

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108763.D
 Acq On : 5 Sep 2018 3:46
 Operator : JU/SJ
 Sample : J4712-13DL5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 08:02:58 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

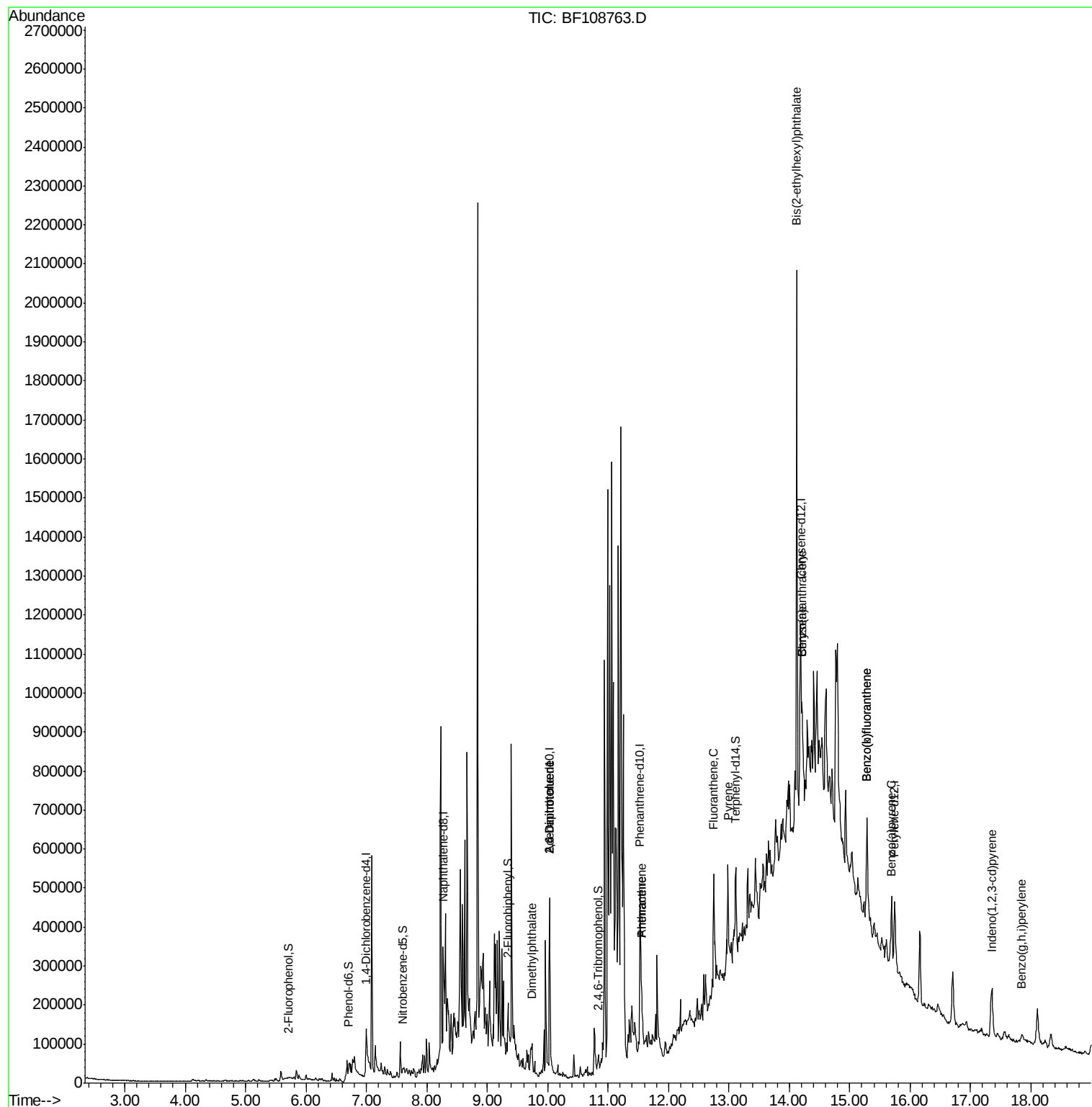
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	54957	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	240070	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	119885	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	255857	20.00	ng	-0.02
75) Chrysene-d12	14.18	240	182386	20.00	ng	-0.02
86) Perylene-d12	15.74	264	136396	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	8547	2.70	ng	0.05
7) Phenol-d6	6.70	99	22855	5.04	ng	0.05
23) Nitrobenzene-d5	7.61	82	35572	7.52	ng	0.04
41) 2,4,6-Tribromophenol	10.84	330	17719	11.20	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	84891	9.52	ng	-0.02
78) Terphenyl-d14	13.11	244	104289	11.11	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.74	163	22384	2.371	ng	99
50) 2,6-Dinitrotoluene	10.03	165	14898	7.159	ng	# 24
56) 2,4-Dinitrotoluene	10.03	165	15049	5.462	ng	# 21
70) Phenanthrene	11.56	178	50298	3.895	ng	99
71) Anthracene	11.56	178	50298	3.707	ng	98
74) Fluoranthene	12.75	202	198883	13.681	ng	95
77) Pyrene	12.98	202	155595	11.349	ng	99
80) Benzo(a)anthracene	14.21	228	79343	7.136	ng	95
82) Chrysene	14.21	228	79343	7.420	ng	96
83) Bis(2-ethylhexyl)phthalate	14.12	149	349865	47.213	ng	99
85) Indeno(1,2,3-cd)pyrene	17.37	276	33236	4.470	ng	# 91
87) Benzo(b)fluoranthene	15.28	252	106390	12.698	ng	# 89
88) Benzo(k)fluoranthene	15.28	252	106390	12.818	ng	# 92
89) Benzo(a)pyrene	15.68	252	37421	4.942	ng	# 78
91) Benzo(a,h,i)perylene	17.85	276	35275	6.002	ng	# 92

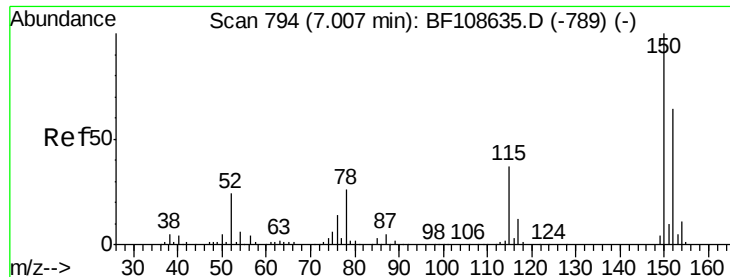
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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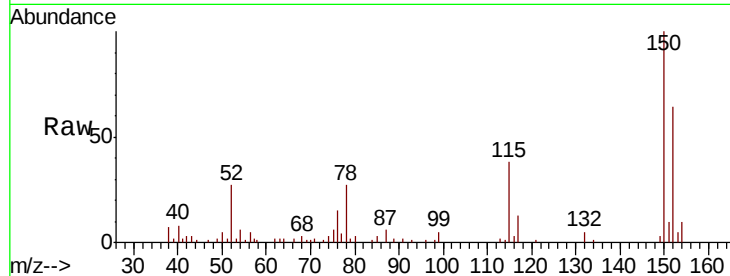


#1

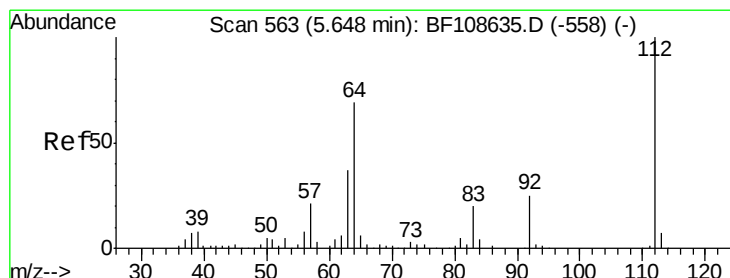
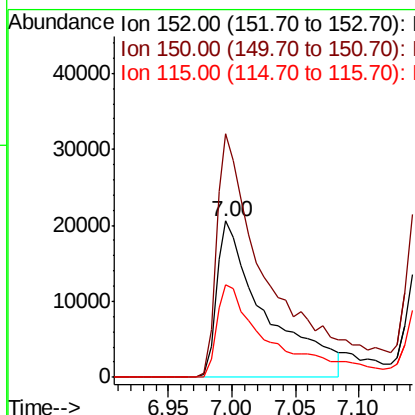
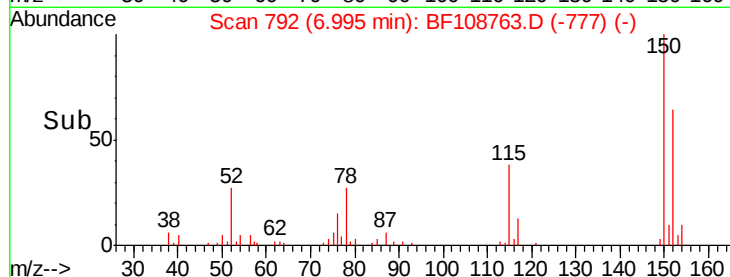
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	59.3	50.1	75.1



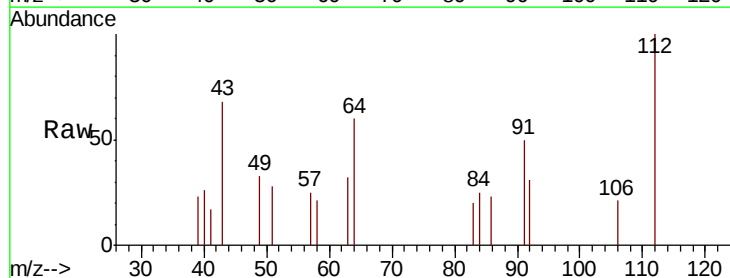
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



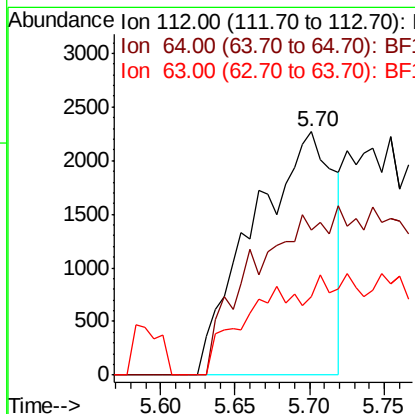
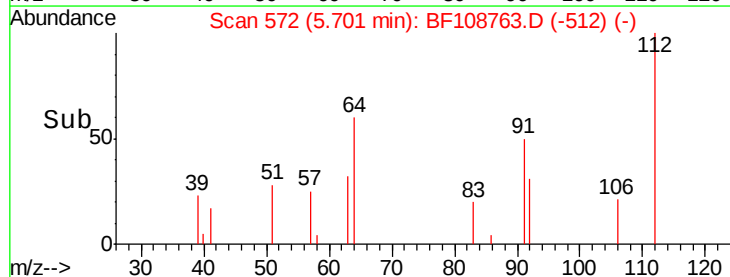
#5

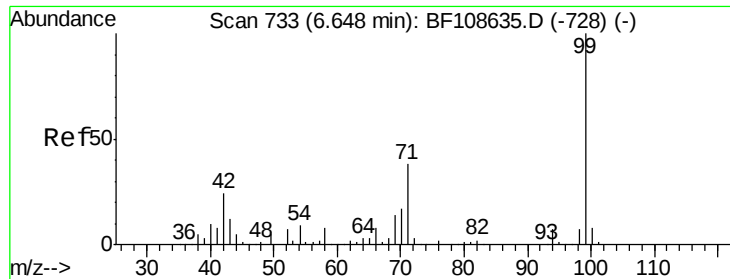
2-Fluorophenol
Concen: 2.702 ng
RT: 5.70 min Scan# 572
Delta R.T. 0.05 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.9	71.9
63	32.2	23.7	35.5



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





#7

Phenol-d6

Concen: 5.044 ng

RT: 6.70 min Scan# 741

Delta R.T. 0.05 min

Lab File: BF108763.D

Acq: 5 Sep 2018 3:46

Instrument :

BNA_F

ClientSampleId :

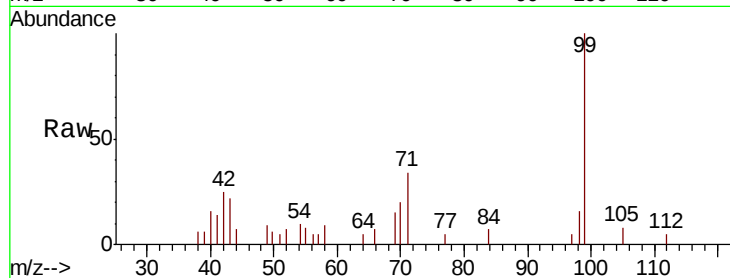
Tot Ion: 99 Resp: 22855

Ion Ratio Lower Upper

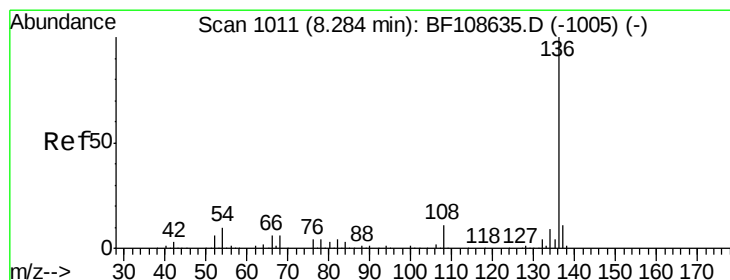
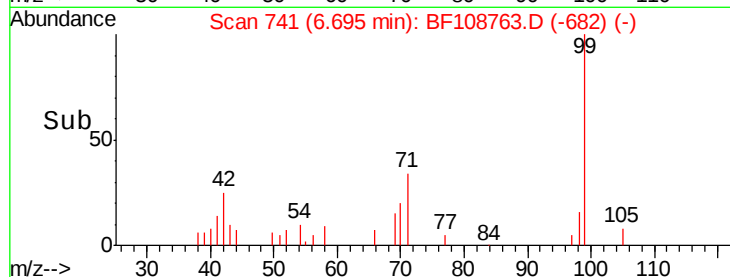
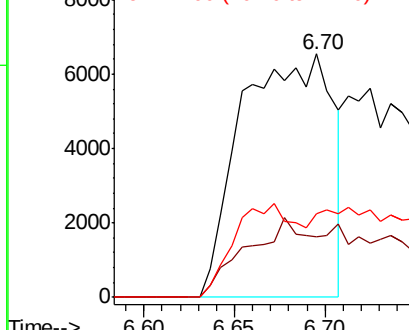
99 100

42 24.8 14.5 21.7#

71 34.2 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: BF108763.D

Acq: 5 Sep 2018 3:46

Tgt Ion: 136 Resp: 240070

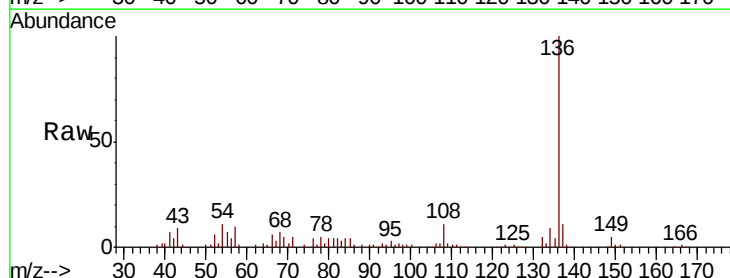
Ion Ratio Lower Upper

136 100

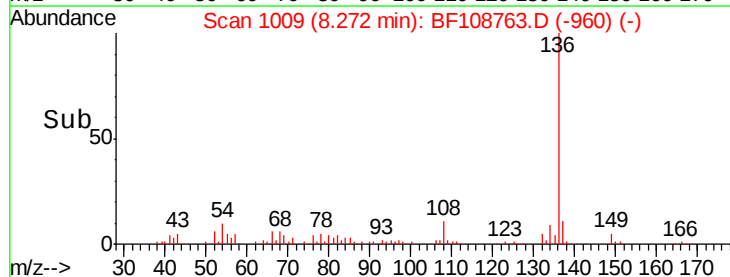
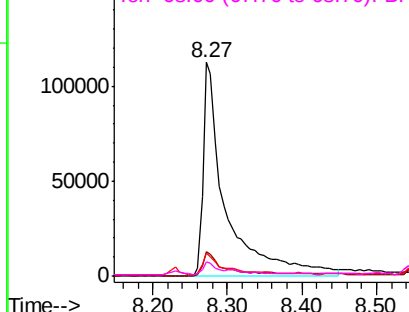
137 11.4 8.9 13.3

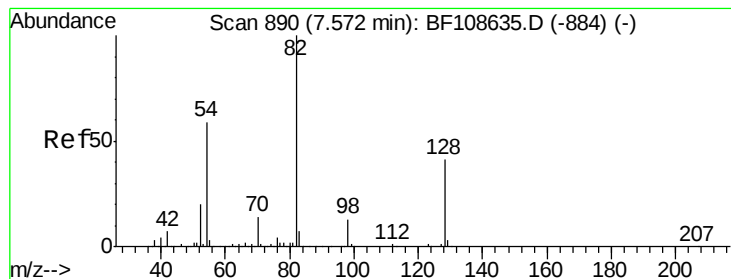
54 10.7 6.6 9.8#

68 6.6 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: 7.521 ng

RT: 7.61 min Scan# 896

Delta R.T. 0.04 min

Lab File: BF108763.D

Acq: 5 Sep 2018 3:46

Instrument :

BNA_F

ClientSampleId :

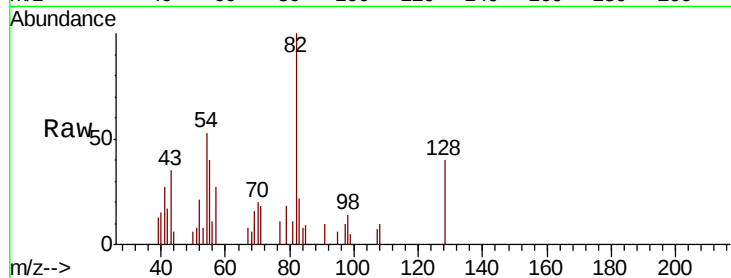
Tot Ion: 82 Resp: 35572

Ion Ratio Lower Upper

82 100

128 39.8 36.1 54.1

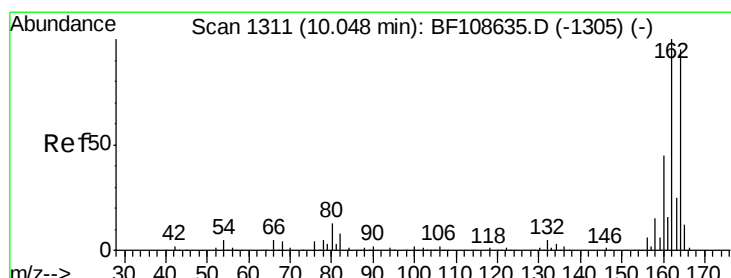
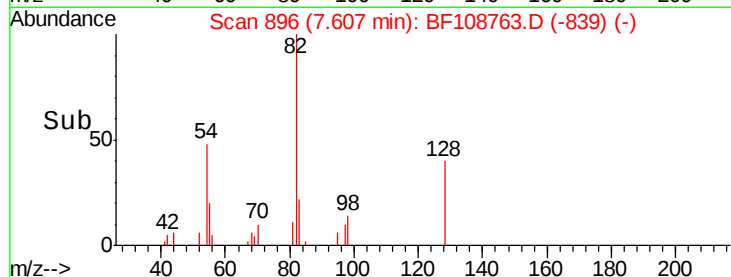
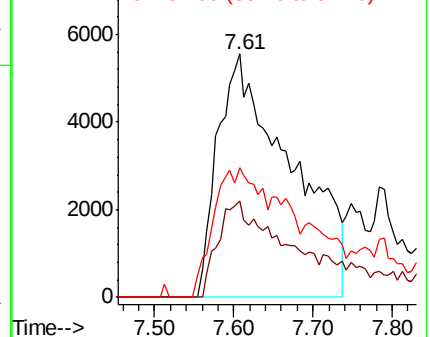
54 53.1 41.4 62.2



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: BF108763.D

Acq: 5 Sep 2018 3:46

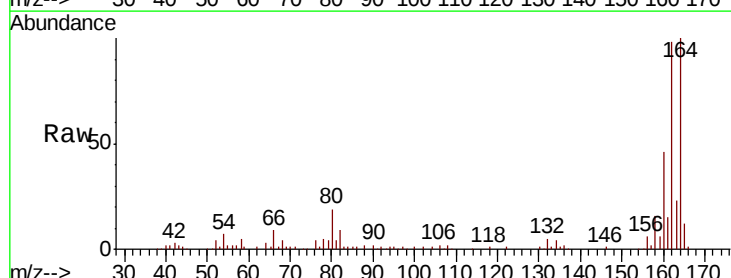
Tgt Ion: 164 Resp: 119885

Ion Ratio Lower Upper

164 100

162 98.4 86.1 129.1

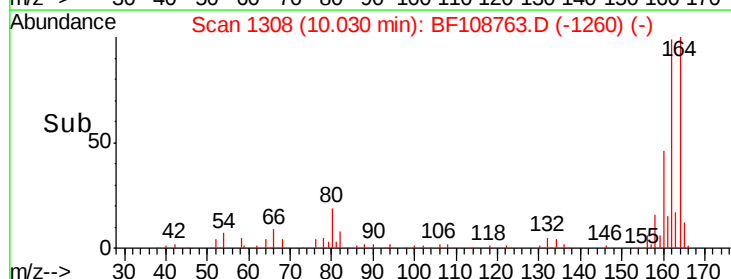
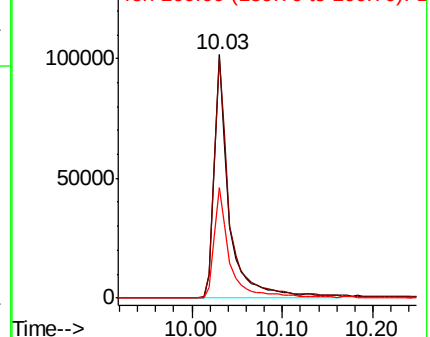
160 45.6 38.3 57.5

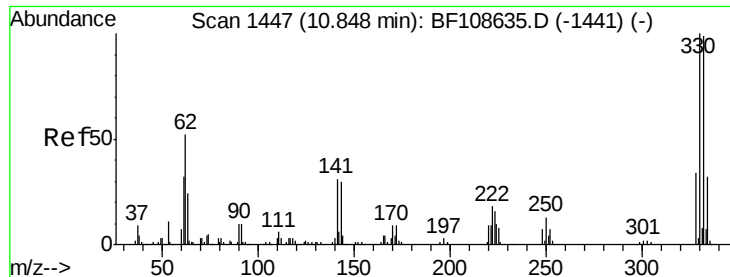


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

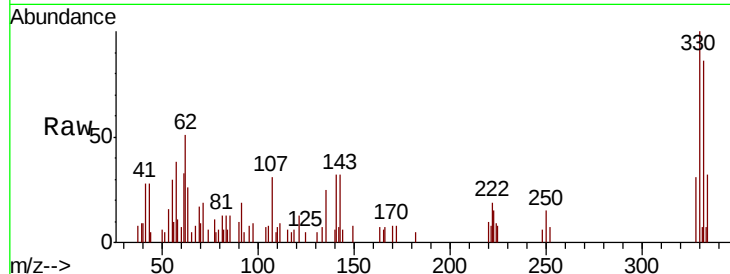




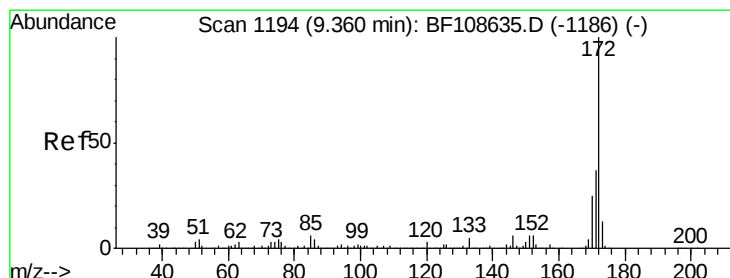
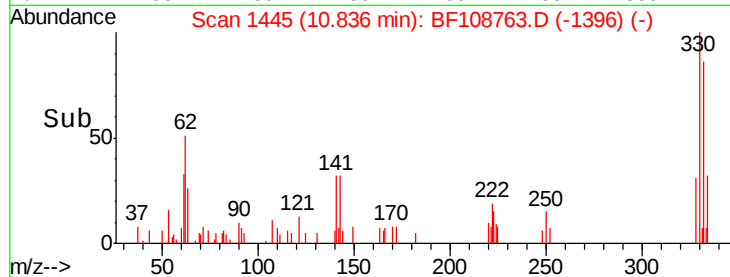
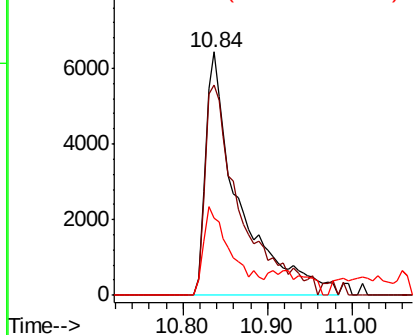
#41
 2,4,6-Tribromophenol
 Concen: 11.196 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108763.D
 Acq: 5 Sep 2018 3:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 17719
 Ion Ratio Lower Upper
 330 100
 332 91.6 77.0 115.6
 141 31.1 29.9 44.9

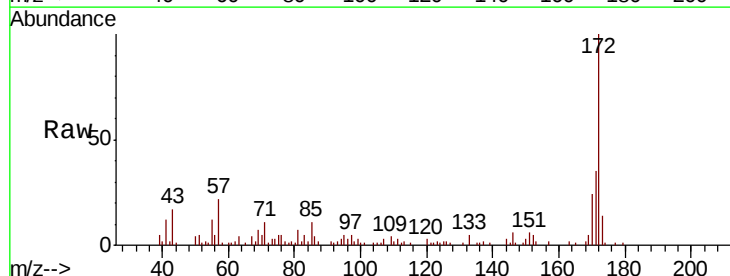


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

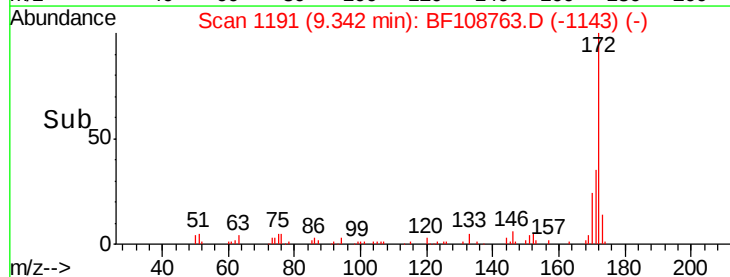
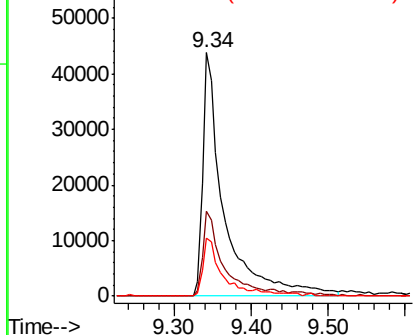


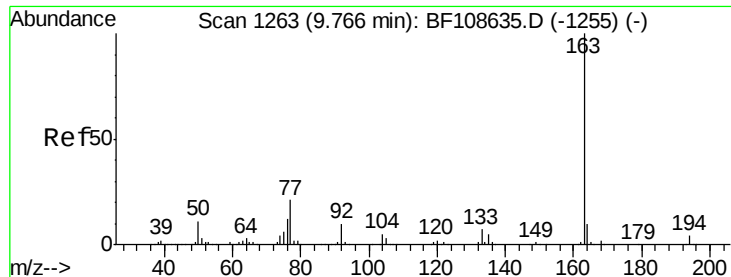
#44
 2-Fluorobiphenyl
 Concen: 9.521 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF108763.D
 Acq: 5 Sep 2018 3:46

Tgt Ion:172 Resp: 84891
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.7 44.5
 170 23.9 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

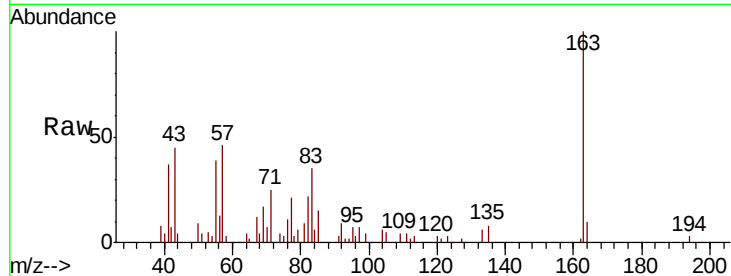




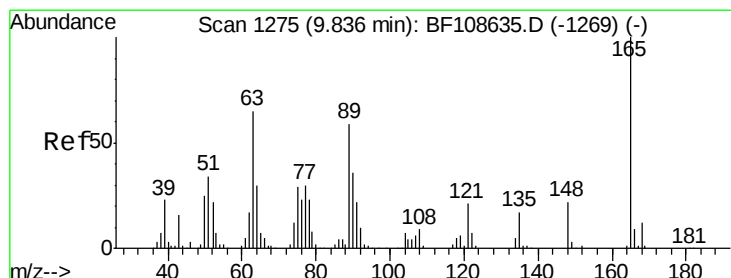
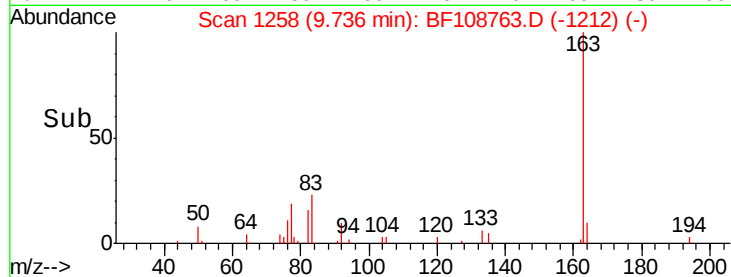
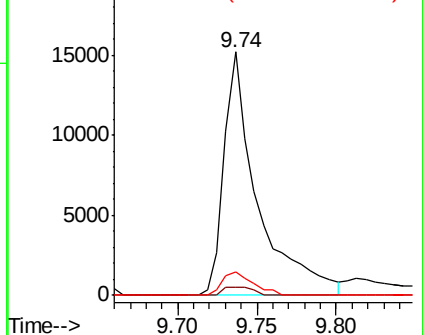
#49
Dimethylphthalate
Concen: 2.371 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 22384
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 9.7 8.2 12.2

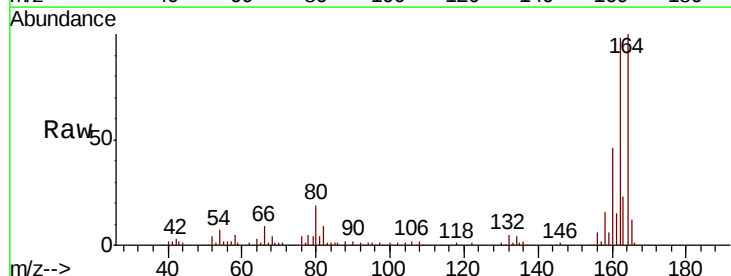


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

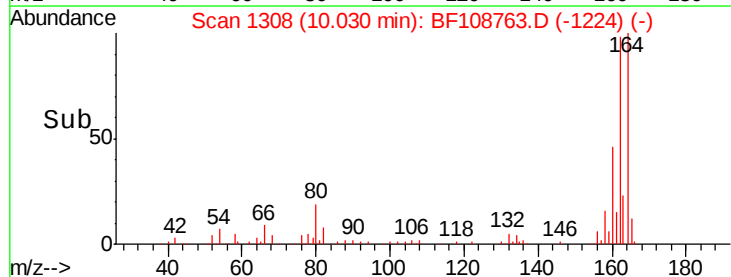
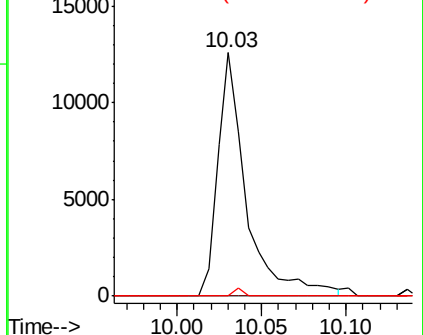


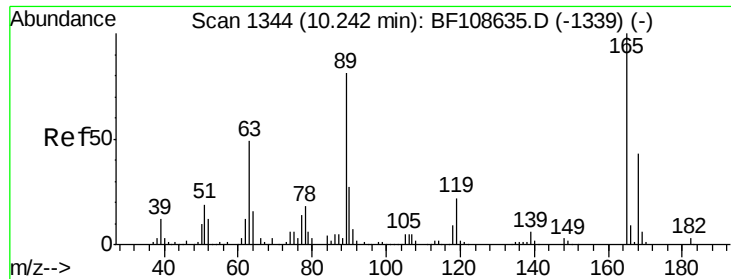
#50
2,6-Dinitrotoluene
Concen: 7.159 ng
RT: 10.03 min Scan# 1308
Delta R.T. 0.19 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion:165 Resp: 14898
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

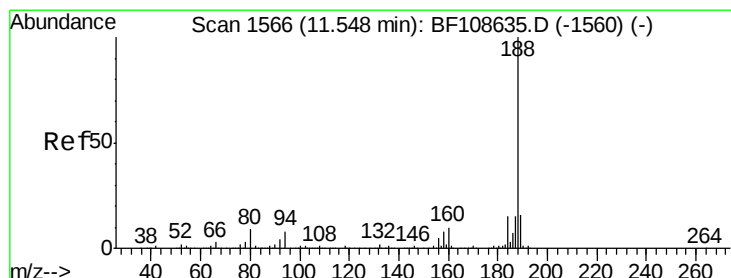
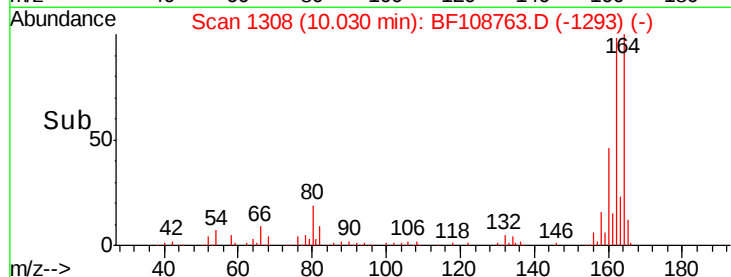
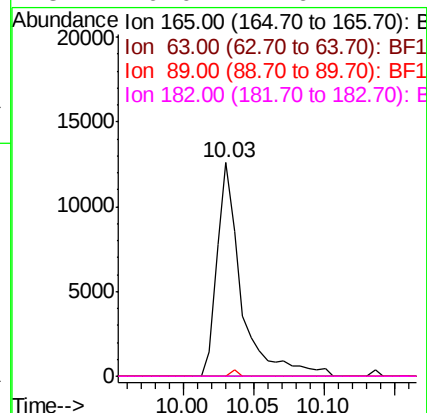
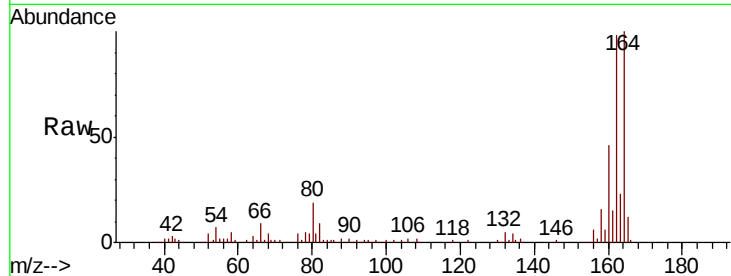




#56
2,4-Dinitrotoluene
Concen: 5.462 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.21 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

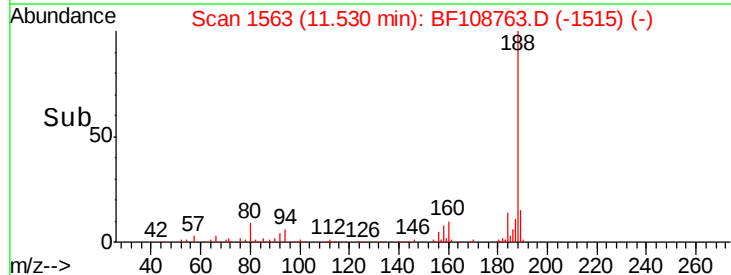
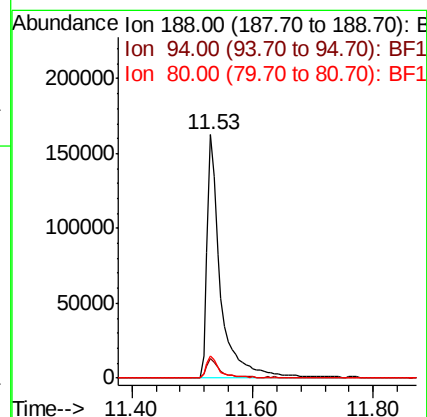
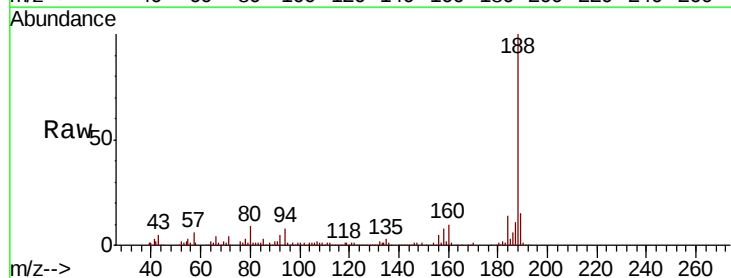
Instrument :
BNA_F
ClientSampleId :

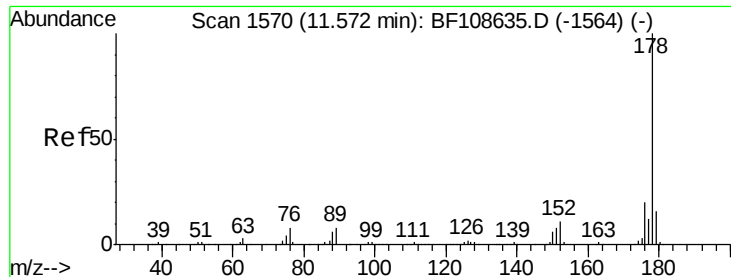
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.5	12.7#
80	9.0	9.2	13.8#

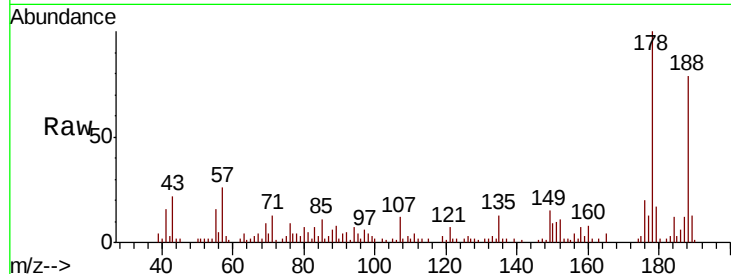




#70
Phenanthrene
Concen: 3.895 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	17.2	13.0	19.6

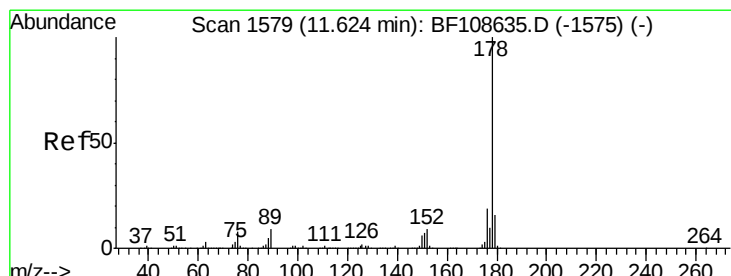
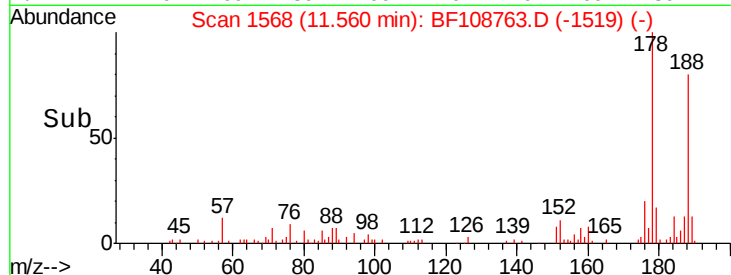
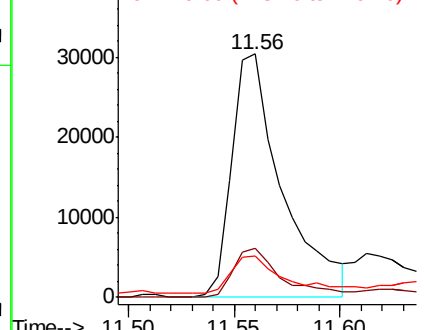


Abundance

Ion 178.00 (177.70 to 178.70): E

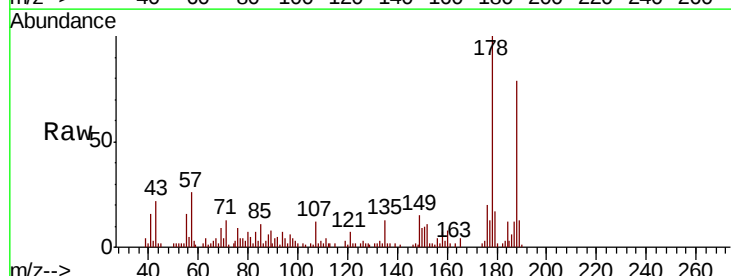
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71
Anthracene
Concen: 3.707 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.06 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.2
179	17.2	12.6	19.0

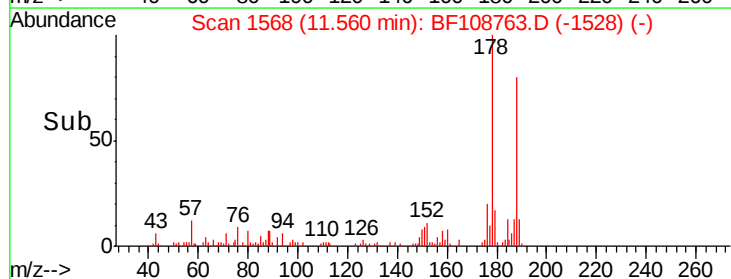
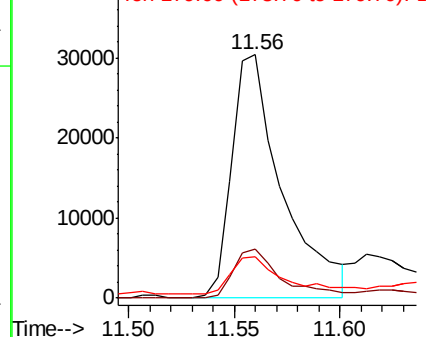


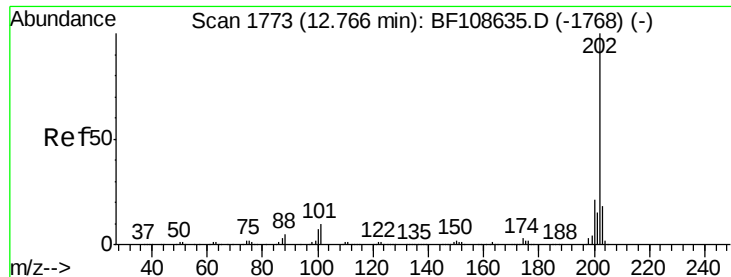
Abundance

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: 13.681 ng

RT: 12.75 min Scan# 1770

Delta R.T. -0.02 min

Lab File: BF108763.D

Acq: 5 Sep 2018 3:46

Instrument :

BNA_F

ClientSampleId :

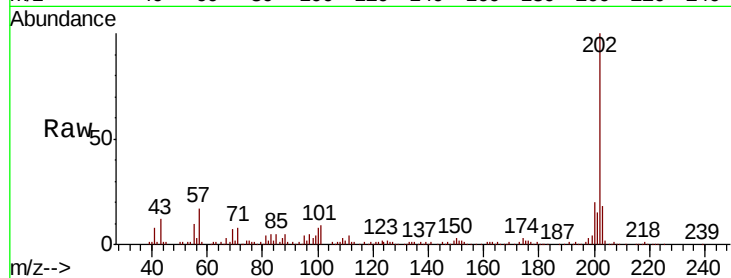
Tot Ion:202 Resp: 198883

Ion Ratio Lower Upper

202 100

101 9.3 0.0 34.1

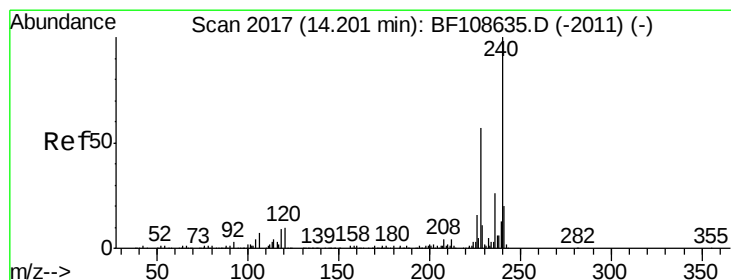
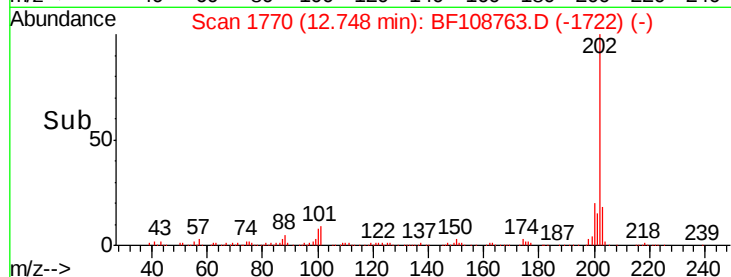
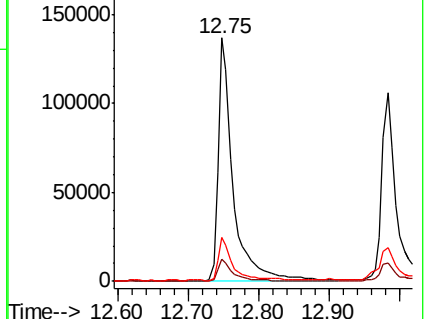
203 17.9 0.0 38.1



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: BF108763.D

Acq: 5 Sep 2018 3:46

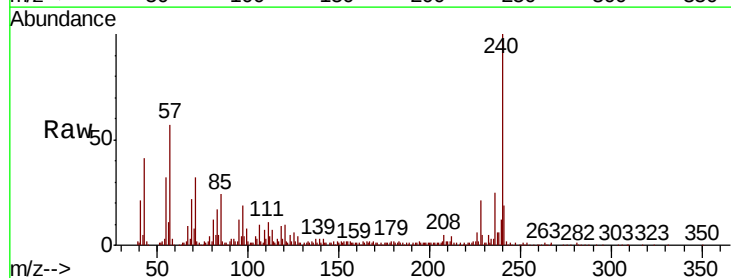
Tgt Ion:240 Resp: 182386

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

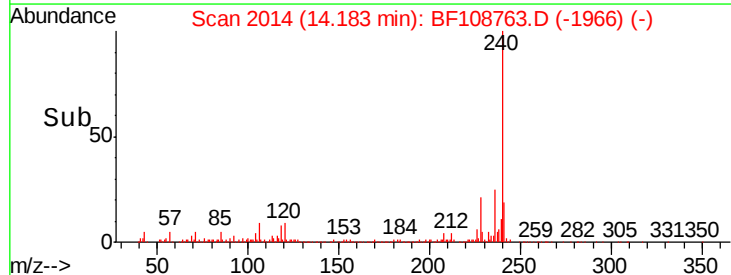
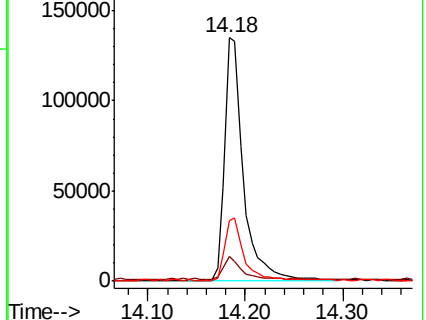
236 25.0 20.7 31.1

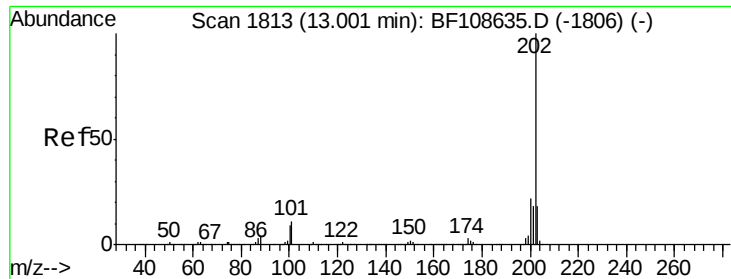


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 11.349 ng

RT: 12.98 min Scan# 1810

Delta R.T. -0.02 min

Lab File: BF108763.D

Acq: 5 Sep 2018 3:46

Instrument :

BNA_F

ClientSampleId :

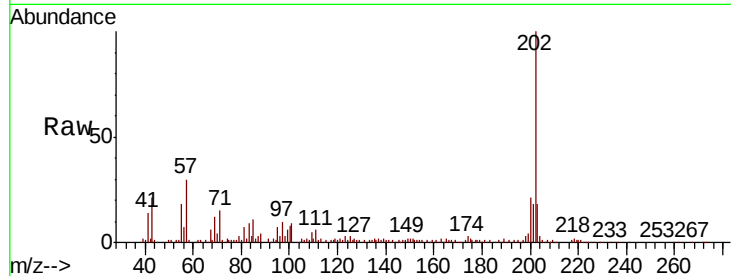
Tot Ion:202 Resp: 155595

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

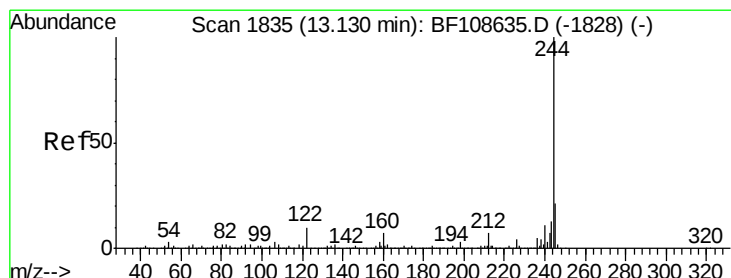
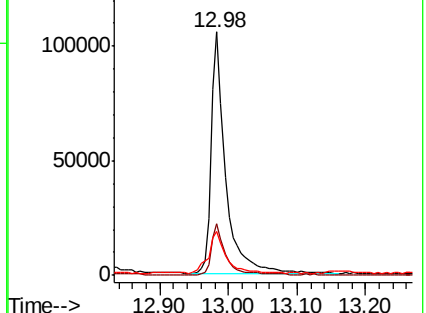
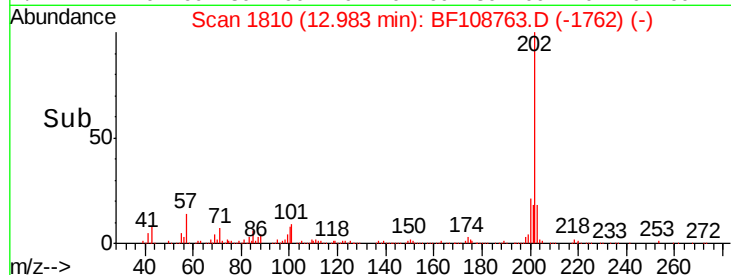
203 18.1 14.3 21.5



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: 11.110 ng

RT: 13.11 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BF108763.D

Acq: 5 Sep 2018 3:46

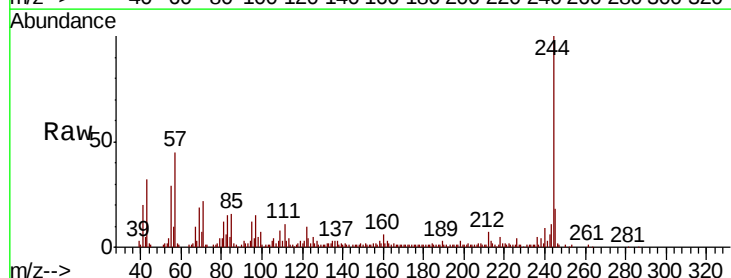
Tgt Ion:244 Resp: 104289

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

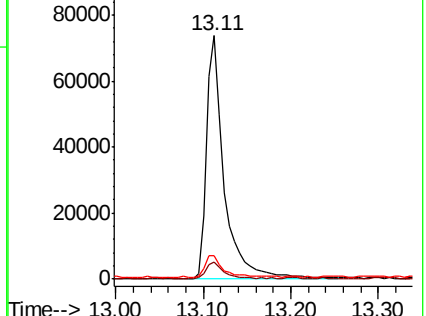
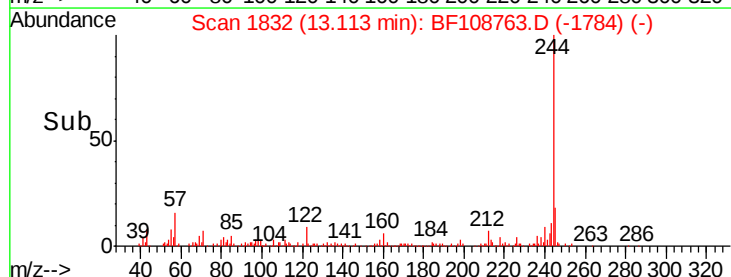
122 9.6 11.0 16.4#

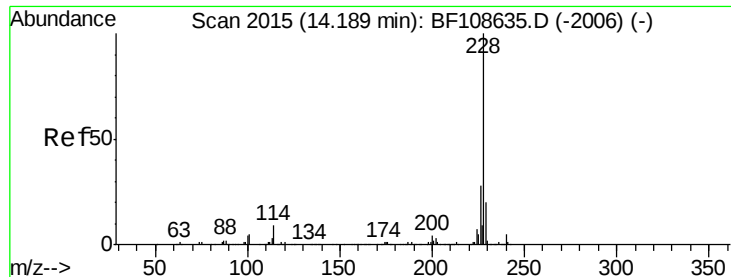


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

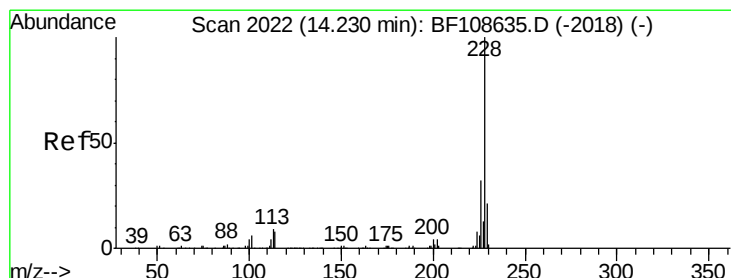
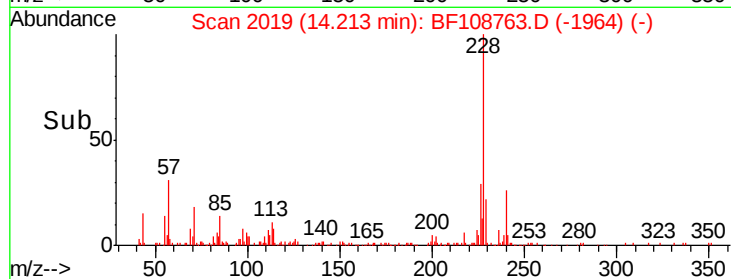
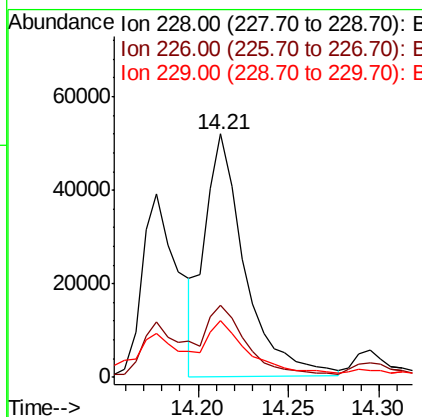
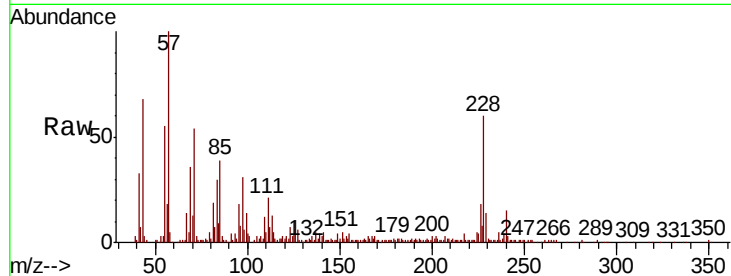




#80
Benzo(a)anthracene
Concen: 7.136 ng
RT: 14.21 min Scan# 2019
Delta R.T. 0.02 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

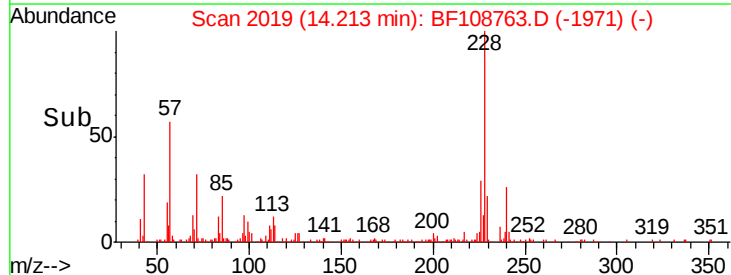
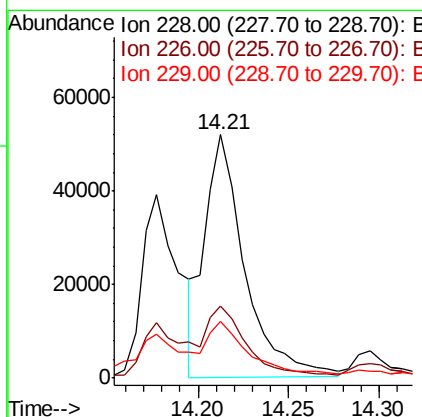
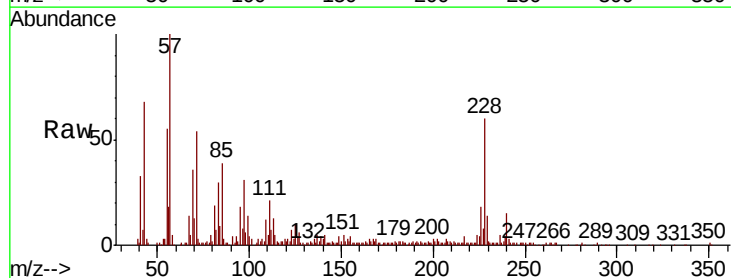
Instrument :
BNA_F
ClientSampleId :

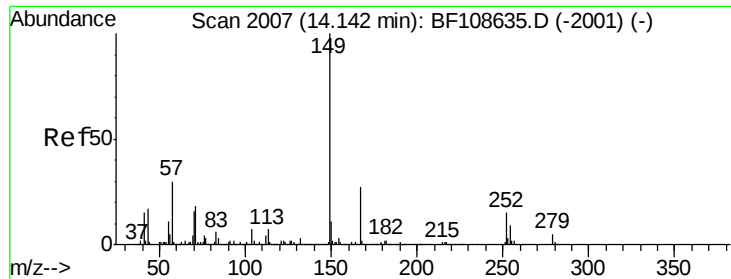
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	23.2	15.8	23.6



#82
Chrysene
Concen: 7.420 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	23.2	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 47.213 ng

RT: 14.12 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF108763.D

Acq: 5 Sep 2018 3:46

Instrument :

BNA_F

ClientSampled :

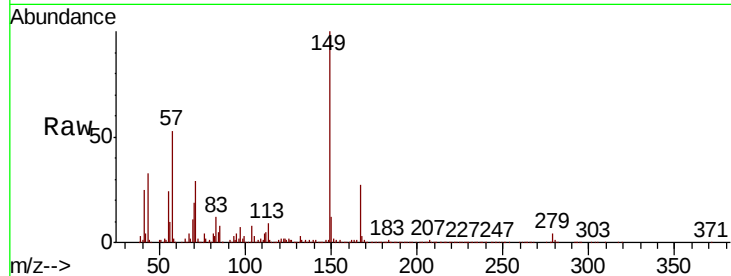
Tot Ion:149 Resp: 349865

Ion Ratio Lower Upper

149 100

167 27.2 21.3 31.9

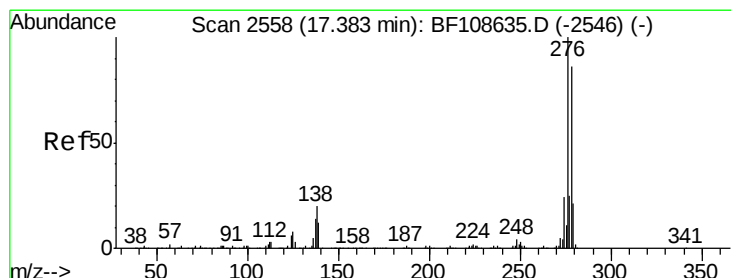
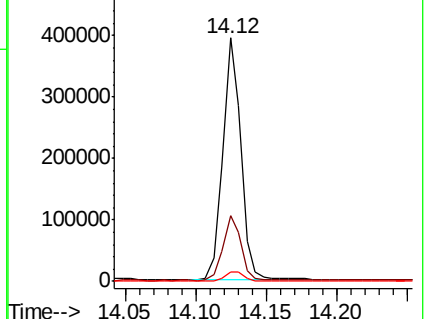
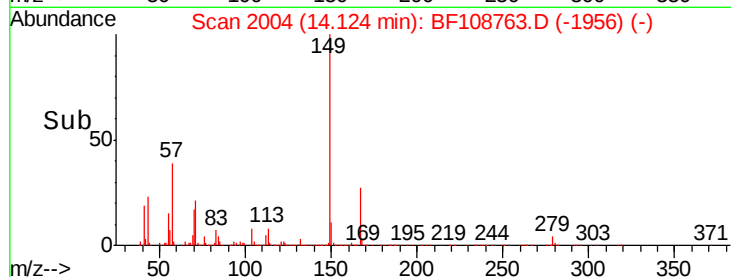
279 4.0 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.470 ng

RT: 17.37 min Scan# 2555

Delta R.T. -0.02 min

Lab File: BF108763.D

Acq: 5 Sep 2018 3:46

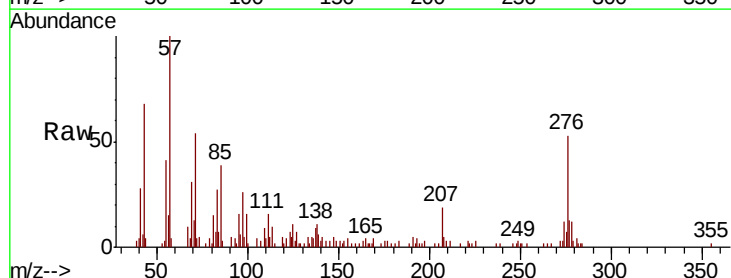
Tgt Ion:276 Resp: 33236

Ion Ratio Lower Upper

276 100

138 23.8 25.0 37.6#

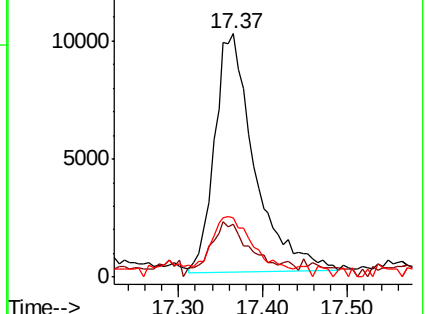
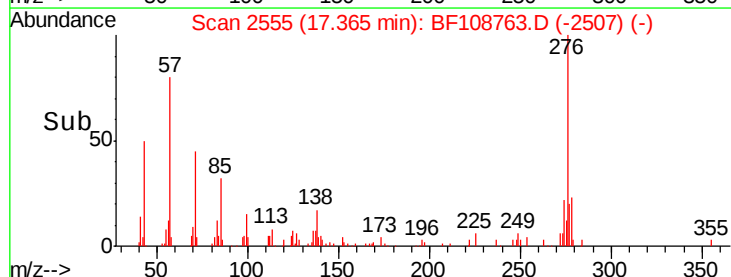
277 23.9 20.1 30.1

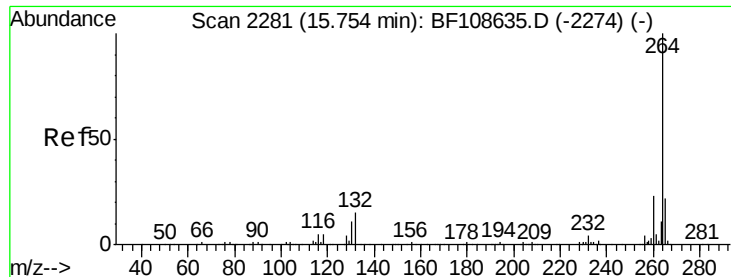


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

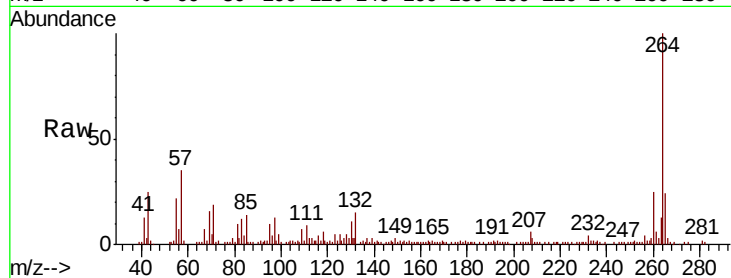




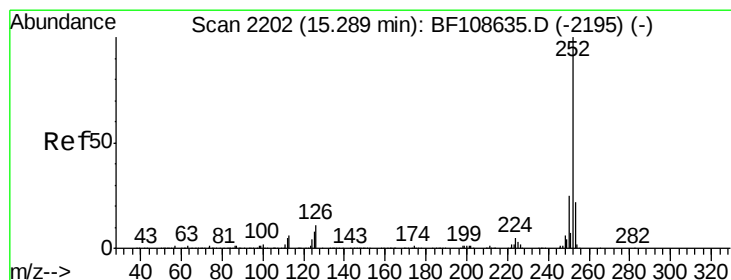
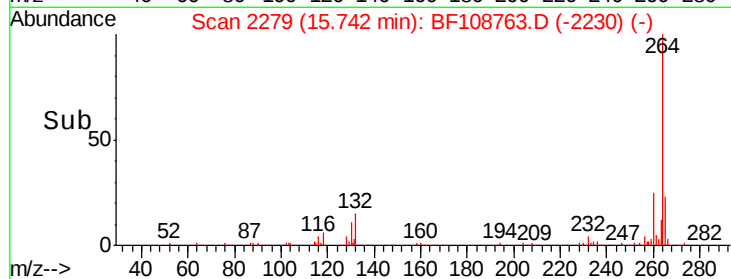
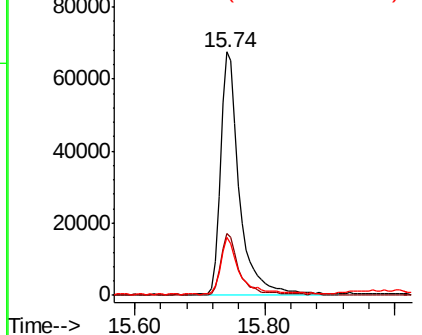
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 136396
Ion Ratio Lower Upper
264 100
260 25.3 19.2 28.8
265 23.8 17.5 26.3

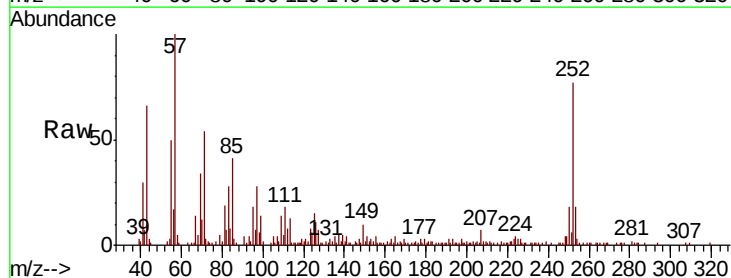


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

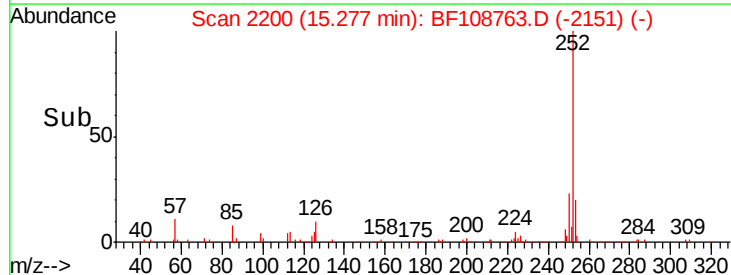
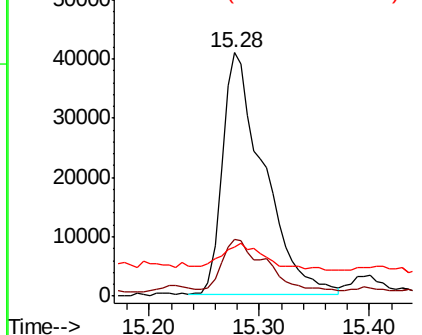


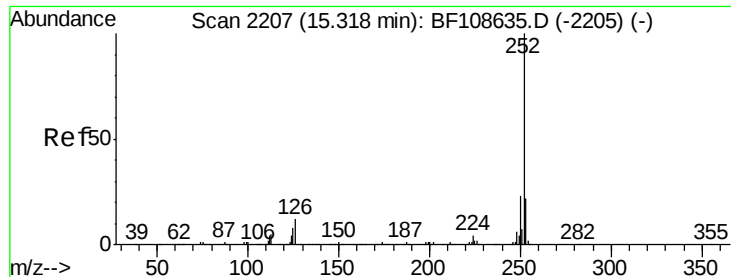
#87
Benzo(b)fluoranthene
Concen: 12.698 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion:252 Resp: 106390
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 19.9 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

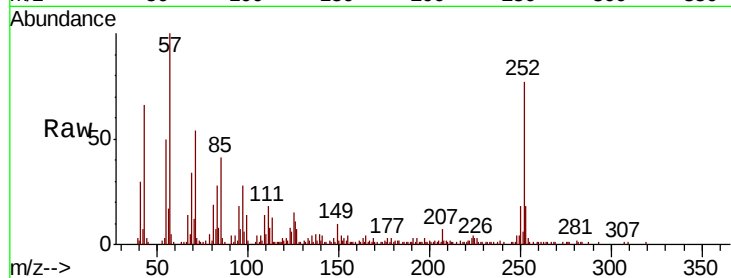




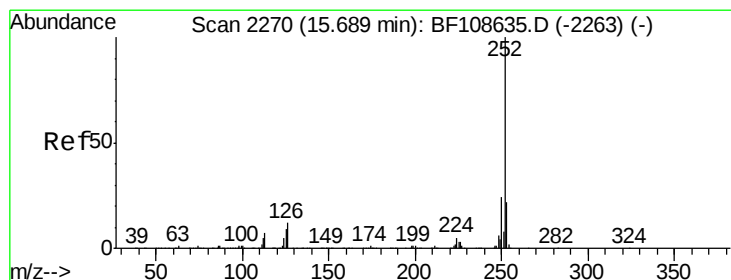
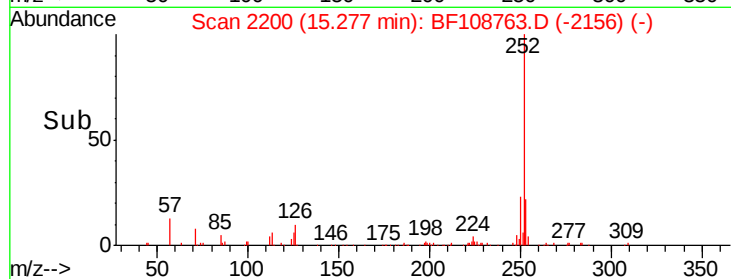
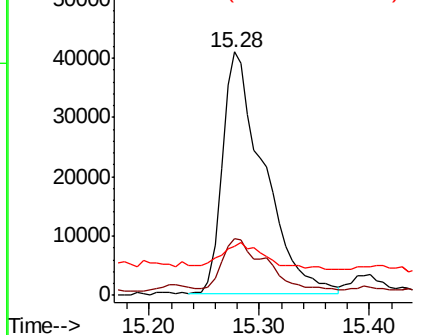
#88
Benzo(k)fluoranthene
Concen: 12.818 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 106390
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 19.9 10.2 15.2#

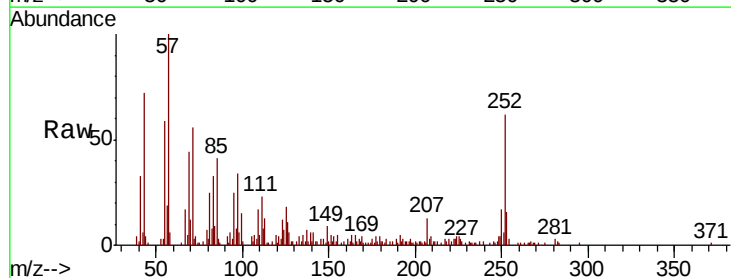


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

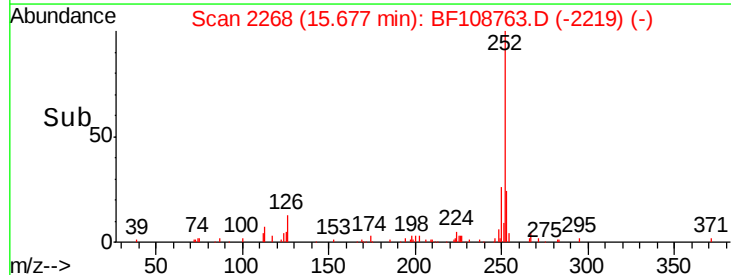
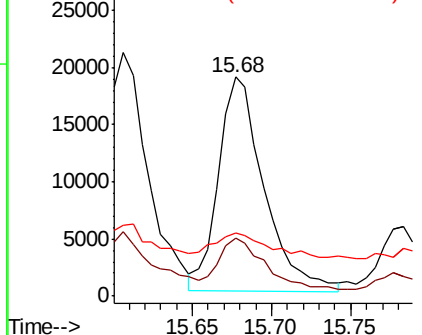


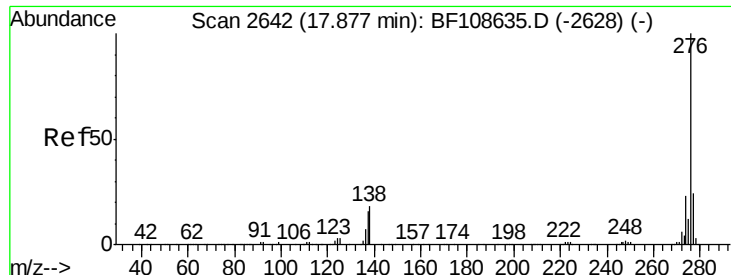
#89
Benzo(a)pyrene
Concen: 4.942 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion:252 Resp: 37421
Ion Ratio Lower Upper
252 100
253 26.2 17.1 25.7#
125 28.6 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(a,h,i)perylene

Concen: 6.002 ng

RT: 17.85 min Scan# 2637

Delta R.T. -0.03 min

Lab File: BF108763.D

Acq: 5 Sep 2018 3:46

Instrument :

BNA_F

ClientSampleId :

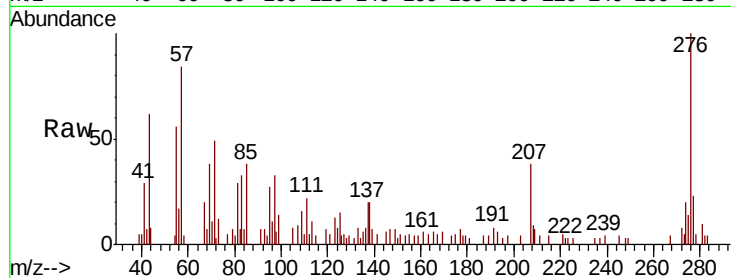
Tot Ion:276 Resp: 35275

Ion Ratio Lower Upper

276 100

277 23.5 17.9 26.9

138 20.4 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

