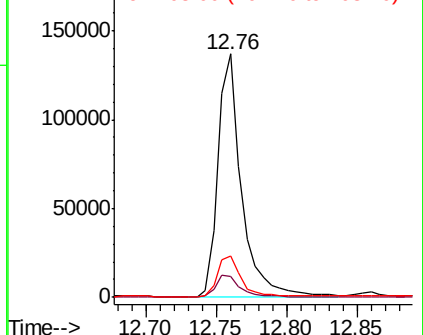
203 17.0 0.0 38.1



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: BF108651.D

Acq: 30 Aug 2018 20:17

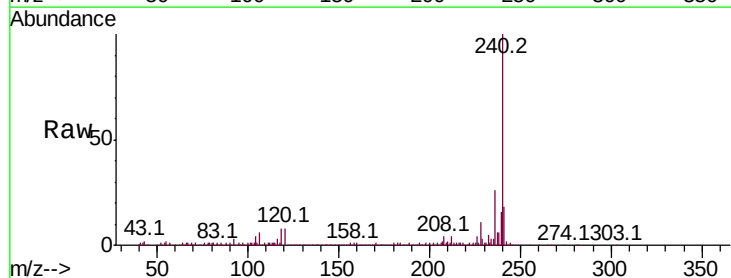
Tgt Ion:240 Resp: 277310

Ion Ratio Lower Upper

240 100

120 8.2 9.5 14.3#

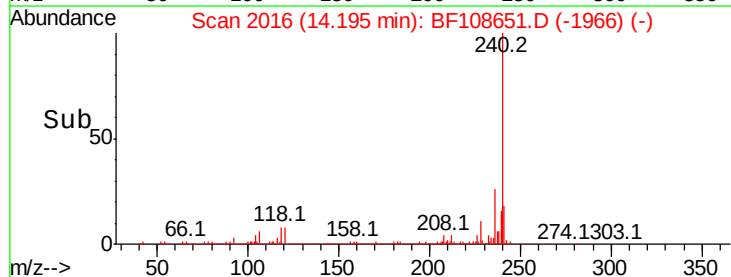
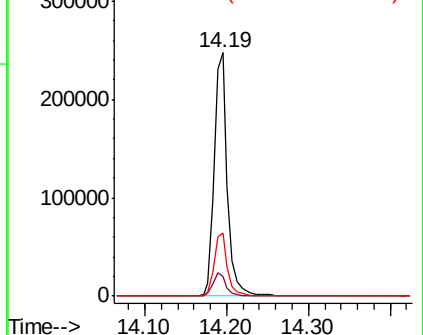
236 25.8 20.7 31.1

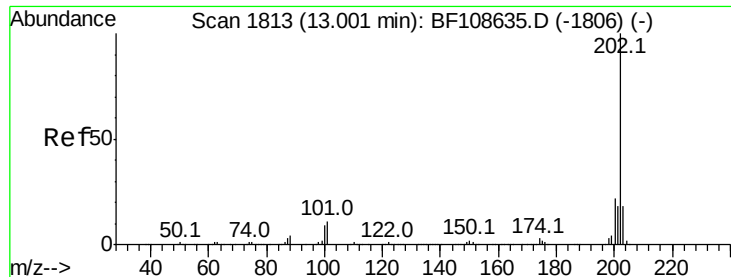


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.281 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108651.D

Acq: 30 Aug 2018 20:17

Instrument :

BNA_F

ClientSampleId :

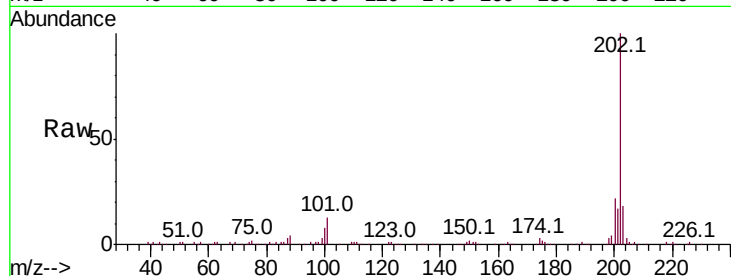
Tot Ion:202 Resp: 172623

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

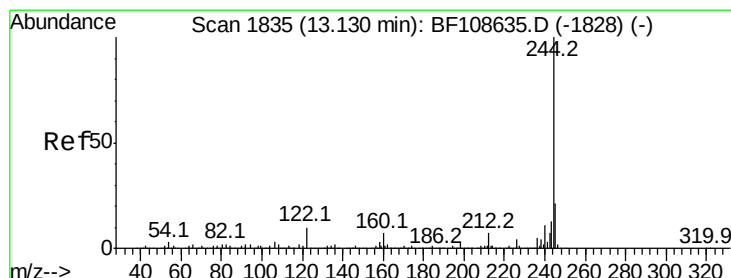
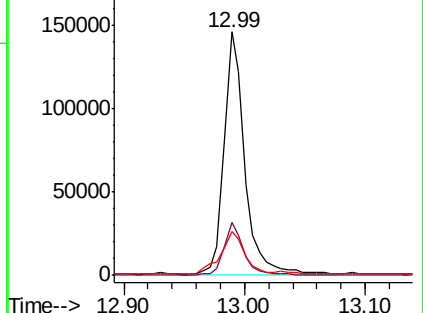
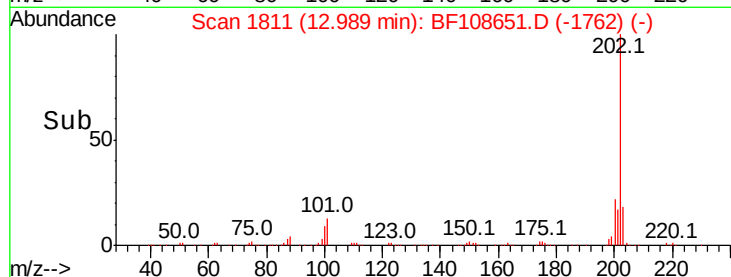
203 18.1 14.3 21.5



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: 6.647 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108651.D

Acq: 30 Aug 2018 20:17

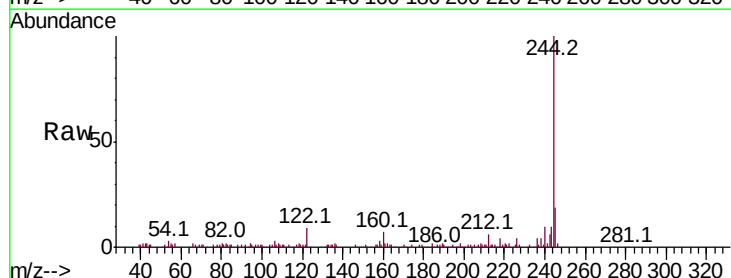
Tgt Ion:244 Resp: 94870

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

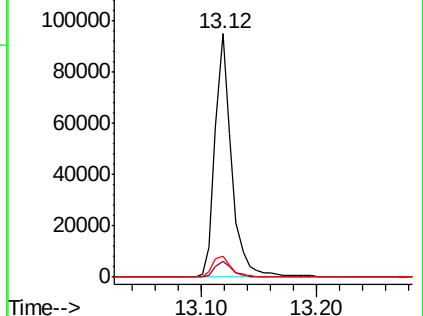
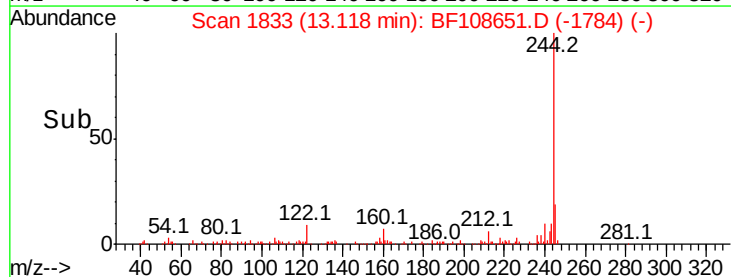
122 8.6 11.0 16.4#

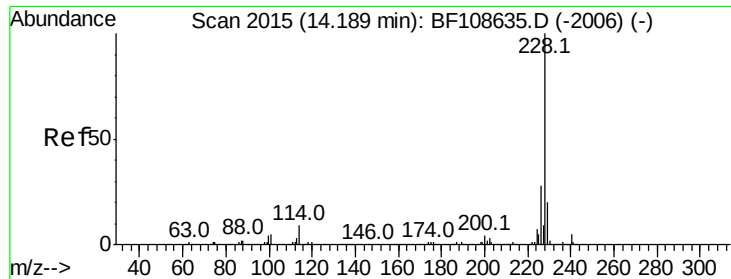


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

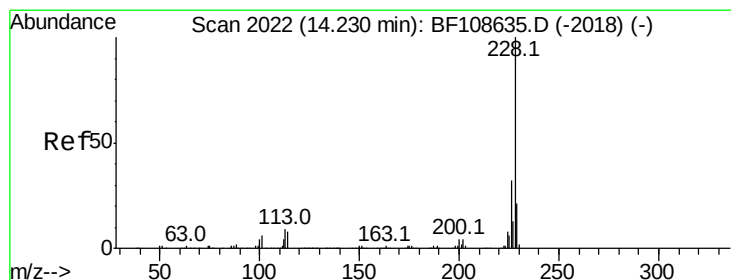
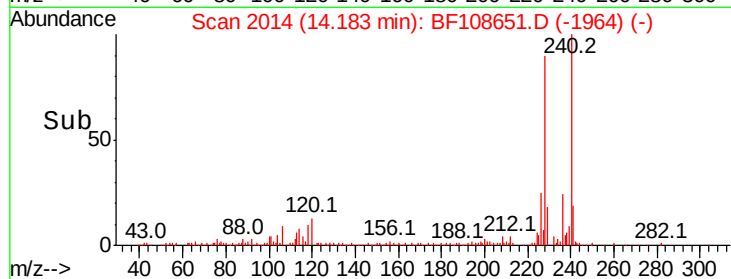
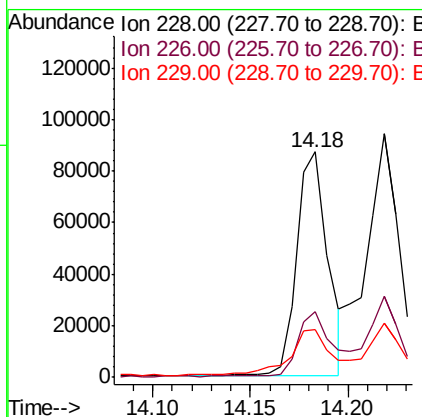
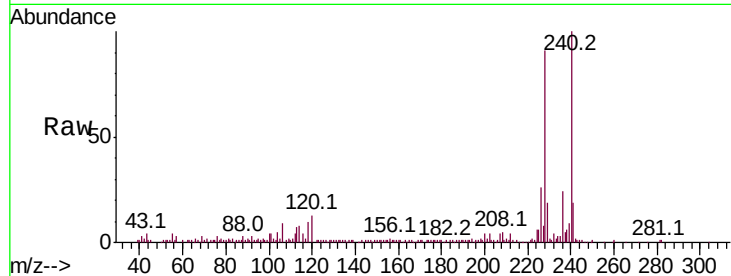




#80
Benzo(a)anthracene
Concen: 5.708 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

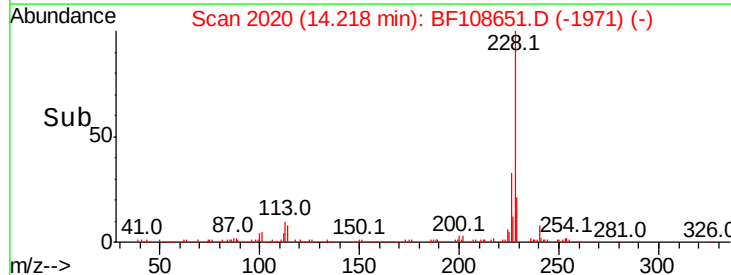
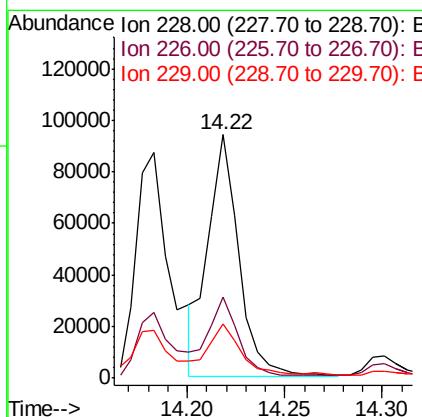
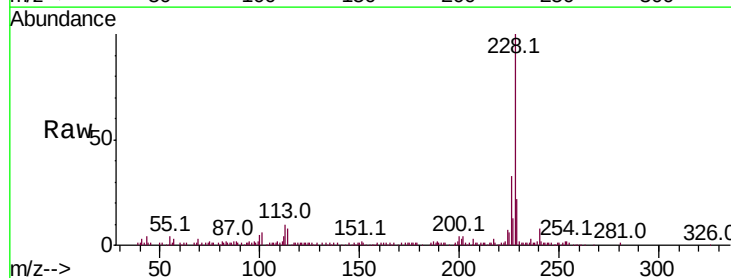
Instrument :
BNA_F
ClientSampleId :

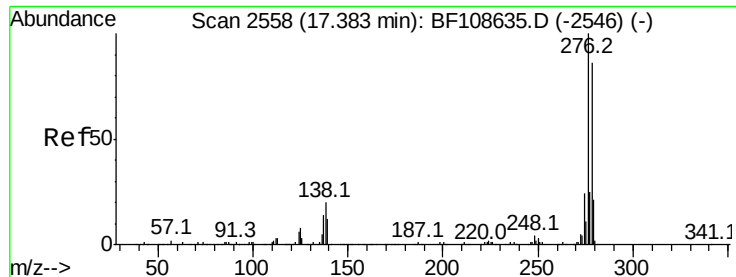
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	21.4	15.8	23.6



#82
Chrysene
Concen: 6.414 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	25.0	37.6
229	22.4	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.175 ng

RT: 17.36 min Scan# 2554

Delta R.T. -0.02 min

Lab File: BF108651.D

Acq: 30 Aug 2018 20:17

Instrument :

BNA_F

ClientSampleId :

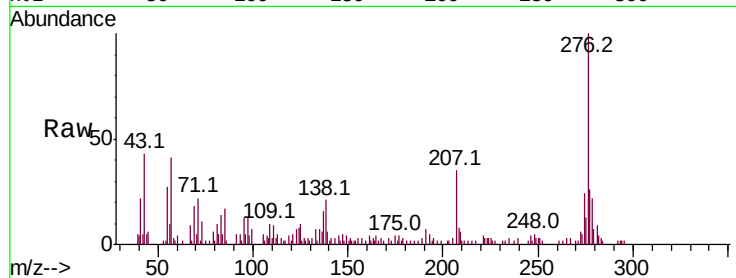
Tot Ion:276 Resp: 47190

Ion Ratio Lower Upper

276 100

138 18.6 25.0 37.6#

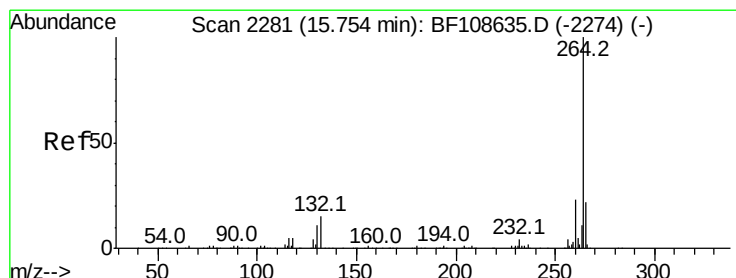
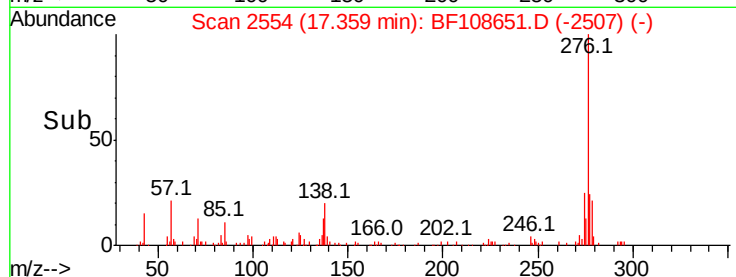
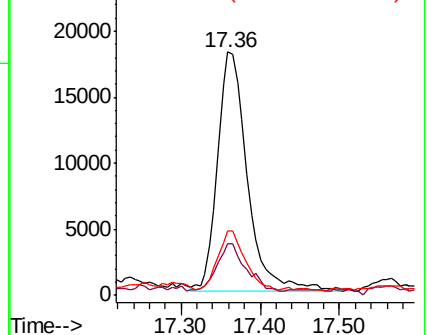
277 22.2 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108651.D

Acq: 30 Aug 2018 20:17

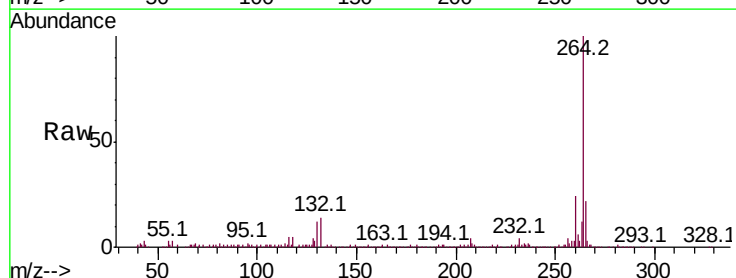
Tgt Ion:264 Resp: 269325

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

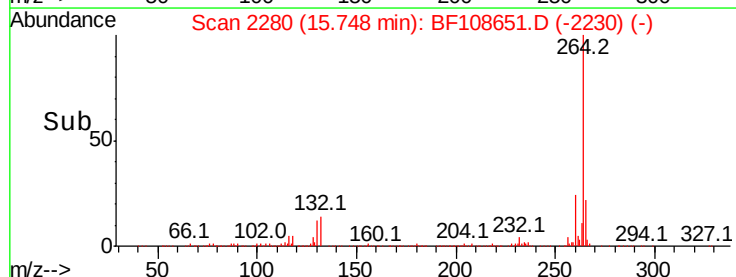
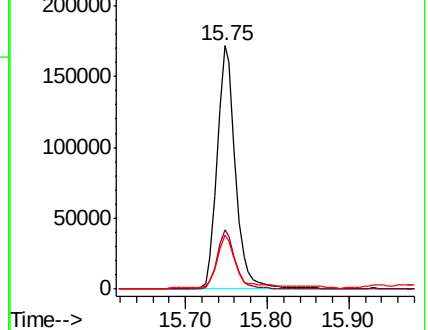
265 22.2 17.5 26.3

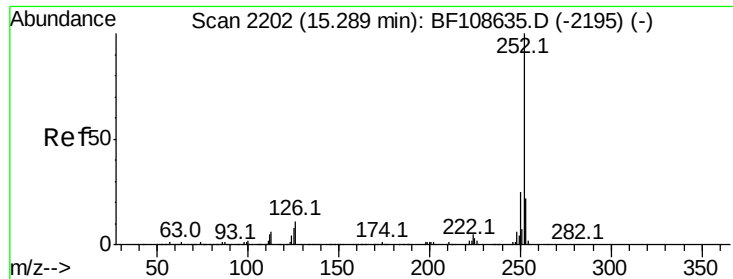


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

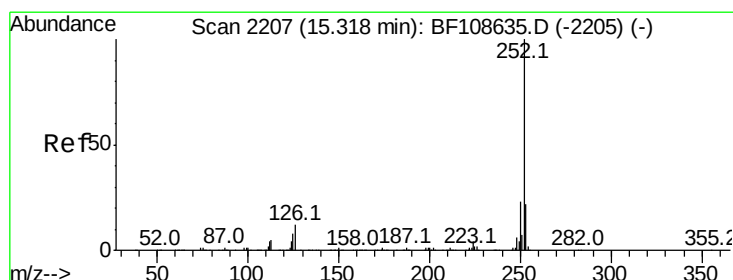
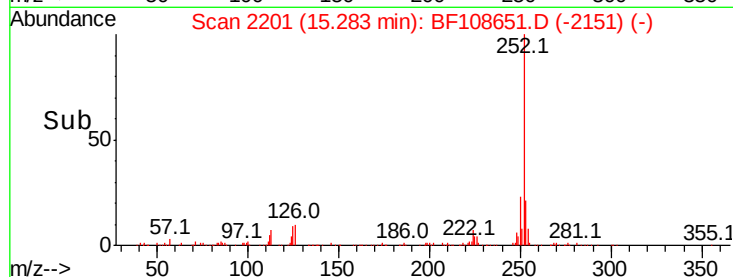
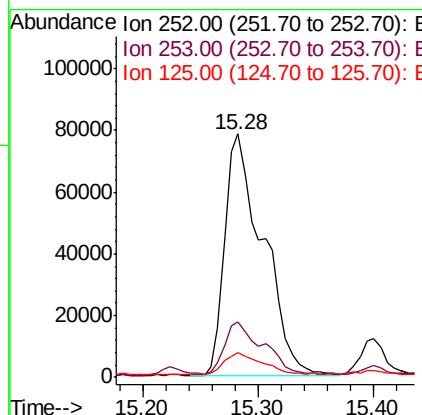
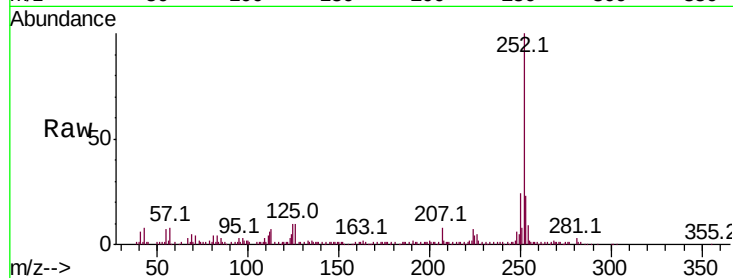




#87
Benzo(b)fluoranthene
Concen: 10.888 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

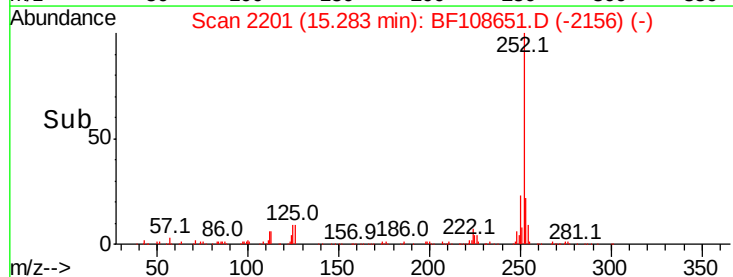
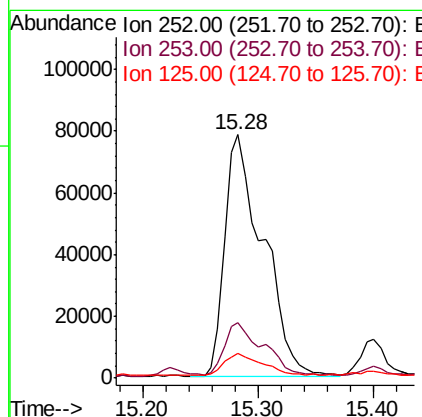
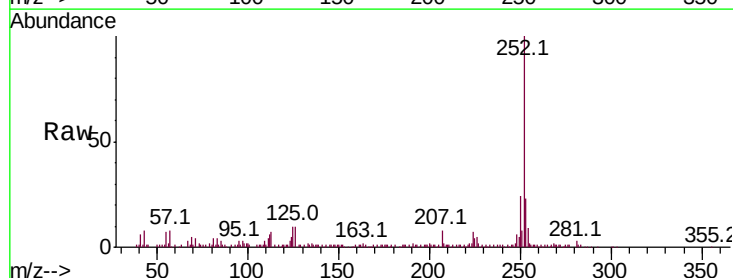
Instrument :
BNA_F
ClientSampleId :

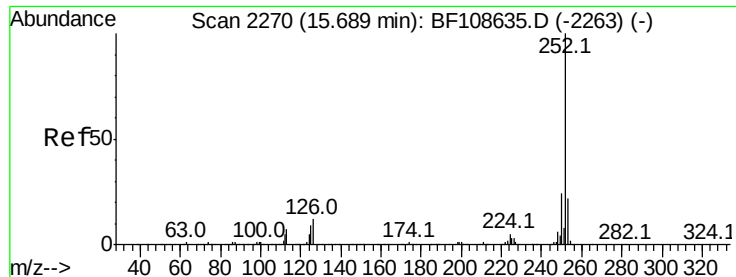
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	10.1	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 10.991 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	10.1	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 6.571 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF108651.D

Acq: 30 Aug 2018 20:17

Instrument :

BNA_F

ClientSampleId :

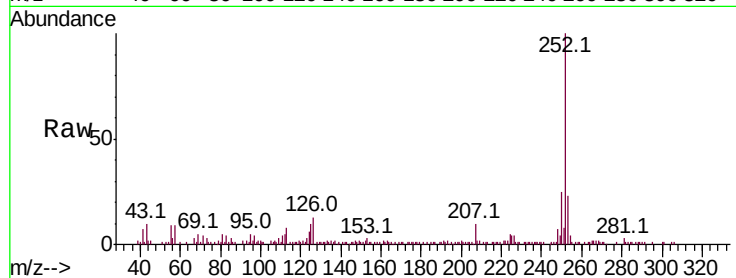
Tot Ion:252 Resp: 98244

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

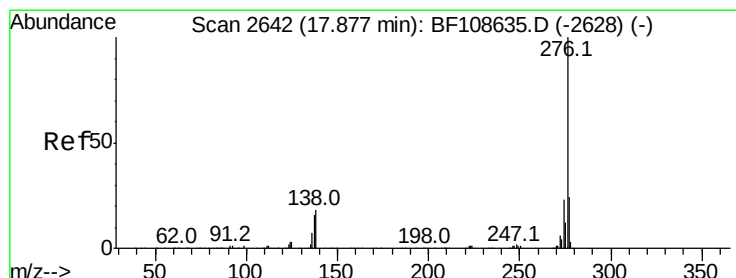
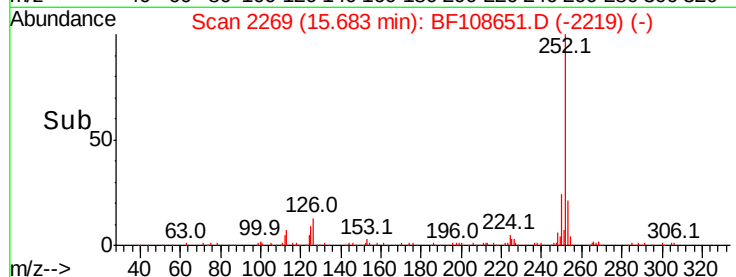
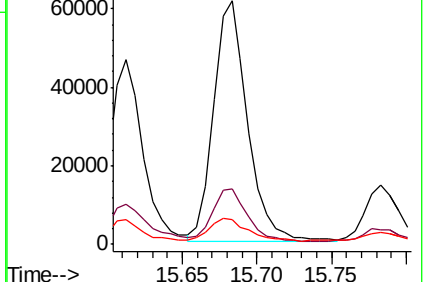
125 10.4 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 3.794 ng

RT: 17.86 min Scan# 2639

Delta R.T. -0.02 min

Lab File: BF108651.D

Acq: 30 Aug 2018 20:17

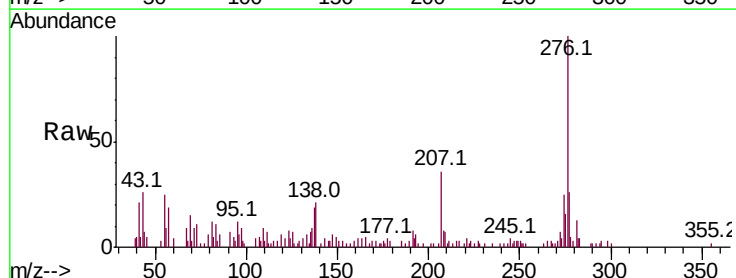
Tgt Ion:276 Resp: 44030

Ion Ratio Lower Upper

276 100

277 25.5 17.9 26.9

138 20.6 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

