

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
 Data File : BF108124.D
 Acq On : 13 Aug 2018 18:53
 Operator : JU/SJ
 Sample : J4430-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 14 01:11:26 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	206216	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	733334	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	341072	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	602279	20.00	ng	0.01
75) Chrysene-d12	14.24	240	476842	20.00	ng	0.02
86) Perylene-d12	15.81	264	334356	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	1279750	112.35	ng	0.02
7) Phenol-d6	6.64	99	1702408	112.47	ng	0.01
23) Nitrobenzene-d5	7.58	82	1073212	81.66	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	365704	107.49	ng	0.01
44) 2-Fluorobiphenyl	9.38	172	1669848	78.60	ng	0.00
78) Terphenyl-d14	13.17	244	1527183	81.43	ng	0.02

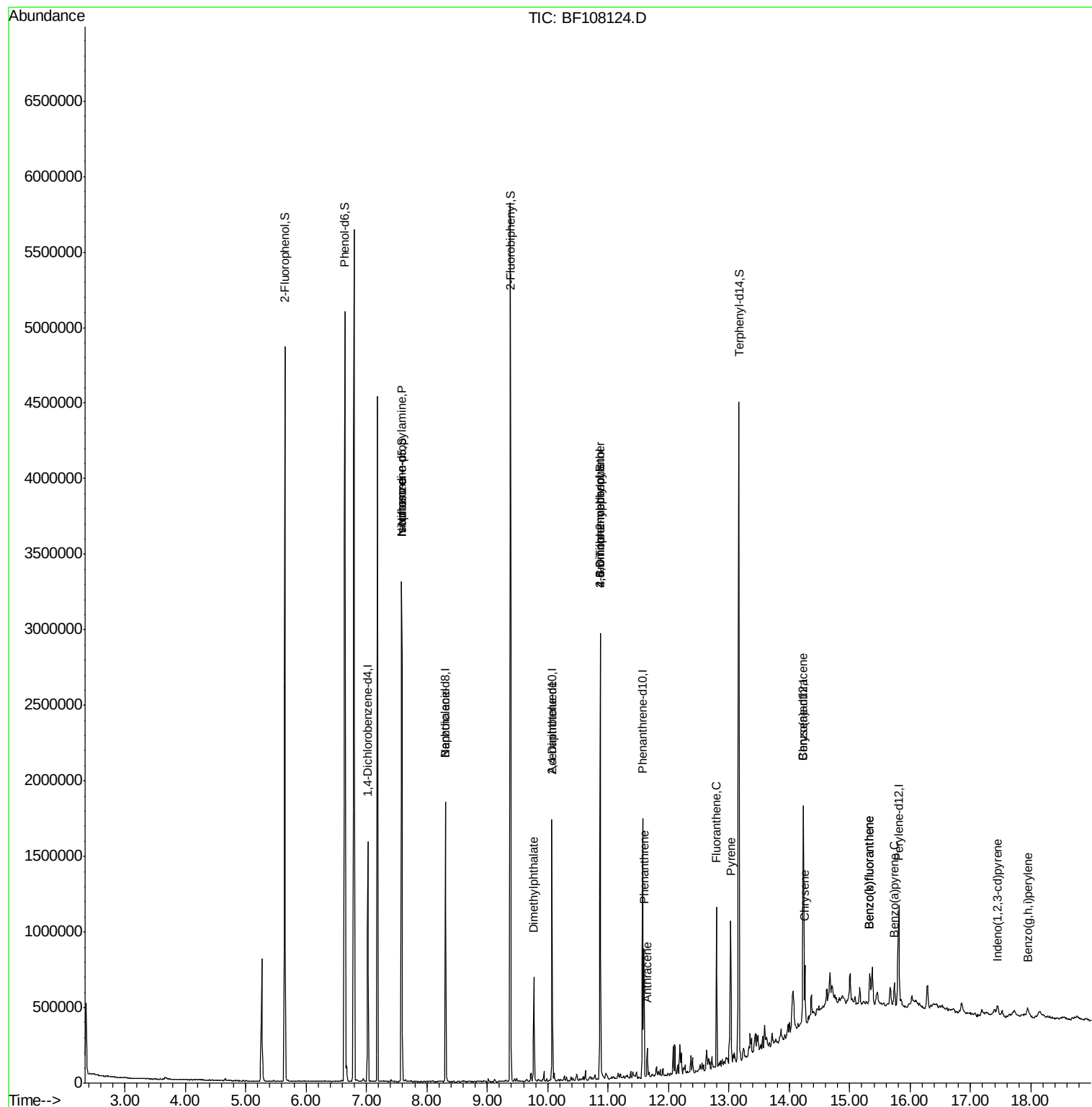
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	146409	14.304	ng	# 86
25) Isophorone	7.58	82	1073198	42.844	ng	# 64
32) Benzoic acid	8.31	122	125	5.991	ng	# 1
49) Dimethylphthalate	9.77	163	233490	9.828	ng	99
56) 2,4-Dinitrotoluene	10.07	165	43691	6.829	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.87	198	695	5.632	ng	# 1
66) 4-Bromophenyl-phenylether	10.87	248	24599	3.758	ng	# 1
70) Phenanthrene	11.60	178	287058	10.105	ng	99
71) Anthracene	11.65	178	69106	2.374	ng	99
74) Fluoranthene	12.80	202	381276	12.298	ng	96
77) Pyrene	13.03	202	384795	12.746	ng	99
80) Benzo(a)anthracene	14.22	228	166876	6.098	ng	98
82) Chrysene	14.26	228	153998	6.138	ng	97
85) Indeno(1,2,3-cd)pyrene	17.45	276	44412	2.043	ng	# 85
87) Benzo(b)fluoranthene	15.34	252	158683	7.942	ng	95
88) Benzo(k)fluoranthene	15.34	252	158683	8.640	ng	97
89) Benzo(a)pyrene	15.74	252	85997	4.807	ng	97
91) Benzo(g,h,i)perylene	17.95	276	43922	3.013	ng	# 90

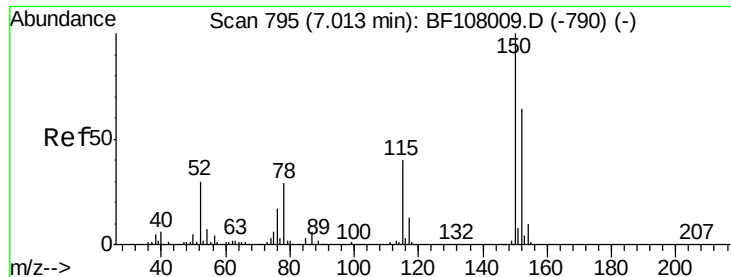
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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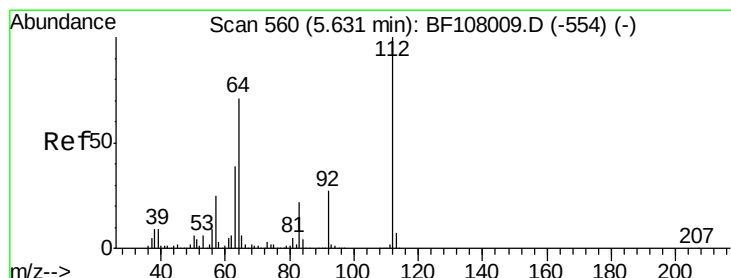
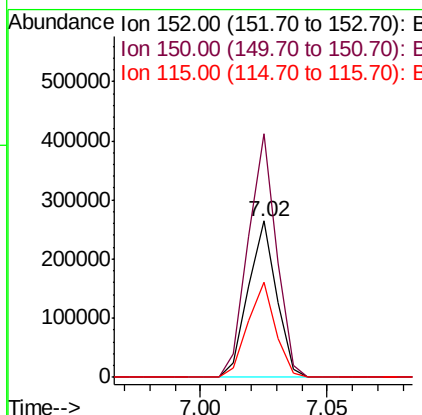
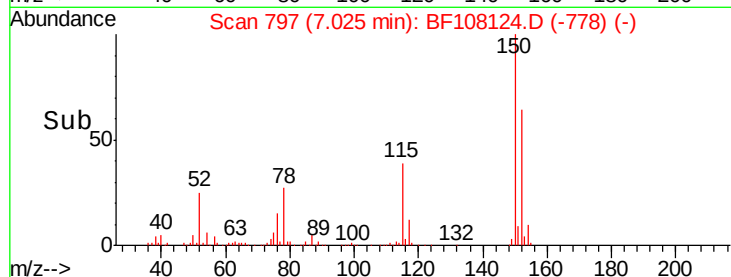
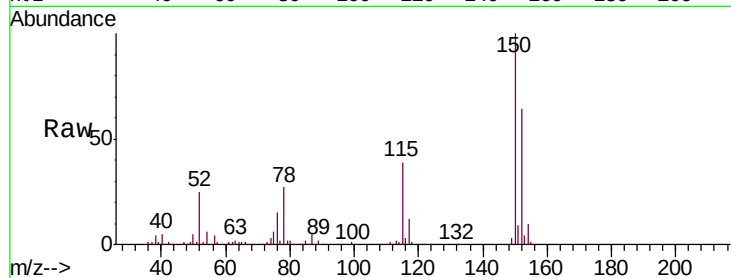


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108124.D
Acq: 13 Aug 2018 18:53

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

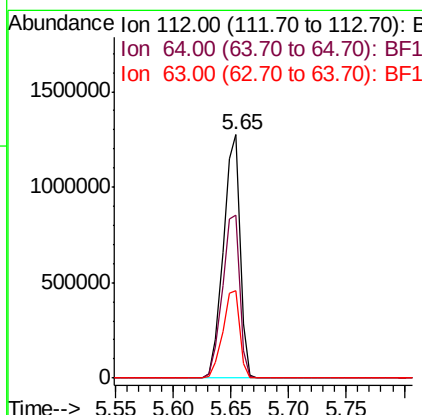
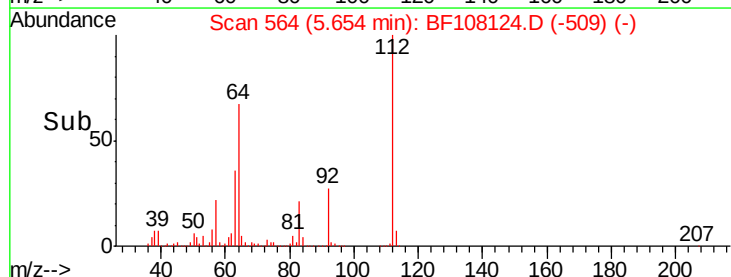
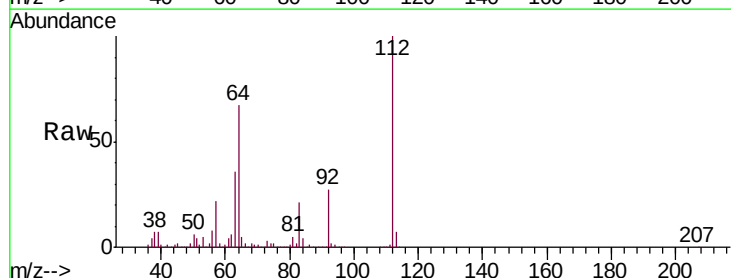
Tgt Ion:152 Resp: 206216
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 60.8 50.1 75.1

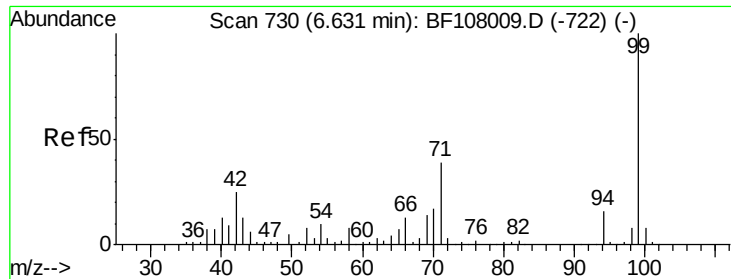


#5

2-Fluorophenol
Concen: 112.354 ng
RT: 5.65 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF108124.D
Acq: 13 Aug 2018 18:53

Tgt Ion:112 Resp: 1279750
Ion Ratio Lower Upper
112 100
64 67.1 47.9 71.9
63 36.0 23.7 35.5#





#7

Phenol-d6

Concen: 112.473 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108124.D

Acq: 13 Aug 2018 18:53

Instrument :

BNA_F

ClientSampleId :

G.L-WC-01

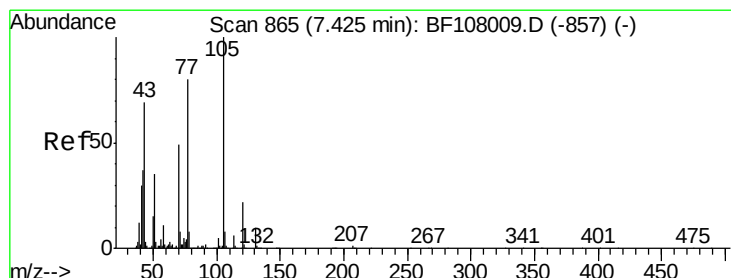
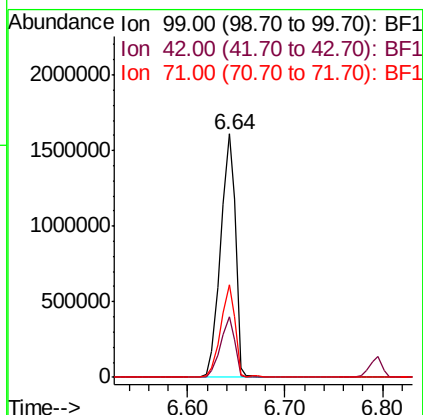
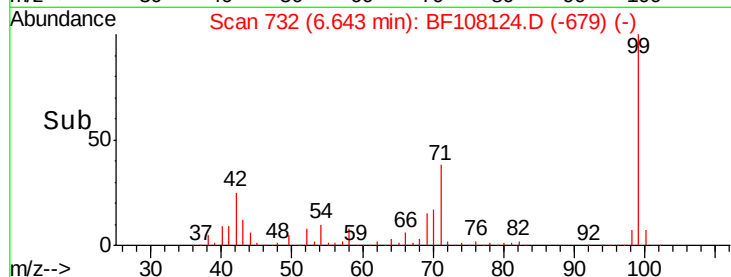
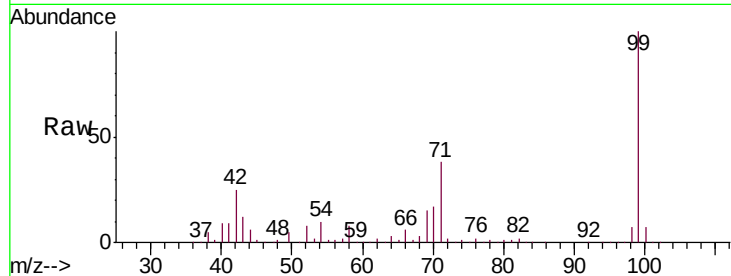
Tgt Ion: 99 Resp: 1702408

Ion Ratio Lower Upper

99 100

42 24.8 14.5 21.7#

71 38.1 25.4 38.0#



#19

n-Nitroso-di-n-propylamine

Concen: 14.304 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.16 min

Lab File: BF108124.D

Acq: 13 Aug 2018 18:53

Tgt Ion: 70 Resp: 146409

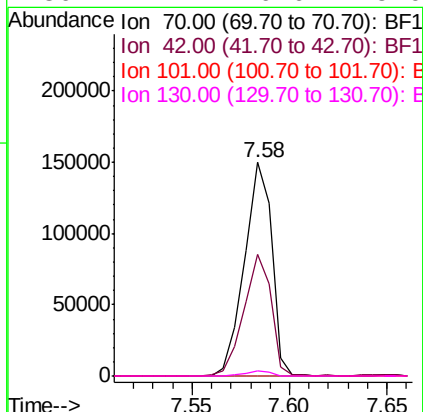
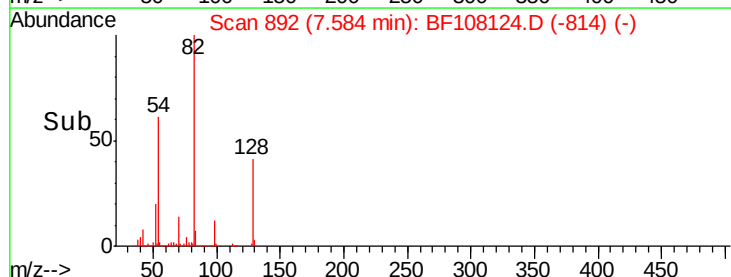
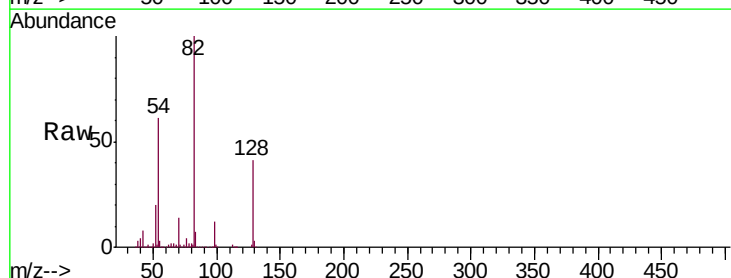
Ion Ratio Lower Upper

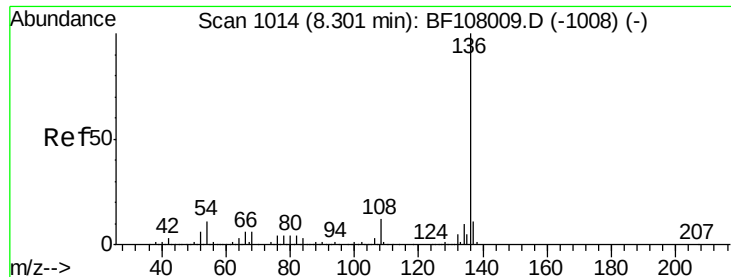
70 100

42 57.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

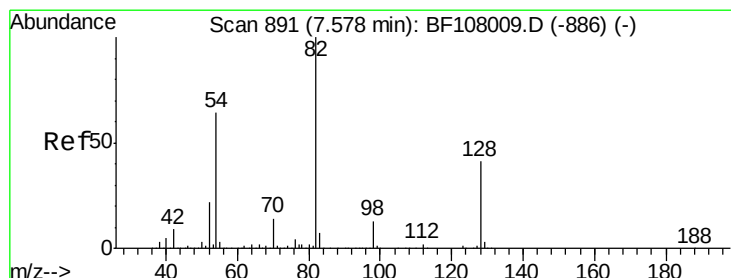
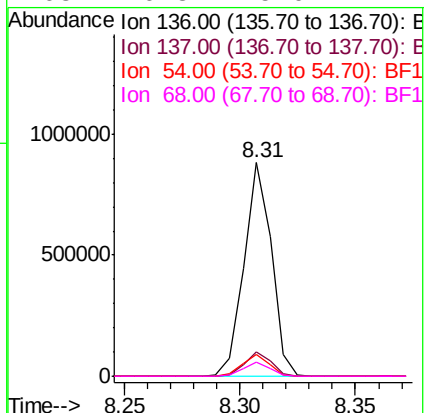
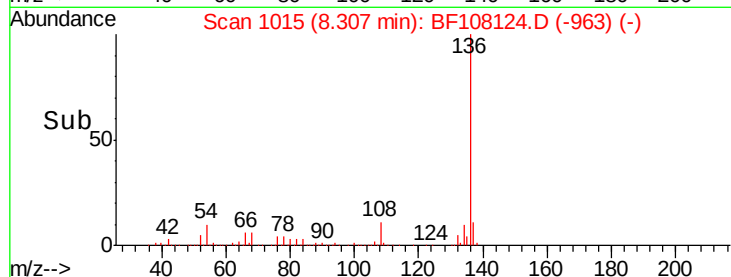
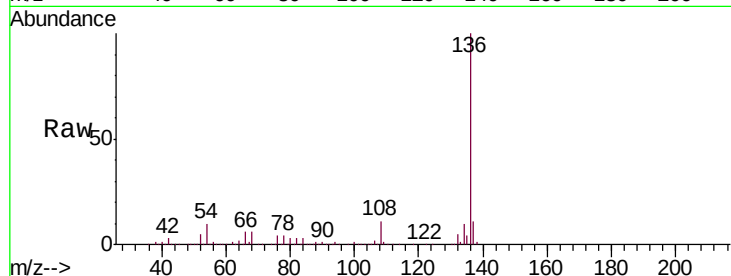




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.31 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF108124.D
Acq: 13 Aug 2018 18:53

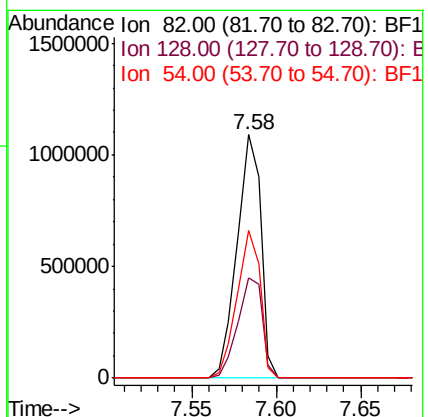
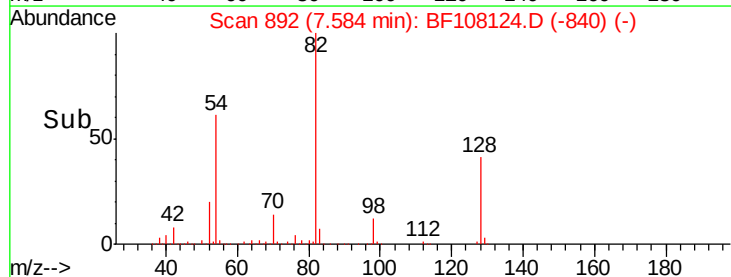
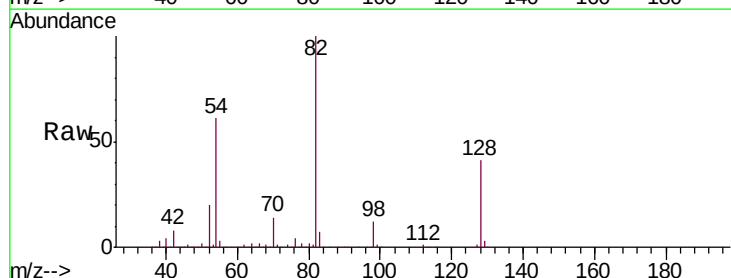
Instrument :
BNA_F
ClientSampleId :
G.L-WC-01

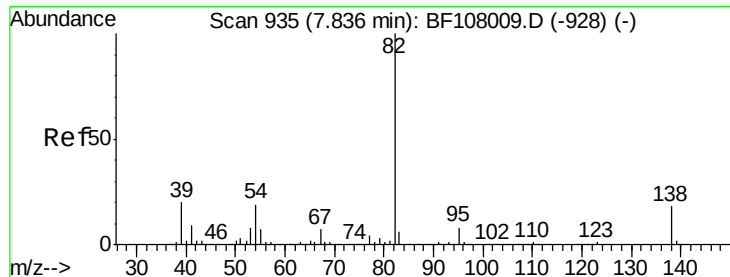
Tgt Ion:	136	Resp:	733334
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	10.2	6.6	9.8#
68	6.3	5.0	7.4



#23
Nitrobenzene-d5
Concen: 81.664 ng
RT: 7.58 min Scan# 892
Delta R.T. 0.01 min
Lab File: BF108124.D
Acq: 13 Aug 2018 18:53

Tgt Ion:	82	Resp:	1073212
Ion	Ratio	Lower	Upper
82	100		
128	41.0	36.1	54.1
54	60.6	41.4	62.2





#25

Isophorone

Concen: 42.844 ng

RT: 7.58 min Scan# 892

Delta R.T. -0.25 min

Lab File: BF108124.D

Acq: 13 Aug 2018 18:53

Instrument :

BNA_F

ClientSampled :

G.L-WC-01

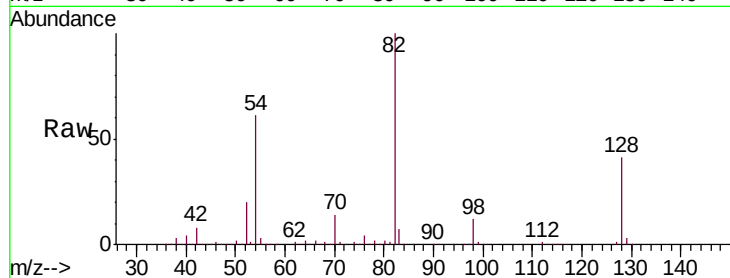
Tgt Ion: 82 Resp: 1073198

Ion Ratio Lower Upper

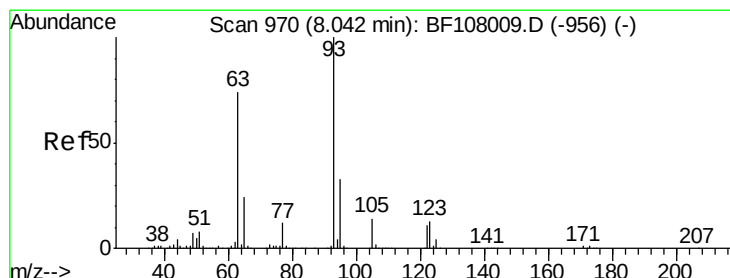
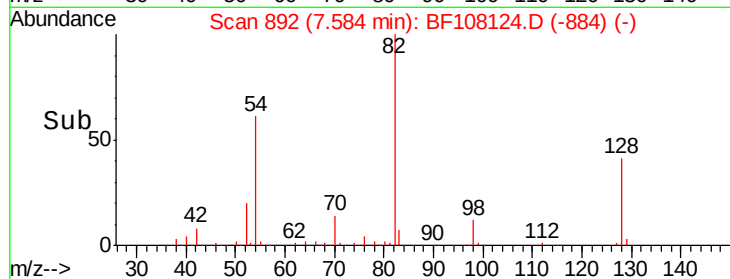
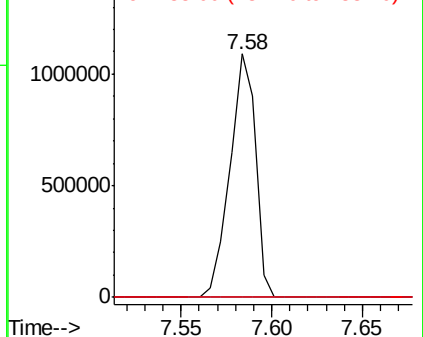
82 100

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



#32

Benzoic acid

Concen: 5.991 ng

RT: 8.31 min Scan# 1015

Delta R.T. 0.27 min

Lab File: BF108124.D

Acq: 13 Aug 2018 18:53

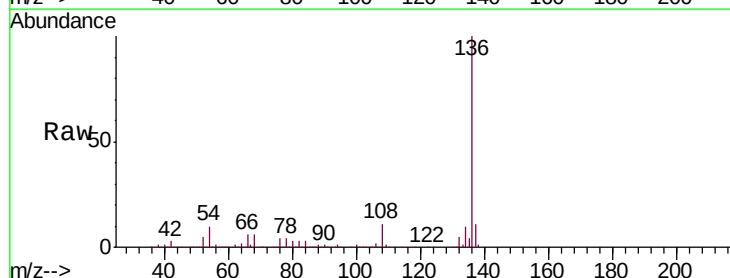
Tgt Ion: 122 Resp: 125

Ion Ratio Lower Upper

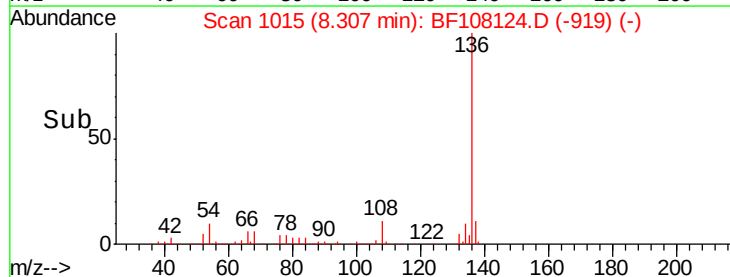
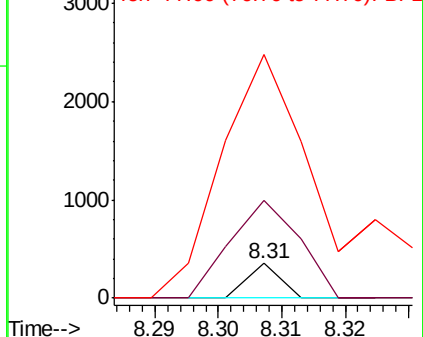
122 100

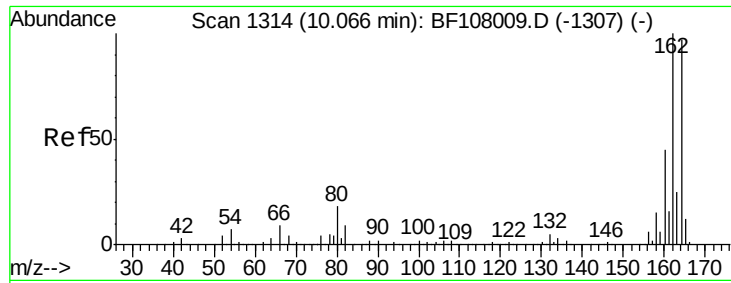
105 281.3 101.1 141.1#

77 702.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.07 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF108124.D

Acq: 13 Aug 2018 18:53

Instrument :

BNA_F

ClientSampleId :

G.L-WC-01

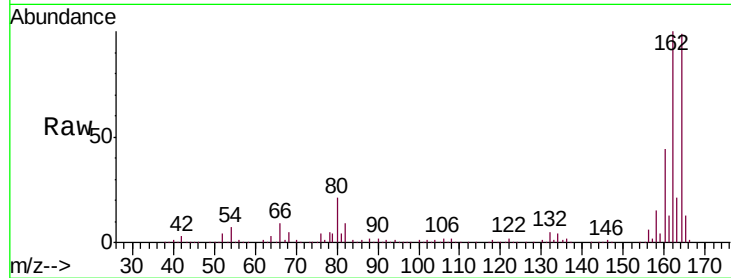
Tgt Ion:164 Resp: 341072

Ion Ratio Lower Upper

164 100

162 100.7 86.1 129.1

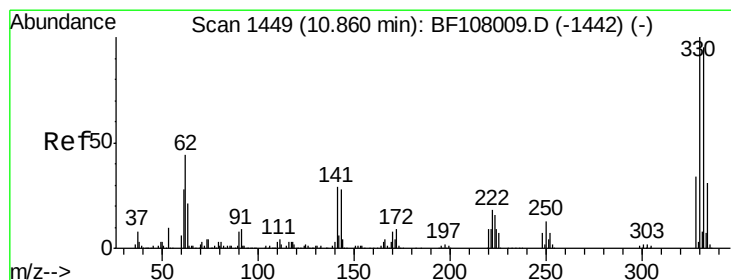
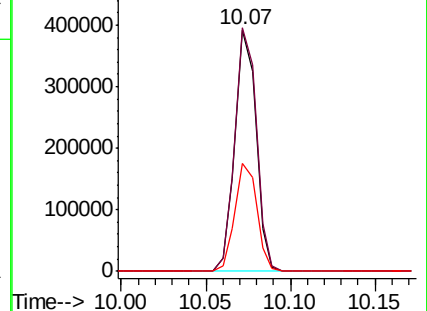
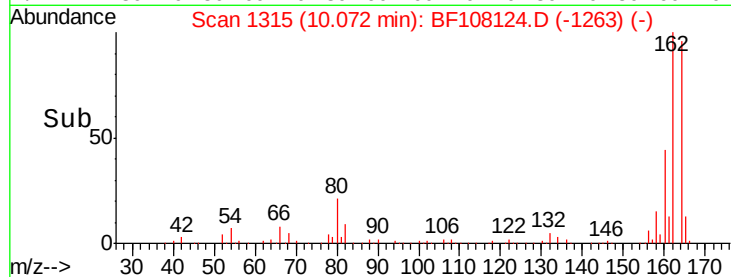
160 44.6 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 107.493 ng

RT: 10.87 min Scan# 1451

Delta R.T. 0.01 min

Lab File: BF108124.D

Acq: 13 Aug 2018 18:53

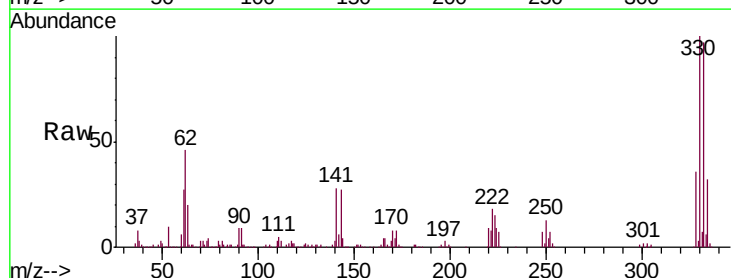
Tgt Ion:330 Resp: 365704

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

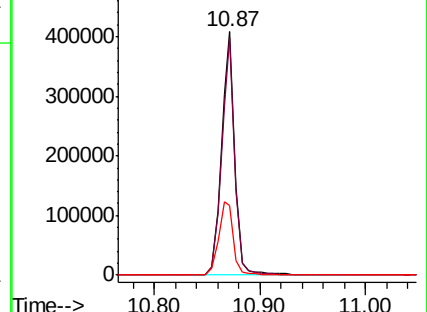
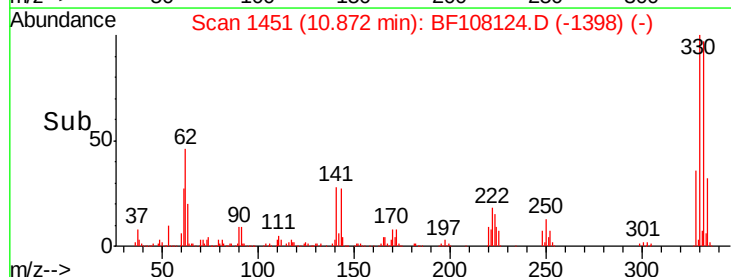
141 33.5 29.9 44.9

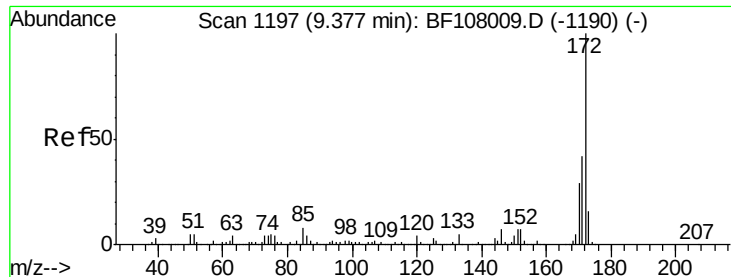


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

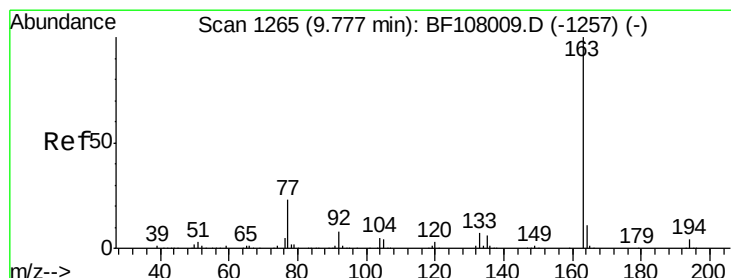
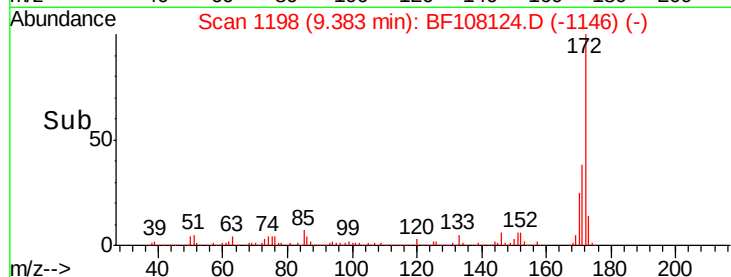
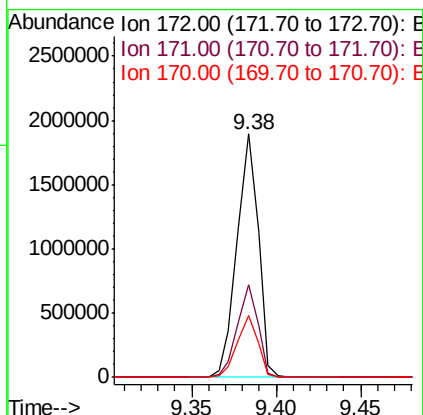
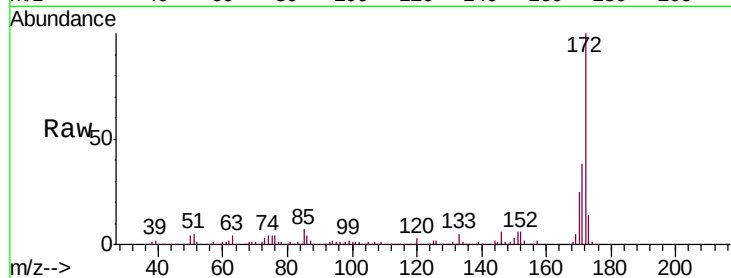




#44
2-Fluorobiphenyl
Concen: 78.602 ng
RT: 9.38 min Scan# 1198
Delta R.T. 0.01 min
Lab File: BF108124.D
Acq: 13 Aug 2018 18:53

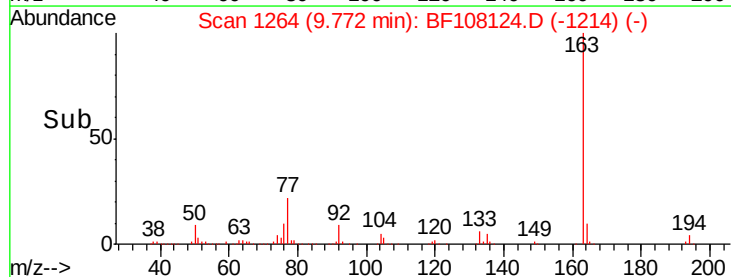
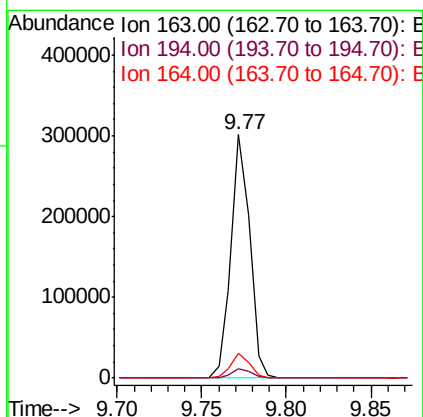
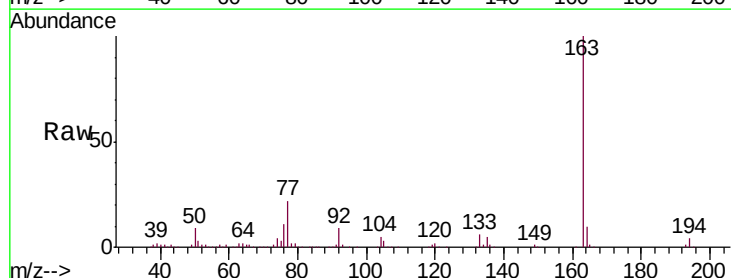
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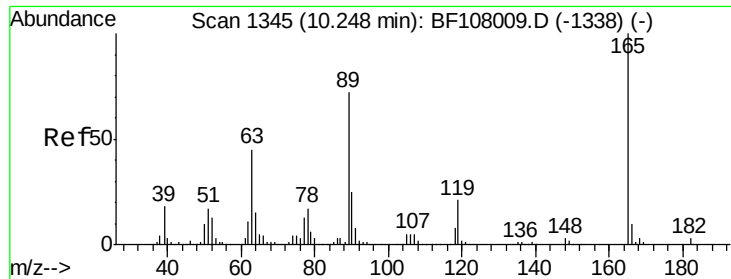
Tgt Ion:172 Resp: 1669848
Ion Ratio Lower Upper
172 100
171 38.1 29.7 44.5
170 25.3 19.6 29.4



#49
Dimethylphthalate
Concen: 9.828 ng
RT: 9.77 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF108124.D
Acq: 13 Aug 2018 18:53

Tgt Ion:163 Resp: 233490
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.3 8.2 12.2

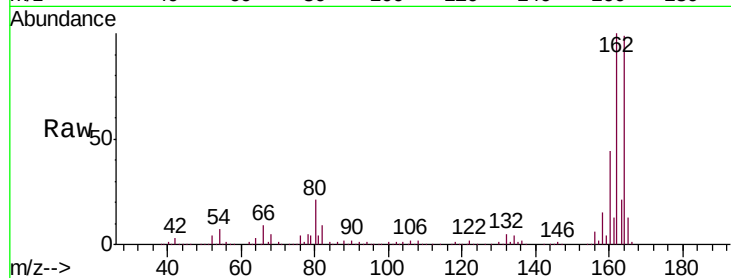




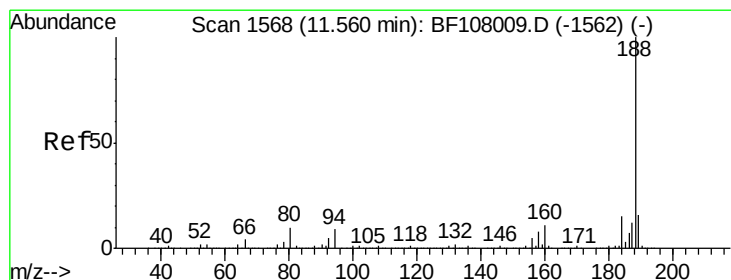
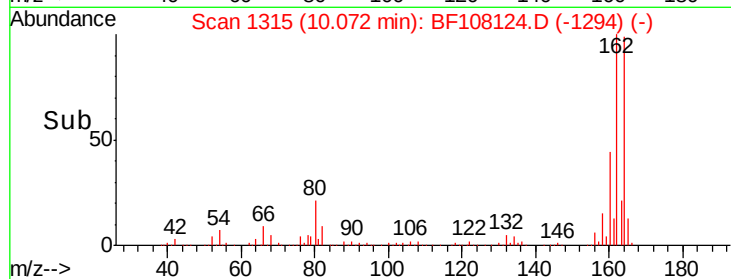
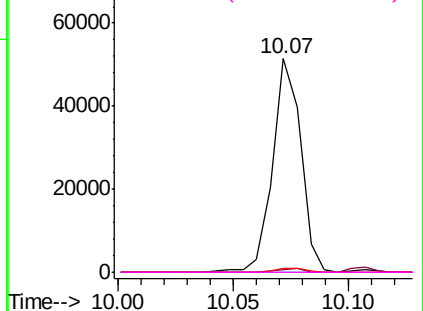
#56
 2,4-Dinitrotoluene
 Concen: 6.829 ng
 RT: 10.07 min Scan# 1315
 Delta R.T. -0.18 min
 Lab File: BF108124.D
 Acq: 13 Aug 2018 18:53

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

Tgt Ion:	165	Resp:	43691
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	2.0	57.8	86.6#
182	0.0	1.6	2.4#

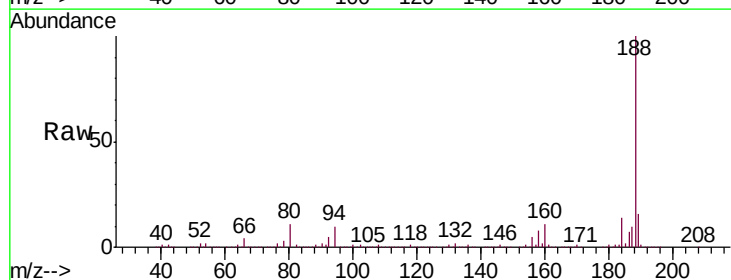


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

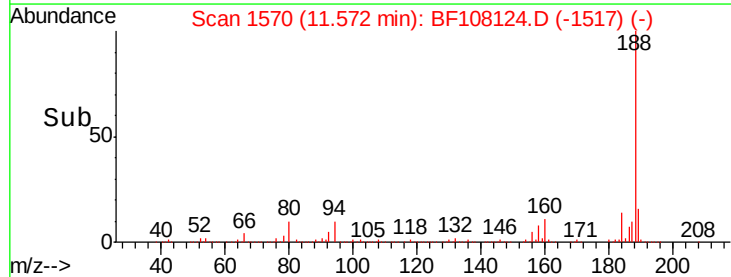
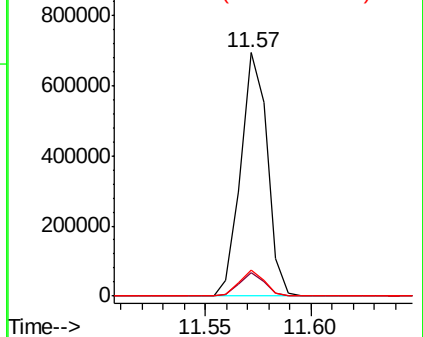


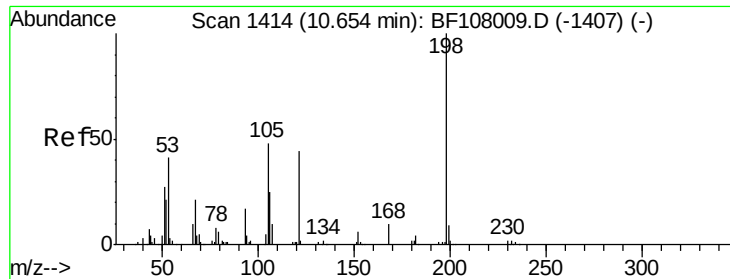
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF108124.D
 Acq: 13 Aug 2018 18:53

Tgt Ion:	188	Resp:	602279
Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.5	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

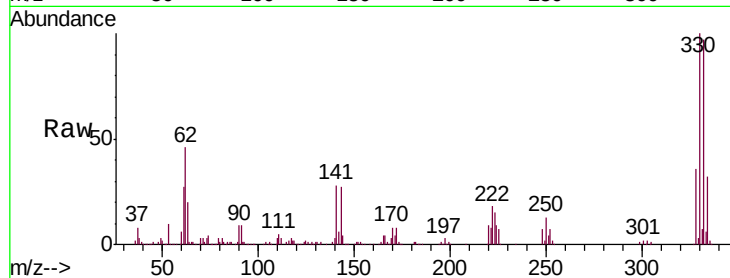




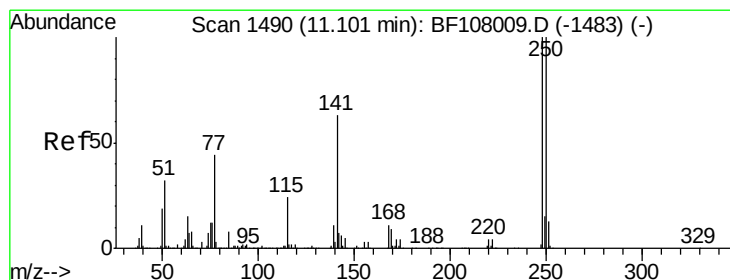
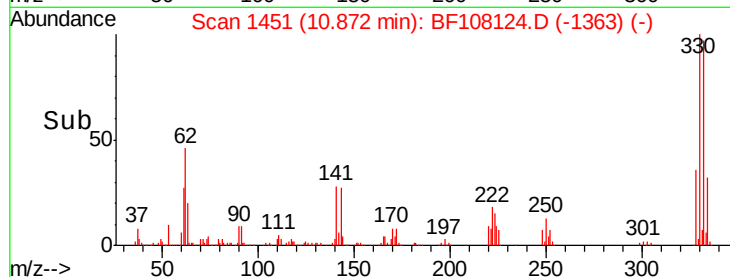
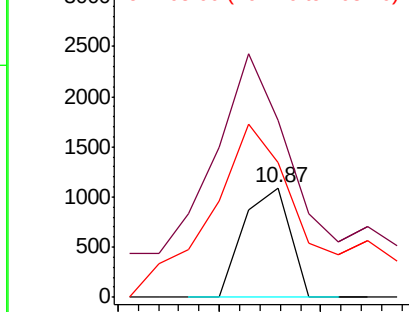
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.632 ng
 RT: 10.87 min Scan# 1451
 Delta R.T. 0.22 min
 Lab File: BF108124.D
 Acq: 13 Aug 2018 18:53

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

Tgt Ion:198 Resp: 695
 Ion Ratio Lower Upper
 198 100
 51 161.1 37.7 77.7#
 105 122.7 36.3 76.3#

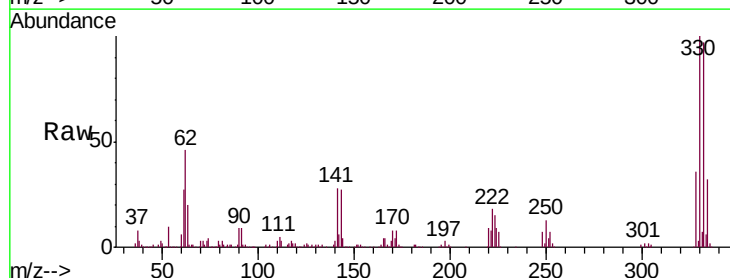


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

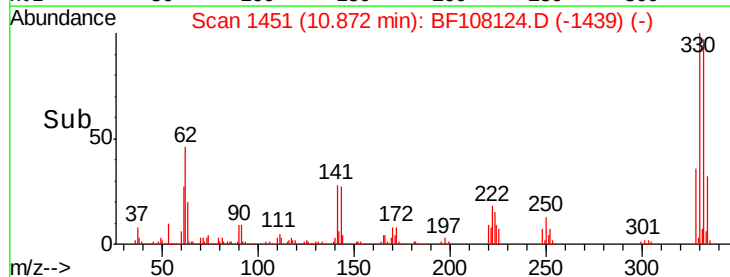
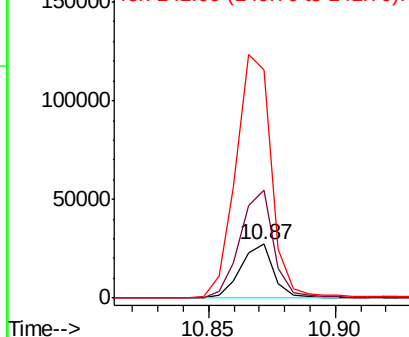


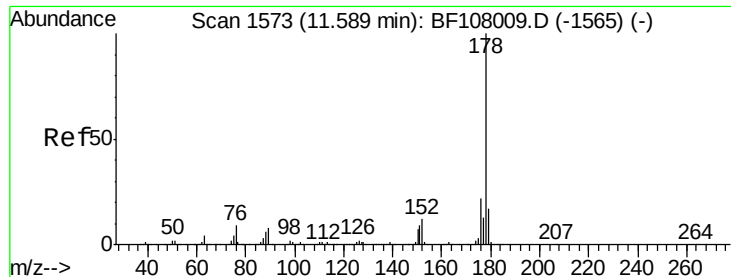
#66
 4-Bromophenyl-phenylether
 Concen: 3.758 ng
 RT: 10.87 min Scan# 1451
 Delta R.T. -0.23 min
 Lab File: BF108124.D
 Acq: 13 Aug 2018 18:53

Tgt Ion:248 Resp: 24599
 Ion Ratio Lower Upper
 248 100
 250 200.8 76.9 115.3#
 141 427.1 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

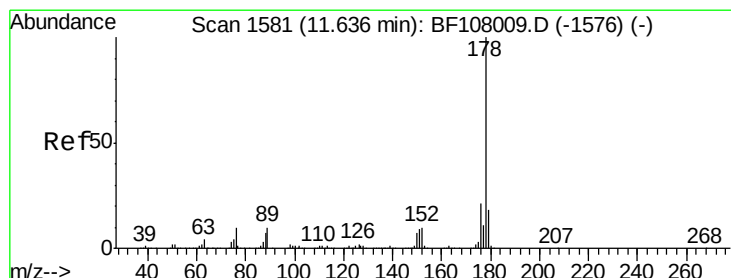
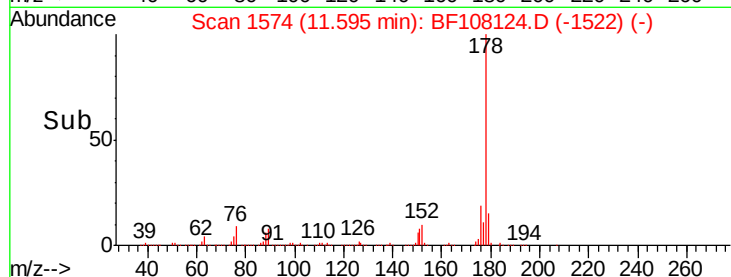
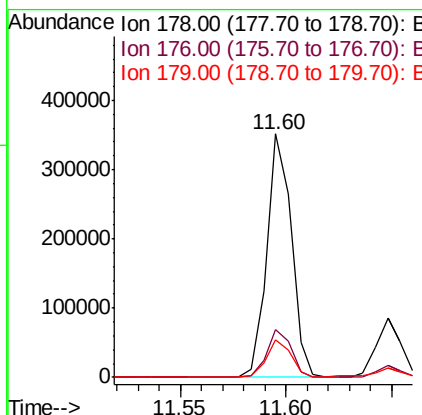
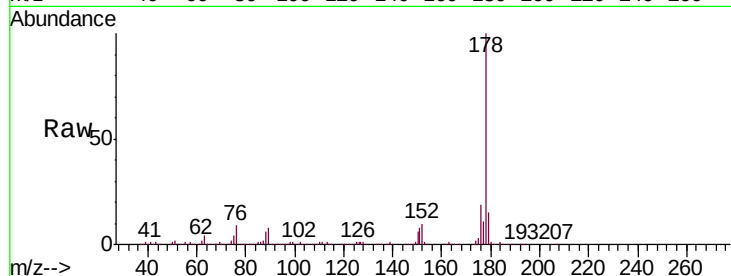




#70
Phenanthrene
Concen: 10.105 ng
RT: 11.60 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF108124.D
Acq: 13 Aug 2018 18:53

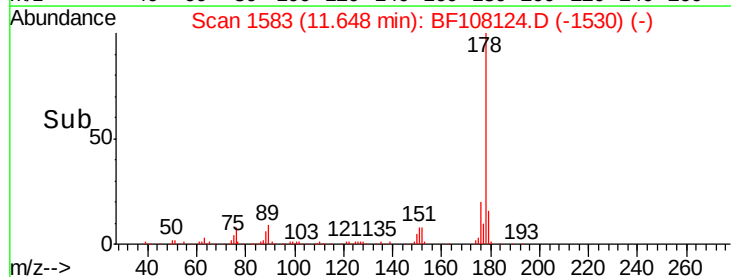
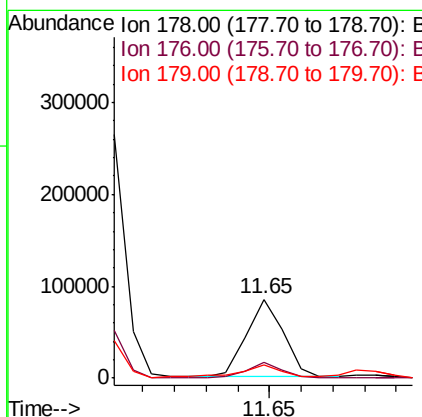
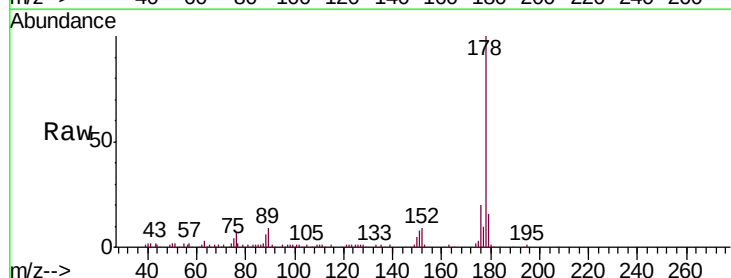
Instrument :
BNA_F
ClientSampleId :
G.L-WC-01

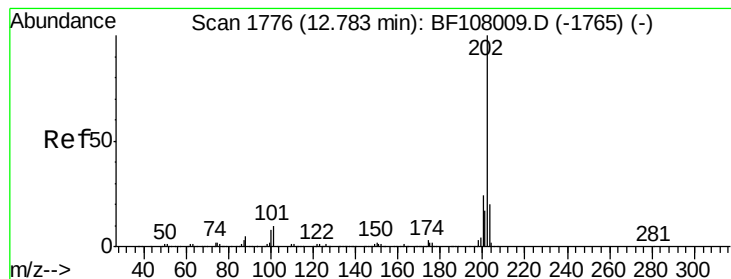
Tgt Ion:178 Resp: 287058
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.5 13.0 19.6



#71
Anthracene
Concen: 2.374 ng
RT: 11.65 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF108124.D
Acq: 13 Aug 2018 18:53

Tgt Ion:178 Resp: 69106
Ion Ratio Lower Upper
178 100
176 20.3 15.4 23.2
179 15.9 12.6 19.0





#74

Fluoranthene

Concen: 12.298 ng

RT: 12.80 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF108124.D

Acq: 13 Aug 2018 18:53

Instrument :

BNA_F

ClientSampleId :

G.L-WC-01

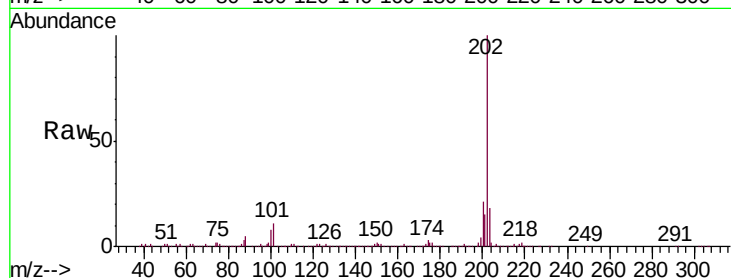
Tgt Ion: 202 Resp: 381276

Ion Ratio Lower Upper

202 100

101 10.7 0.0 34.1

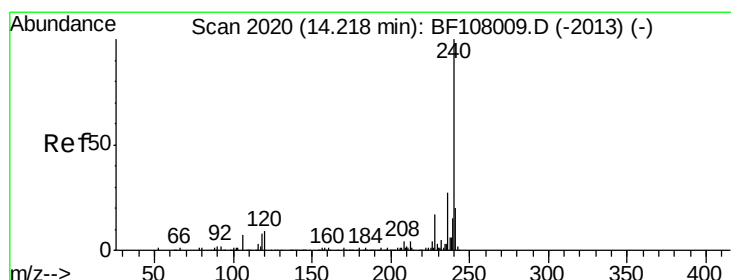
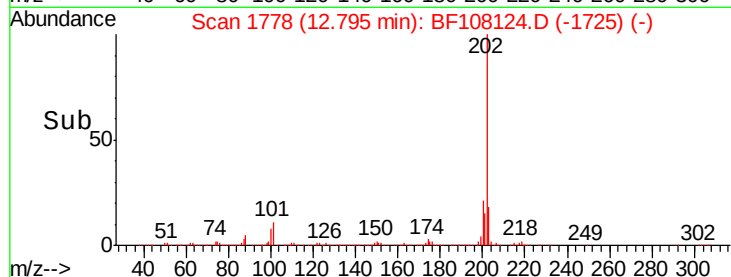
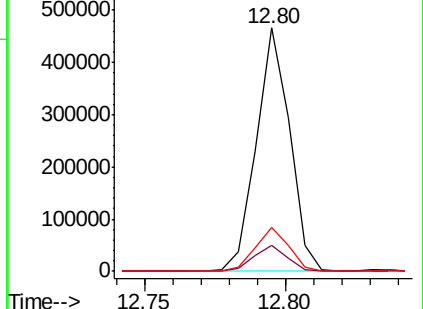
203 18.0 0.0 38.1



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: 14.24 min Scan# 2023

Delta R.T. 0.02 min

Lab File: BF108124.D

Acq: 13 Aug 2018 18:53

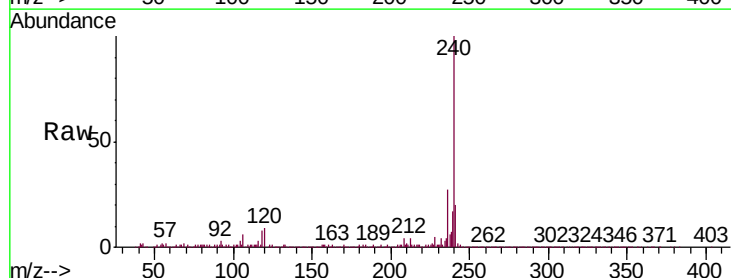
Tgt Ion: 240 Resp: 476842

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

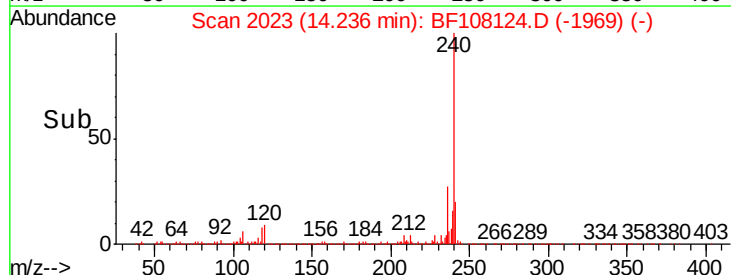
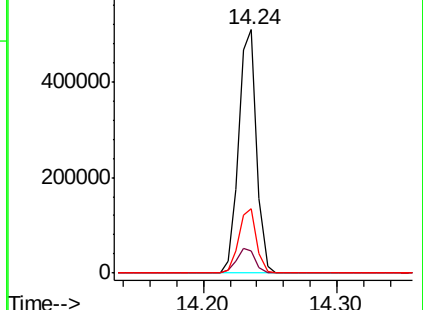
236 26.7 20.7 31.1

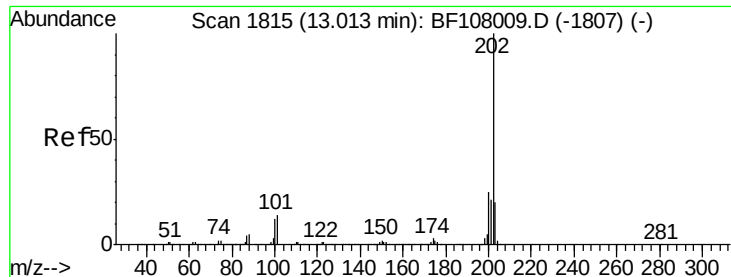


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 12.746 ng

RT: 13.03 min Scan# 1818

Delta R.T. 0.02 min

Lab File: BF108124.D

Acq: 13 Aug 2018 18:53

Instrument :

BNA_F

ClientSampled :

G.L-WC-01

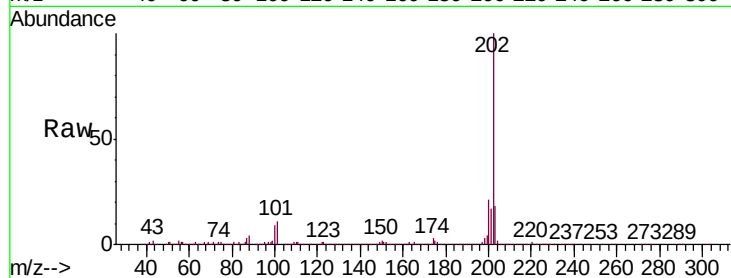
Tgt Ion:202 Resp: 384795

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

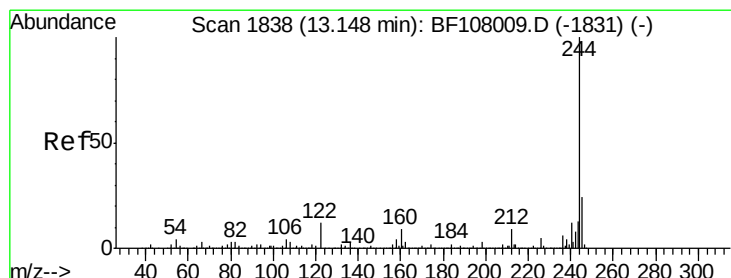
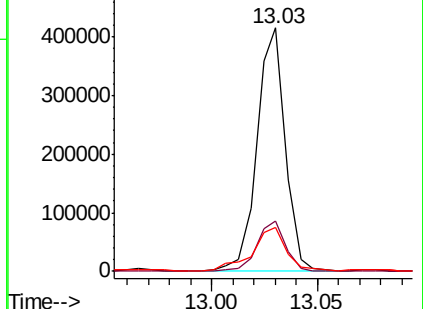
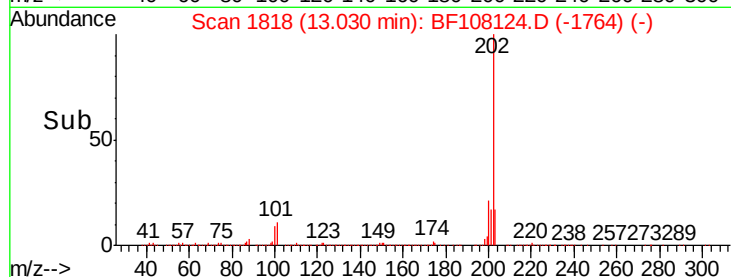
203 17.8 14.3 21.5



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: 81.431 ng

RT: 13.17 min Scan# 1841

Delta R.T. 0.02 min

Lab File: BF108124.D

Acq: 13 Aug 2018 18:53

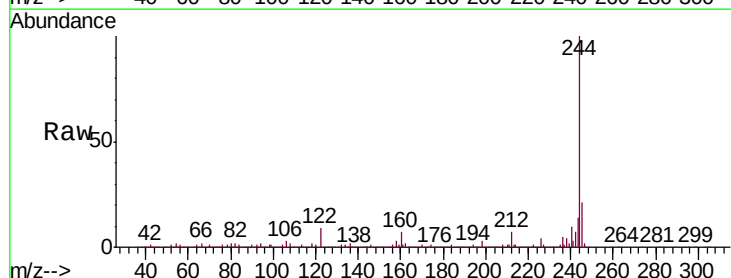
Tgt Ion:244 Resp: 1527183

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

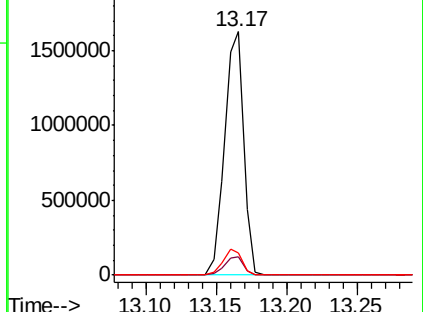
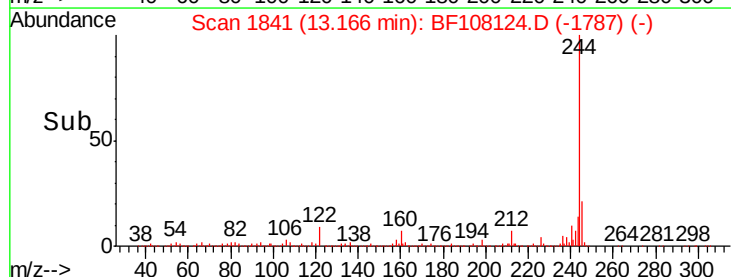
122 9.2 11.0 16.4#

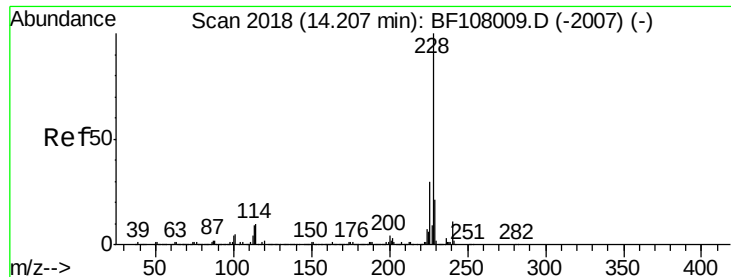


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

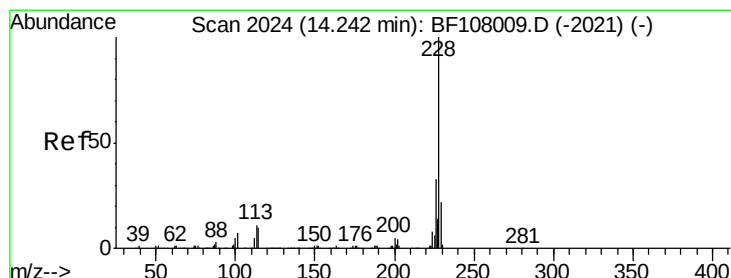
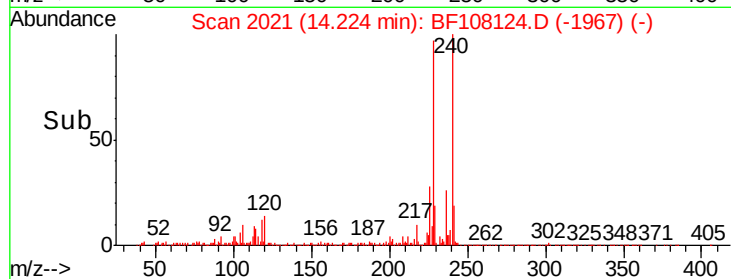
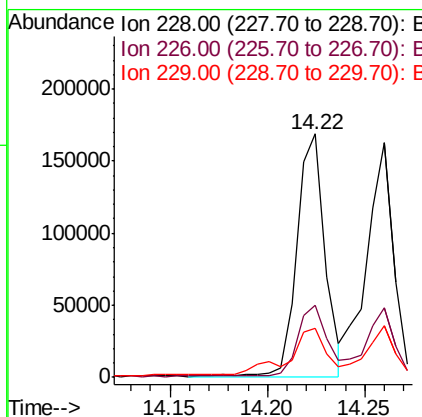
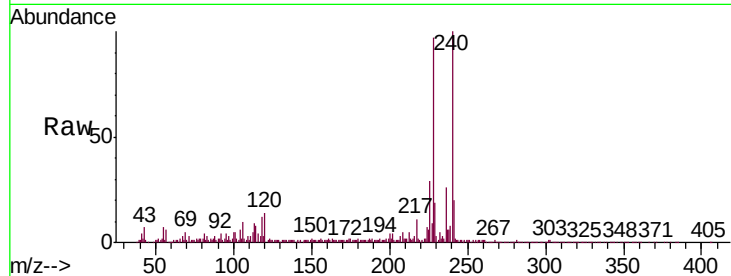




#80
Benzo(a)anthracene
Concen: 6.098 ng
RT: 14.22 min Scan# 2021
Delta R.T. 0.02 min
Lab File: BF108124.D
Acq: 13 Aug 2018 18:53

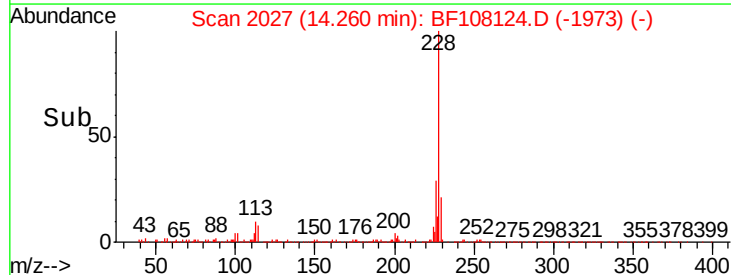
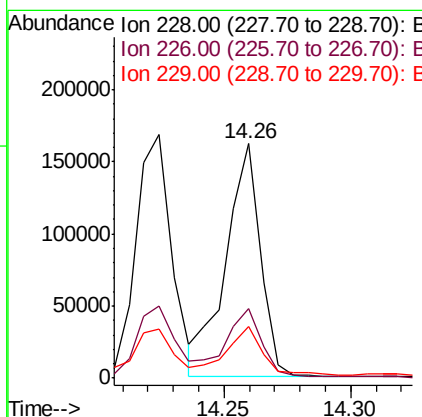
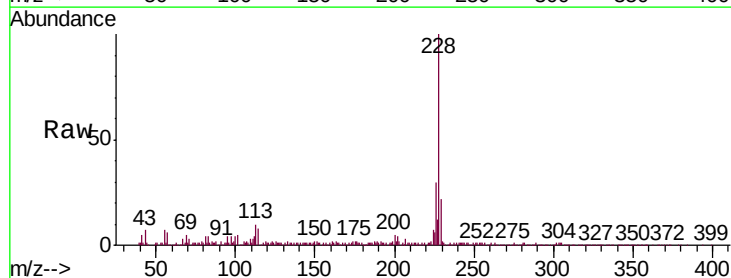
Instrument :
BNA_F
ClientSampleId :
G.L-WC-01

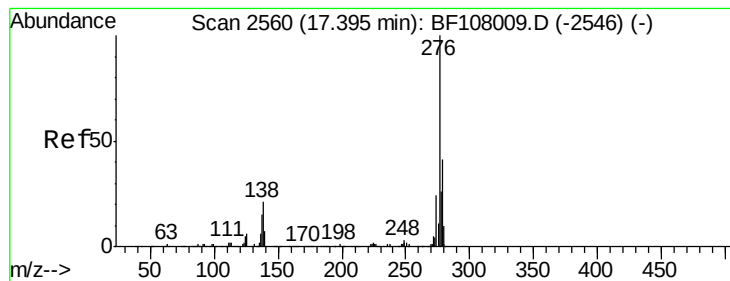
Tgt Ion:228 Resp: 166876
Ion Ratio Lower Upper
228 100
226 29.5 22.6 33.8
229 20.1 15.8 23.6



#82
Chrysene
Concen: 6.138 ng
RT: 14.26 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BF108124.D
Acq: 13 Aug 2018 18:53

Tgt Ion:228 Resp: 153998
Ion Ratio Lower Upper
228 100
226 29.6 25.0 37.6
229 21.9 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.043 ng

RT: 17.45 min Scan# 2569

Delta R.T. 0.05 min

Lab File: BF108124.D

Acq: 13 Aug 2018 18:53

Instrument :

BNA_F

ClientSampleId :

G.L-WC-01

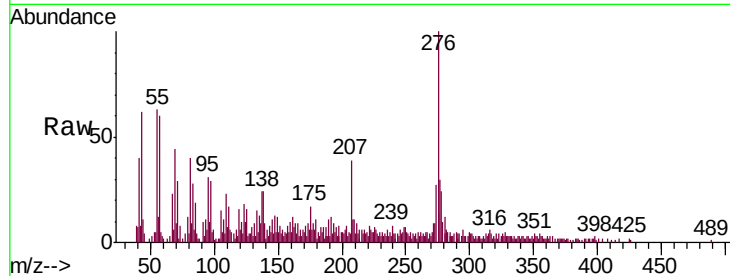
Tgt Ion:276 Resp: 44412

Ion Ratio Lower Upper

276 100

138 19.2 25.0 37.6#

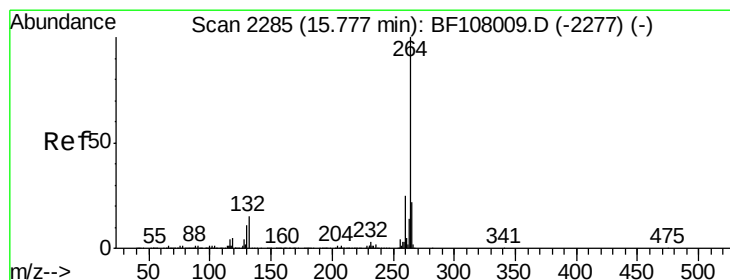
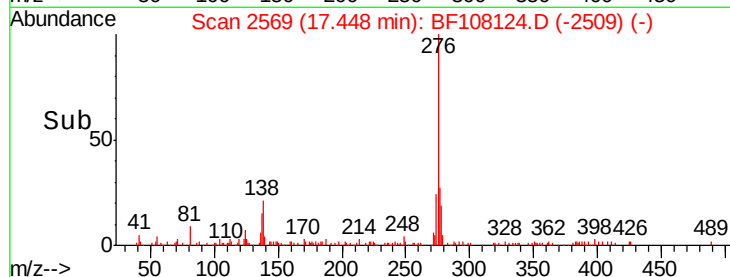
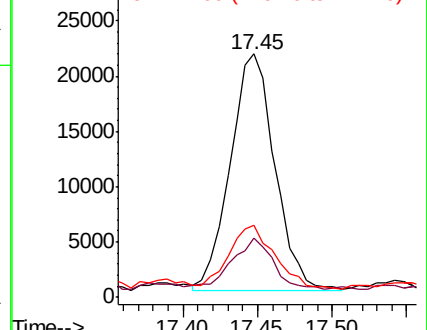
277 28.5 20.1 30.1



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: 15.81 min Scan# 2291

Delta R.T. 0.04 min

Lab File: BF108124.D

Acq: 13 Aug 2018 18:53

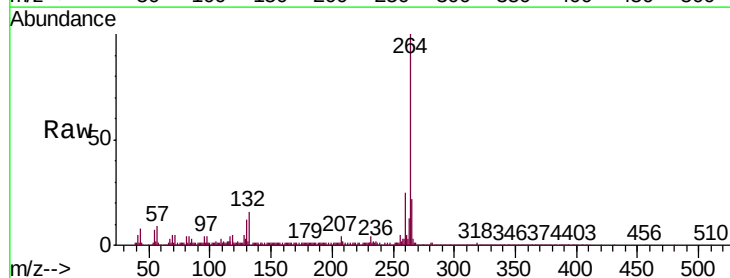
Tgt Ion:264 Resp: 334356

Ion Ratio Lower Upper

264 100

260 25.2 19.2 28.8

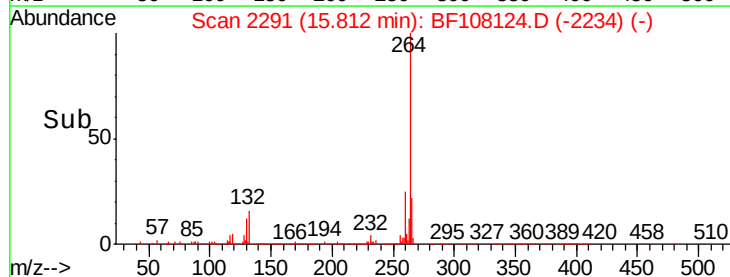
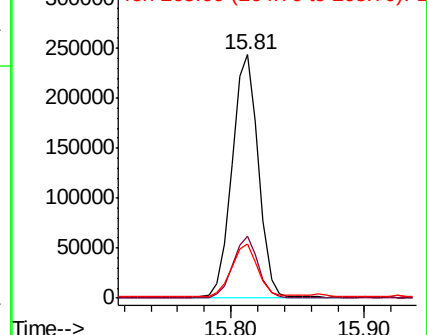
265 22.3 17.5 26.3

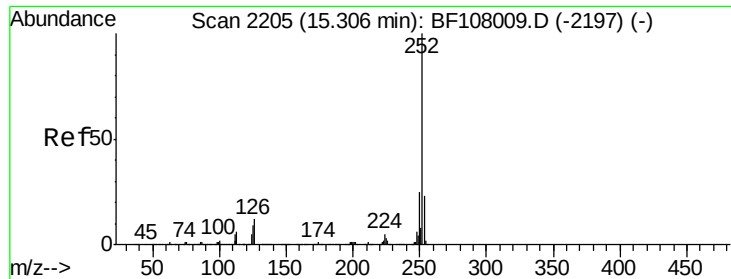


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

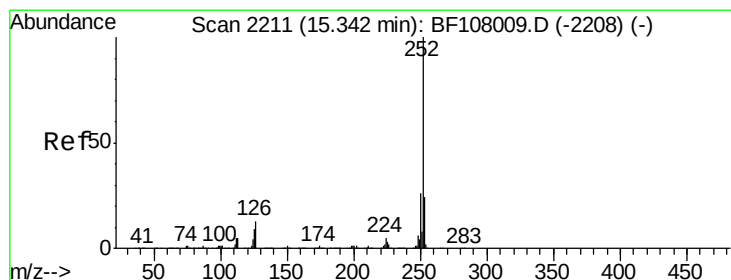
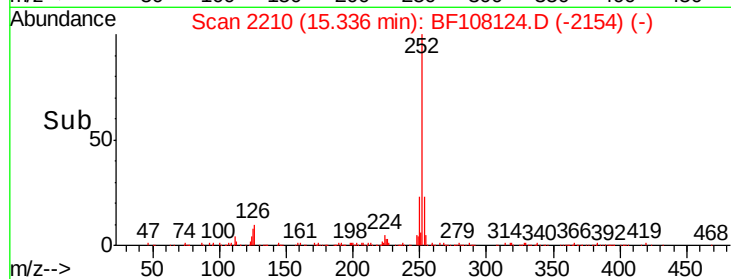
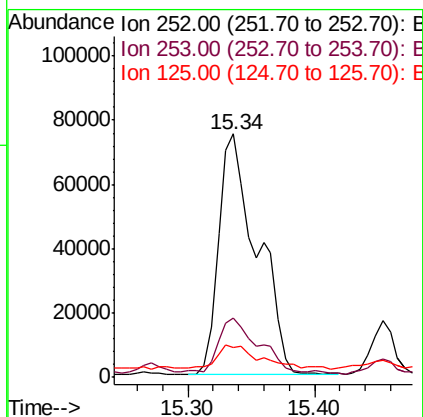
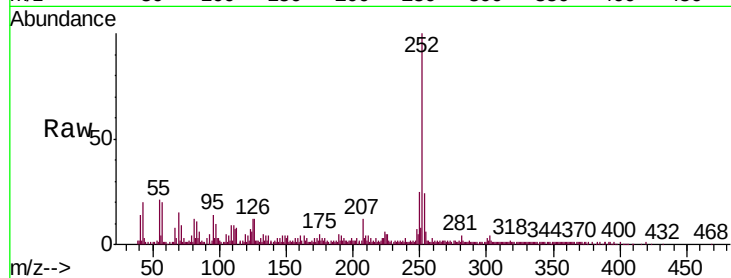




#87
Benzo(b)fluoranthene
Concen: 7.942 ng
RT: 15.34 min Scan# 2210
Delta R.T. 0.03 min
Lab File: BF108124.D
Acq: 13 Aug 2018 18:53

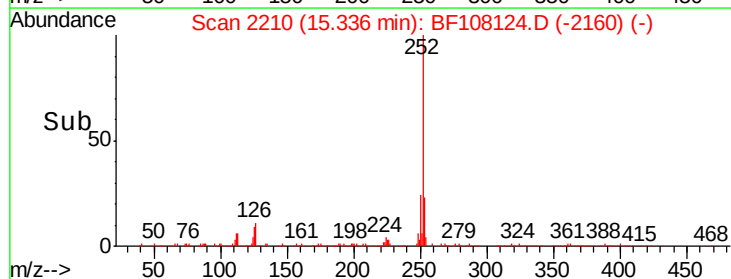
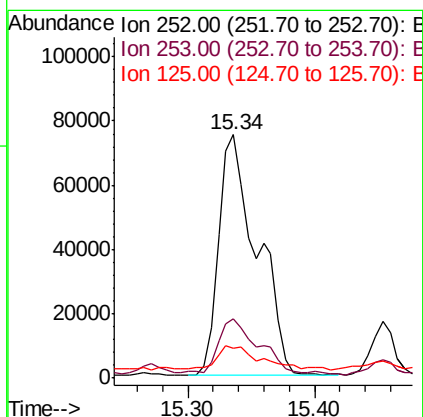
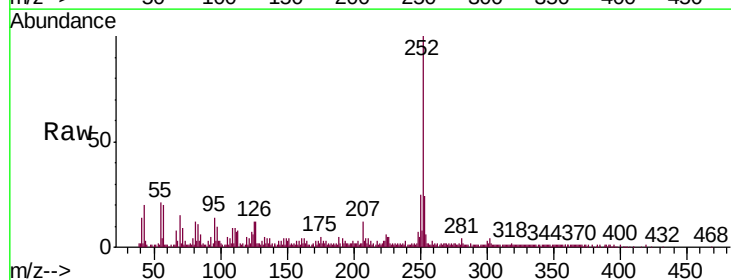
Instrument :
BNA_F
ClientSampleId :
G.L-WC-01

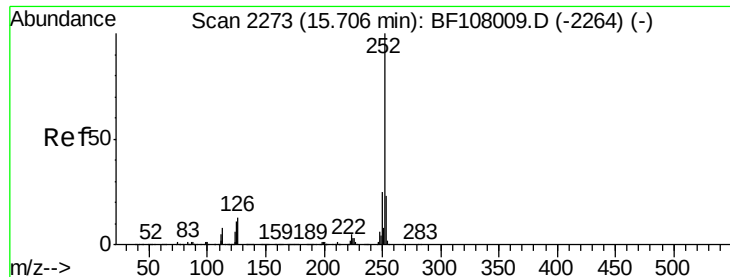
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	12.5	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 8.640 ng
RT: 15.34 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF108124.D
Acq: 13 Aug 2018 18:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	12.5	10.2	15.2





#89

Benzo(a)pyrene

Concen: 4.807 ng

RT: 15.74 min Scan# 2279

Delta R.T. 0.04 min

Lab File: BF108124.D

Acq: 13 Aug 2018 18:53

Instrument :

BNA_F

ClientSampleId :

G.L-WC-01

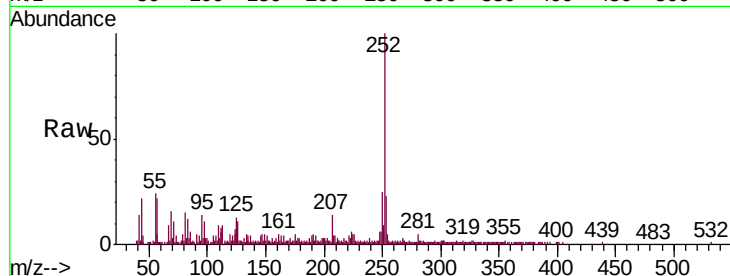
Tgt Ion:252 Resp: 85997

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

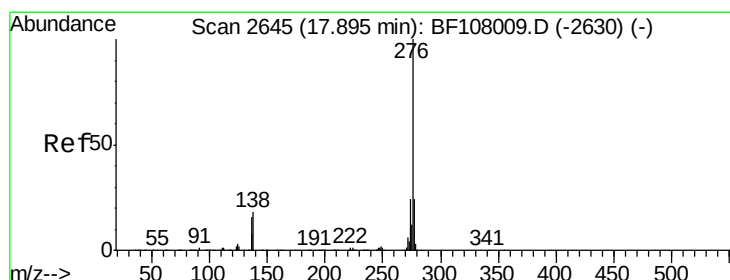
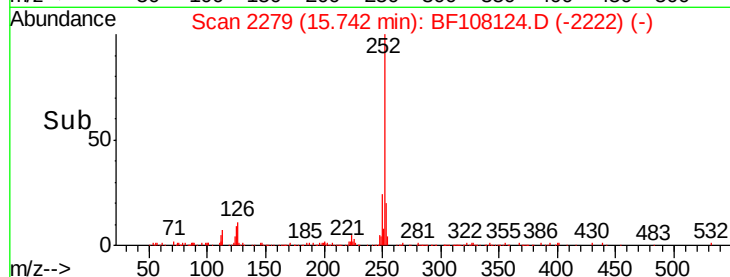
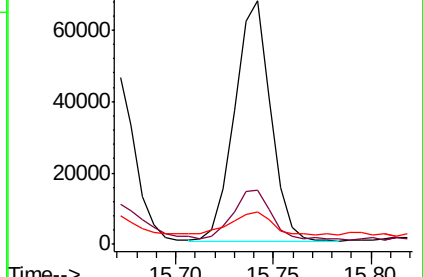
125 13.4 9.8 14.6



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: 3.013 ng

RT: 17.95 min Scan# 2655

Delta R.T. 0.06 min

Lab File: BF108124.D

Acq: 13 Aug 2018 18:53

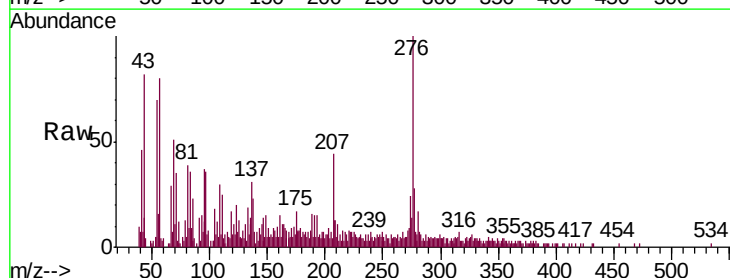
Tgt Ion:276 Resp: 43922

Ion Ratio Lower Upper

276 100

277 27.8 17.9 26.9#

138 22.8 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

