

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082118\
 Data File : BF108360.D
 Acq On : 22 Aug 2018 1:42
 Operator : JU/SJ
 Sample : J4275-15 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Aug 22 03:33:03 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

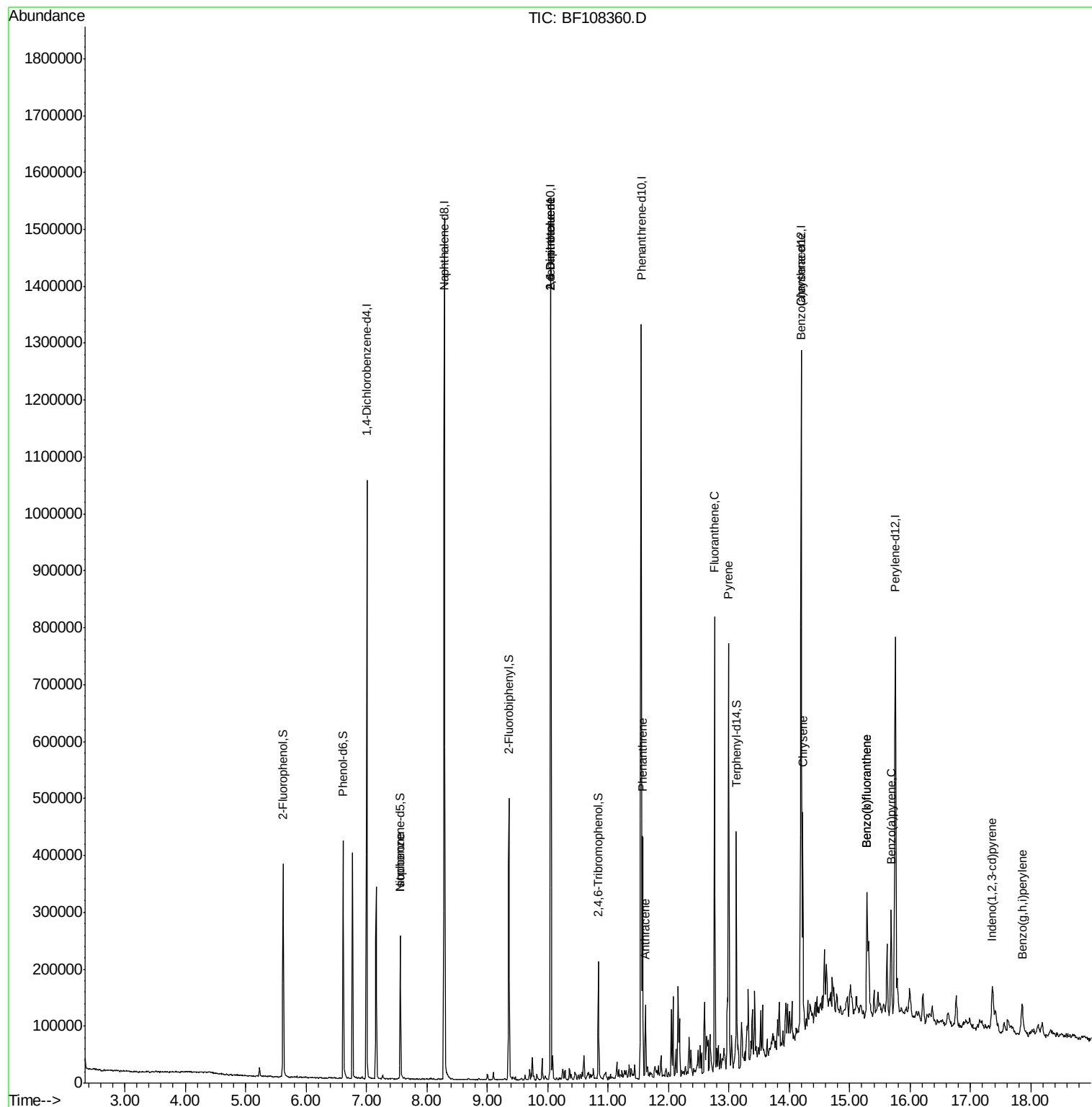
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	166723	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	636193	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	302495	20.00	ng	-0.02
63) Phenanthrene-d10	11.55	188	505384	20.00	ng	-0.01
75) Chrysene-d12	14.20	240	379693	20.00	ng	-0.02
86) Perylene-d12	15.75	264	337067	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	92918	10.09	ng	-0.01
7) Phenol-d6	6.61	99	127597	10.43	ng	-0.02
23) Nitrobenzene-d5	7.56	82	78846	6.92	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	25028	8.29	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	153623	8.15	ng	-0.02
78) Terphenyl-d14	13.12	244	124002	8.30	ng	-0.02
Target Compounds						
25) Isophorone	7.56	82	78845	3.628	ng	# 64
50) 2,6-Dinitrotoluene	10.05	165	39048	8.857	ng	# 25
56) 2,4-Dinitrotoluene	10.05	165	39048	6.881	ng	# 23
70) Phenanthrene	11.57	178	162596	6.821	ng	98
71) Anthracene	11.62	178	49162	2.012	ng	99
74) Fluoranthene	12.77	202	302431	11.625	ng	94
77) Pyrene	12.99	202	300716	12.510	ng	97
80) Benzo(a)anthracene	14.19	228	143727	6.596	ng	95
82) Chrysene	14.22	228	131403	6.578	ng	99
85) Indeno(1,2,3-cd)pyrene	17.36	276	45575	2.633	ng	# 89
87) Benzo(b)fluoranthene	15.29	252	179660	8.920	ng	97
88) Benzo(k)fluoranthene	15.29	252	179660	9.704	ng	98
89) Benzo(a)pyrene	15.68	252	96525	5.352	ng	97
91) Benzo(g,h,i)perylene	17.85	276	45480	3.095	ng	# 87

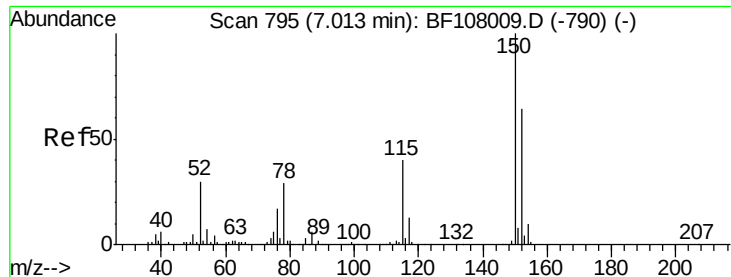
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082118\
Data File : BF108360.D
Acq On : 22 Aug 2018 1:42
Operator : JU/SJ
Sample : J4275-15 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Aug 22 03:33:03 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



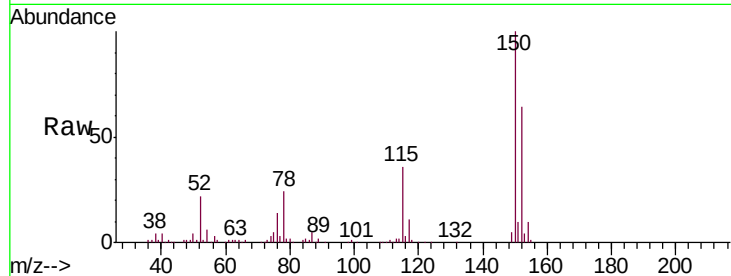


#1

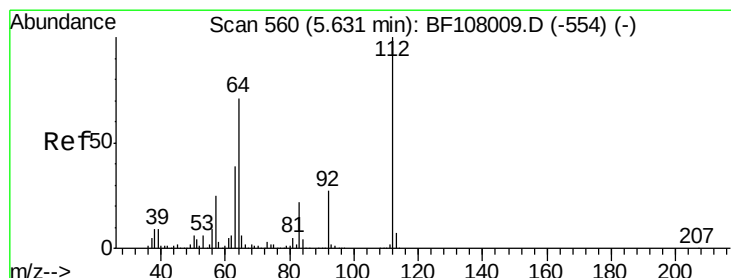
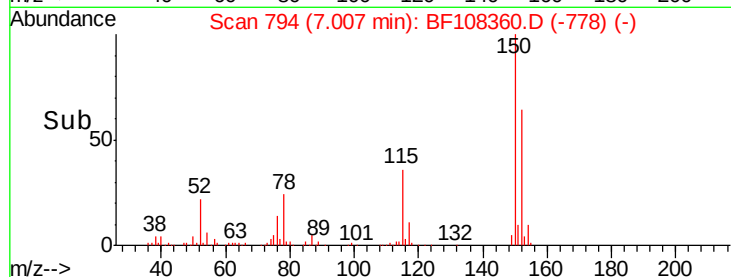
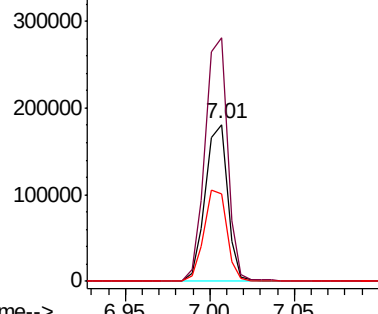
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF108360.D
Acq: 22 Aug 2018 1:42

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

Tgt Ion:152 Resp: 166723
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 56.1 50.1 75.1



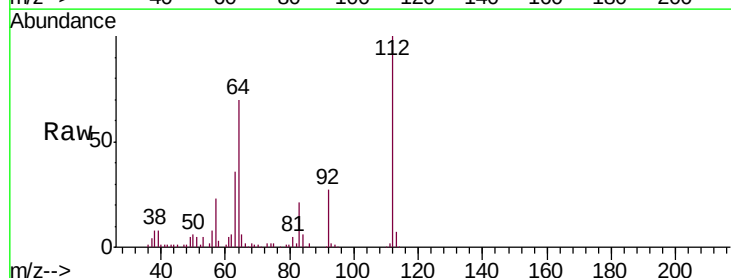
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



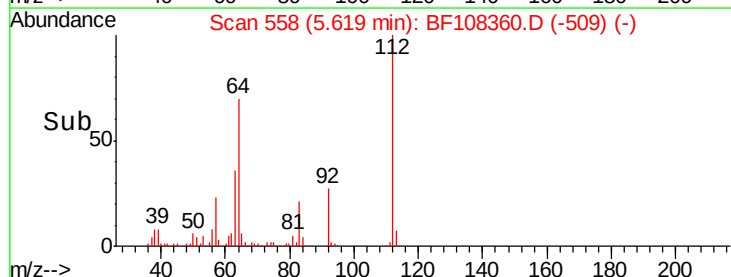
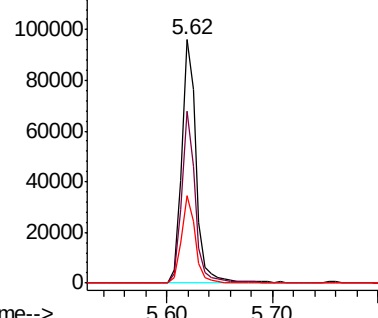
#5

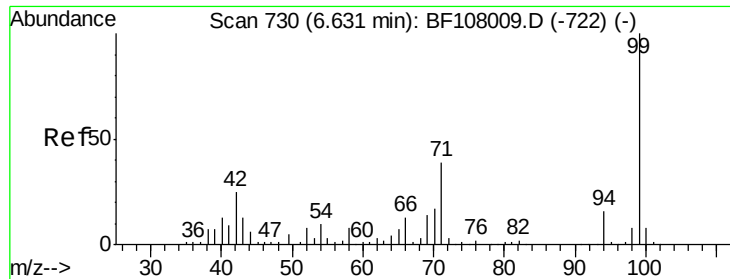
2-Fluorophenol
Concen: 10.090 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108360.D
Acq: 22 Aug 2018 1:42

Tgt Ion:112 Resp: 92918
Ion Ratio Lower Upper
112 100
64 70.4 47.9 71.9
63 35.7 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: 10.427 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Instrument :

BNA_F

ClientSampleId :

CL-01-082018-D

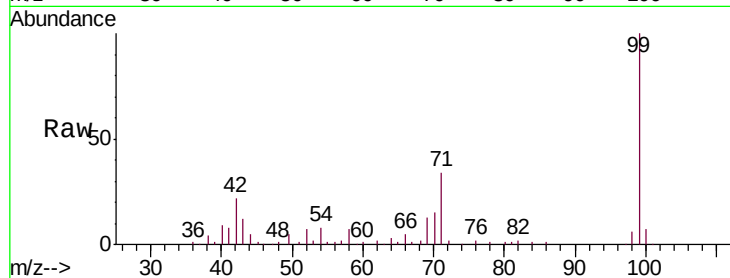
Tgt Ion: 99 Resp: 127597

Ion Ratio Lower Upper

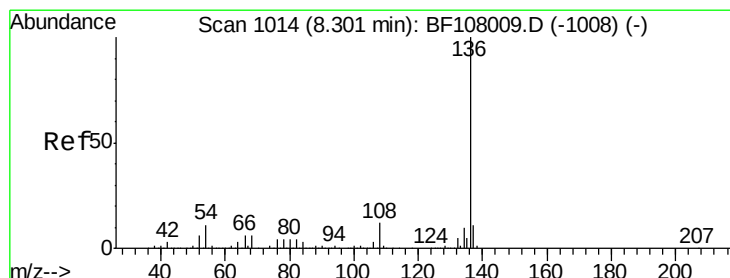
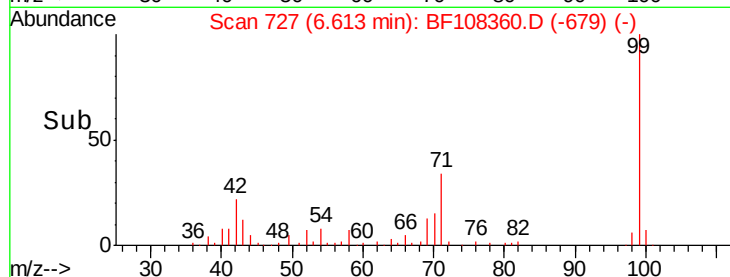
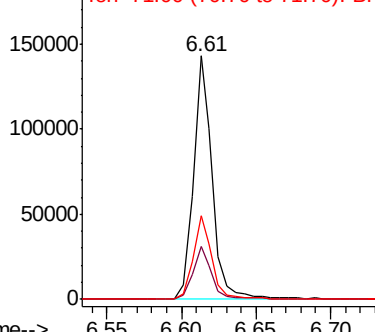
99 100

42 21.9 14.5 21.7#

71 34.2 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: BF108360.D

Acq: 22 Aug 2018 1:42

Tgt Ion: 136 Resp: 636193

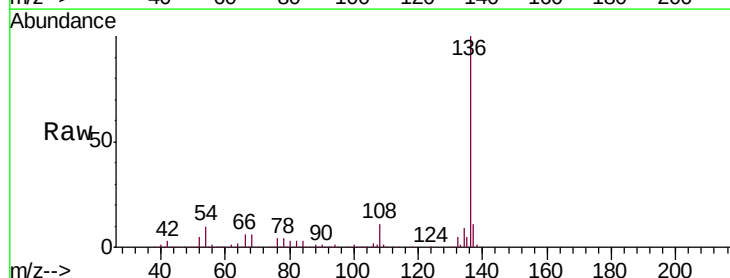
Ion Ratio Lower Upper

136 100

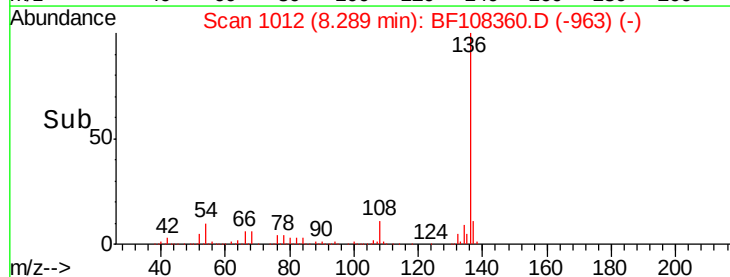
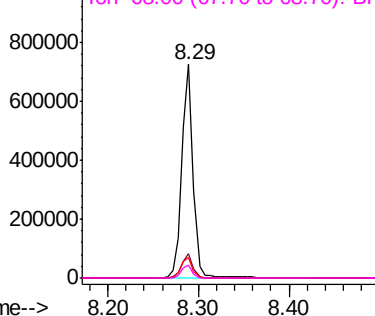
137 11.2 8.9 13.3

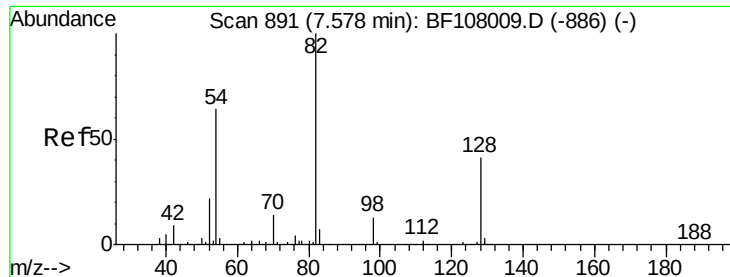
54 9.6 6.6 9.8

68 5.9 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: 6.916 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.02 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Instrument :

BNA_F

ClientSampleId :

CL-01-082018-D

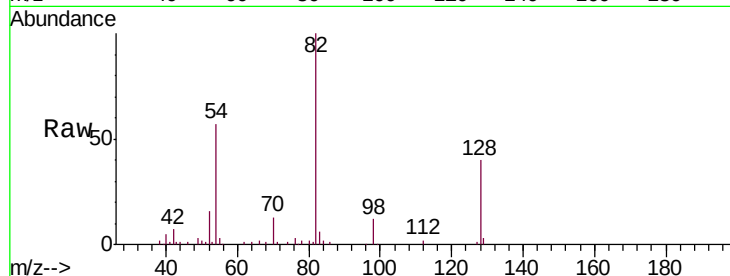
Tgt Ion: 82 Resp: 78846

Ion Ratio Lower Upper

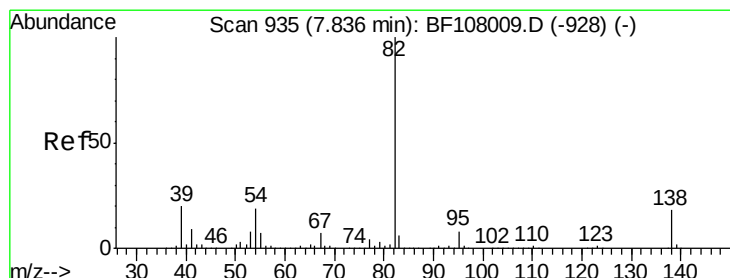
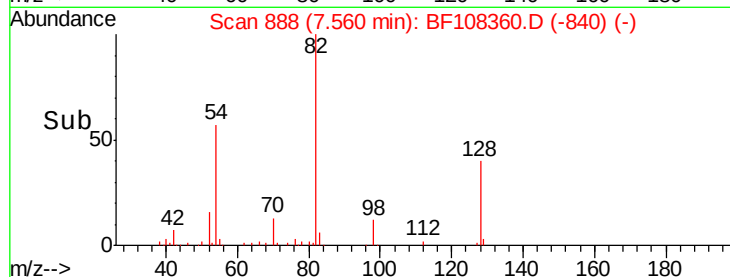
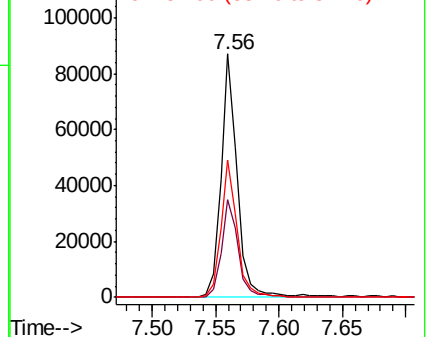
82 100

128 40.1 36.1 54.1

54 56.5 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: 3.628 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.28 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

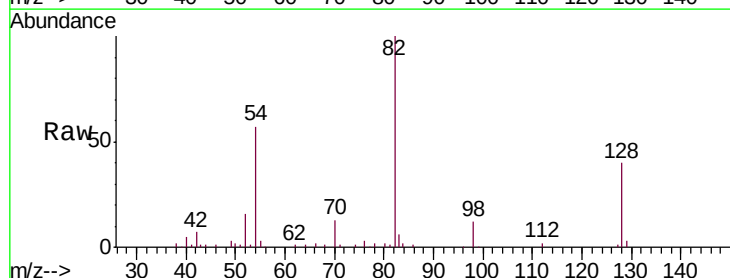
Tgt Ion: 82 Resp: 78845

Ion Ratio Lower Upper

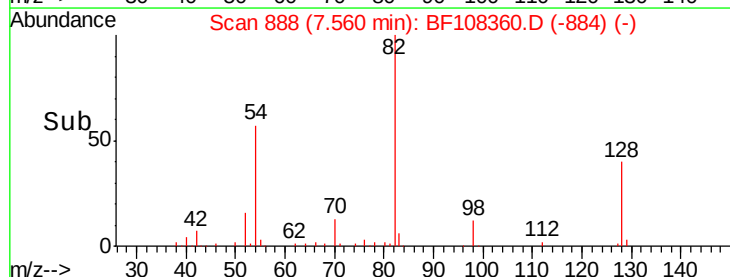
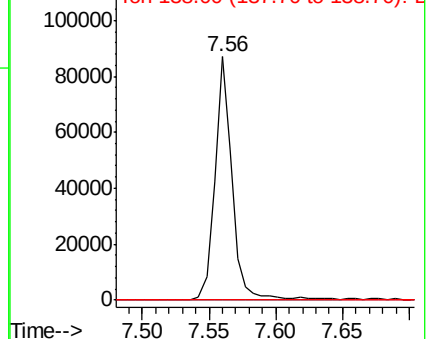
82 100

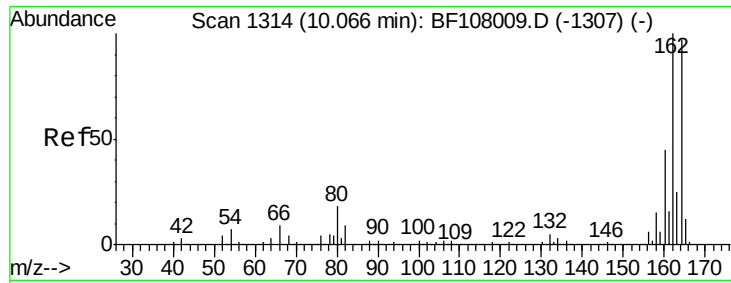
95 0.0 5.2 7.8#

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

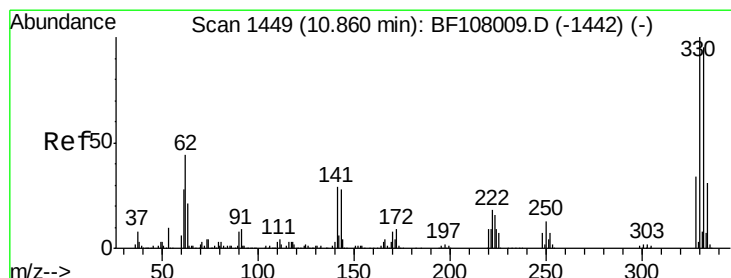
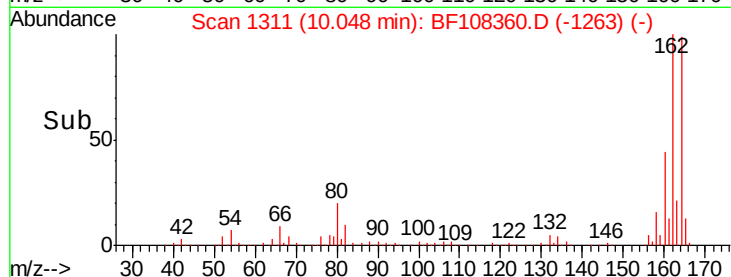
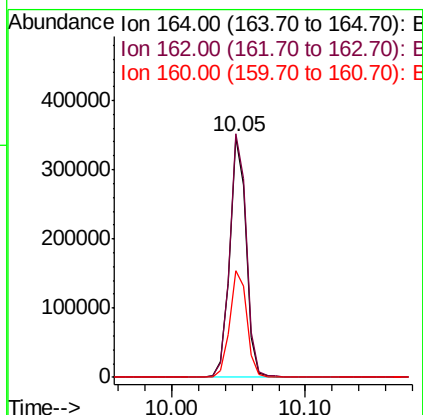
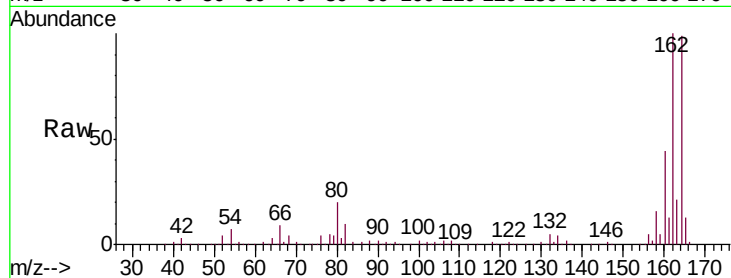




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF108360.D
Acq: 22 Aug 2018 1:42

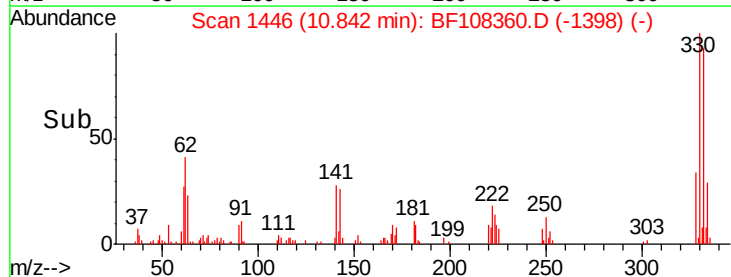
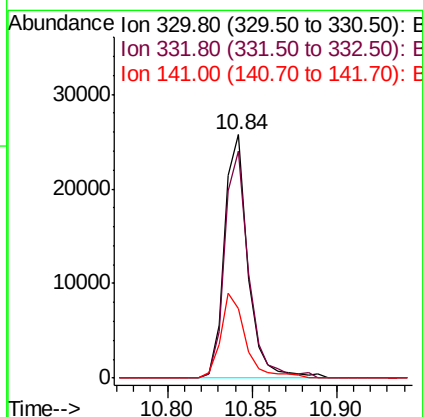
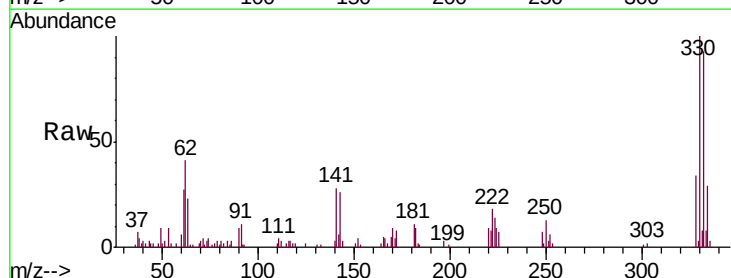
Instrument :
BNA_F
ClientSampleId :
CL-01-082018-D

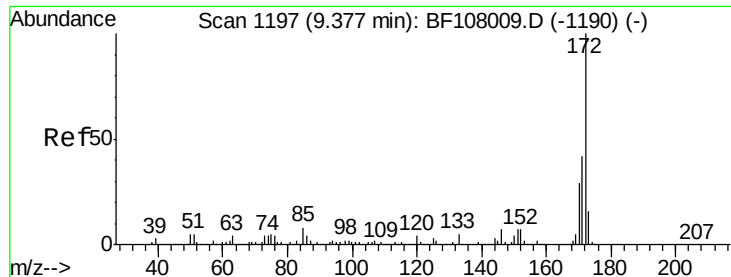
Tgt Ion:164 Resp: 302495
Ion Ratio Lower Upper
164 100
162 101.4 86.1 129.1
160 44.5 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 8.295 ng
RT: 10.84 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BF108360.D
Acq: 22 Aug 2018 1:42

Tgt Ion:330 Resp: 25028
Ion Ratio Lower Upper
330 100
332 95.1 77.0 115.6
141 36.5 29.9 44.9

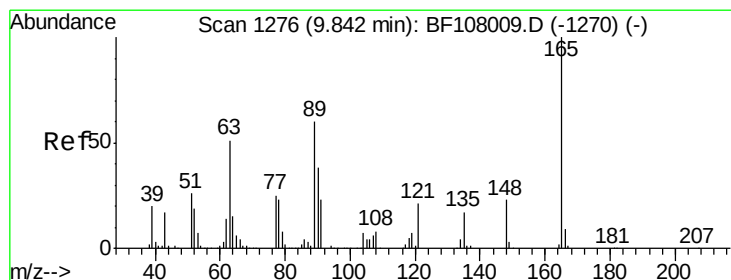
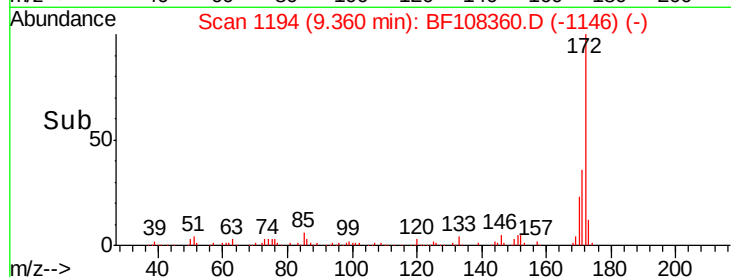
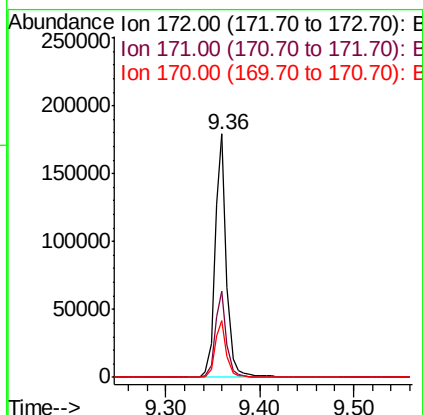
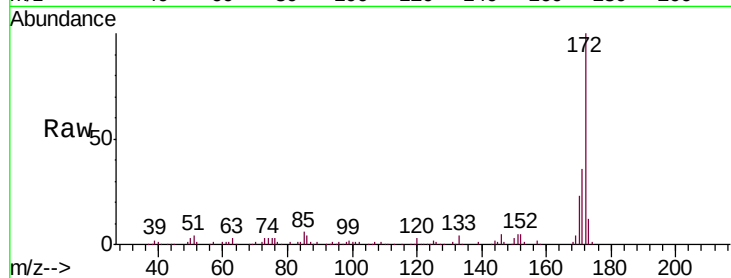




#44
 2-Fluorobiphenyl
 Concen: 8.153 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

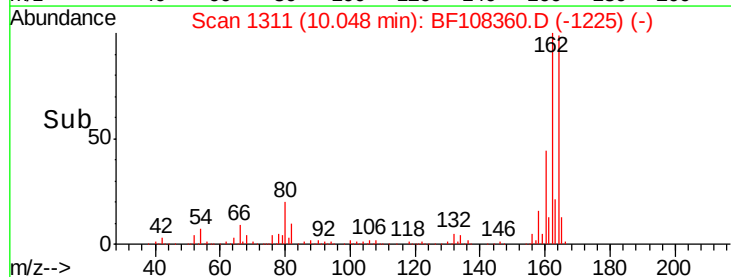
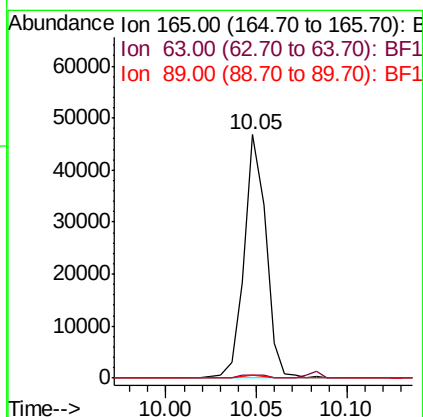
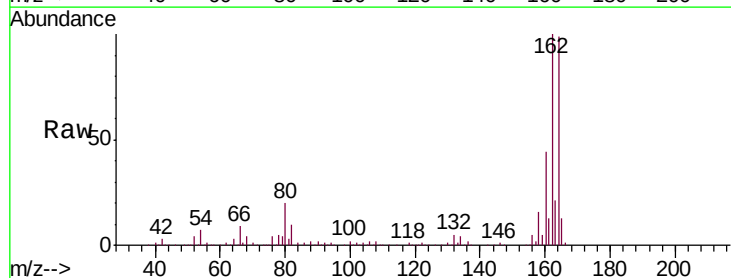
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-D

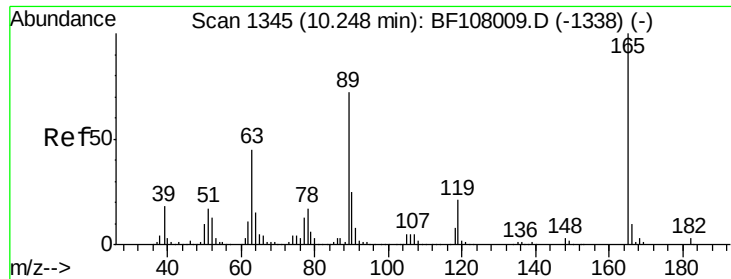
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.2	19.6	29.4



#50
 2,6-Dinitrotoluene
 Concen: 8.857 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. 0.21 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.3	44.0	66.0#

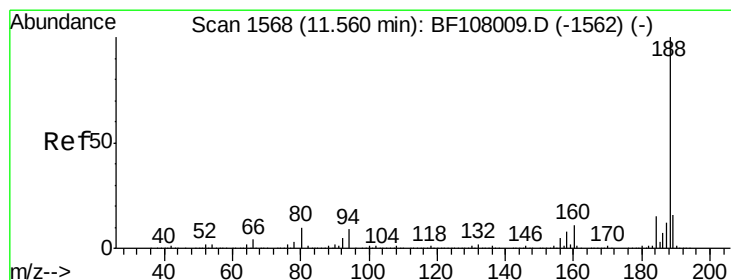
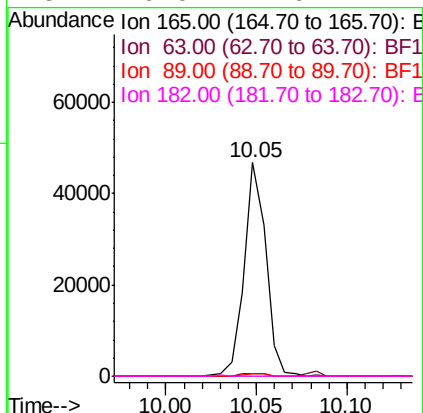
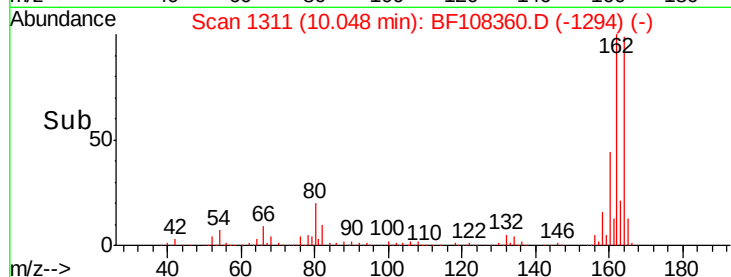
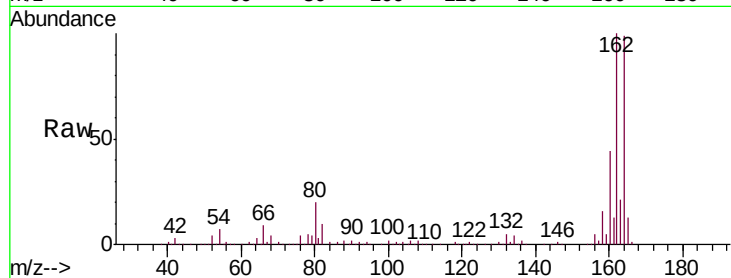




#56
 2,4-Dinitrotoluene
 Concen: 6.881 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.20 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

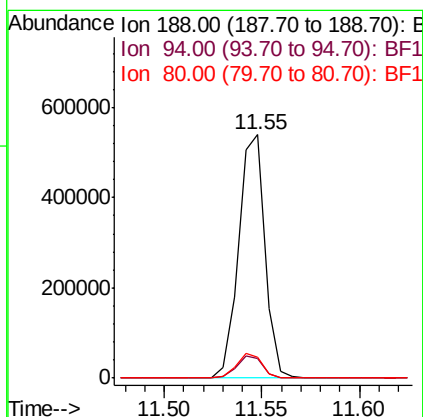
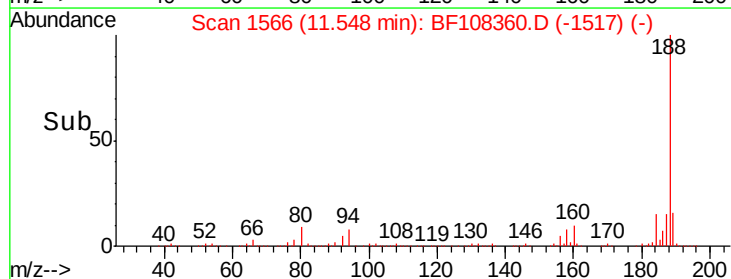
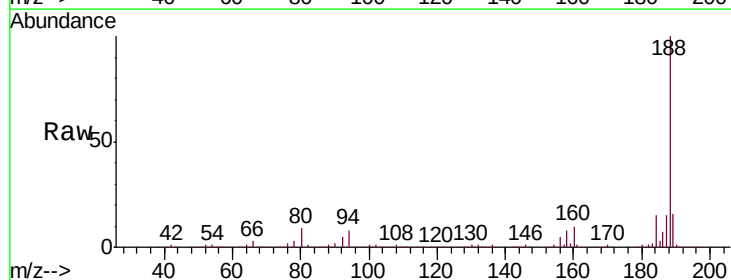
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-D

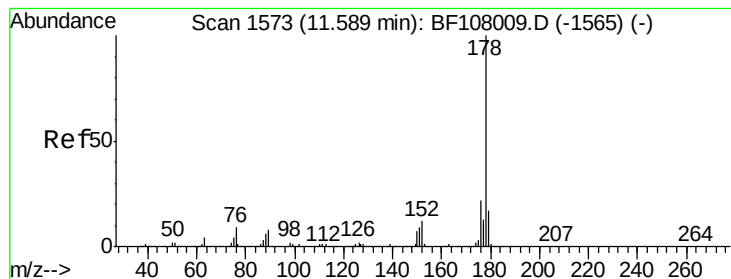
Tgt Ion:	165	Resp:	39048
Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

Tgt Ion:	188	Resp:	505384
Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.5	12.7#
80	8.6	9.2	13.8#





#70

Phenanthrene

Concen: 6.821 ng

RT: 11.57 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Instrument :

BNA_F

ClientSampleId :

CL-01-082018-D

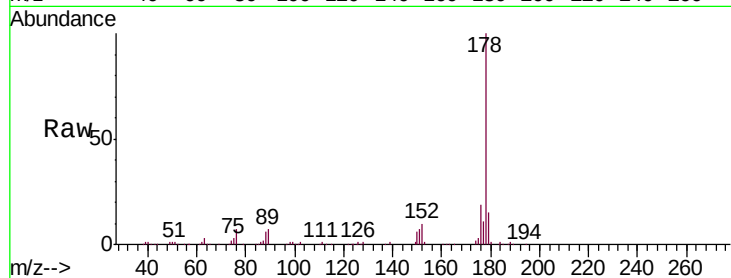
Tgt Ion:178 Resp: 162596

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

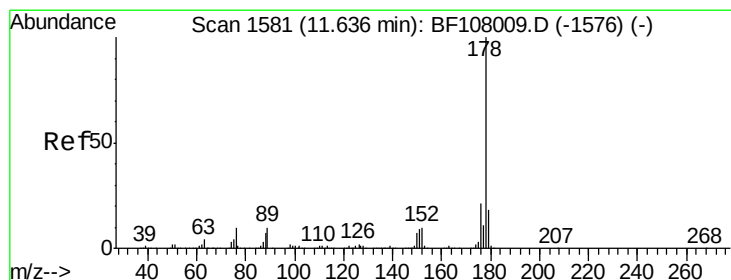
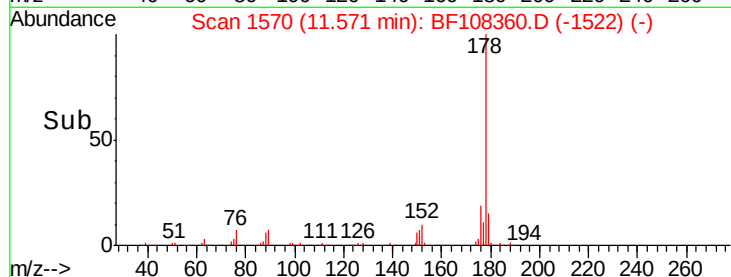
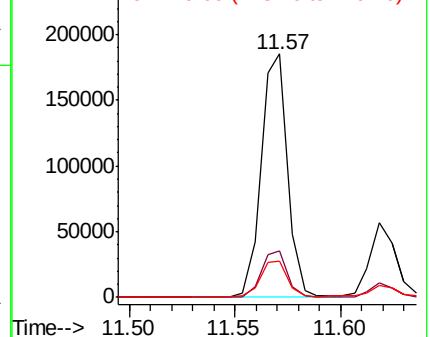
179 14.8 13.0 19.6



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: 2.012 ng

RT: 11.62 min Scan# 1578

Delta R.T. -0.02 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

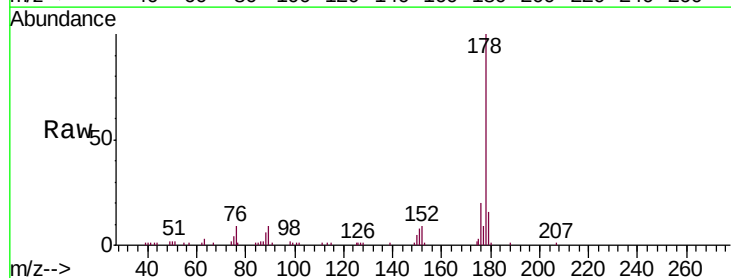
Tgt Ion:178 Resp: 49162

Ion Ratio Lower Upper

178 100

176 20.1 15.4 23.2

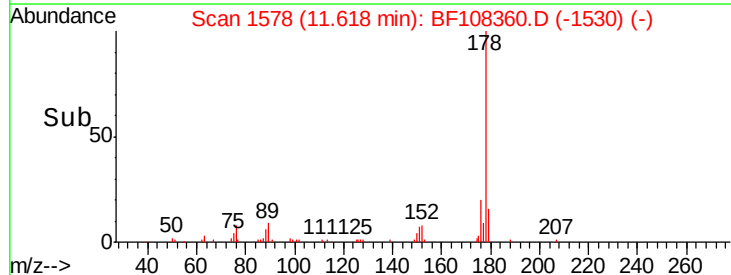
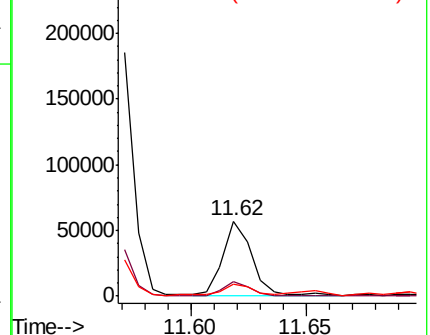
179 16.0 12.6 19.0

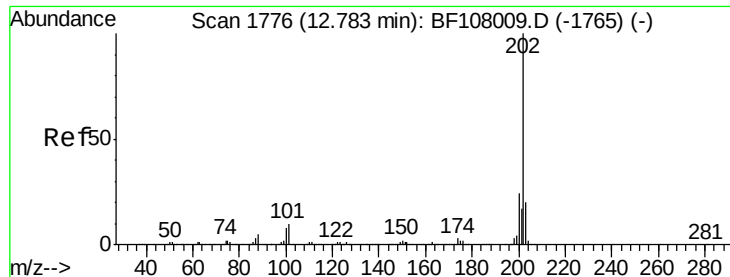


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 11.625 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.02 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

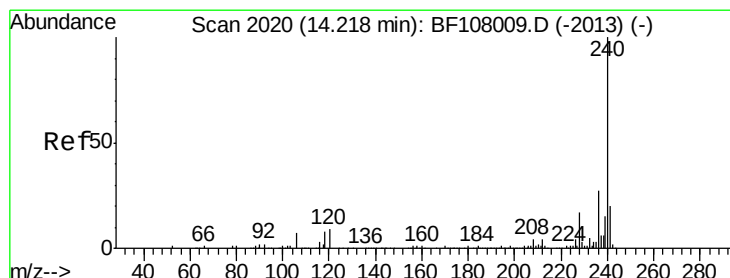
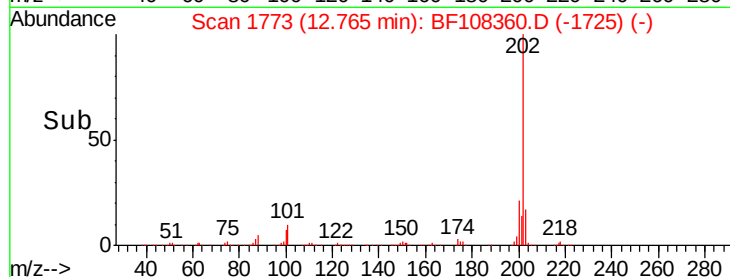
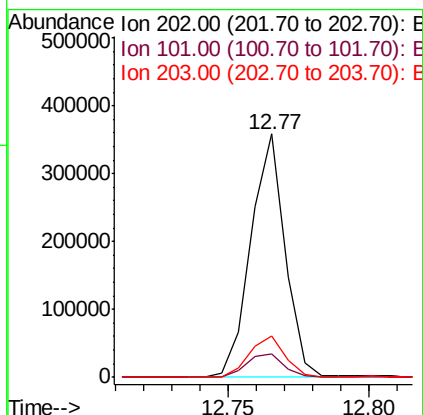
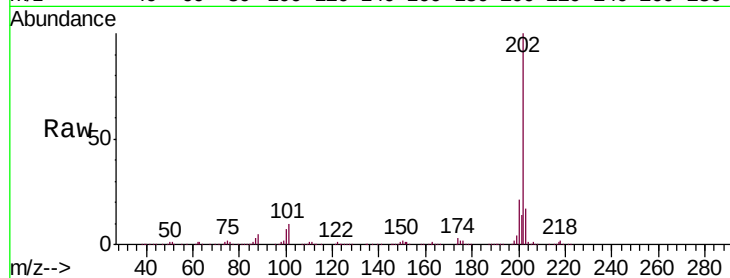
Instrument :

BNA_F

ClientSampleId :

CL-01-082018-D

Tgt Ion:	202	Resp:	302431
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	34.1
203	17.0	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

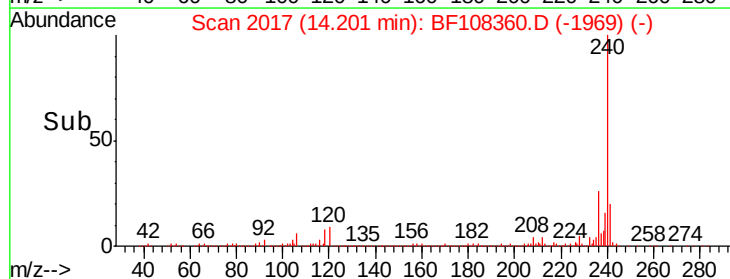
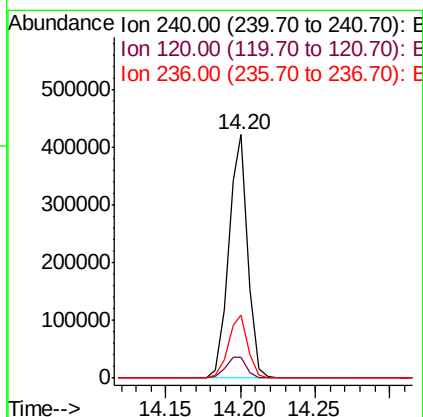
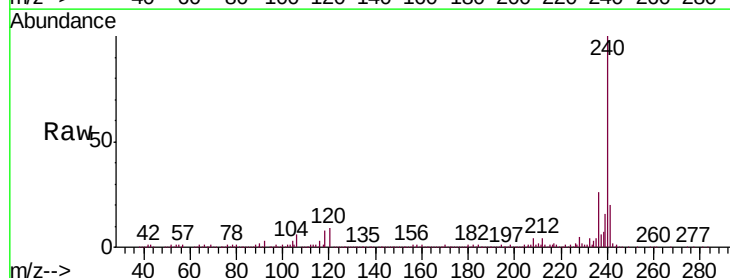
RT: 14.20 min Scan# 2017

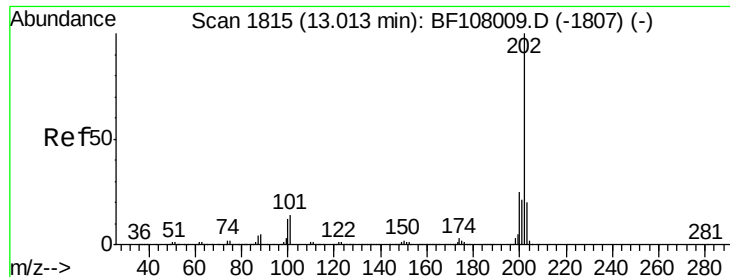
Delta R.T. -0.02 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Tgt Ion:	240	Resp:	379693
Ion Ratio	Lower	Upper	
240	100		
120	8.8	9.5	14.3#
236	25.9	20.7	31.1

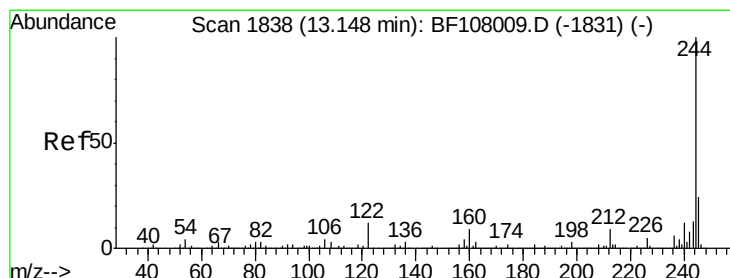
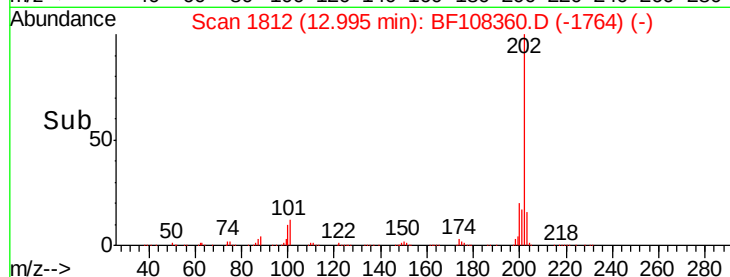
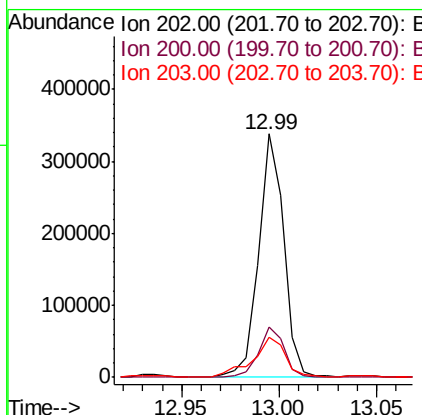
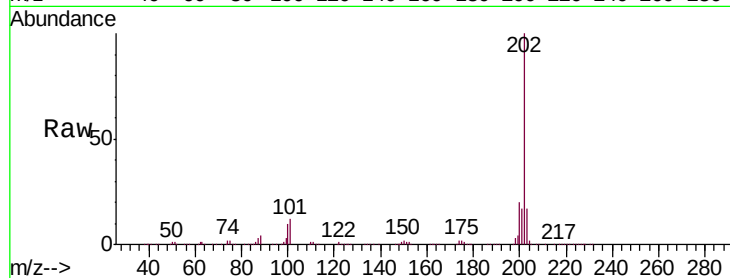




#77
 Pyrene
 Concen: 12.510 ng
 RT: 12.99 min Scan# 1812
 Delta R.T. -0.02 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

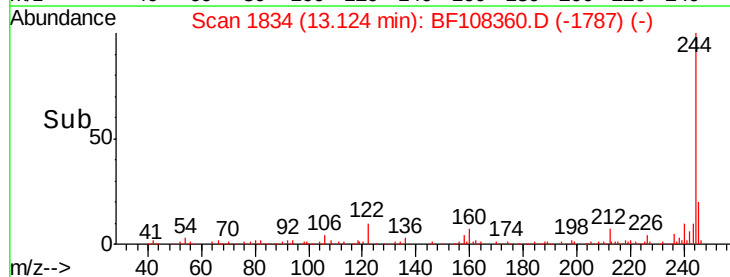
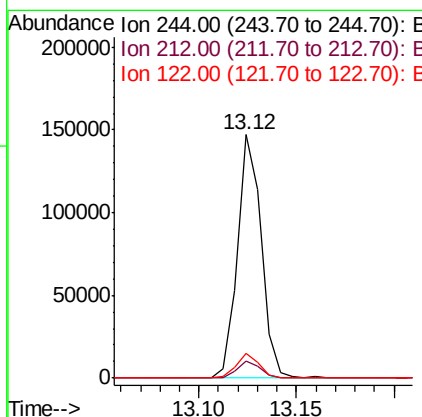
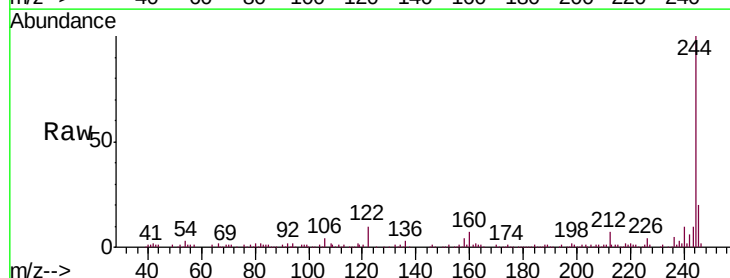
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-D

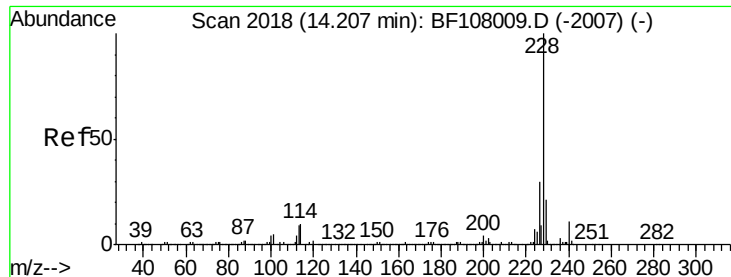
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	16.6	14.3	21.5



#78
 Terphenyl-d14
 Concen: 8.304 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.02 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.4	11.0	16.4#





#80

Benzo(a)anthracene

Concen: 6.596 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Instrument :

BNA_F

ClientSampleId :

CL-01-082018-D

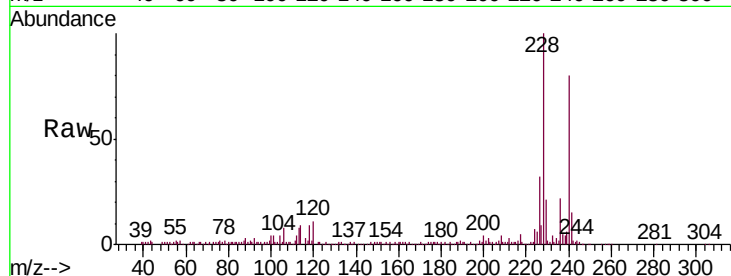
Tgt Ion:228 Resp: 143727

Ion Ratio Lower Upper

228 100

226 31.7 22.6 33.8

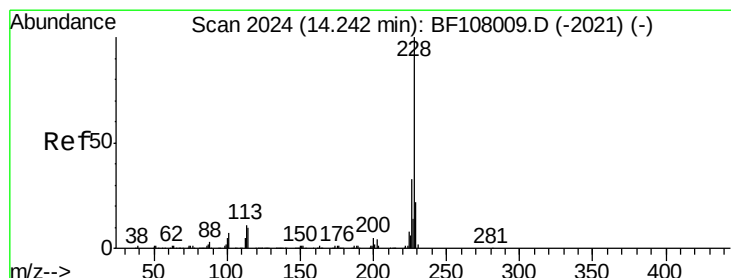
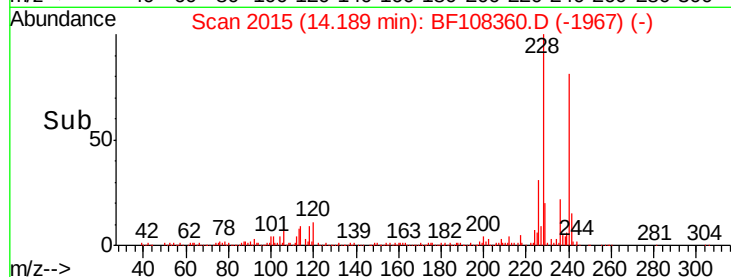
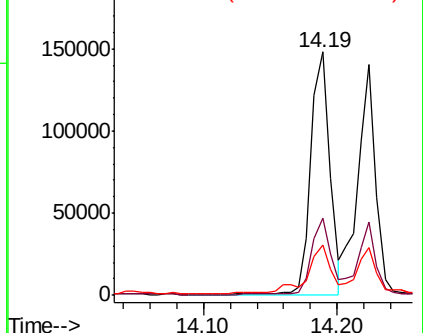
229 20.7 15.8 23.6



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: 6.578 ng

RT: 14.22 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

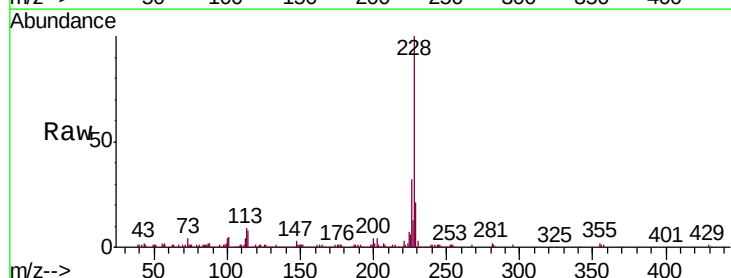
Tgt Ion:228 Resp: 131403

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

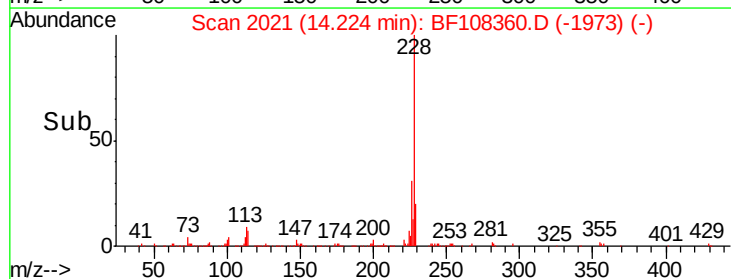
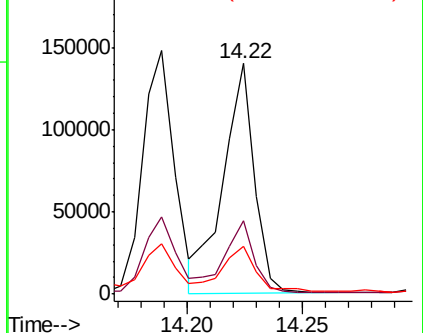
229 20.7 16.2 24.4

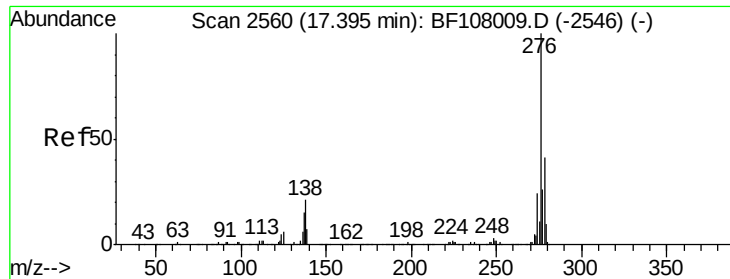


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

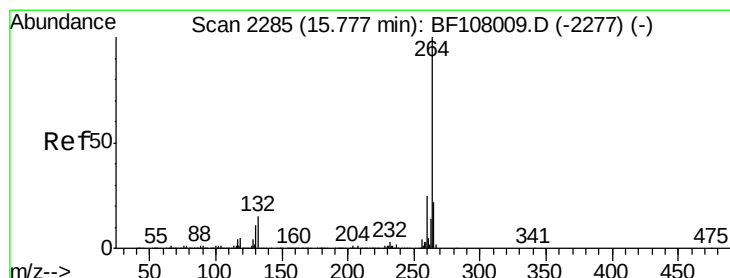
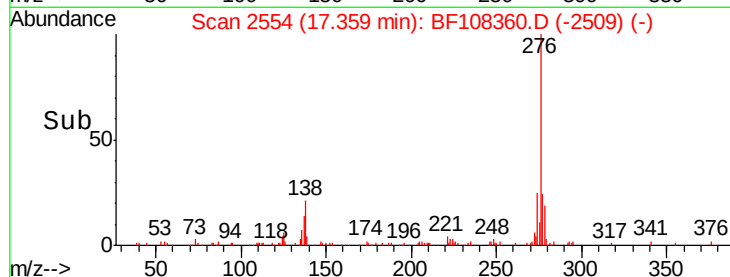
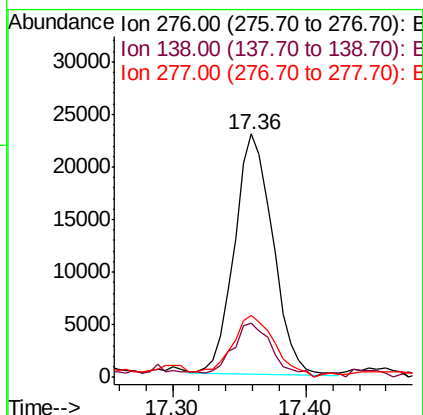
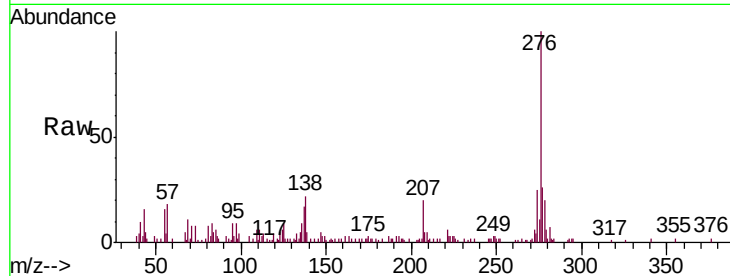




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.633 ng
 RT: 17.36 min Scan# 2554
 Delta R.T. -0.04 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

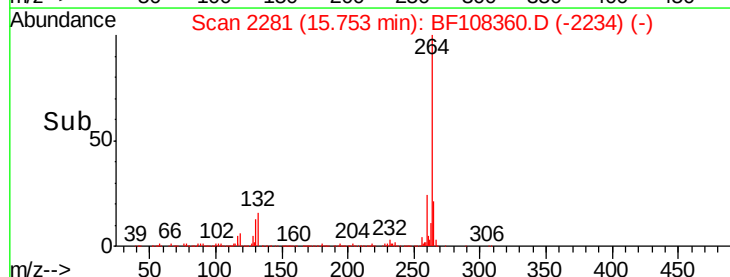
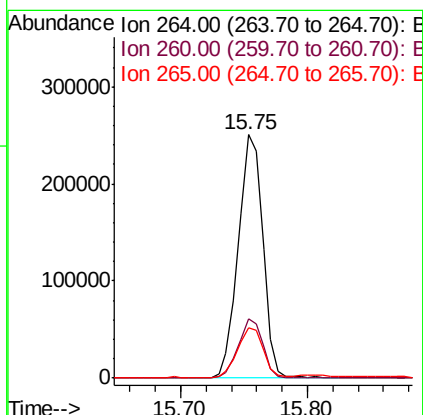
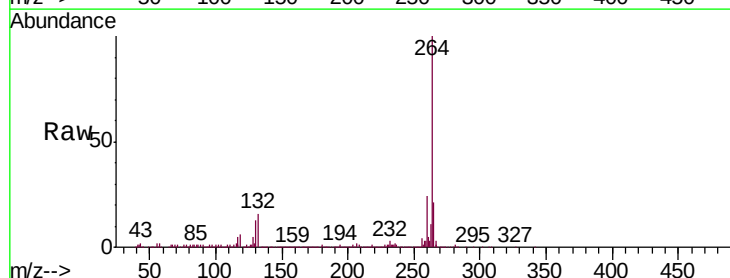
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-D

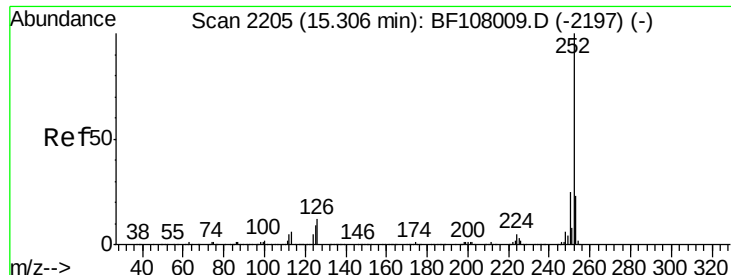
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.7	25.0	37.6#
277	29.2	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.75 min Scan# 2281
 Delta R.T. -0.02 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	20.8	17.5	26.3

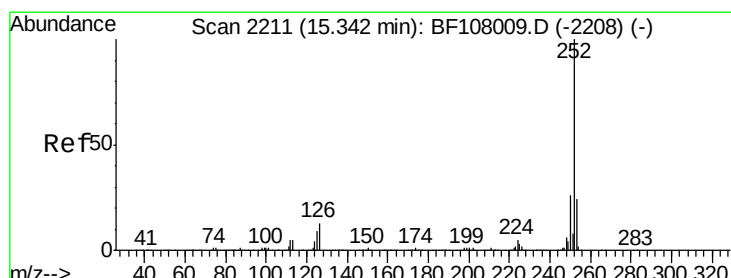
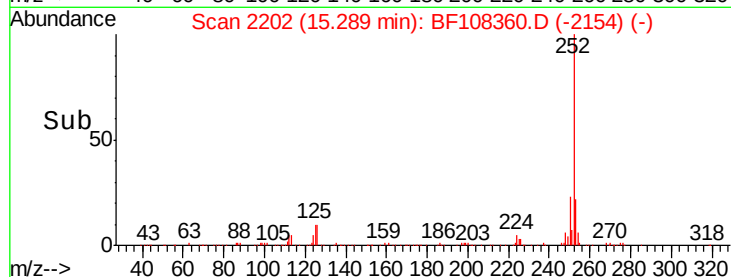
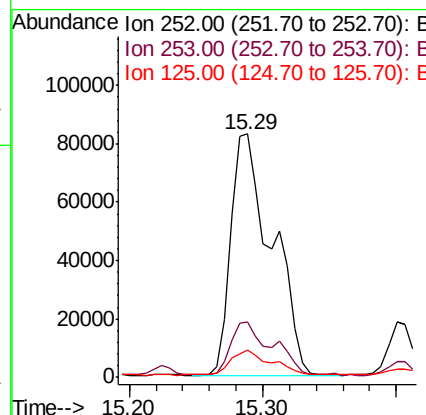
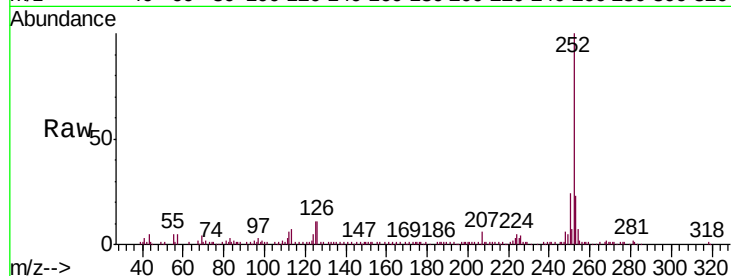




#87
 Benzo(b)fluoranthene
 Concen: 8.920 ng
 RT: 15.29 min Scan# 2202
 Delta R.T. -0.02 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

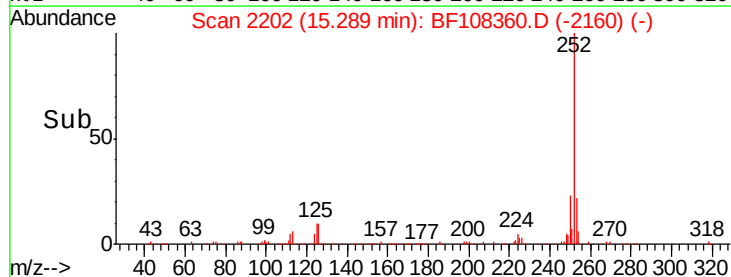
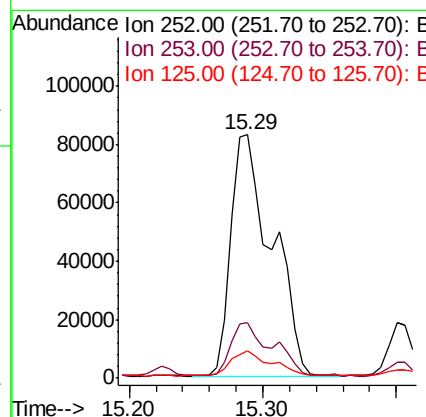
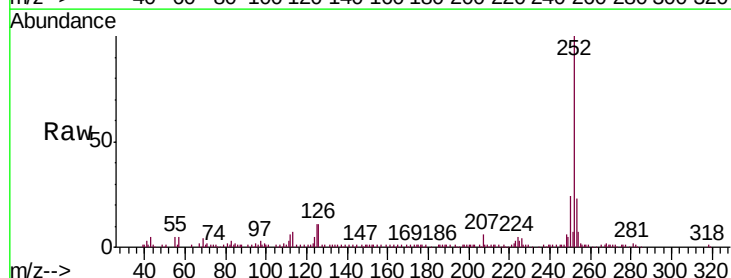
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-D

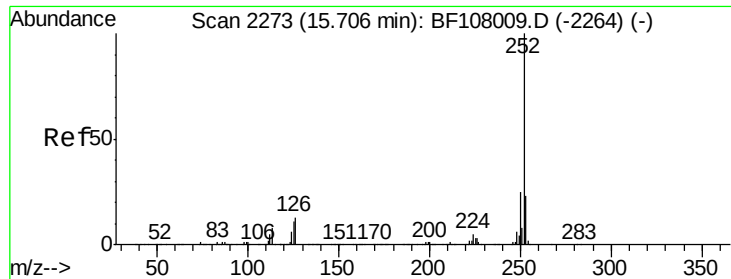
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.0	9.0	13.6



#88
 Benzo(k)fluoranthene
 Concen: 9.704 ng
 RT: 15.29 min Scan# 2202
 Delta R.T. -0.05 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	11.0	10.2	15.2





#89

Benzo(a)pyrene

Concen: 5.352 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.02 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Instrument :

BNA_F

ClientSampleId :

CL-01-082018-D

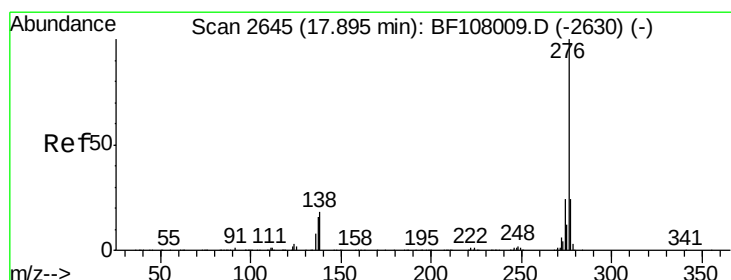
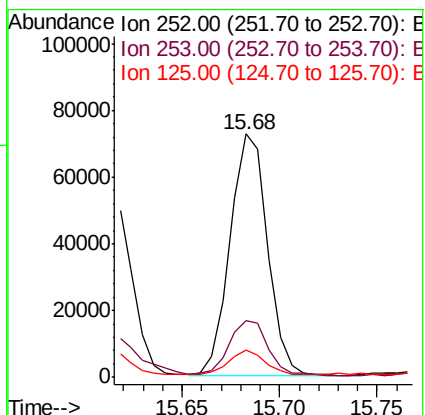
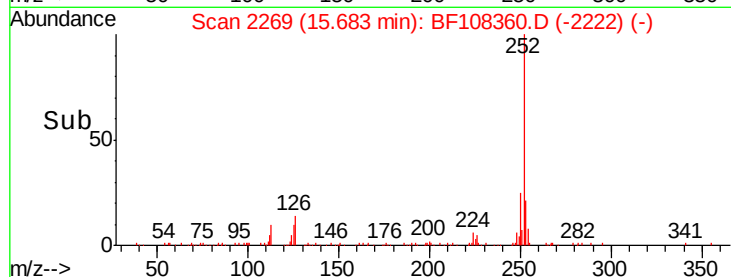
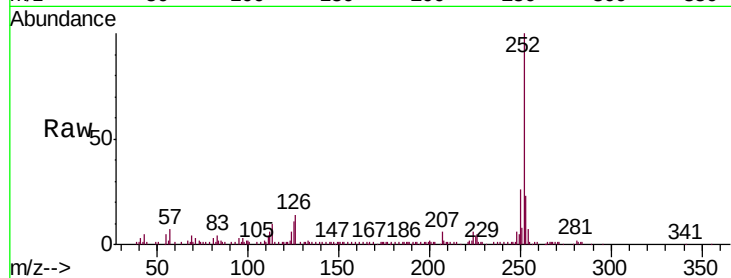
Tgt Ion: 252 Resp: 96525

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 11.4 9.8 14.6



#91

Benzo(g,h,i)perylene

Concen: 3.095 ng

RT: 17.85 min Scan# 2638

Delta R.T. -0.04 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Tgt Ion: 276 Resp: 45480

Ion Ratio Lower Upper

276 100

277 24.7 17.9 26.9

138 16.8 21.8 32.8#

