

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108757.D
 Acq On : 4 Sep 2018 22:38
 Operator : JU/SJ
 Sample : J4756-01RE 4X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 03:14:07 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	51551	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	251444	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	128291	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	274188	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	199225	20.00	ng	-0.01
86) Perylene-d12	15.74	264	147676	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	11402	3.84	ng	0.07
7) Phenol-d6	6.66	99	11917	2.80	ng	0.01
23) Nitrobenzene-d5	7.61	82	33974	6.86	ng	0.04
41) 2,4,6-Tribromophenol	10.83	330	25867	15.27	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	134449	14.09	ng	-0.02
78) Terphenyl-d14	13.11	244	173040	16.88	ng	-0.02

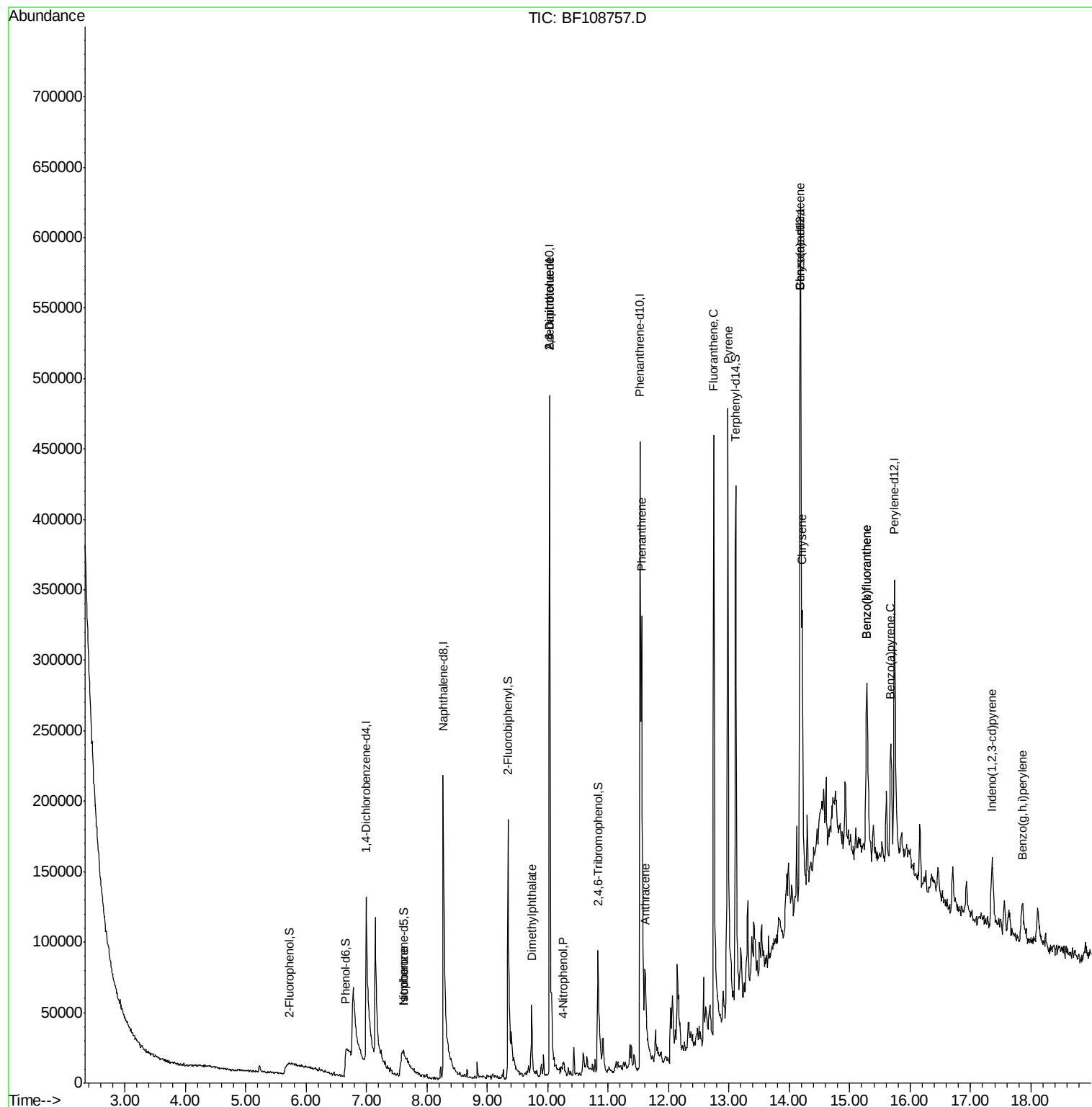
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.61	82	33974	4.129	ng	# 64
49) Dimethylphthalate	9.74	163	30434	3.013	ng	98
50) 2,6-Dinitrotoluene	10.03	165	15674	7.039	ng	# 25
55) 4-Nitrophenol	10.25	139	2982	6.585	ng	# 24
56) 2,4-Dinitrotoluene	10.03	165	15674	5.316	ng	# 23
70) Phenanthrene	11.55	178	147084	10.628	ng	98
71) Anthracene	11.61	178	62053	4.267	ng	98
74) Fluoranthene	12.75	202	267442	17.168	ng	94
77) Pyrene	12.98	202	251341	16.783	ng	99
80) Benzo(a)anthracene	14.18	228	93243	7.677	ng	97
82) Chrysene	14.21	228	88087	7.542	ng	98
85) Indeno(1,2,3-cd)pyrene	17.36	276	31573	3.888	ng	# 86
87) Benzo(b)fluoranthene	15.28	252	108280	11.936	ng	95
88) Benzo(k)fluoranthene	15.28	252	108280	12.049	ng	98
89) Benzo(a)pyrene	15.68	252	57584	7.024	ng	94
91) Benzo(g,h,i)perylene	17.85	276	35639	5.600	ng	91

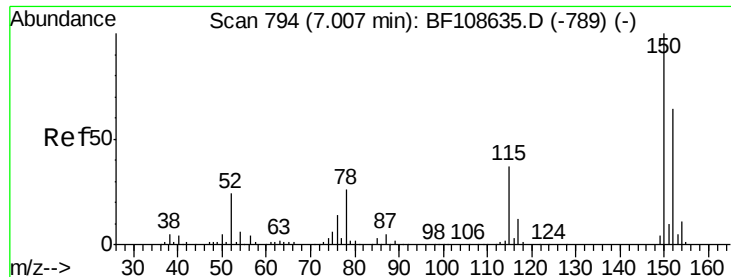
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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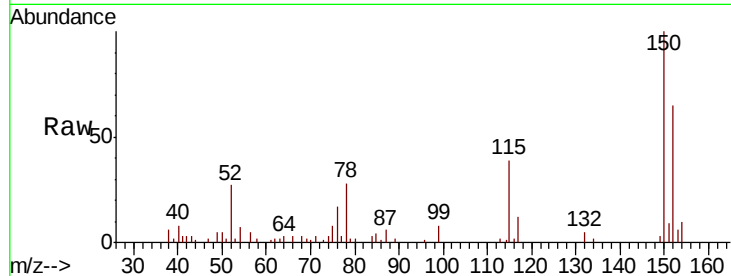


#1

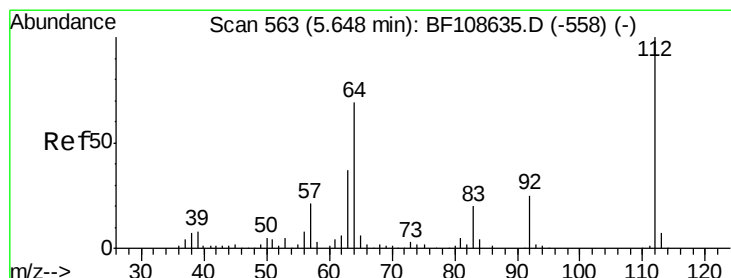
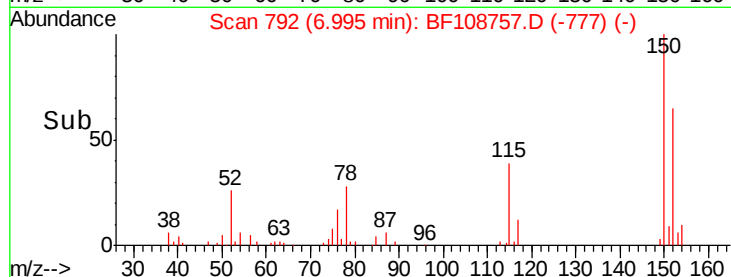
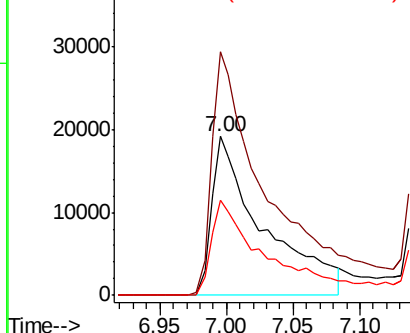
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 51551
Ion Ratio Lower Upper
152 100
150 153.1 124.6 186.8
115 59.6 50.1 75.1



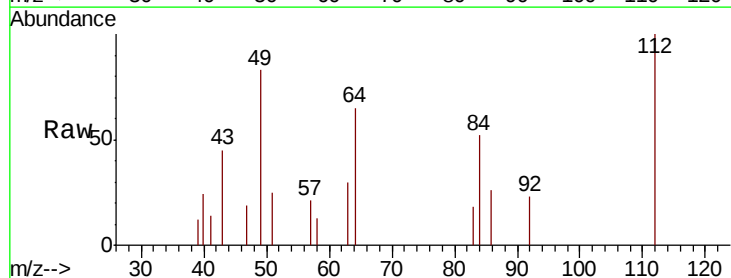
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



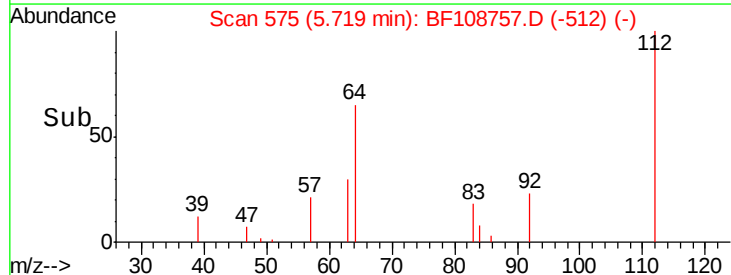
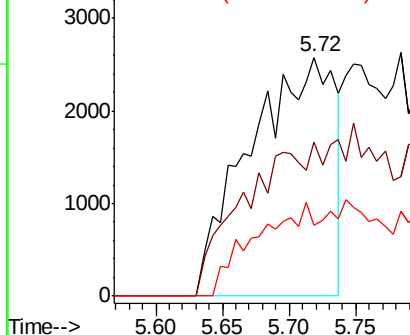
#5

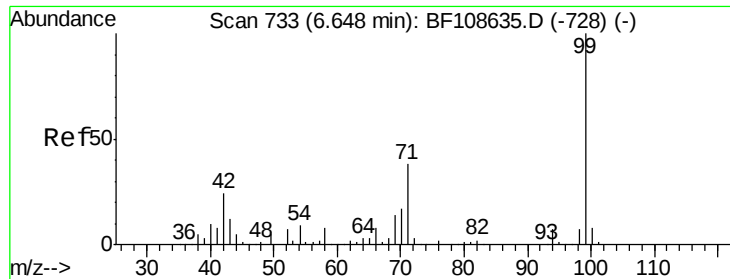
2-Fluorophenol
Concen: 3.842 ng
RT: 5.72 min Scan# 575
Delta R.T. 0.07 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Tgt Ion:112 Resp: 11402
Ion Ratio Lower Upper
112 100
64 64.5 47.9 71.9
63 29.7 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: 2.804 ng

RT: 6.66 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF108757.D

Acq: 4 Sep 2018 22:38

Instrument :

BNA_F

ClientSampleId :

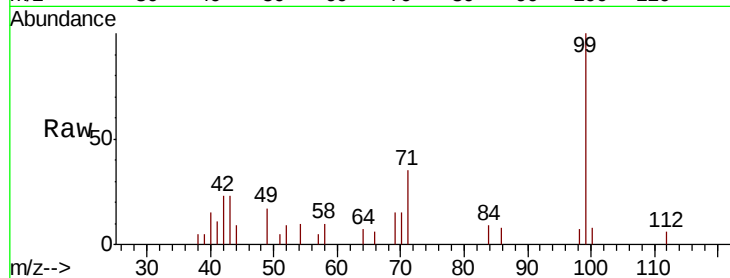
Tot Ion: 99 Resp: 11917

Ion Ratio Lower Upper

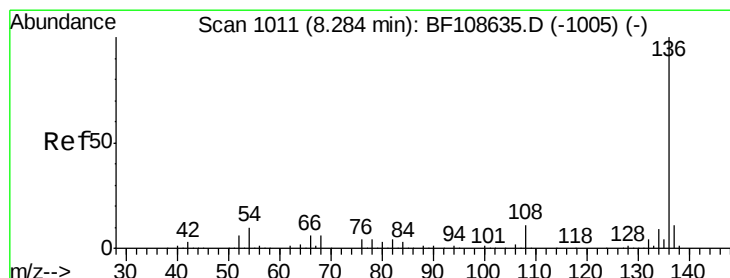
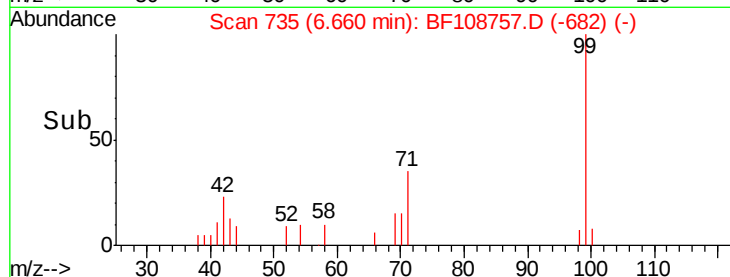
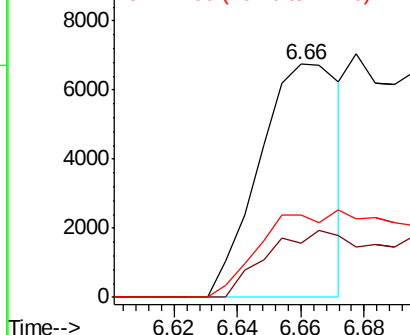
99 100

42 23.3 14.5 21.7#

71 35.4 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: 8.27 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF108757.D

Acq: 4 Sep 2018 22:38

Tgt Ion: 136 Resp: 251444

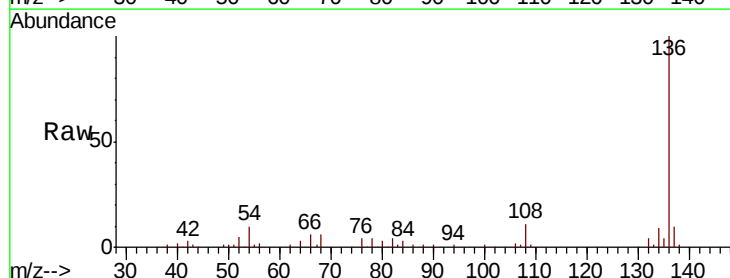
Ion Ratio Lower Upper

136 100

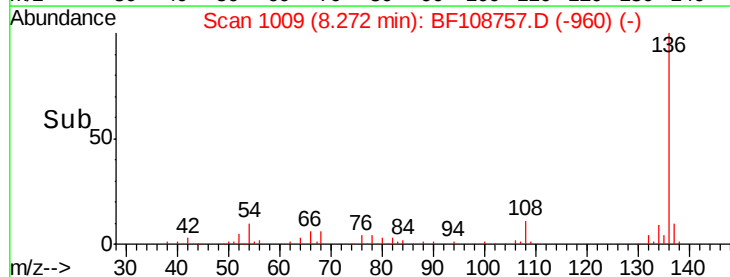
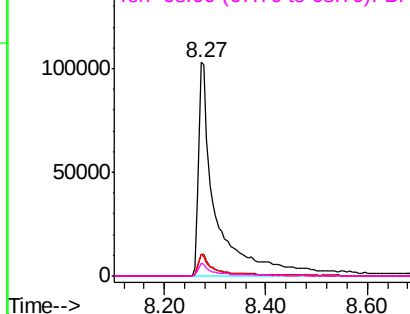
137 10.2 8.9 13.3

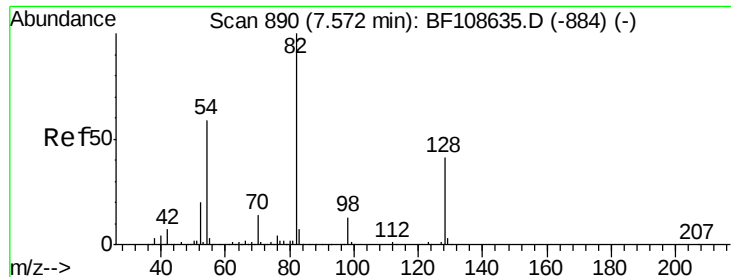
54 10.1 6.6 9.8#

68 6.0 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

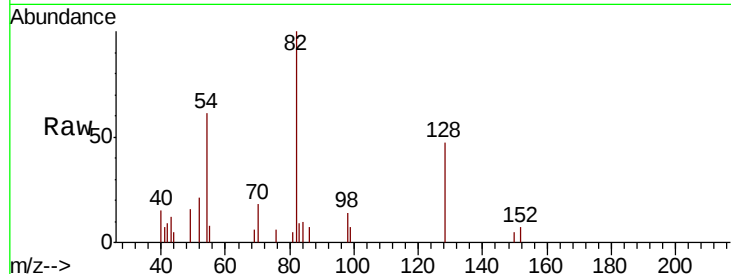




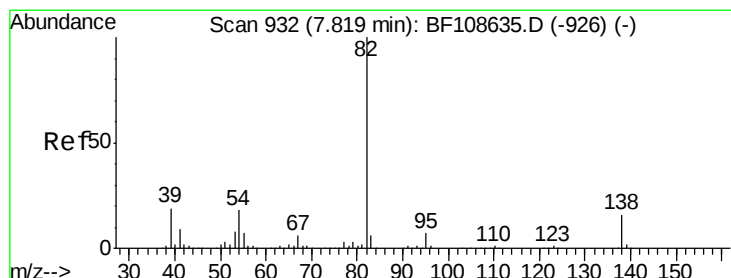
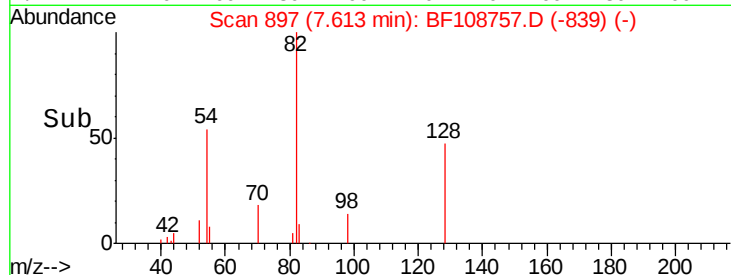
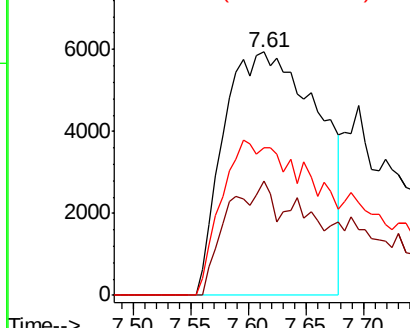
#23
Nitrobenzene-d5
Concen: 6.858 ng
RT: 7.61 min Scan# 897
Delta R.T. 0.04 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	33974
Ion Ratio	Lower	Upper	
82	100		
128	47.0	36.1	54.1
54	60.6	41.4	62.2

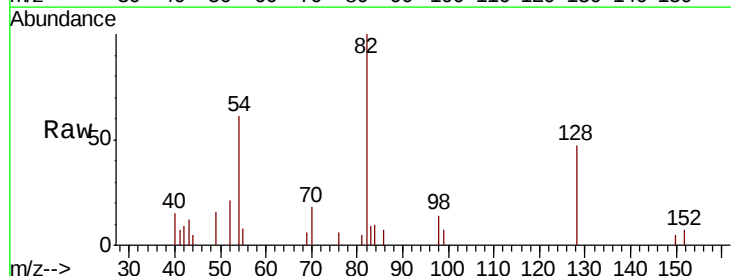


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

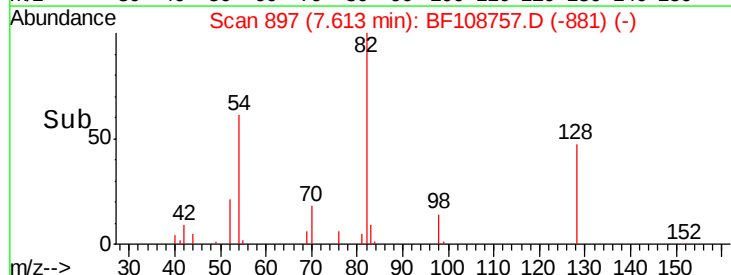
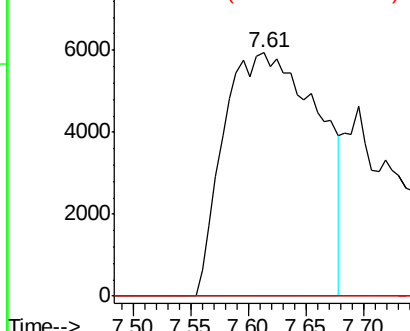


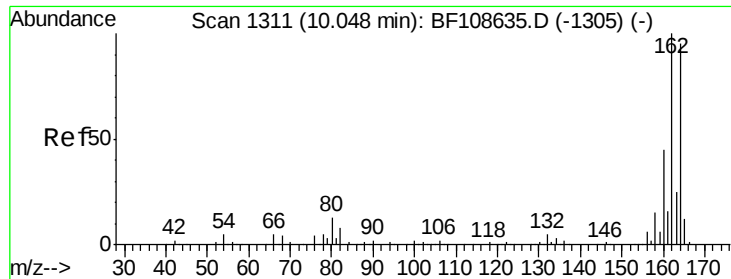
#25
Isophorone
Concen: 4.129 ng
RT: 7.61 min Scan# 897
Delta R.T. -0.21 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Tgt Ion	82	Resp	33974
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF108757.D

Acq: 4 Sep 2018 22:38

Instrument :

BNA_F

ClientSampled :

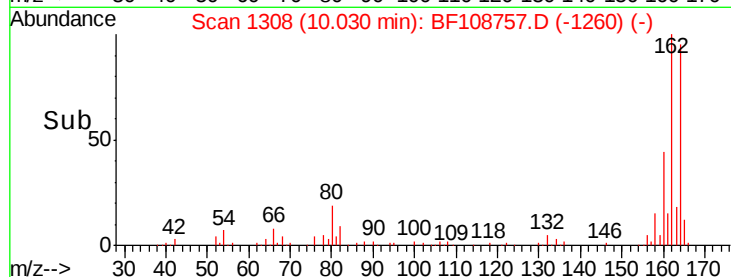
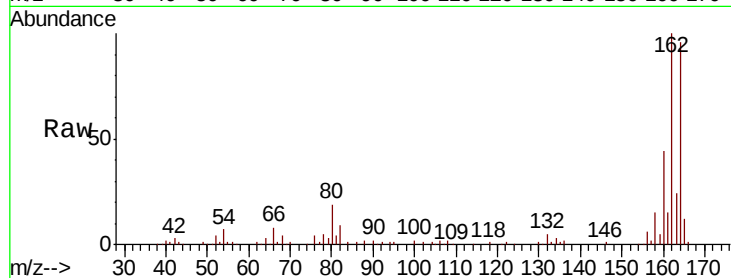
Tot Ion:164 Resp: 128291

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

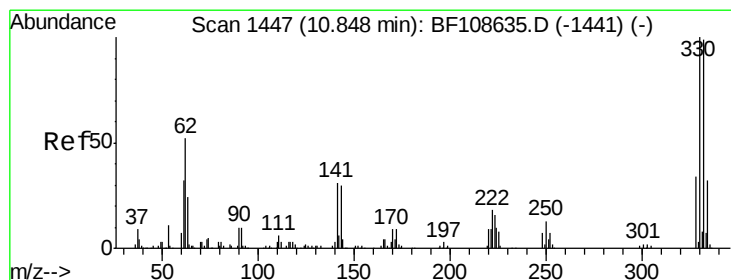
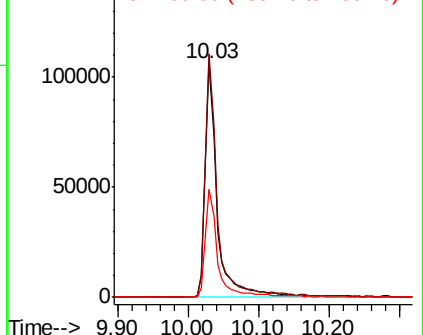
160 46.3 38.3 57.5



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: 15.273 ng

RT: 10.83 min Scan# 1444

Delta R.T. -0.02 min

Lab File: BF108757.D

Acq: 4 Sep 2018 22:38

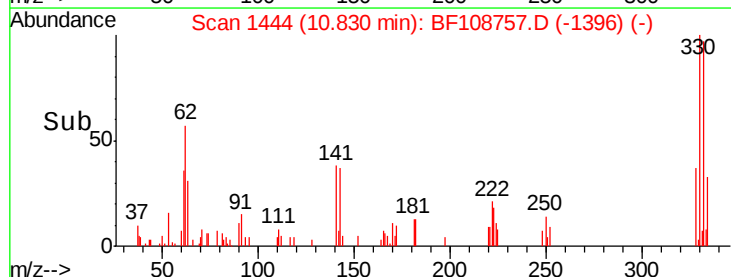
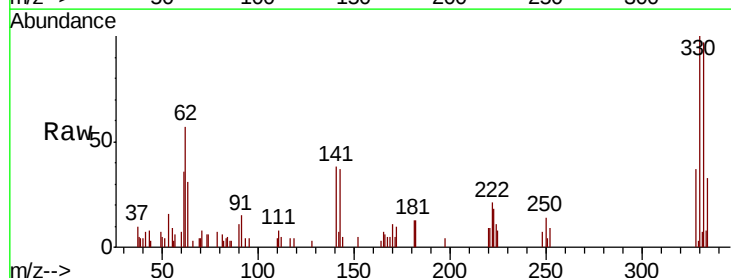
Tgt Ion:330 Resp: 25867

Ion Ratio Lower Upper

330 100

332 94.5 77.0 115.6

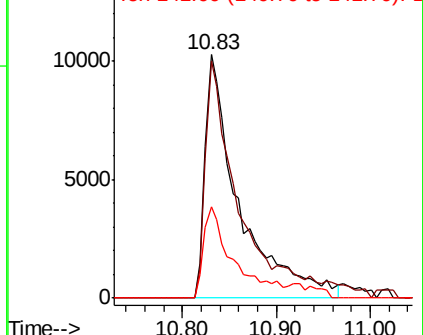
141 33.1 29.9 44.9

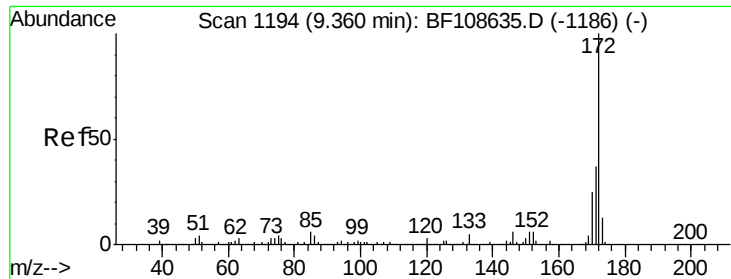


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

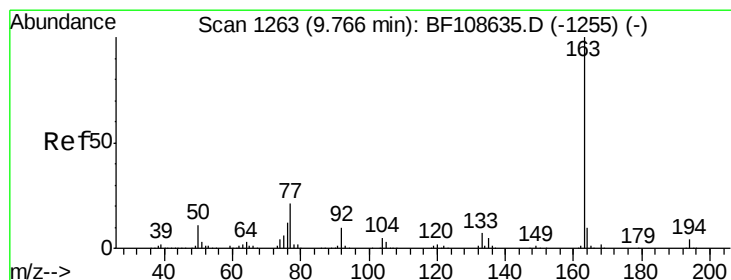
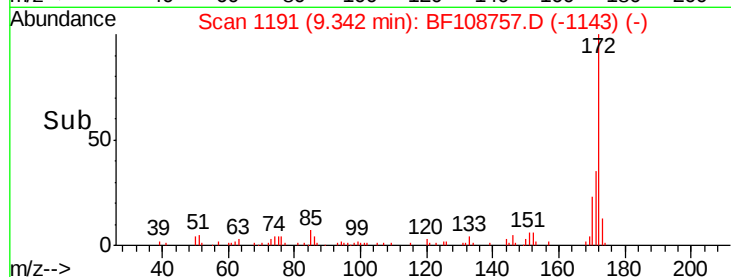
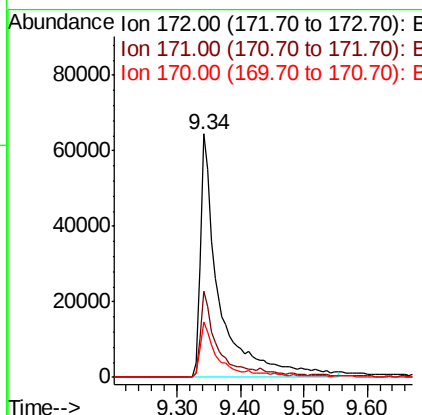
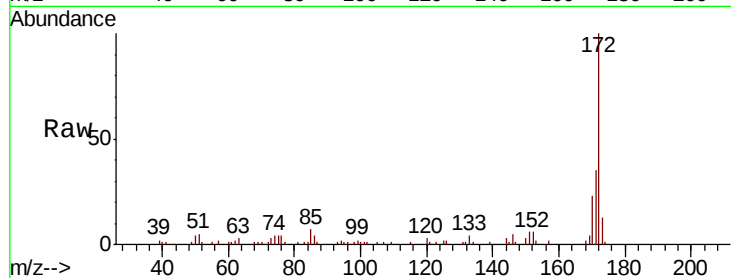




#44
2-Fluorobiphenyl
Concen: 14.091 ng
RT: 9.34 min Scan# 1191
Delta R.T. -0.02 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

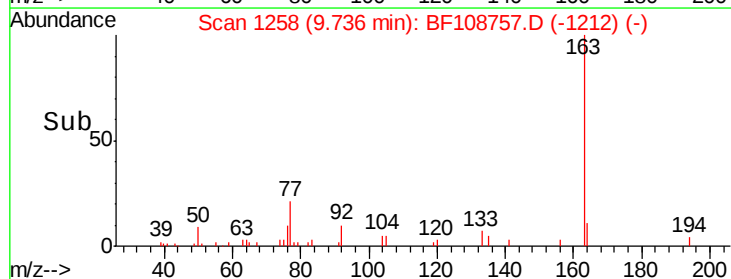
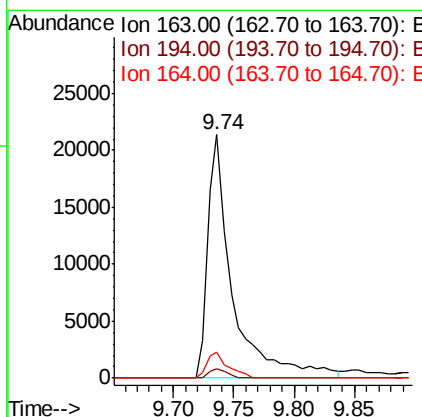
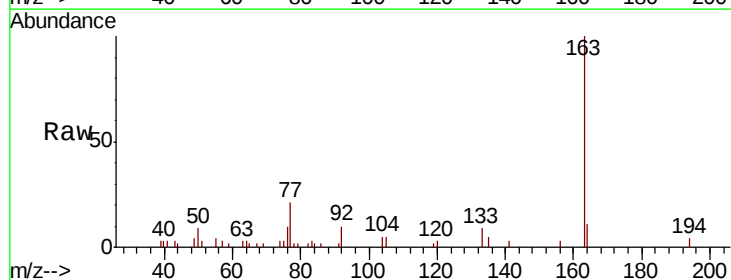
Instrument :
BNA_F
ClientSampleId :

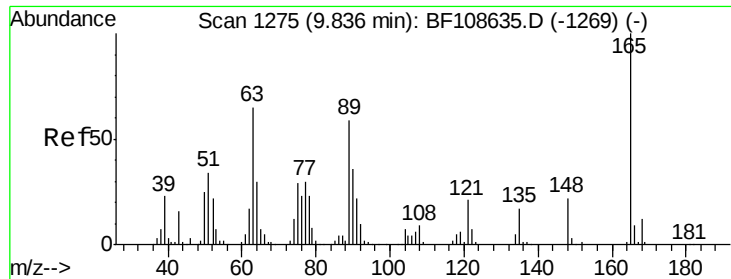
Tot Ion:172 Resp: 134449
Ion Ratio Lower Upper
172 100
171 35.2 29.7 44.5
170 22.6 19.6 29.4



#49
Dimethylphthalate
Concen: 3.013 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Tgt Ion:163 Resp: 30434
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1
164 10.7 8.2 12.2

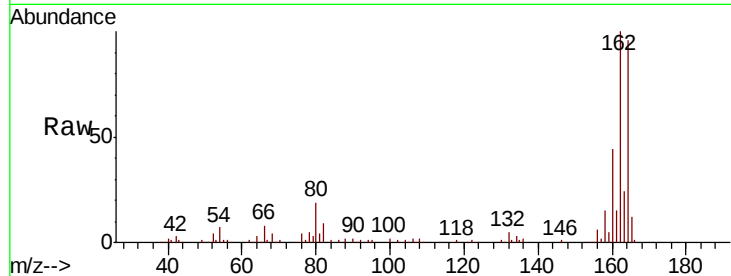




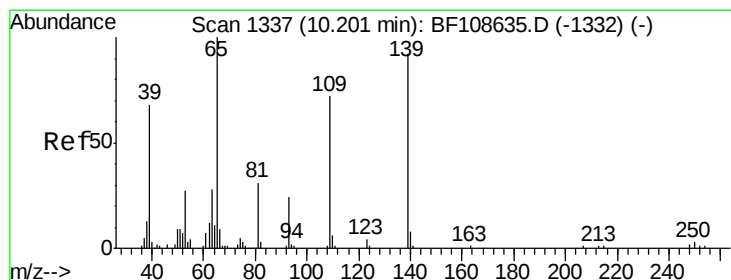
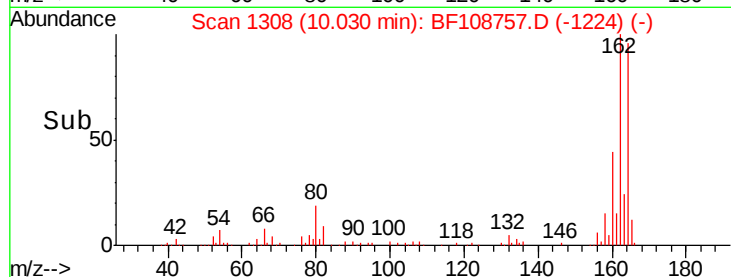
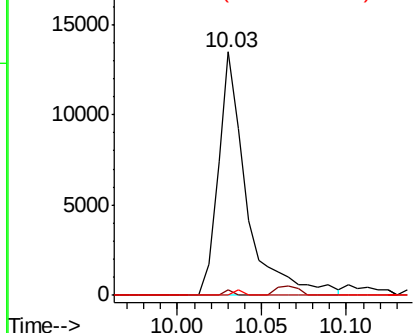
#50
2,6-Dinitrotoluene
Concen: 7.039 ng
RT: 10.03 min Scan# 1308
Delta R.T. 0.19 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 15674
Ion Ratio Lower Upper
165 100
63 2.3 44.7 67.1#
89 0.0 44.0 66.0#

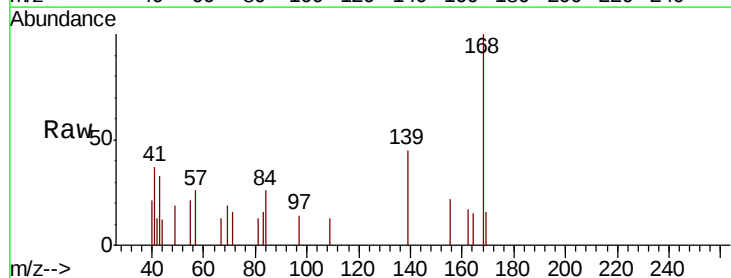


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

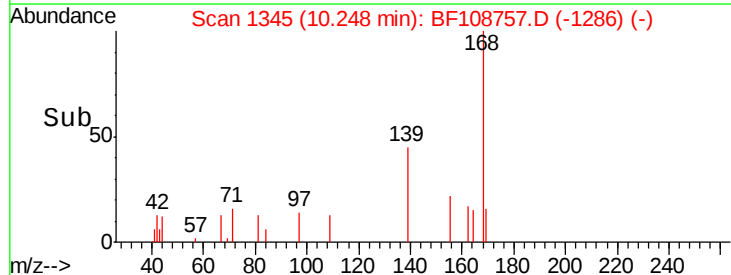
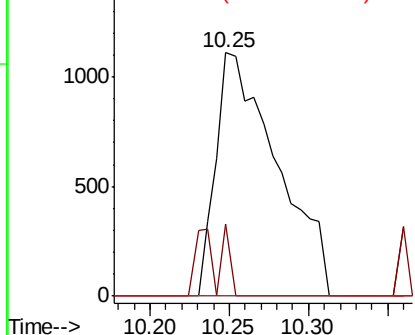


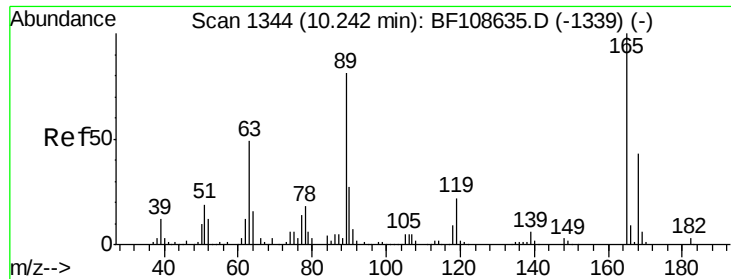
#55
4-Nitrophenol
Concen: 6.585 ng
RT: 10.25 min Scan# 1345
Delta R.T. 0.05 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Tgt Ion:139 Resp: 2982
Ion Ratio Lower Upper
139 100
109 29.6 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

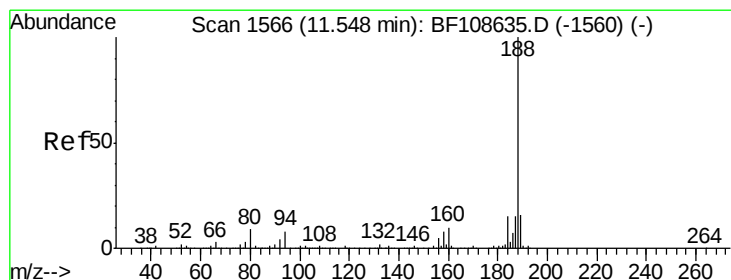
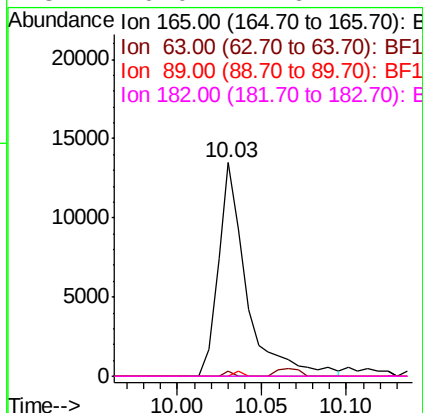
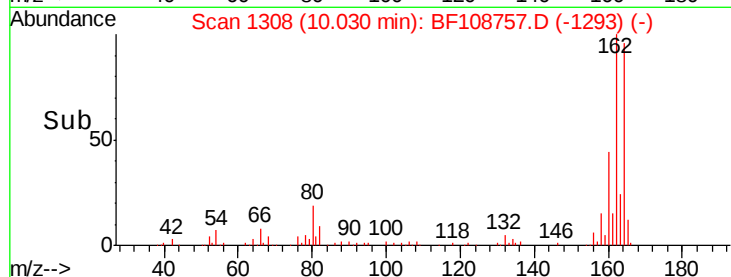
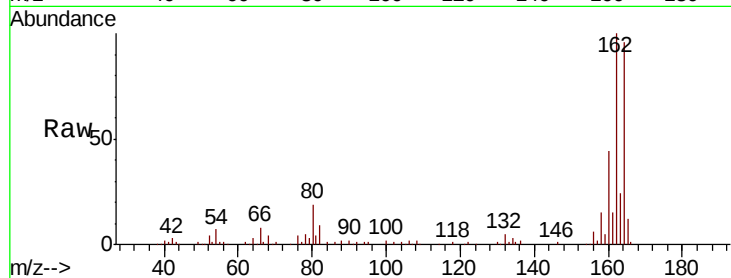




#56
 2,4-Dinitrotoluene
 Concen: 5.316 ng
 RT: 10.03 min Scan# 1308
 Delta R.T. -0.21 min
 Lab File: BF108757.D
 Acq: 4 Sep 2018 22:38

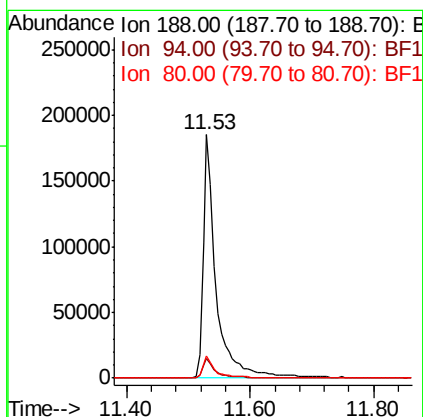
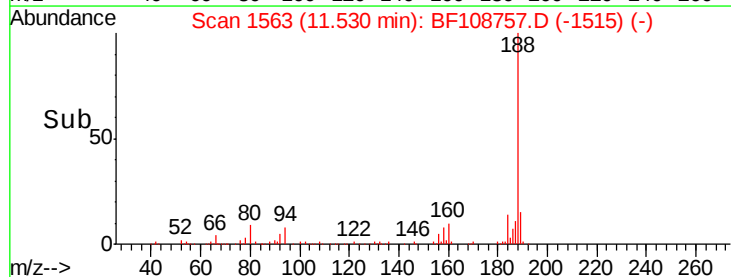
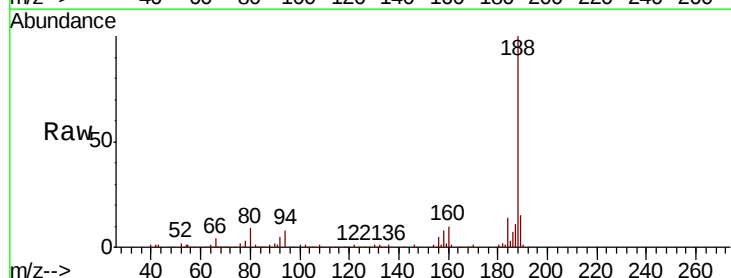
Instrument :
 BNA_F
 ClientSampleId :

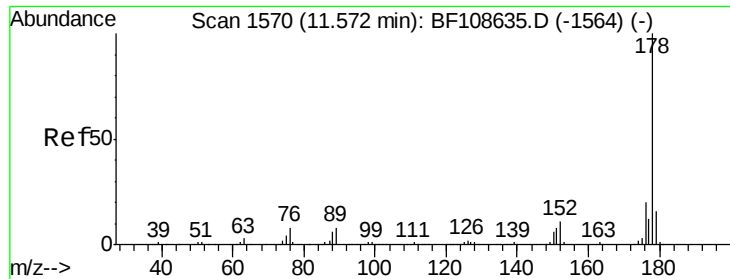
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.53 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: BF108757.D
 Acq: 4 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.5	12.7#
80	8.9	9.2	13.8#

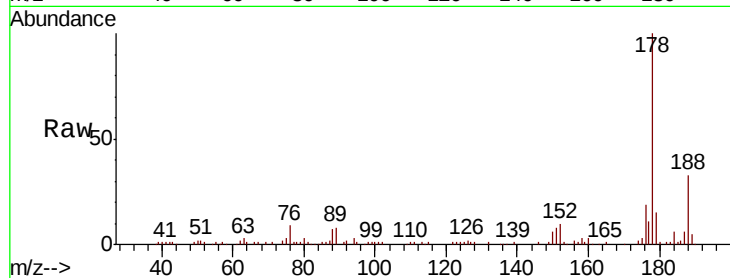




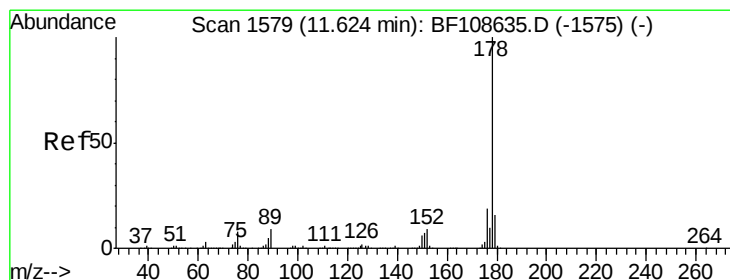
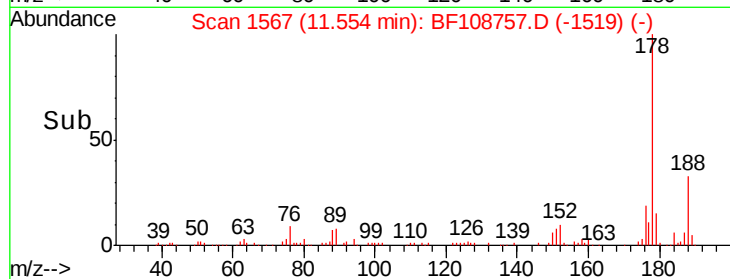
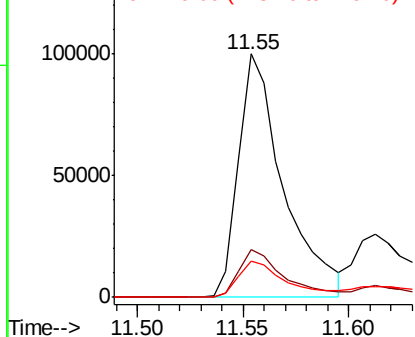
#70
Phenanthrene
Concen: 10.628 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 147084
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 14.9 13.0 19.6

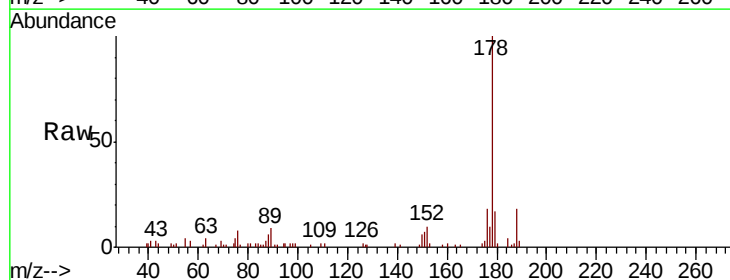


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

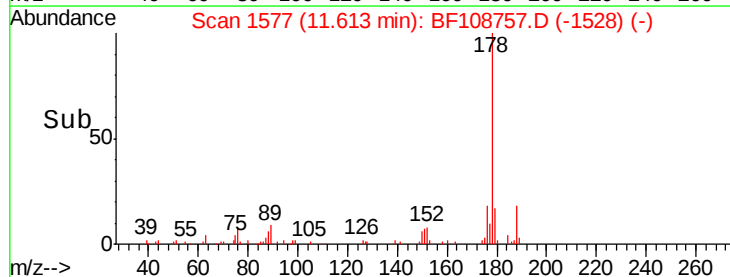
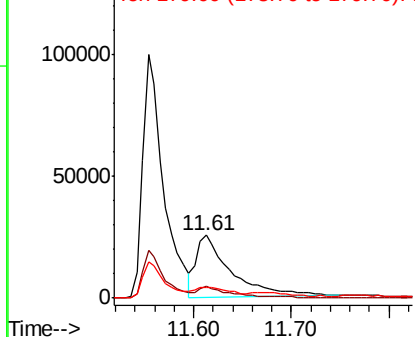


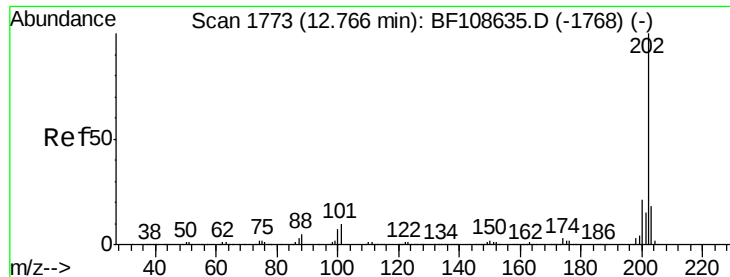
#71
Anthracene
Concen: 4.267 ng
RT: 11.61 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Tgt Ion:178 Resp: 62053
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 16.6 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: 17.168 ng

RT: 12.75 min Scan# 1770

Delta R.T. -0.02 min

Lab File: BF108757.D

Acq: 4 Sep 2018 22:38

Instrument :

BNA_F

ClientSampled :

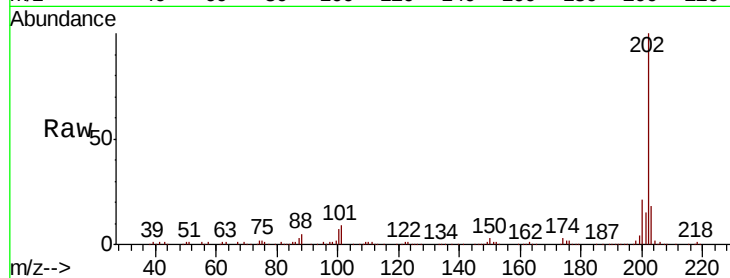
Tot Ion:202 Resp: 267442

Ion Ratio Lower Upper

202 100

101 9.4 0.0 34.1

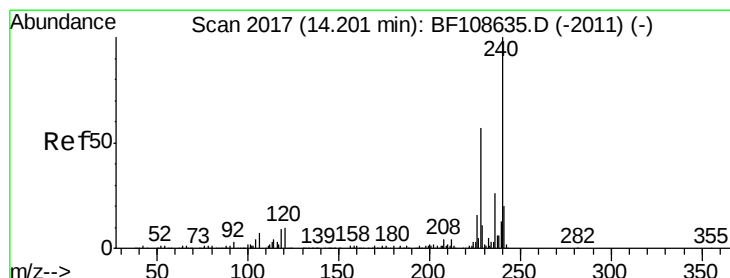
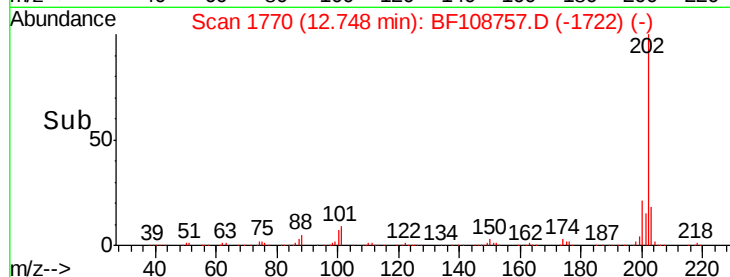
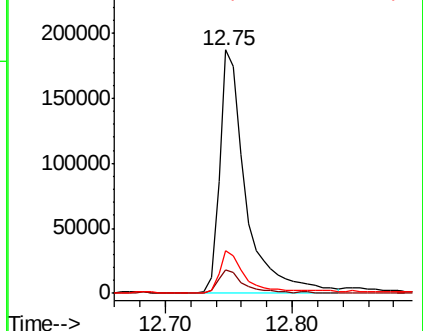
203 17.7 0.0 38.1



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# 2015

Delta R.T. -0.01 min

Lab File: BF108757.D

Acq: 4 Sep 2018 22:38

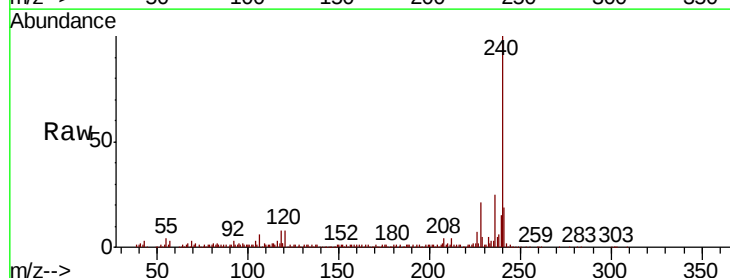
Tgt Ion:240 Resp: 199225

Ion Ratio Lower Upper

240 100

120 7.9 9.5 14.3#

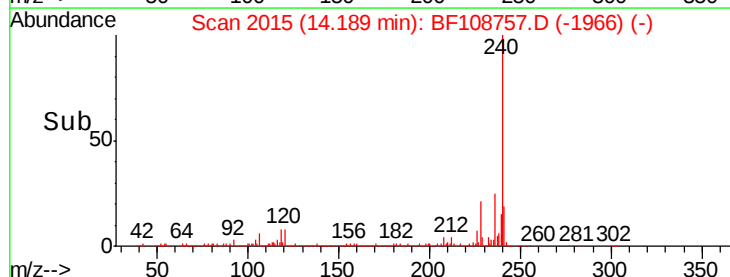
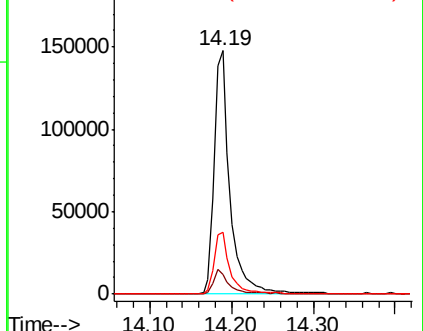
236 25.3 20.7 31.1

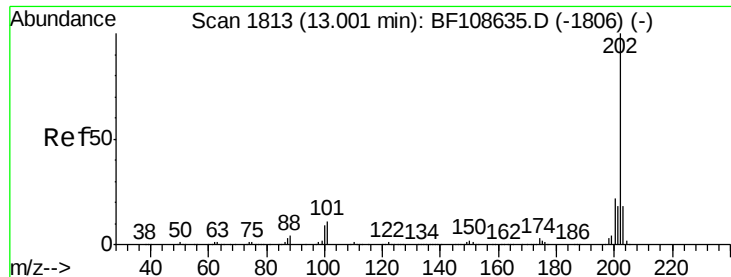


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 16.783 ng

RT: 12.98 min Scan# 1810

Delta R.T. -0.02 min

Lab File: BF108757.D

Acq: 4 Sep 2018 22:38

Instrument :

BNA_F

ClientSampleId :

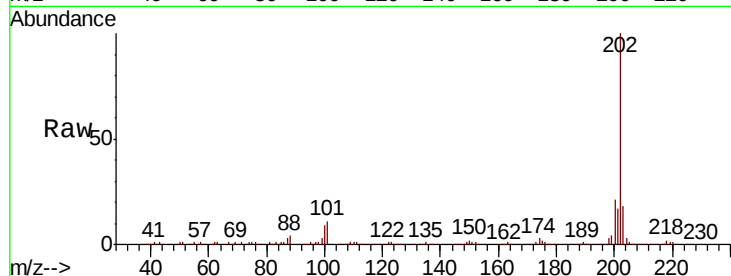
Tot Ion:202 Resp: 251341

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.5	14.3	21.5

202 100

200 21.0 17.4 26.2

203 17.5 14.3 21.5

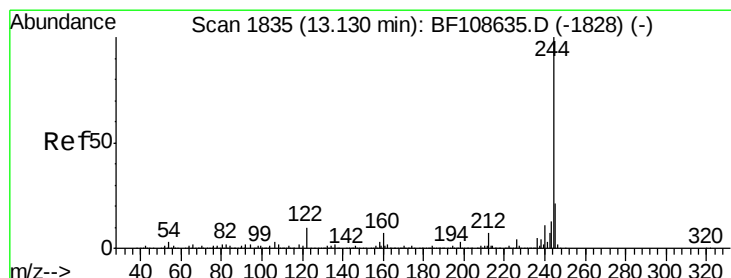
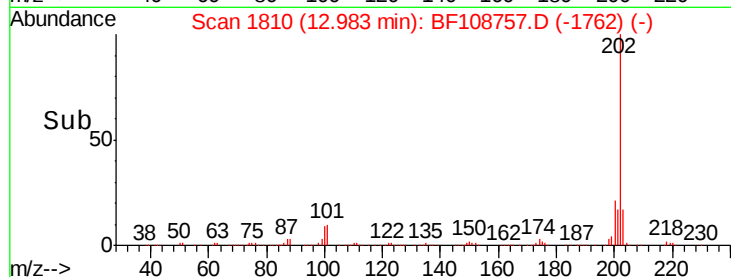
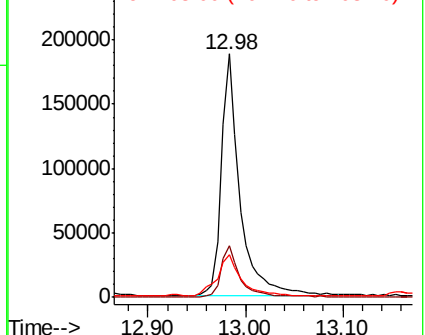


Abundance

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: 16.876 ng

RT: 13.11 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BF108757.D

Acq: 4 Sep 2018 22:38

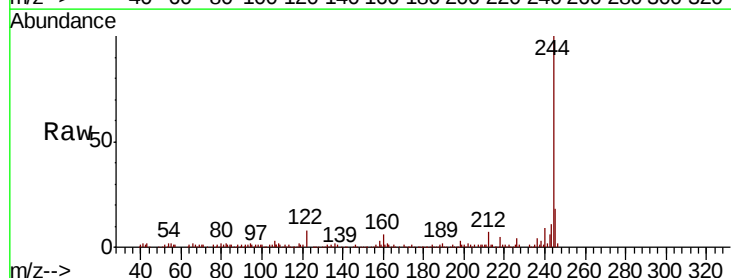
Tgt Ion:244 Resp: 173040

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	8.4	11.0	16.4

244 100

212 6.7 5.4 8.0

122 8.4 11.0 16.4#

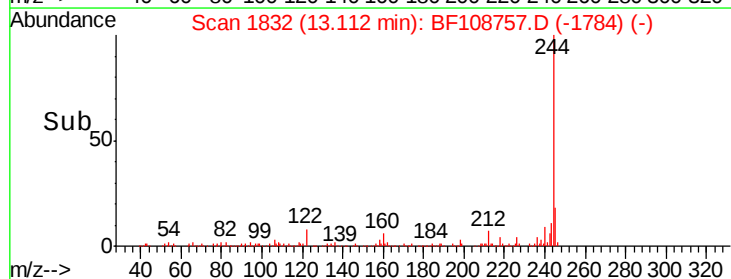
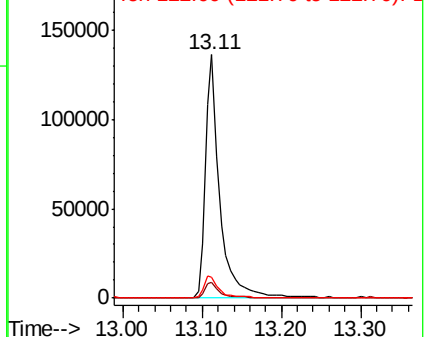


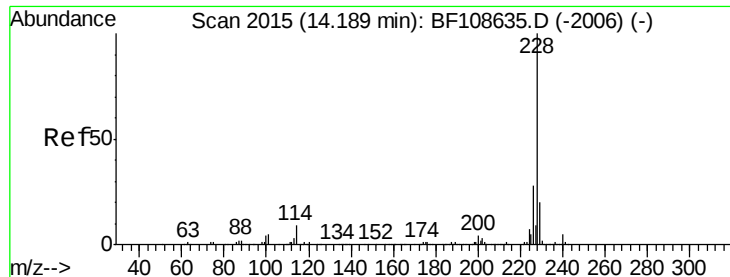
Abundance

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

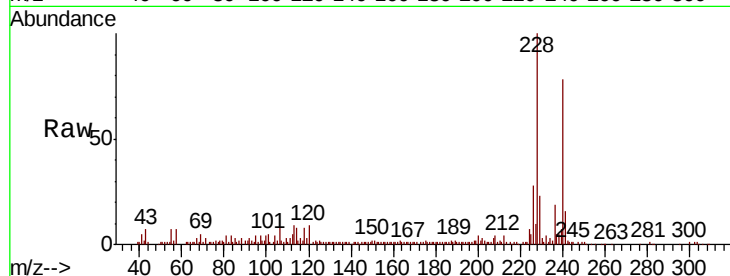




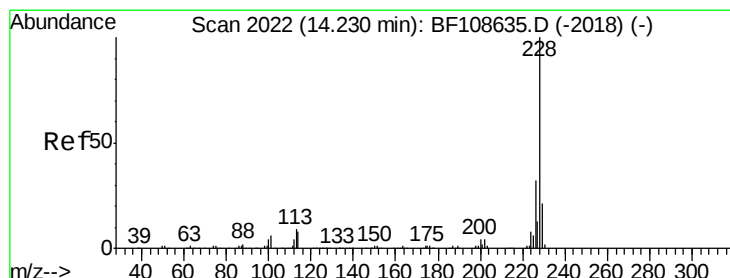
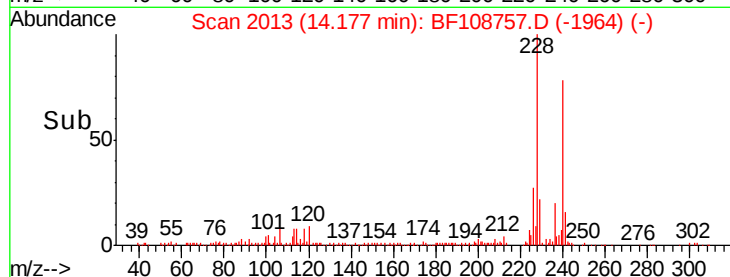
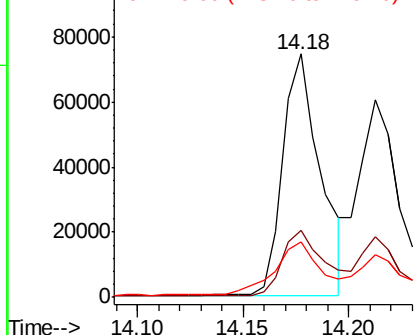
#80
Benzo(a)anthracene
Concen: 7.677 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 93243
Ion Ratio Lower Upper
228 100
226 27.5 22.6 33.8
229 22.6 15.8 23.6

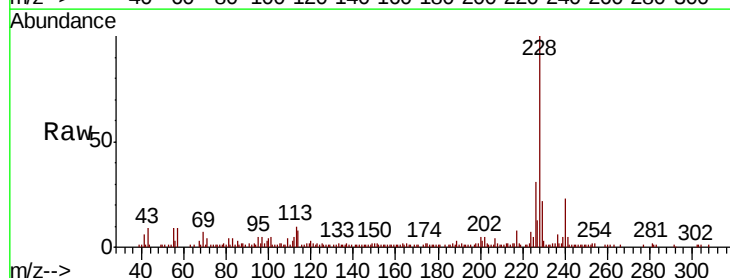


Abundance Ion 228.00 (227.70 to 228.70): E
100000 Ion 226.00 (225.70 to 226.70): E
80000 Ion 229.00 (228.70 to 229.70): E
60000
40000
20000
0

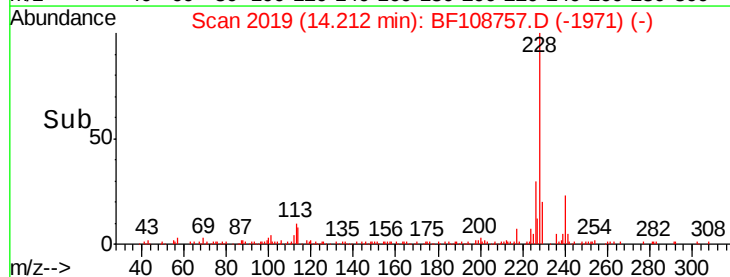
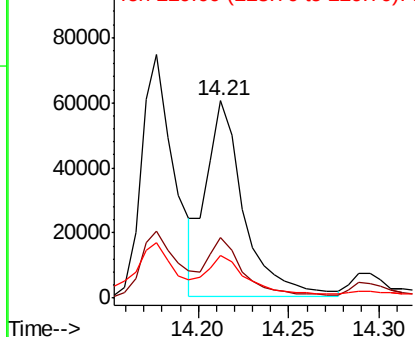


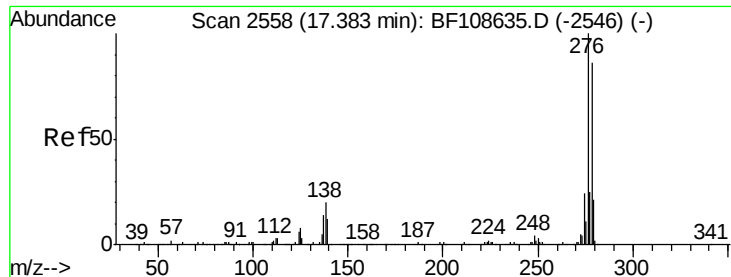
#82
Chrysene
Concen: 7.542 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Tgt Ion:228 Resp: 88087
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 21.5 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
100000 Ion 226.00 (225.70 to 226.70): E
80000 Ion 229.00 (228.70 to 229.70): E
60000
40000
20000
0

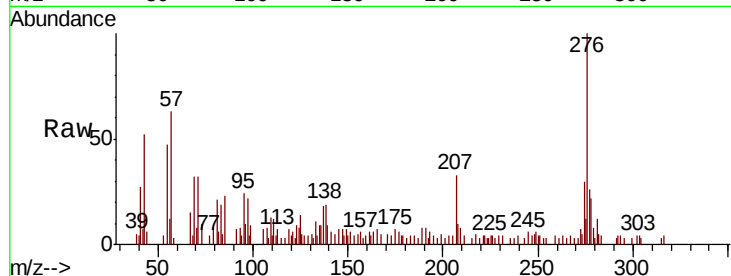




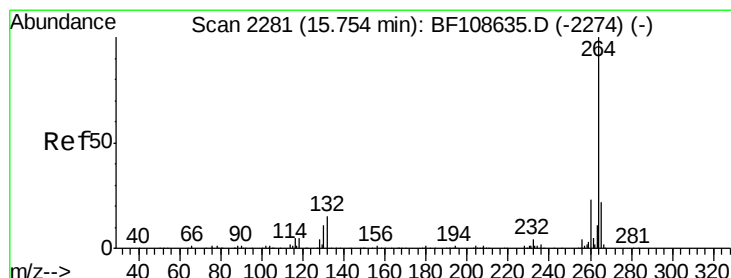
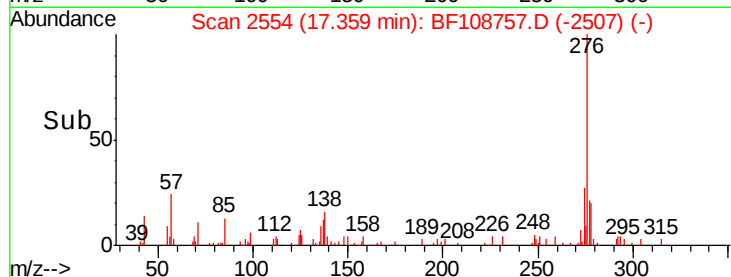
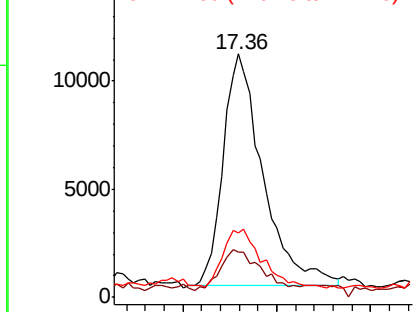
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.888 ng
 RT: 17.36 min Scan# 2554
 Delta R.T. -0.02 min
 Lab File: BF108757.D
 Acq: 4 Sep 2018 22:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 31573
 Ion Ratio Lower Upper
 276 100
 138 17.6 25.0 37.6#
 277 24.4 20.1 30.1

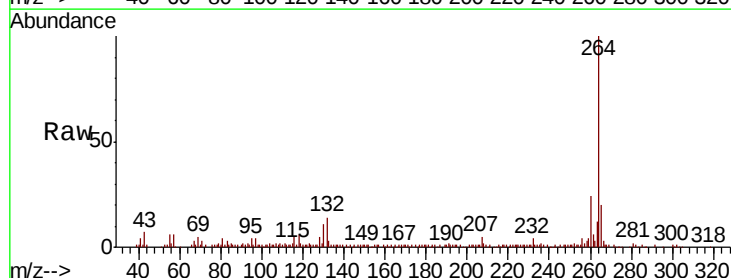


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

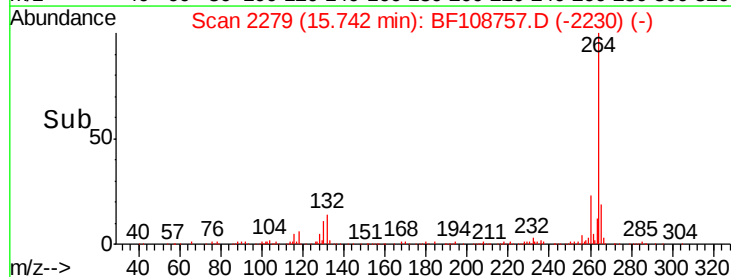
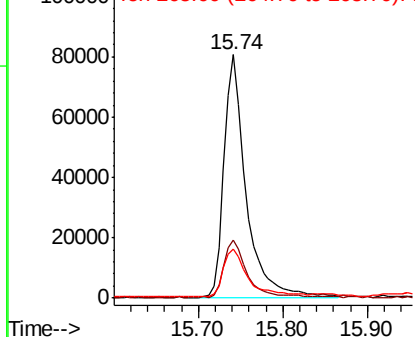


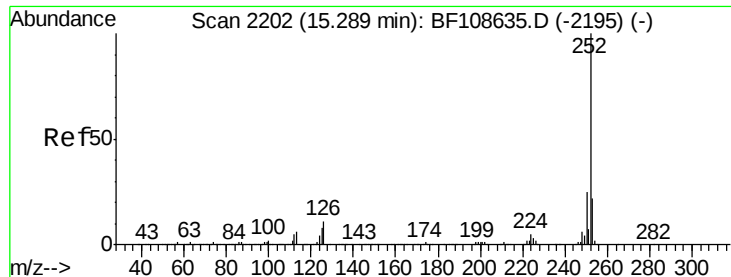
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.74 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: BF108757.D
 Acq: 4 Sep 2018 22:38

Tgt Ion:264 Resp: 147676
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 19.9 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

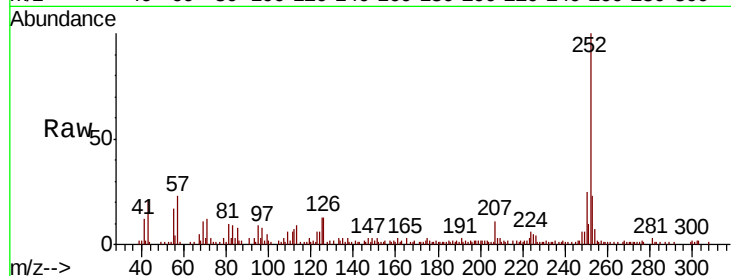




#87
Benzo(b)fluoranthene
Concen: 11.936 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	13.4	9.0	13.6

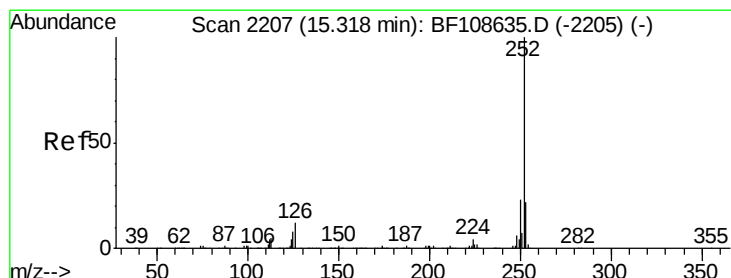
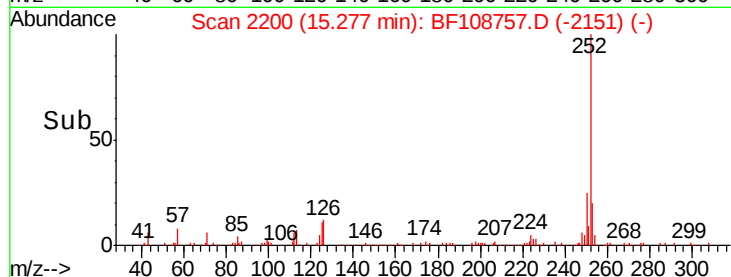
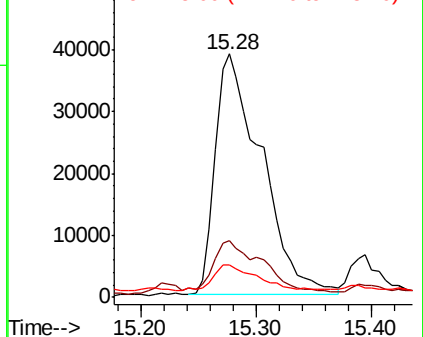


Abundance

Ion 252.00 (251.70 to 252.70): E

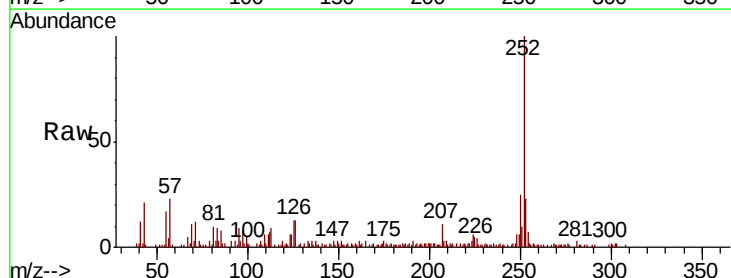
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 12.049 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	13.4	10.2	15.2

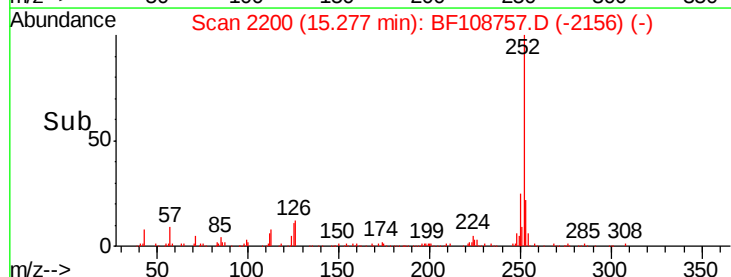
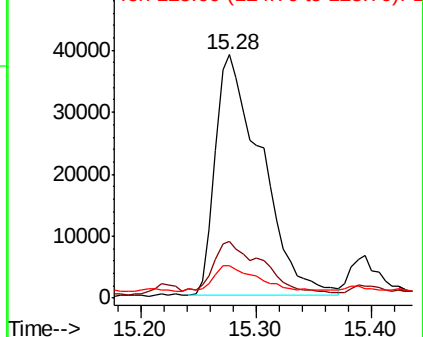


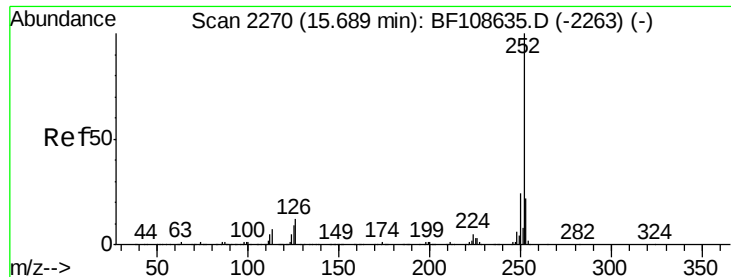
Abundance

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: 7.024 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF108757.D

Acq: 4 Sep 2018 22:38

Instrument :

BNA_F

ClientSampleId :

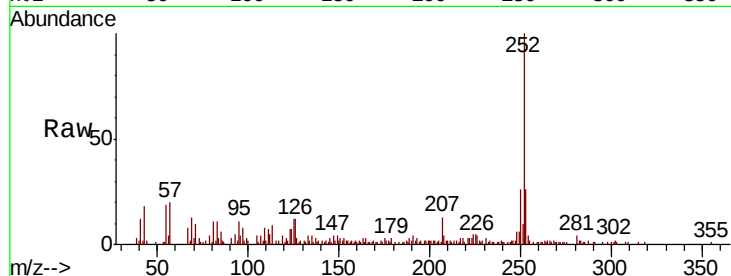
Tot Ion:252 Resp: 57584

Ion Ratio Lower Upper

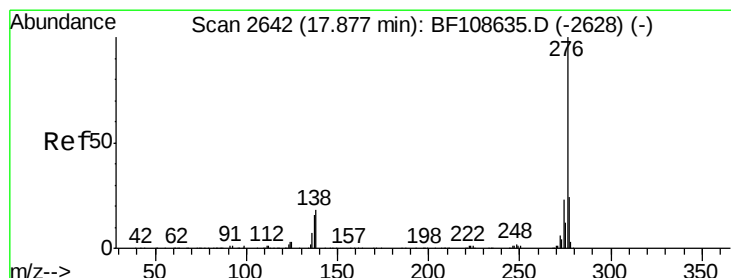
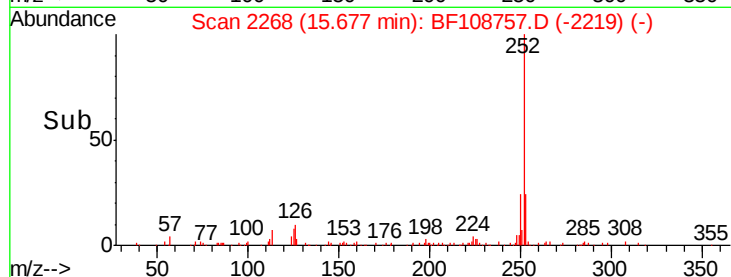
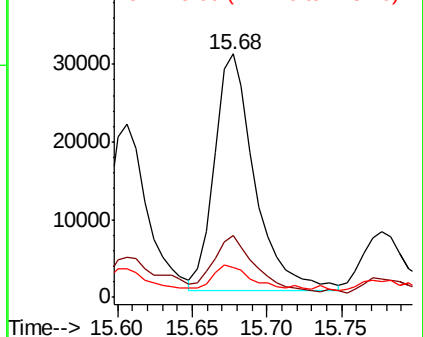
252 100

253 25.6 17.1 25.7

125 12.1 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: 5.600 ng

RT: 17.85 min Scan# 2638

Delta R.T. -0.02 min

Lab File: BF108757.D

Acq: 4 Sep 2018 22:38

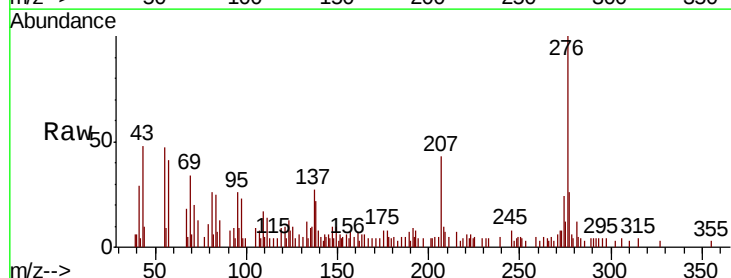
Tgt Ion:276 Resp: 35639

Ion Ratio Lower Upper

276 100

277 25.9 17.9 26.9

138 22.1 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

