

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081418\
 Data File : BF108140.D
 Acq On : 14 Aug 2018 13:12
 Operator : JU/SJ
 Sample : J4430-12RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G.L-WC-01RE

Quant Time: Aug 14 13:54:20 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 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	188644	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	658504	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	272609	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	465226	20.00	ng	0.00
75) Chrysene-d12	14.22	240	457731	20.00	ng	0.00
86) Perylene-d12	15.78	264	324781	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	1164239	111.73	ng	0.02
7) Phenol-d6	6.64	99	1506416	108.79	ng	0.01
23) Nitrobenzene-d5	7.58	82	992818	84.13	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	302286	111.17	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1440770	84.85	ng	0.00
78) Terphenyl-d14	13.15	244	1283267	71.28	ng	0.00

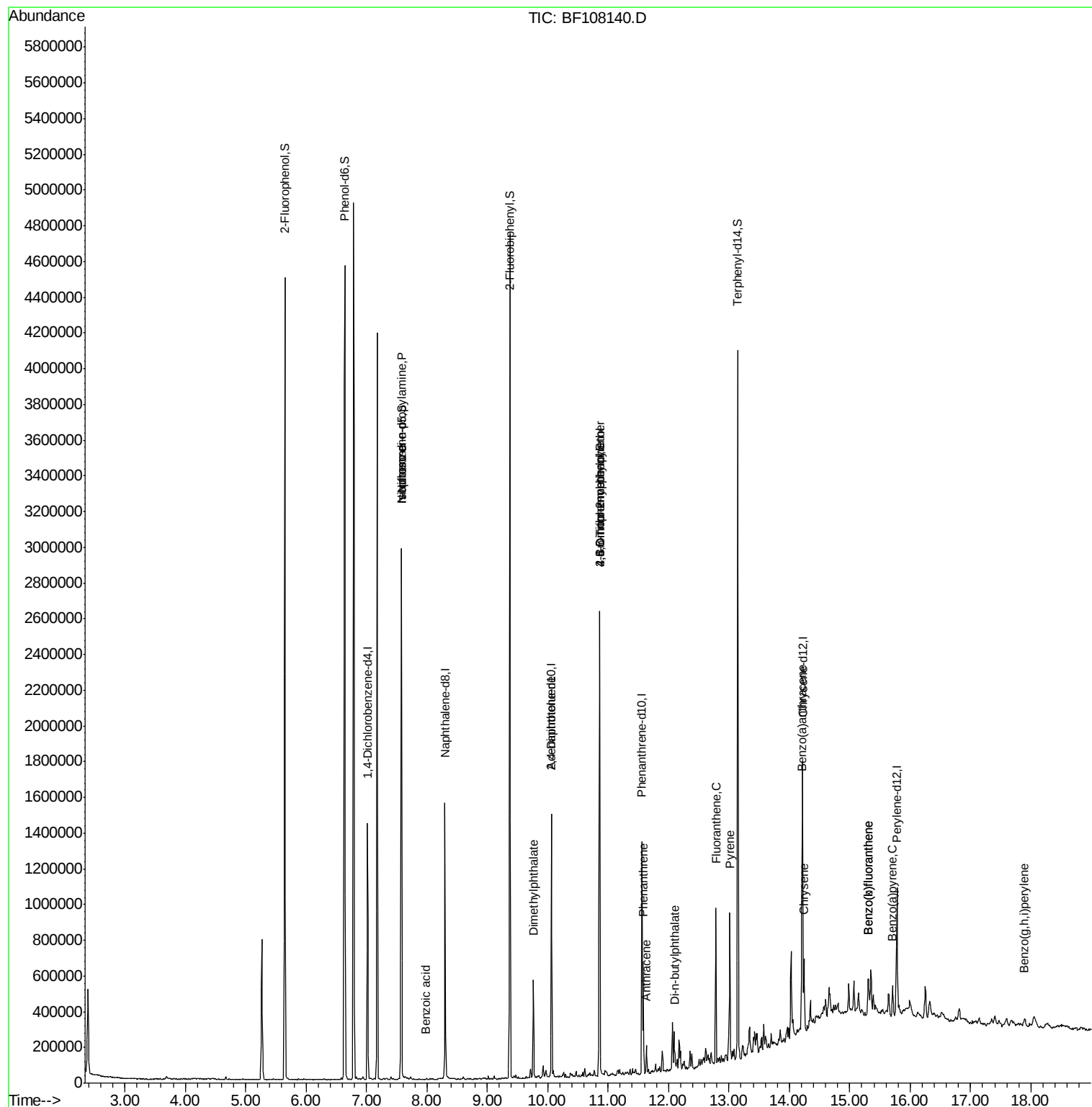
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	135801	14.503	ng	# 84
25) Isophorone	7.58	82	992806	44.139	ng	# 64
32) Benzoic acid	7.98	122	136	5.995	ng	89
49) Dimethylphthalate	9.77	163	189386	9.973	ng	99
56) 2,4-Dinitrotoluene	10.07	165	35541	6.950	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.86	198	608	5.668	ng	# 1
66) 4-Bromophenyl-phenylether	10.86	248	20886	4.131	ng	# 1
70) Phenanthrene	11.58	178	221718	10.104	ng	99
71) Anthracene	11.64	178	53758	2.390	ng	99
73) Di-n-butylphthalate	12.11	149	61462	2.716	ng	99
74) Fluoranthene	12.78	202	315962	13.194	ng	94
77) Pyrene	13.01	202	318750	10.999	ng	100
80) Benzo(a)anthracene	14.21	228	168065	6.398	ng	98
82) Chrysene	14.24	228	143941	5.977	ng	97
87) Benzo(b)fluoranthene	15.31	252	165039	8.504	ng	98
88) Benzo(k)fluoranthene	15.31	252	165039	9.251	ng	98
89) Benzo(a)pyrene	15.71	252	83182	4.787	ng	96
91) Benzo(g,h,i)perylene	17.89	276	37003	2.613	ng	92

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

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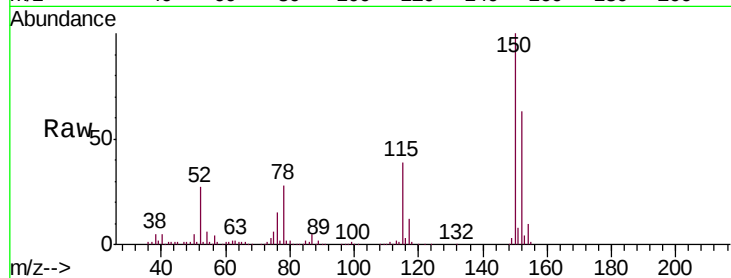


#1

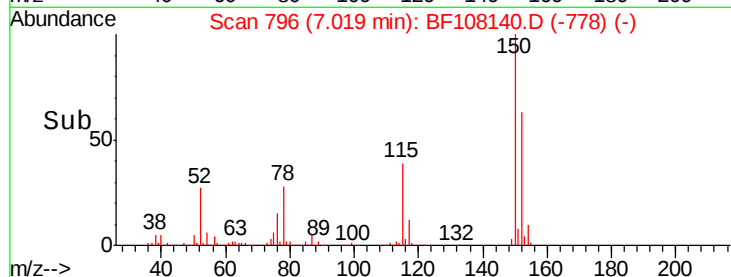
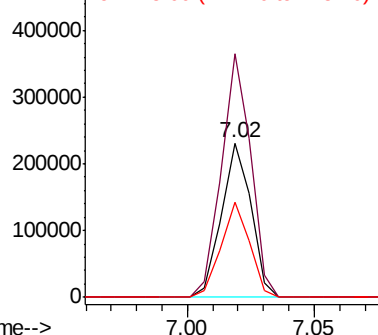
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108140.D
Acq: 14 Aug 2018 13:12

Instrument :
BNA_F
ClientSampleId :
G.L-WC-01RE

Tgt Ion:152 Resp: 188644
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 61.7 50.1 75.1



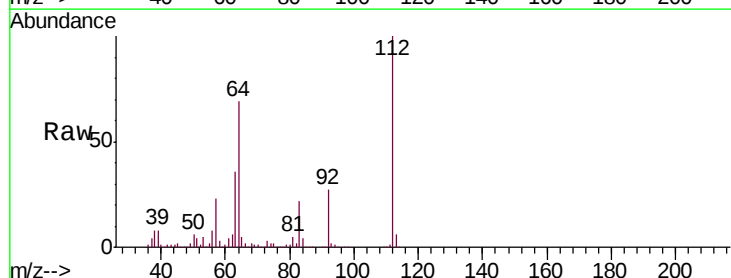
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



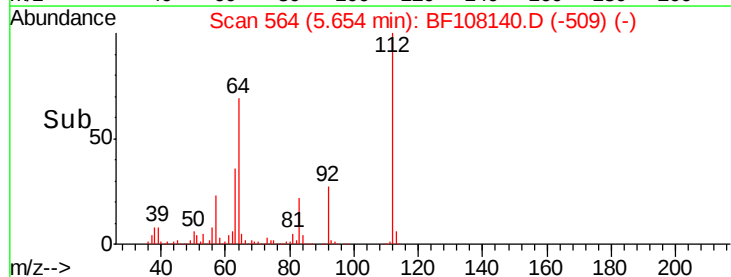
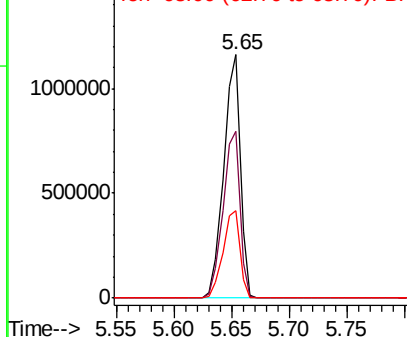
#5

2-Fluorophenol
Concen: 111.734 ng
RT: 5.65 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF108140.D
Acq: 14 Aug 2018 13:12

Tgt Ion:112 Resp: 1164239
Ion Ratio Lower Upper
112 100
64 68.6 47.9 71.9
63 36.0 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: 108.795 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

Instrument :

BNA_F

ClientSampleId :

G.L-WC-01RE

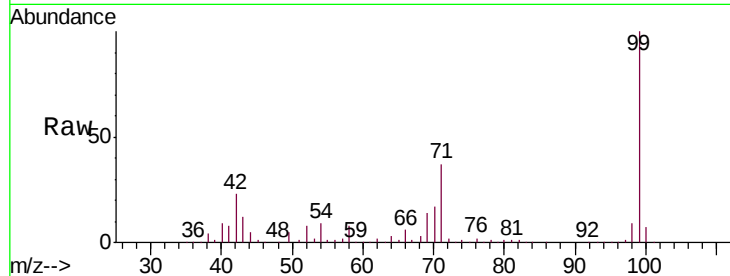
Tgt Ion: 99 Resp: 1506416

Ion Ratio Lower Upper

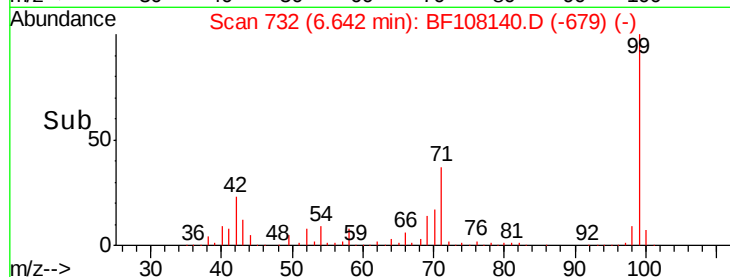
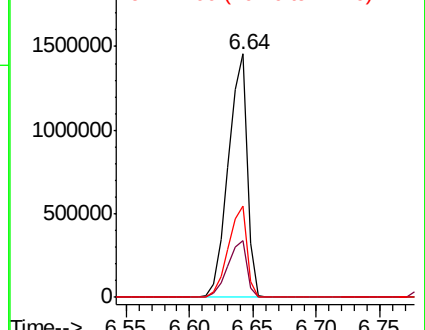
99 100

42 23.1 14.5 21.7#

71 37.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
2000000
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: 14.503 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.16 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

Tgt Ion: 70 Resp: 135801

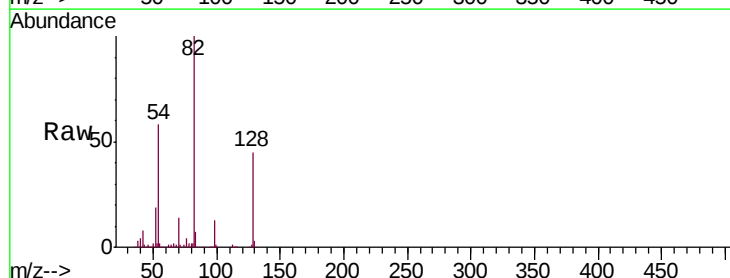
Ion Ratio Lower Upper

70 100

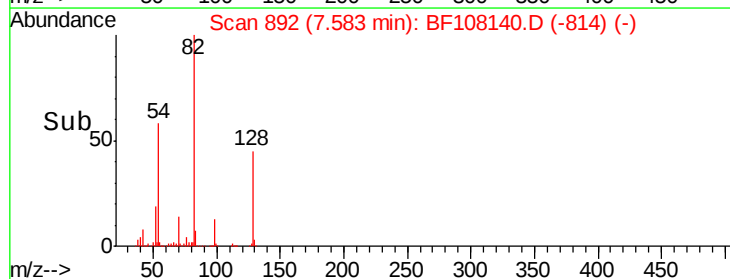
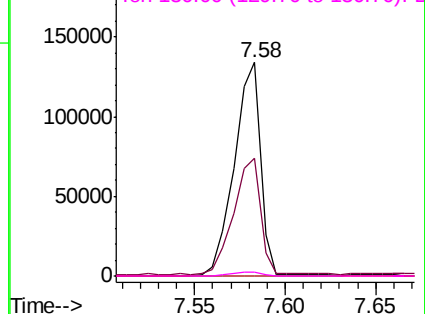
42 55.2 47.5 71.3

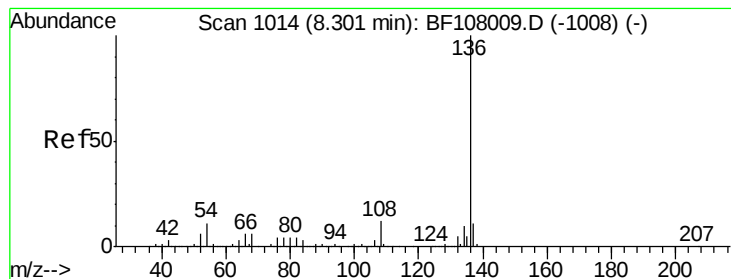
101 0.0 7.4 11.2#

130 1.7 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
200000
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: 8.30 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

Instrument :

BNA_F

ClientSampleId :

G.L-WC-01RE

Tgt Ion:136 Resp: 658504

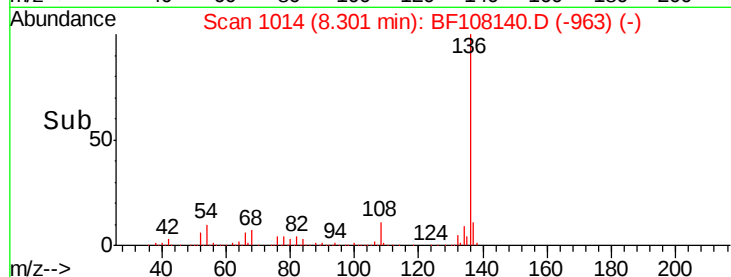
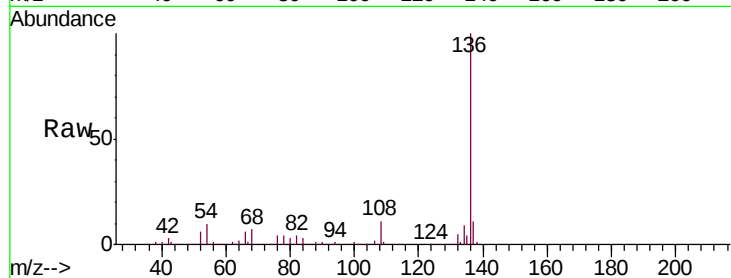
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.4 6.6 9.8#

68 6.6 5.0 7.4

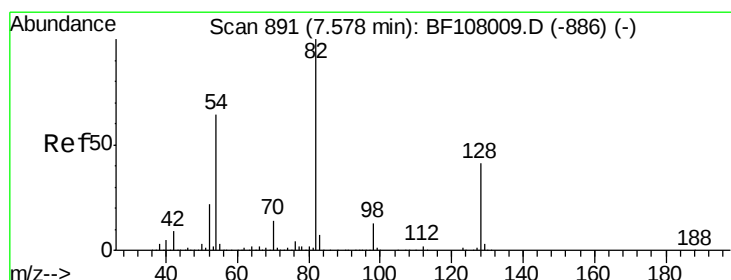
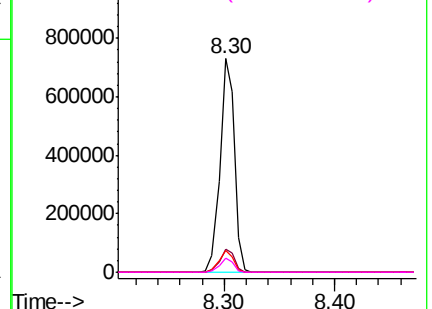


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 84.131 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.01 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

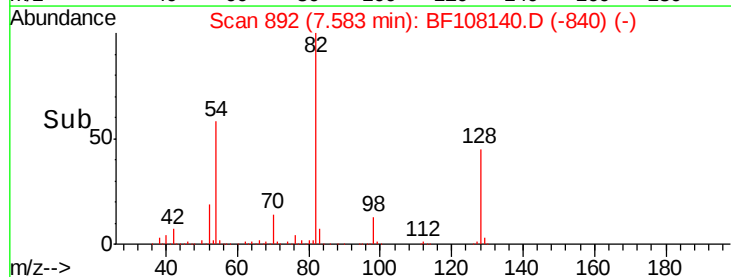
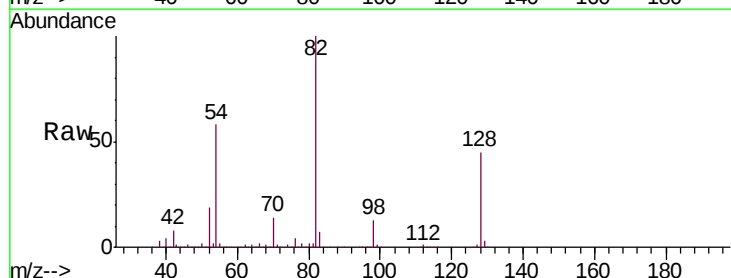
Tgt Ion: 82 Resp: 992818

Ion Ratio Lower Upper

82 100

128 44.9 36.1 54.1

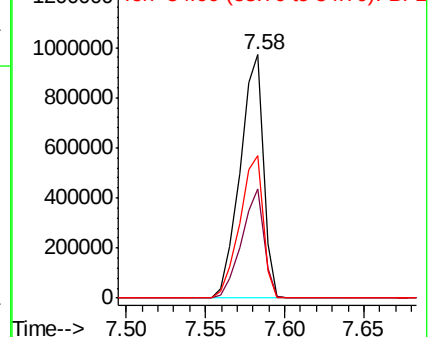
54 58.3 41.4 62.2



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

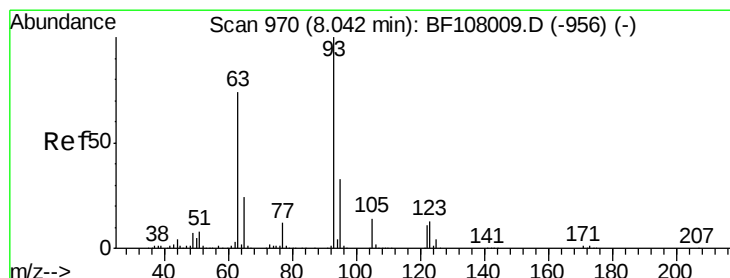
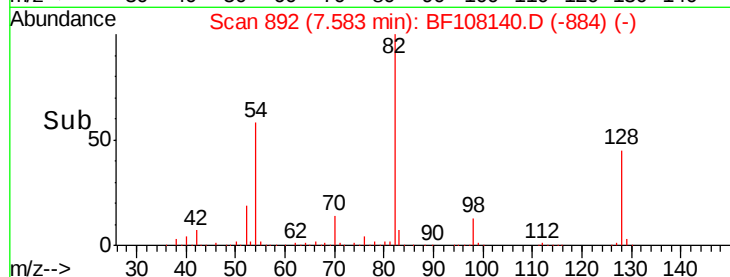
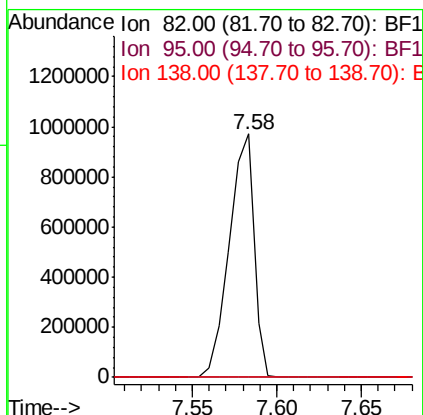
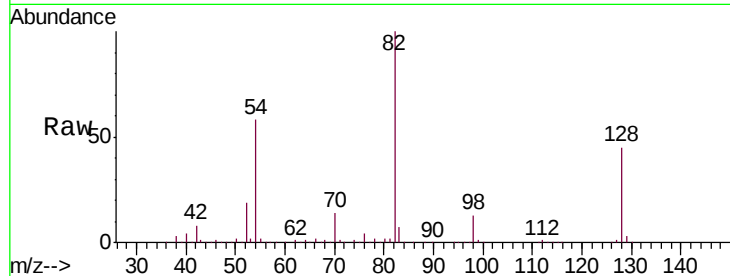




#25
Isophorone
Concen: 44.139 ng
RT: 7.58 min Scan# 892
Delta R.T. -0.25 min
Lab File: BF108140.D
Acq: 14 Aug 2018 13:12

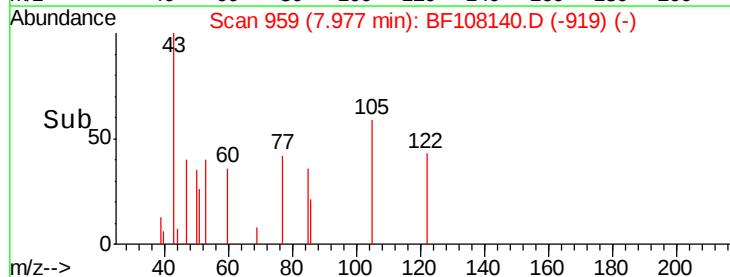
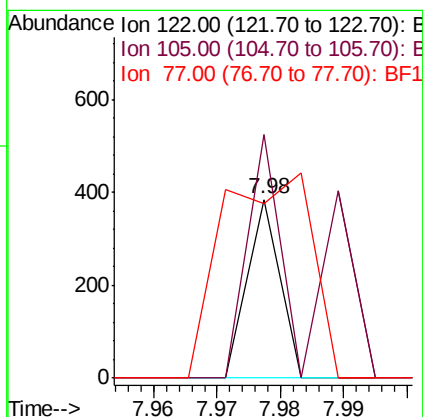
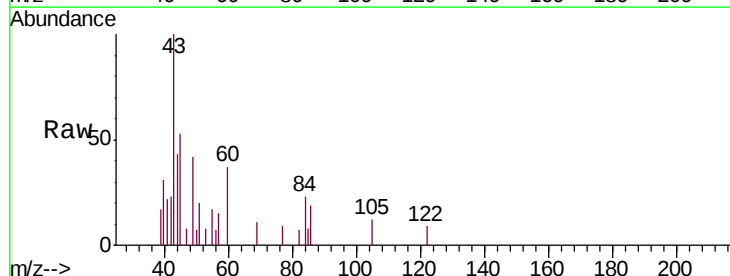
Instrument :
BNA_F
ClientSampleId :
G.L-WC-01RE

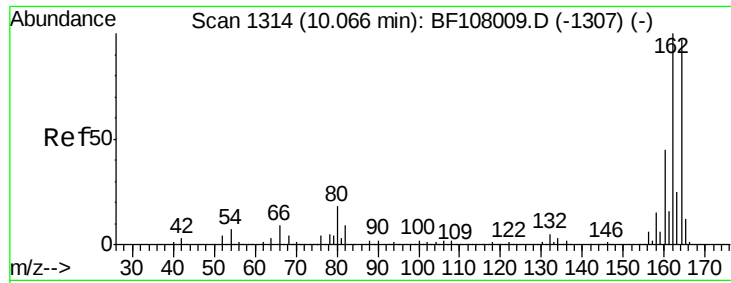
Tgt Ion: 82 Resp: 992806
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#32
Benzoic acid
Concen: 5.995 ng
RT: 7.98 min Scan# 959
Delta R.T. -0.06 min
Lab File: BF108140.D
Acq: 14 Aug 2018 13:12

Tgt Ion: 122 Resp: 136
Ion Ratio Lower Upper
122 100
105 136.1 101.1 141.1
77 97.9 70.7 110.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.07 min Scan# 1314

Delta R.T. -0.00 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

Instrument :

BNA_F

ClientSampleId :

G.L-WC-01RE

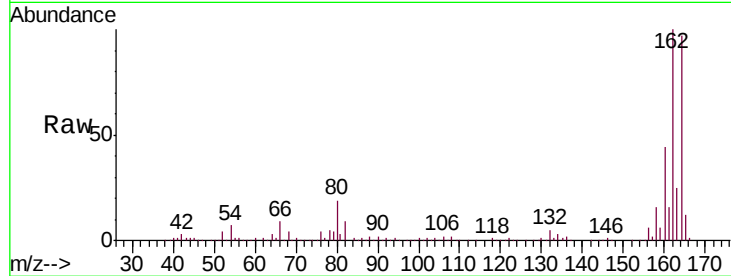
Tgt Ion:164 Resp: 272609

Ion Ratio Lower Upper

164 100

162 103.0 86.1 129.1

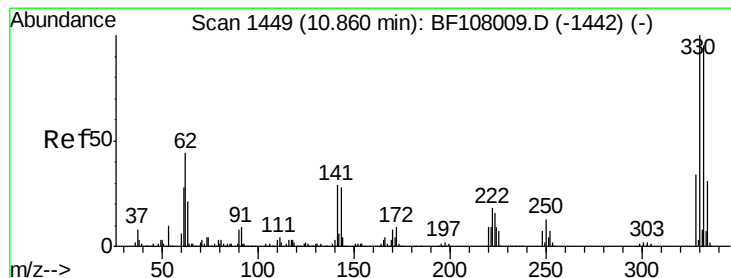
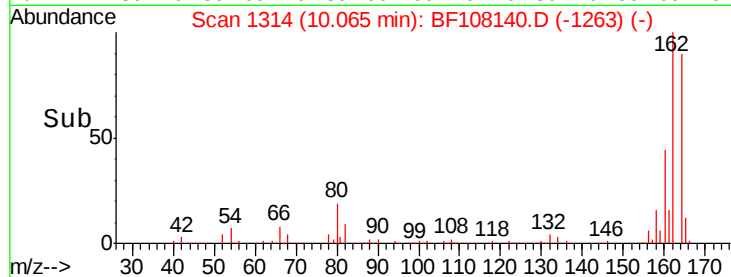
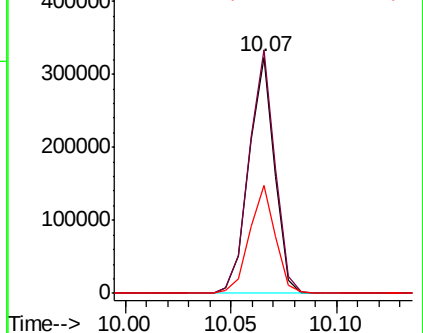
160 45.5 38.3 57.5



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: 111.167 ng

RT: 10.86 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

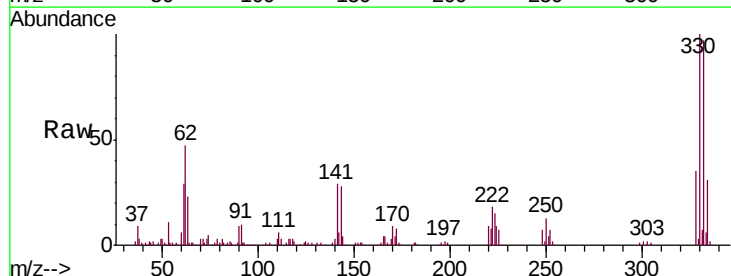
Tgt Ion:330 Resp: 302286

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

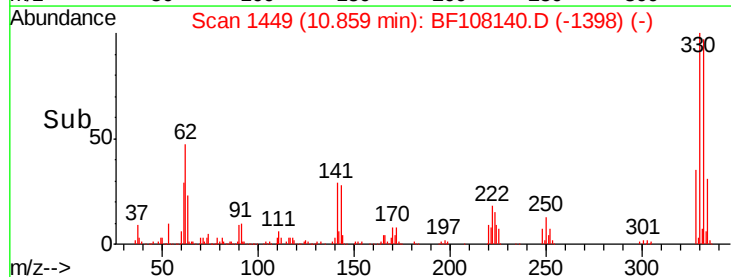
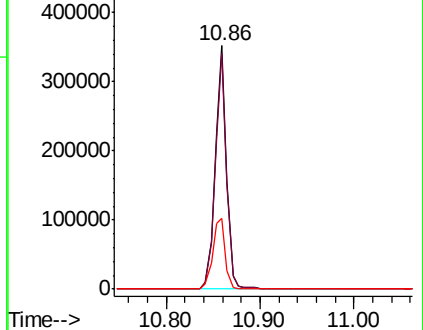
141 33.1 29.9 44.9



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

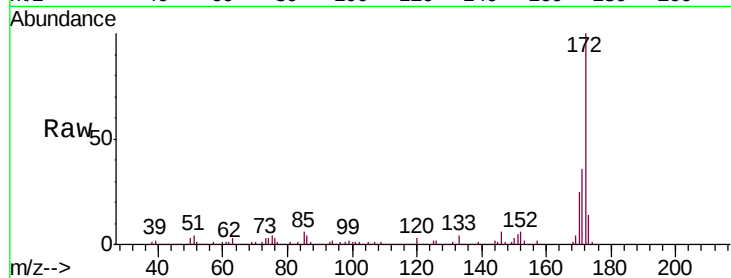




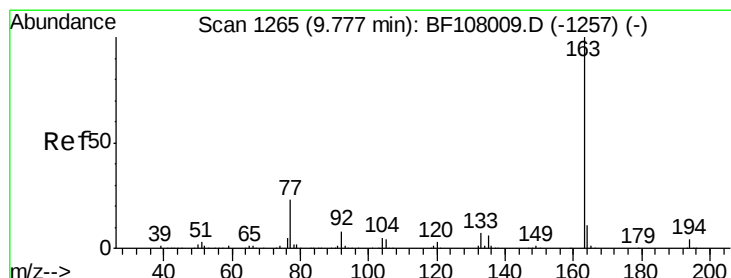
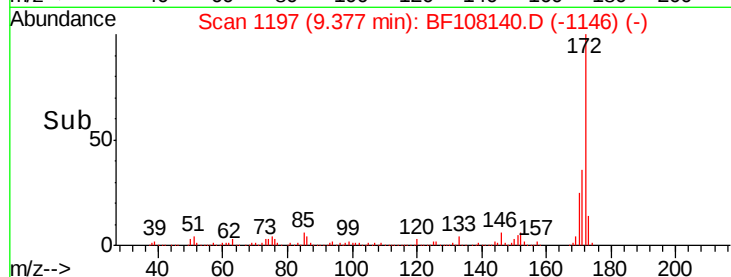
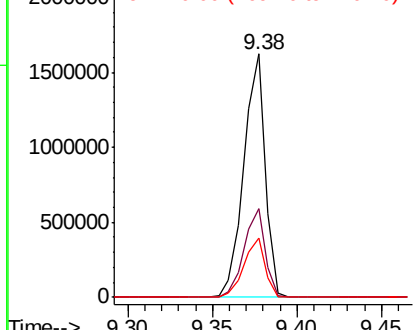
#44
2-Fluorobiphenyl
Concen: 84.851 ng
RT: 9.38 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BF108140.D
Acq: 14 Aug 2018 13:12

Instrument :
BNA_F
ClientSampleId :
G.L-WC-01RE

Tgt Ion:172 Resp: 1440770
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.5 19.6 29.4

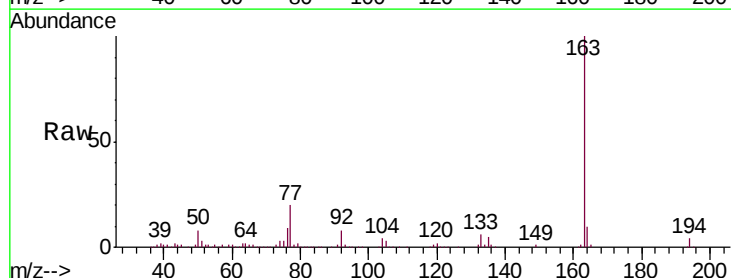


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

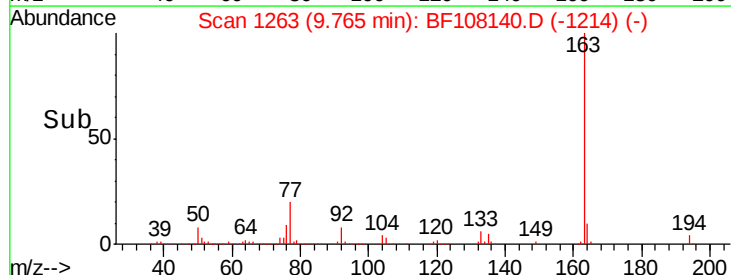
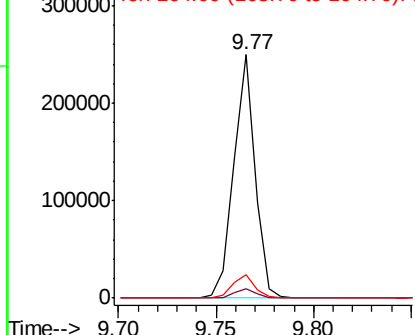


#49
Dimethylphthalate
Concen: 9.973 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108140.D
Acq: 14 Aug 2018 13:12

Tgt Ion:163 Resp: 189386
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.8 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

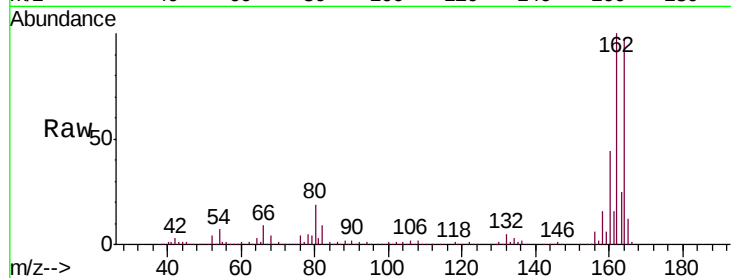




#56
 2,4-Dinitrotoluene
 Concen: 6.950 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. -0.18 min
 Lab File: BF108140.D
 Acq: 14 Aug 2018 13:12

Instrument :
 BNA_F
 ClientSampleId :
 G.L-WC-01RE

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

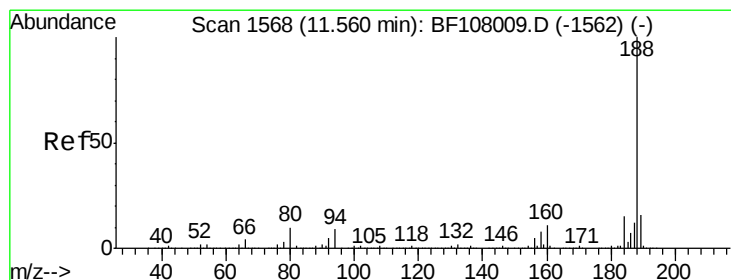
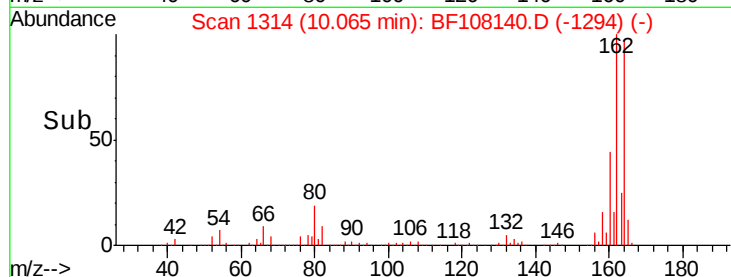
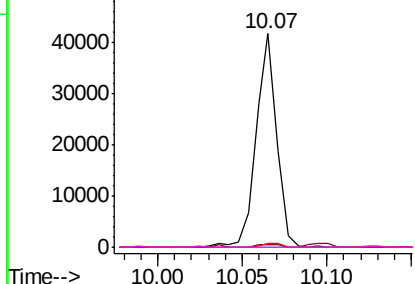


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

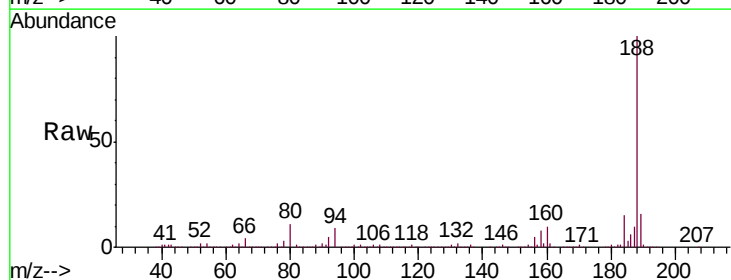
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: BF108140.D
 Acq: 14 Aug 2018 13:12

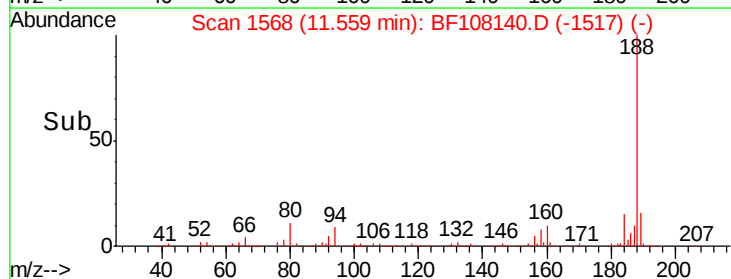
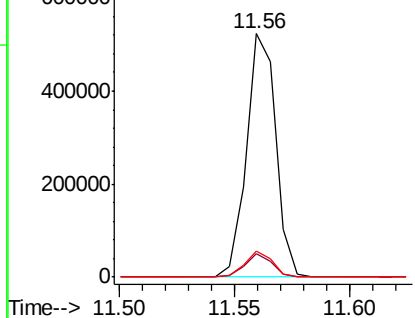
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.6	9.2	13.8

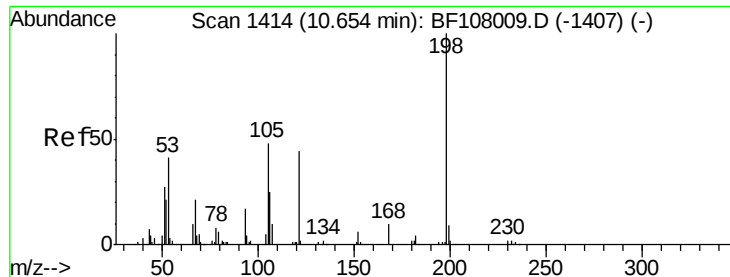


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

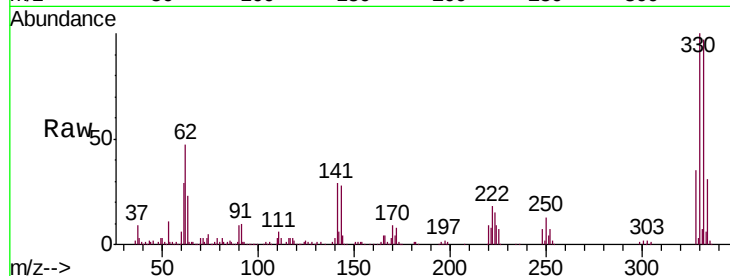




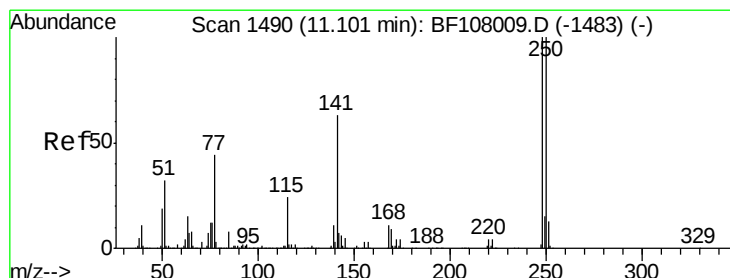
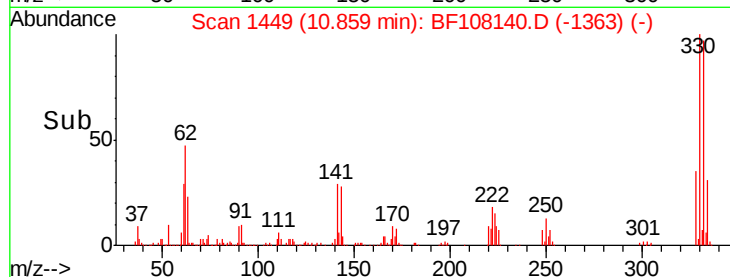
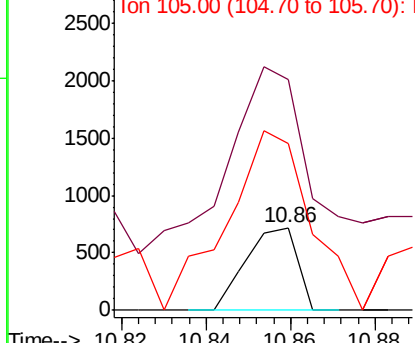
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.668 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.21 min
 Lab File: BF108140.D
 Acq: 14 Aug 2018 13:12

Instrument :
 BNA_F
 ClientSampleId :
 G.L-WC-01RE

Tgt Ion:198 Resp: 608
 Ion Ratio Lower Upper
 198 100
 51 279.5 37.7 77.7#
 105 201.9 36.3 76.3#

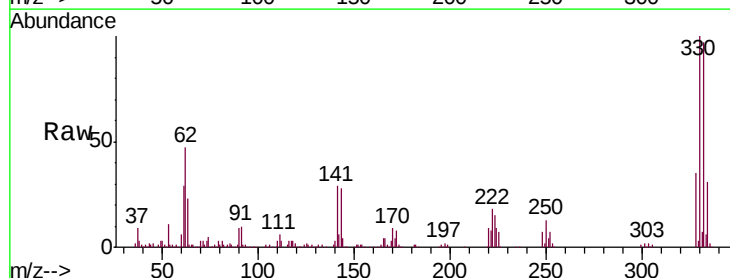


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

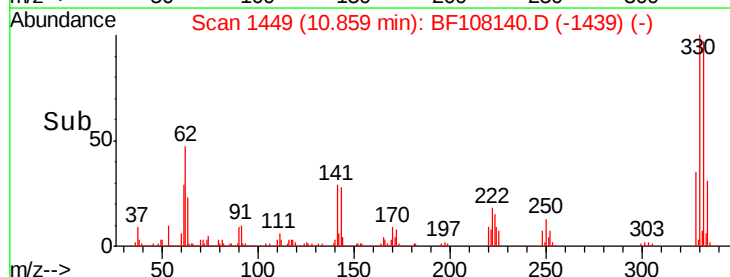
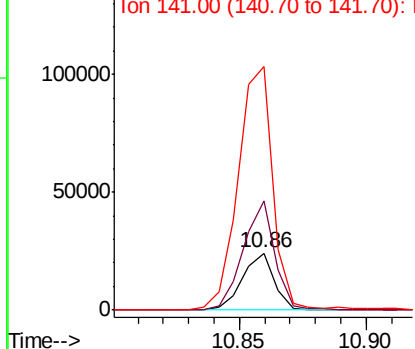


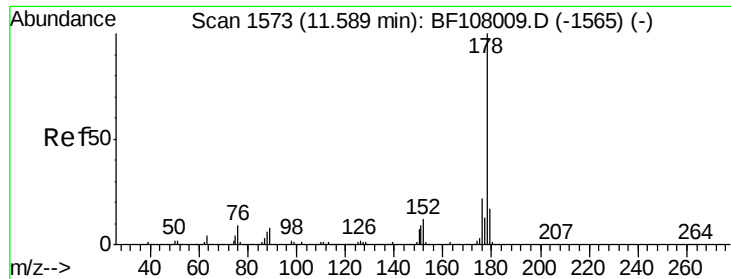
#66
 4-Bromophenyl-phenylether
 Concen: 4.131 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. -0.24 min
 Lab File: BF108140.D
 Acq: 14 Aug 2018 13:12

Tgt Ion:248 Resp: 20886
 Ion Ratio Lower Upper
 248 100
 250 191.2 76.9 115.3#
 141 428.6 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

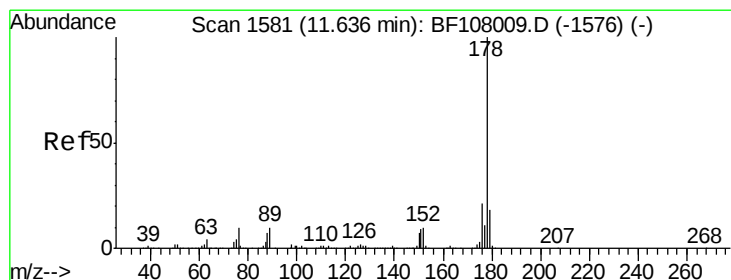
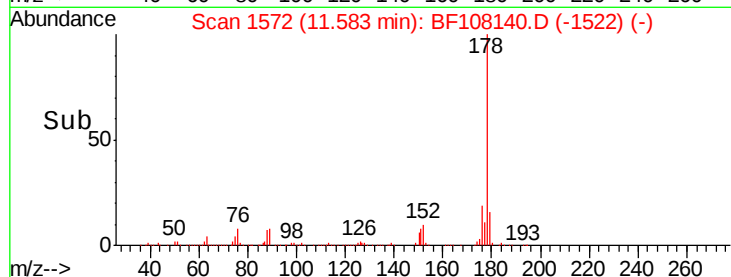
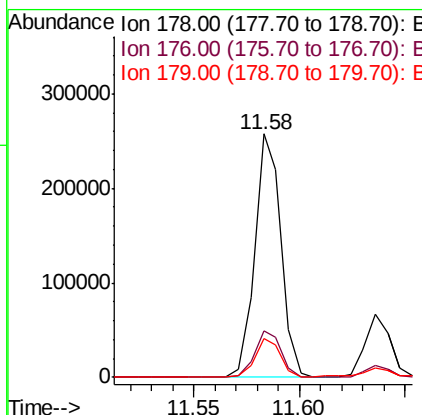
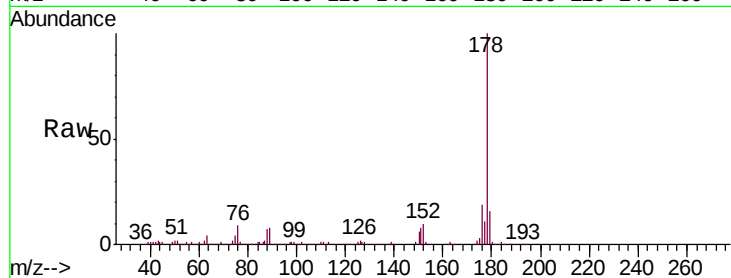




#70
Phenanthrene
Concen: 10.104 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108140.D
Acq: 14 Aug 2018 13:12

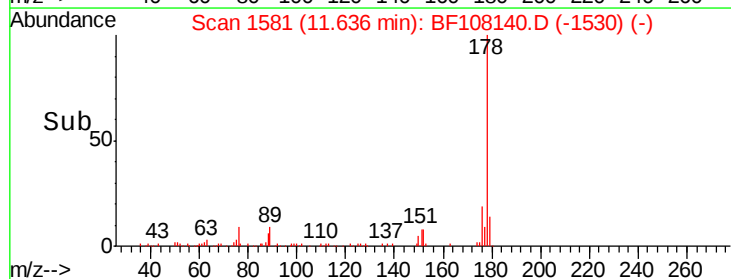
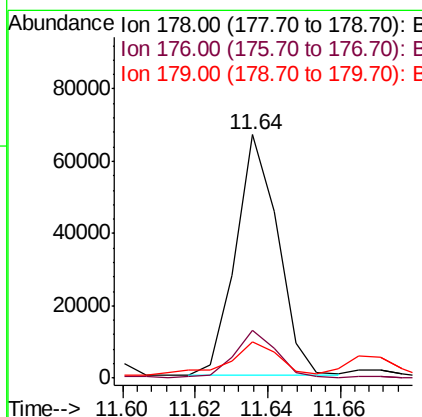
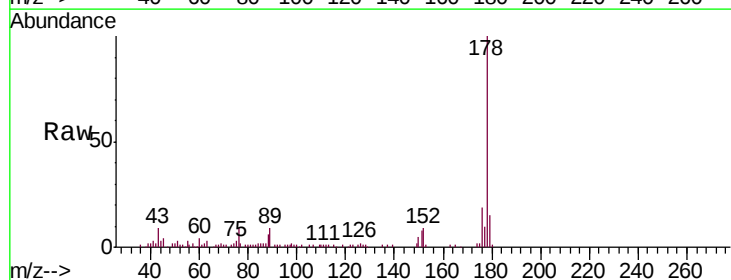
Instrument :
BNA_F
ClientSampleId :
G.L-WC-01RE

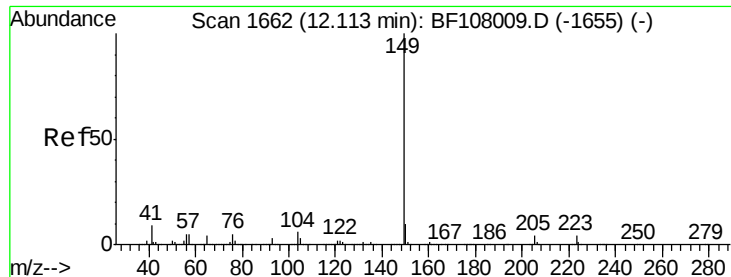
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.9	13.0	19.6



#71
Anthracene
Concen: 2.390 ng
RT: 11.64 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF108140.D
Acq: 14 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	14.8	12.6	19.0





#73

Di-n-butylphthalate

Concen: 2.716 ng

RT: 12.11 min Scan# 1661

Delta R.T. -0.01 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

Instrument :

BNA_F

ClientSampleId :

G.L-WC-01RE

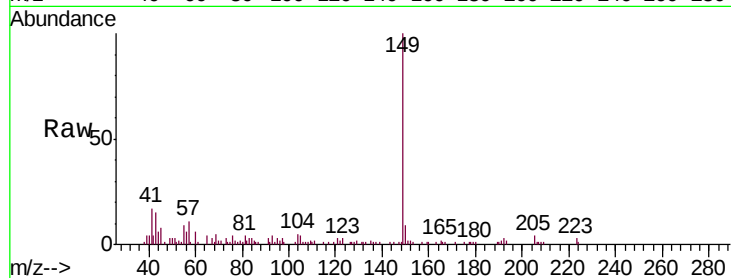
Tgt Ion:149 Resp: 61462

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.6

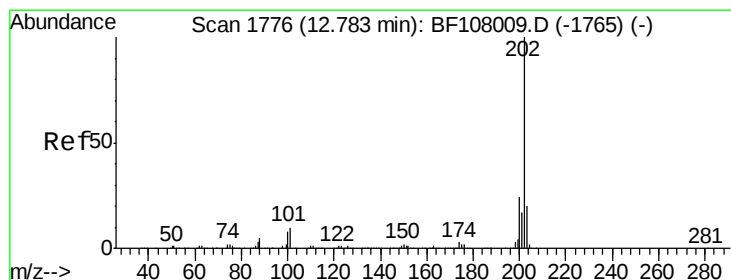
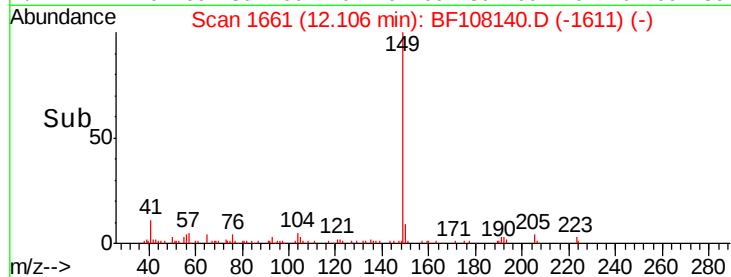
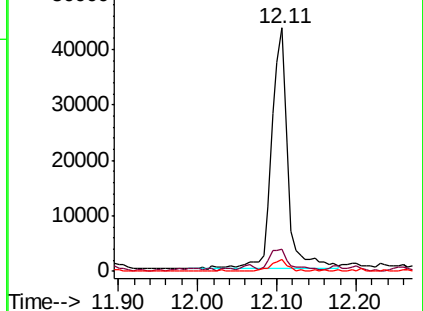
104 5.1 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 13.194 ng

RT: 12.78 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

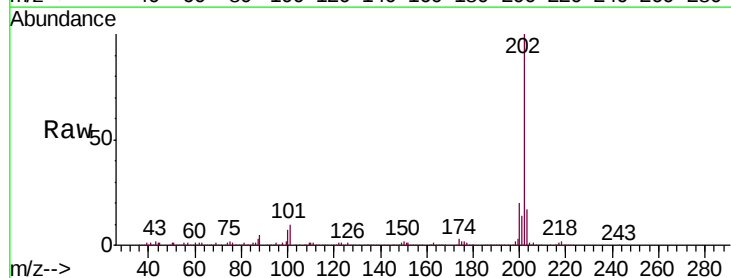
Tgt Ion:202 Resp: 315962

Ion Ratio Lower Upper

202 100

101 9.8 0.0 34.1

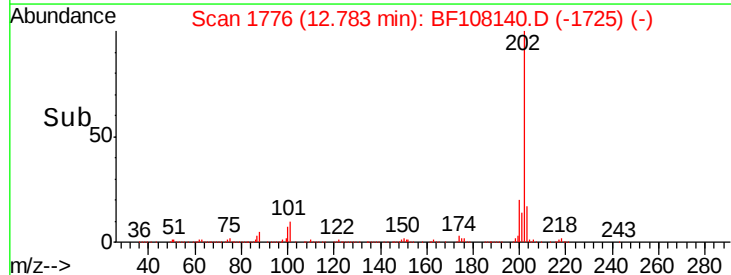
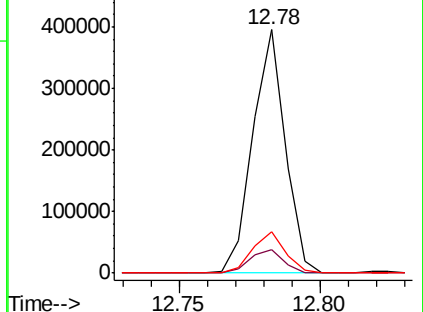
203 17.2 0.0 38.1

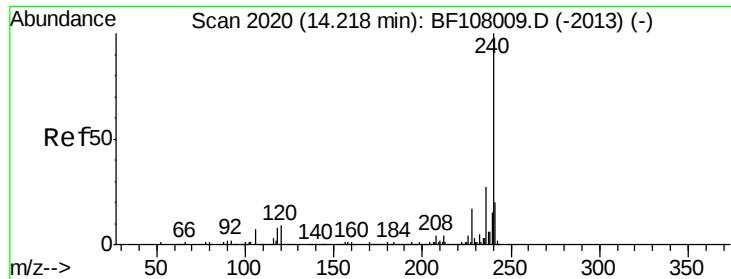


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.22 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

Instrument :

BNA_F

ClientSampleId :

G.L-WC-01RE

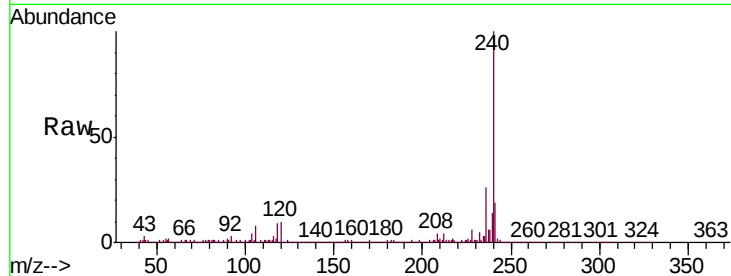
Tgt Ion:240 Resp: 457731

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

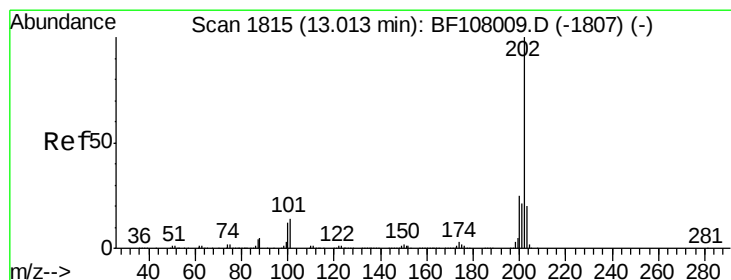
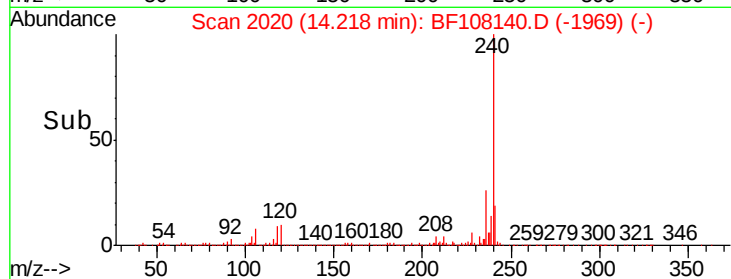
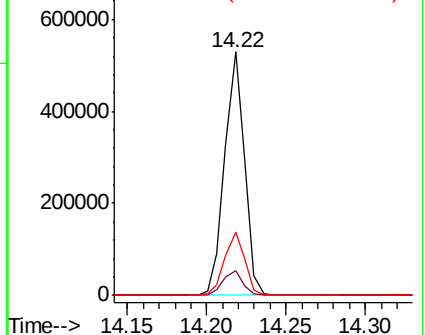
236 25.9 20.7 31.1



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: 10.999 ng

RT: 13.01 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

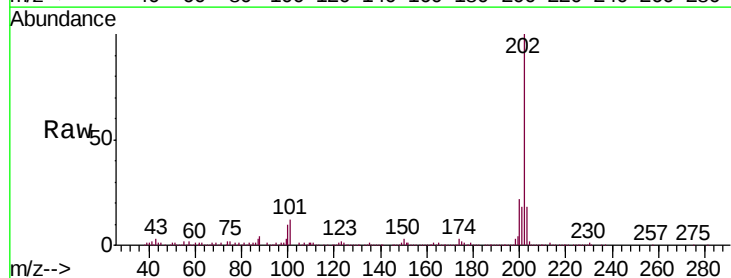
Tgt Ion:202 Resp: 318750

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

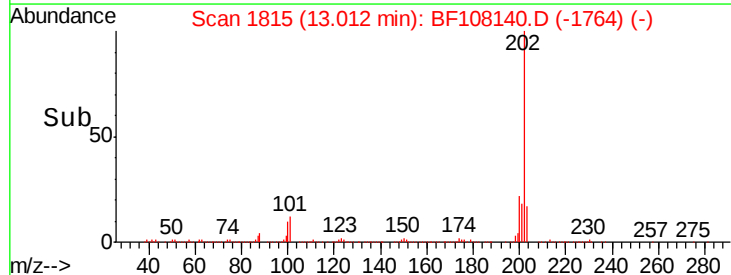
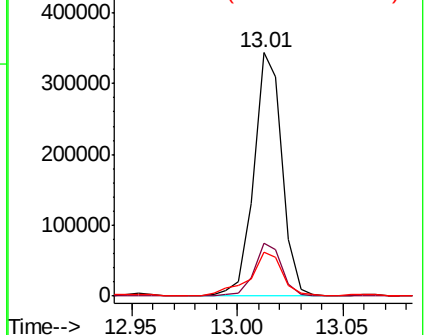
203 18.0 14.3 21.5

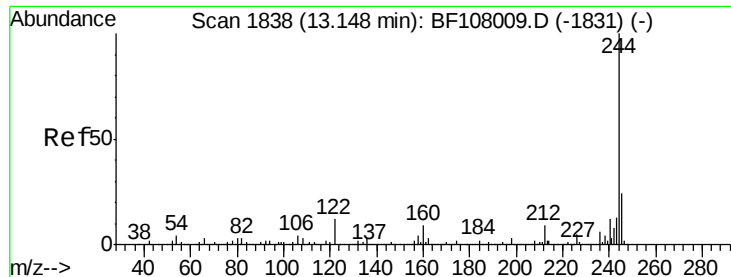


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 71.282 ng

RT: 13.15 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

Instrument :

BNA_F

ClientSampleId :

G.L-WC-01RE

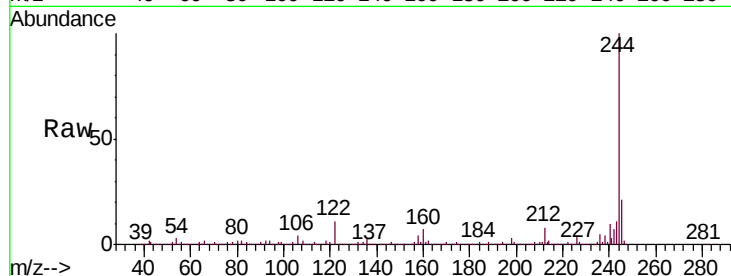
Tgt Ion:244 Resp: 1283267

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

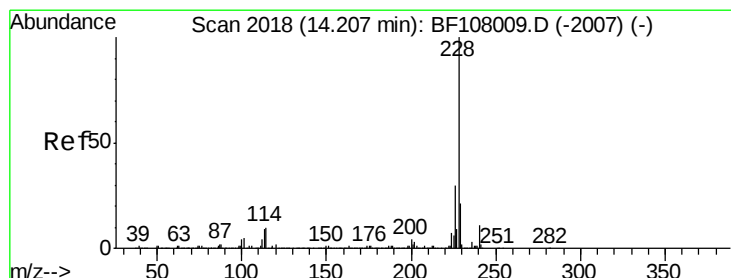
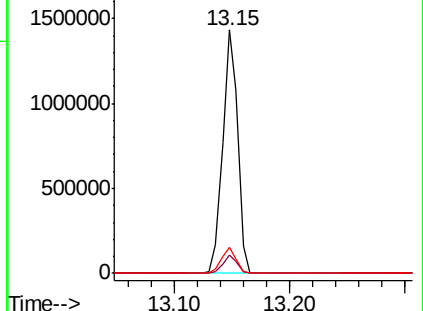
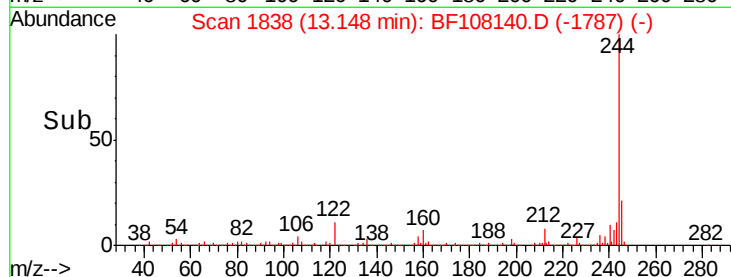
122 10.7 11.0 16.4#



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: 6.398 ng

RT: 14.21 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

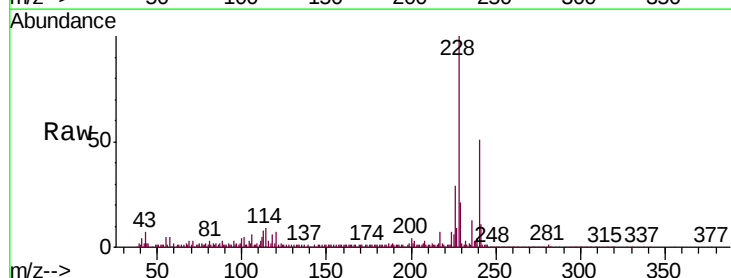
Tgt Ion:228 Resp: 168065

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

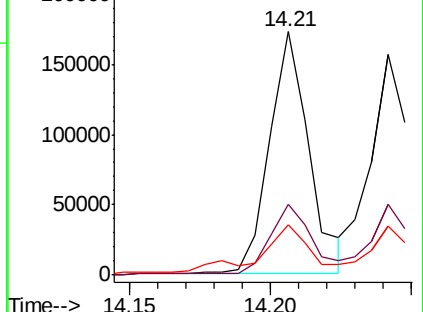
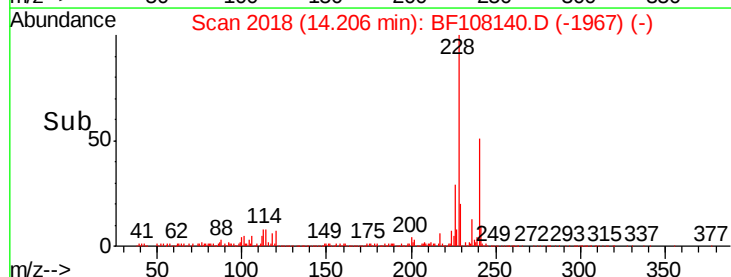
229 20.6 15.8 23.6

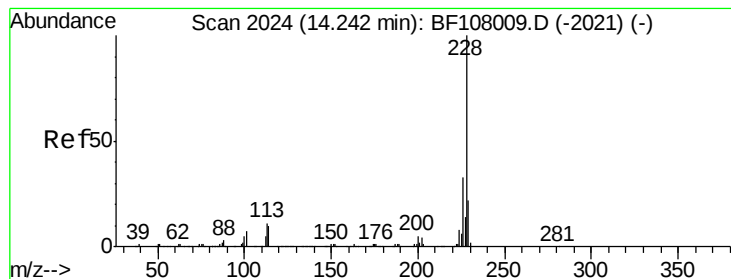


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.977 ng

RT: 14.24 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

Instrument :

BNA_F

ClientSampleId :

G.L-WC-01RE

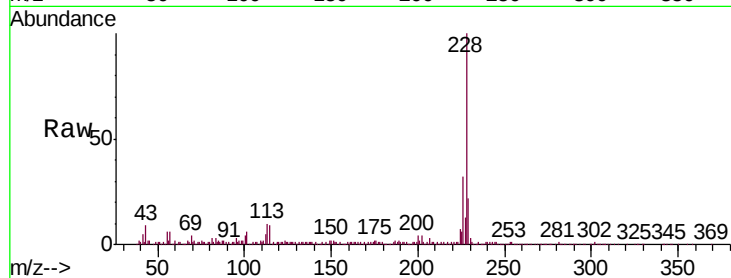
Tgt Ion:228 Resp: 143941

Ion Ratio Lower Upper

228 100

226 32.3 25.0 37.6

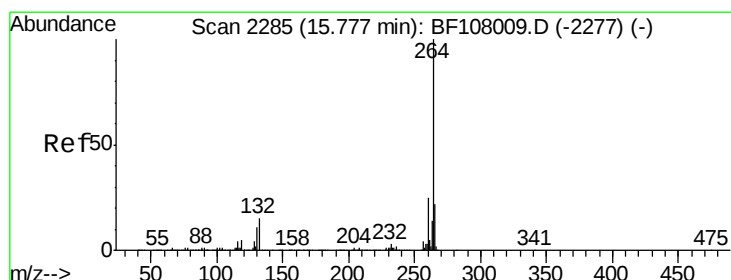
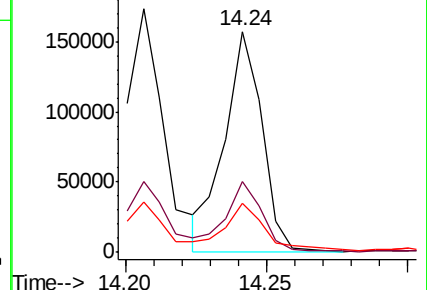
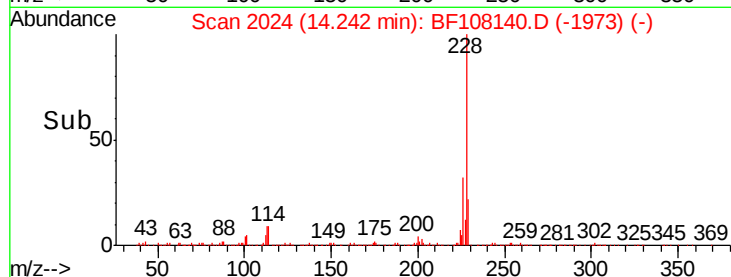
229 22.3 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.78 min Scan# 2286

Delta R.T. 0.01 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

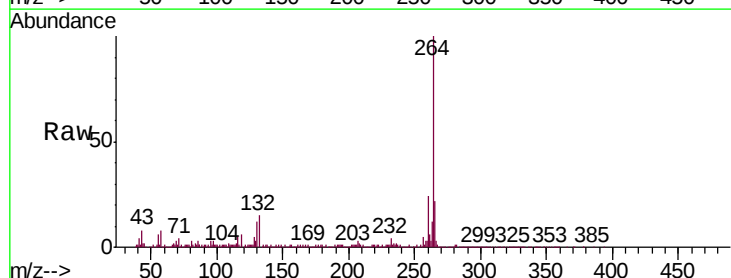
Tgt Ion:264 Resp: 324781

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

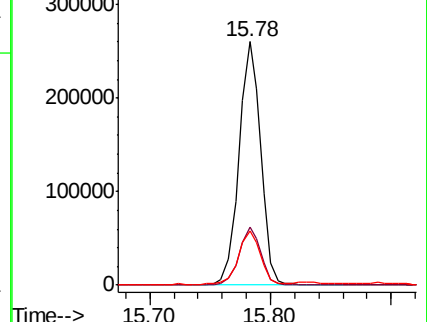
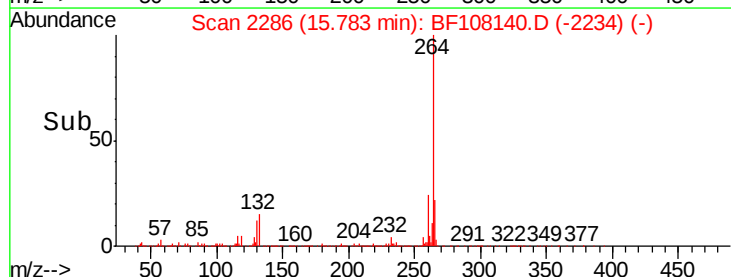
265 22.3 17.5 26.3

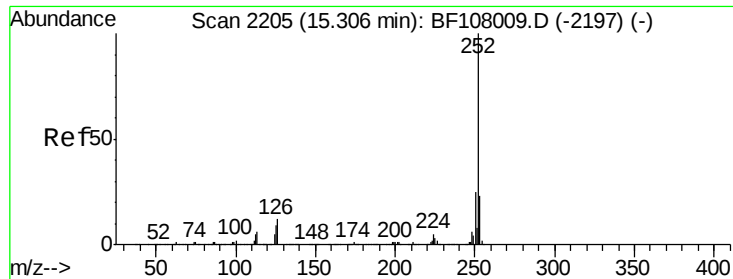


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.504 ng

RT: 15.31 min Scan# 2206

Delta R.T. 0.01 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

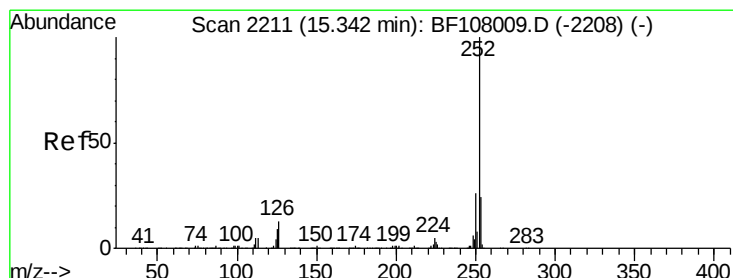
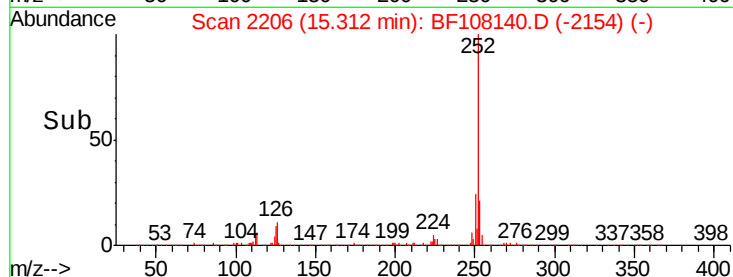
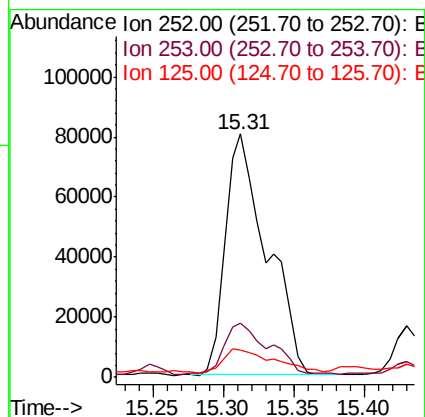
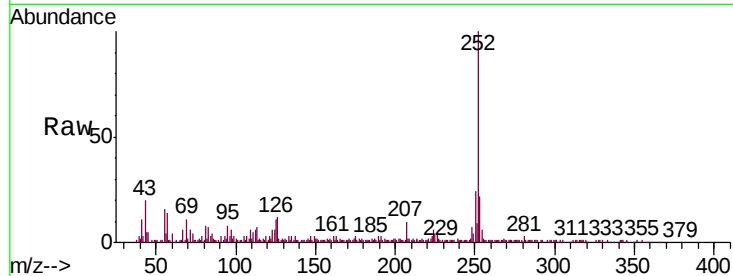
Instrument :

BNA_F

ClientSampleId :

G.L-WC-01RE

Tgt Ion:	252	Resp:	165039
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	11.1	9.0	13.6



#88

Benzo(k)fluoranthene

Concen: 9.251 ng

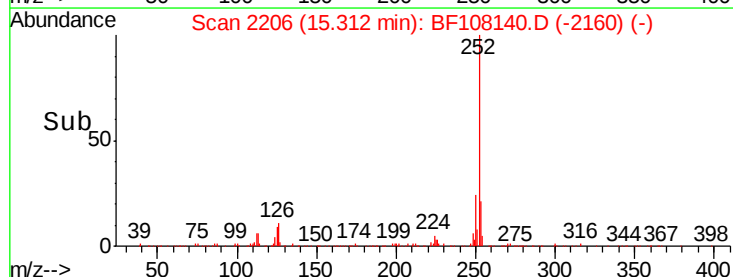
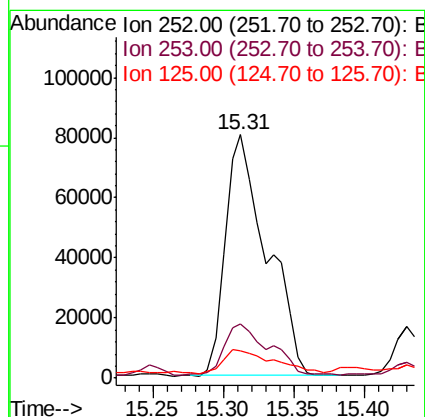
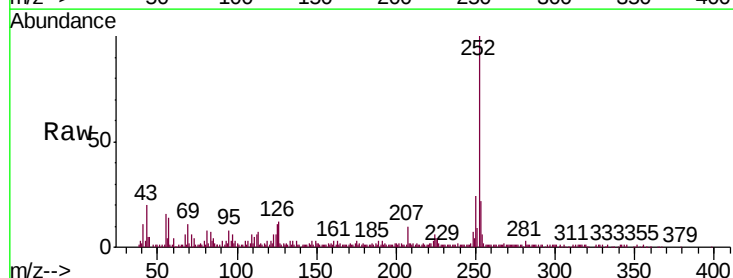
RT: 15.31 min Scan# 2206

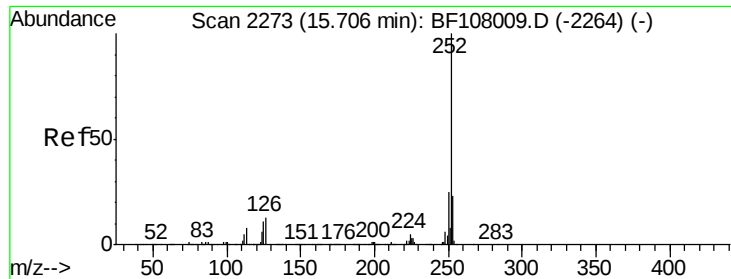
Delta R.T. -0.03 min

Lab File: BF108140.D

Acq: 14 Aug 2018 13:12

Tgt Ion:	252	Resp:	165039
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	11.1	10.2	15.2

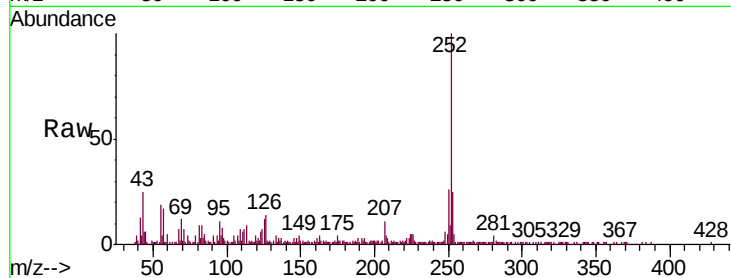




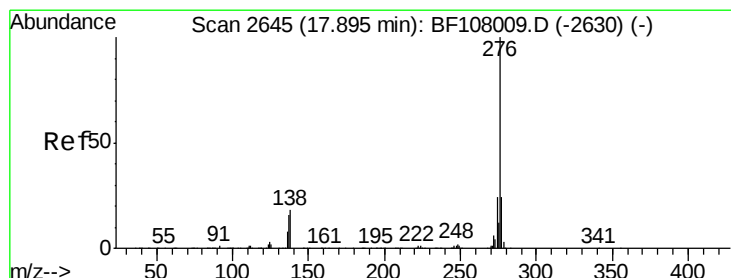
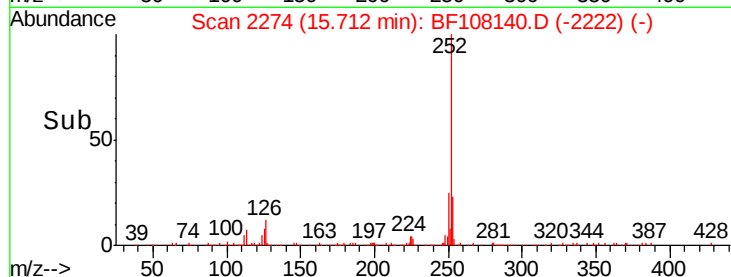
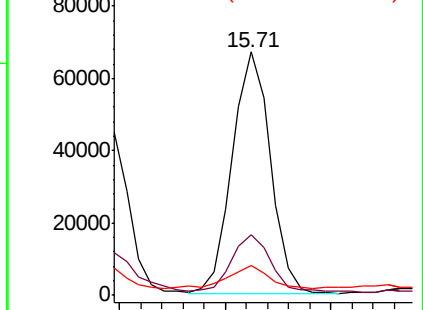
#89
Benzo(a)pyrene
Concen: 4.787 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF108140.D
Acq: 14 Aug 2018 13:12

Instrument :
BNA_F
ClientSampleId :
G.L-WC-01RE

Tgt Ion:252 Resp: 83182
Ion Ratio Lower Upper
252 100
253 24.6 17.1 25.7
125 12.2 9.8 14.6

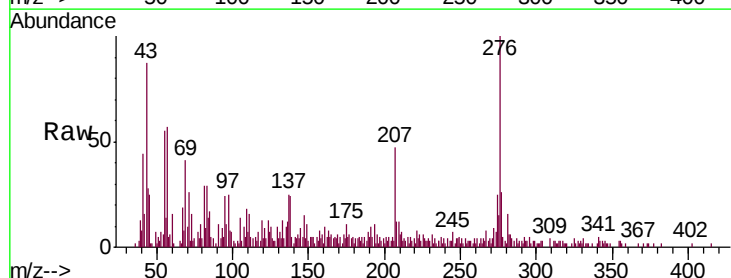


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.613 ng
RT: 17.89 min Scan# 2645
Delta R.T. -0.00 min
Lab File: BF108140.D
Acq: 14 Aug 2018 13:12

Tgt Ion:276 Resp: 37003
Ion Ratio Lower Upper
276 100
277 26.2 17.9 26.9
138 23.6 21.8 32.8



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

