

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108549.D
 Acq On : 28 Aug 2018 9:33
 Operator : JU/SJ
 Sample : J4673-01
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 10:45:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	106298	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	366186	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	150257	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	269028	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	268635	20.00	ng	0.00
86) Perylene-d12	15.75	264	202295	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	525557	89.51	ng	0.00
7) Phenol-d6	6.62	99	687611	88.13	ng	-0.01
23) Nitrobenzene-d5	7.56	82	436921	66.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	131379	87.66	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	708203	75.67	ng	-0.01
78) Terphenyl-d14	13.12	244	679224	64.29	ng	0.00

Target Compounds

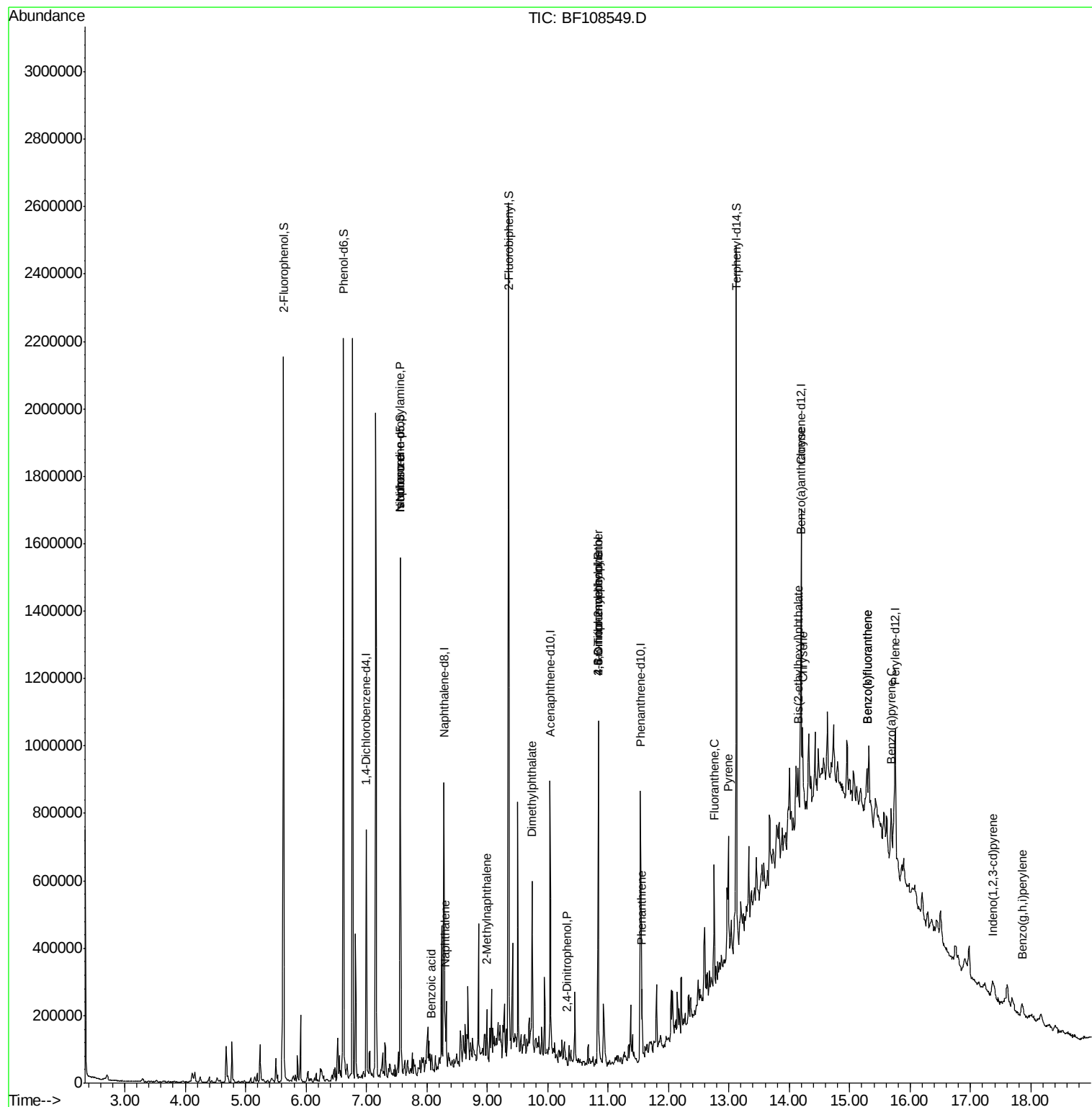
						Qvalue
19) n-Nitroso-di-n-propylamine	7.56	70	64199	12.168	ng	# 84
25) Isophorone	7.56	82	436579	34.904	ng	# 64
31) Naphthalene	8.30	128	50642	3.041	ng	99
32) Benzoic acid	8.07	122	237	6.039	ng	# 1
37) 2-Methylnaphthalene	9.00	142	36485	3.097	ng	96
49) Dimethylphthalate	9.74	163	147823	14.123	ng	# 99
53) 2,4-Dinitrophenol	10.32	184	107	7.140	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.83	198	313	5.634	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	8154	2.789	ng	# 1
70) Phenanthrene	11.56	178	65603	5.170	ng	98
74) Fluoranthene	12.76	202	132944	9.600	ng	94
77) Pvrene	12.99	202	136045	7.999	ng	99
80) Benzo(a)anthracene	14.18	228	73478	4.766	ng	# 91
82) Chrysene	14.22	228	89342	6.321	ng	# 96
83) Bis(2-ethylhexyl)phthalate	14.14	149	37526	4.103	ng	# 93
85) Indeno(1,2,3-cd)pyrene	17.37	276	28910	2.361	ng	# 88
87) Benzo(b)fluoranthene	15.28	252	107642	8.905	ng	# 84
88) Benzo(k)fluoranthene	15.28	252	107642	9.687	ng	# 86
89) Benzo(a)pvrene	15.68	252	50941	4.706	ng	# 81
91) Benzo(a,h,i)perylene	17.85	276	31635	3.587	ng	# 87

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

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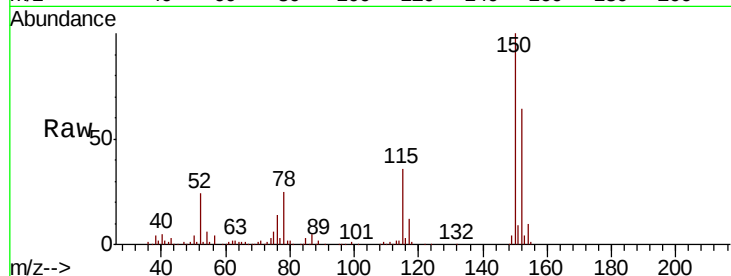


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	56.6	50.1	75.1

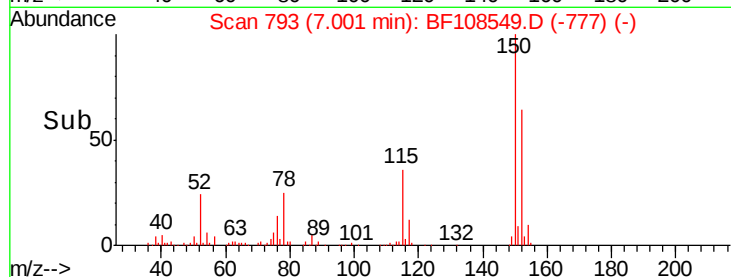
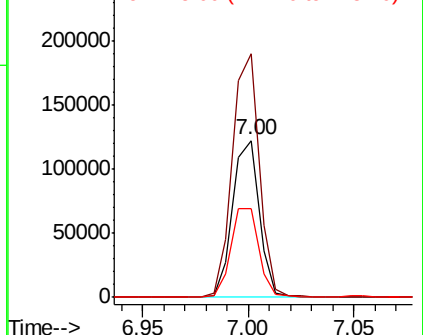


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

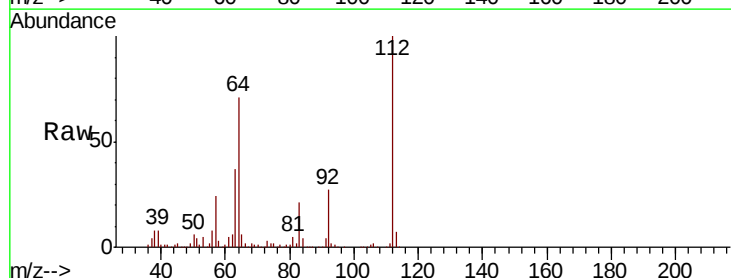
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.512 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.6	47.9	71.9
63	37.4	23.7	35.5

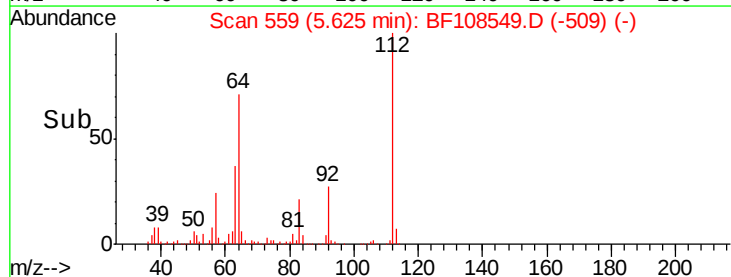
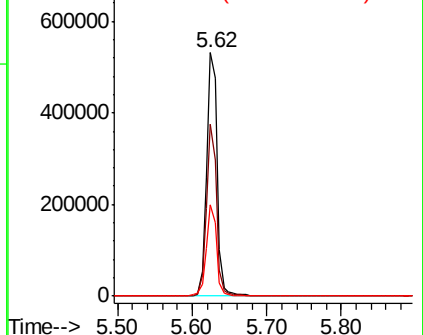


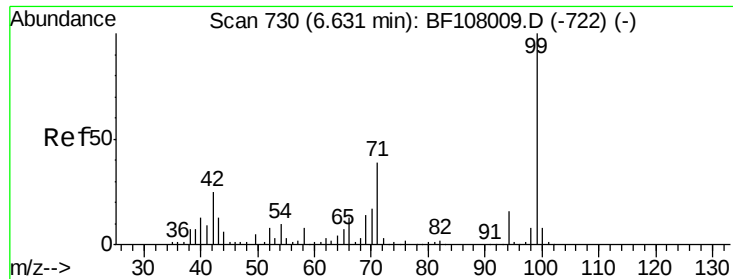
Abundance

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: 88.130 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Instrument :

BNA_F

ClientSampled :

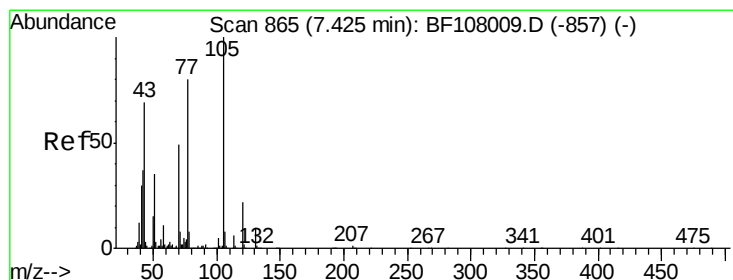
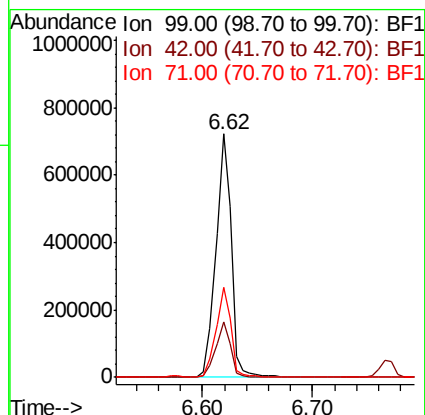
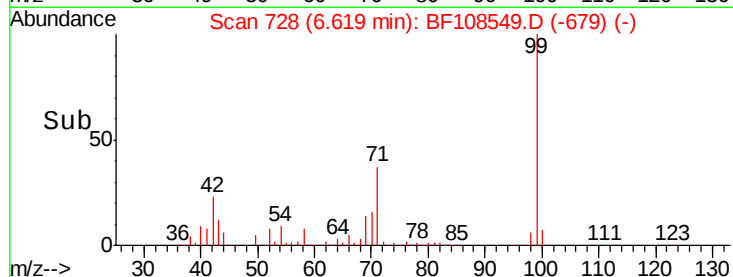
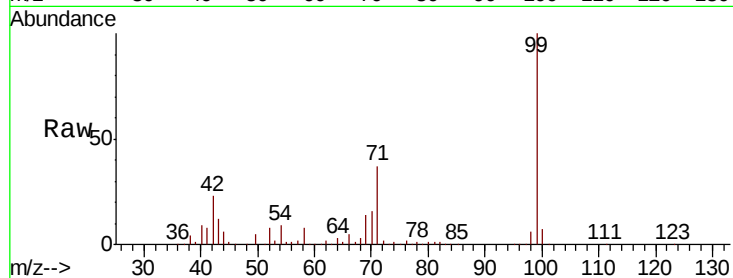
Tot Ion: 99 Resp: 687611

Ion Ratio Lower Upper

99 100

42 22.8 14.5 21.7#

71 36.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.168 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Tgt Ion: 70 Resp: 64199

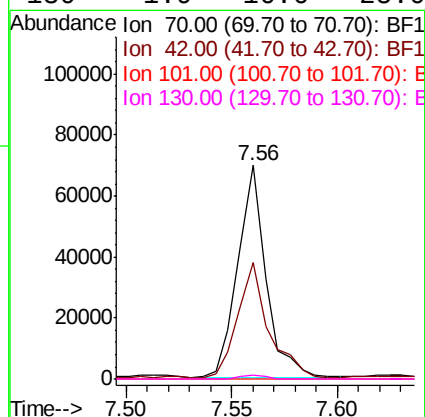
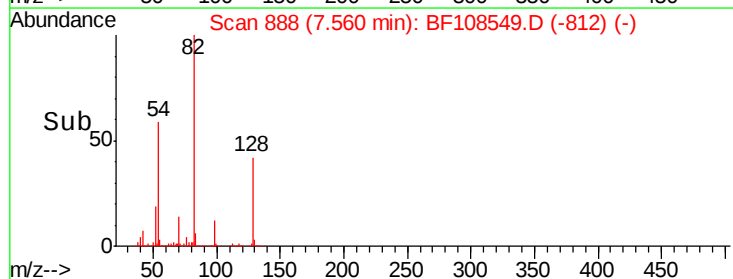
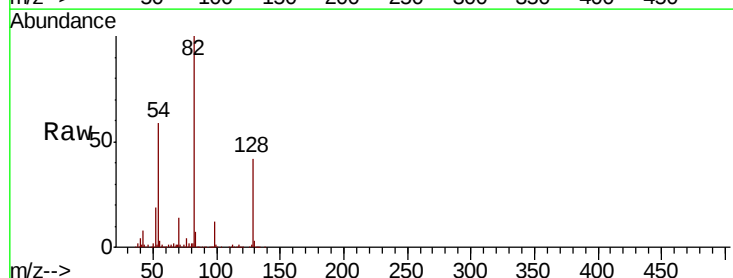
Ion Ratio Lower Upper

70 100

42 54.4 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 366186

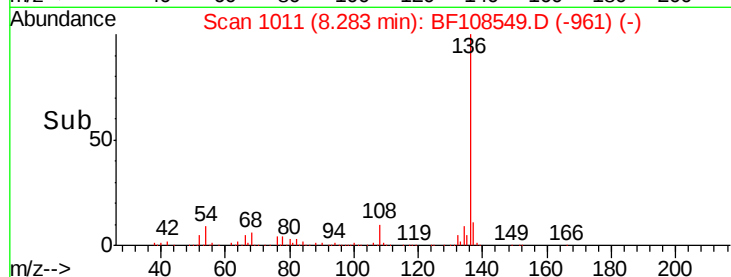
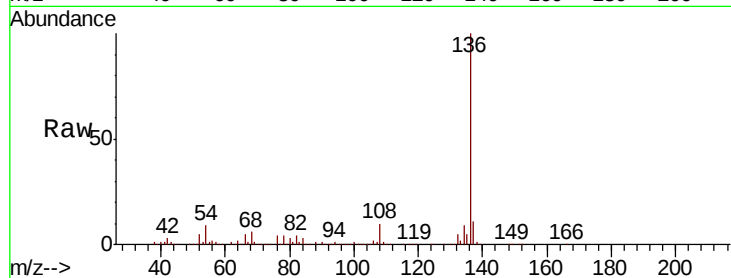
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.3 6.6 9.8

68 5.6 5.0 7.4

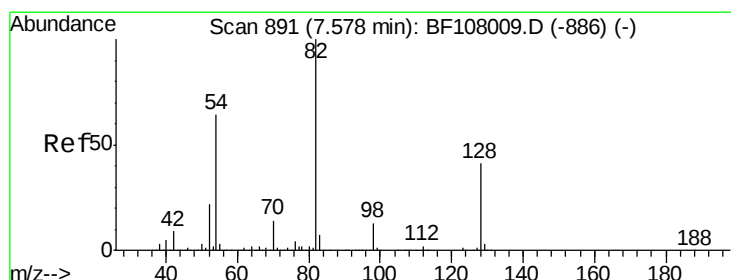
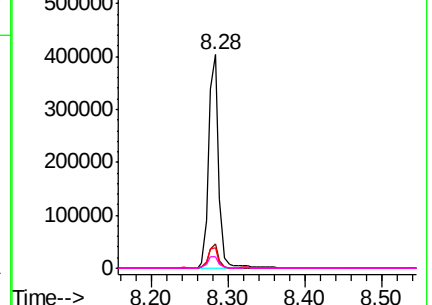


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.580 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

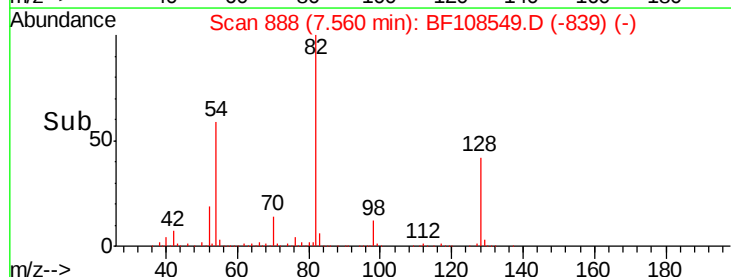
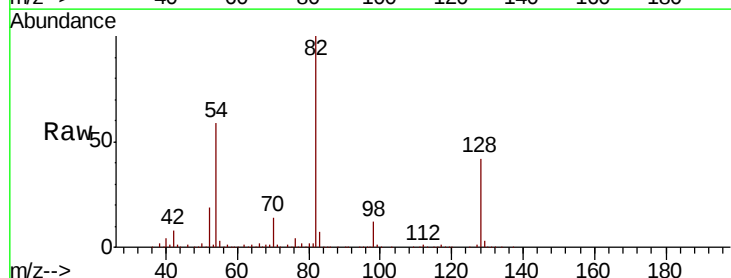
Tgt Ion: 82 Resp: 436921

Ion Ratio Lower Upper

82 100

128 42.0 36.1 54.1

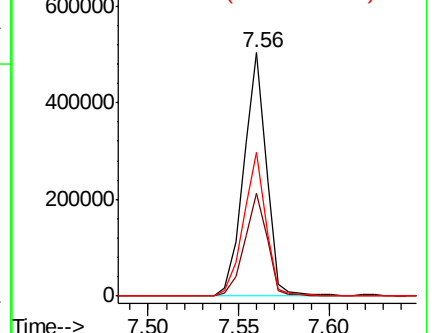
54 59.2 41.4 62.2

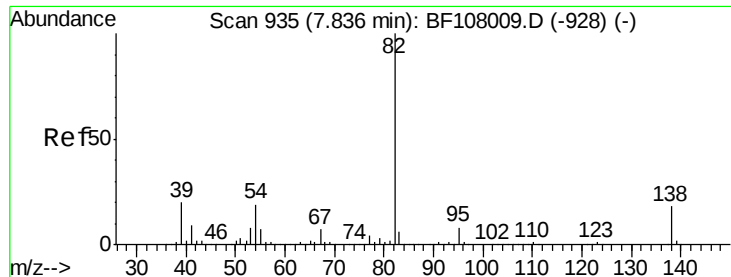


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.904 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Instrument :

BNA_F

ClientSampleId :

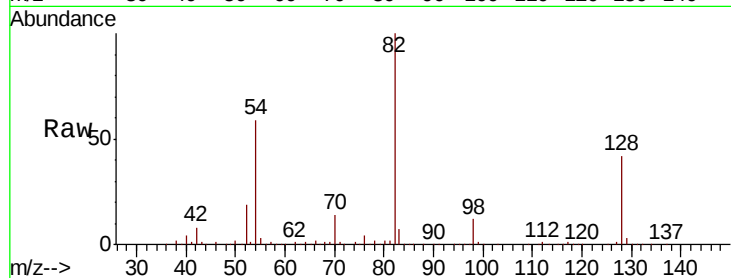
Tot Ion: 82 Resp: 436579

Ion Ratio Lower Upper

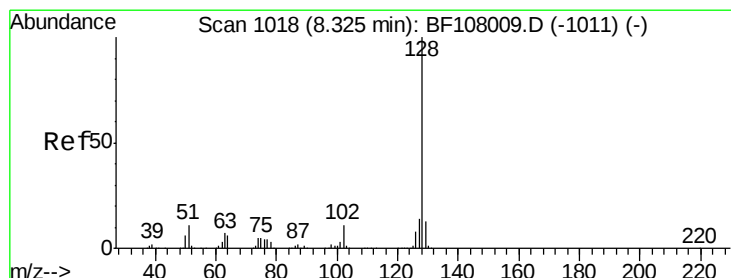
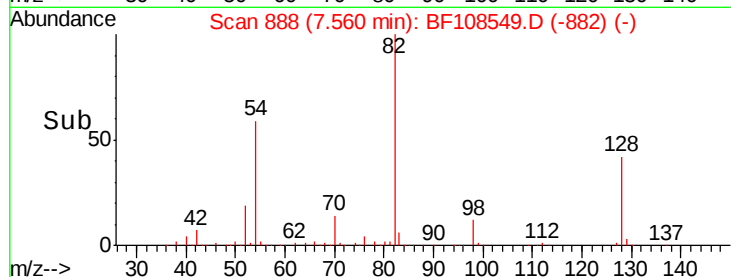
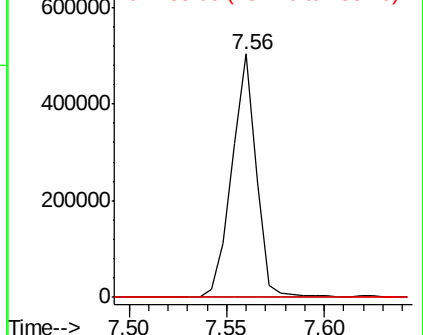
82 100

95 0.2 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



#31

Naphthalene

Concen: 3.041 ng

RT: 8.30 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

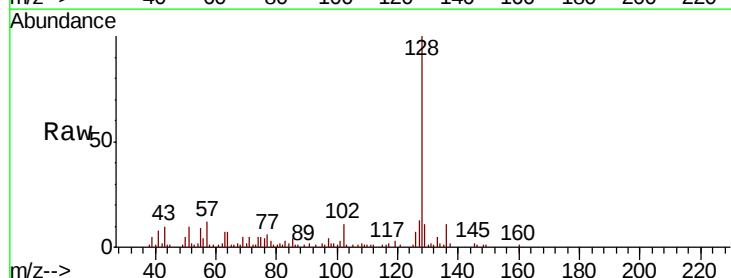
Tgt Ion: 128 Resp: 50642

Ion Ratio Lower Upper

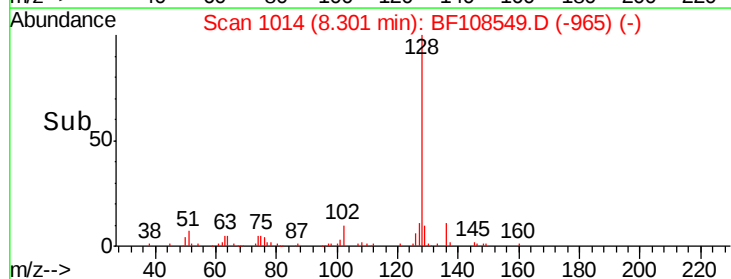
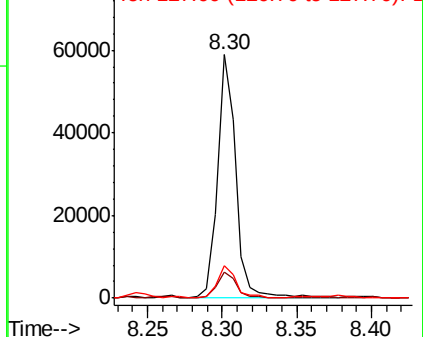
128 100

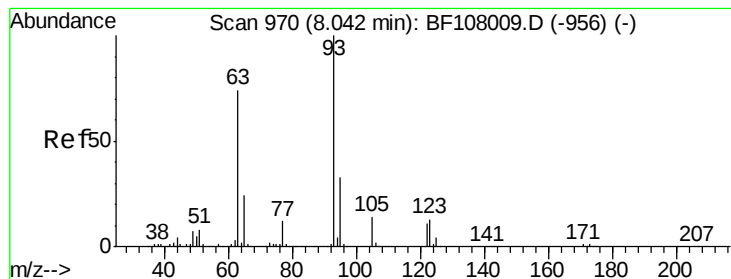
129 10.8 8.8 13.2

127 13.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 6.039 ng

RT: 8.07 min Scan# 974

Delta R.T. 0.03 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Instrument :

BNA_F

ClientSampleId :

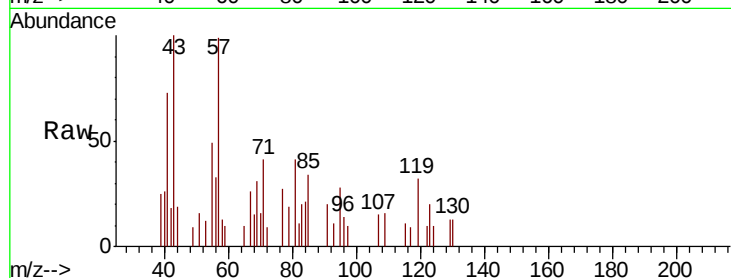
Tot Ion:122 Resp: 237

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

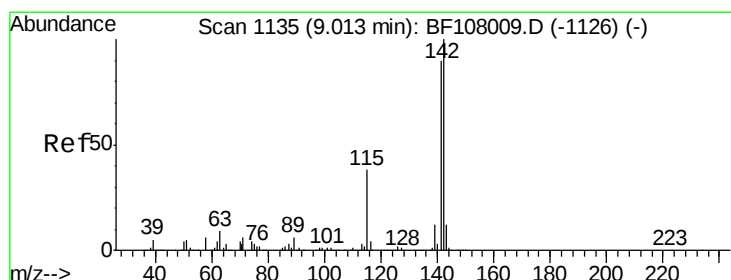
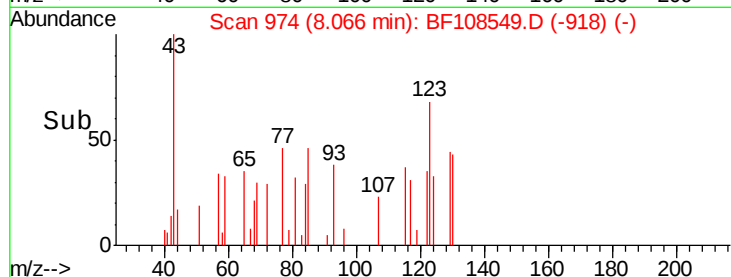
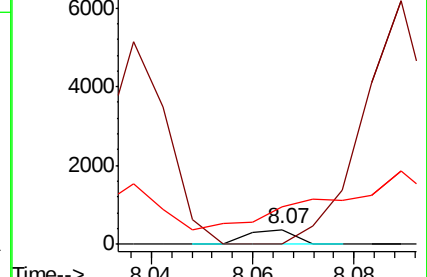
77 259.3 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#37

2-Methylnaphthalene

Concen: 3.097 ng

RT: 9.00 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

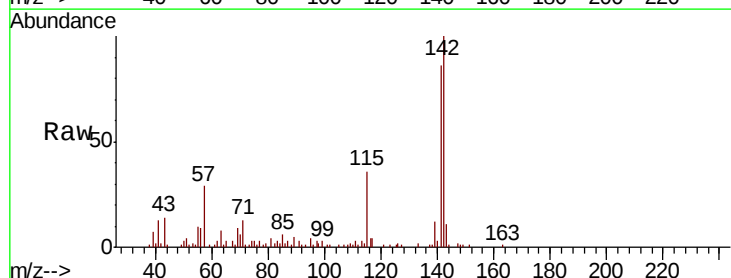
Tgt Ion:142 Resp: 36485

Ion Ratio Lower Upper

142 100

141 86.1 70.8 106.2

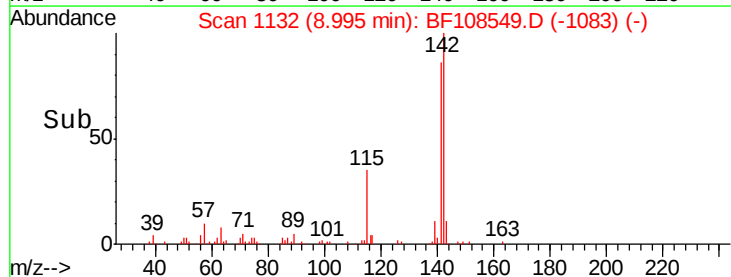
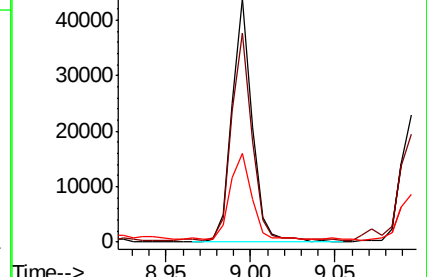
115 36.4 26.1 39.1

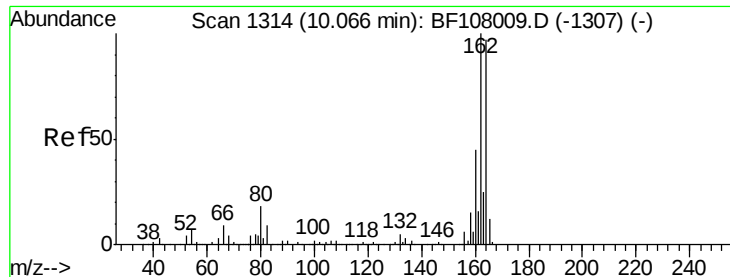


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

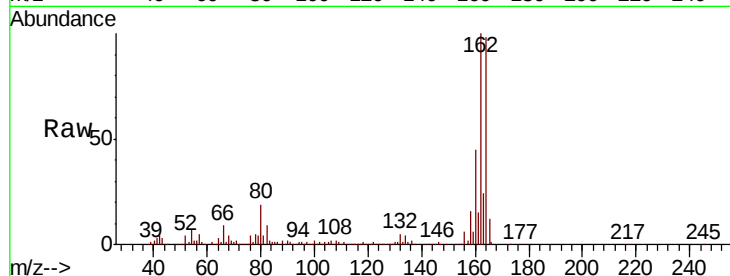




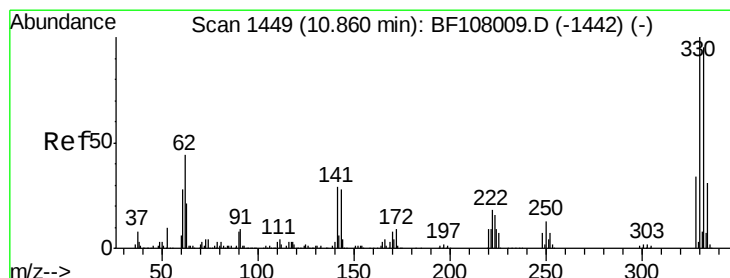
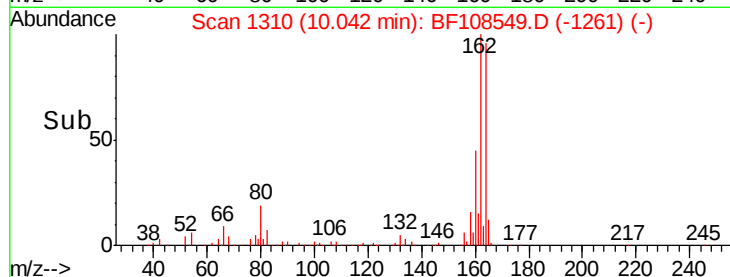
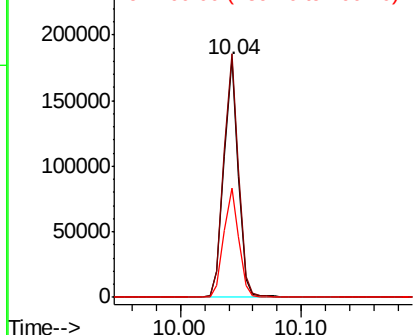
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108549.D
 Acq: 28 Aug 2018 9:33

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	86.1	129.1
160	46.1	38.3	57.5

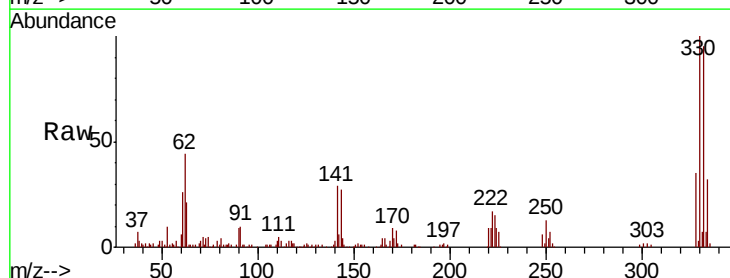


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

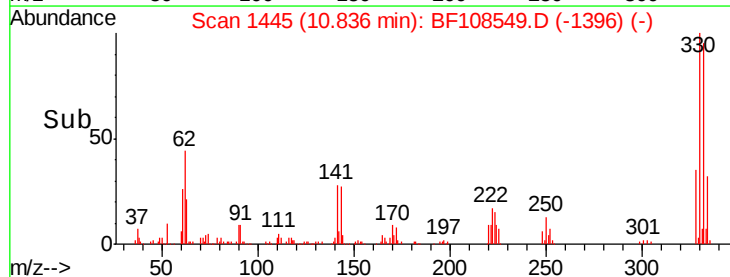
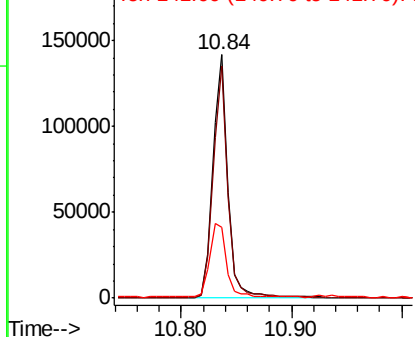


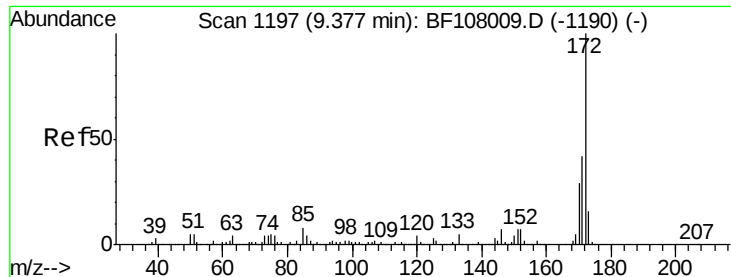
#41
 2,4,6-Tribromophenol
 Concen: 87.658 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108549.D
 Acq: 28 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.0	115.6
141	33.4	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

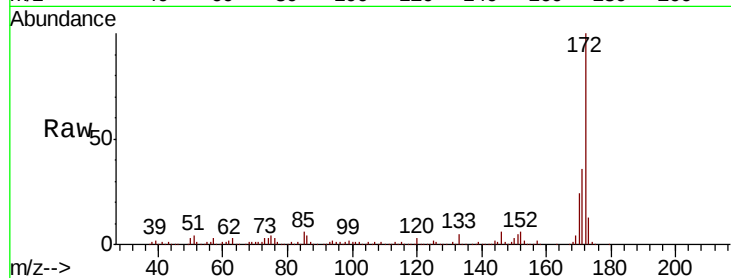




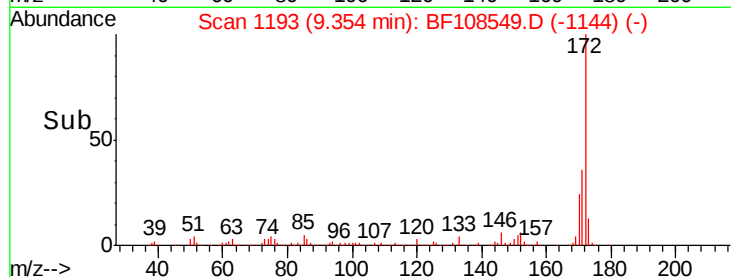
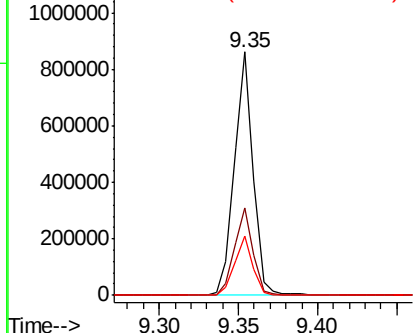
#44
 2-Fluorobiphenyl
 Concen: 75.670 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108549.D
 Acq: 28 Aug 2018 9:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.2	19.6	29.4

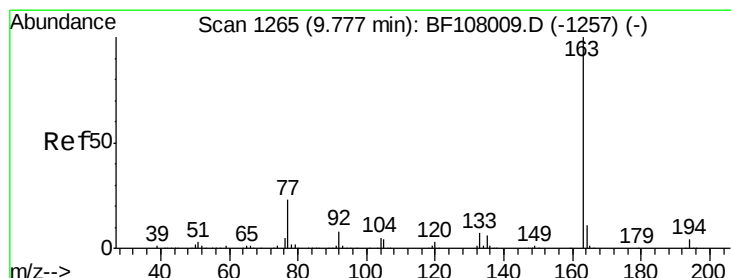


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

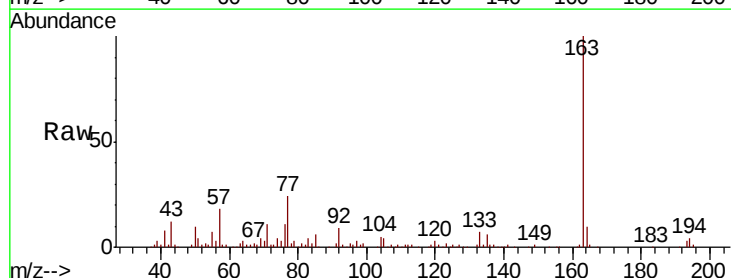
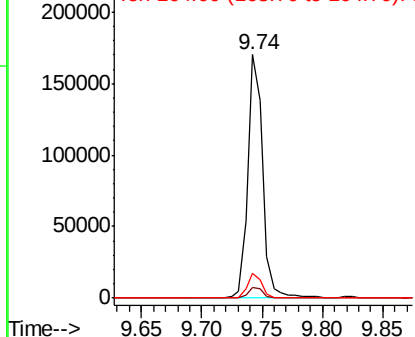


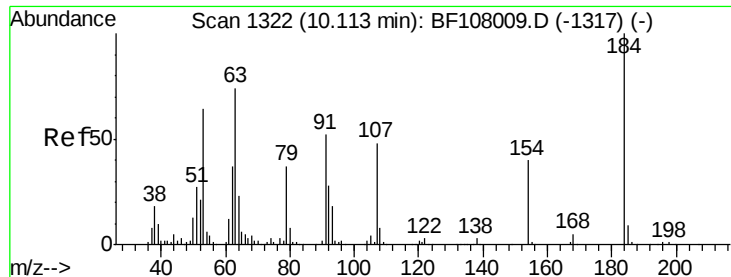
#49
 Dimethylphthalate
 Concen: 14.123 ng
 RT: 9.74 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: BF108549.D
 Acq: 28 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.7	4.1#
164	10.4	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

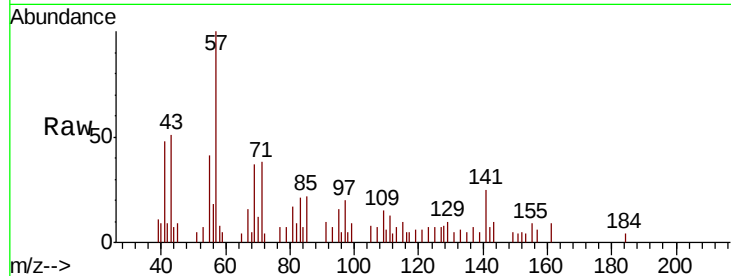




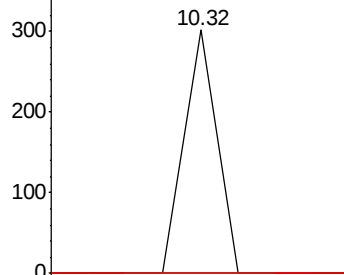
#53
 2,4-Dinitrophenol
 Concen: 7.140 ng
 RT: 10.32 min Scan# 1357
 Delta R.T. 0.21 min
 Lab File: BF108549.D
 Acq: 28 Aug 2018 9:33

Instrument :
 BNA_F
 ClientSampleId :

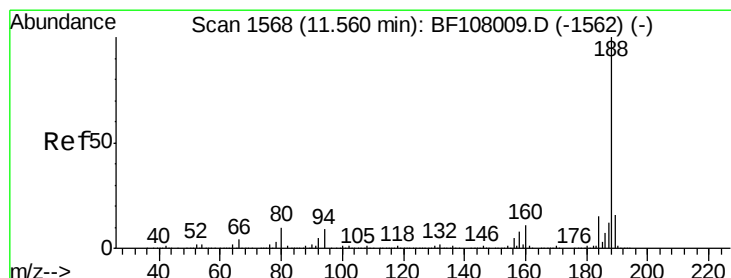
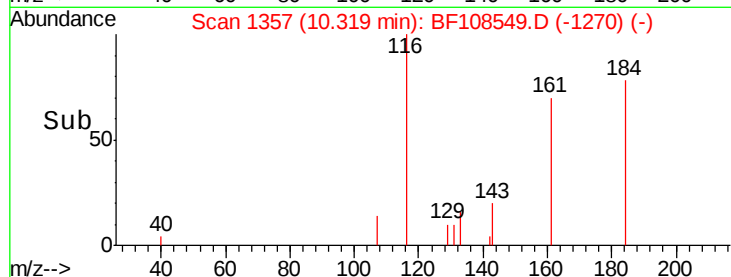
Tot Ion:184 Resp: 107
 Ion Ratio Lower Upper
 184 100
 63 0.0 54.2 81.2#
 154 0.0 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

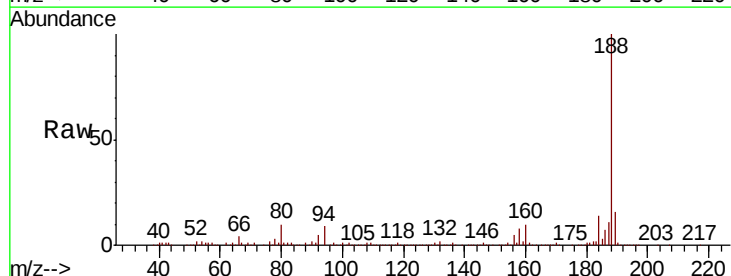


Time--> 10.30 10.32

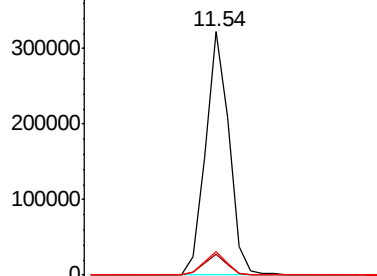


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108549.D
 Acq: 28 Aug 2018 9:33

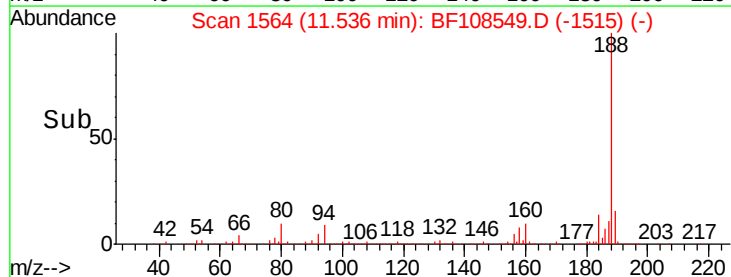
Tgt Ion:188 Resp: 269028
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.5 12.7
 80 9.6 9.2 13.8

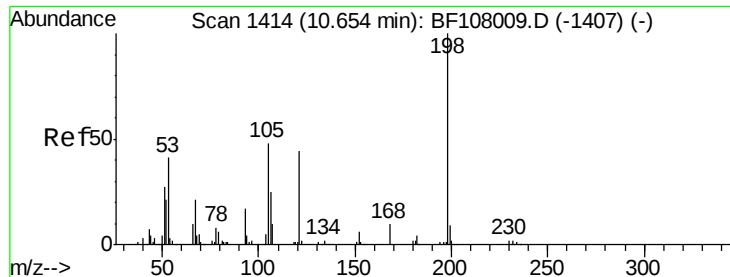


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1



Time--> 11.50 11.55 11.60

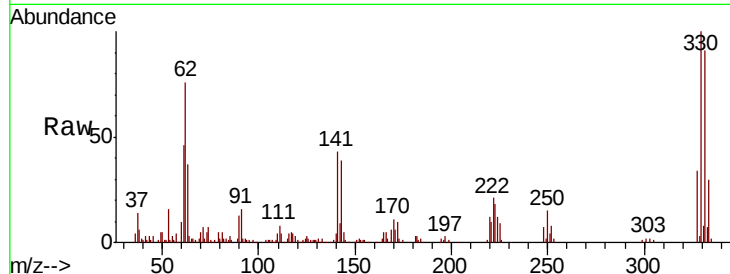




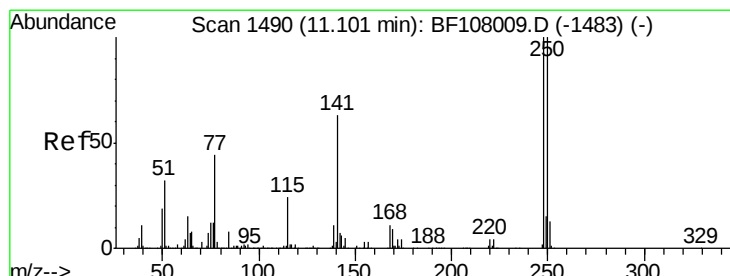
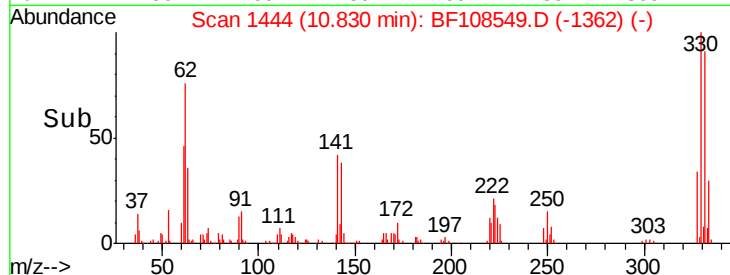
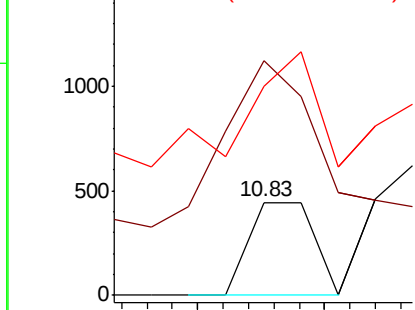
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.634 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. 0.18 min
 Lab File: BF108549.D
 Acq: 28 Aug 2018 9:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 313
 Ion Ratio Lower Upper
 198 100
 51 252.1 37.7 77.7#
 105 224.3 36.3 76.3#

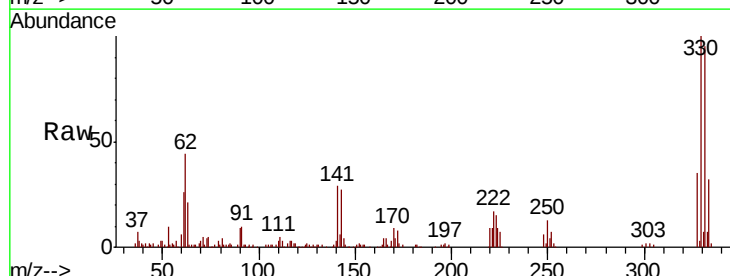


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

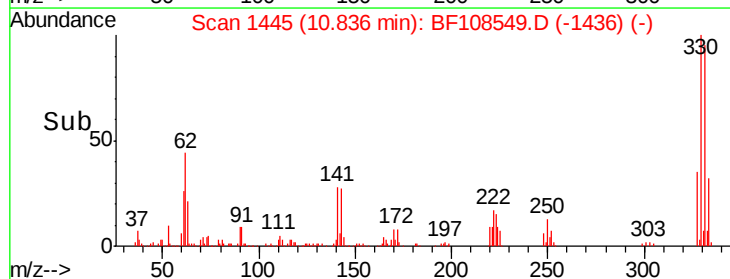
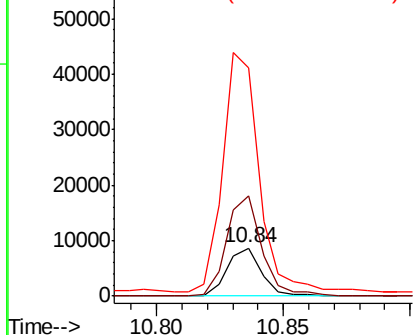


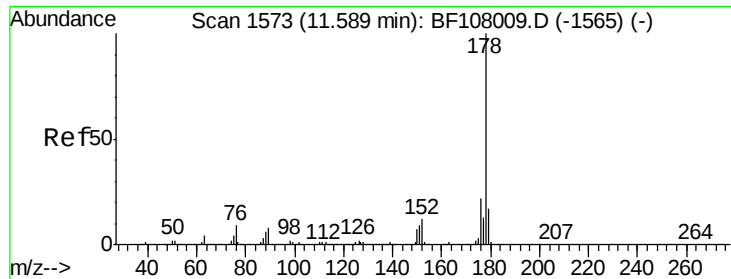
#66
 4-Bromophenyl-phenylether
 Concen: 2.789 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108549.D
 Acq: 28 Aug 2018 9:33

Tgt Ion:248 Resp: 8154
 Ion Ratio Lower Upper
 248 100
 250 208.4 76.9 115.3#
 141 474.4 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

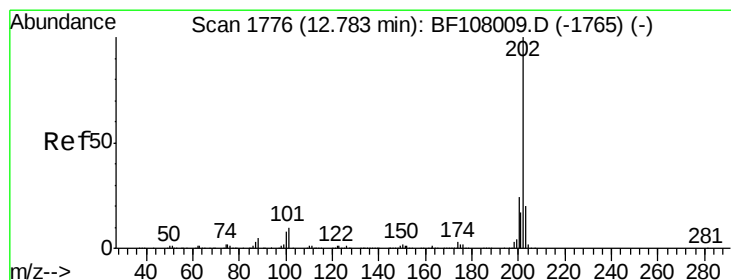
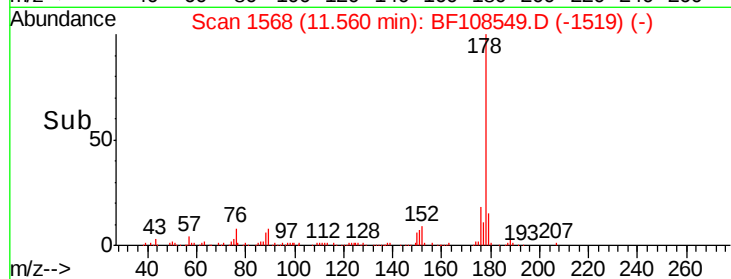
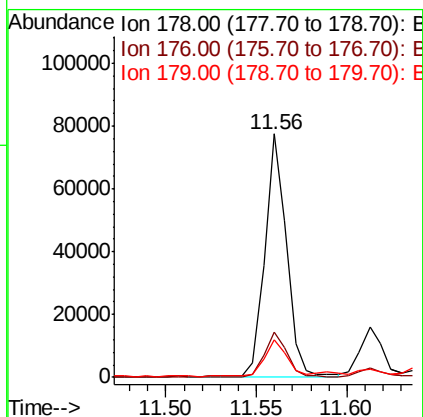
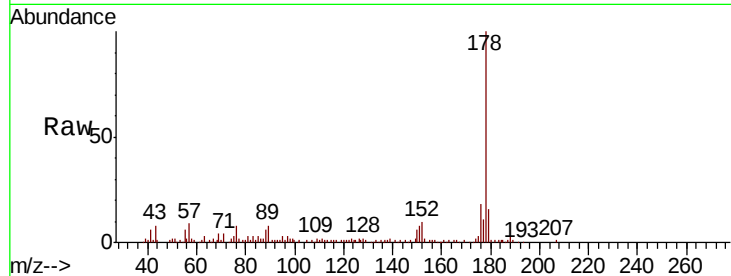




#70
Phenanthrene
Concen: 5.170 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

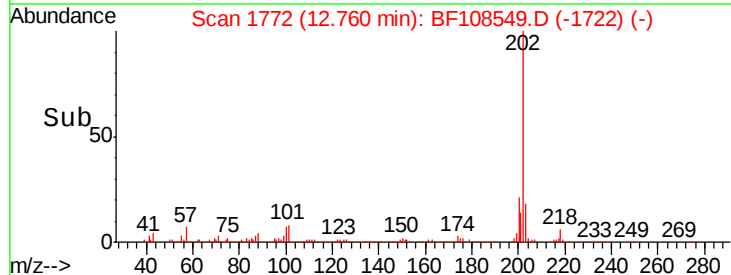
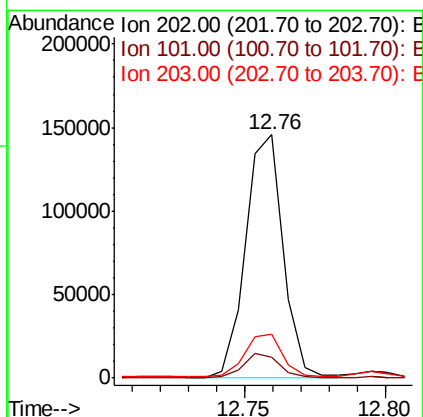
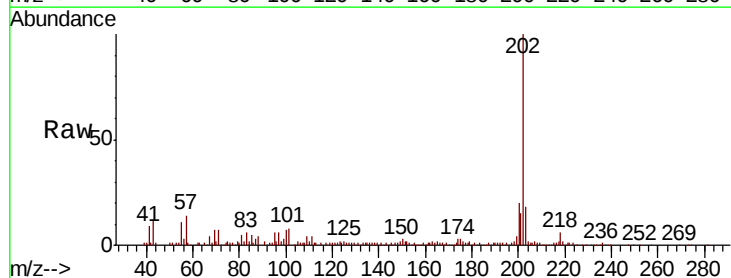
Instrument :
BNA_F
ClientSampled :

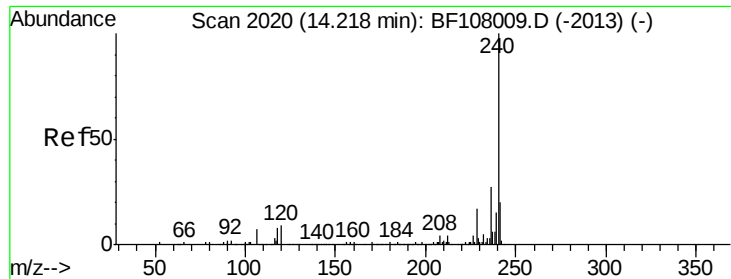
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.6	13.0	19.6



#74
Fluoranthene
Concen: 9.600 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	34.1
203	18.1	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: BF108549.D

Acq: 28 Aug 2018 9:33

Instrument :

BNA_F

ClientSampleId :

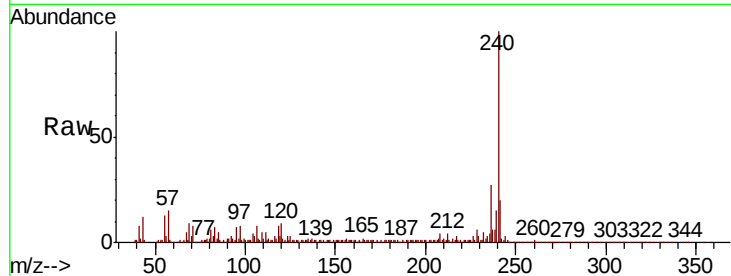
Tot Ion:240 Resp: 268635

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

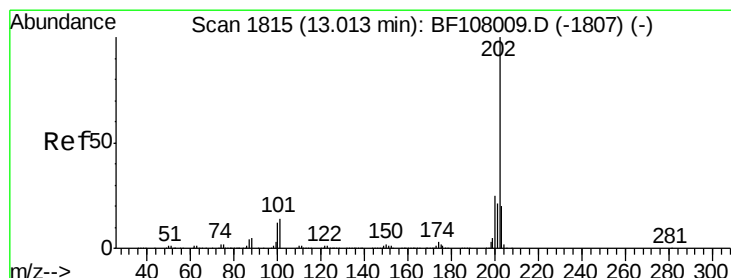
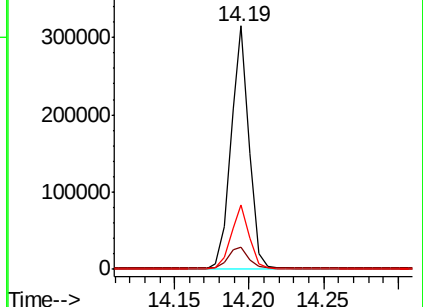
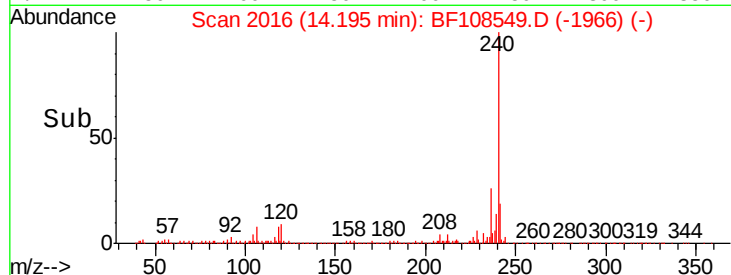
236 26.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 7.999 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

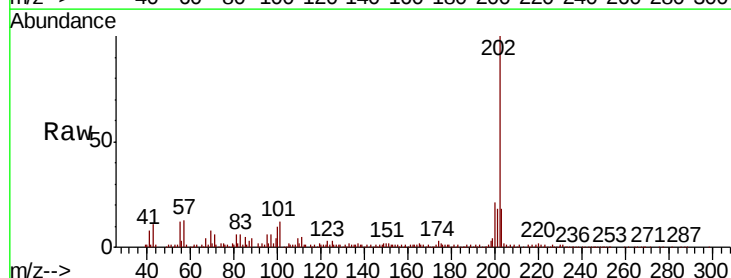
Tgt Ion:202 Resp: 136045

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

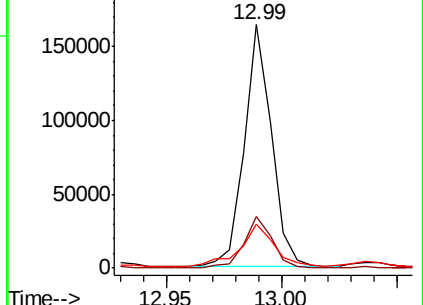
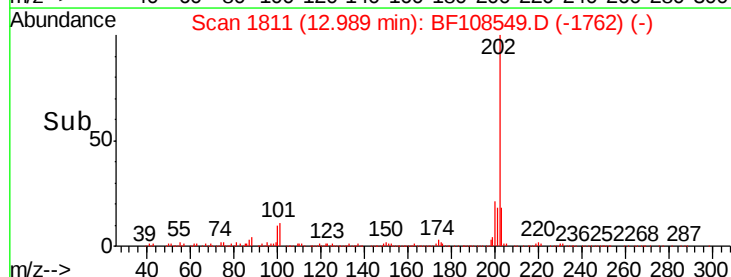
203 18.1 14.3 21.5

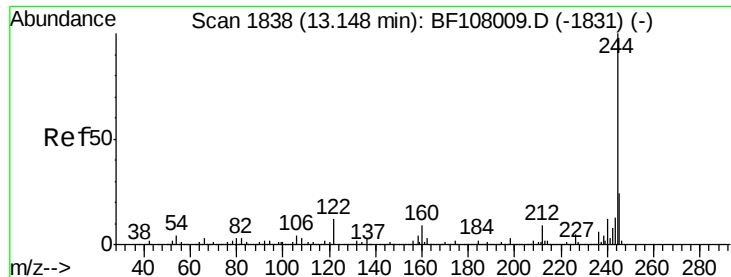


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.287 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Instrument :

BNA_F

ClientSampleId :

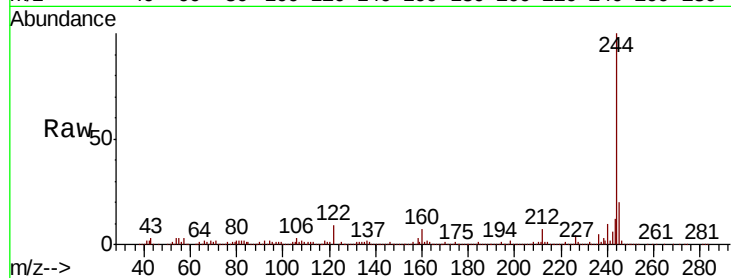
Tot Ion:244 Resp: 679224

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

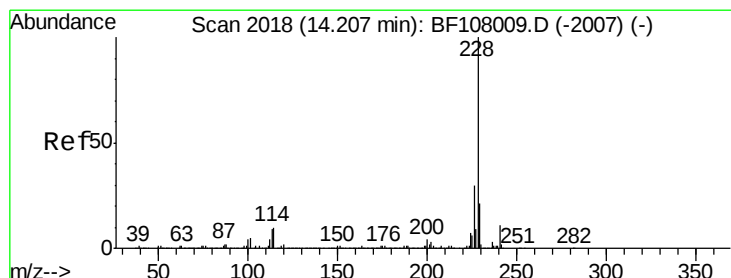
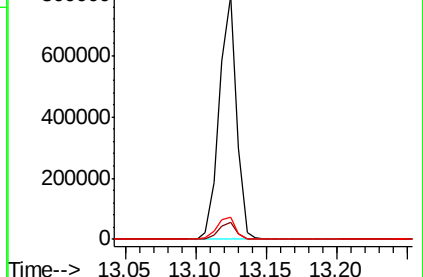
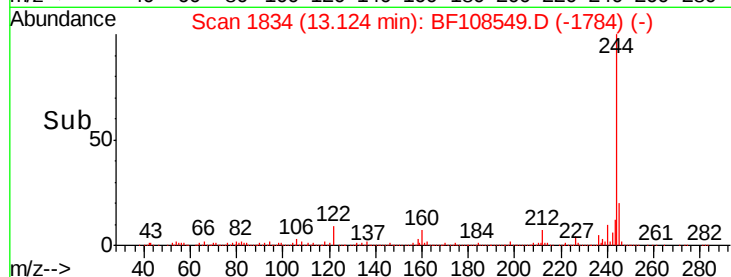
122 9.0 11.0 16.4#



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: 4.766 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

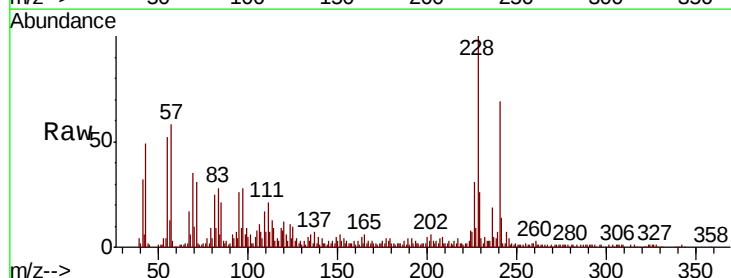
Tgt Ion:228 Resp: 73478

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

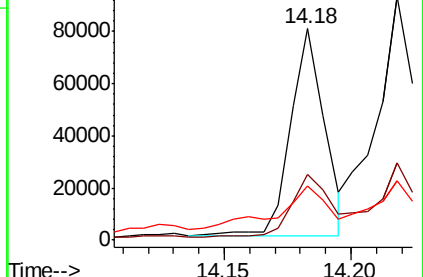
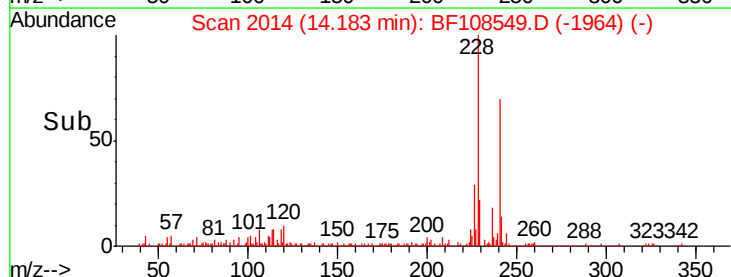
229 25.8 15.8 23.6#

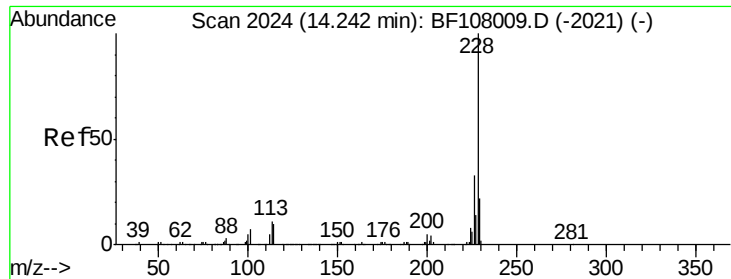


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.321 ng

RT: 14.22 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Instrument :

BNA_F

ClientSampleId :

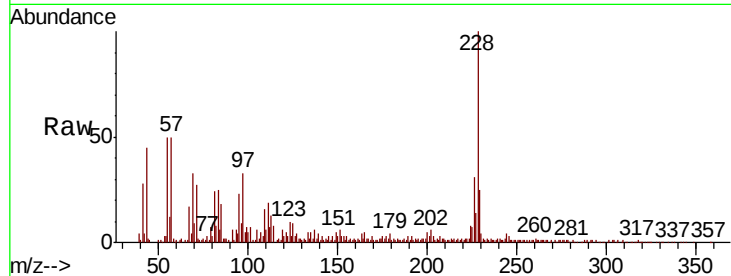
Tot Ion:228 Resp: 89342

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.6

229 24.5 16.2 24.4#

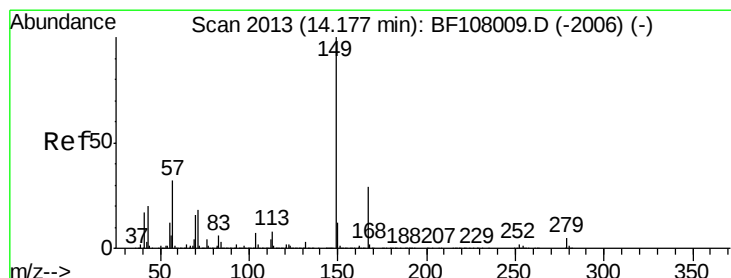
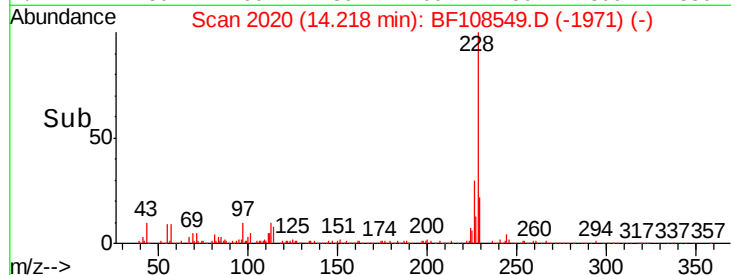
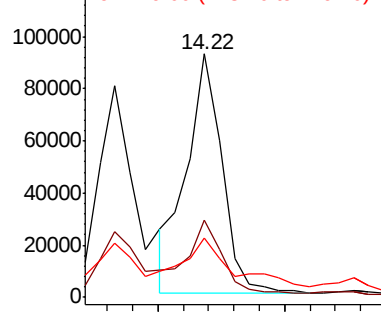


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.103 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

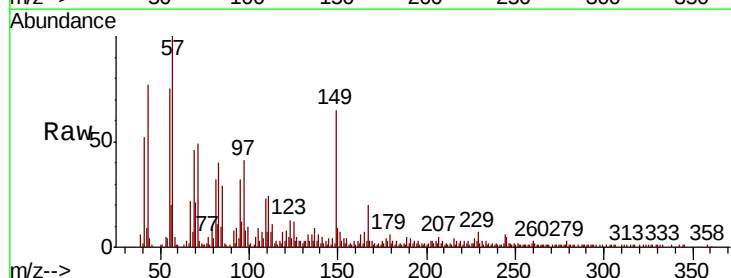
Tgt Ion:149 Resp: 37526

Ion Ratio Lower Upper

149 100

167 30.6 21.3 31.9

279 4.7 3.0 4.4#

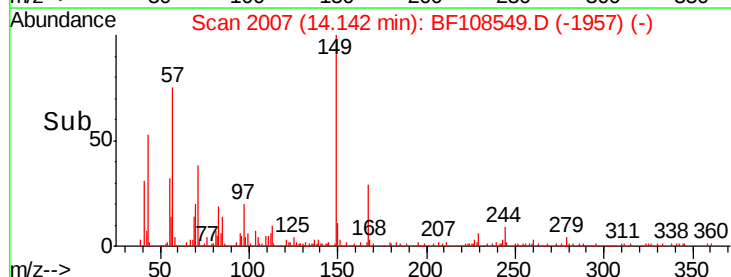
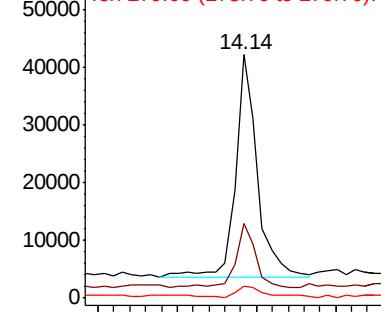


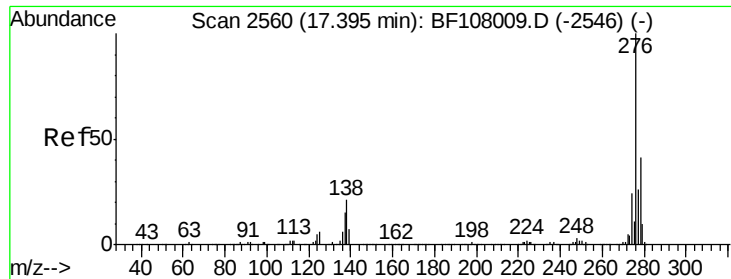
Abundance

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

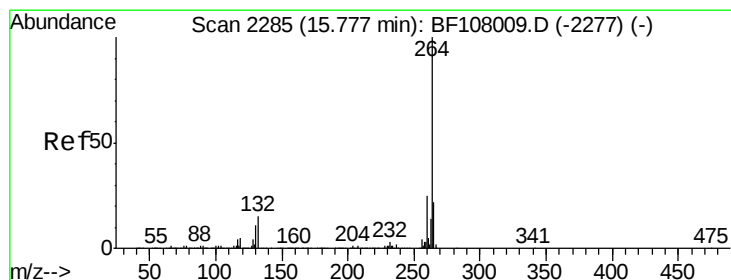
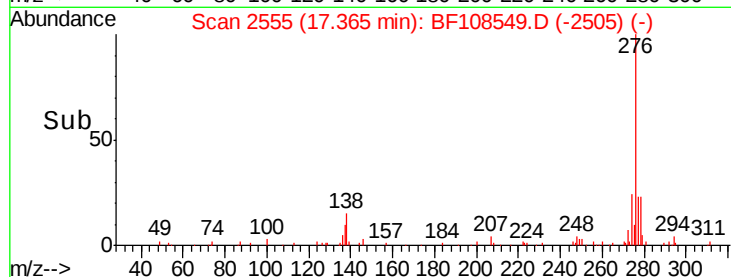
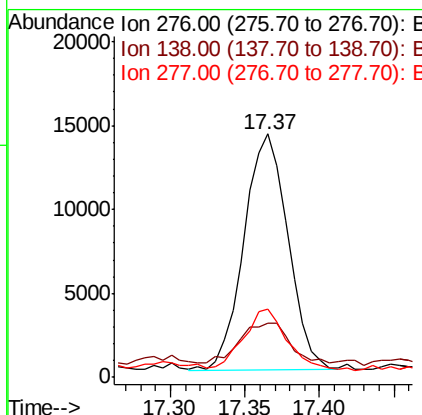
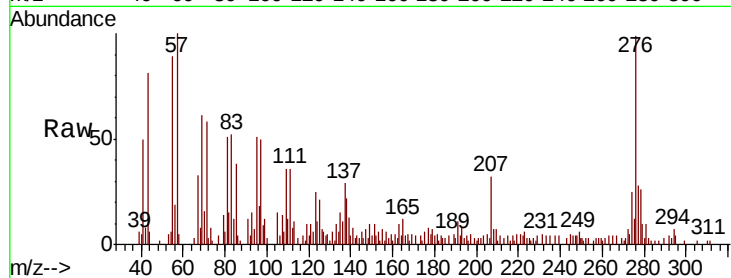




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.361 ng
RT: 17.37 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

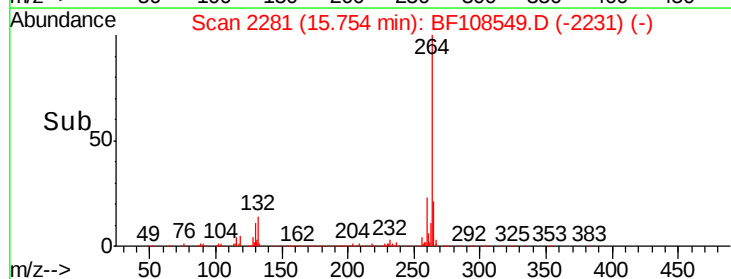
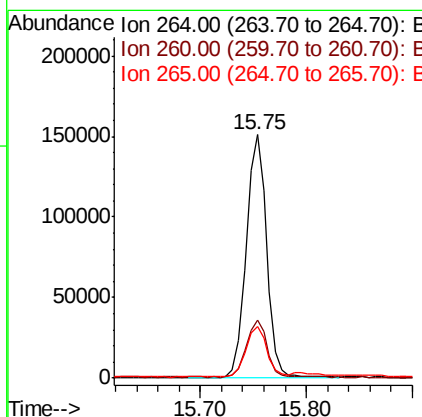
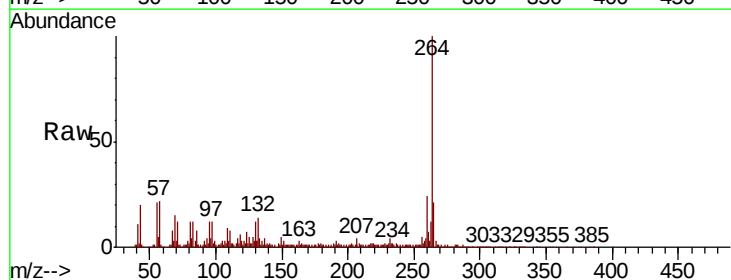
Instrument :
BNA_F
ClientSampleId :

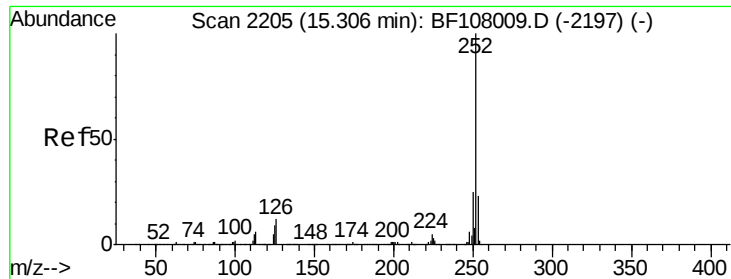
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.9	25.0	37.6#
277	25.3	20.1	30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.1	17.5	26.3

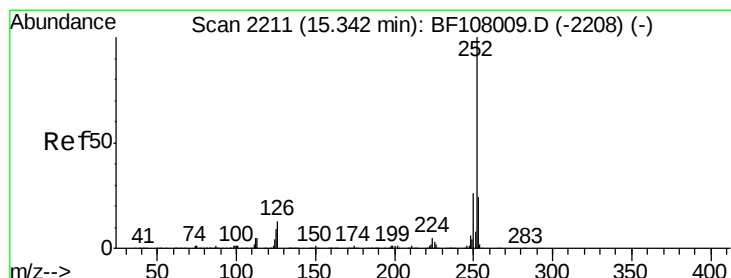
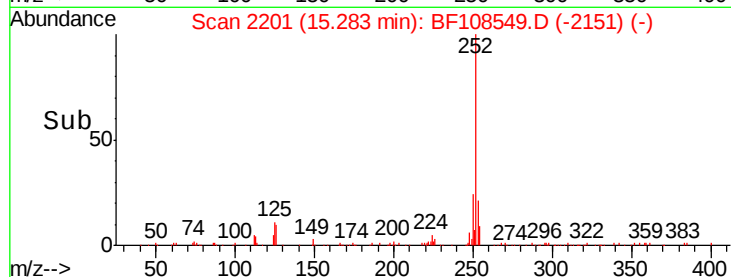
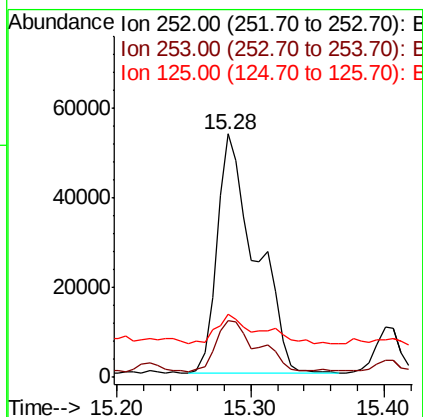
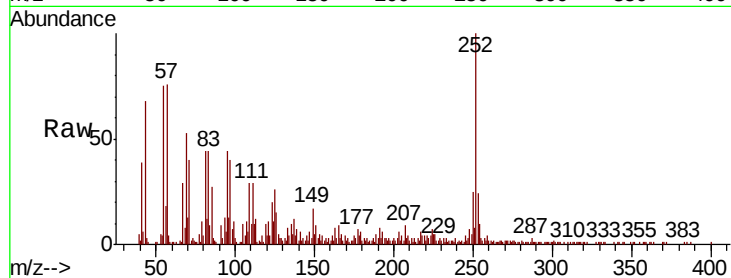




#87
Benzo(b)fluoranthene
Concen: 8.905 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

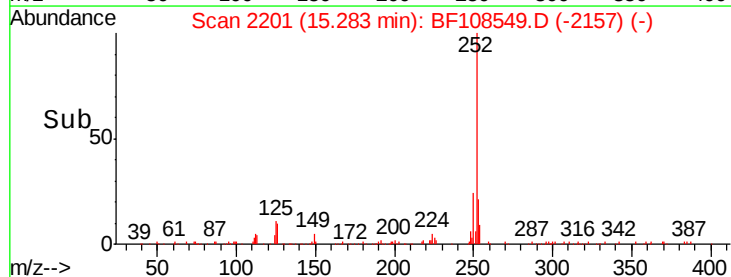
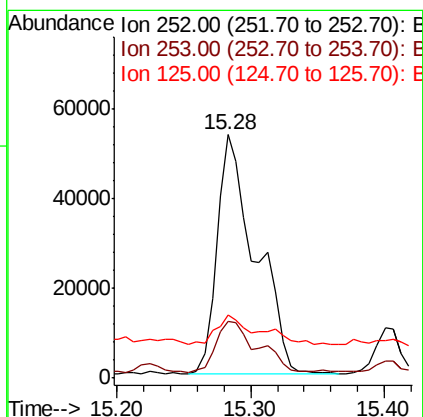
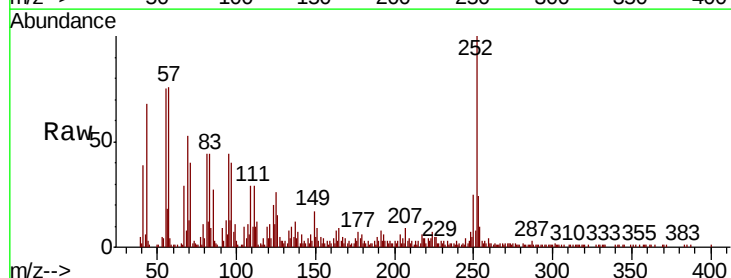
Instrument :
BNA_F
ClientSampleId :

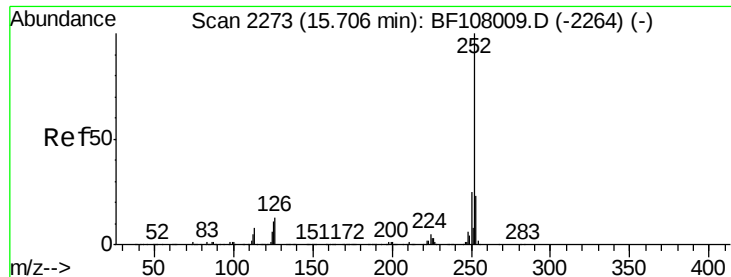
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	25.8	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 9.687 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	25.8	10.2	15.2#

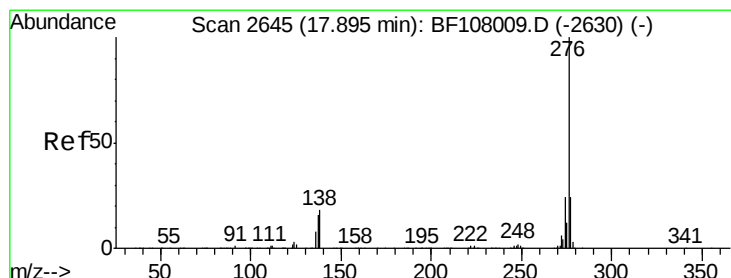
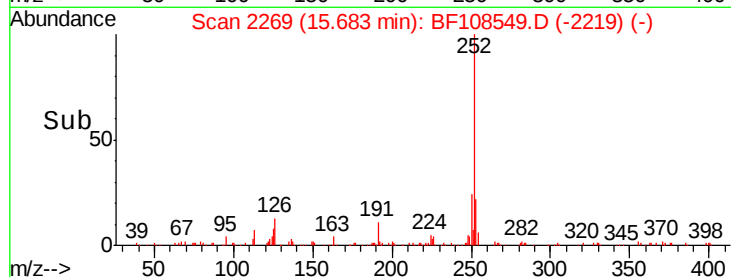
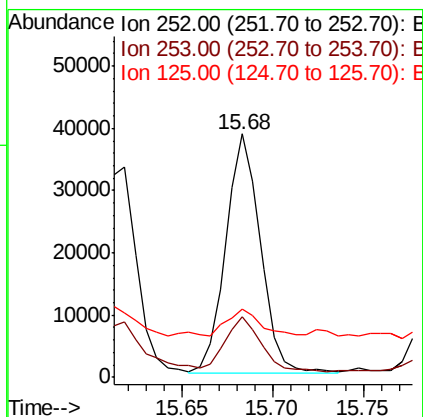
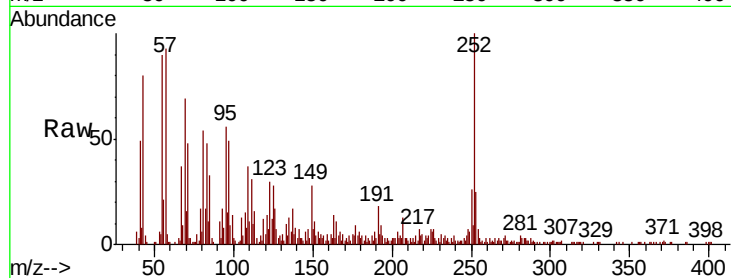




#89
Benzo(a)pyrene
Concen: 4.706 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	28.0	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 3.587 ng
RT: 17.85 min Scan# 2638
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.6	17.9	26.9
138	20.4	21.8	32.8

