

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082118\
 Data File : BF108359.D
 Acq On : 22 Aug 2018 1:15
 Operator : JU/SJ
 Sample : J4275-13 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-C

Quant Time: Aug 22 01:42:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

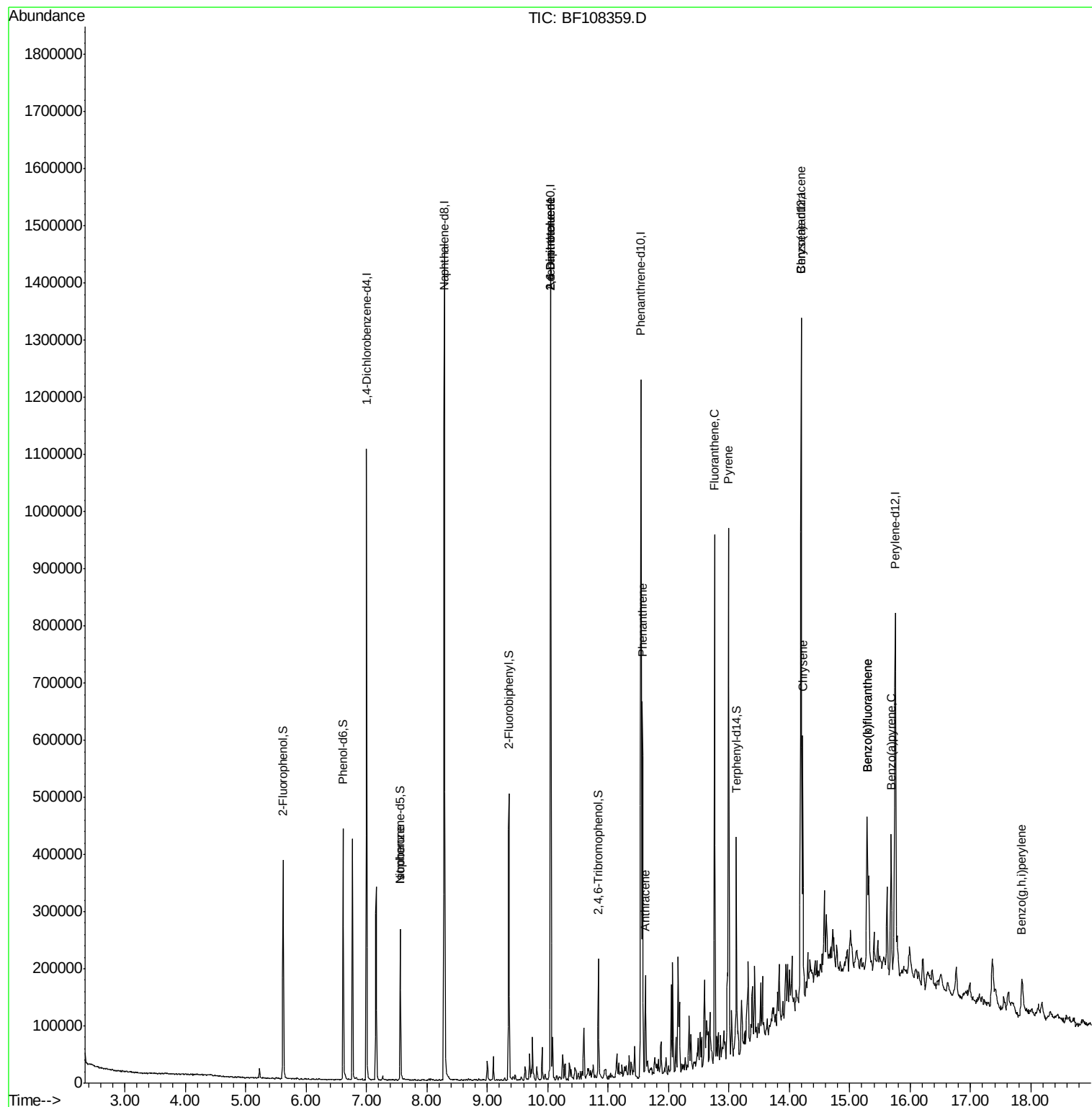
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	166366	20.00	ng	-0.01
21) Naphthalene-d8	8.29	136	624726	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	279653	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	456526	20.00	ng	-0.02
75) Chrysene-d12	14.20	240	371501	20.00	ng	-0.02
86) Perylene-d12	15.75	264	312574	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	94750	10.31	ng	-0.01
7) Phenol-d6	6.61	99	127542	10.44	ng	-0.02
23) Nitrobenzene-d5	7.56	82	78096	6.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	23407	8.39	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	156993	9.01	ng	-0.02
78) Terphenyl-d14	13.12	244	118509	8.11	ng	-0.02
Target Compounds						
25) Isophorone	7.56	82	78095	3.660	ng	# 64
50) 2,6-Dinitrotoluene	10.05	165	36867	9.046	ng	# 25
56) 2,4-Dinitrotoluene	10.05	165	36867	7.027	ng	# 23
70) Phenanthrene	11.57	178	234268	10.880	ng	99
71) Anthracene	11.62	178	66999	3.036	ng	96
74) Fluoranthene	12.77	202	356376	15.165	ng	94
77) Pyrene	13.00	202	354567	15.075	ng	99
80) Benzo(a)anthracene	14.19	228	180062	8.446	ng	97
82) Chrysene	14.22	228	164777	8.430	ng	99
87) Benzo(b)fluoranthene	15.29	252	218078	11.676	ng	96
88) Benzo(k)fluoranthene	15.29	252	218078	12.702	ng	96
89) Benzo(a)pyrene	15.68	252	116084	6.941	ng	97
91) Benzo(g,h,i)perylene	17.85	276	50996	3.742	ng	# 90

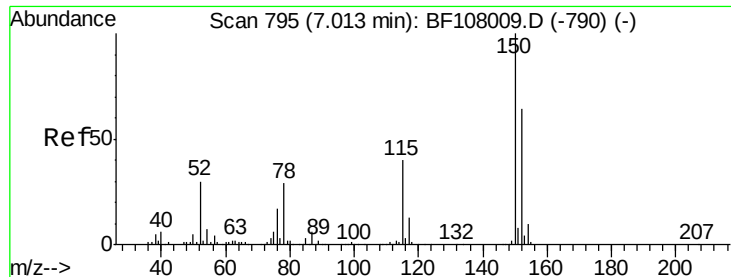
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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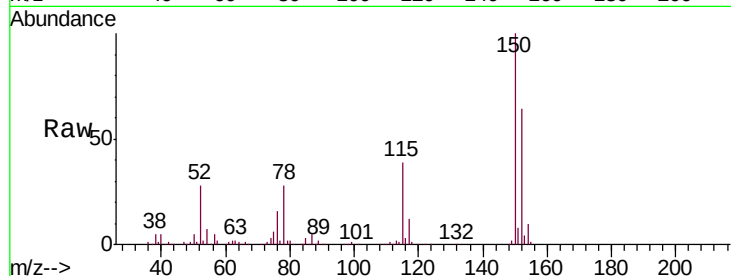


#1

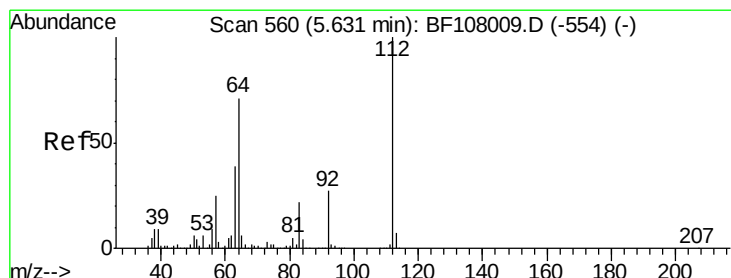
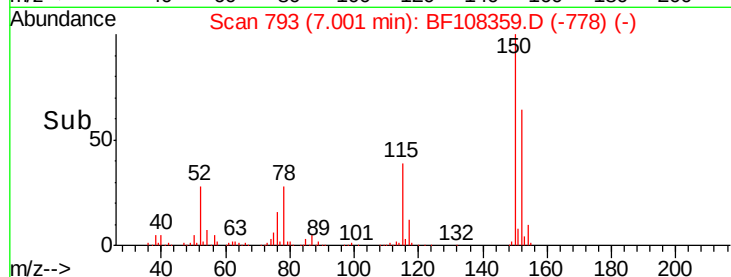
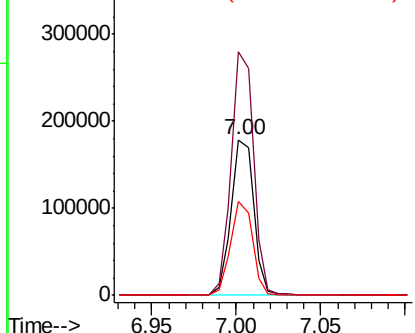
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

Instrument :
BNA_F
ClientSampleId :
CL-01-082018-C

Tgt Ion:152 Resp: 166366
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 60.4 50.1 75.1



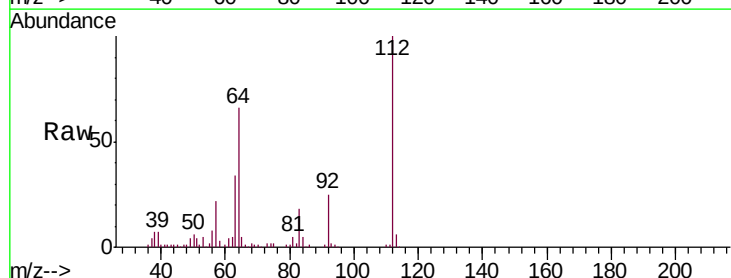
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



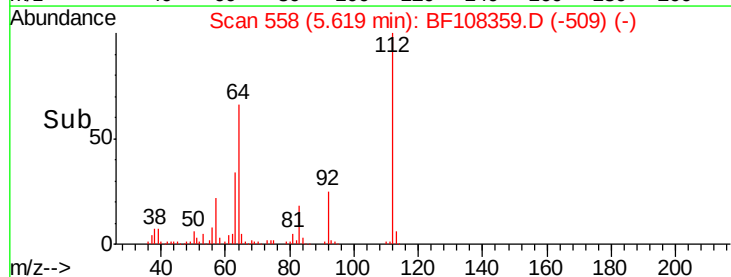
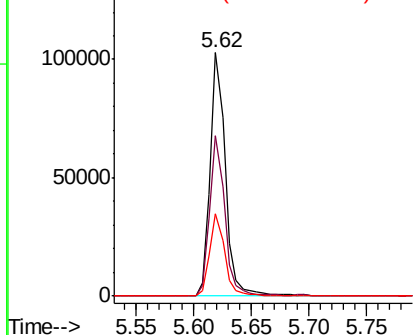
#5

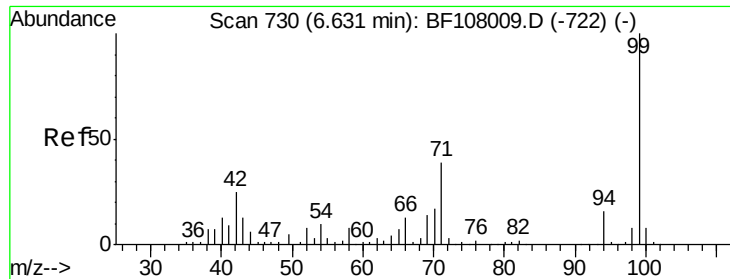
2-Fluorophenol
Concen: 10.311 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

Tgt Ion:112 Resp: 94750
Ion Ratio Lower Upper
112 100
64 65.6 47.9 71.9
63 33.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 10.445 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

Instrument :

BNA_F

ClientSampleId :

CL-01-082018-C

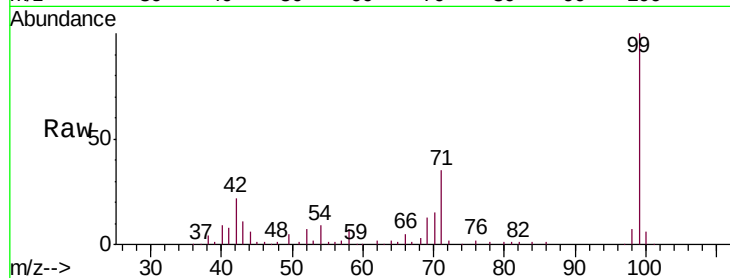
Tgt Ion: 99 Resp: 127542

Ion Ratio Lower Upper

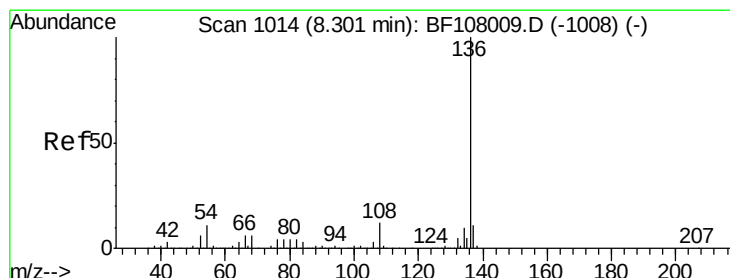
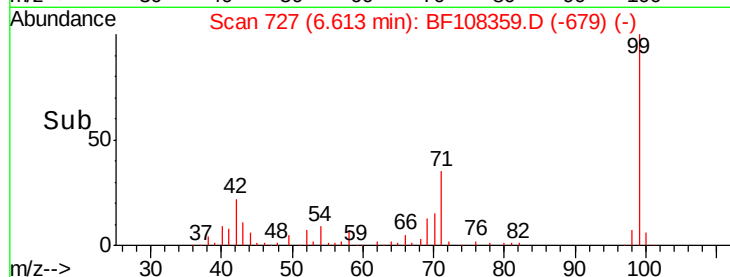
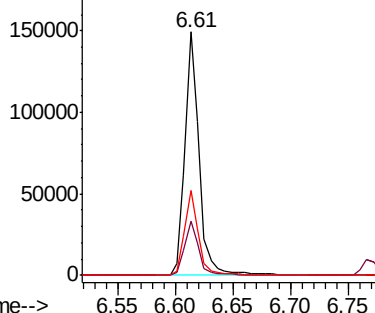
99 100

42 22.4 14.5 21.7#

71 35.0 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: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

Tgt Ion: 136 Resp: 624726

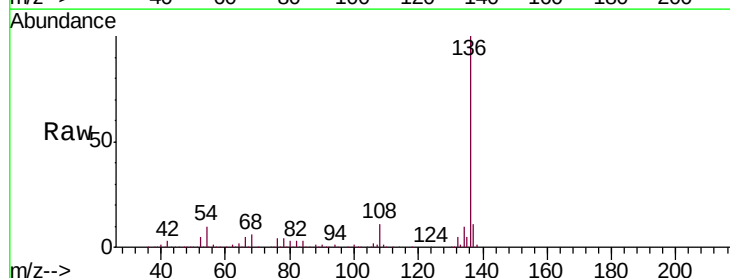
Ion Ratio Lower Upper

136 100

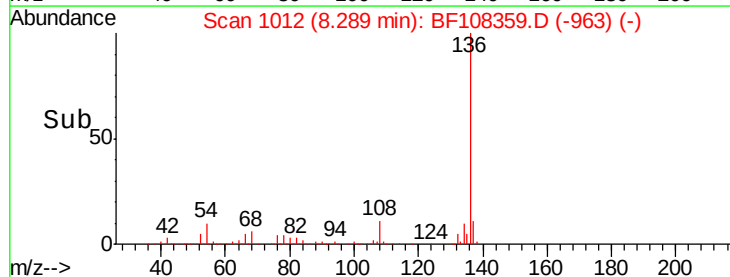
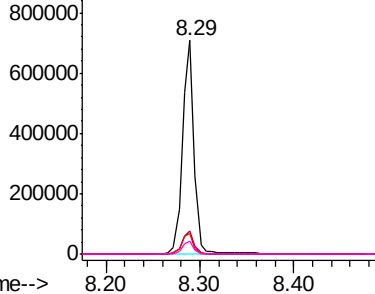
137 10.9 8.9 13.3

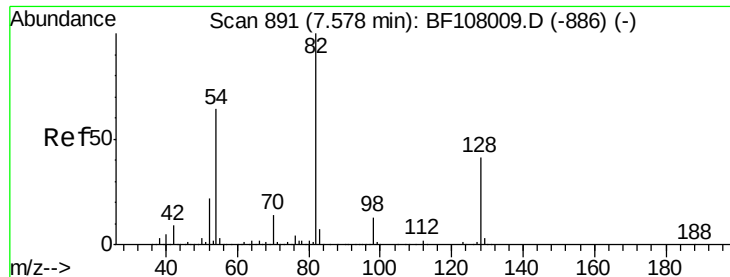
54 9.6 6.6 9.8

68 5.8 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

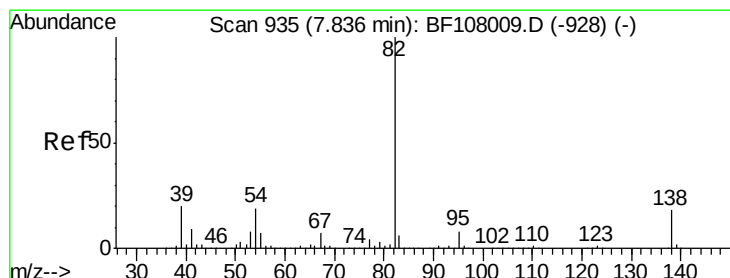
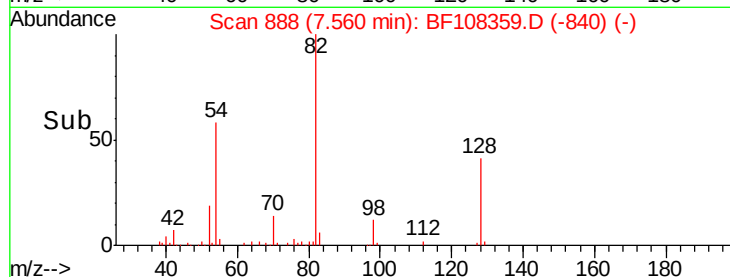
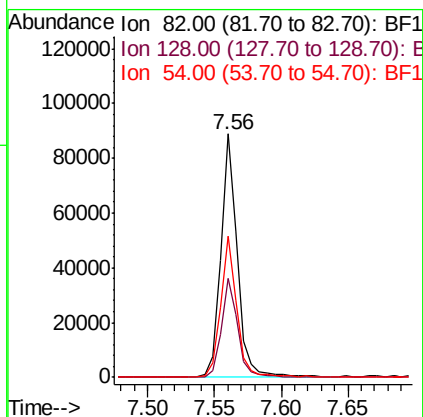
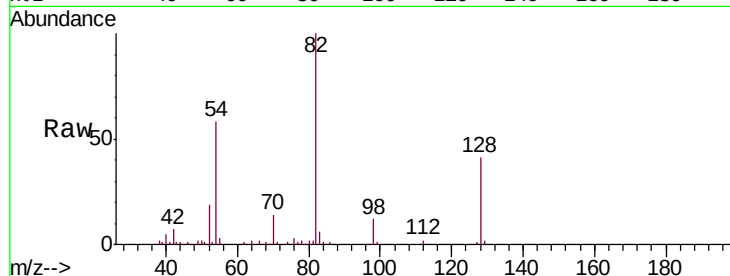




#23
 Nitrobenzene-d5
 Concen: 6.976 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BF108359.D
 Acq: 22 Aug 2018 1:15

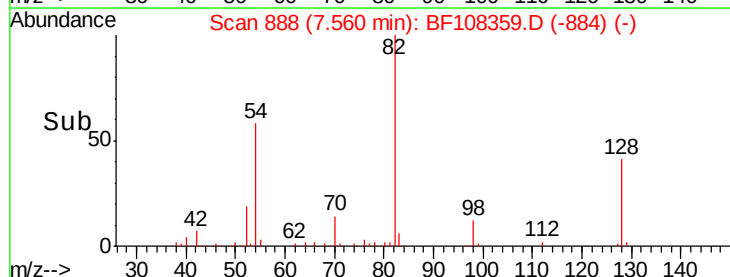
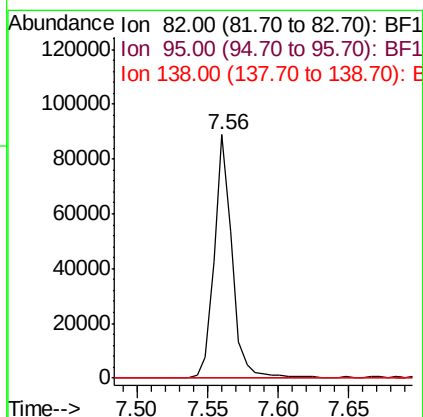
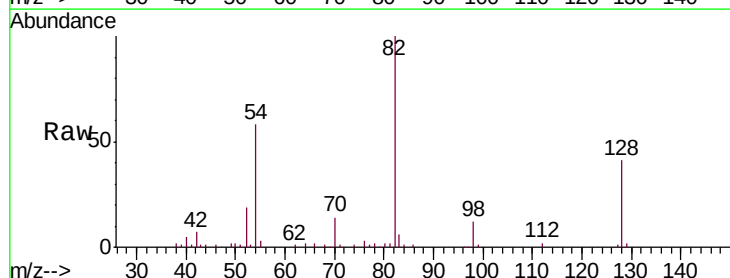
Instrument :
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 ClientSampleId :
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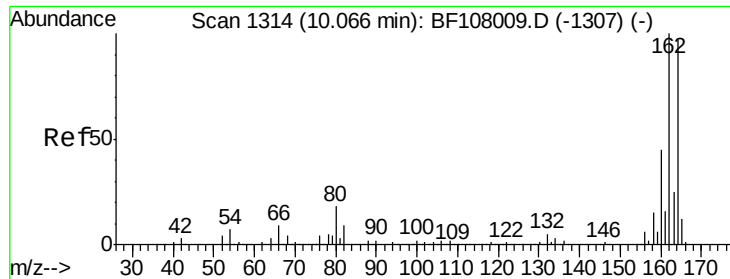
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.6	36.1	54.1
54	57.9	41.4	62.2



#25
 Isophorone
 Concen: 3.660 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.28 min
 Lab File: BF108359.D
 Acq: 22 Aug 2018 1:15

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

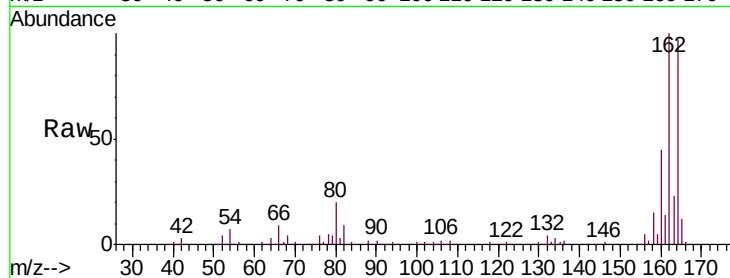




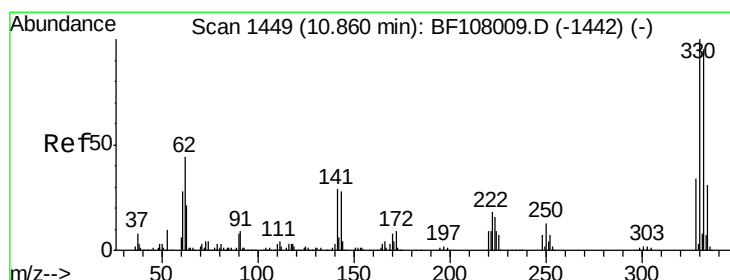
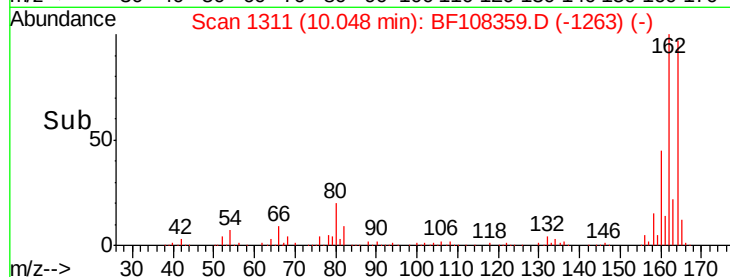
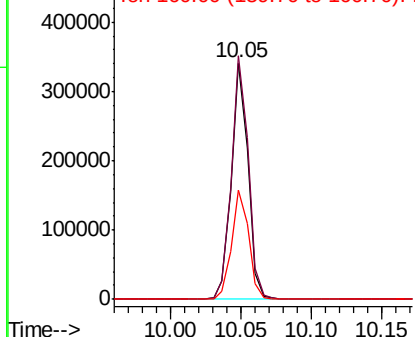
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF108359.D
 Acq: 22 Aug 2018 1:15

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-C

Tgt Ion:164 Resp: 279653
 Ion Ratio Lower Upper
 164 100
 162 102.9 86.1 129.1
 160 46.4 38.3 57.5

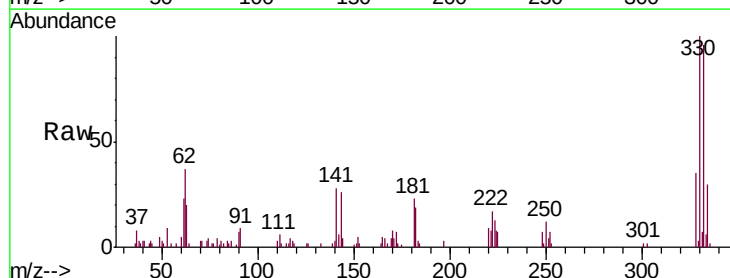


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

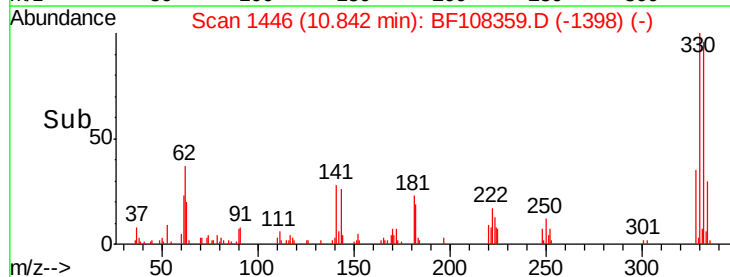
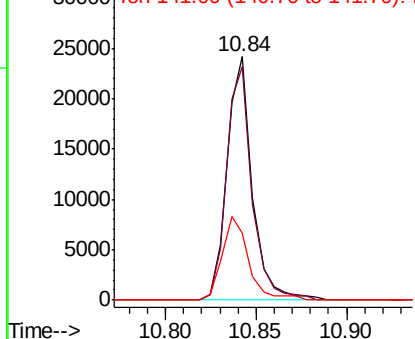


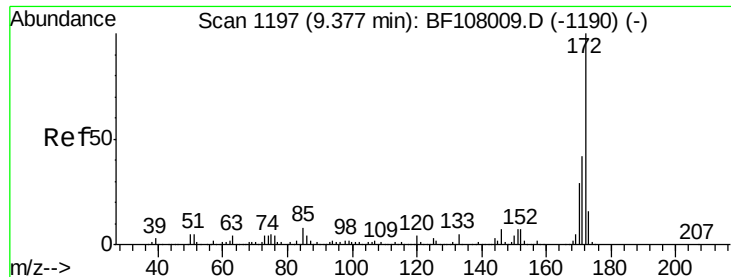
#41
 2,4,6-Tribromophenol
 Concen: 8.391 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF108359.D
 Acq: 22 Aug 2018 1:15

Tgt Ion:330 Resp: 23407
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 35.8 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

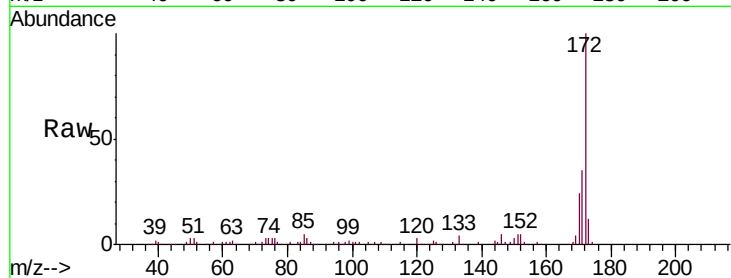




#44
 2-Fluorobiphenyl
 Concen: 9.013 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108359.D
 Acq: 22 Aug 2018 1:15

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-C

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	23.8	19.6	29.4

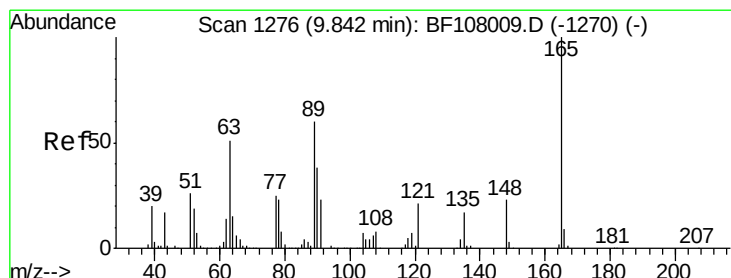
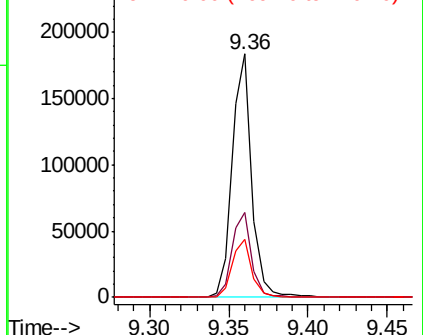
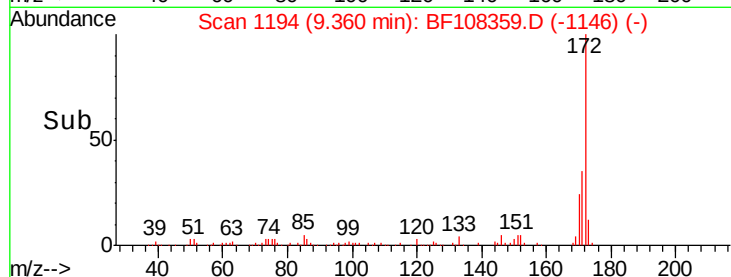


Abundance

Ion 172.00 (171.70 to 172.70): E

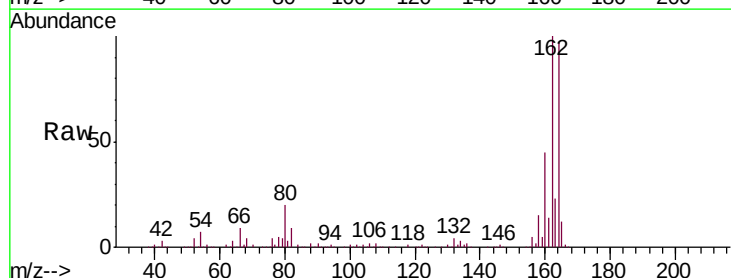
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
 2,6-Dinitrotoluene
 Concen: 9.046 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. 0.21 min
 Lab File: BF108359.D
 Acq: 22 Aug 2018 1:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.0	44.0	66.0#

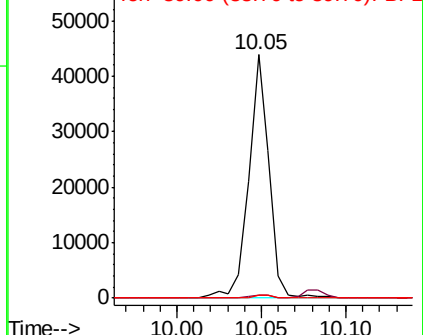
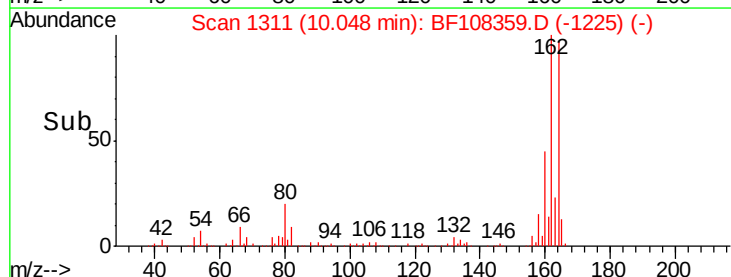


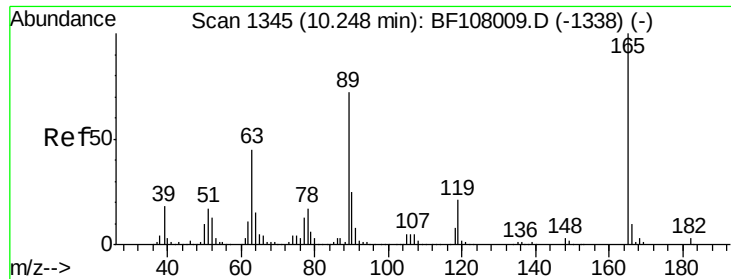
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

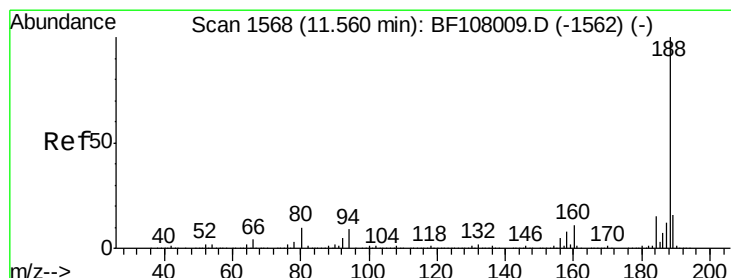
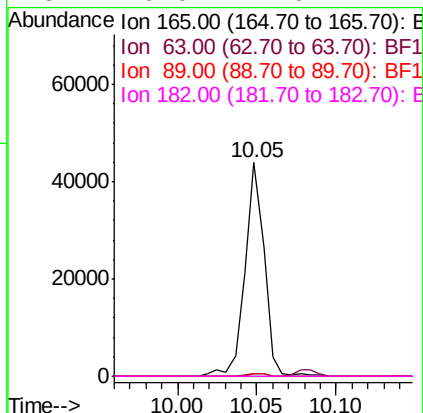
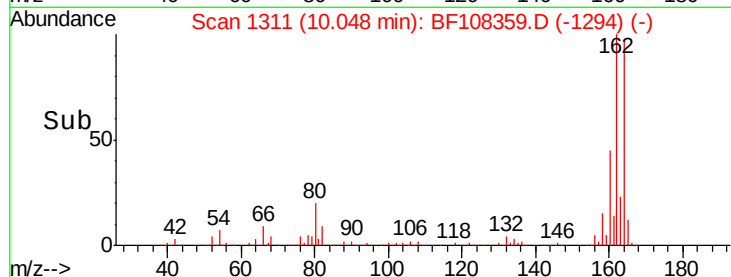
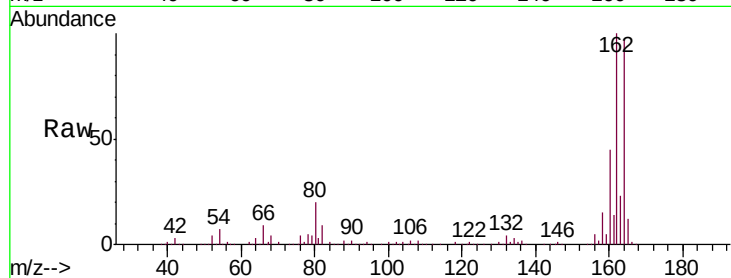




#56
 2,4-Dinitrotoluene
 Concen: 7.027 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.20 min
 Lab File: BF108359.D
 Acq: 22 Aug 2018 1:15

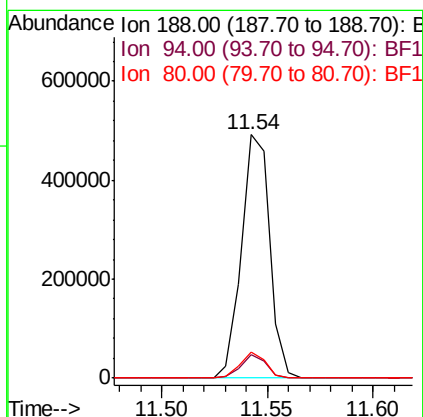
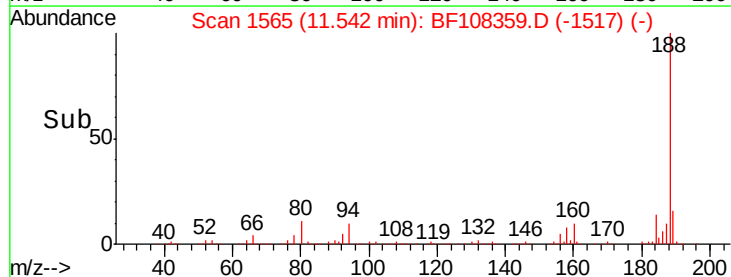
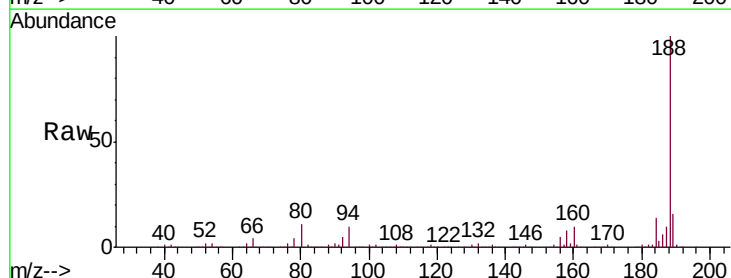
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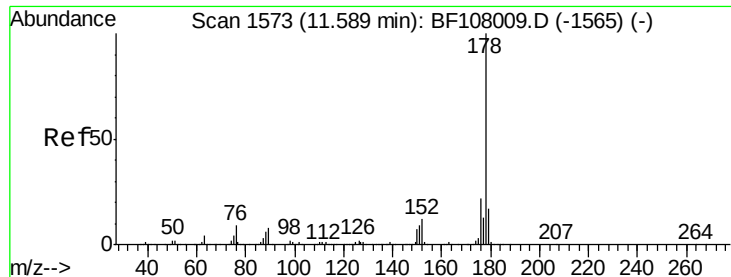
Tgt Ion:	165	Resp:	36867
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: BF108359.D
 Acq: 22 Aug 2018 1:15

Tgt Ion:	188	Resp:	456526
Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.8	9.2	13.8

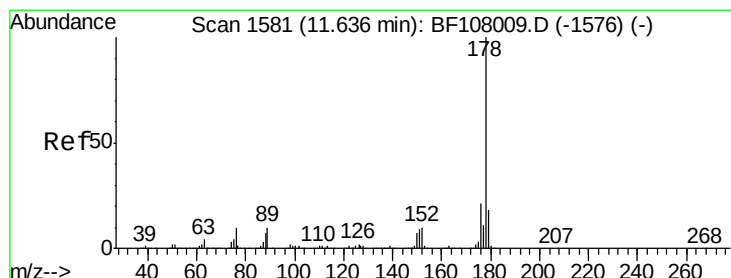
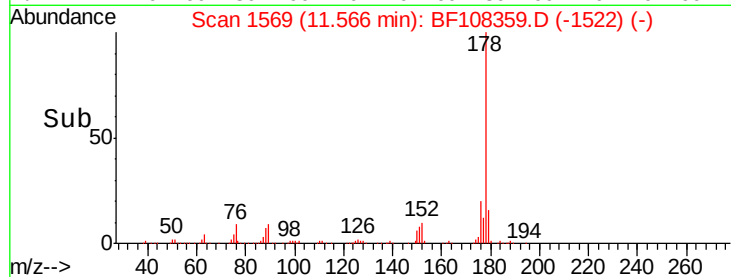
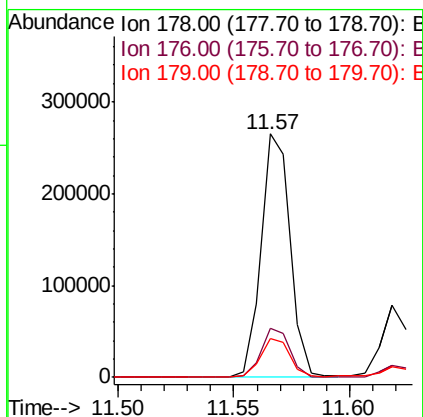
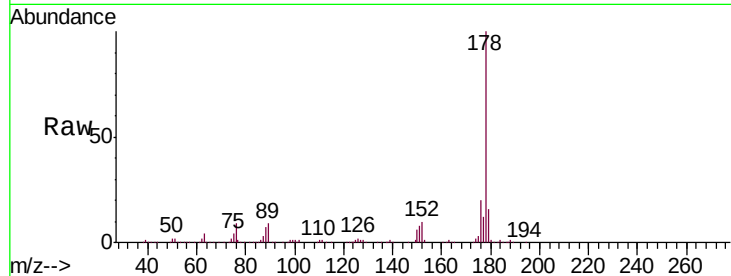




#70
Phenanthrene
Concen: 10.880 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

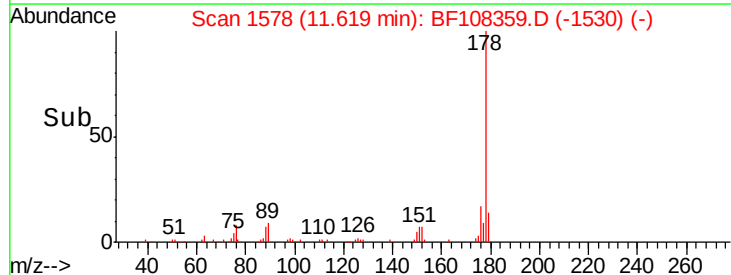
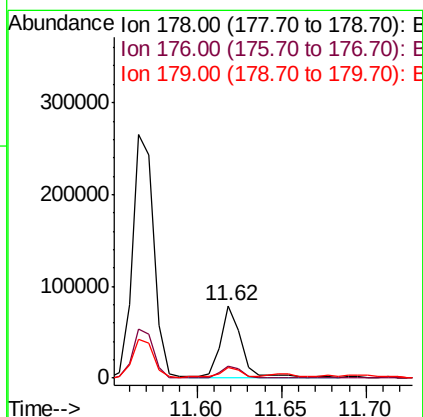
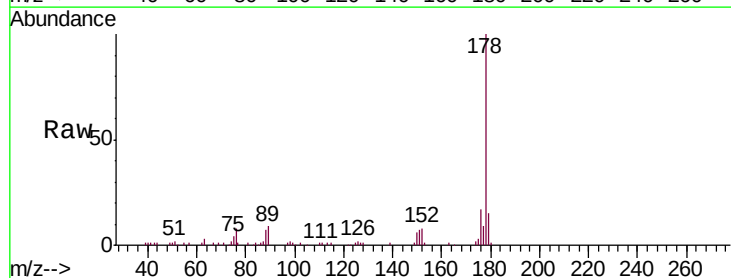
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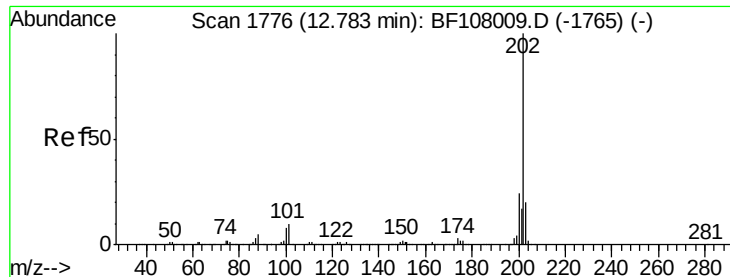
Tgt Ion:178 Resp: 234268
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 16.0 13.0 19.6



#71
Anthracene
Concen: 3.036 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

Tgt Ion:178 Resp: 66999
Ion Ratio Lower Upper
178 100
176 17.1 15.4 23.2
179 14.5 12.6 19.0





#74

Fluoranthene

Concen: 15.165 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.02 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

Instrument :

BNA_F

ClientSampleId :

CL-01-082018-C

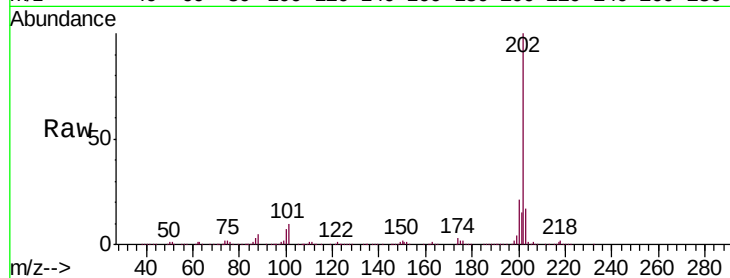
Tgt Ion: 202 Resp: 356376

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.1

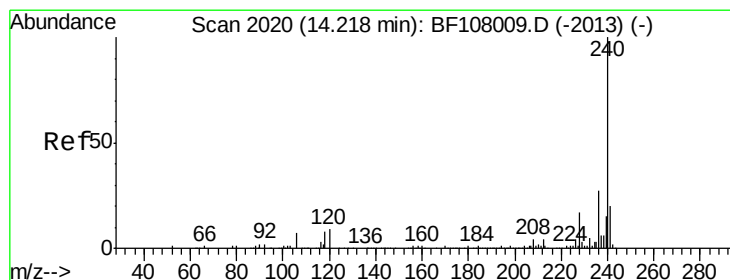
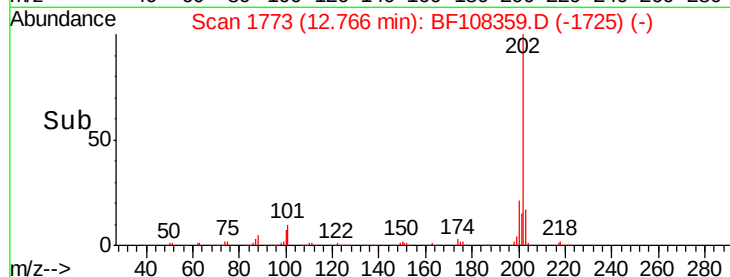
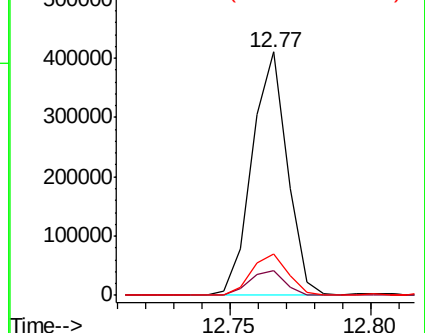
203 17.2 0.0 38.1



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: 14.20 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

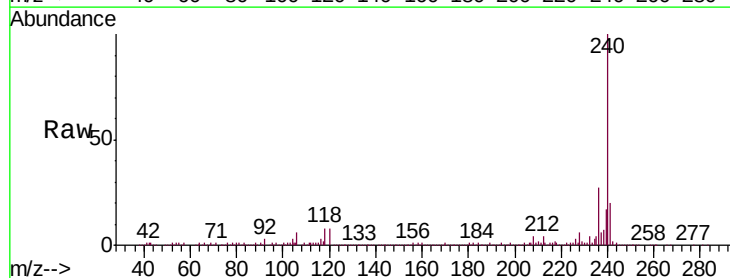
Tgt Ion: 240 Resp: 371501

Ion Ratio Lower Upper

240 100

120 8.3 9.5 14.3#

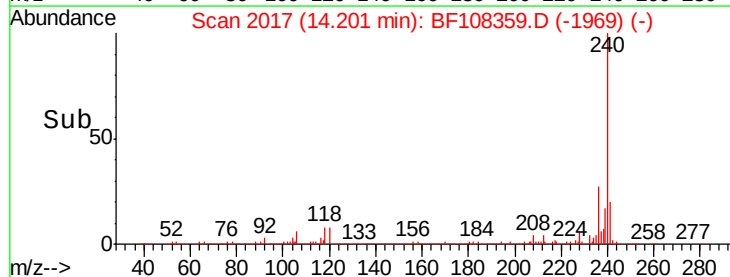
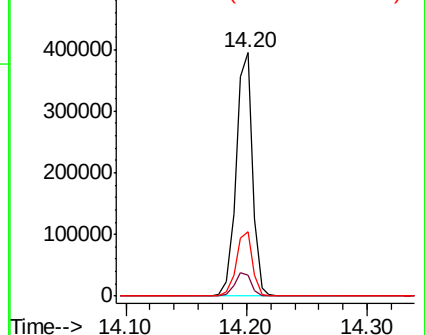
236 26.5 20.7 31.1

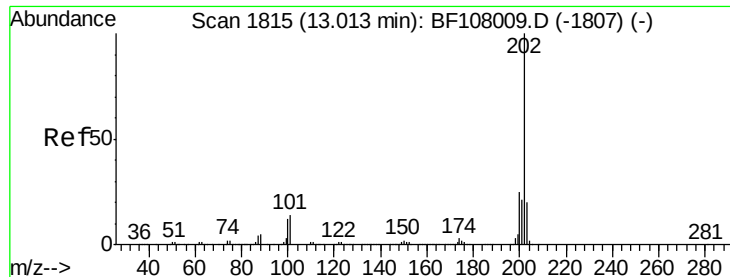


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 15.075 ng

RT: 13.00 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

Instrument :

BNA_F

ClientSampleId :

CL-01-082018-C

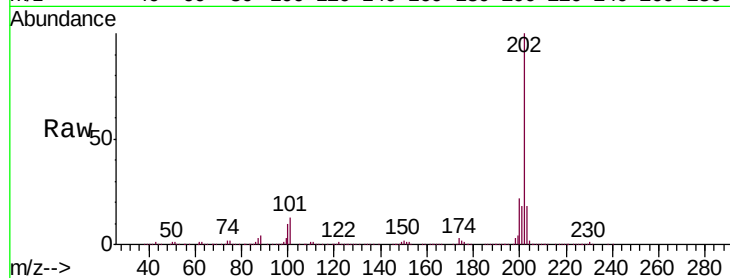
Tgt Ion: 202 Resp: 354567

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

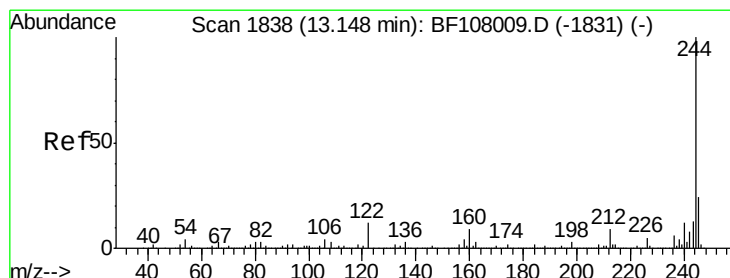
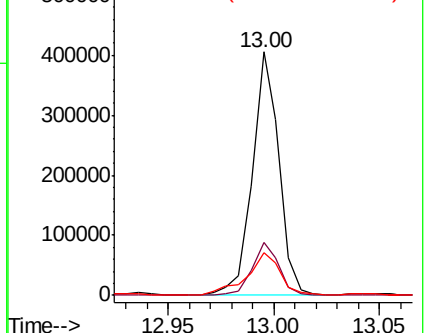
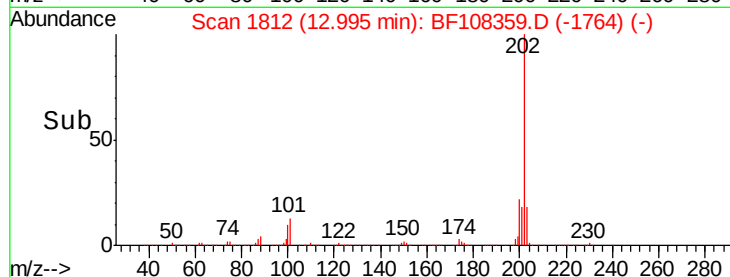
203 17.6 14.3 21.5



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: 8.111 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

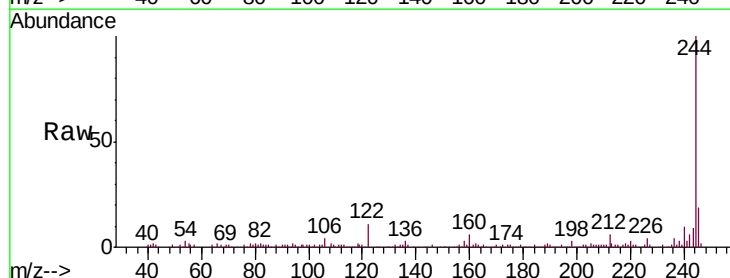
Tgt Ion: 244 Resp: 118509

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

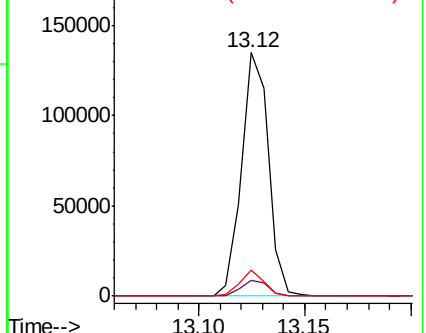
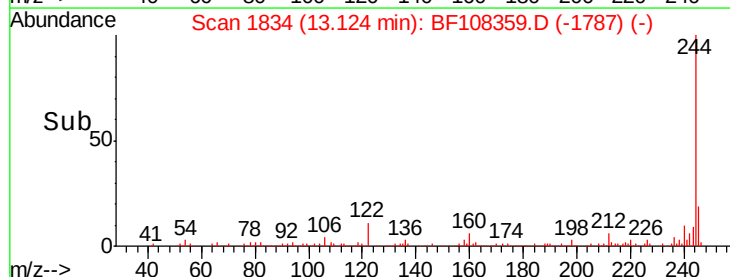
122 10.6 11.0 16.4#

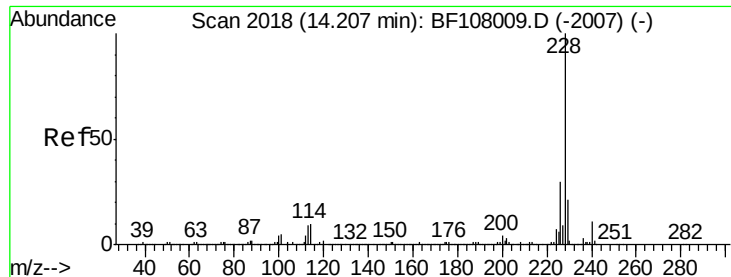


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.446 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

Instrument :

BNA_F

ClientSampleId :

CL-01-082018-C

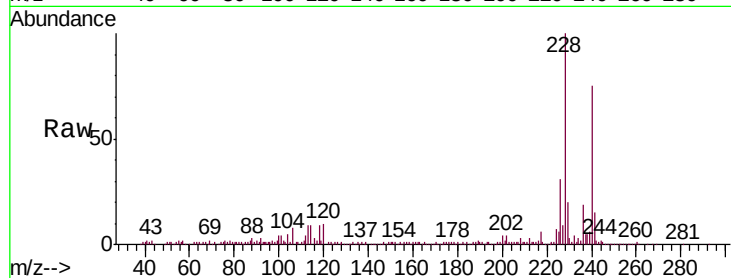
Tgt Ion:228 Resp: 180062

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

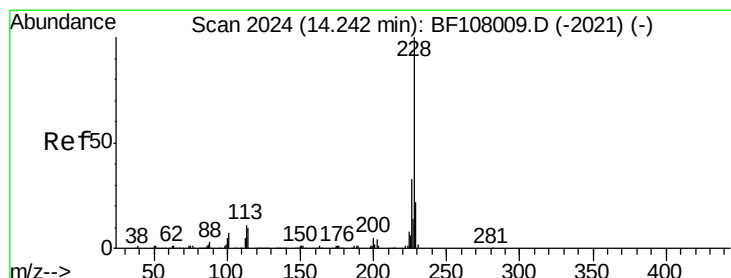
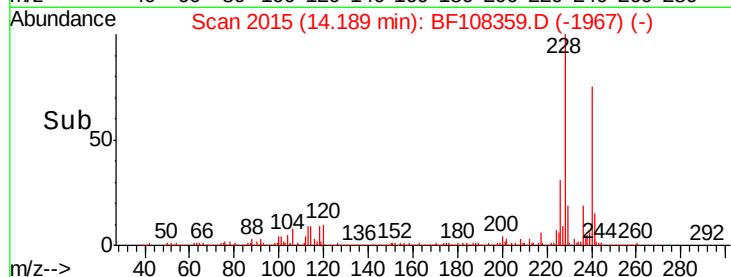
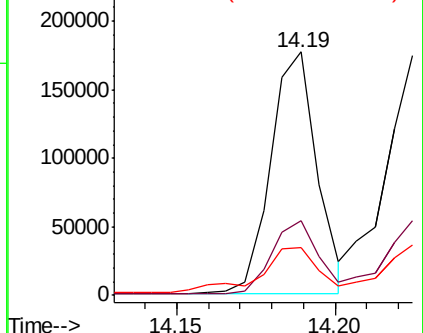
229 19.9 15.8 23.6



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: 8.430 ng

RT: 14.22 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

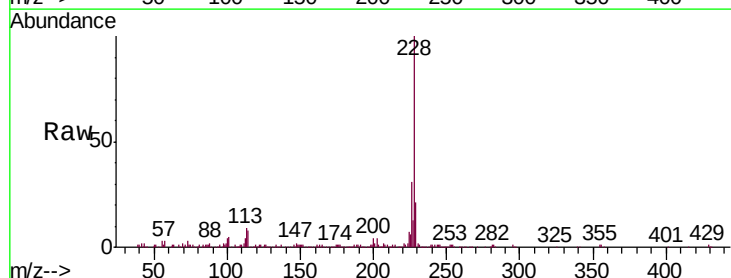
Tgt Ion:228 Resp: 164777

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

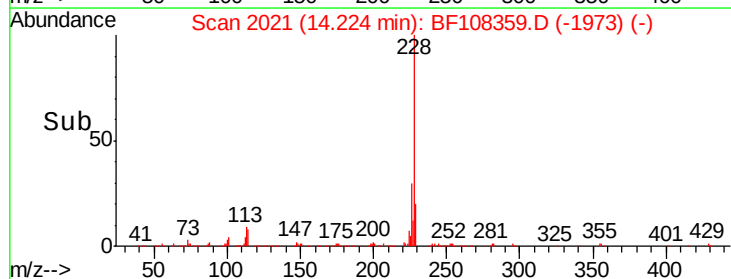
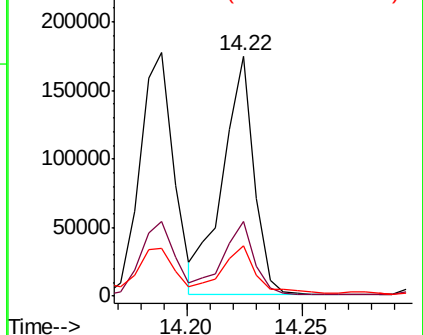
229 21.2 16.2 24.4

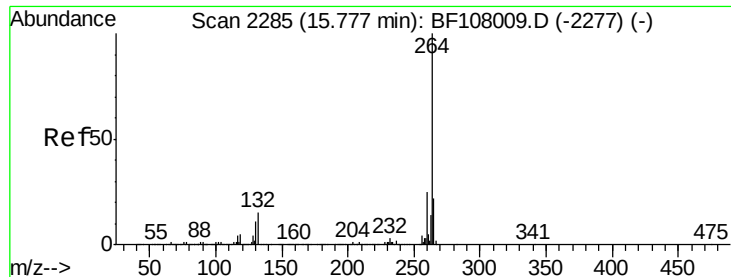


Abundance Ion 228.00 (227.70 to 228.70): E

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: 15.75 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

Instrument :

BNA_F

ClientSampleId :

CL-01-082018-C

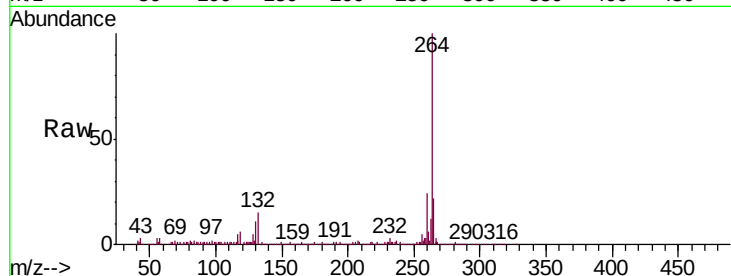
Tgt Ion:264 Resp: 312574

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.5 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

300000

250000

200000

150000

100000

50000

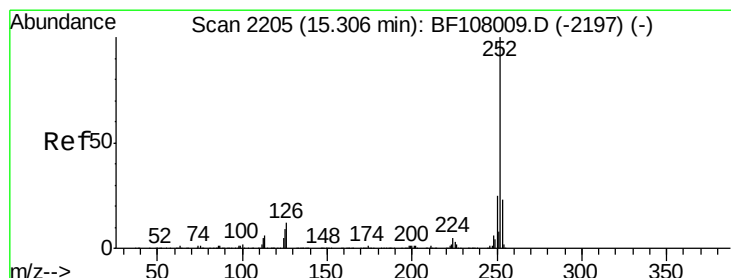
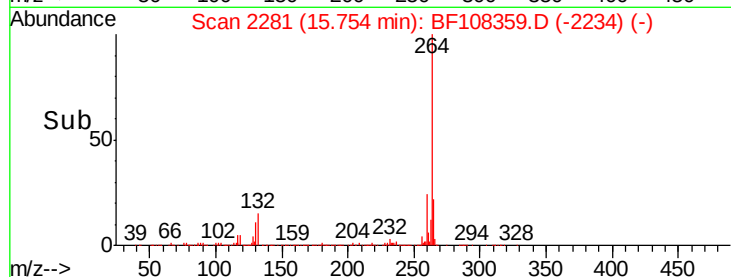
0

15.75

15.70

15.80

Time-->



#87

Benzo(b)fluoranthene

Concen: 11.676 ng

RT: 15.29 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

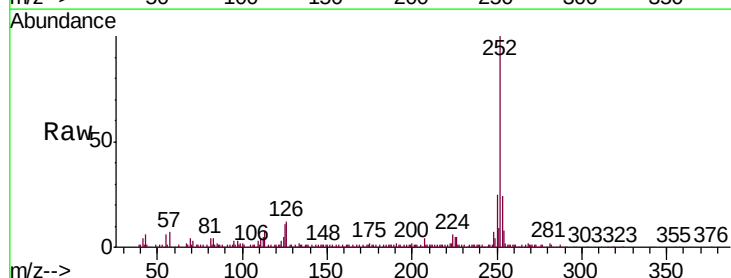
Tgt Ion:252 Resp: 218078

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

125 10.6 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

100000

50000

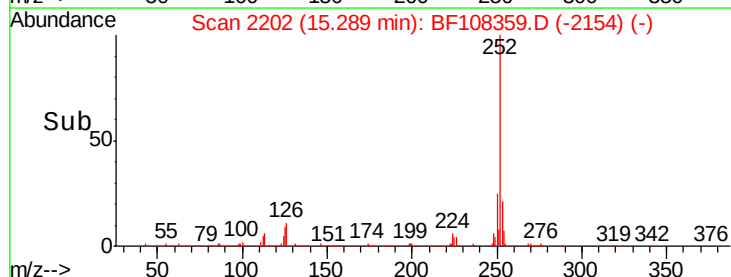
0

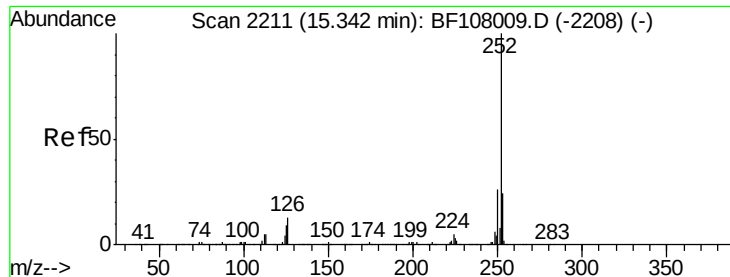
15.29

15.25

15.35

Time-->

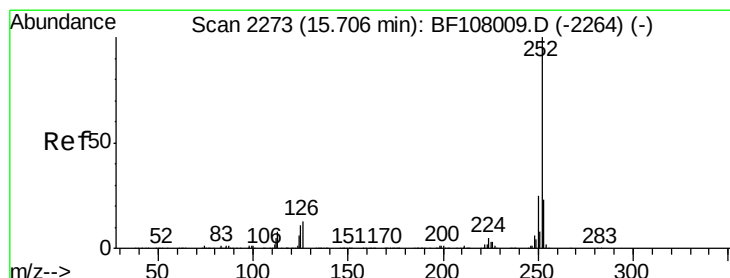
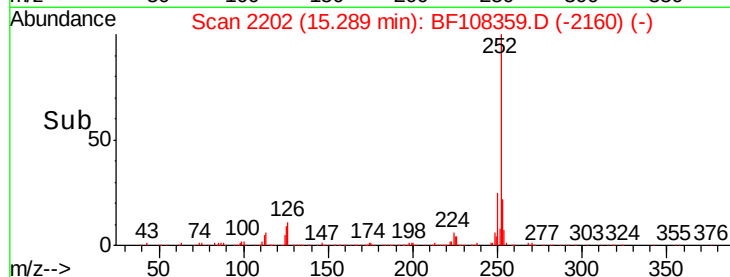
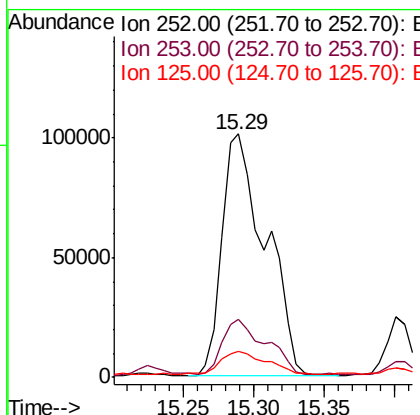
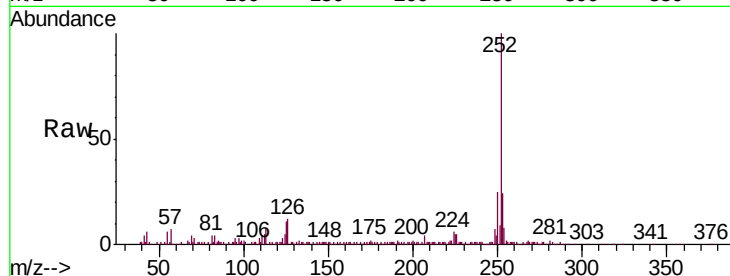




#88
Benzo(k)fluoranthene
Concen: 12.702 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.05 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

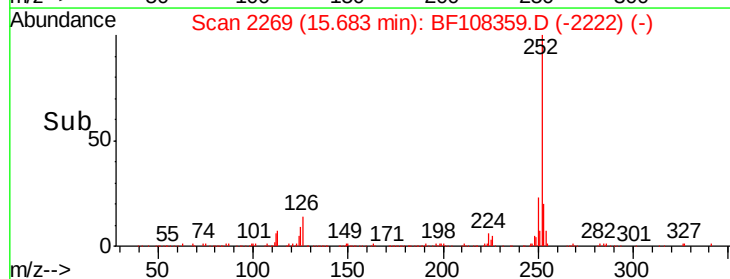
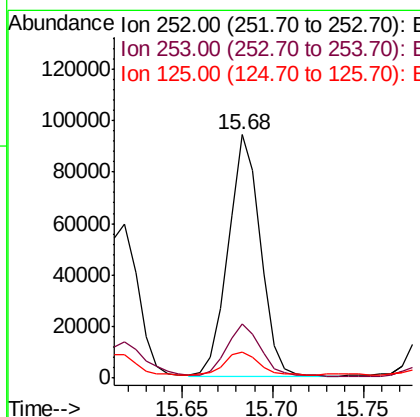
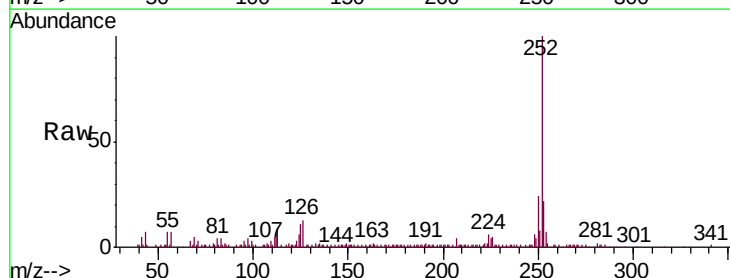
Instrument :
BNA_F
ClientSampleId :
CL-01-082018-C

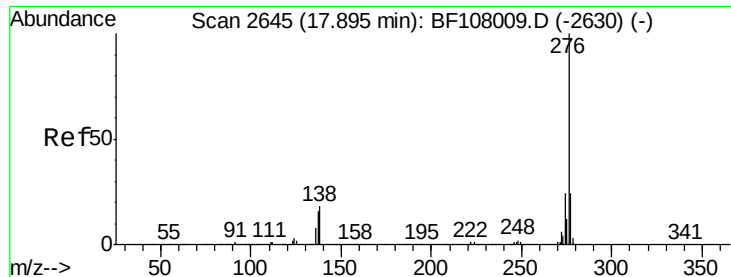
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	10.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 6.941 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	10.7	9.8	14.6





#91

Benzo(g,h,i)perylene

Concen: 3.742 ng

RT: 17.85 min Scan# 2638

Delta R.T. -0.04 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

Instrument :

BNA_F

ClientSampleId :

CL-01-082018-C

Tgt Ion: 276 Resp: 50996

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 19.7 21.8 32.8#

