

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108199.D
 Acq On : 16 Aug 2018 17:09
 Operator : JU/SJ
 Sample : J4269-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 16 18:19:17 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	181691	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	662384	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	296410	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	460214	20.00	ng	0.00
75) Chrysene-d12	14.21	240	431895	20.00	ng	0.00
86) Perylene-d12	15.77	264	404371	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	927822	92.45	ng	0.01
7) Phenol-d6	6.64	99	1229020	92.16	ng	0.00
23) Nitrobenzene-d5	7.58	82	831974	70.09	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	267280	90.40	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1457371	78.94	ng	0.00
78) Terphenyl-d14	13.14	244	1133276	66.72	ng	0.00

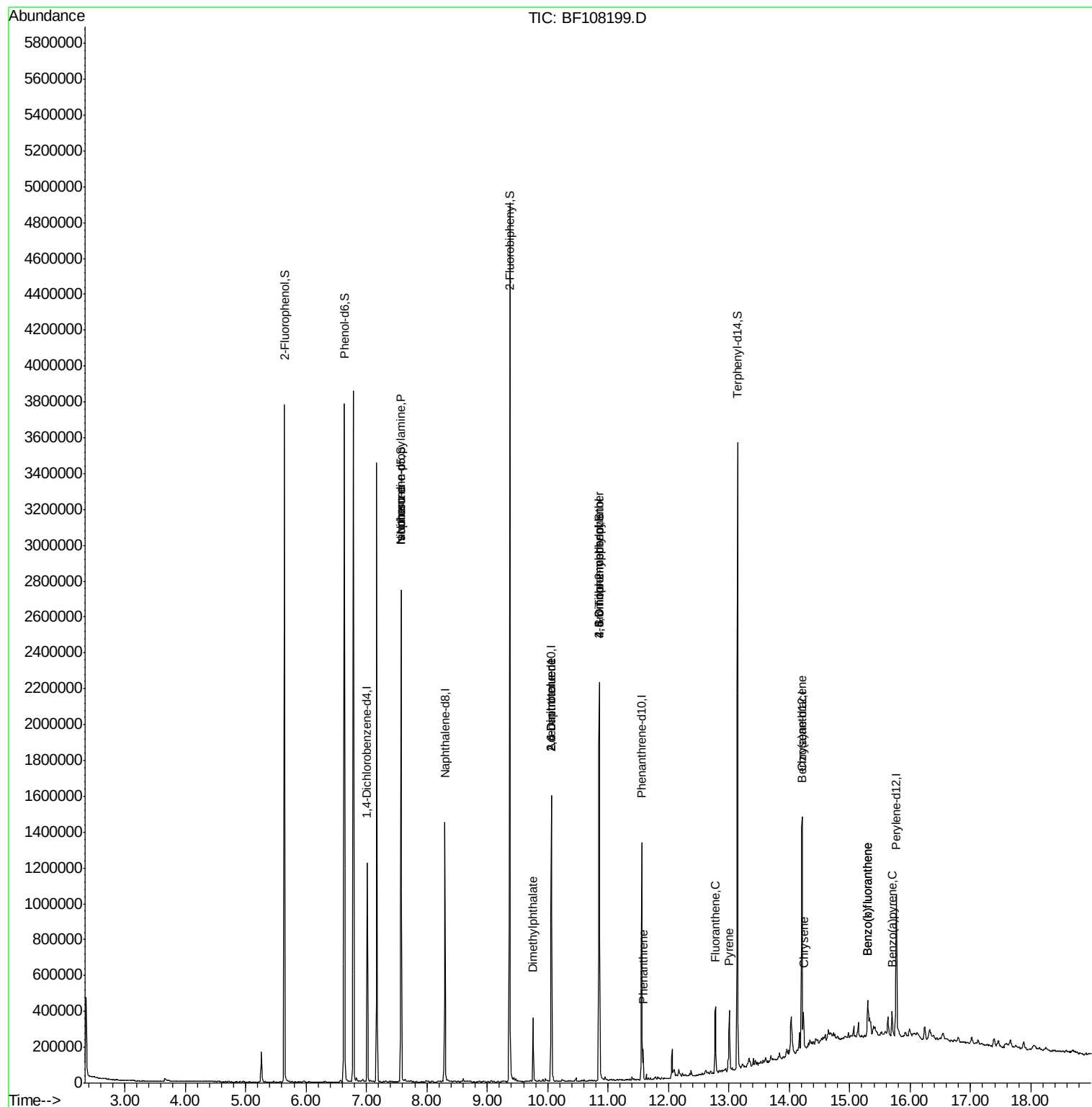
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	113916	12.632	ng	# 84
25) Isophorone	7.58	82	828701	36.627	ng	# 64
49) Dimethylphthalate	9.76	163	129378	6.266	ng	# 99
50) 2,6-Dinitrotoluene	10.06	165	38211	8.845	ng	# 25
56) 2,4-Dinitrotoluene	10.06	165	38211	6.872	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	545	5.639	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	17399	3.479	ng	# 1
70) Phenanthrene	11.58	178	54630	2.517	ng	99
74) Fluoranthene	12.78	202	148487	6.268	ng	93
77) Pyrene	13.01	202	128863	4.713	ng	97
80) Benzo(a)anthracene	14.20	228	72198	2.913	ng	96
82) Chrysene	14.24	228	79027	3.478	ng	97
87) Benzo(b)fluoranthene	15.30	252	153397	6.348	ng	96
88) Benzo(k)fluoranthene	15.30	252	153397	6.906	ng	96
89) Benzo(a)pyrene	15.70	252	69058	3.192	ng	95

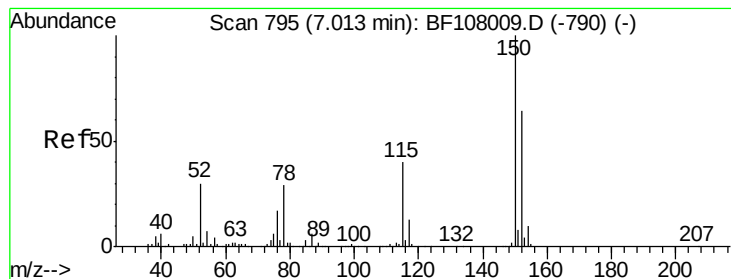
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
Data File : BF108199.D
Acq On : 16 Aug 2018 17:09
Operator : JU/SJ
Sample : J4269-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 16 18:19:17 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



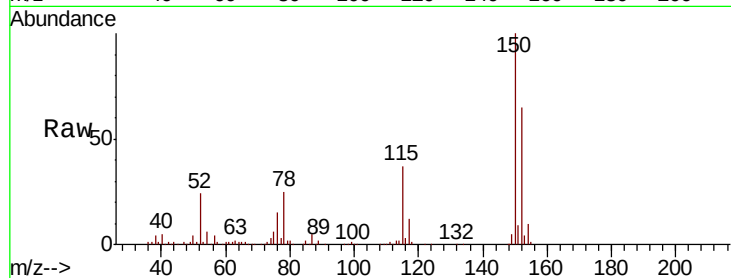


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.6	186.8
115	57.1	50.1	75.1

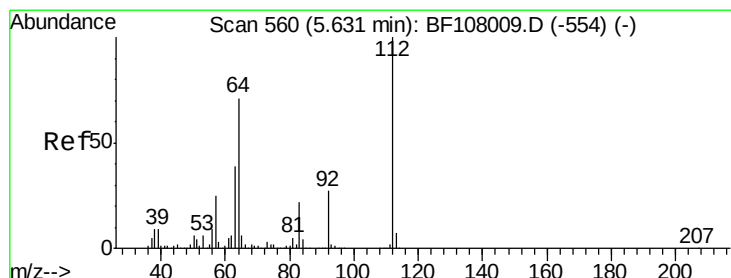
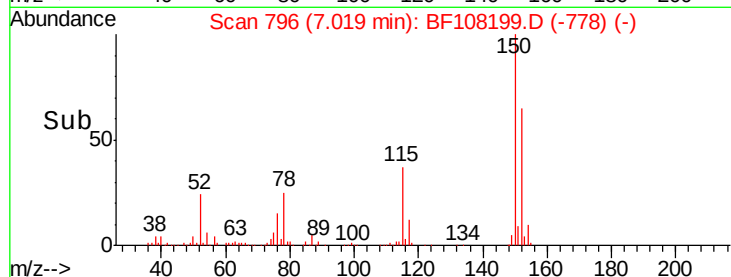
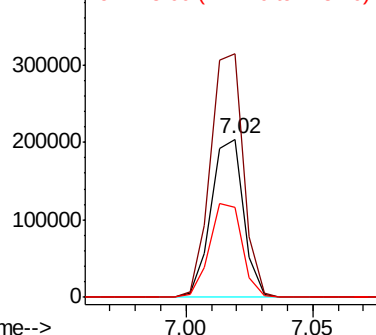


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

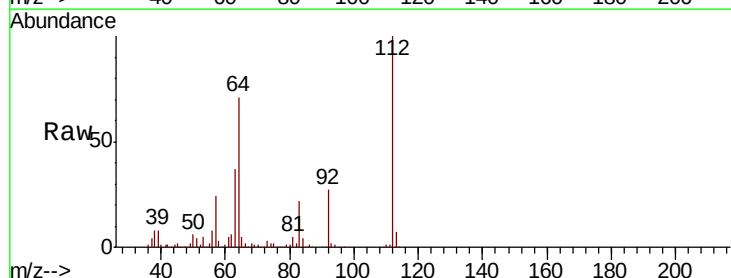
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.453 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.7	47.9	71.9
63	37.2	23.7	35.5

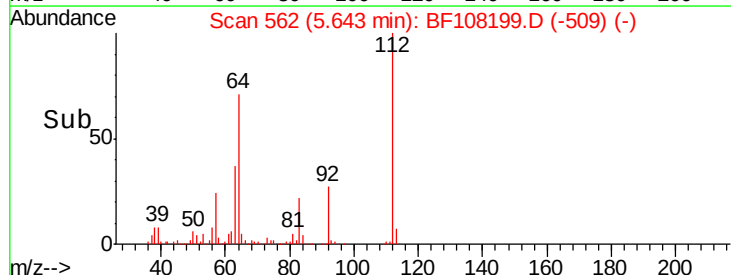
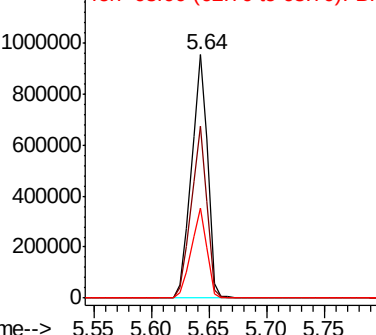


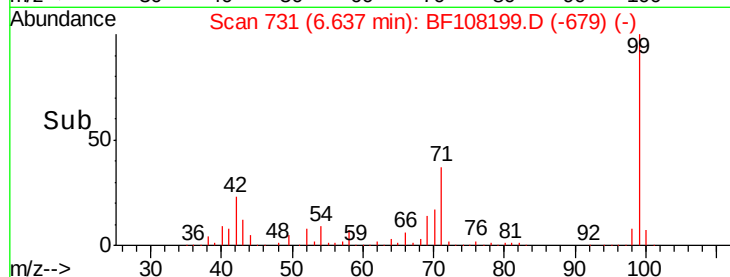
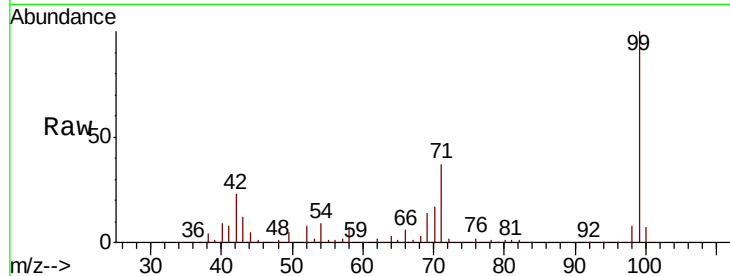
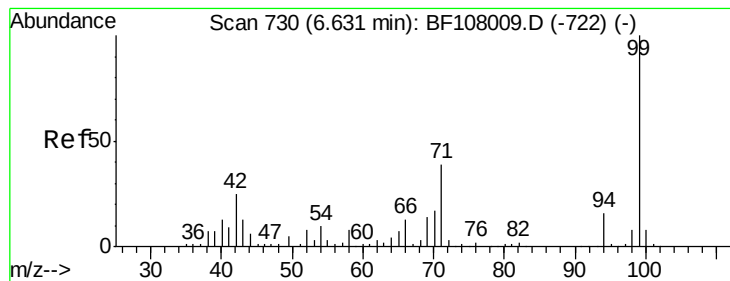
Abundance

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: 92.158 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

Instrument :

BNA_F

ClientSampleId :

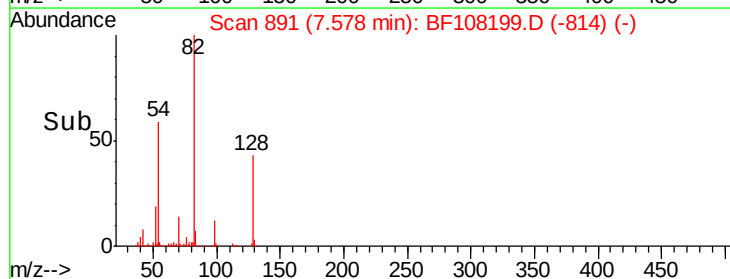
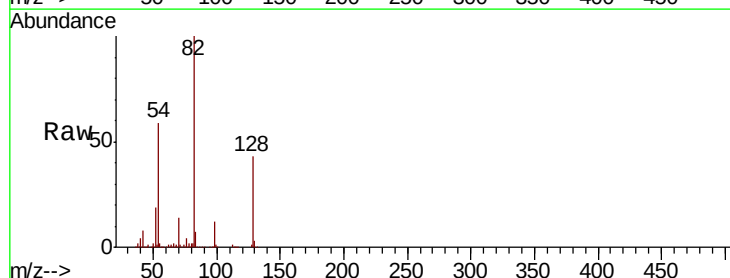
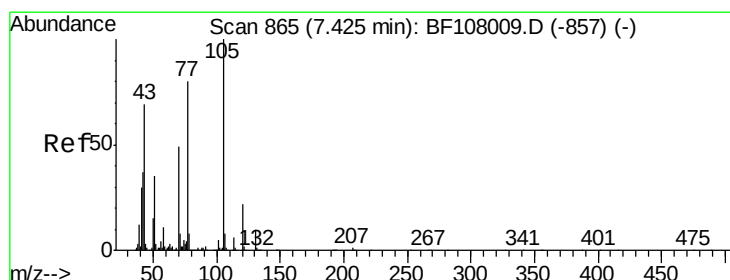
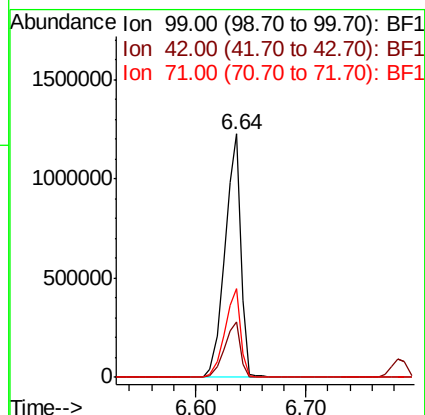
Tot Ion: 99 Resp: 1229020

Ion Ratio Lower Upper

99 100

42 22.9 14.5 21.7#

71 36.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.632 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

Tgt Ion: 70 Resp: 113916

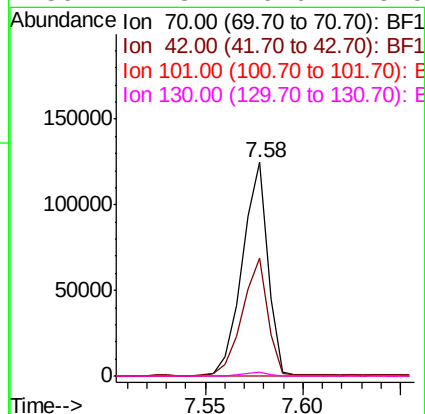
Ion Ratio Lower Upper

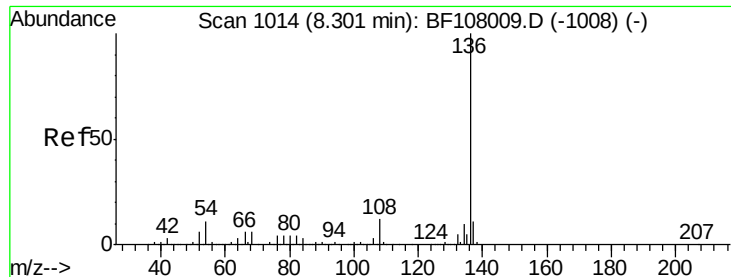
70 100

42 55.1 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

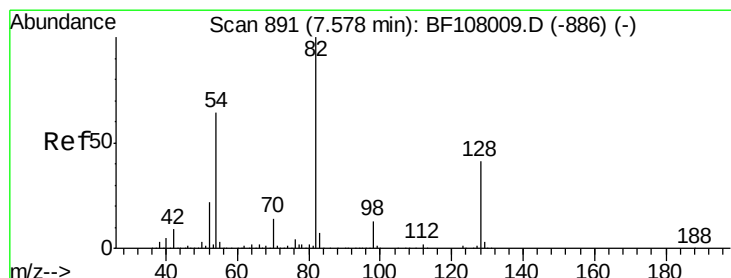
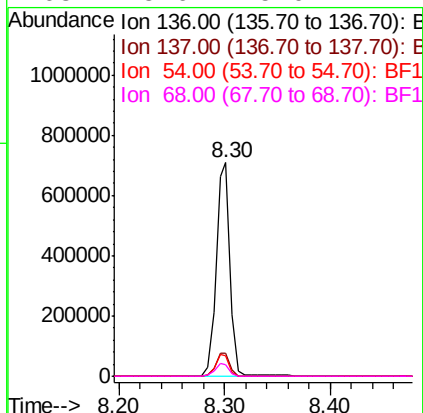
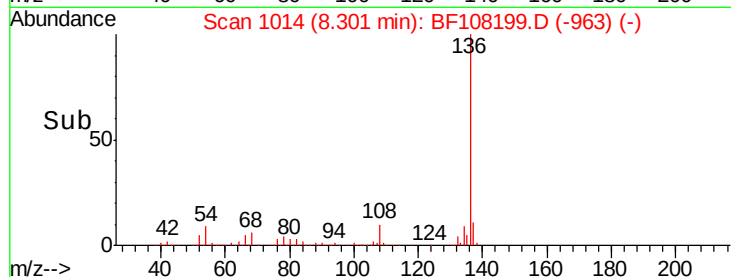
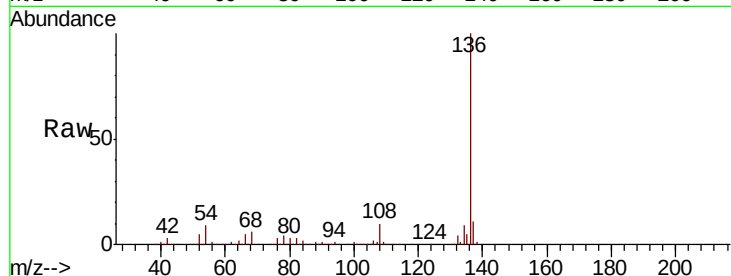




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

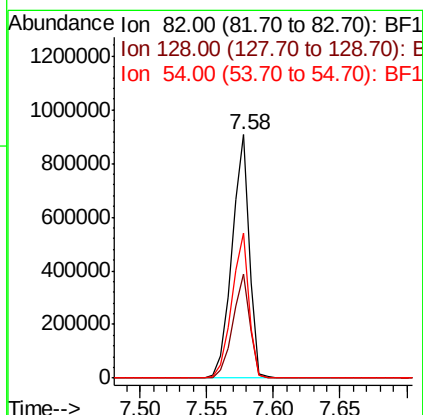
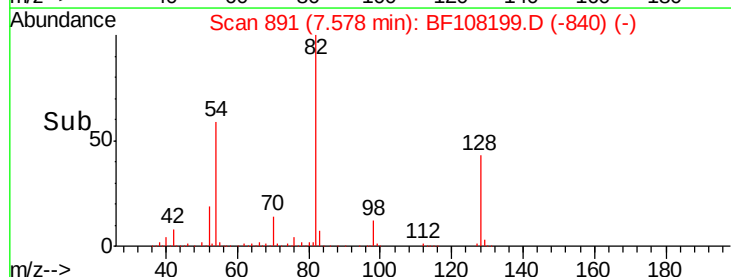
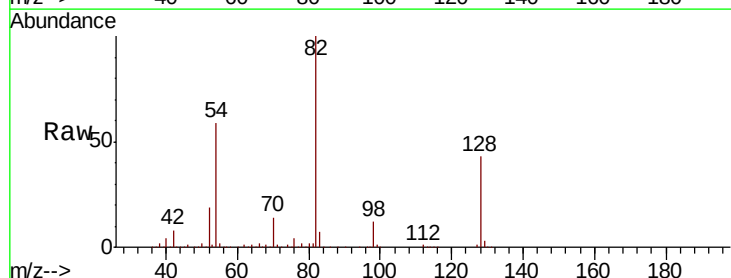
Instrument :
BNA_F
ClientSampleId :

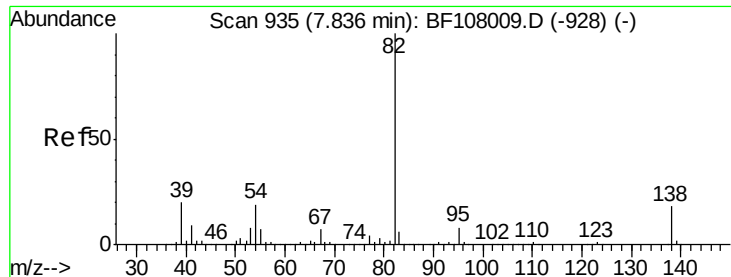
Tot Ion:136	Resp:	662384	
Ion Ratio	Lower	Upper	
136 100			
137 10.7	8.9	13.3	
54 9.4	6.6	9.8	
68 5.6	5.0	7.4	



#23
Nitrobenzene-d5
Concen: 70.088 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

Tgt Ion: 82	Resp: 831974
Ion Ratio	Lower Upper
82 100	
128 42.7	36.1 54.1
54 59.4	41.4 62.2

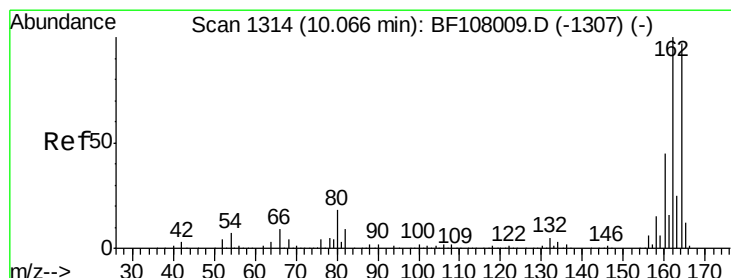
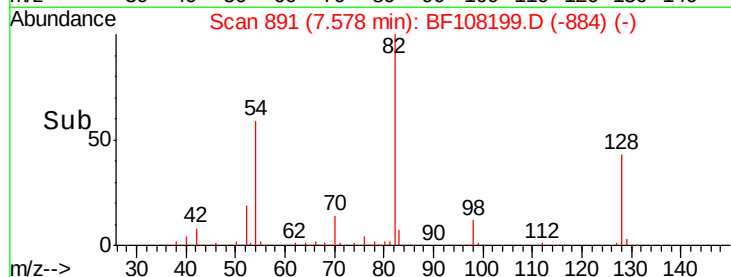
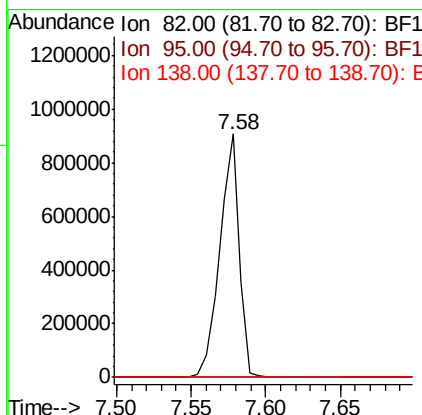
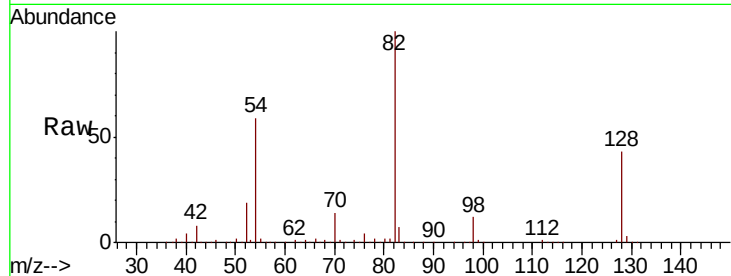




#25
Isophorone
Concen: 36.627 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.26 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

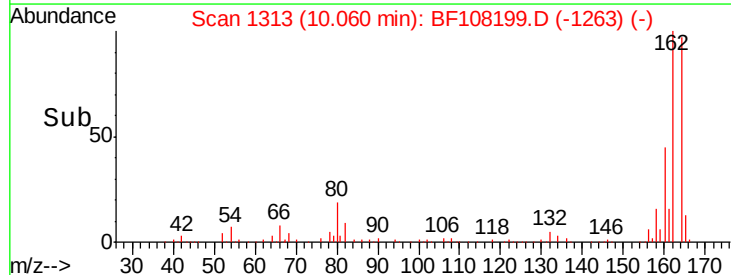
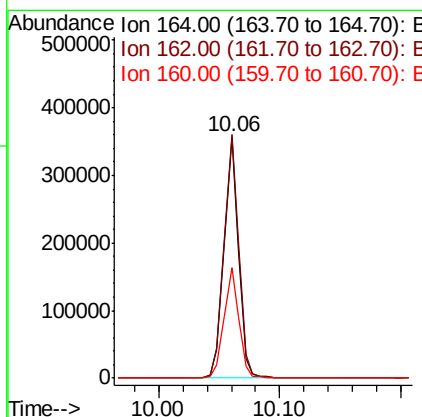
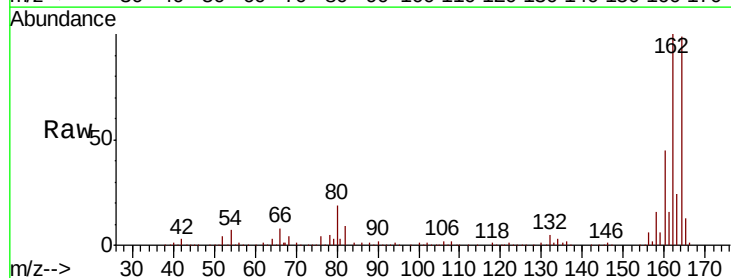
Instrument :
BNA_F
ClientSampled :

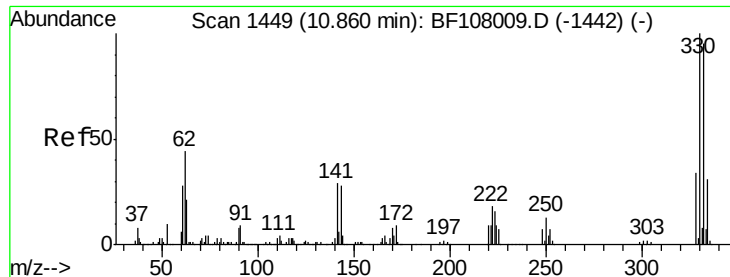
Tot Ion: 82 Resp: 828701
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

Tgt Ion:164 Resp: 296410
Ion Ratio Lower Upper
164 100
162 100.7 86.1 129.1
160 45.8 38.3 57.5

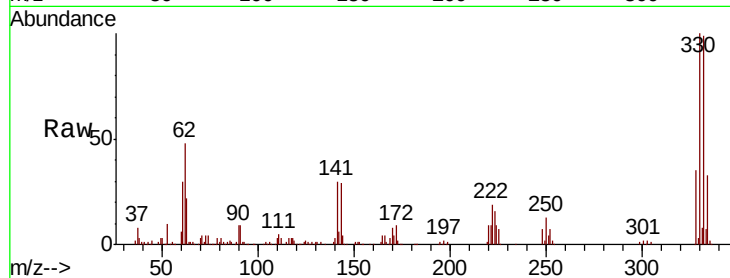




#41
 2,4,6-Tribromophenol
 Concen: 90.401 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108199.D
 Acq: 16 Aug 2018 17:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	33.0	29.9	44.9

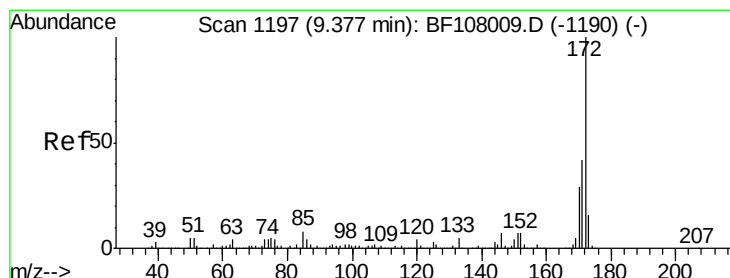
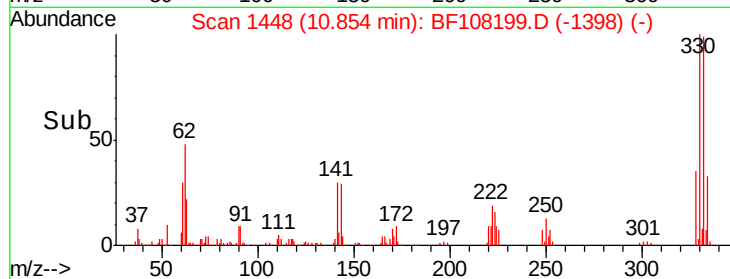
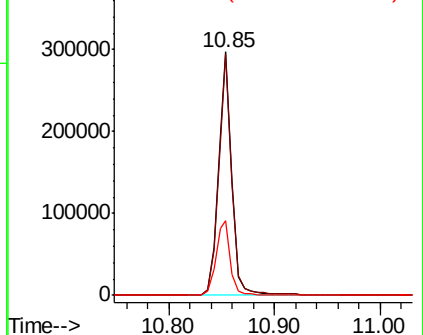


Abundance

Ion 329.80 (329.50 to 330.50): E

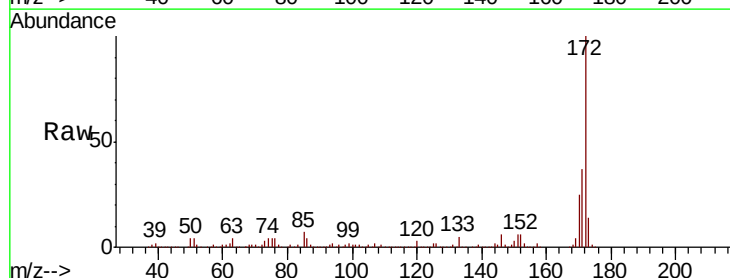
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 78.937 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108199.D
 Acq: 16 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.9	19.6	29.4

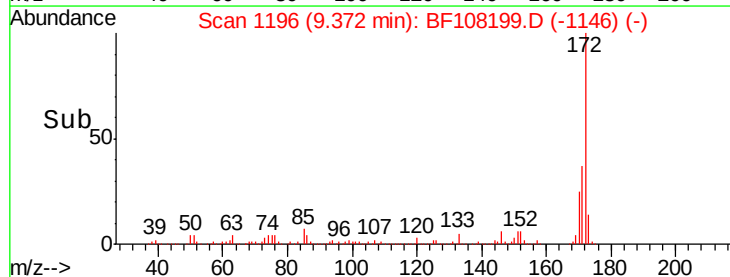
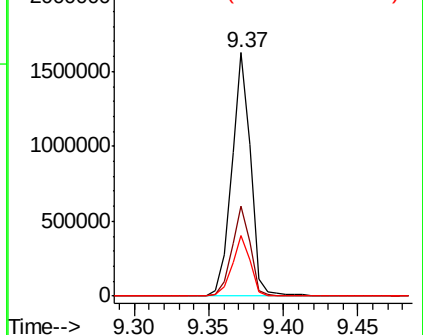


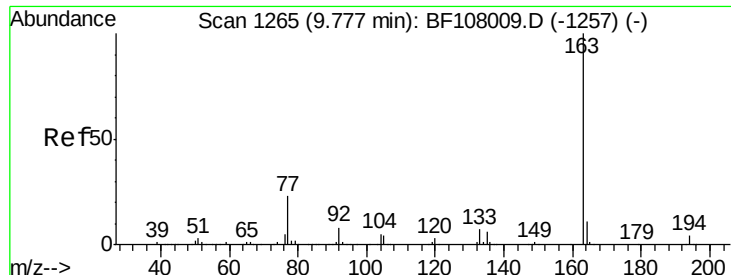
Abundance

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

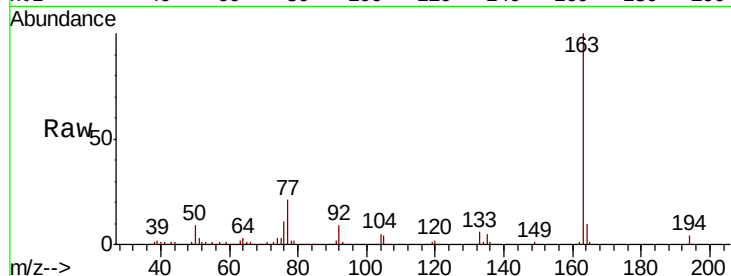




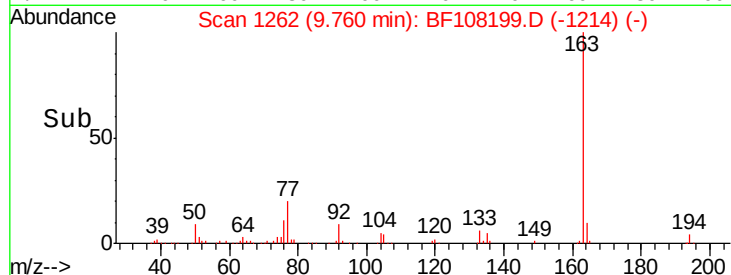
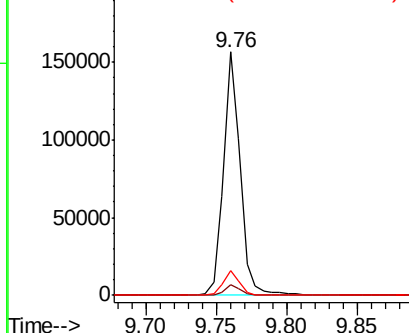
#49
Dimethylphthalate
Concen: 6.266 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	10.3	8.2	12.2

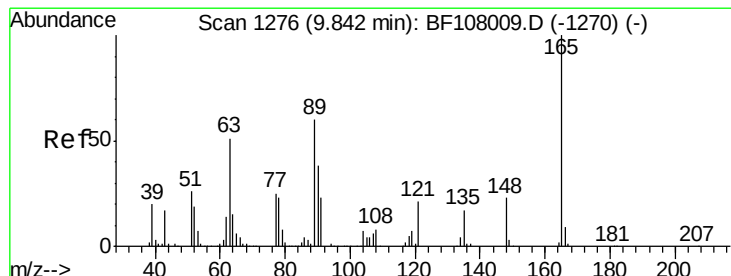


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

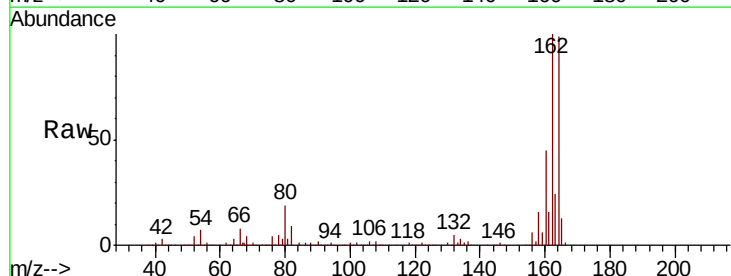
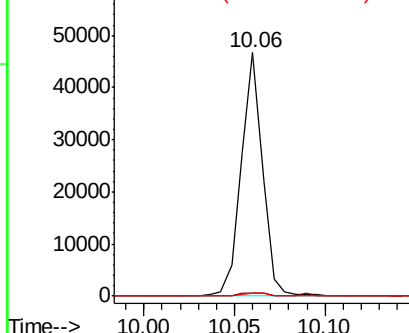


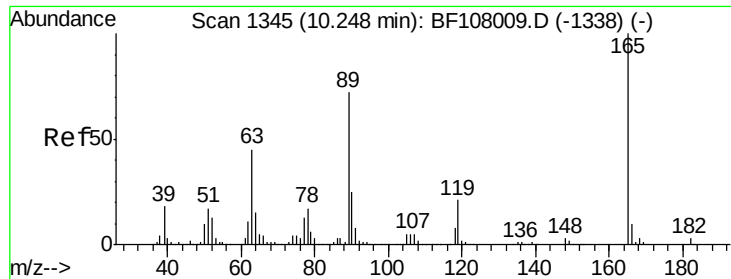
#50
2,6-Dinitrotoluene
Concen: 8.845 ng
RT: 10.06 min Scan# 1313
Delta R.T. 0.22 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	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

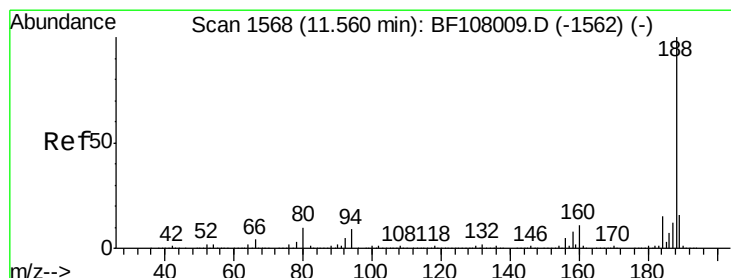
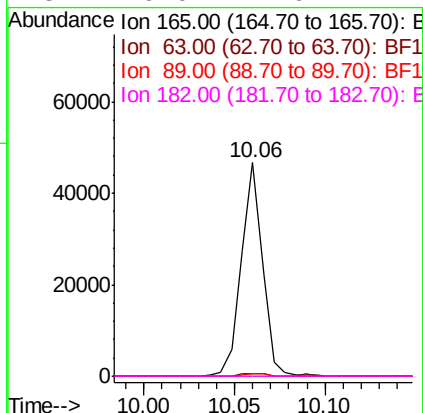
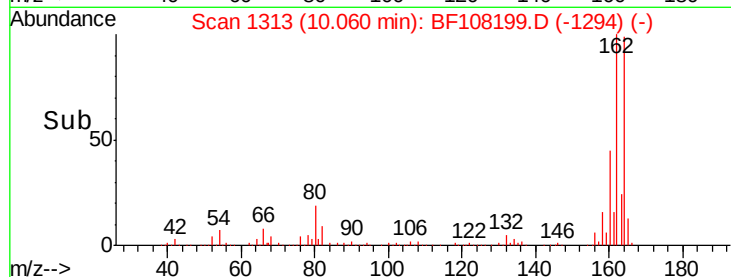
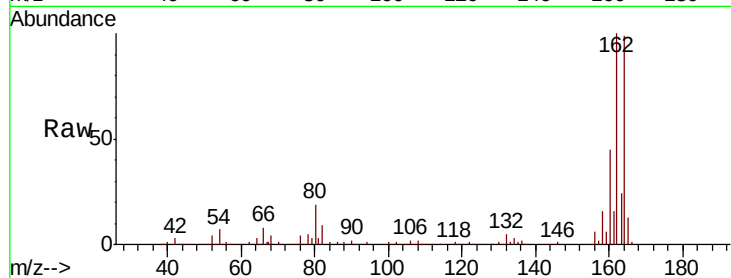




#56
2,4-Dinitrotoluene
Concen: 6.872 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

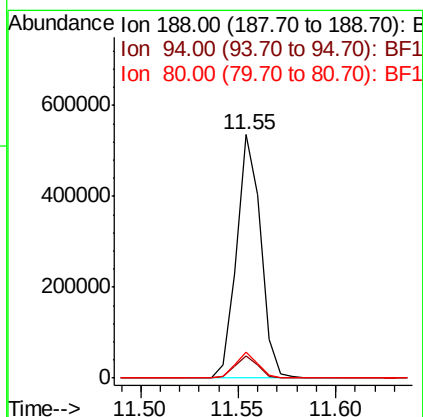
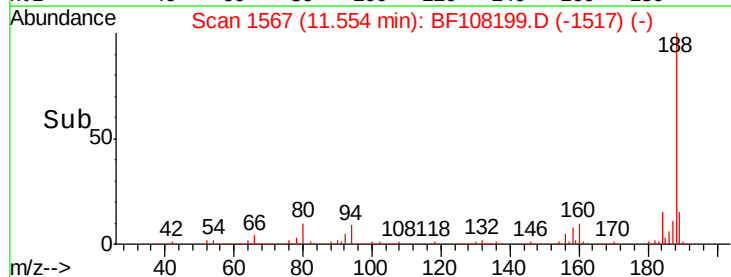
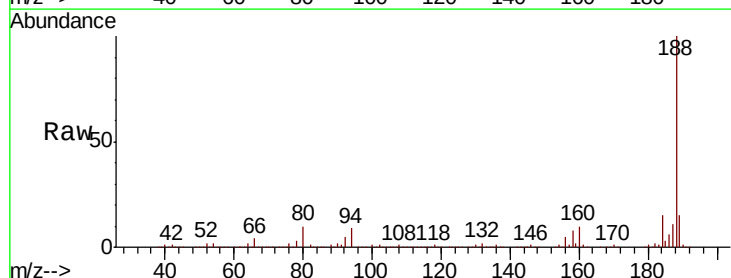
Instrument :
BNA_F
ClientSampleId :

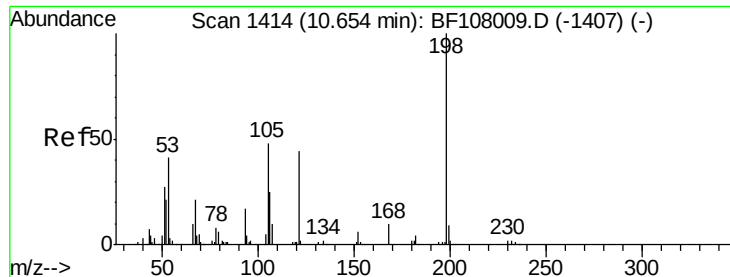
Tot Ion:165	Resp:	38211
Ion Ratio	Lower	Upper
165	100	
63	1.2	36.4 54.6#
89	1.0	57.8 86.6#
182	0.0	1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

Tgt Ion:188	Resp:	460214
Ion Ratio	Lower	Upper
188	100	
94	9.0	8.5 12.7
80	10.4	9.2 13.8

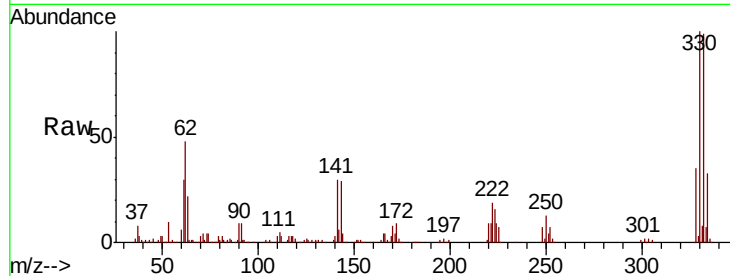




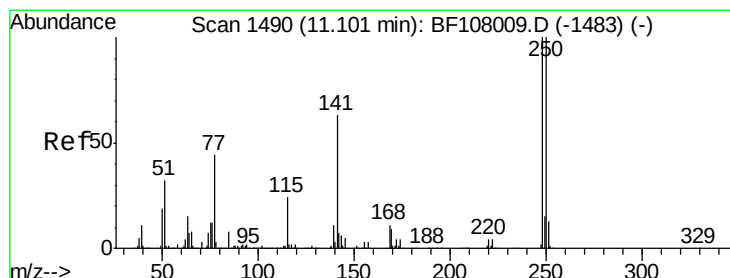
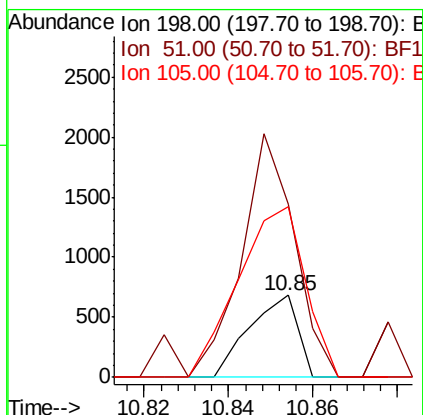
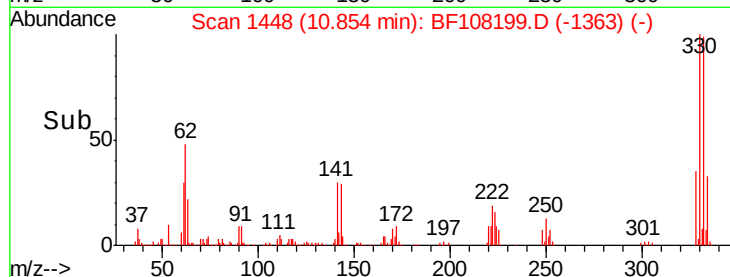
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.639 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF108199.D
 Acq: 16 Aug 2018 17:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 545
 Ion Ratio Lower Upper
 198 100
 51 211.6 37.7 77.7#
 105 208.2 36.3 76.3#

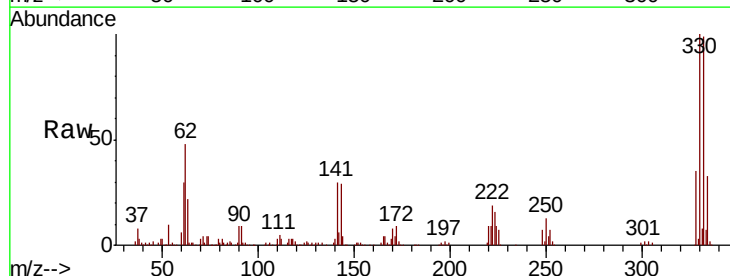


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

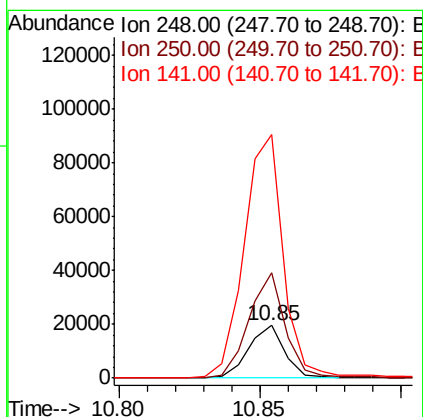
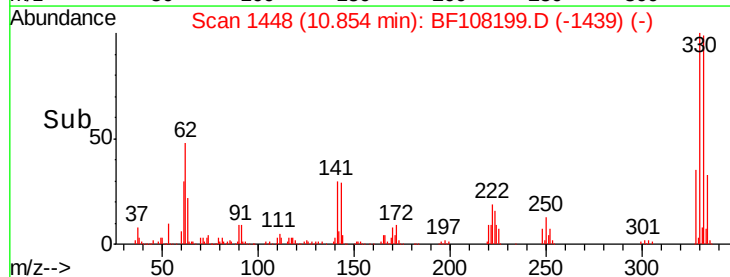


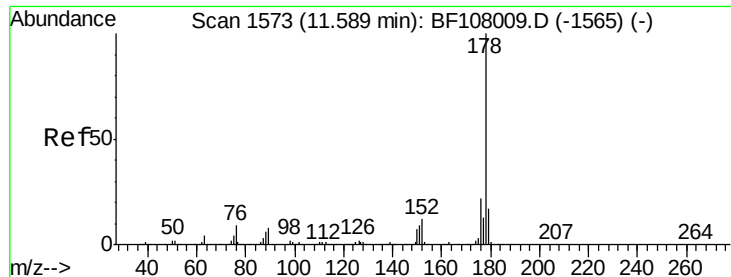
#66
 4-Bromophenyl-phenylether
 Concen: 3.479 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108199.D
 Acq: 16 Aug 2018 17:09

Tgt Ion:248 Resp: 17399
 Ion Ratio Lower Upper
 248 100
 250 199.9 76.9 115.3#
 141 463.4 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: 2.517 ng

RT: 11.58 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

Instrument :

BNA_F

ClientSampleId :

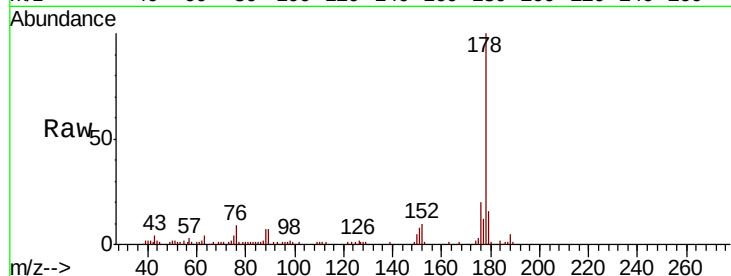
Tot Ion:178 Resp: 54630

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

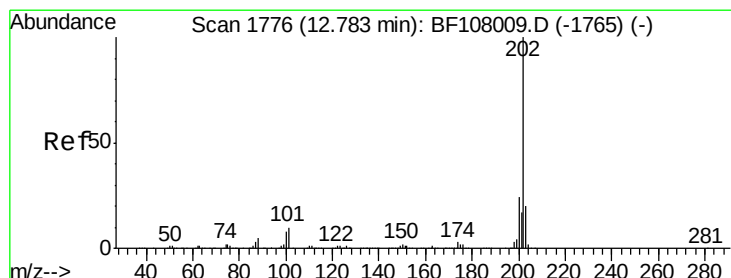
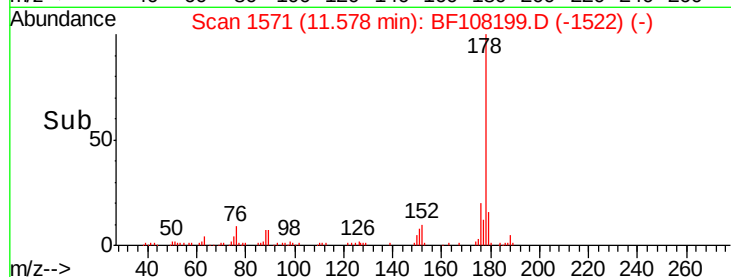
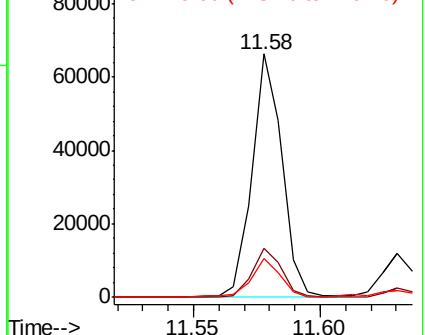
179 16.0 13.0 19.6



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



#74

Fluoranthene

Concen: 6.268 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

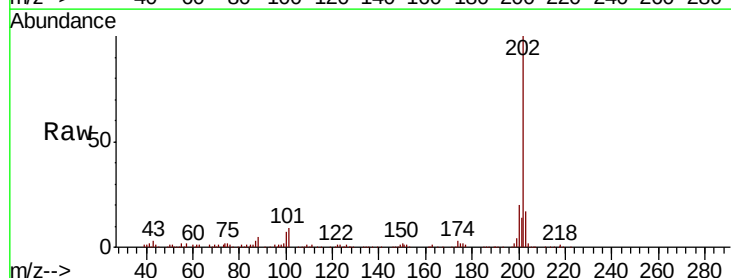
Tgt Ion:202 Resp: 148487

Ion Ratio Lower Upper

202 100

101 9.2 0.0 34.1

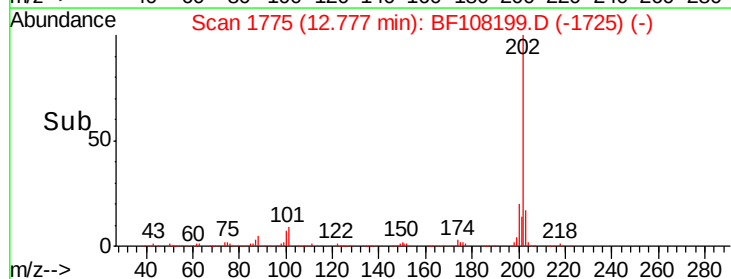
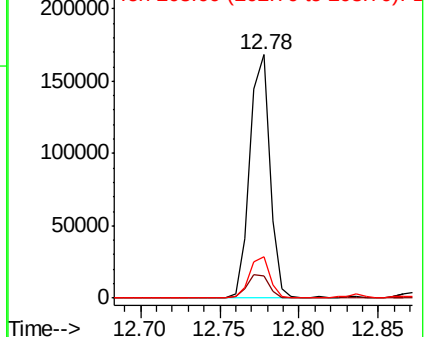
203 17.1 0.0 38.1

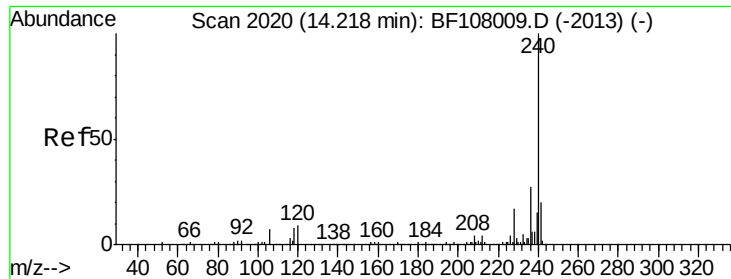


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2019

Delta R.T. -0.01 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

Instrument :

BNA_F

ClientSampleId :

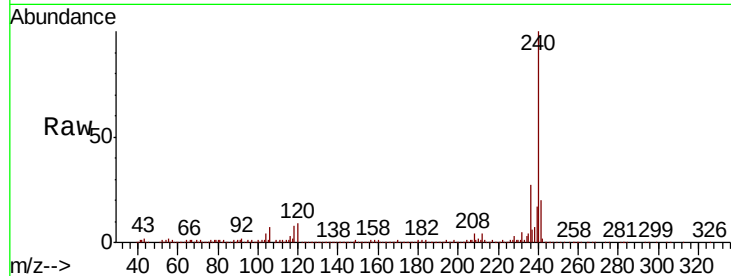
Tot Ion:240 Resp: 431895

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

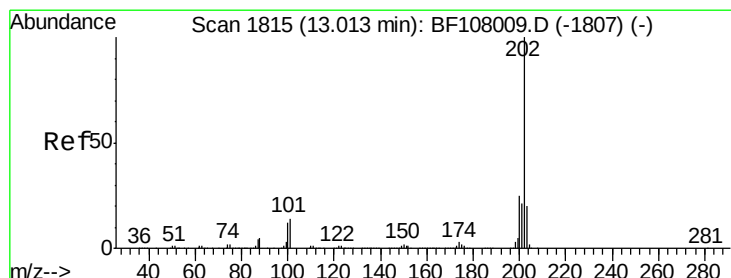
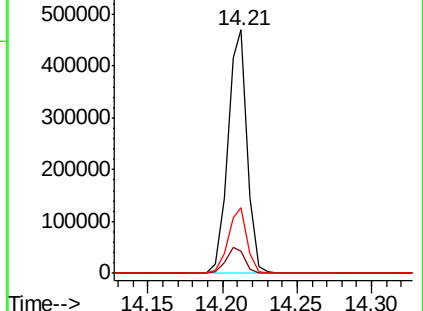
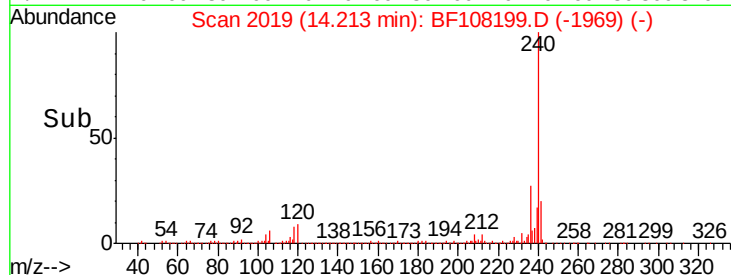
236 27.2 20.7 31.1



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: 4.713 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

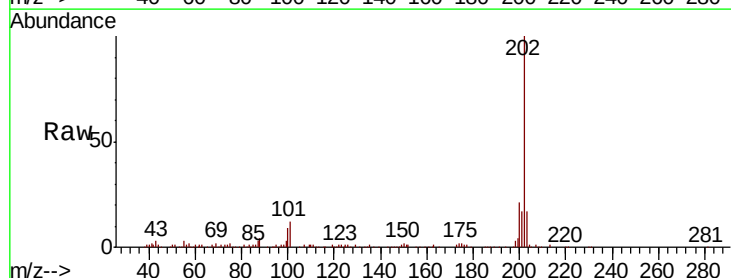
Tgt Ion:202 Resp: 128863

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

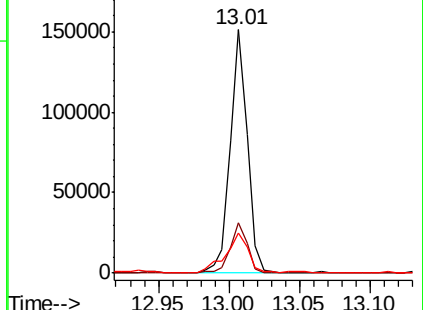
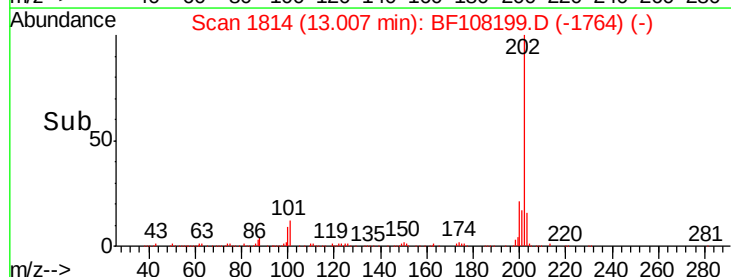
203 16.7 14.3 21.5

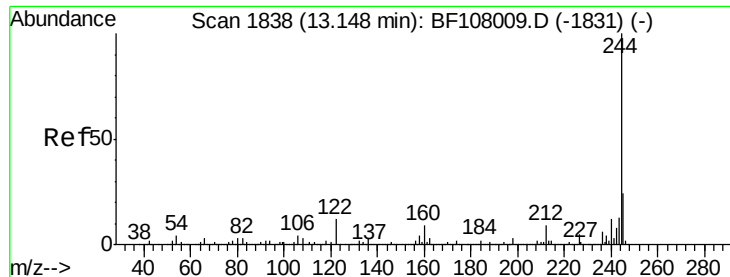


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.716 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

Instrument :

BNA_F

ClientSampleId :

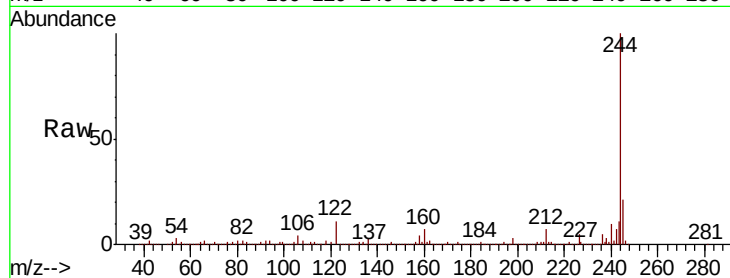
Tot Ion:244 Resp: 1133276

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

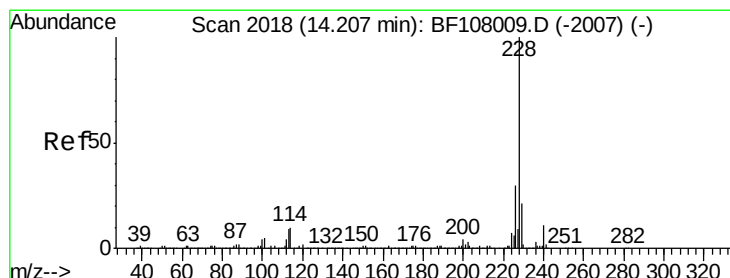
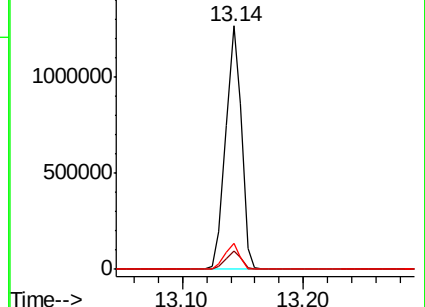
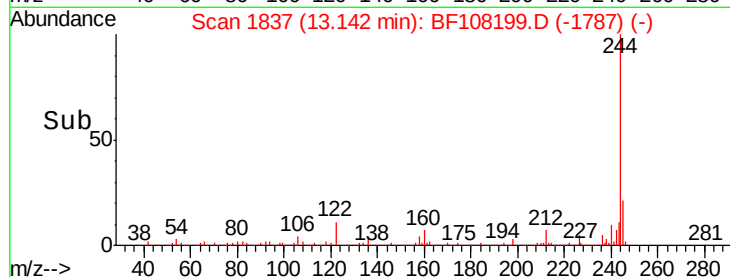
122 10.7 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.913 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

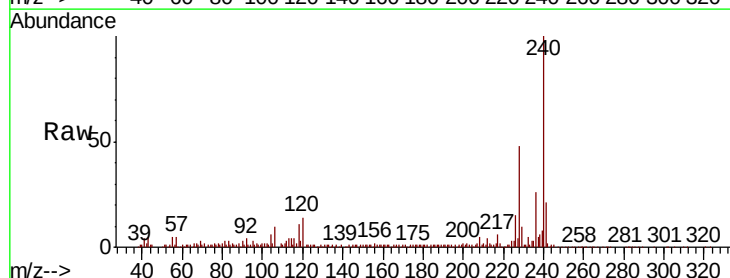
Tgt Ion:228 Resp: 72198

Ion Ratio Lower Upper

228 100

226 31.6 22.6 33.8

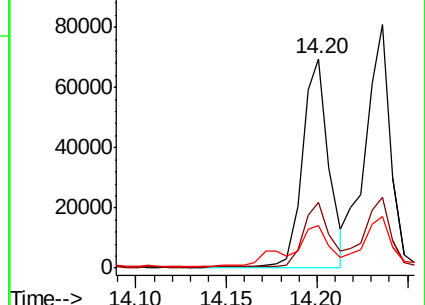
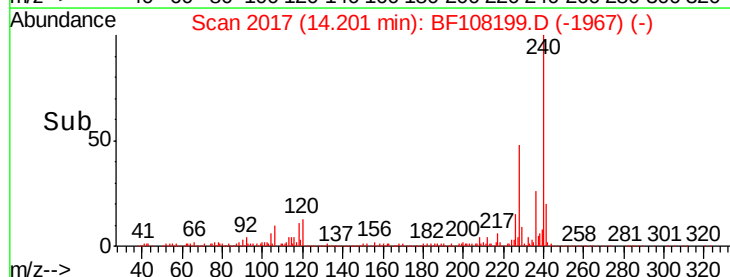
229 20.3 15.8 23.6

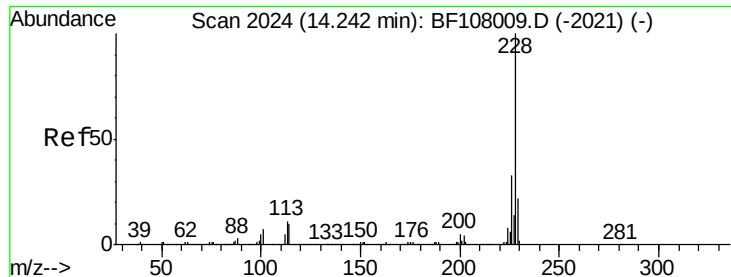


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

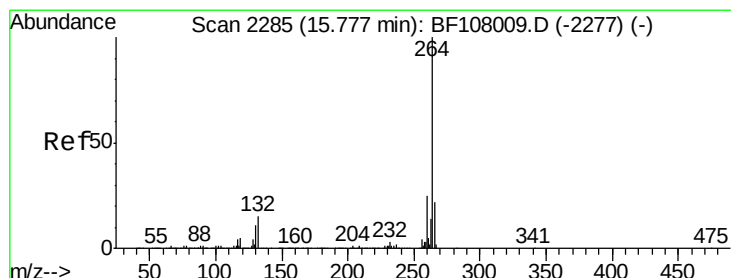
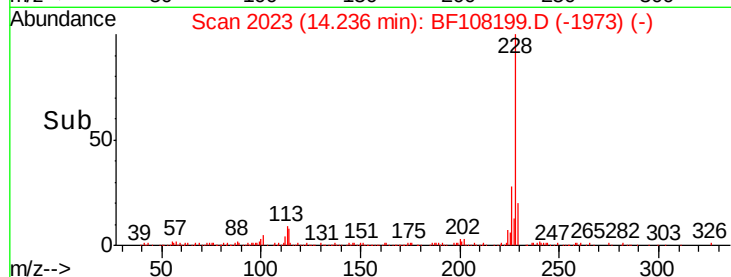
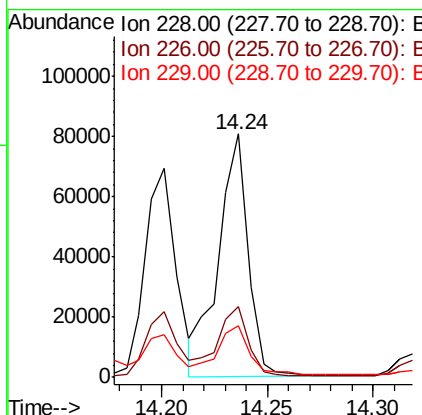
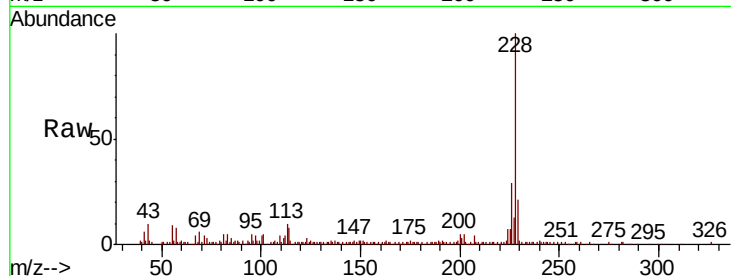




#82
Chrysene
Concen: 3.478 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

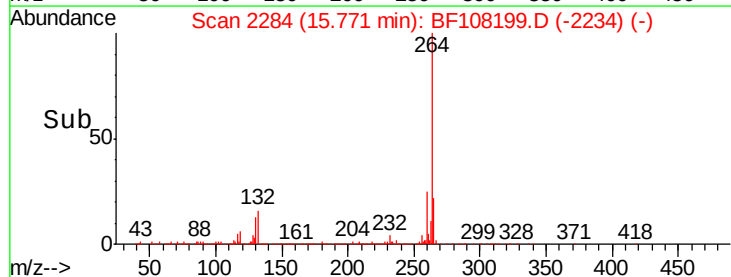
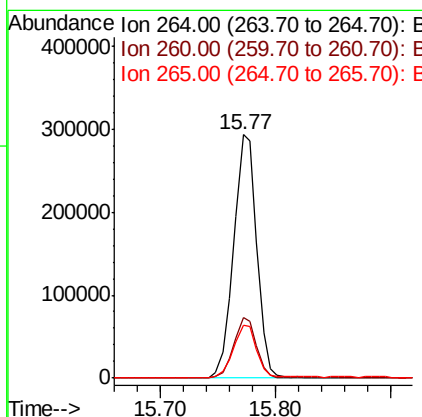
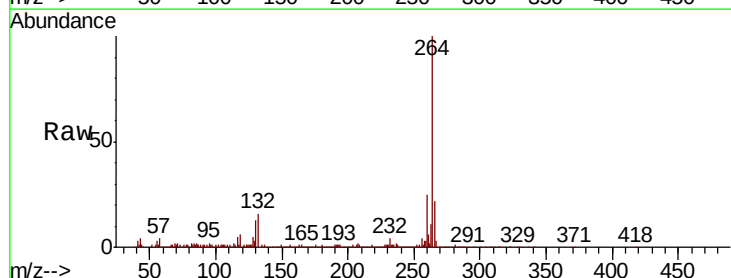
Instrument :
BNA_F
ClientSampleId :

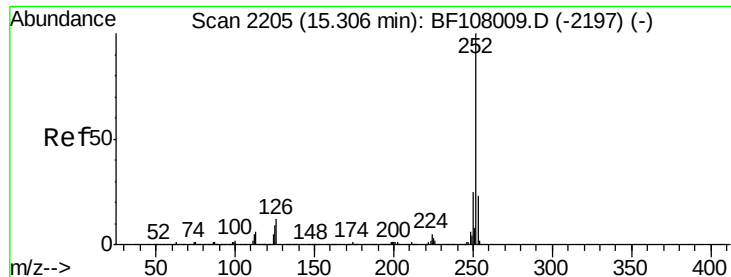
Tot Ion:228 Resp: 79027
Ion Ratio Lower Upper
228 100
226 29.0 25.0 37.6
229 21.1 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

Tgt Ion:264 Resp: 404371
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 22.0 17.5 26.3

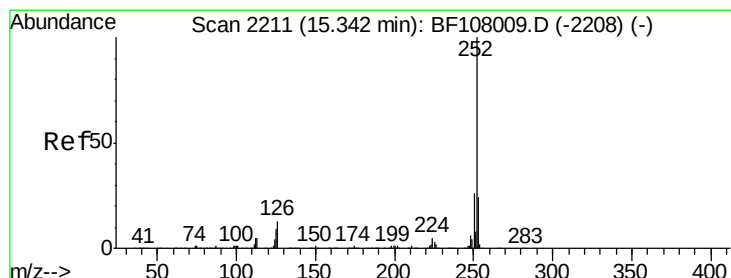
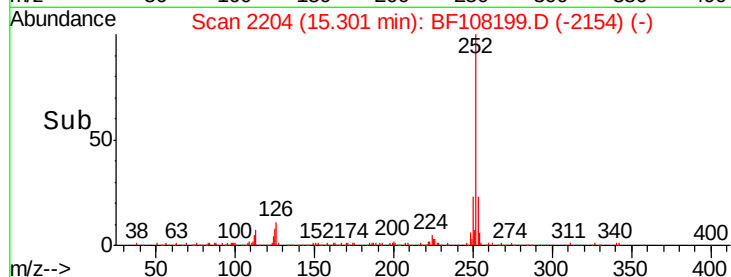
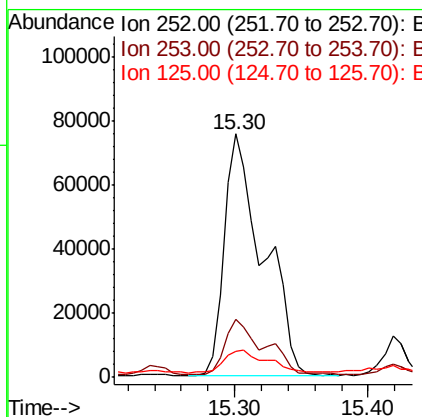
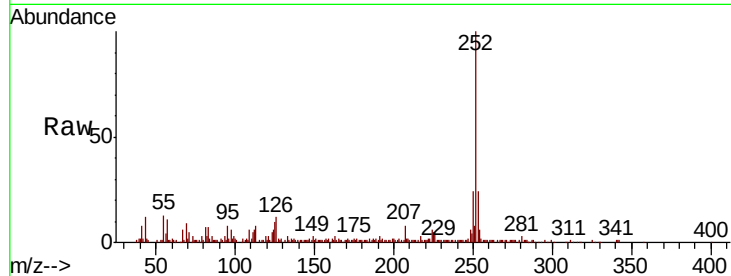




#87
Benzo(b)fluoranthene
Concen: 6.348 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

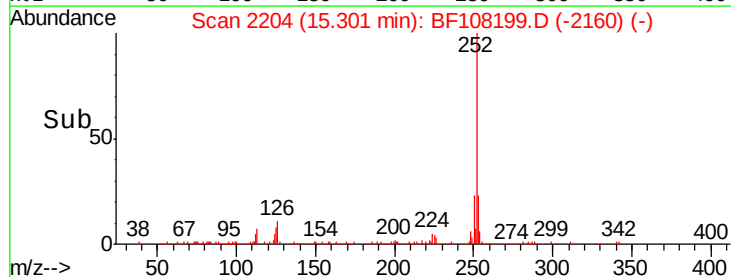
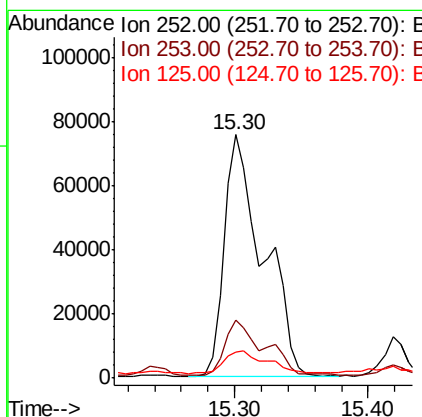
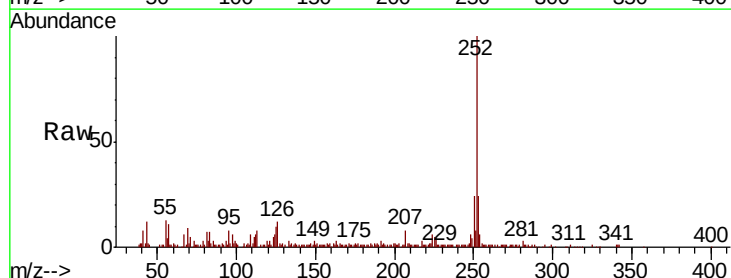
Instrument :
BNA_F
ClientSampleId :

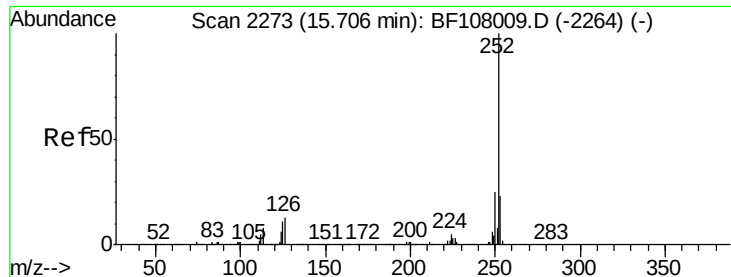
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	10.4	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 6.906 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	10.4	10.2	15.2





#89
 Benzo(a)pyrene
 Concen: 3.192 ng
 RT: 15.70 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF108199.D
 Acq: 16 Aug 2018 17:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	12.4	9.8	14.6

