

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082318\
 Data File : BF108437.D
 Acq On : 23 Aug 2018 22:49
 Operator : JU/SJ
 Sample : J4559-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-125-051

Quant Time: Aug 24 01:06:54 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	131698	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	488929	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	209037	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	322484	20.00	ng	0.00
75) Chrysene-d12	14.21	240	233082	20.00	ng	0.00
86) Perylene-d12	15.78	264	210426	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	645674	88.76	ng	0.00
7) Phenol-d6	6.62	99	878761	90.91	ng	0.00
23) Nitrobenzene-d5	7.56	82	559831	63.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	178445	85.58	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	951268	73.06	ng	0.00
78) Terphenyl-d14	13.13	244	652724	71.20	ng	0.00

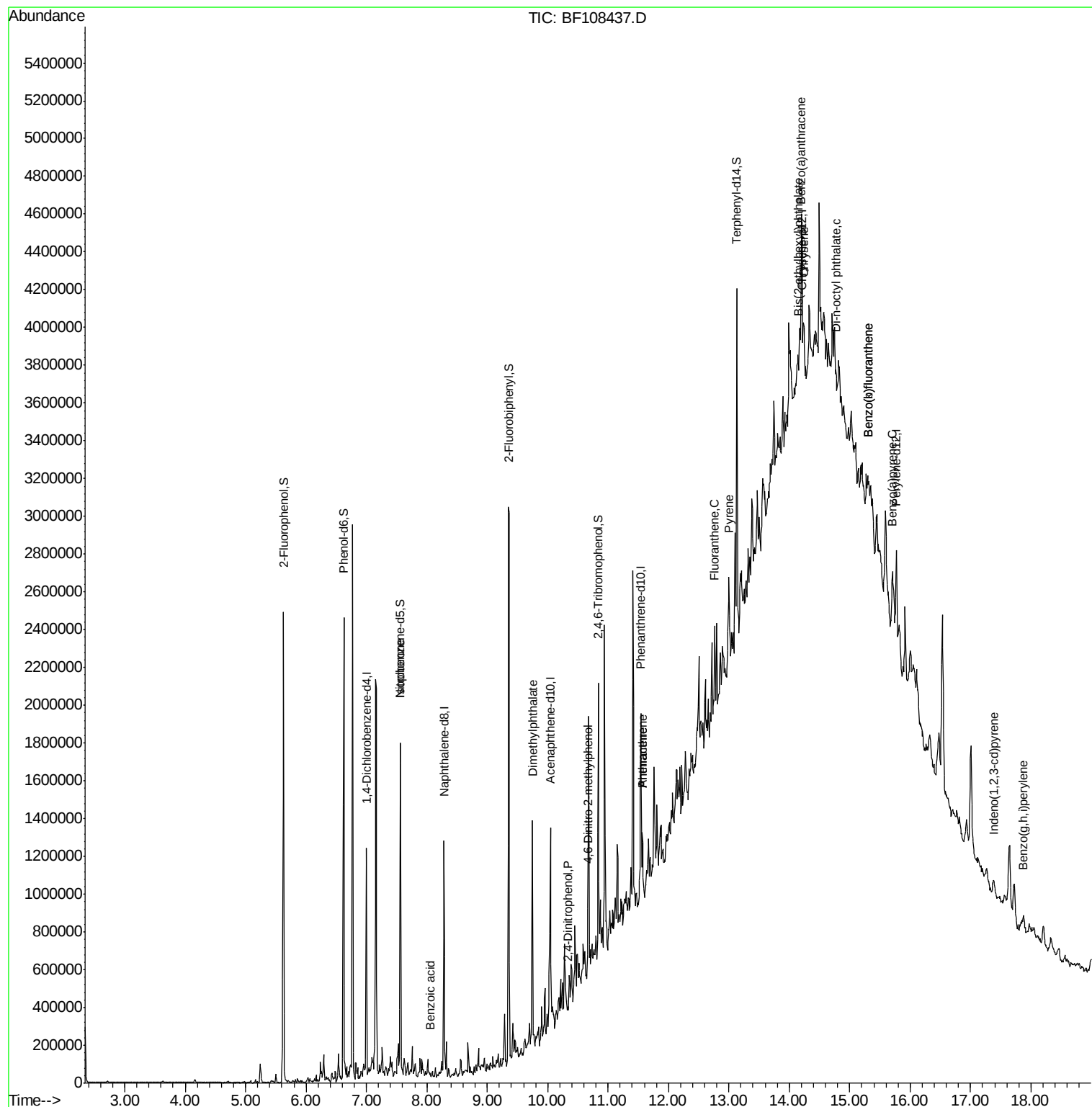
Target Compounds				Qvalue		
25) Isophorone	7.56	82	559831	33.522	ng	# 65
32) Benzoic acid	8.07	122	1176	6.214	ng	# 25
49) Dimethylphthalate	9.75	163	294879	20.251	ng	# 99
53) 2,4-Dinitrophenol	10.34	184	1092	7.894	ng	# 27
64) 4,6-Dinitro-2-methylphenol	10.66	198	256	5.546	ng	# 1
70) Phenanthrene	11.57	178	117570	7.730	ng	99
71) Anthracene	11.57	178	117570	7.542	ng	99
74) Fluoranthene	12.77	202	192776	11.613	ng	95
77) Pyrene	13.00	202	192118	13.019	ng	98
80) Benzo(a)anthracene	14.20	228	90522	6.767	ng	# 94
82) Chrysene	14.23	228	74199	6.050	ng	# 92
83) Bis(2-ethylhexyl)phthalate	14.15	149	26642	3.358	ng	# 71
84) Di-n-octyl phthalate	14.78	149	59749	4.937	ng	# 75
85) Indeno(1,2,3-cd)pyrene	17.39	276	34284	3.226	ng	# 93
87) Benzo(b)fluoranthene	15.31	252	124799	9.925	ng	# 32
88) Benzo(k)fluoranthene	15.31	252	124799	10.797	ng	# 35
89) Benzo(a)pyrene	15.71	252	60484	5.372	ng	# 48
91) Benzo(g,h,i)perylene	17.88	276	32217	3.512	ng	# 85

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

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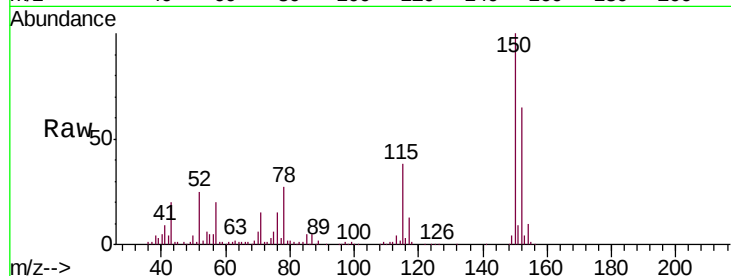


#1

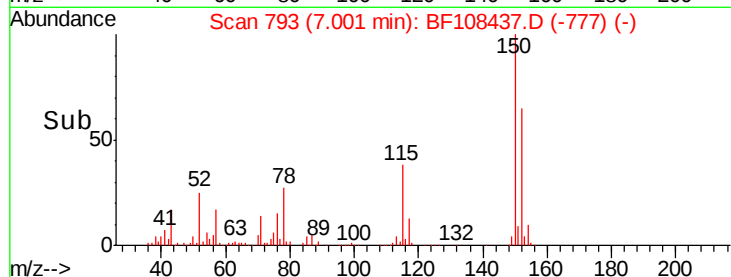
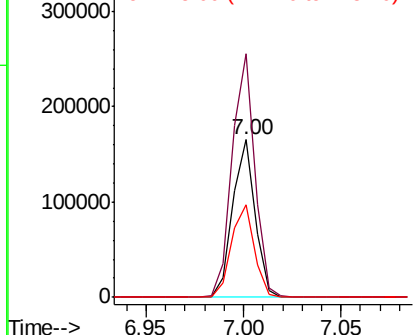
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108437.D
Acq: 23 Aug 2018 22:49

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-125-051

Tgt Ion:152 Resp: 131698
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 58.8 50.1 75.1



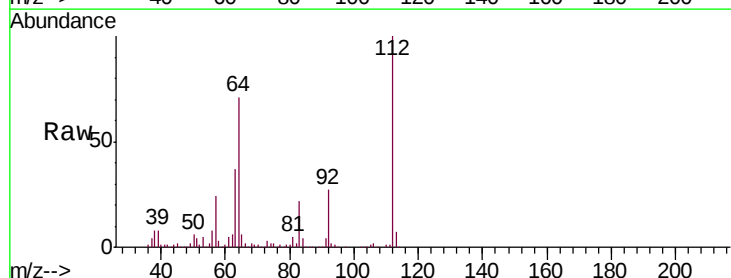
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



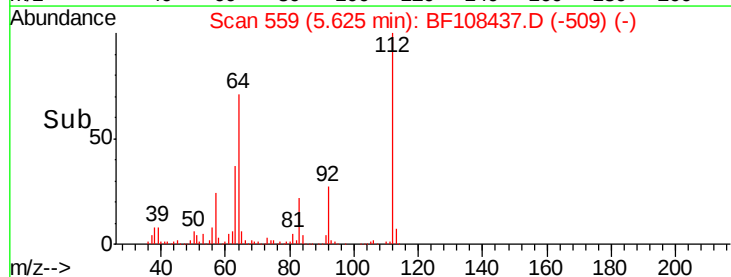
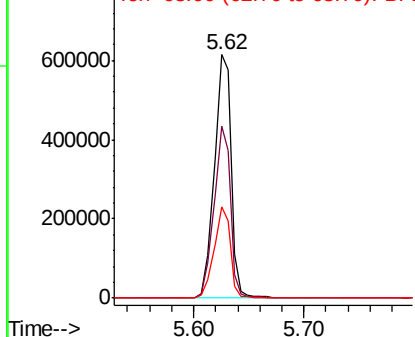
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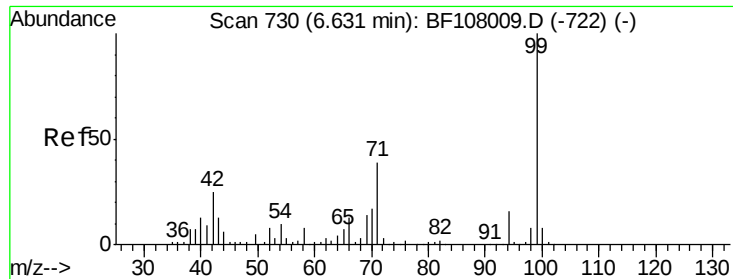
2-Fluorophenol
Concen: 88.761 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108437.D
Acq: 23 Aug 2018 22:49

Tgt Ion:112 Resp: 645674
Ion Ratio Lower Upper
112 100
64 70.7 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: 90.907 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108437.D

Acq: 23 Aug 2018 22:49

Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-125-051

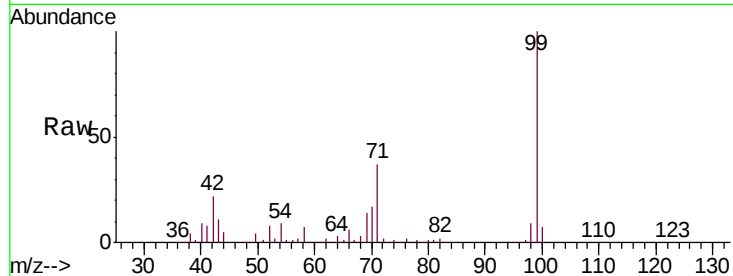
Tgt Ion: 99 Resp: 878761

Ion Ratio Lower Upper

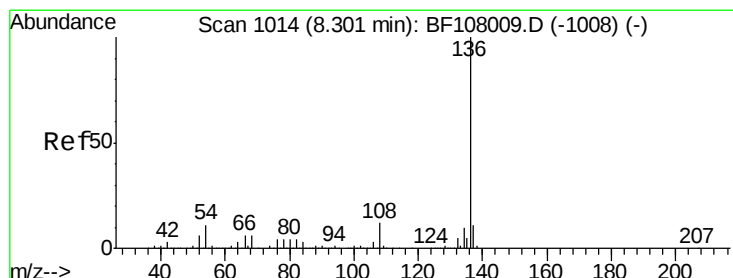
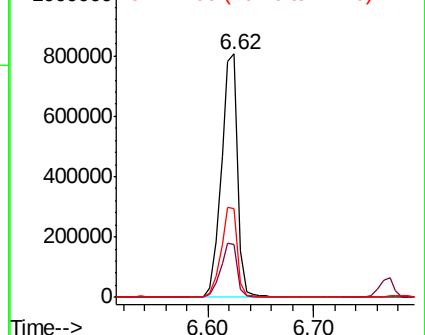
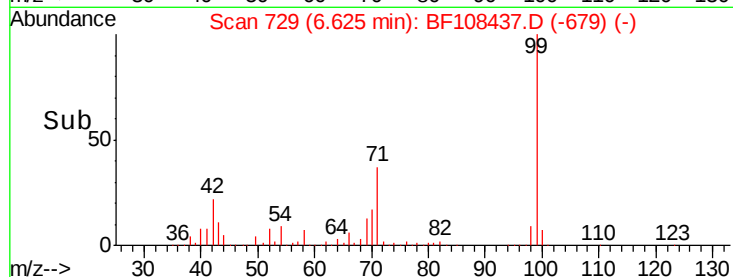
99 100

42 21.6 14.5 21.7

71 36.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108437.D

Acq: 23 Aug 2018 22:49

Tgt Ion: 136 Resp: 488929

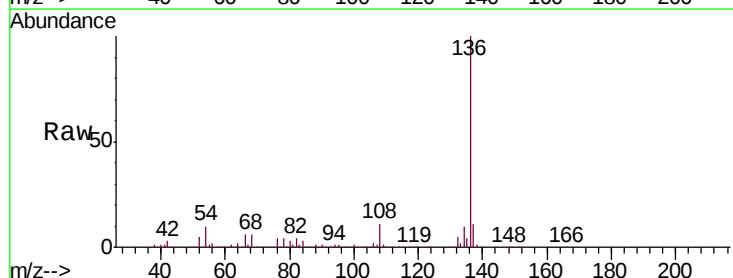
Ion Ratio Lower Upper

136 100

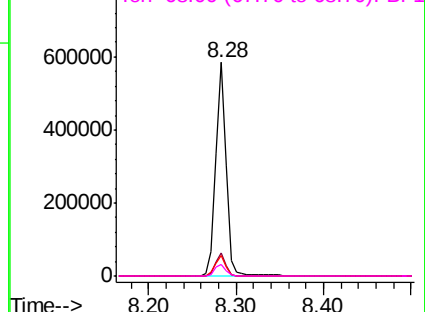
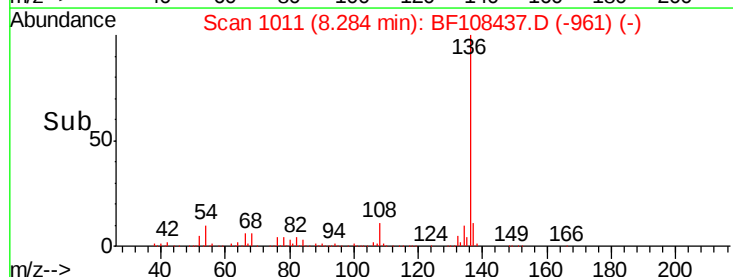
137 10.9 8.9 13.3

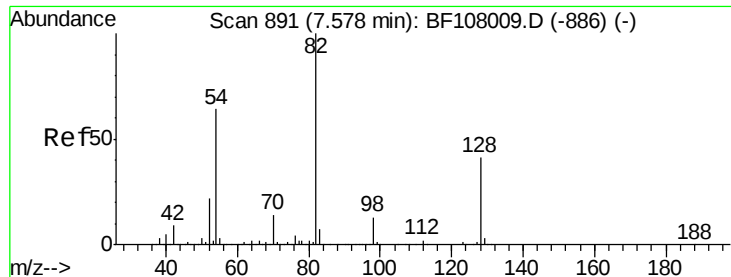
54 9.7 6.6 9.8

68 5.7 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

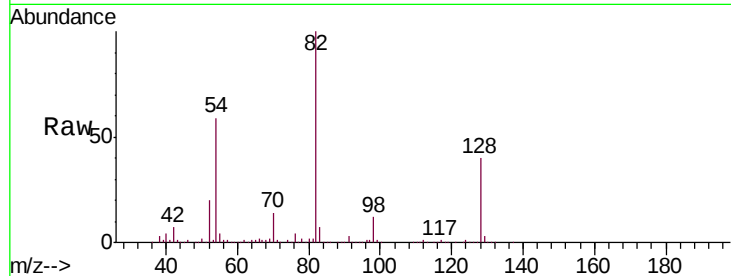




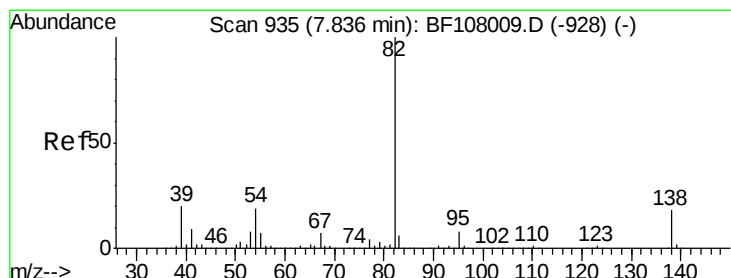
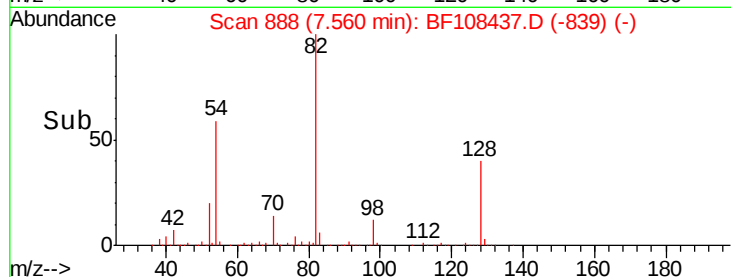
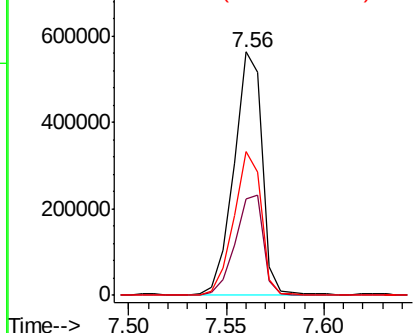
#23
 Nitrobenzene-d5
 Concen: 63.893 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108437.D
 Acq: 23 Aug 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-125-051

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.7	36.1	54.1
54	59.2	41.4	62.2

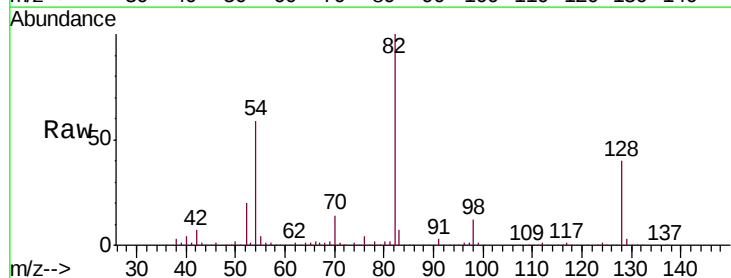


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

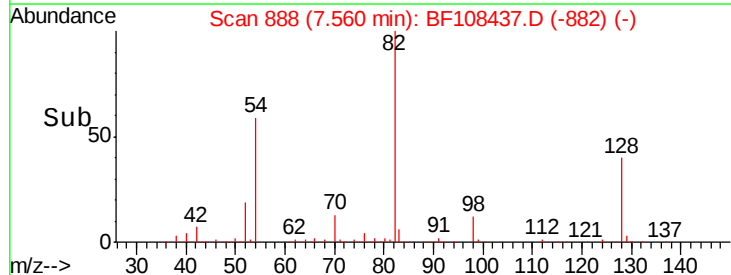
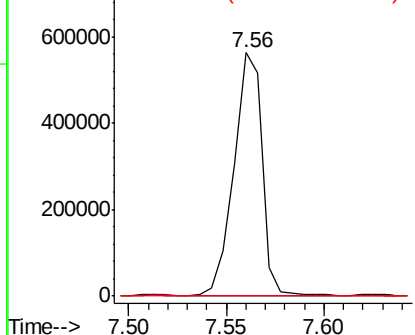


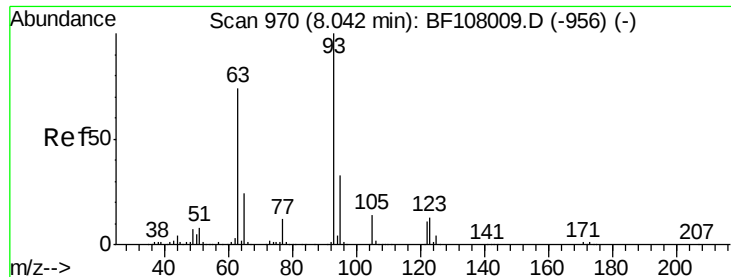
#25
 Isophorone
 Concen: 33.522 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.26 min
 Lab File: BF108437.D
 Acq: 23 Aug 2018 22:49

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.4	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

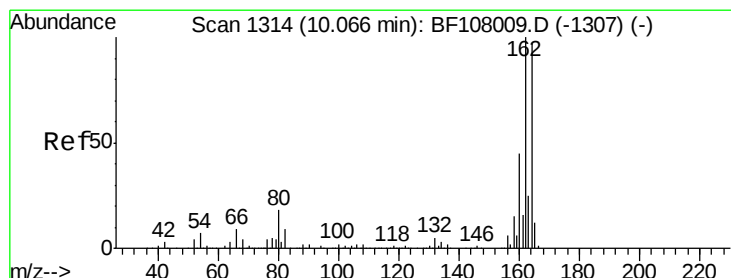
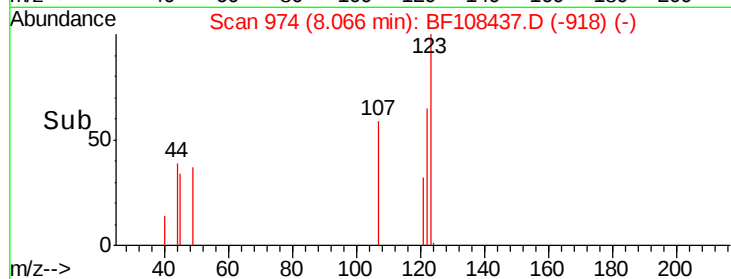
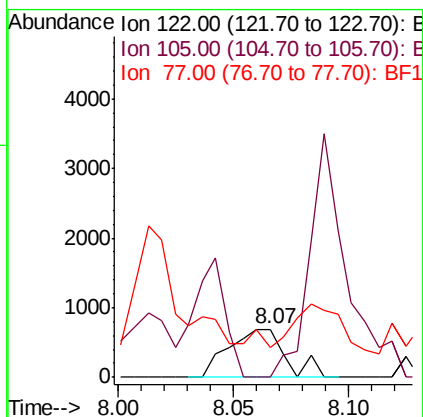
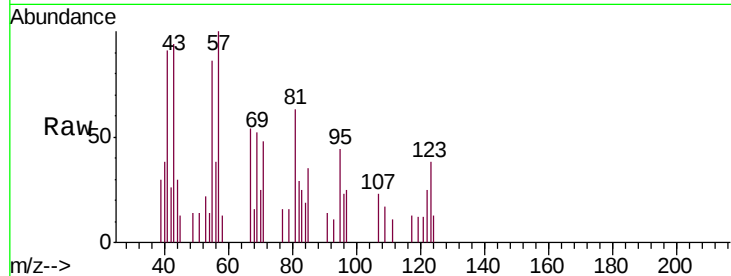




#32
Benzoic acid
Concen: 6.214 ng
RT: 8.07 min Scan# 974
Delta R.T. 0.03 min
Lab File: BF108437.D
Acq: 23 Aug 2018 22:49

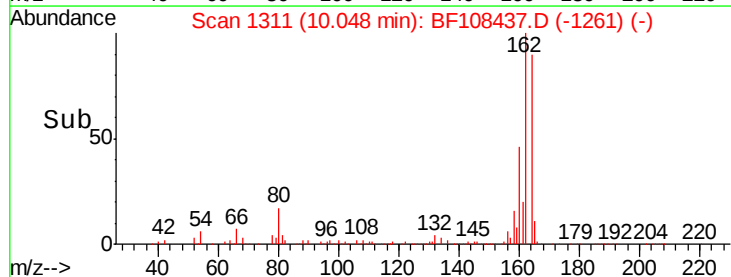
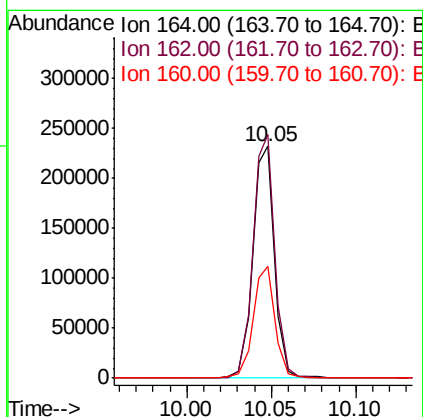
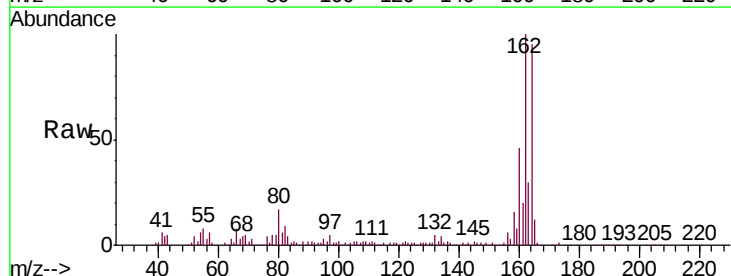
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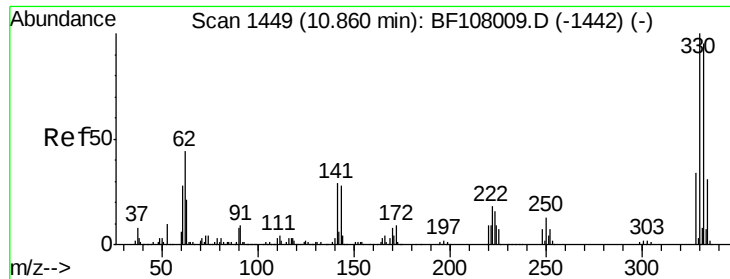
Tgt Ion:122 Resp: 1176
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 62.6 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF108437.D
Acq: 23 Aug 2018 22:49

Tgt Ion:164 Resp: 209037
Ion Ratio Lower Upper
164 100
162 105.2 86.1 129.1
160 48.3 38.3 57.5

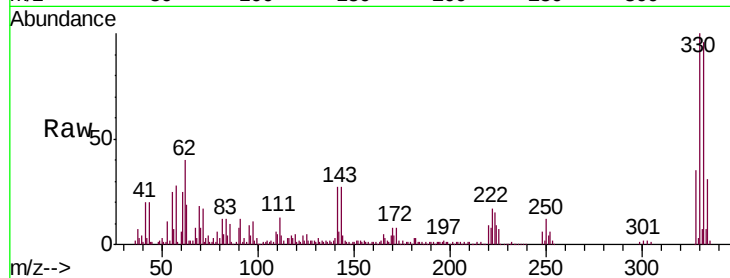




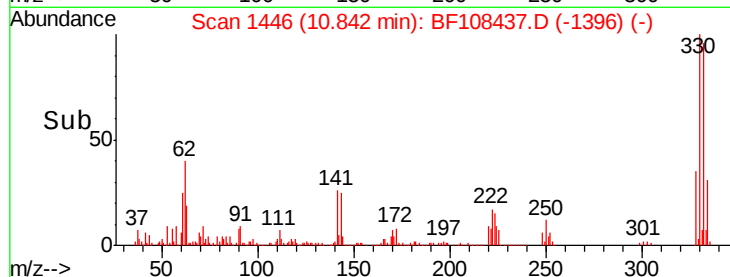
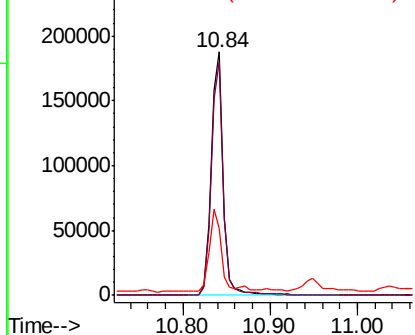
#41
 2,4,6-Tribromophenol
 Concen: 85.581 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108437.D
 Acq: 23 Aug 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-125-051

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	32.8	29.9	44.9

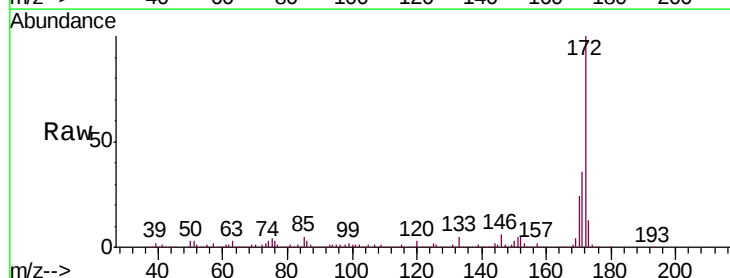


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

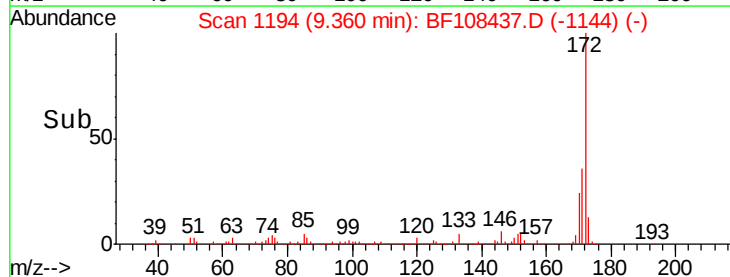
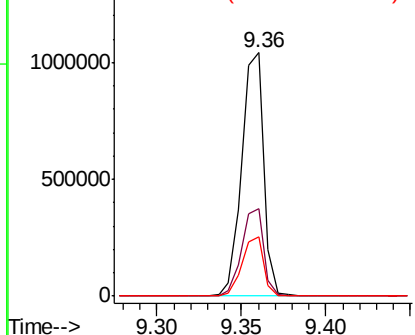


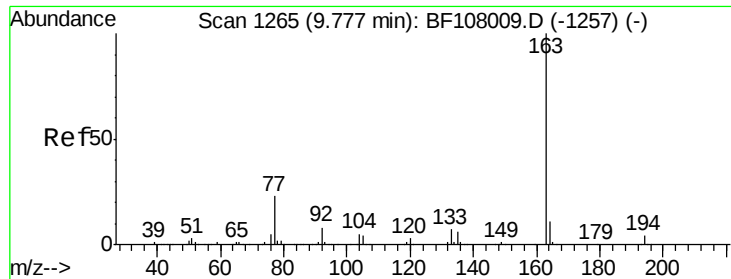
#44
 2-Fluorobiphenyl
 Concen: 73.060 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108437.D
 Acq: 23 Aug 2018 22:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	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

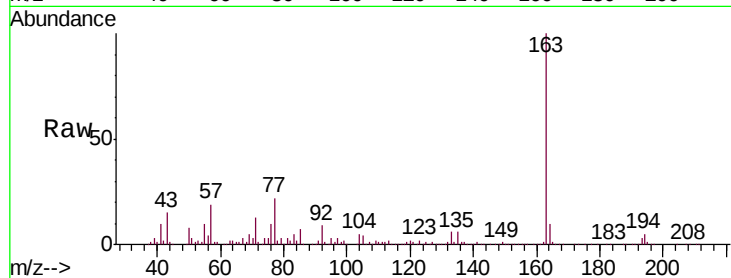




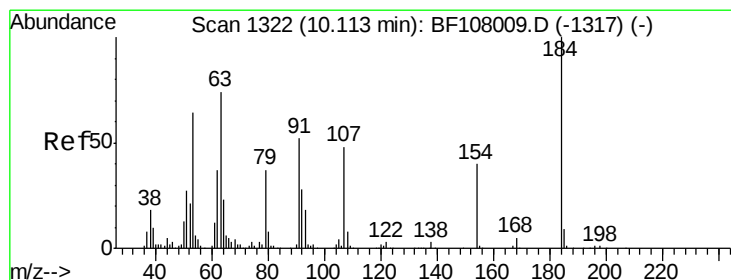
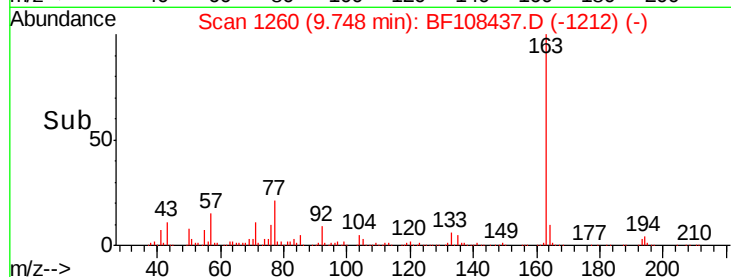
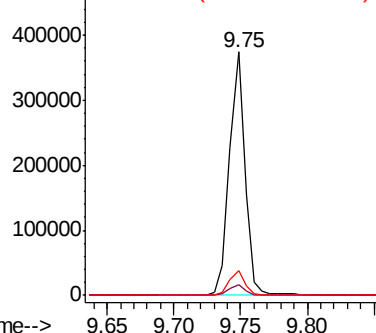
#49
Dimethylphthalate
Concen: 20.251 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108437.D
Acq: 23 Aug 2018 22:49

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-125-051

Tgt Ion:163 Resp: 294879
Ion Ratio Lower Upper
163 100
194 4.6 2.7 4.1#
164 9.9 8.2 12.2

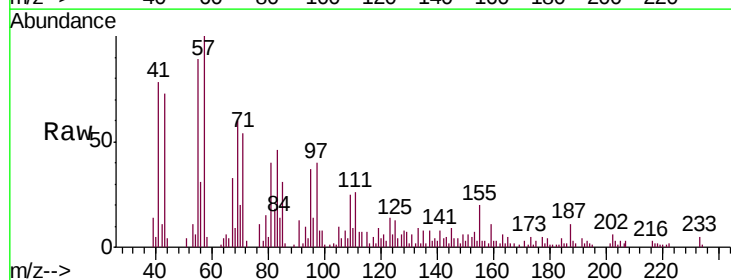


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

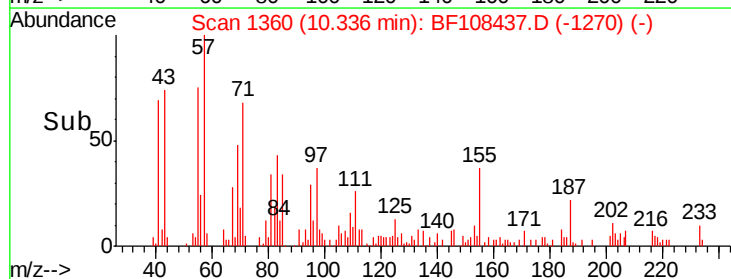
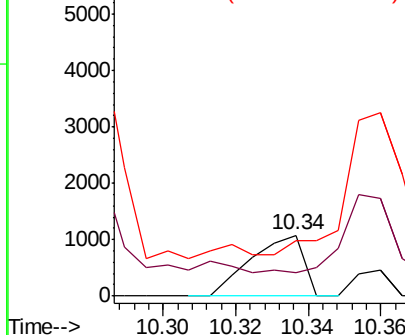


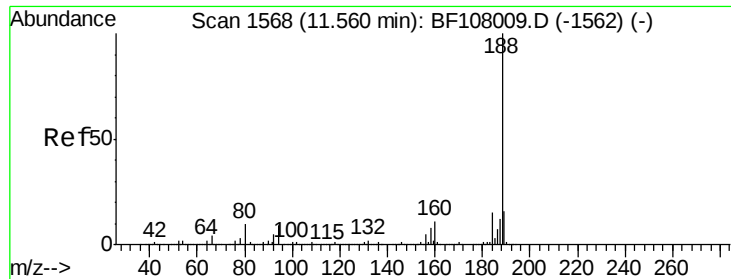
#53
2,4-Dinitrophenol
Concen: 7.894 ng
RT: 10.34 min Scan# 1360
Delta R.T. 0.23 min
Lab File: BF108437.D
Acq: 23 Aug 2018 22:49

Tgt Ion:184 Resp: 1092
Ion Ratio Lower Upper
184 100
63 38.0 54.2 81.2#
154 91.3 184.0 276.0#



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

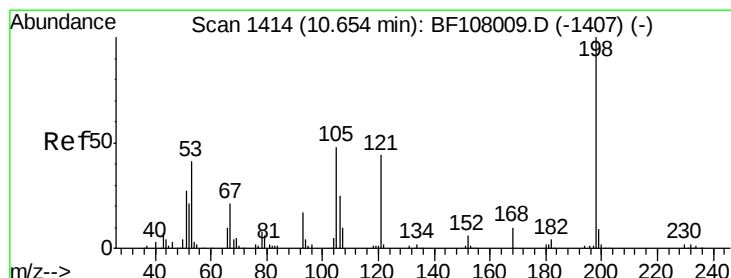
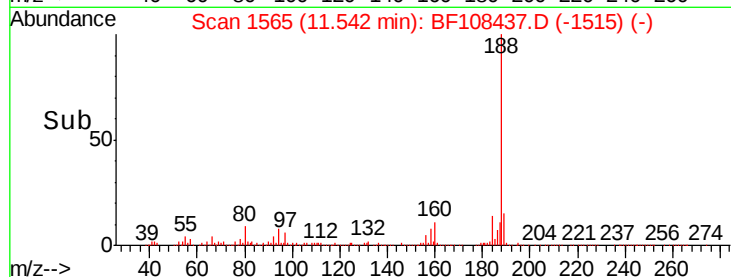
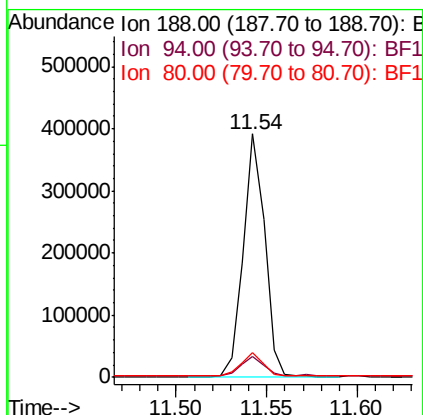
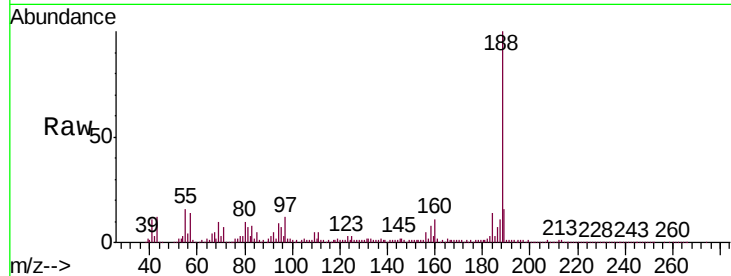




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108437.D
Acq: 23 Aug 2018 22:49

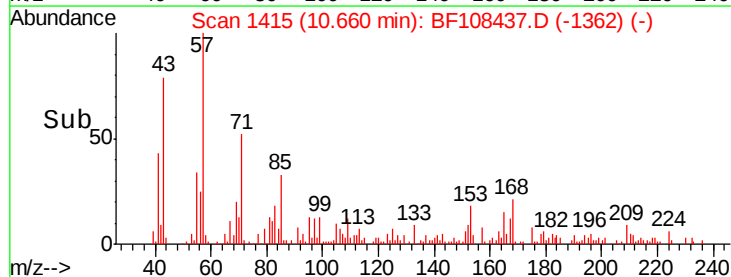
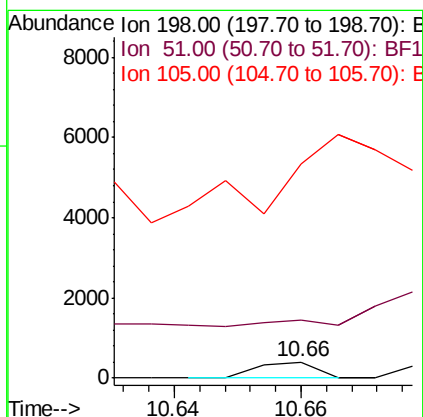
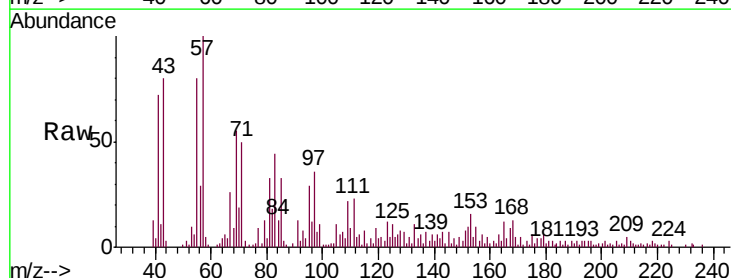
Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-125-051

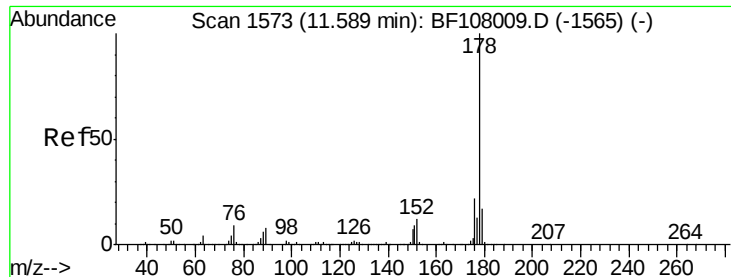
Tgt Ion:188 Resp: 322484
Ion Ratio Lower Upper
188 100
94 8.6 8.5 12.7
80 10.2 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.546 ng
RT: 10.66 min Scan# 1415
Delta R.T. 0.01 min
Lab File: BF108437.D
Acq: 23 Aug 2018 22:49

Tgt Ion:198 Resp: 256
Ion Ratio Lower Upper
198 100
51 364.9 37.7 77.7#
105 1350.8 36.3 76.3#





#70

Phenanthrene

Concen: 7.730 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF108437.D

Acq: 23 Aug 2018 22:49

Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-125-051

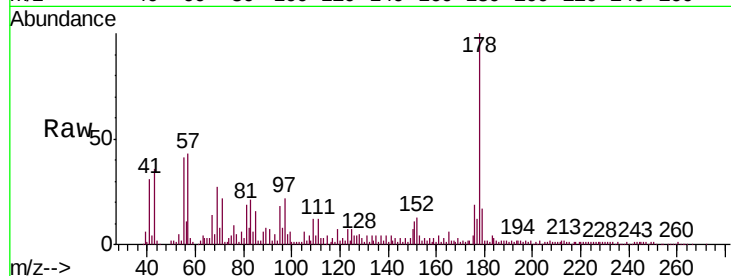
Tgt Ion:178 Resp: 117570

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

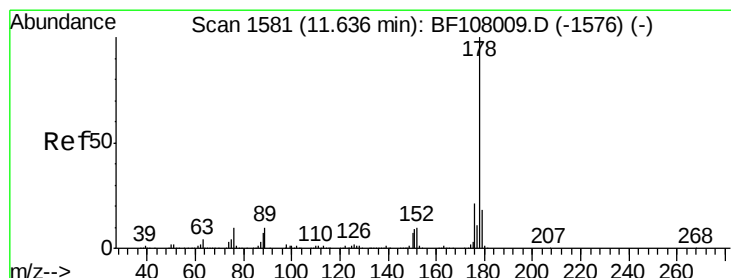
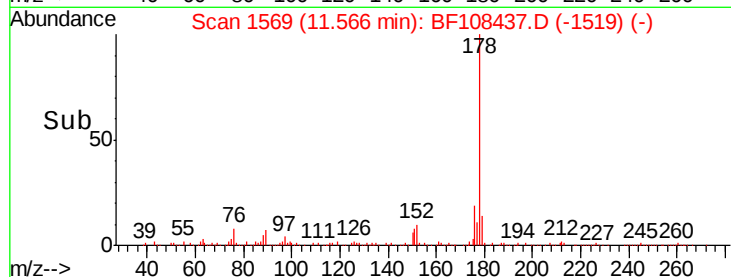
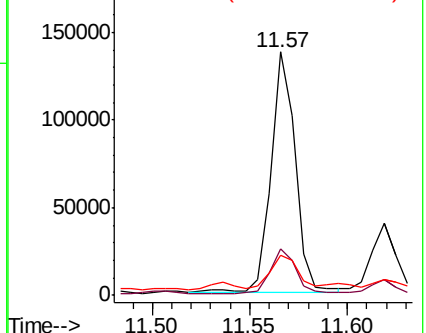
179 16.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 7.542 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.06 min

Lab File: BF108437.D

Acq: 23 Aug 2018 22:49

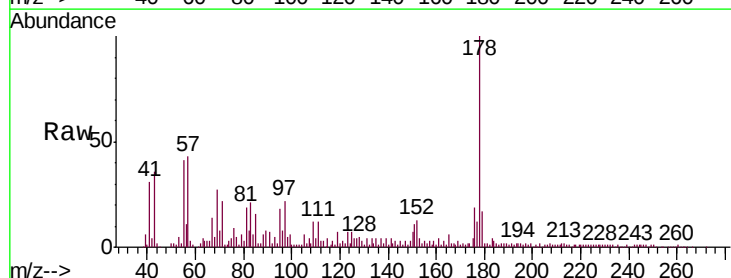
Tgt Ion:178 Resp: 117570

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

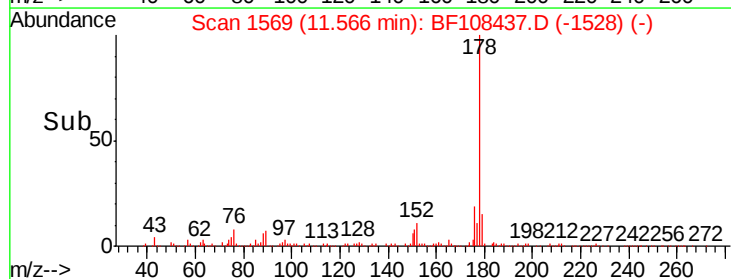
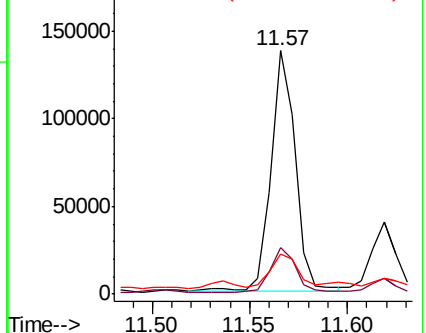
179 16.7 12.6 19.0

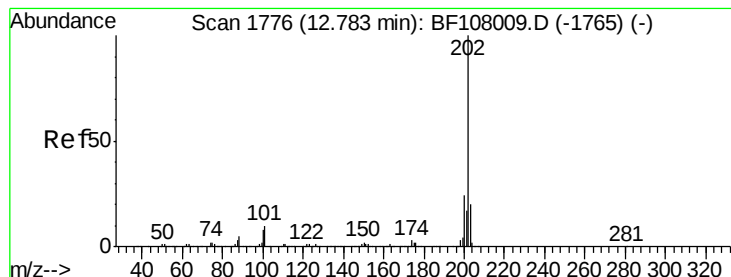


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 11.613 ng

RT: 12.77 min Scan# 1773

Delta R.T. 0.00 min

Lab File: BF108437.D

Acq: 23 Aug 2018 22:49

Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-125-051

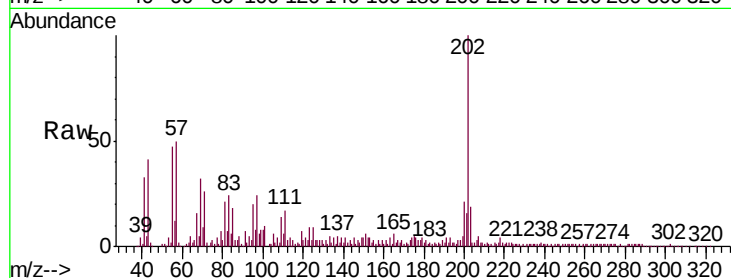
Tgt Ion: 202 Resp: 192776

Ion Ratio Lower Upper

202 100

101 10.4 0.0 34.1

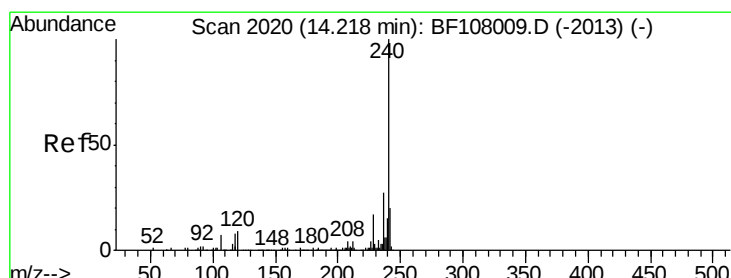
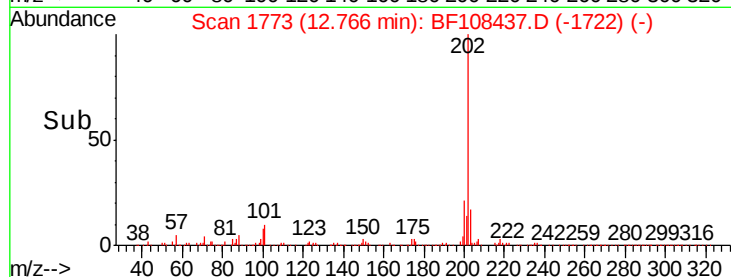
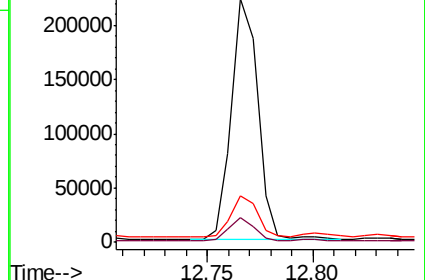
203 19.1 0.0 38.1



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: 14.21 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF108437.D

Acq: 23 Aug 2018 22:49

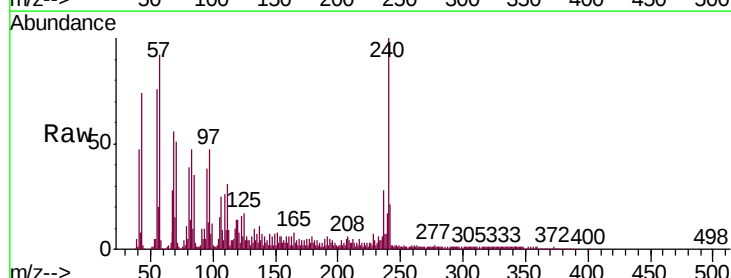
Tgt Ion: 240 Resp: 233082

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

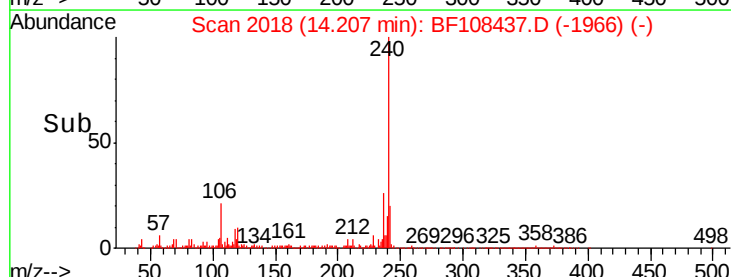
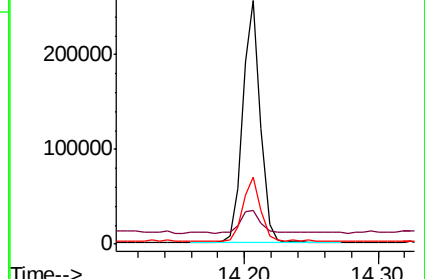
236 27.5 20.7 31.1

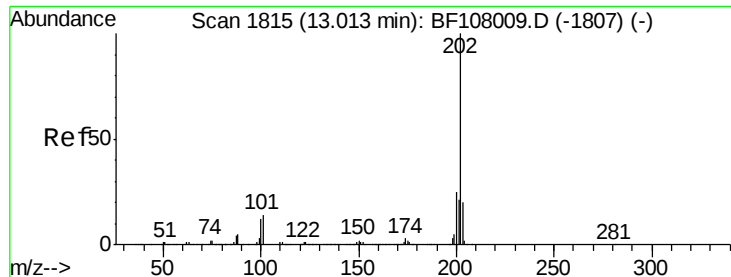


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

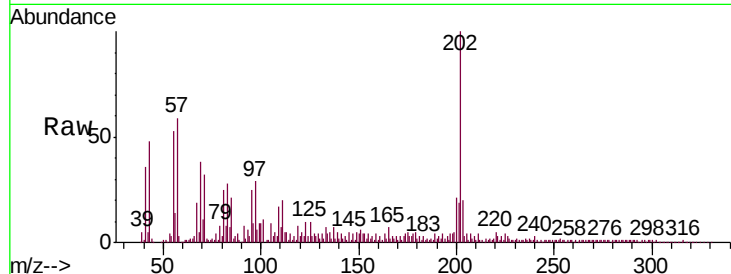




#77
 Pyrene
 Concen: 13.019 ng
 RT: 13.00 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: BF108437.D
 Acq: 23 Aug 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-125-051

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	19.7	14.3	21.5

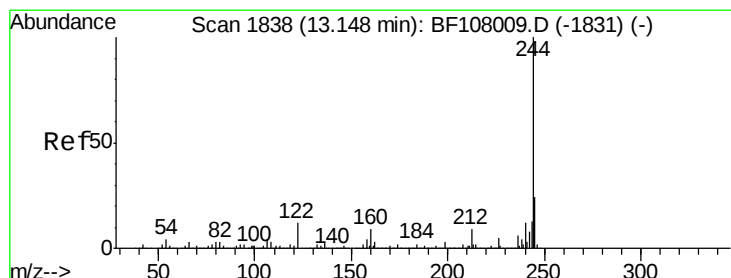
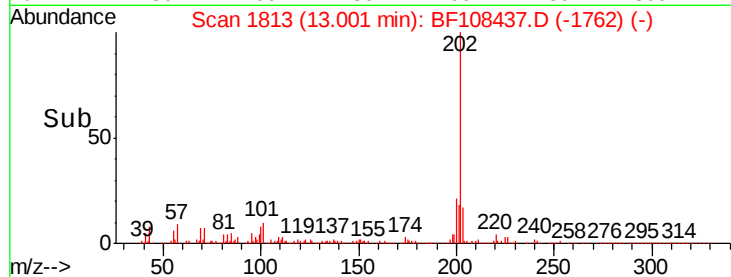
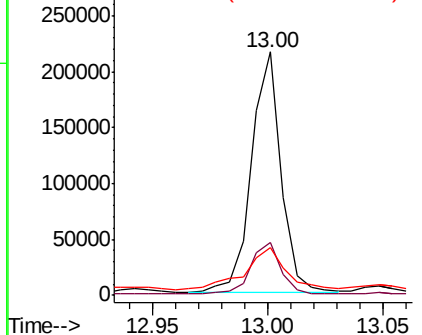


Abundance

Ion 202.00 (201.70 to 202.70): E

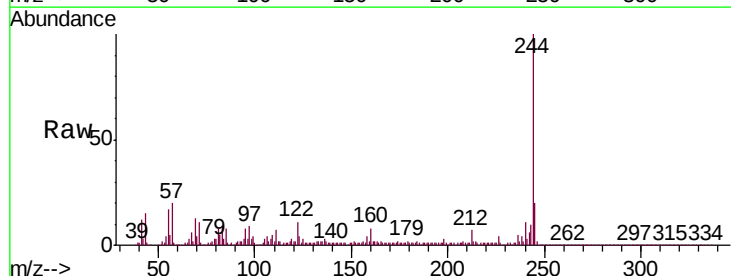
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
 Terphenyl-d14
 Concen: 71.202 ng
 RT: 13.13 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: BF108437.D
 Acq: 23 Aug 2018 22:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	10.8	11.0	16.4

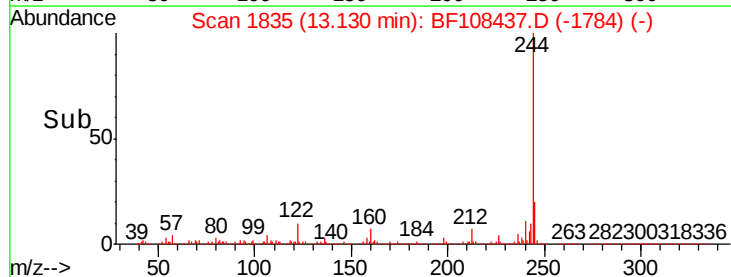
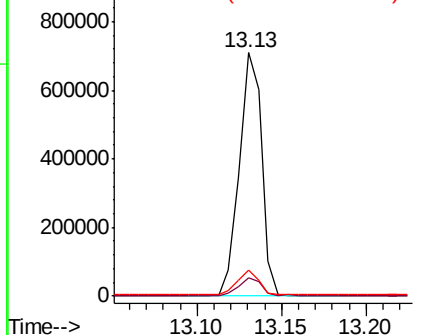


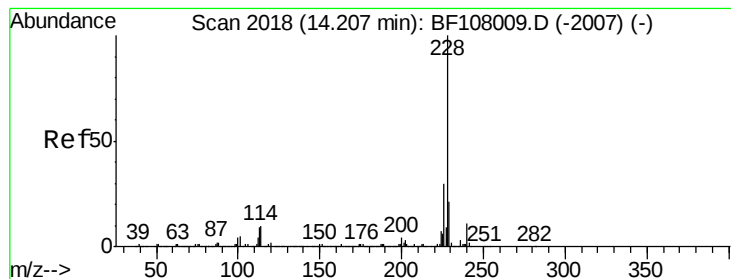
Abundance

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: 6.767 ng

RT: 14.20 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF108437.D

Acq: 23 Aug 2018 22:49

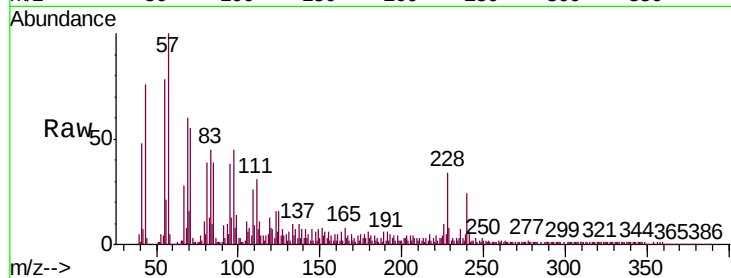
Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-125-051

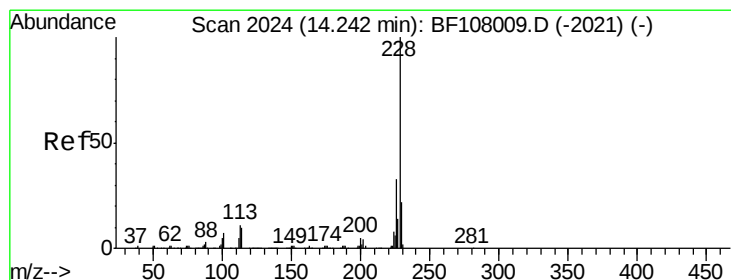
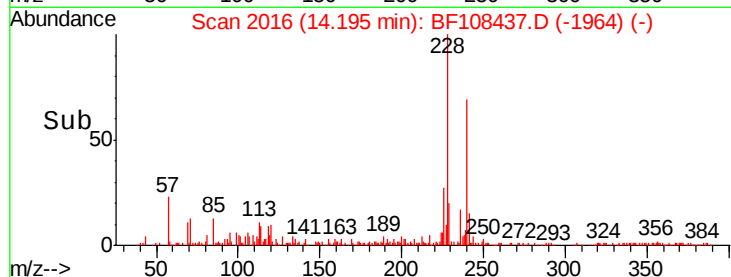
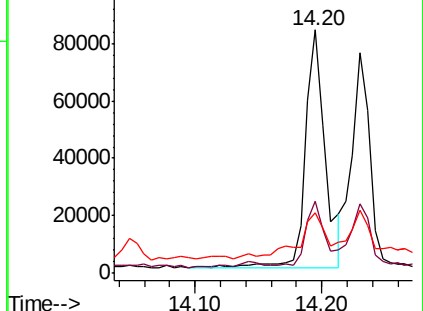
Tgt Ion:	228	Resp:	90522
Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	24.8	15.8	23.6#



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: 6.050 ng

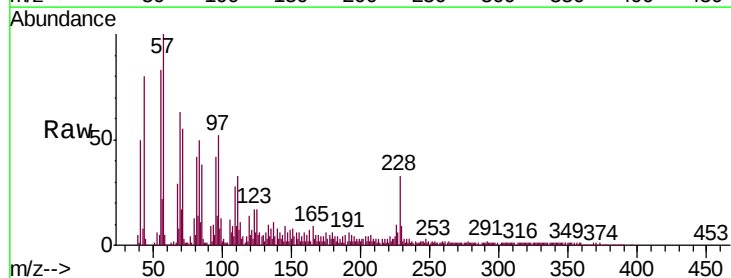
RT: 14.23 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF108437.D

Acq: 23 Aug 2018 22:49

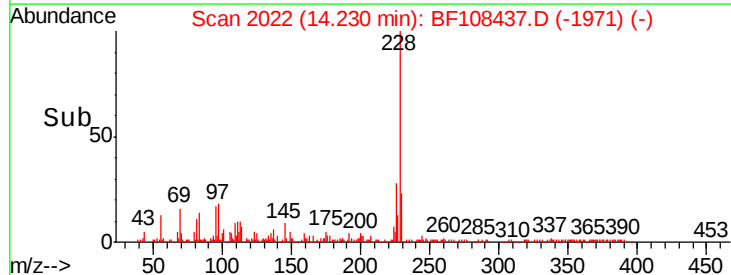
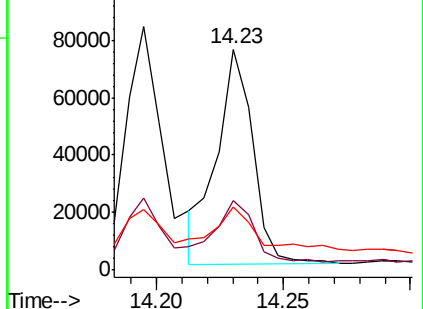
Tgt Ion:	228	Resp:	74199
Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	28.7	16.2	24.4#

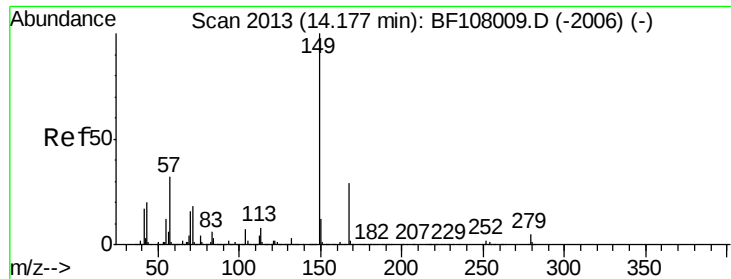


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

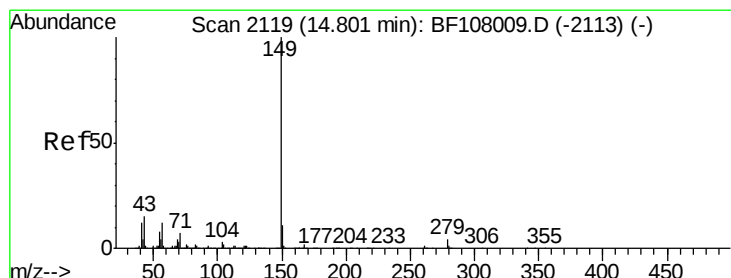
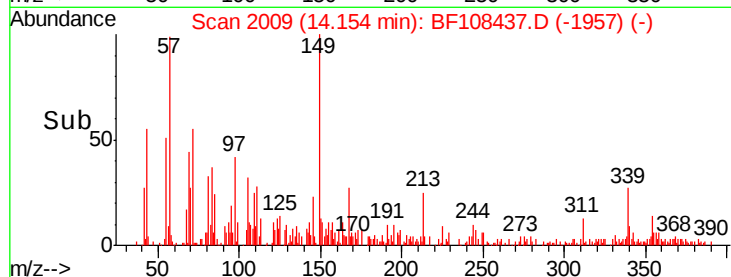
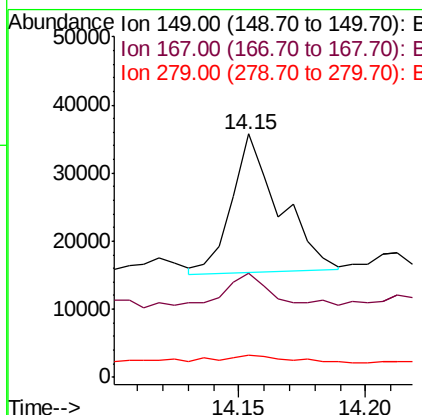
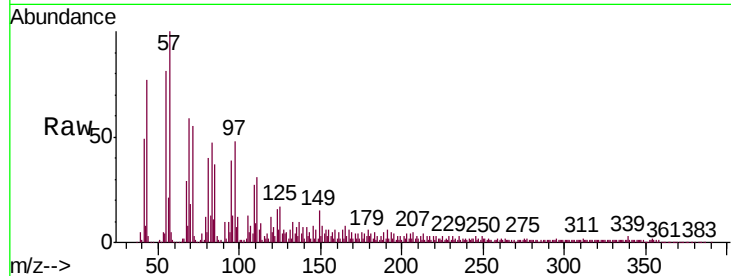




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.358 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. 0.01 min
 Lab File: BF108437.D
 Acq: 23 Aug 2018 22:49

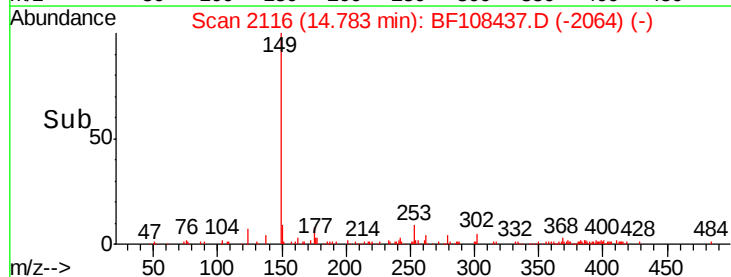
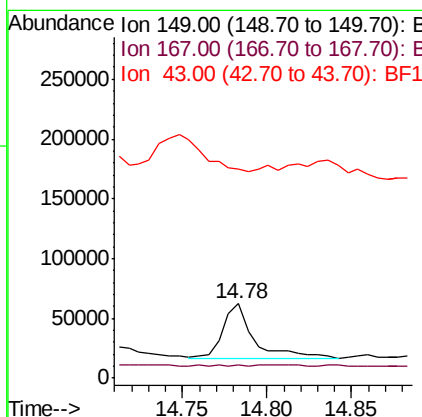
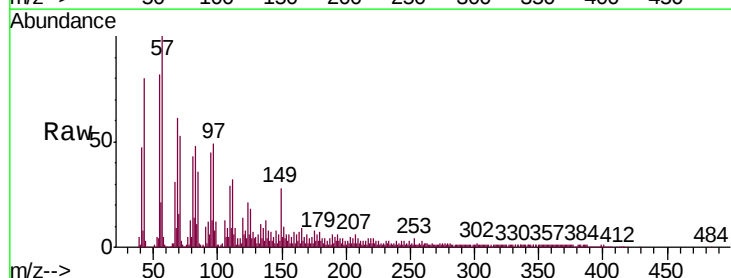
Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-125-051

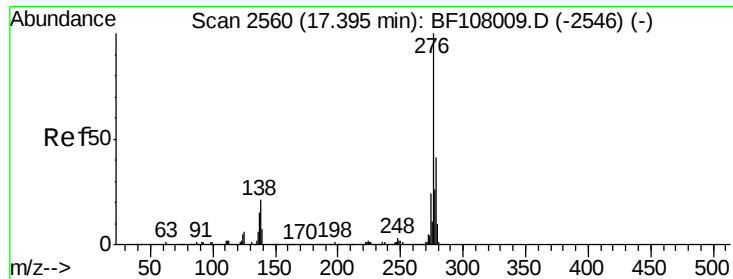
Tgt Ion:149 Resp: 26642
 Ion Ratio Lower Upper
 149 100
 167 42.6 21.3 31.9#
 279 9.1 3.0 4.4#



#84
 Di-n-octyl phthalate
 Concen: 4.937 ng
 RT: 14.78 min Scan# 2116
 Delta R.T. 0.01 min
 Lab File: BF108437.D
 Acq: 23 Aug 2018 22:49

Tgt Ion:149 Resp: 59749
 Ion Ratio Lower Upper
 149 100
 167 3.2 1.2 1.8#
 43 0.0 8.4 12.6#





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.226 ng

RT: 17.39 min Scan# 2559

Delta R.T. 0.02 min

Lab File: BF108437.D

Acq: 23 Aug 2018 22:49

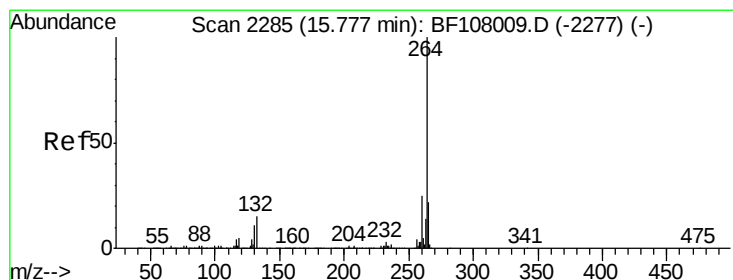
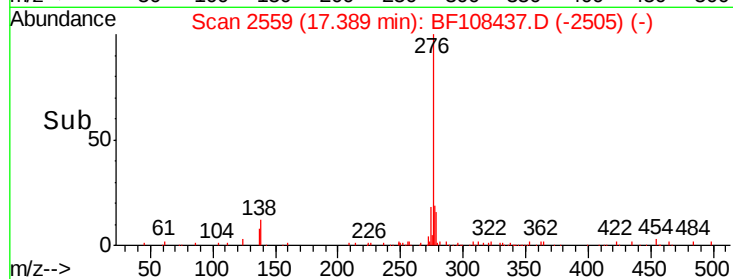
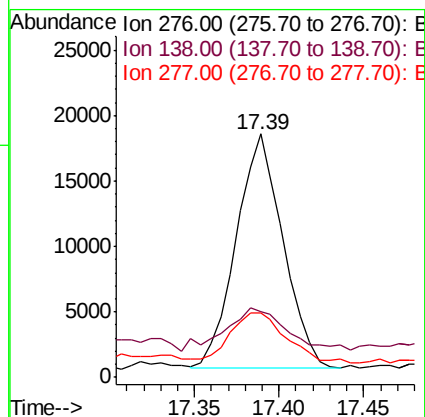
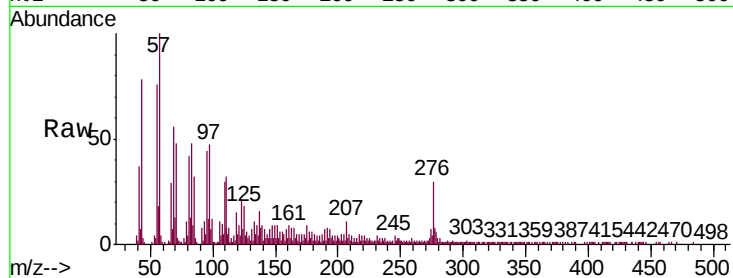
Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-125-051

Tgt Ion:	276	Resp:	34284
Ion Ratio	Lower	Upper	
276	100		
138	24.7	25.0	37.6#
277	26.0	20.1	30.1



#86

Perylene-d12

Concen: 20.000 ng

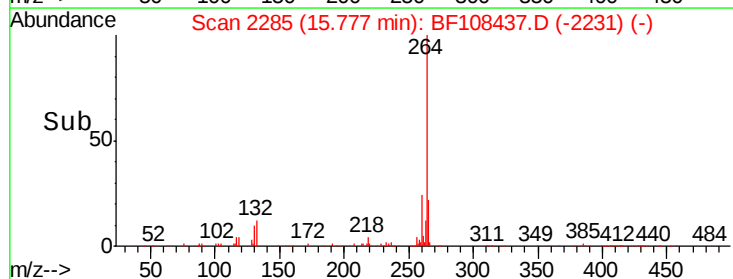
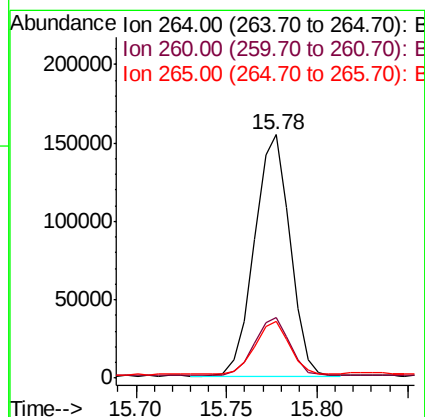
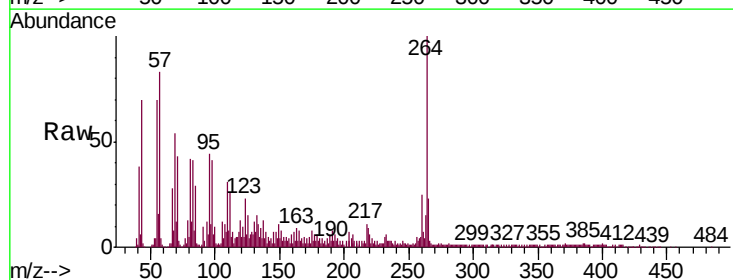
RT: 15.78 min Scan# 2285

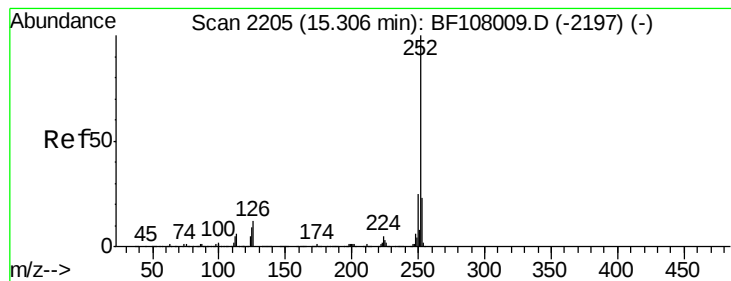
Delta R.T. 0.02 min

Lab File: BF108437.D

Acq: 23 Aug 2018 22:49

Tgt Ion:	264	Resp:	210426
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.2	28.8
265	23.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 9.925 ng

RT: 15.31 min Scan# 2205

Delta R.T. 0.02 min

Lab File: BF108437.D

Acq: 23 Aug 2018 22:49

Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-125-051

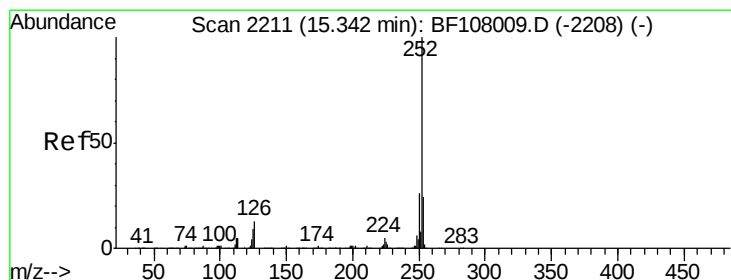
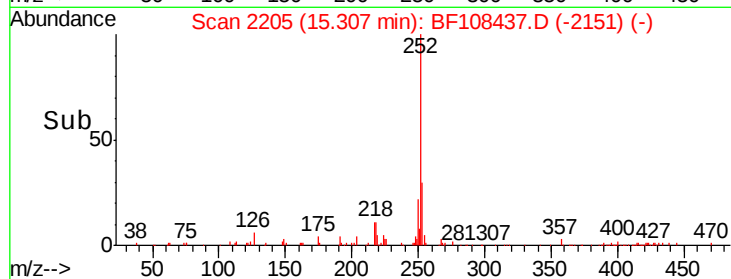
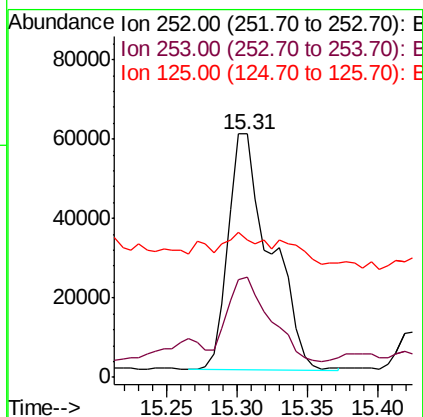
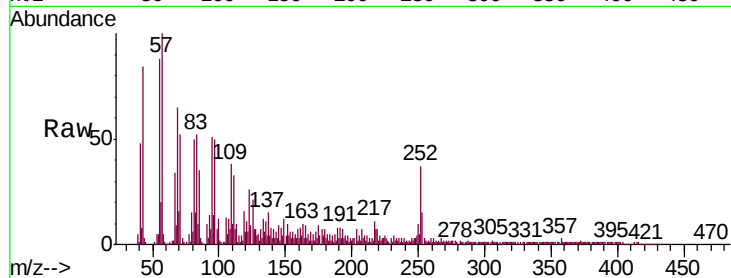
Tgt Ion:252 Resp: 124799

Ion Ratio Lower Upper

252 100

253 41.1 17.0 25.6#

125 56.3 9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 10.797 ng

RT: 15.31 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF108437.D

Acq: 23 Aug 2018 22:49

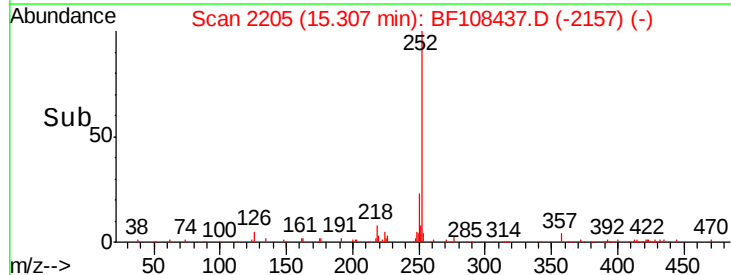
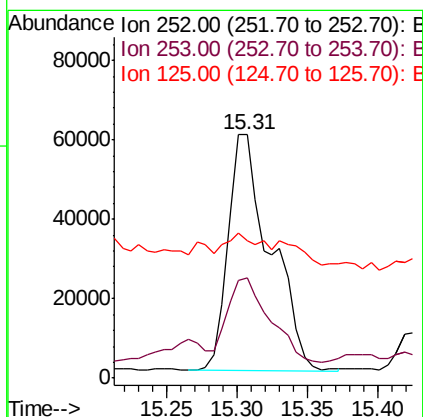
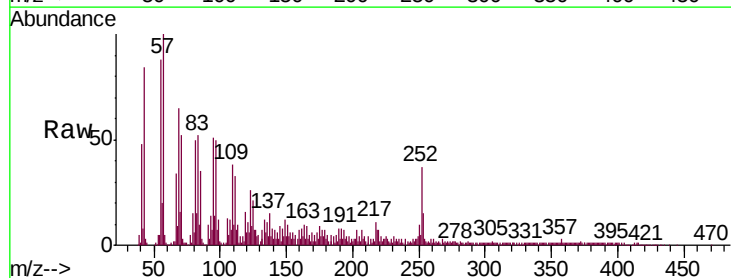
Tgt Ion:252 Resp: 124799

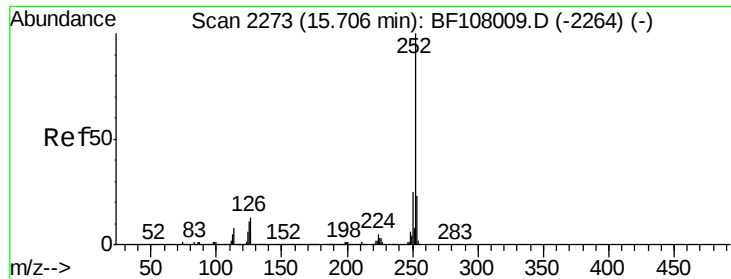
Ion Ratio Lower Upper

252 100

253 41.1 17.9 26.9#

125 56.3 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 5.372 ng

RT: 15.71 min Scan# 2273

Delta R.T. 0.02 min

Lab File: BF108437.D

Acq: 23 Aug 2018 22:49

Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-125-051

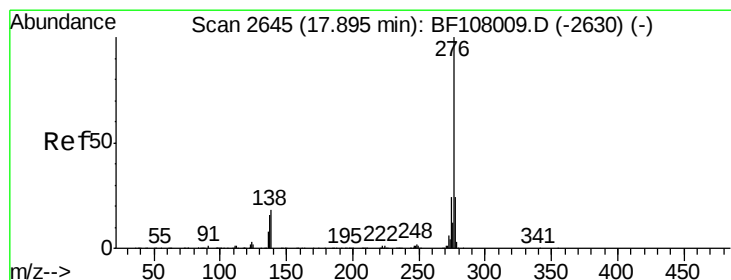
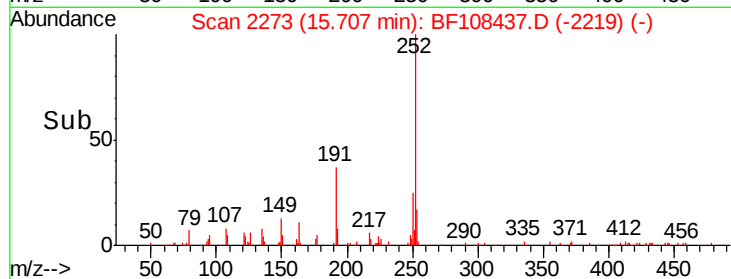
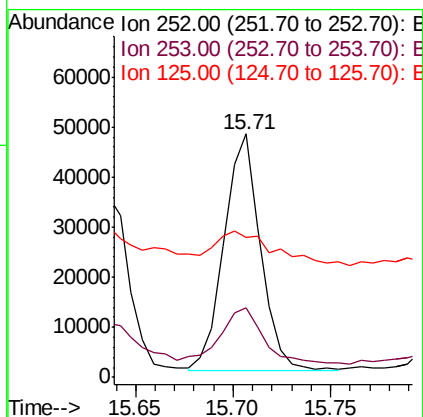
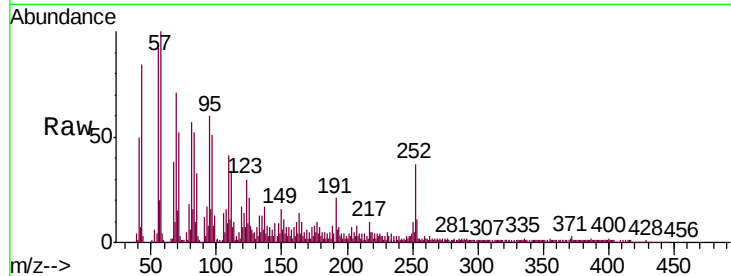
Tgt Ion:252 Resp: 60484

Ion Ratio Lower Upper

252 100

253 28.5 17.1 25.7#

125 57.4 9.8 14.6#



#91

Benzo(g,h,i)perylene

Concen: 3.512 ng

RT: 17.88 min Scan# 2643

Delta R.T. 0.02 min

Lab File: BF108437.D

Acq: 23 Aug 2018 22:49

Tgt Ion:276 Resp: 32217

Ion Ratio Lower Upper

276 100

277 29.6 17.9 26.9#

138 34.8 21.8 32.8#

