

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
 Data File : BF108650.D
 Acq On : 30 Aug 2018 19:50
 Operator : JU/SJ
 Sample : J4275-21 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 01:11:47 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

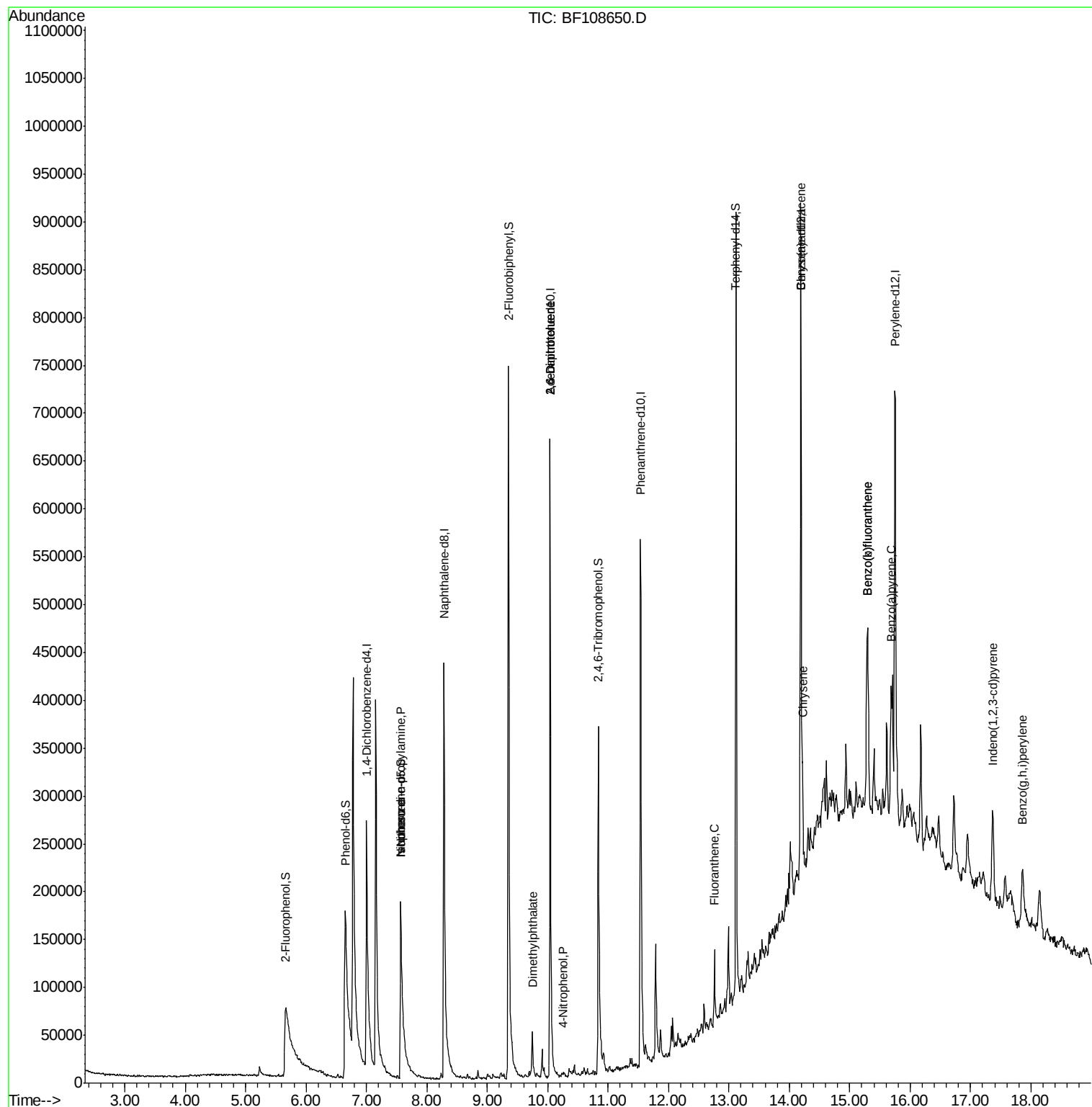
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	85889	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	367380	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	168887	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	288995	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	283112	20.00	ng	0.00
86) Perylene-d12	15.75	264	282751	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	152399	30.82	ng	0.02
7) Phenol-d6	6.65	99	286232	40.42	ng	0.00
23) Nitrobenzene-d5	7.57	82	191779	26.50	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	72714	32.61	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	367500	29.26	ng	0.00
78) Terphenyl-d14	13.12	244	311962	21.41	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	24170	5.097	ng	# 85
25) Isophorone	7.57	82	191779	15.951	ng	# 64
49) Dimethylphthalate	9.75	163	33569	2.524	ng	# 97
50) 2,6-Dinitrotoluene	10.04	165	21342	7.280	ng	# 26
55) 4-Nitrophenol	10.26	139	354	4.924	ng	# 9
56) 2,4-Dinitrotoluene	10.04	165	21483	5.535	ng	# 24
74) Fluoranthene	12.76	202	41656	2.537	ng	# 95
80) Benzo(a)anthracene	14.18	228	44213	2.562	ng	# 85
82) Chrysene	14.22	228	38797	2.337	ng	# 90
85) Indeno(1,2,3-cd)pyrene	17.37	276	54088	4.687	ng	# 86
87) Benzo(b)fluoranthene	15.28	252	144150	8.299	ng	# 93
88) Benzo(k)fluoranthene	15.28	252	144150	8.378	ng	# 93
89) Benzo(a)pyrene	15.68	252	72100	4.593	ng	# 96
91) Benzo(a,h,i)perylene	17.86	276	47708	3.916	ng	# 88

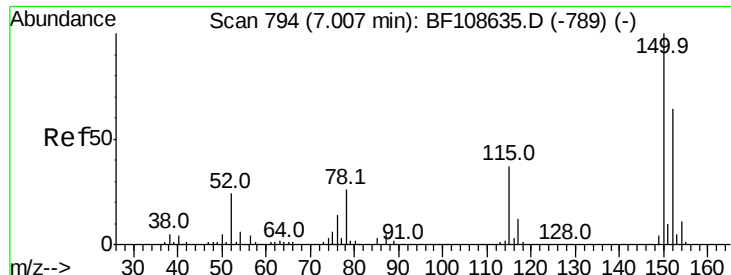
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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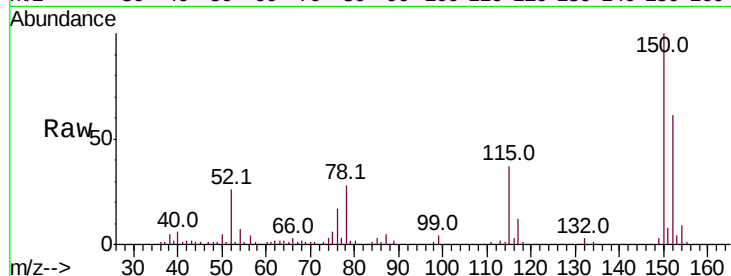


#1

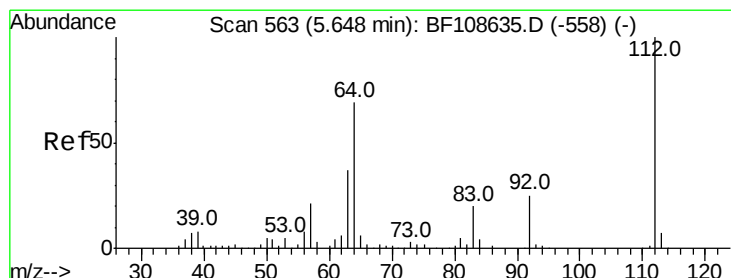
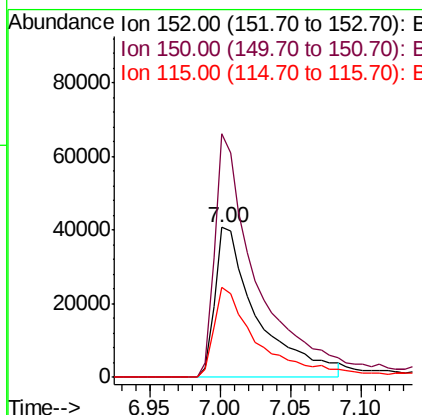
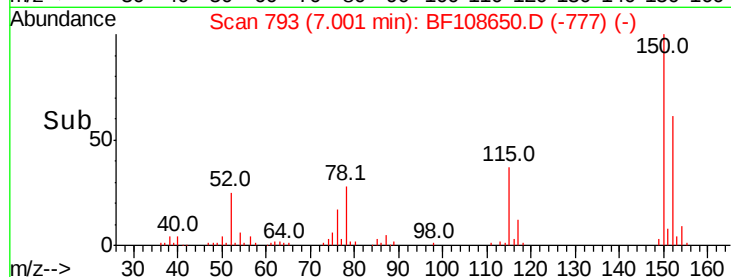
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.00 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: BF108650.D
 Acq: 30 Aug 2018 19:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.7	124.6	186.8
115	60.5	50.1	75.1



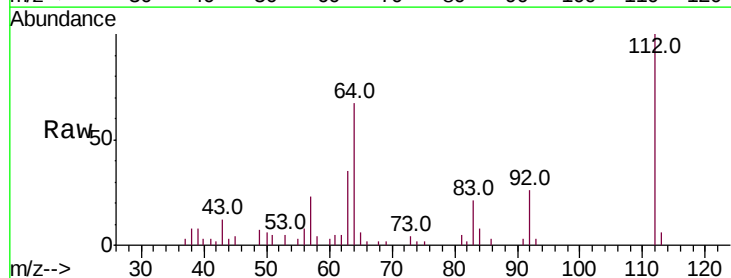
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



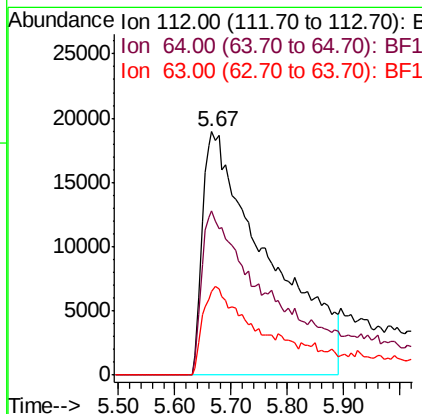
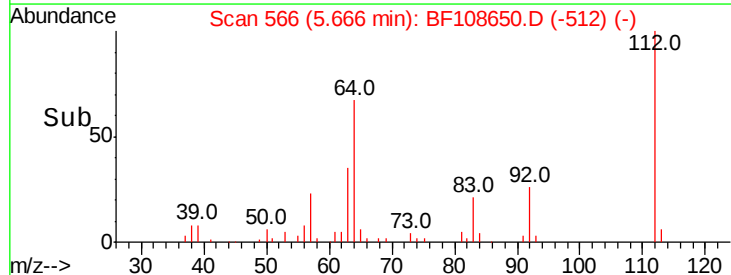
#5

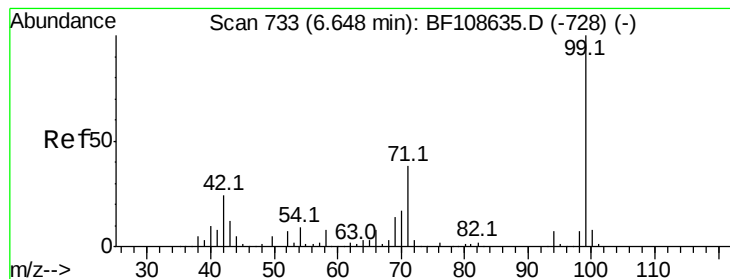
2-Fluorophenol
 Concen: 30.824 ng
 RT: 5.67 min Scan# 566
 Delta R.T. 0.02 min
 Lab File: BF108650.D
 Acq: 30 Aug 2018 19:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	47.9	71.9
63	34.6	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: 40.421 ng

RT: 6.65 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Instrument :

BNA_F

ClientSampled :

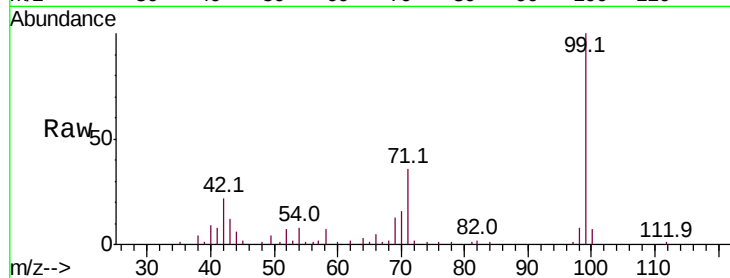
Tot Ion: 99 Resp: 286232

Ion Ratio Lower Upper

99 100

42 21.8 14.5 21.7#

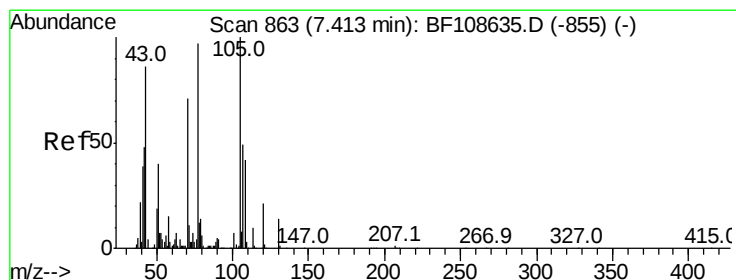
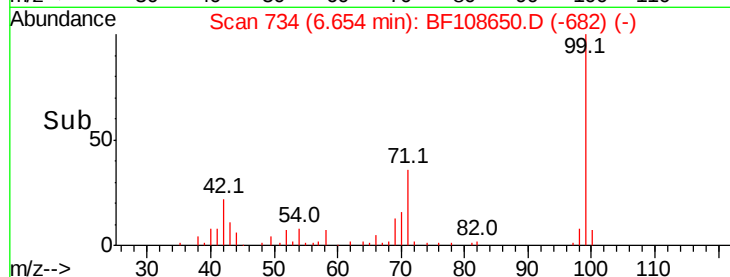
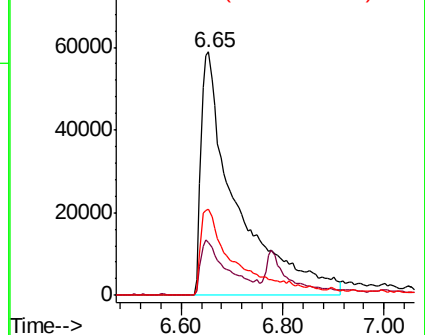
71 35.6 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.097 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Tgt Ion: 70 Resp: 24170

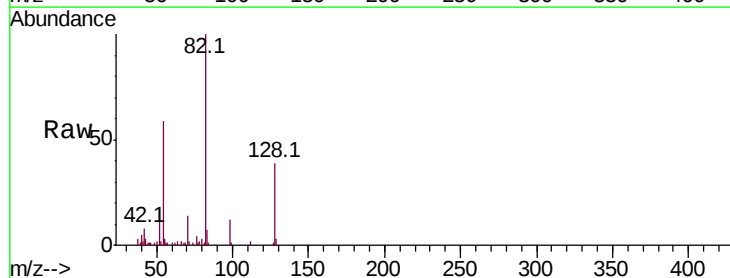
Ion Ratio Lower Upper

70 100

42 57.2 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

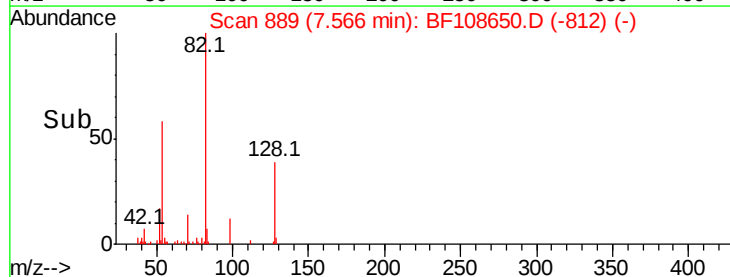
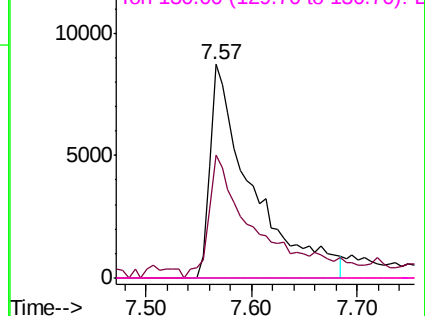


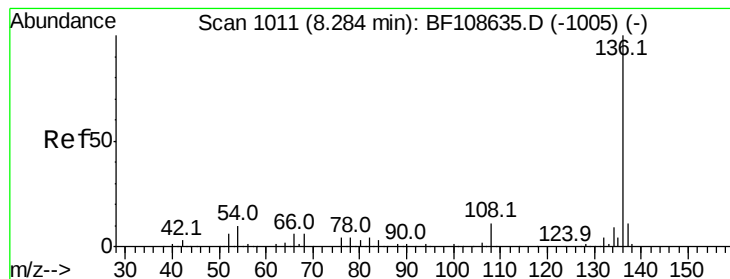
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 367380

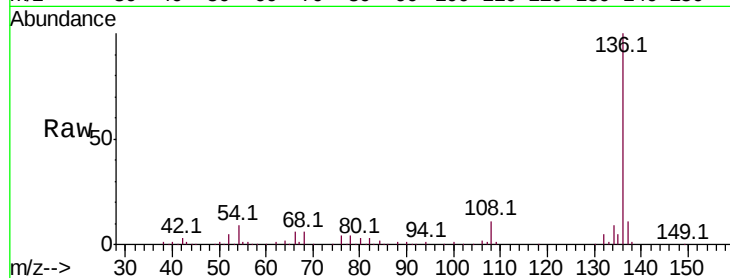
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.9 6.6 9.8

68 5.6 5.0 7.4

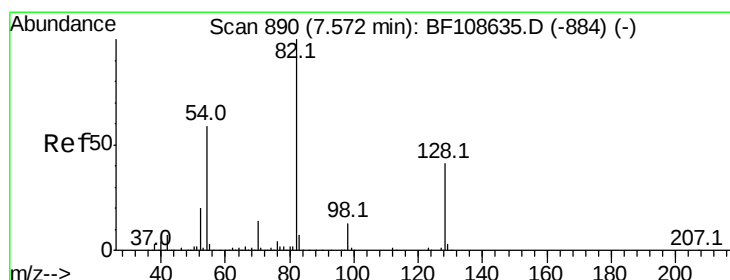
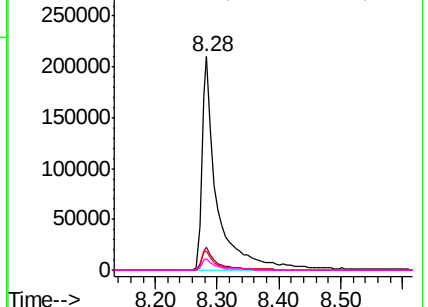
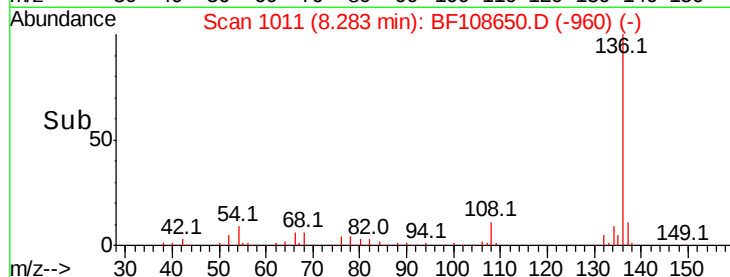


Abundance Ion 136.00 (135.70 to 136.70): E

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: 26.497 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

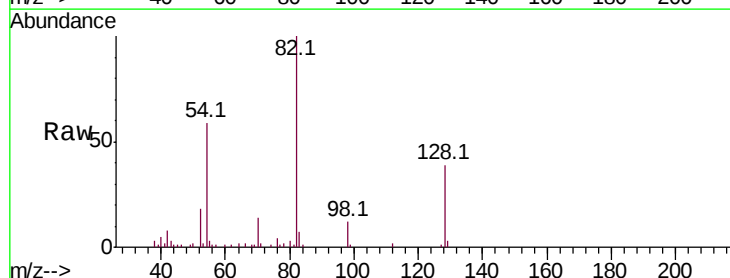
Tgt Ion: 82 Resp: 191779

Ion Ratio Lower Upper

82 100

128 39.1 36.1 54.1

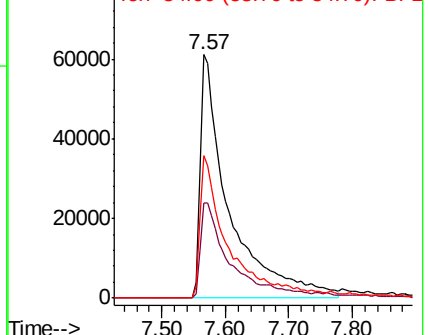
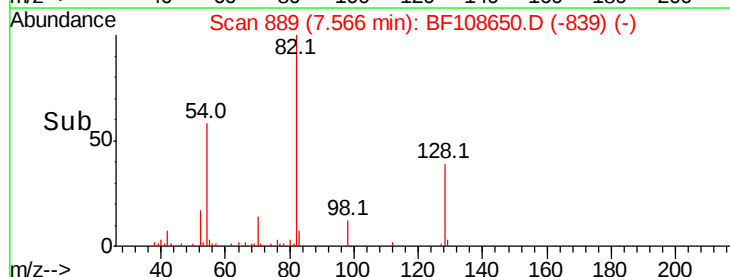
54 58.7 41.4 62.2

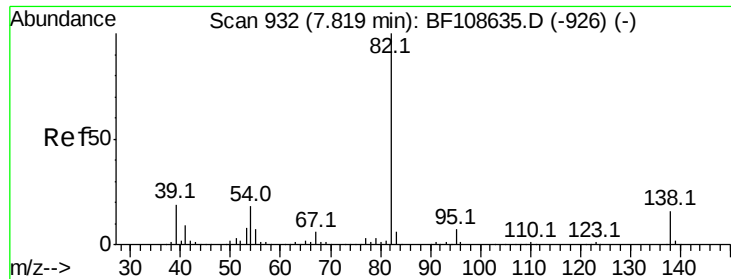


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.951 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.25 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Instrument :

BNA_F

ClientSampleId :

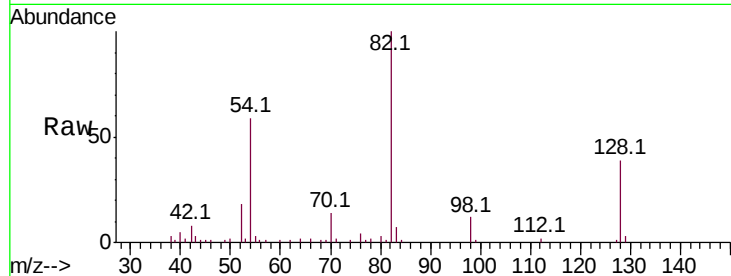
Tot Ion: 82 Resp: 191779

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

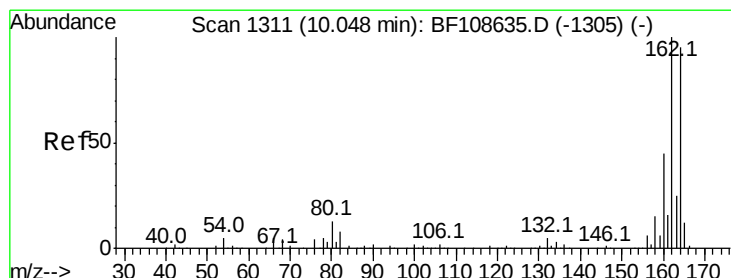
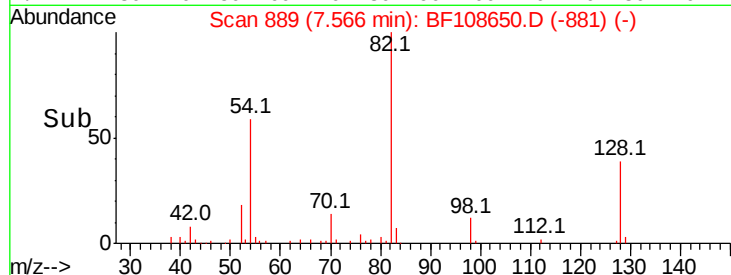
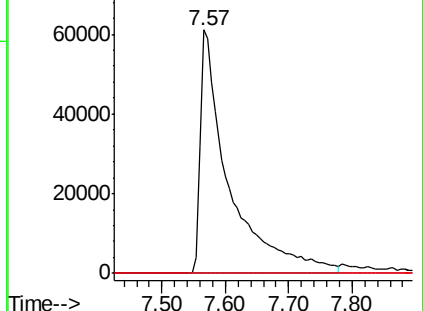
138 0.0 14.9 22.3#



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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

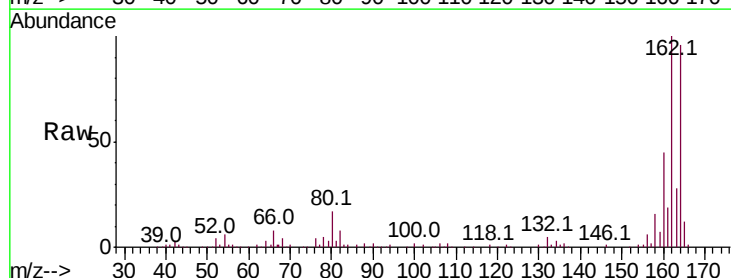
Tgt Ion: 164 Resp: 168887

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

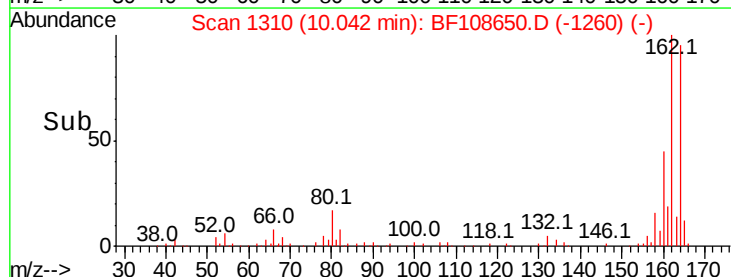
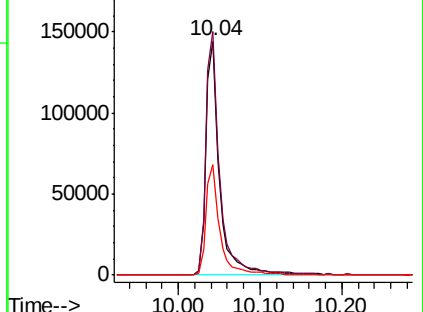
160 47.0 38.3 57.5

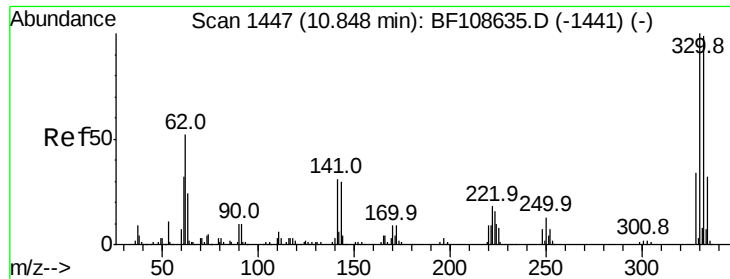


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

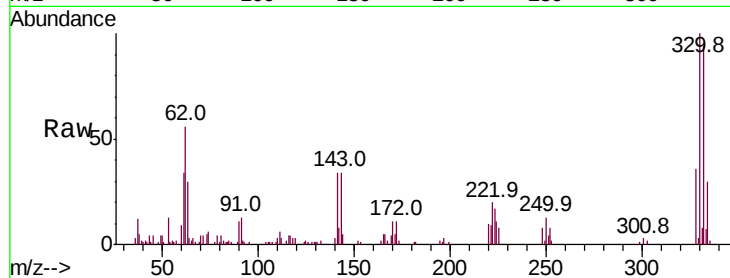




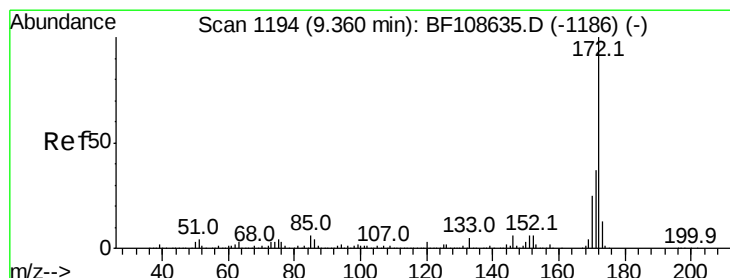
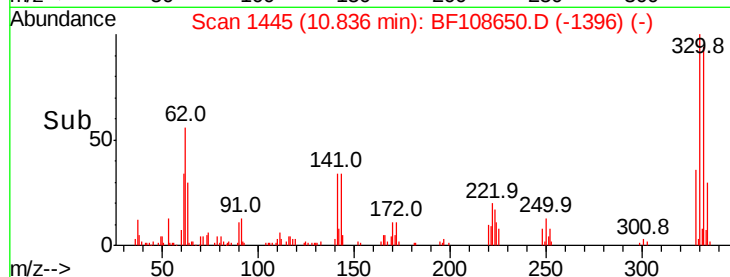
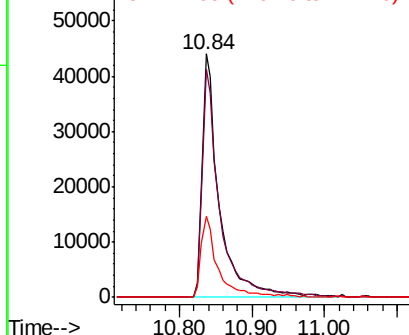
#41
 2,4,6-Tribromophenol
 Concen: 32.614 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108650.D
 Acq: 30 Aug 2018 19:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 72714
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 33.7 29.9 44.9

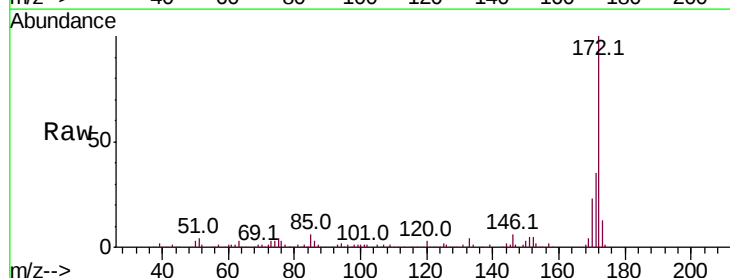


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

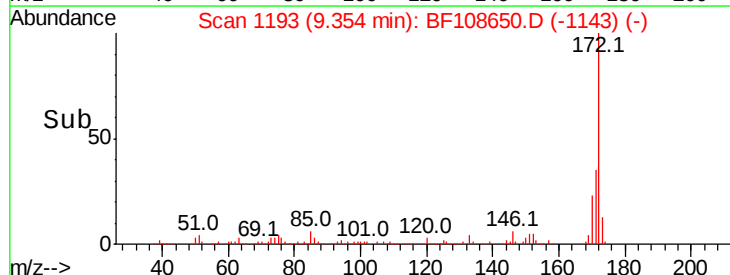
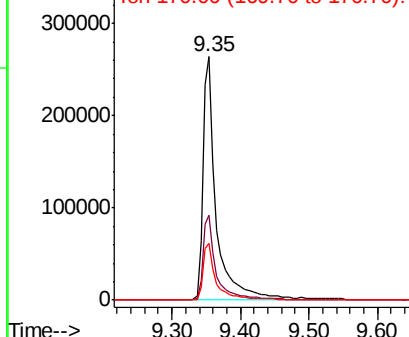


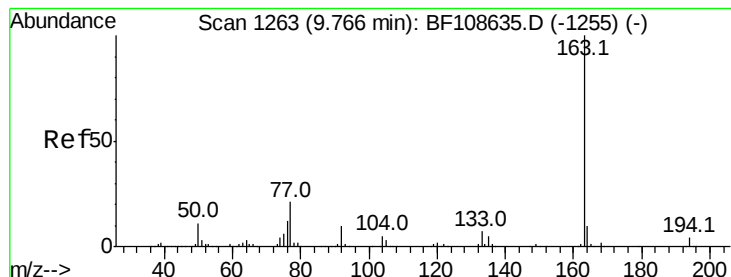
#44
 2-Fluorobiphenyl
 Concen: 29.258 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108650.D
 Acq: 30 Aug 2018 19:50

Tgt Ion:172 Resp: 367500
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.7 44.5
 170 23.2 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: 2.524 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Instrument :

BNA_F

ClientSampled :

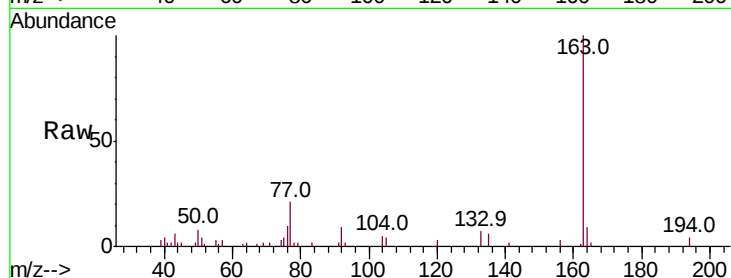
Tot Ion:163 Resp: 33569

Ion Ratio Lower Upper

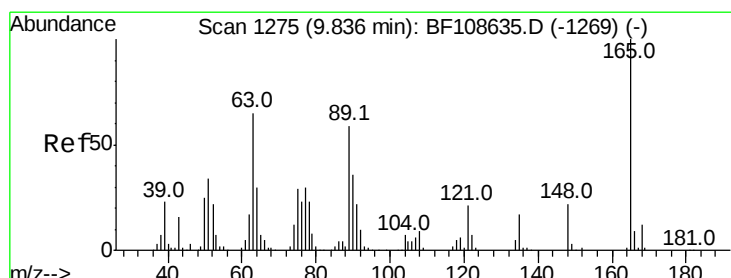
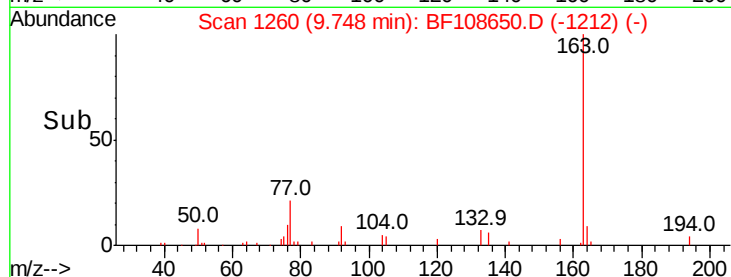
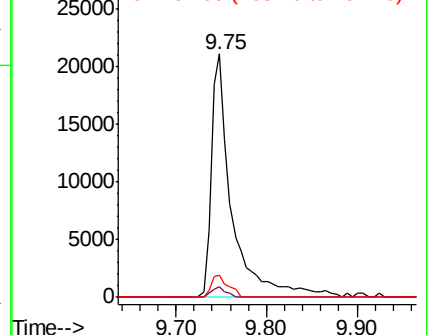
163 100

194 4.2 2.7 4.1#

164 9.2 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: 7.280 ng

RT: 10.04 min Scan# 1310

Delta R.T. 0.21 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

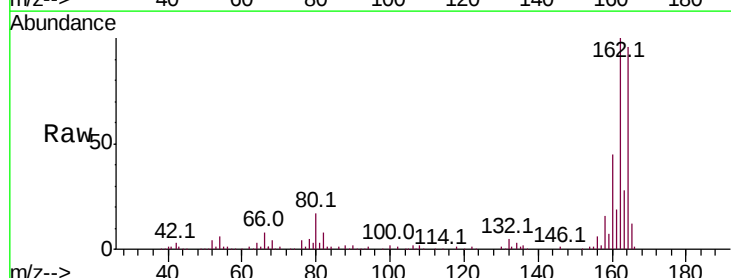
Tgt Ion:165 Resp: 21342

Ion Ratio Lower Upper

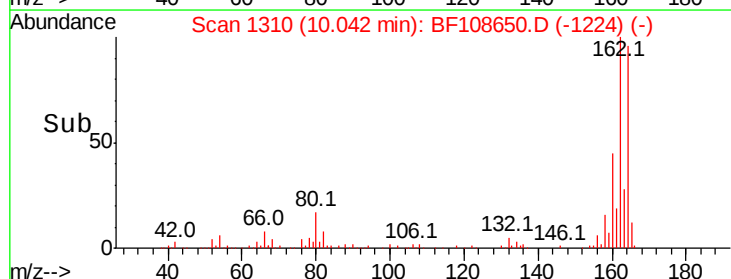
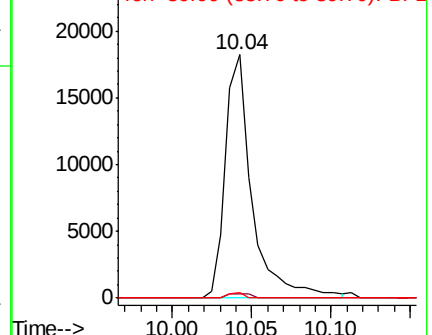
165 100

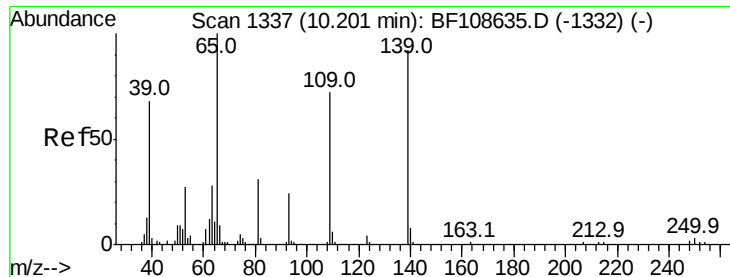
63 1.8 44.7 67.1#

89 2.1 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: 4.924 ng

RT: 10.26 min Scan# 1347

Delta R.T. 0.06 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Instrument :

BNA_F

ClientSampleId :

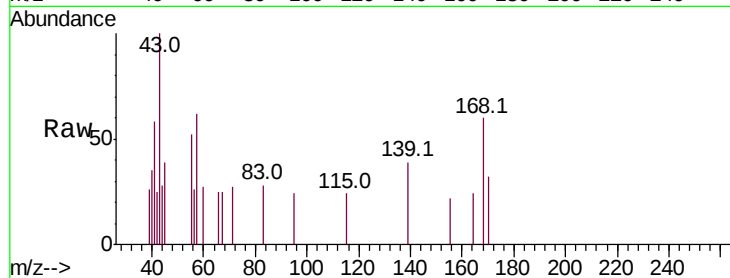
Tot Ion:139 Resp: 354

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

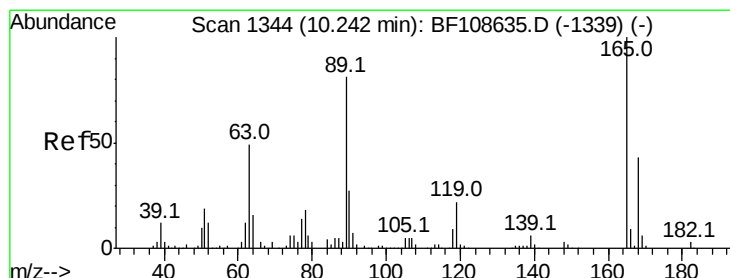
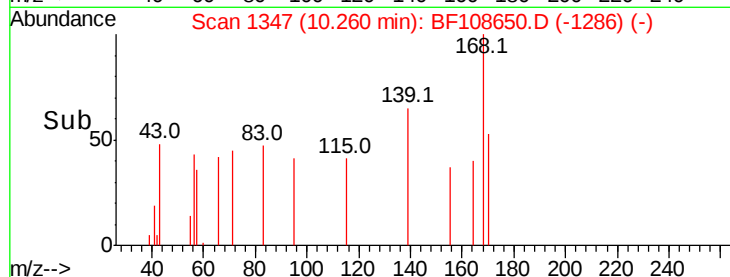
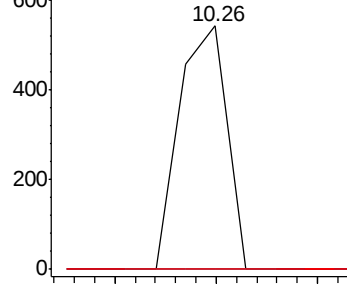
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 5.535 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.20 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Tgt Ion:165 Resp: 21483

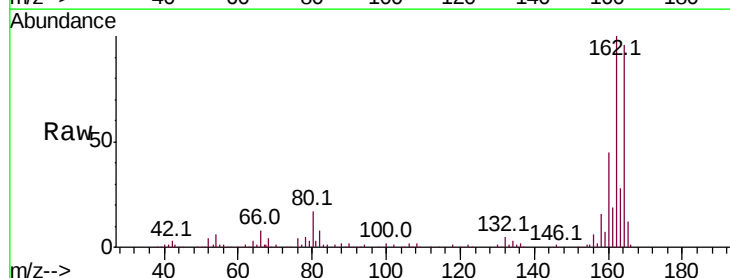
Ion Ratio Lower Upper

165 100

63 1.8 36.4 54.6#

89 2.1 57.8 86.6#

182 0.0 1.6 2.4#

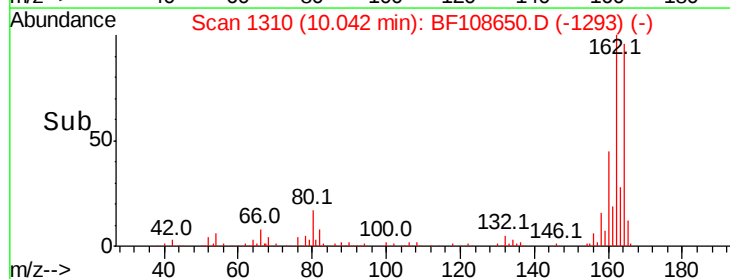
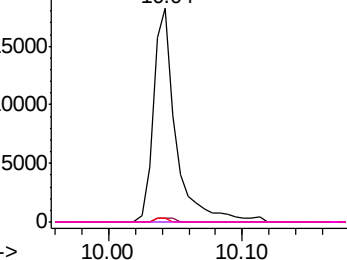


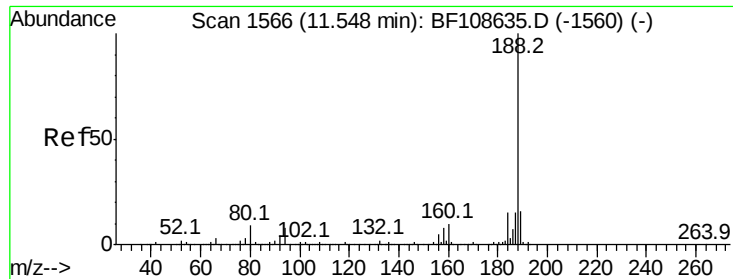
Abundance Ion 165.00 (164.70 to 165.70): E

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

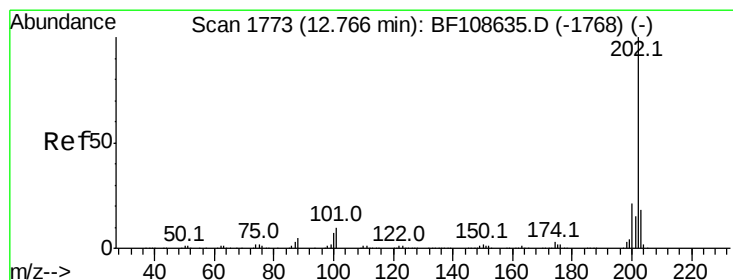
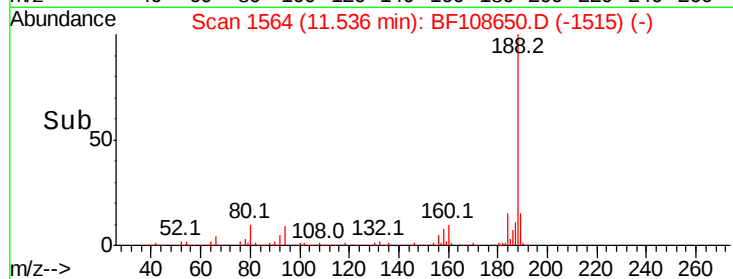
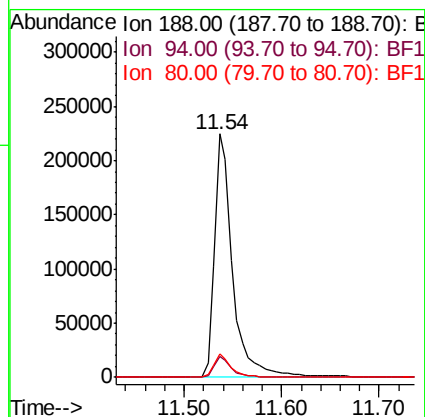
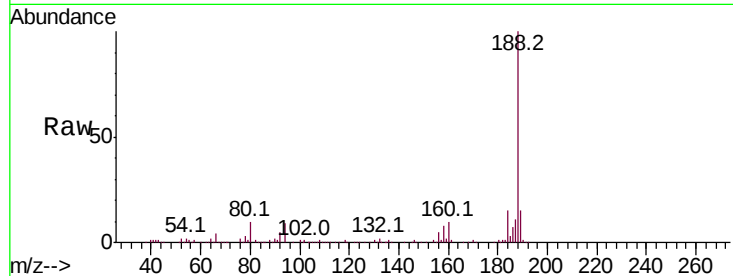




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108650.D
Acq: 30 Aug 2018 19:50

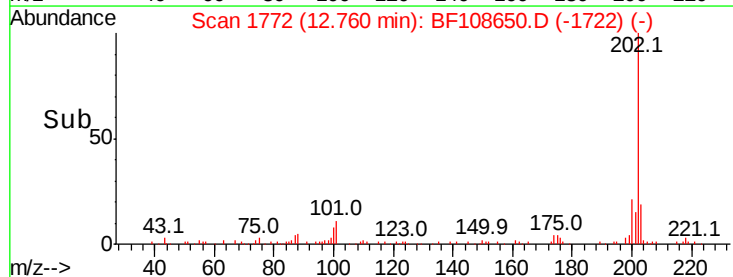
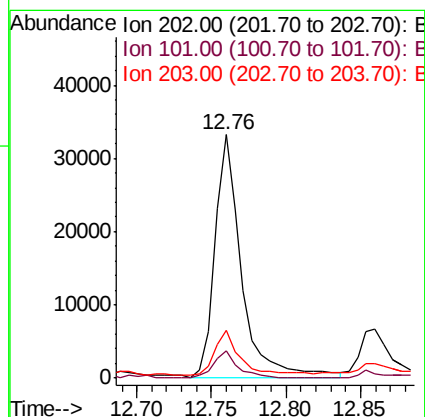
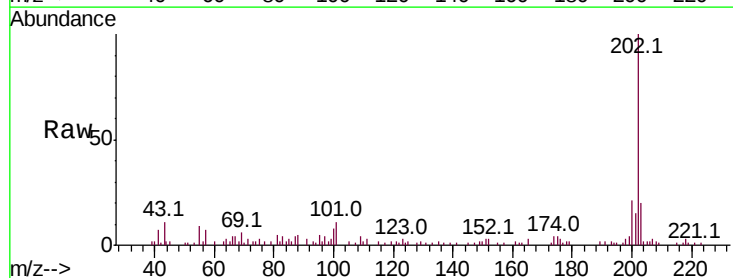
Instrument :
BNA_F
ClientSampleId :

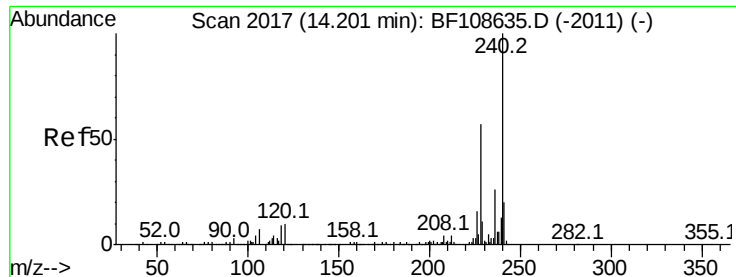
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.7	9.2	13.8



#74
Fluoranthene
Concen: 2.537 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108650.D
Acq: 30 Aug 2018 19:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.1
203	19.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Instrument :

BNA_F

ClientSampleId :

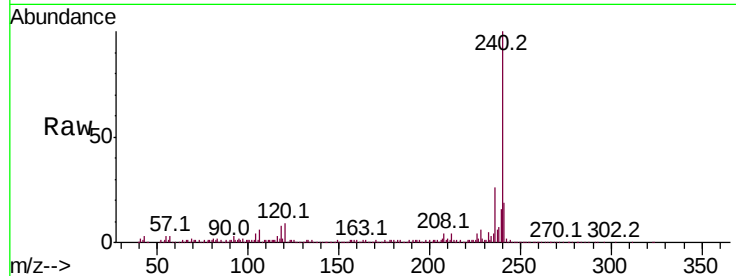
Tot Ion:240 Resp: 283112

Ion Ratio Lower Upper

240 100

120 8.7 9.5 14.3#

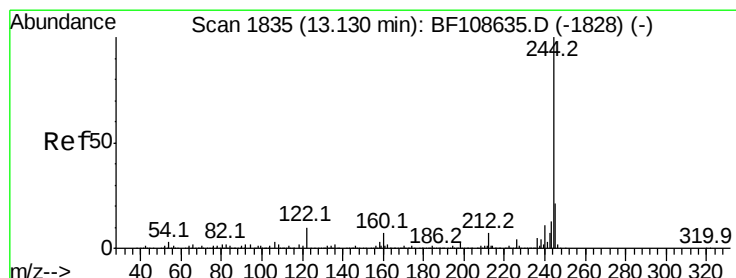
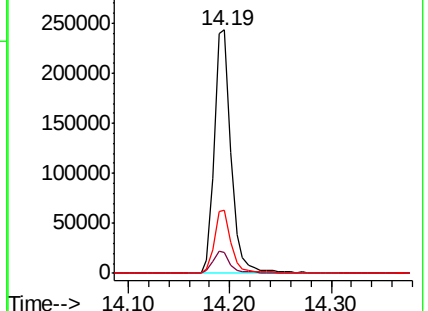
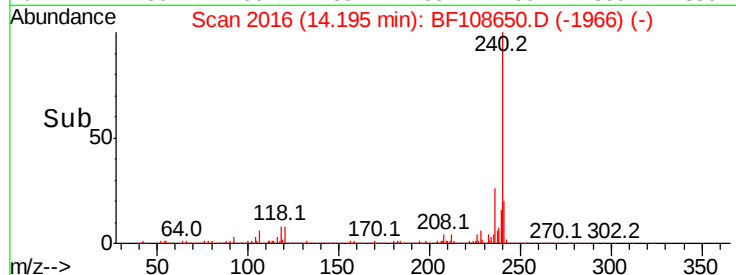
236 26.0 20.7 31.1



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



#78

Terphenyl-d14

Concen: 21.409 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

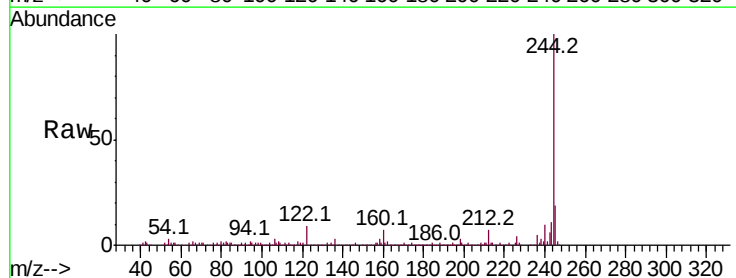
Tgt Ion:244 Resp: 311962

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

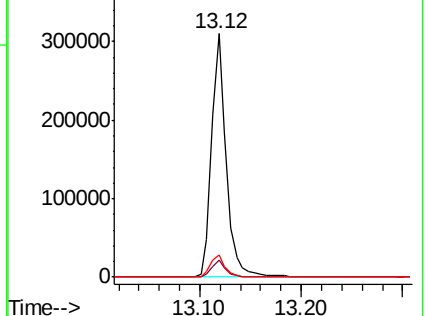
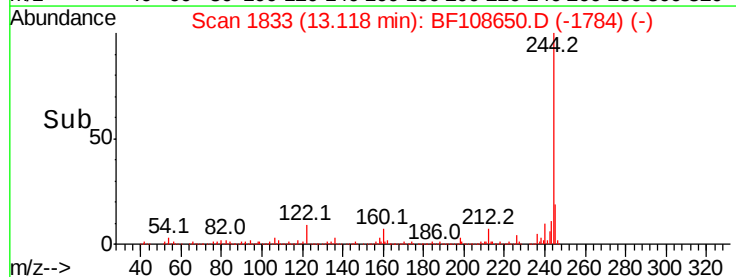
122 9.0 11.0 16.4#

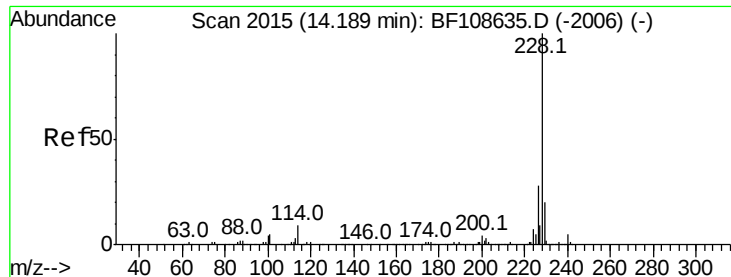


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

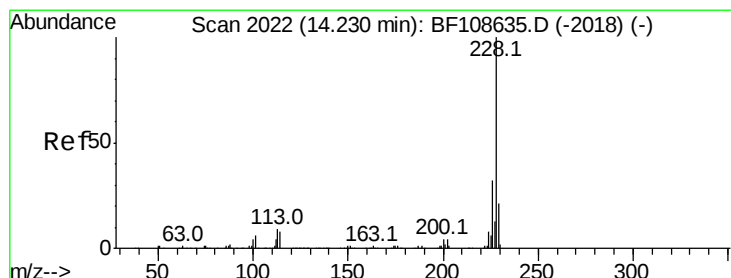
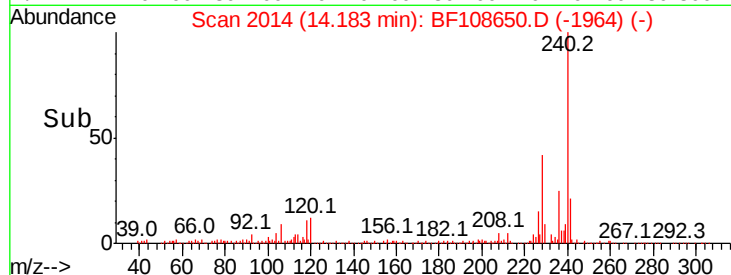
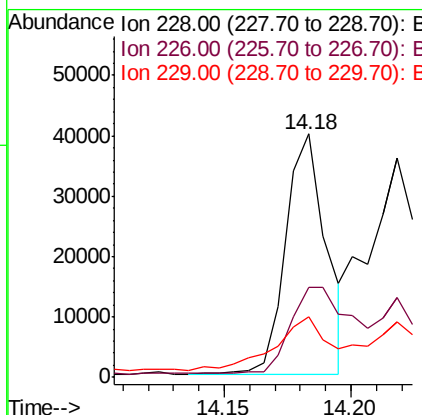
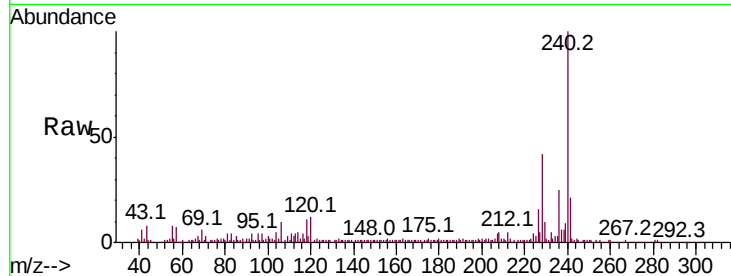




#80
Benzo(a)anthracene
Concen: 2.562 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108650.D
Acq: 30 Aug 2018 19:50

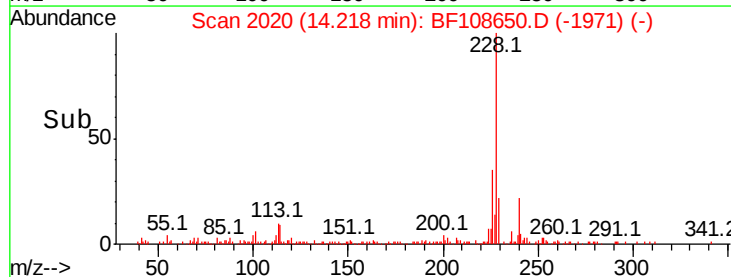
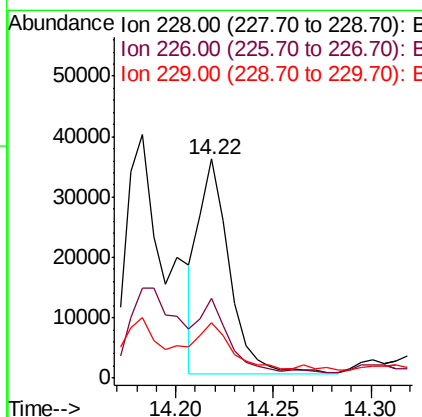
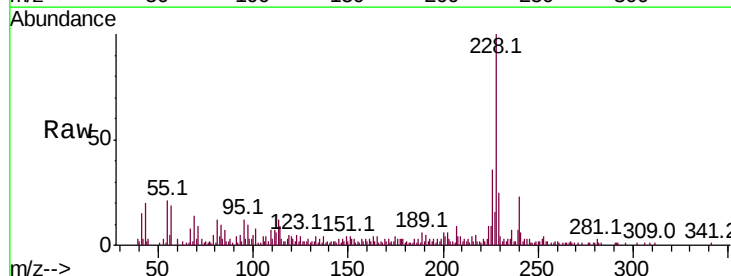
Instrument :
BNA_F
ClientSampleId :

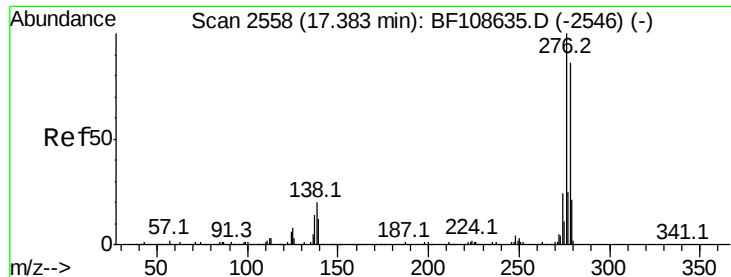
Tot Ion:228 Resp: 44213
Ion Ratio Lower Upper
228 100
226 37.2 22.6 33.8#
229 24.7 15.8 23.6#



#82
Chrysene
Concen: 2.337 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108650.D
Acq: 30 Aug 2018 19:50

Tgt Ion:228 Resp: 38797
Ion Ratio Lower Upper
228 100
226 36.5 25.0 37.6
229 25.1 16.2 24.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.687 ng

RT: 17.37 min Scan# 2555

Delta R.T. -0.02 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Instrument :

BNA_F

ClientSampleId :

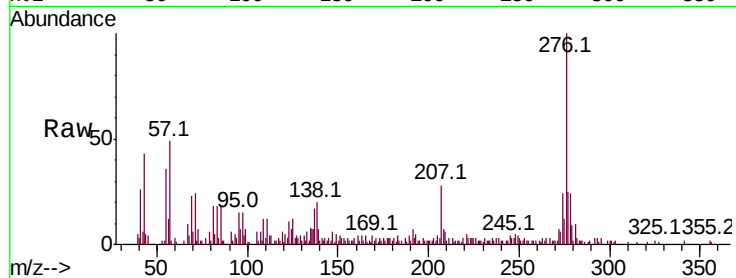
Tot Ion:276 Resp: 54088

Ion Ratio Lower Upper

276 100

138 17.7 25.0 37.6#

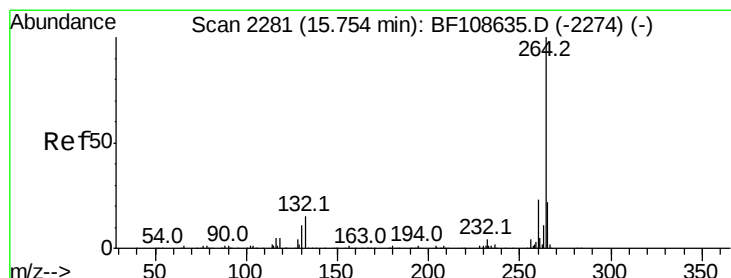
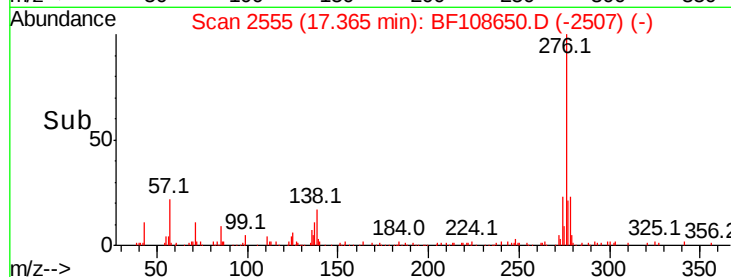
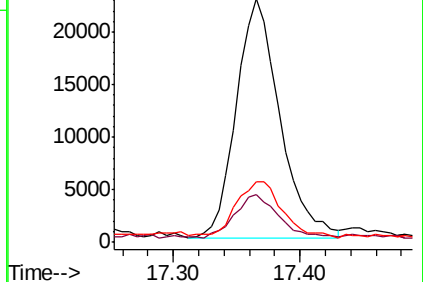
277 24.7 20.1 30.1



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: BF108650.D

Acq: 30 Aug 2018 19:50

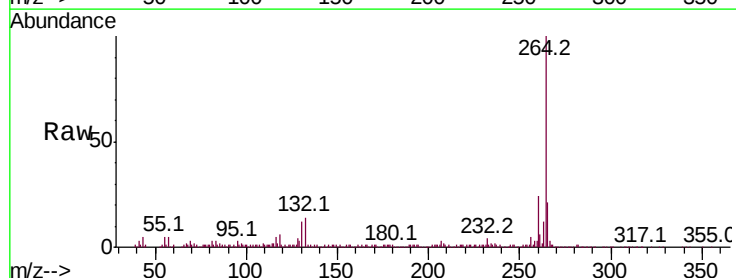
Tgt Ion:264 Resp: 282751

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

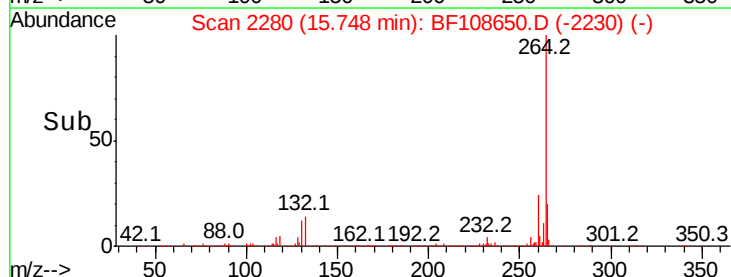
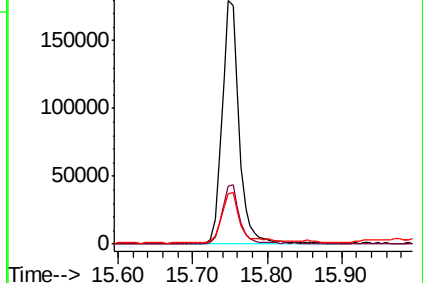
265 20.5 17.5 26.3

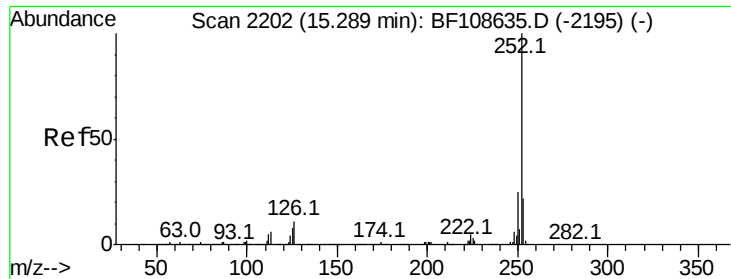


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

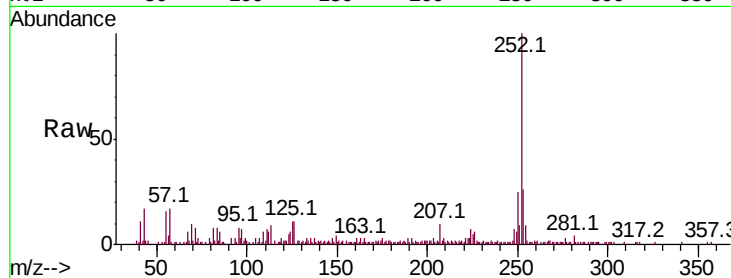




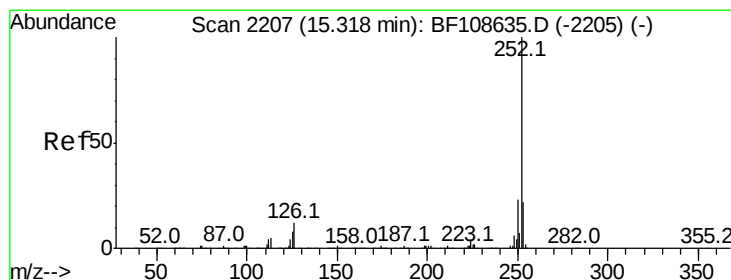
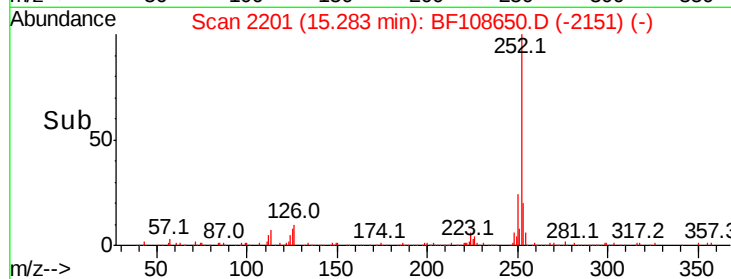
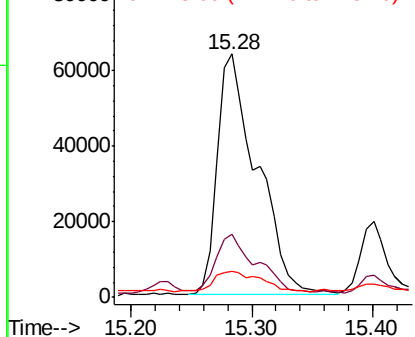
#87
Benzo(b)fluoranthene
Concen: 8.299 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108650.D
Acq: 30 Aug 2018 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.0	25.6#
125	10.8	9.0	13.6

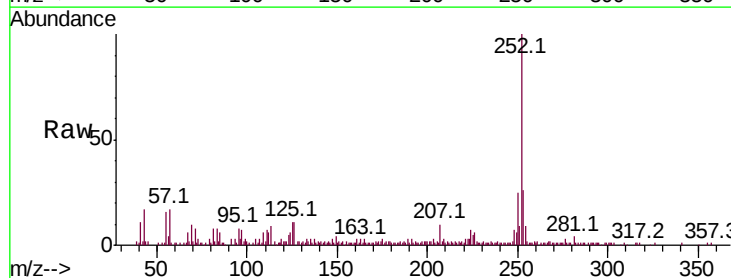


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

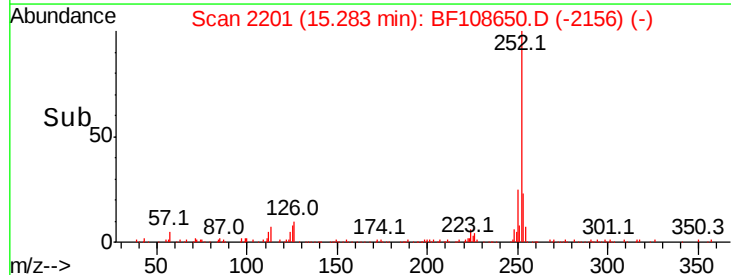
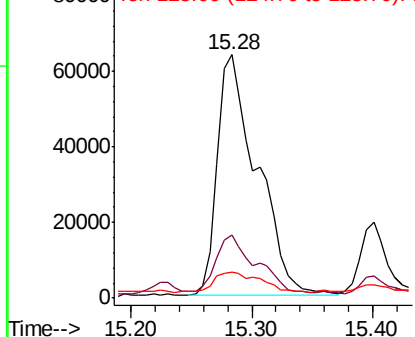


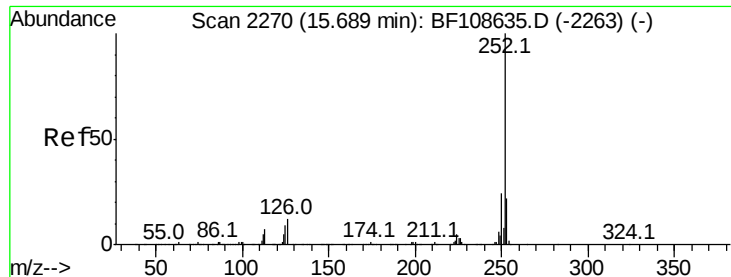
#88
Benzo(k)fluoranthene
Concen: 8.378 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF108650.D
Acq: 30 Aug 2018 19:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.9	26.9
125	10.8	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

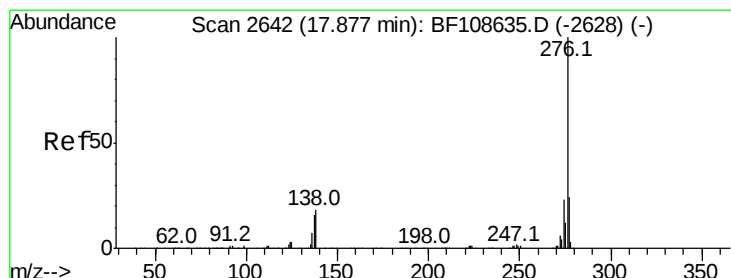
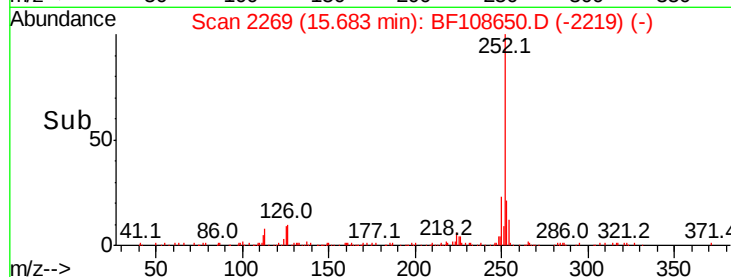
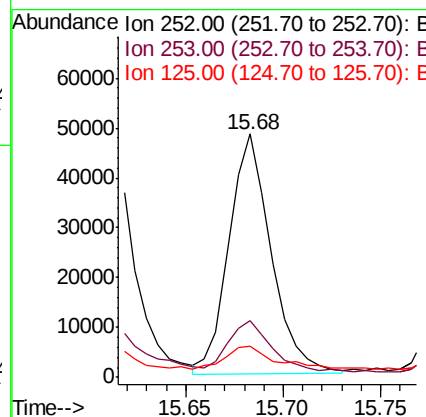
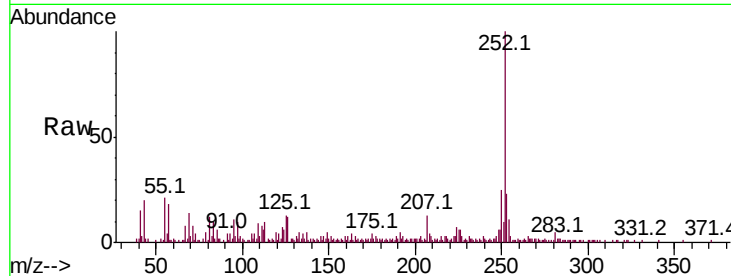




#89
Benzo(a)pyrene
Concen: 4.593 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108650.D
Acq: 30 Aug 2018 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	13.1	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 3.916 ng
RT: 17.86 min Scan# 2639
Delta R.T. -0.02 min
Lab File: BF108650.D
Acq: 30 Aug 2018 19:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	19.2	21.8	32.8#

