

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108198.D
 Acq On : 16 Aug 2018 16:42
 Operator : JU/SJ
 Sample : J4269-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 16 18:19:06 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	7.01	152	172581	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	615829	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	277570	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	434125	20.00	ng	0.00
75) Chrysene-d12	14.21	240	415401	20.00	ng	0.00
86) Perylene-d12	15.77	264	391126	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	825429	86.59	ng	0.00
7) Phenol-d6	6.64	99	1118860	88.33	ng	0.00
23) Nitrobenzene-d5	7.58	82	739092	66.97	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	237646	85.83	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1282350	74.17	ng	0.00
78) Terphenyl-d14	13.14	244	1029587	63.02	ng	0.00

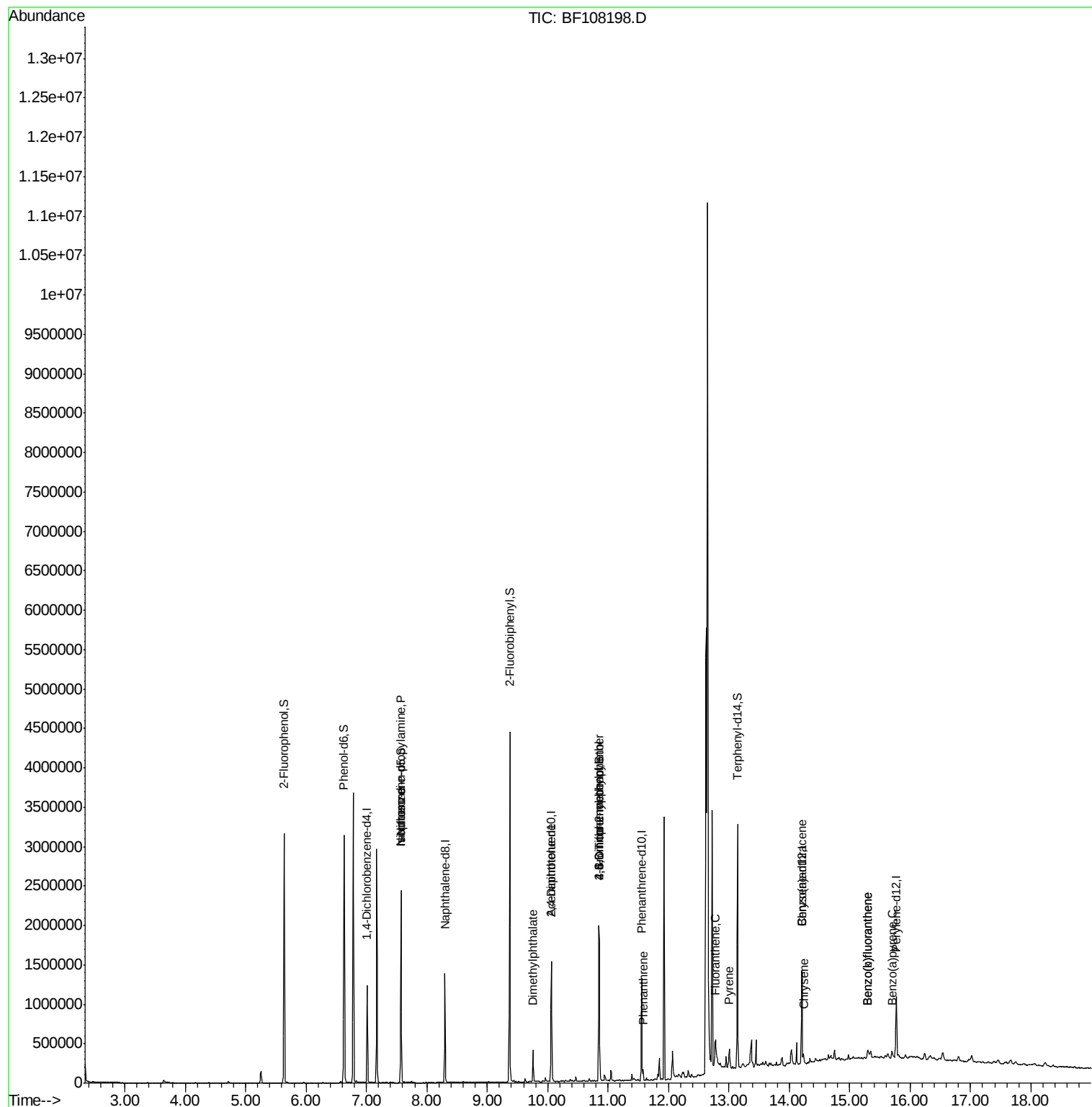
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	98278	11.473	ng	# 85
25) Isophorone	7.58	82	735826	34.981	ng	# 64
49) Dimethylphthalate	9.76	163	138334	7.155	ng	99
56) 2,4-Dinitrotoluene	10.06	165	36025	6.919	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	405	5.579	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	15179	3.217	ng	# 1
70) Phenanthrene	11.58	178	42894	2.095	ng	99
74) Fluoranthene	12.78	202	90021	4.028	ng	95
77) Pyrene	13.01	202	87315	3.320	ng	99
80) Benzo(a)anthracene	14.20	228	54966	2.306	ng	96
82) Chrysene	14.24	228	50014	2.288	ng	97
87) Benzo(b)fluoranthene	15.30	252	85091	3.641	ng	# 92
88) Benzo(k)fluoranthene	15.30	252	85091	3.961	ng	# 95
89) Benzo(a)pyrene	15.70	252	47101	2.251	ng	98

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

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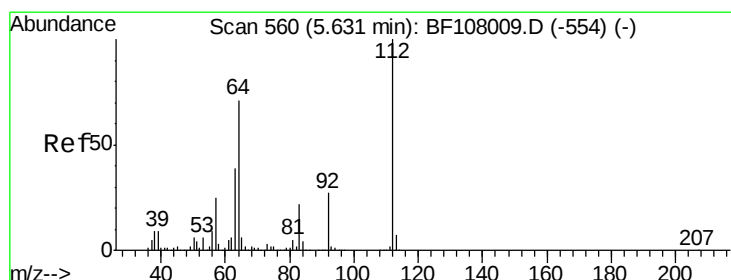
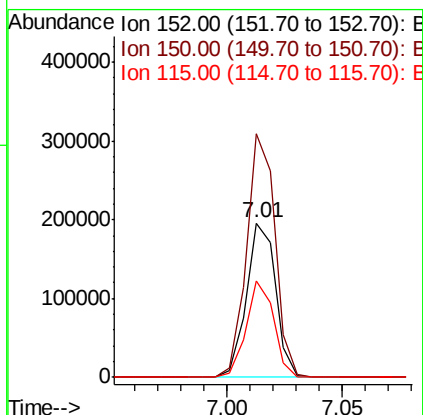
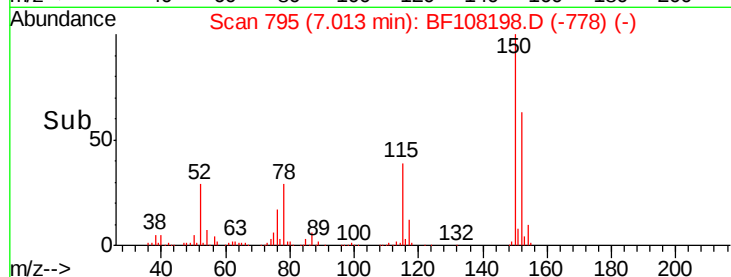
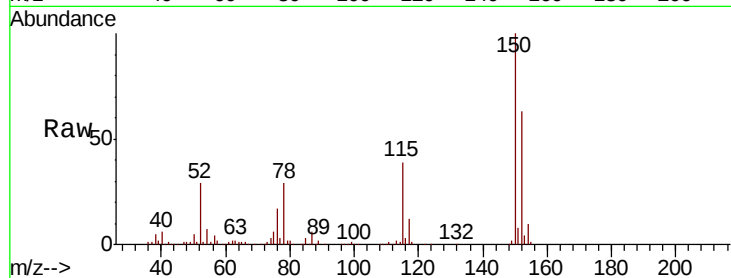


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Instrument :
BNA_F
ClientSampleId :

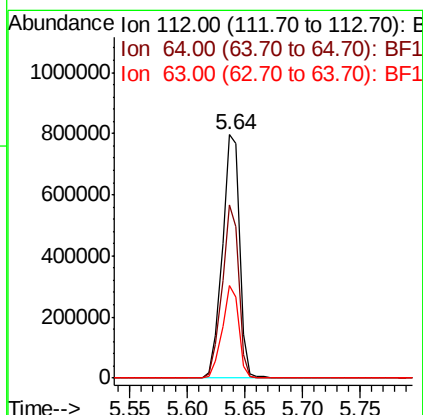
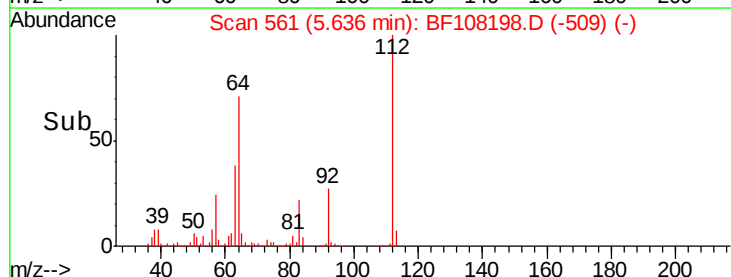
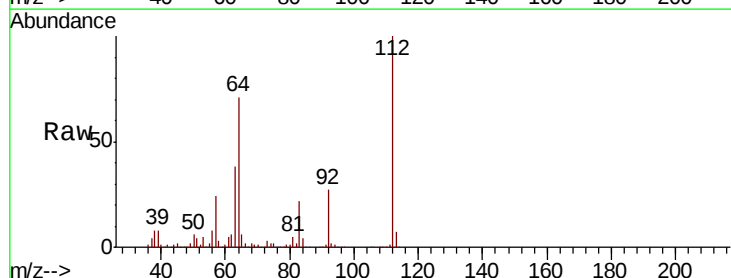
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	62.2	50.1	75.1

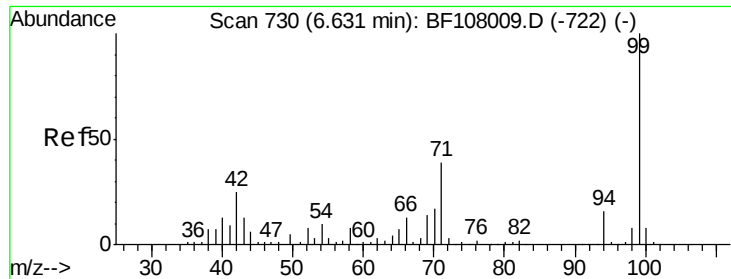


#5

2-Fluorophenol
Concen: 86.591 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.4	47.9	71.9
63	37.8	23.7	35.5#





#7

Phenol-d6

Concen: 88.326 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

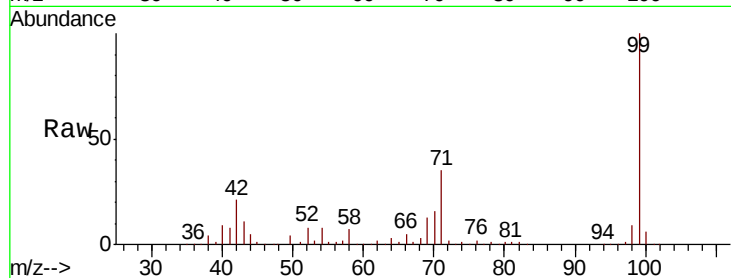
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1118860

Ion	Ratio	Lower	Upper
99	100		
42	21.3	14.5	21.7
71	34.8	25.4	38.0

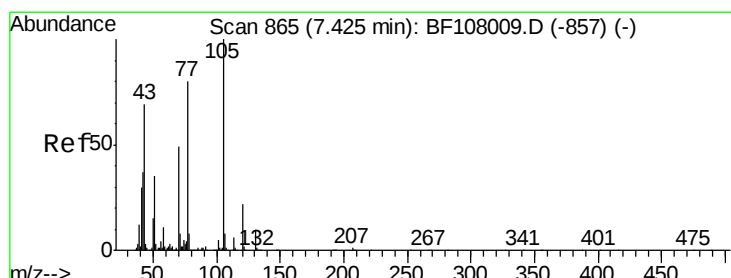
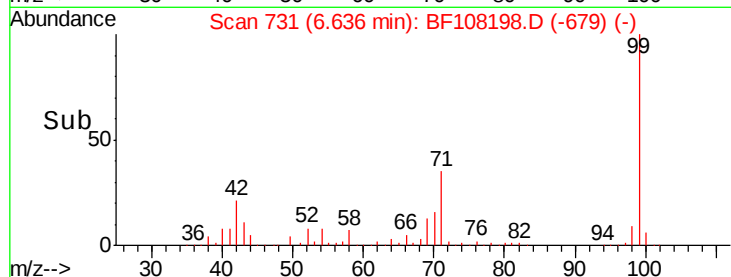


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 11.473 ng

RT: 7.58 min Scan# 891

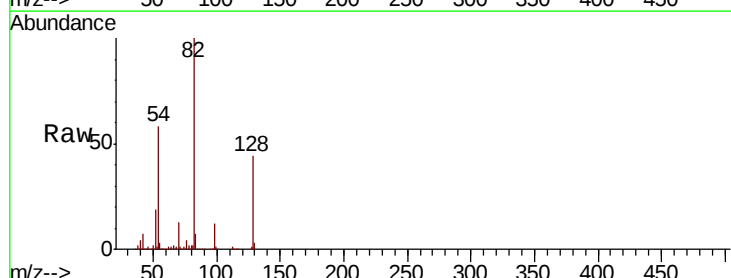
Delta R.T. 0.15 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

Tgt Ion: 70 Resp: 98278

Ion	Ratio	Lower	Upper
70	100		
42	56.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



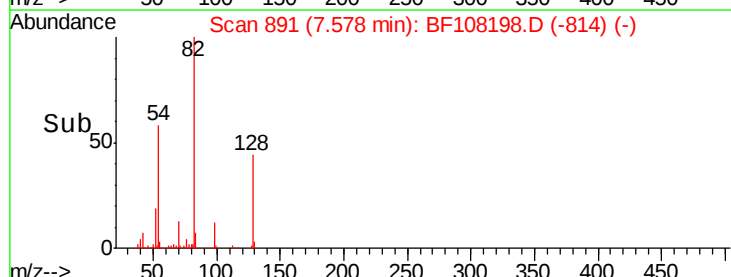
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 615829

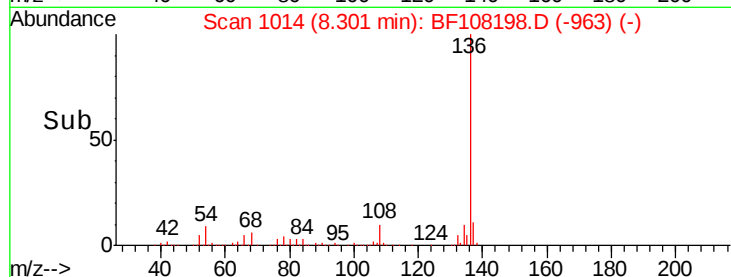
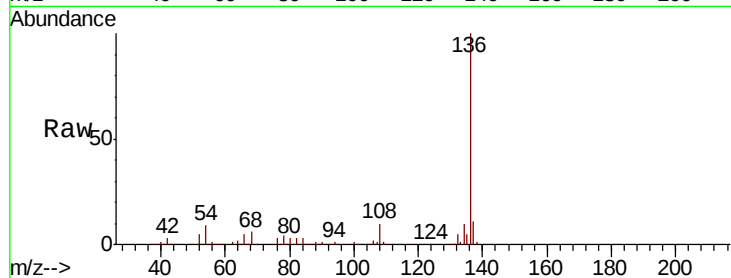
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.2 6.6 9.8

68 5.8 5.0 7.4

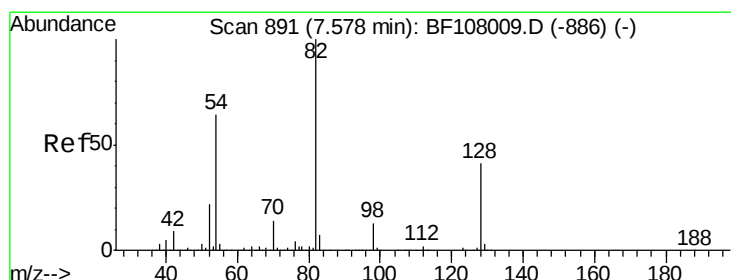
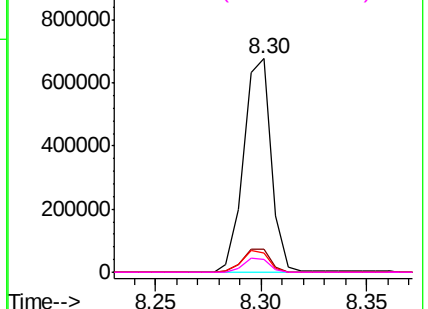


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.971 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.00 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

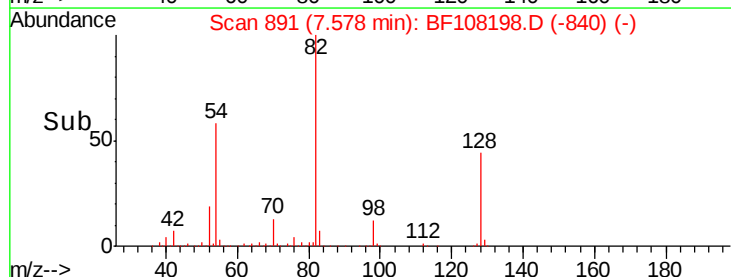
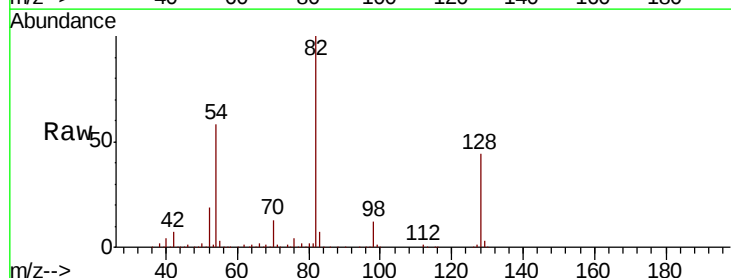
Tgt Ion: 82 Resp: 739092

Ion Ratio Lower Upper

82 100

128 44.0 36.1 54.1

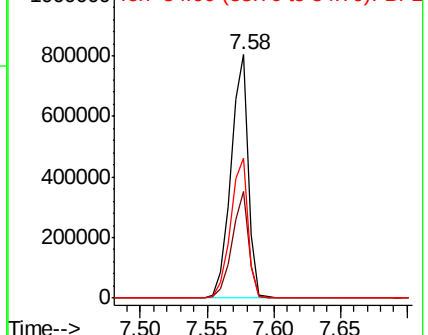
54 57.7 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.981 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

Instrument :

BNA_F

ClientSampleId :

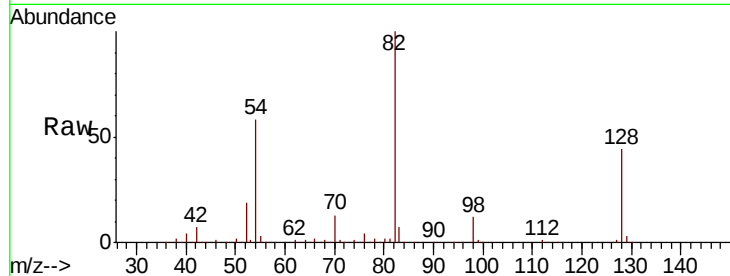
Tot Ion: 82 Resp: 735826

Ion Ratio Lower Upper

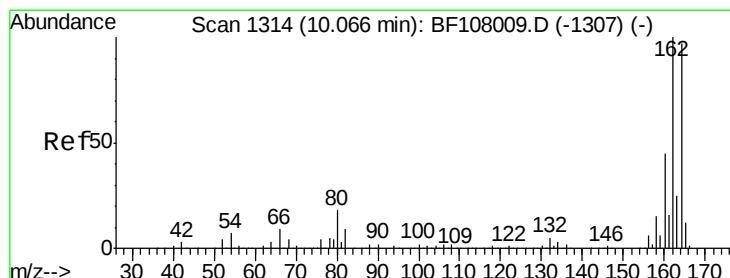
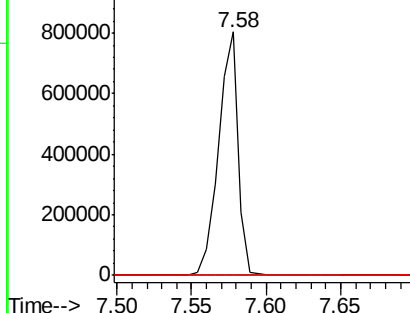
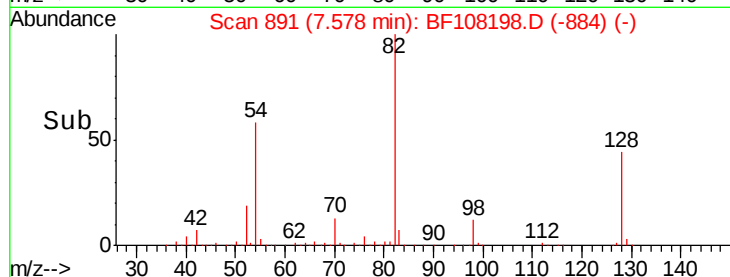
82 100

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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

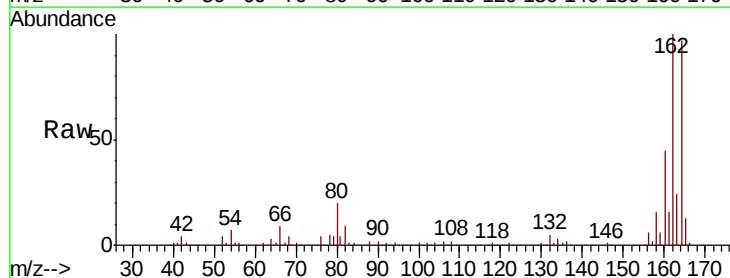
Tgt Ion: 164 Resp: 277570

Ion Ratio Lower Upper

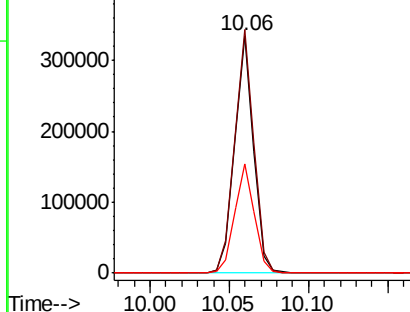
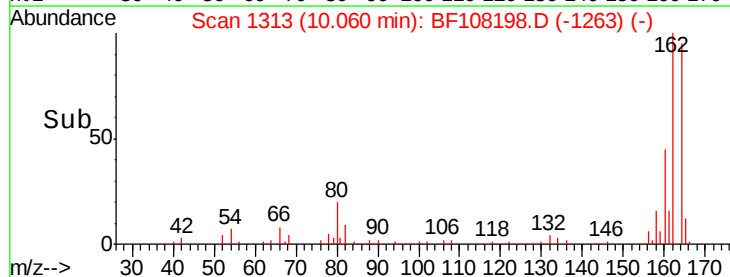
164 100

162 102.6 86.1 129.1

160 46.0 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

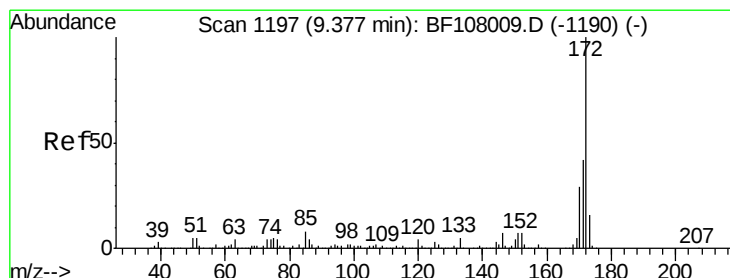
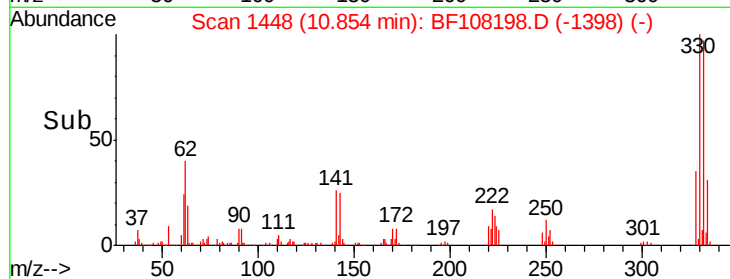
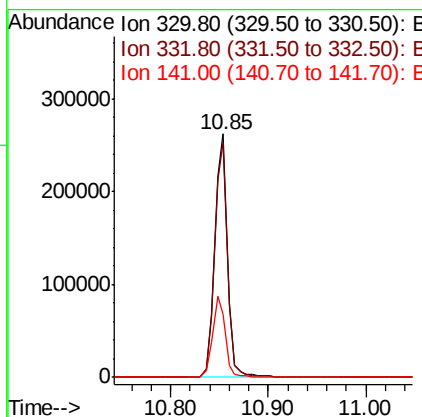
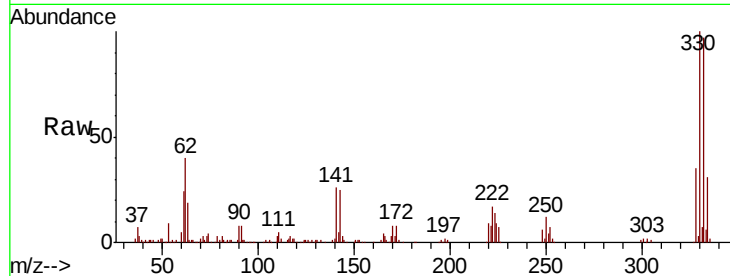




#41
 2,4,6-Tribromophenol
 Concen: 85.833 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108198.D
 Acq: 16 Aug 2018 16:42

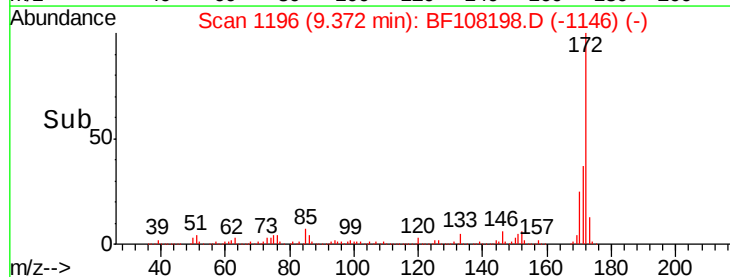
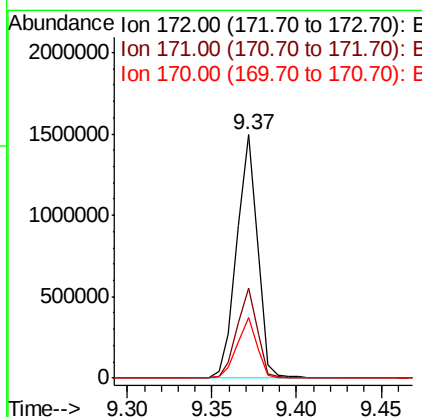
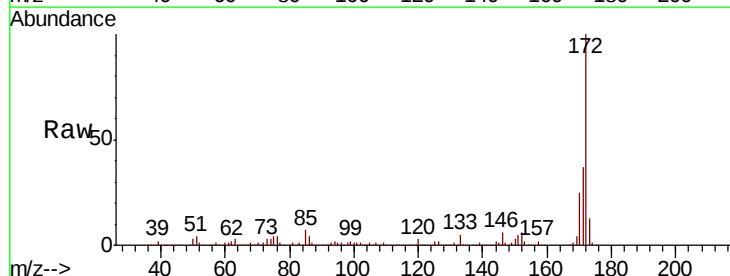
Instrument :
 BNA_F
 ClientSampleId :

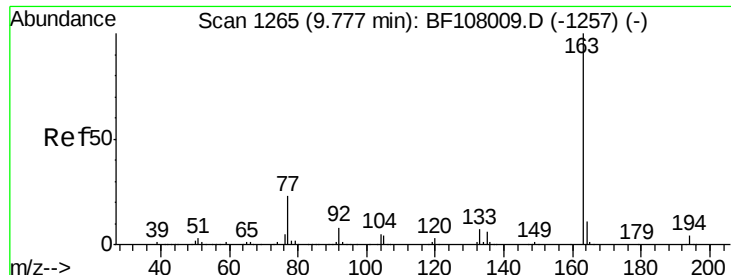
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	33.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 74.171 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108198.D
 Acq: 16 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.8	19.6	29.4

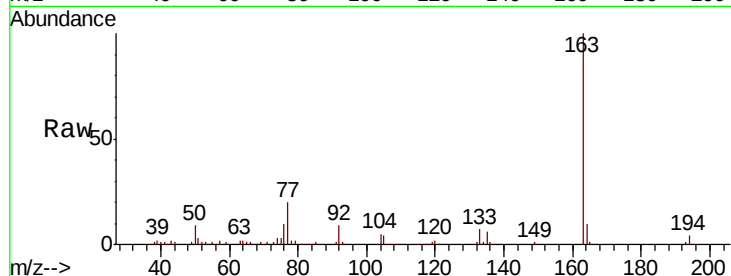




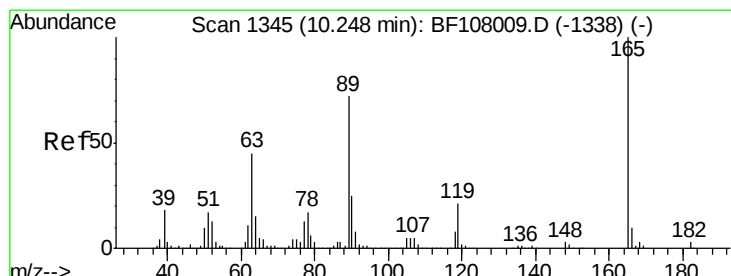
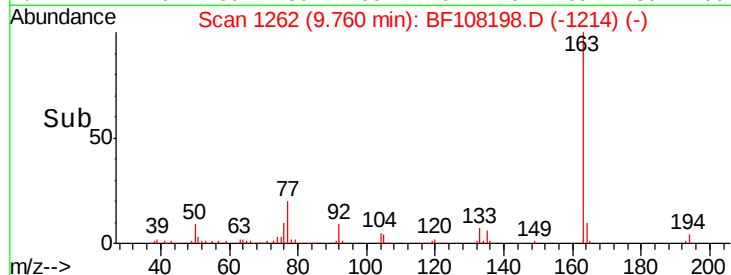
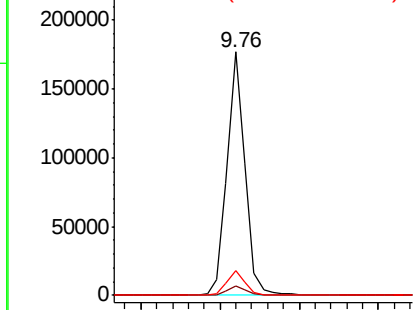
#49
Dimethylphthalate
Concen: 7.155 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 138334
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.4 8.2 12.2

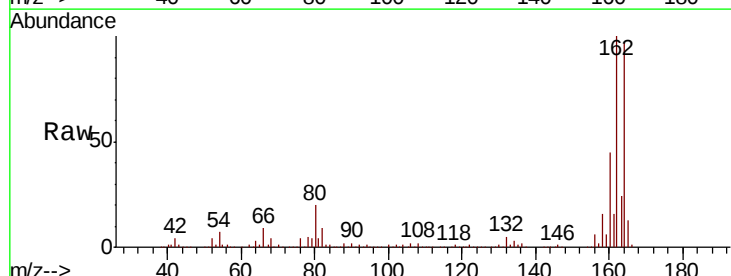


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

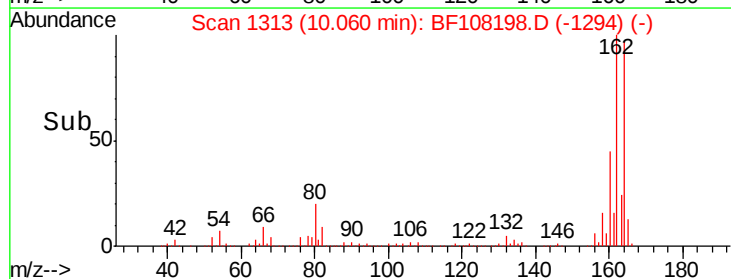
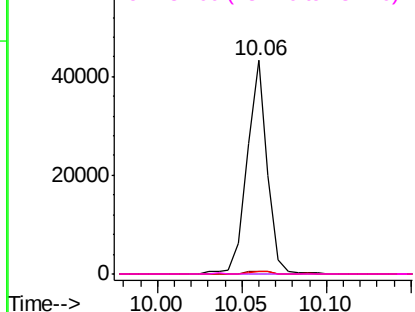


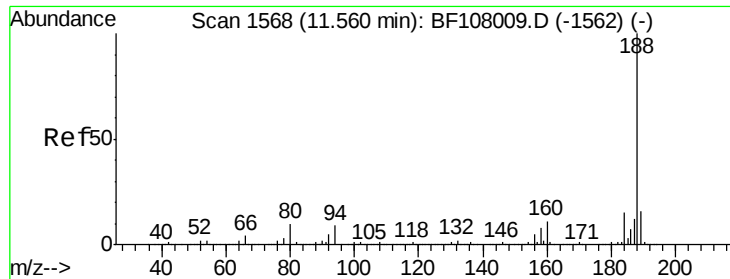
#56
2,4-Dinitrotoluene
Concen: 6.919 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Tgt Ion:165 Resp: 36025
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.3 57.8 86.6#
182 0.0 1.6 2.4#



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

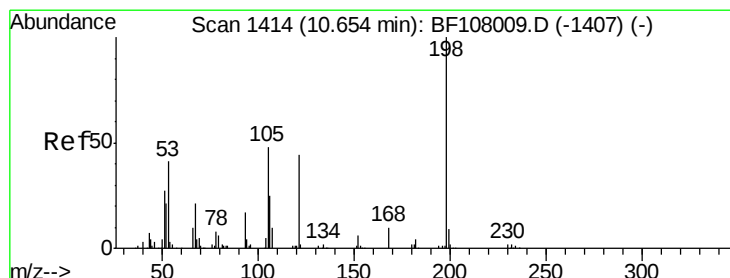
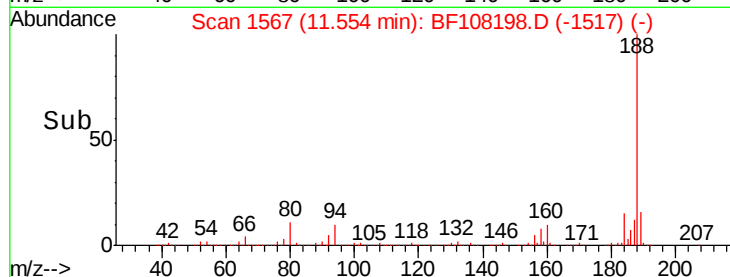
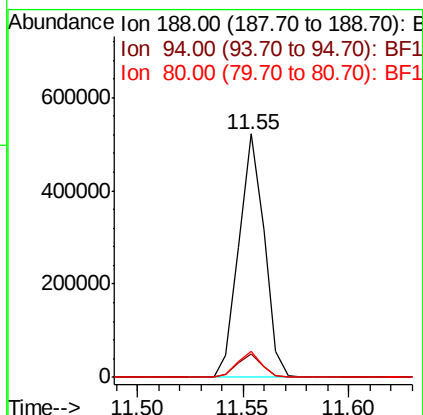
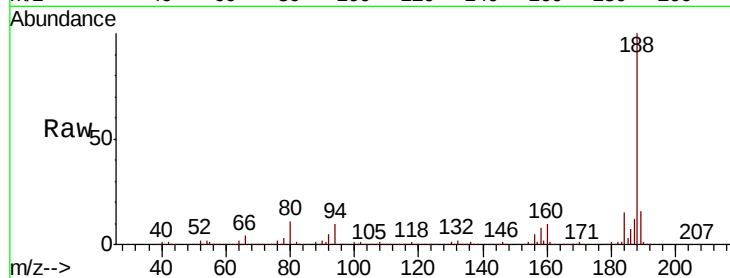




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

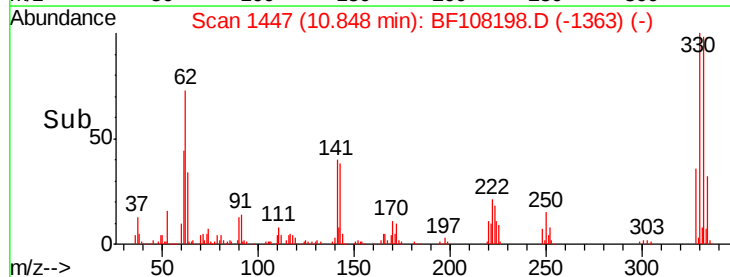
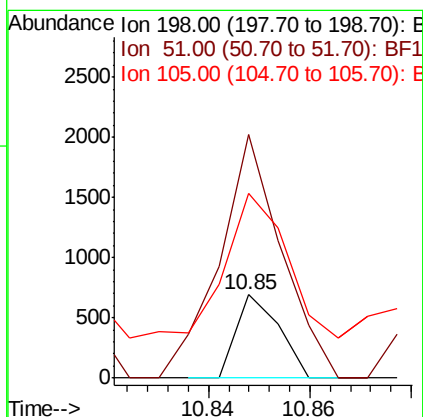
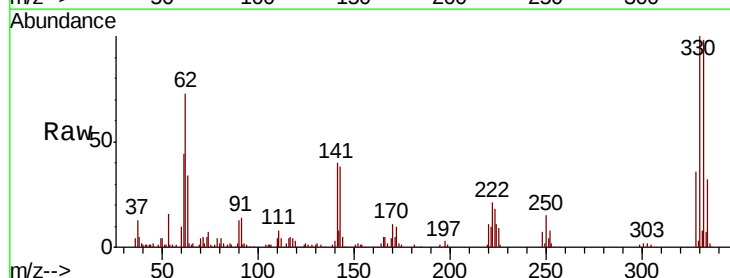
Instrument :
BNA_F
ClientSampleId :

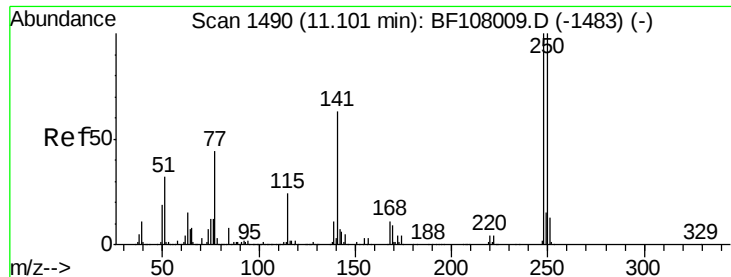
Tot Ion:188 Resp: 434125
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.579 ng
RT: 10.85 min Scan# 1447
Delta R.T. 0.19 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Tgt Ion:198 Resp: 405
Ion Ratio Lower Upper
198 100
51 291.8 37.7 77.7#
105 221.6 36.3 76.3#

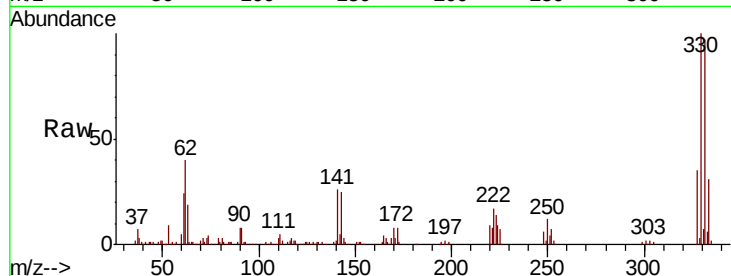




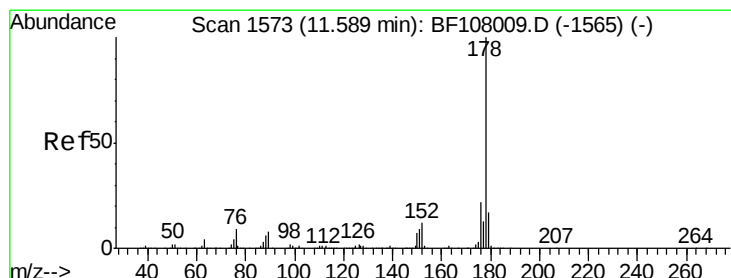
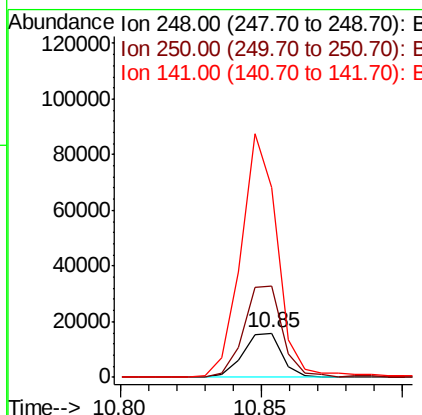
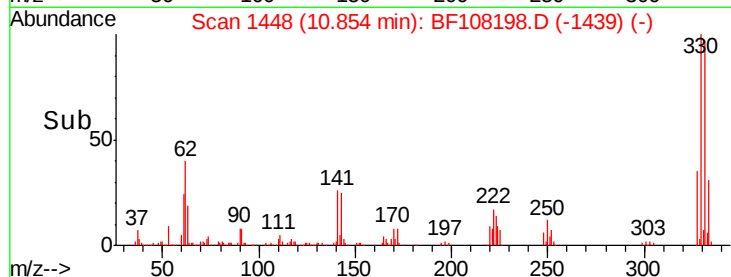
#66
 4-Bromophenyl-phenylether
 Concen: 3.217 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108198.D
 Acq: 16 Aug 2018 16:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 15179
 Ion Ratio Lower Upper
 248 100
 250 206.1 76.9 115.3#
 141 431.5 74.4 111.6#

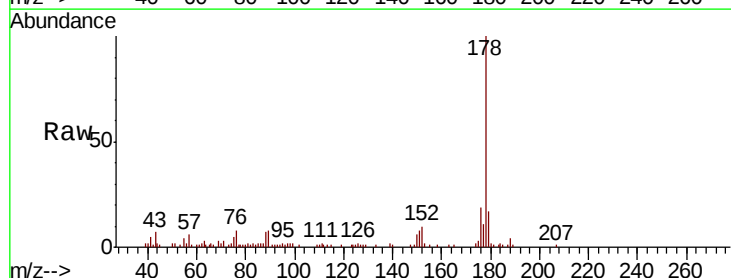


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

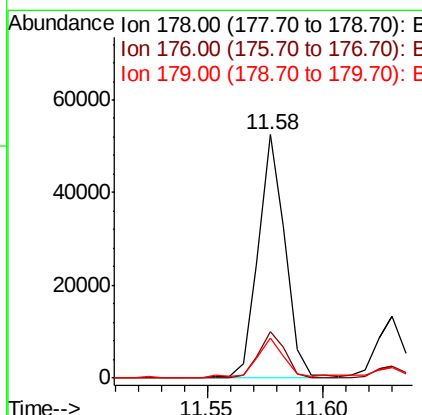
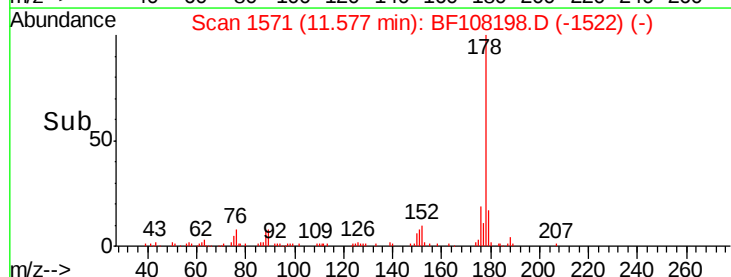


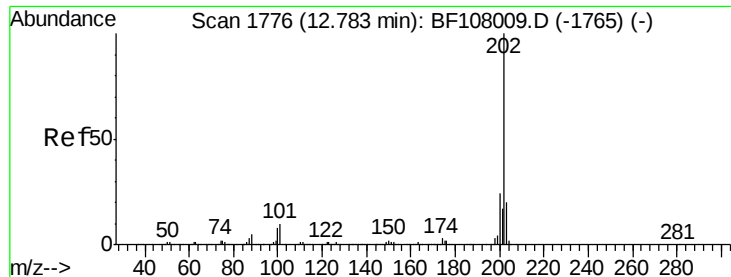
#70
 Phenanthrene
 Concen: 2.095 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF108198.D
 Acq: 16 Aug 2018 16:42

Tgt Ion:178 Resp: 42894
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 16.6 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

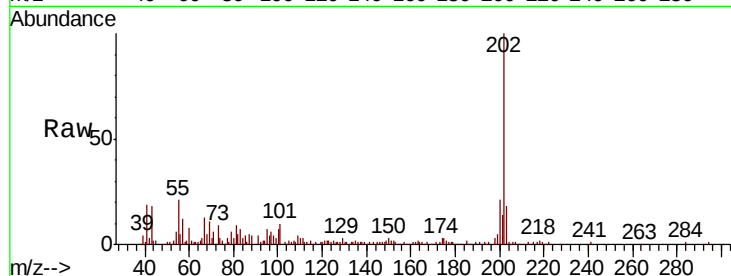




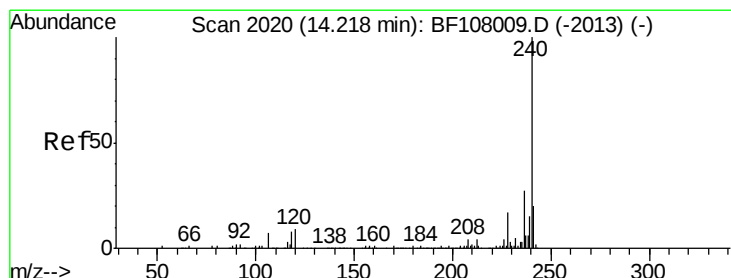
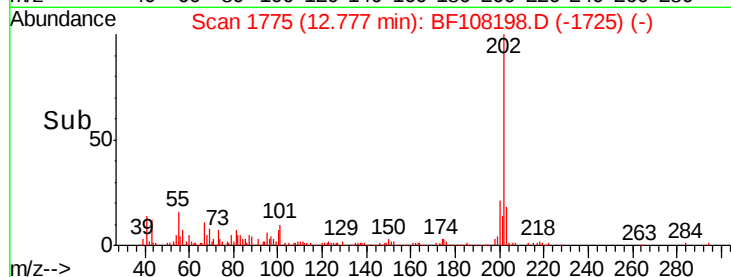
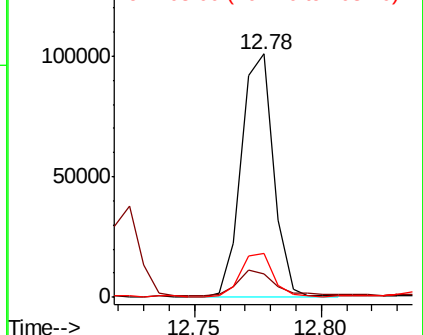
#74
 Fluoranthene
 Concen: 4.028 ng
 RT: 12.78 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF108198.D
 Acq: 16 Aug 2018 16:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	34.1
203	18.0	0.0	38.1

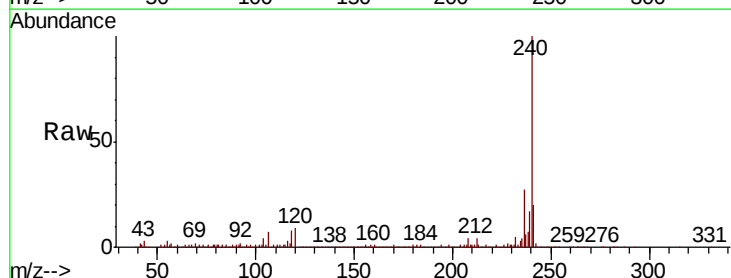


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

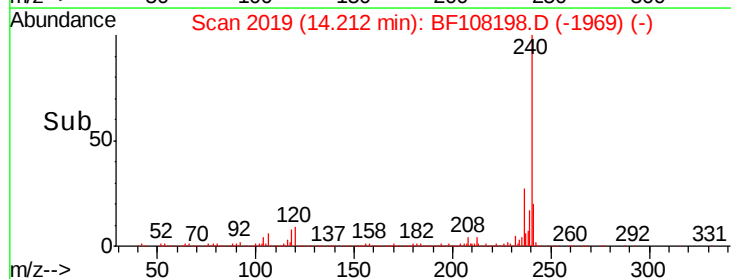
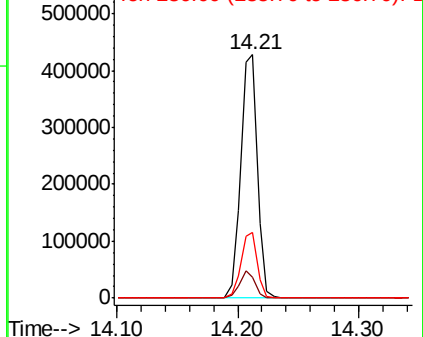


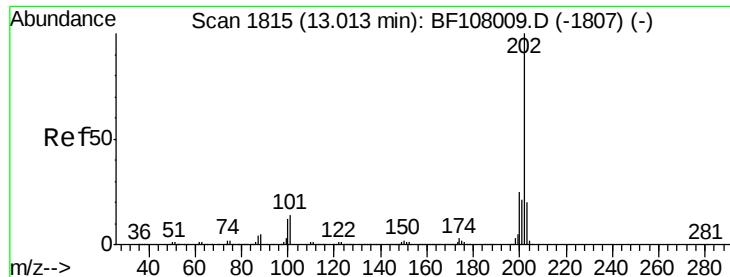
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.21 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF108198.D
 Acq: 16 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.6	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

Pvrene

Concen: 3.320 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

Instrument :

BNA_F

ClientSampleId :

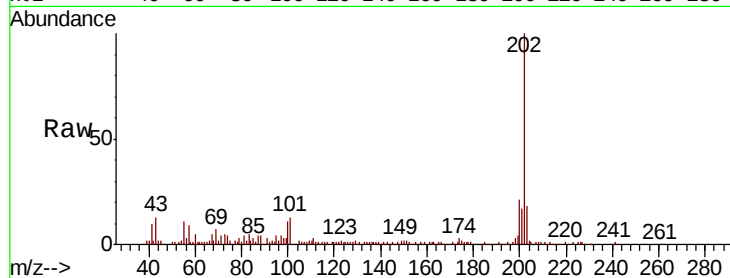
Tot Ion:202 Resp: 87315

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

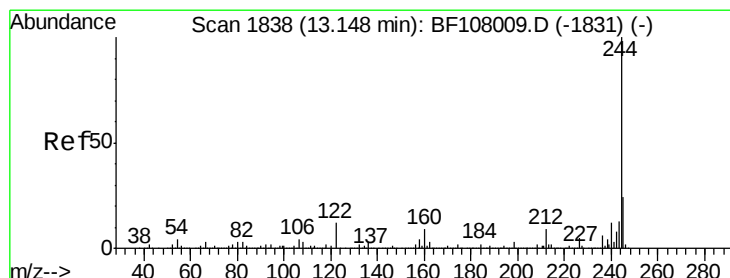
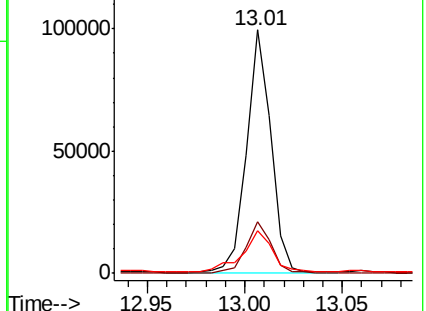
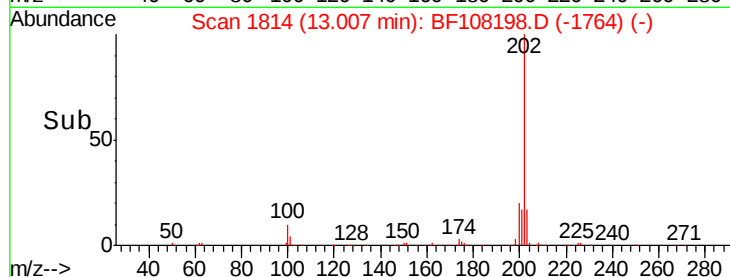
203 17.5 14.3 21.5



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: 63.019 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

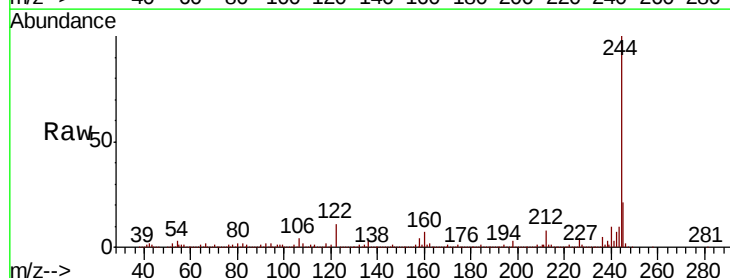
Tgt Ion:244 Resp: 1029587

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

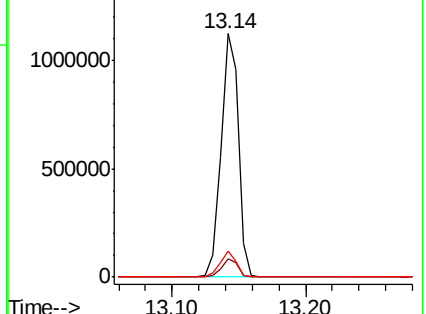
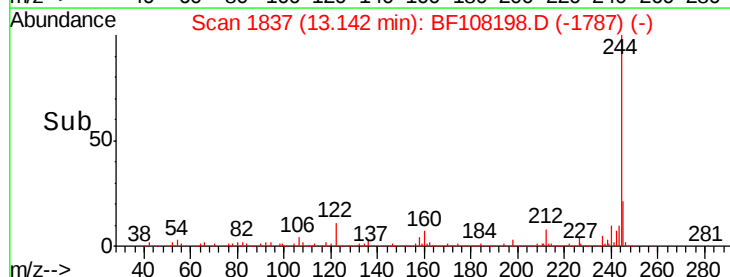
122 10.8 11.0 16.4#

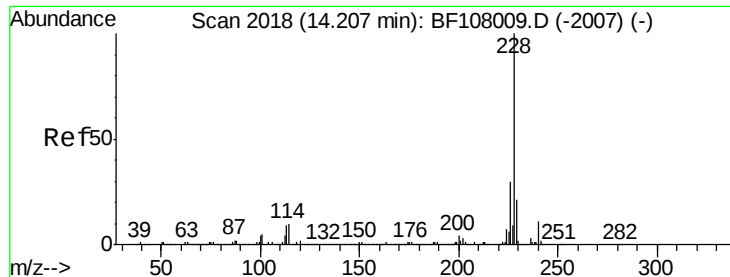


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.306 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

Instrument :

BNA_F

ClientSampleId :

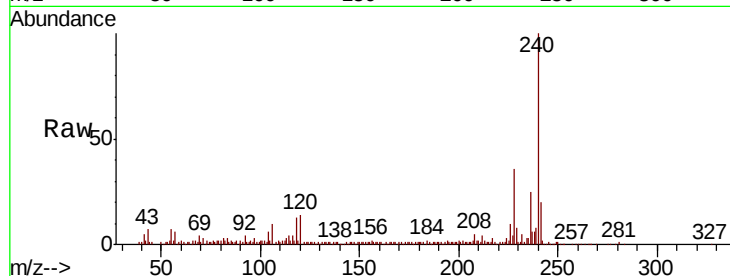
Tot Ion:228 Resp: 54966

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

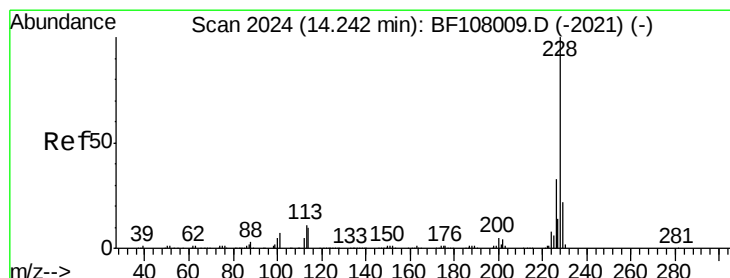
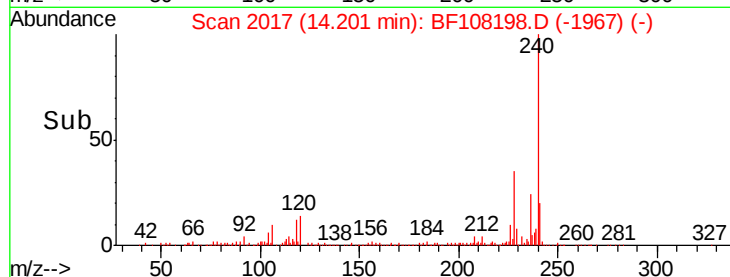
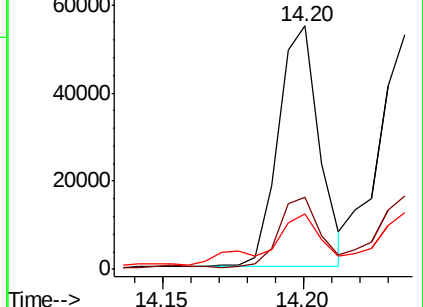
229 22.9 15.8 23.6



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: 2.288 ng

RT: 14.24 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

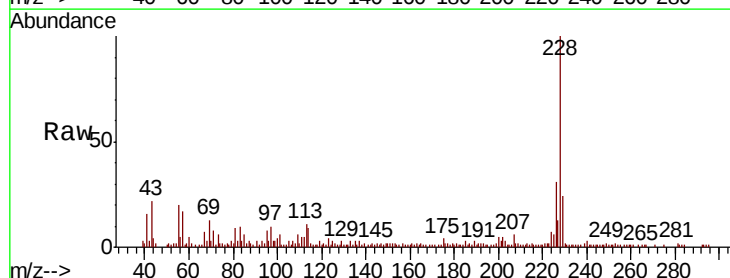
Tgt Ion:228 Resp: 50014

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

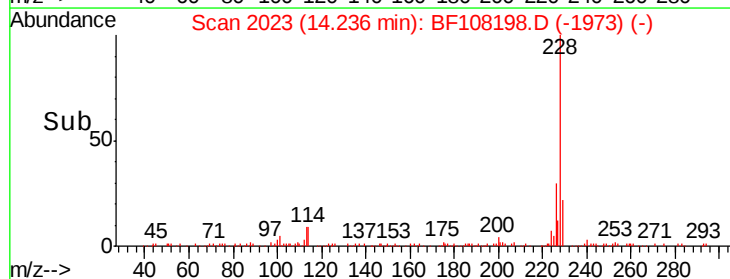
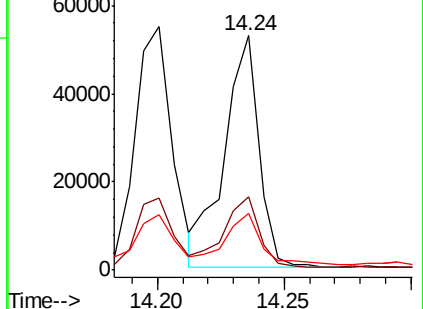
229 24.0 16.2 24.4

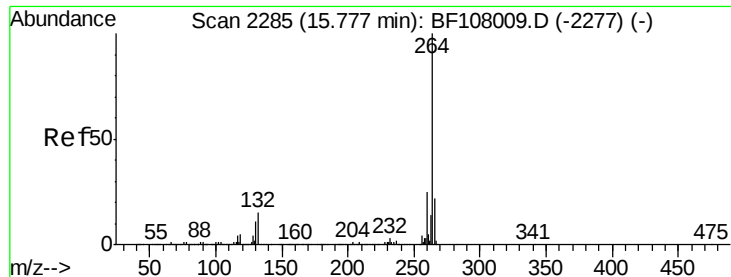


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

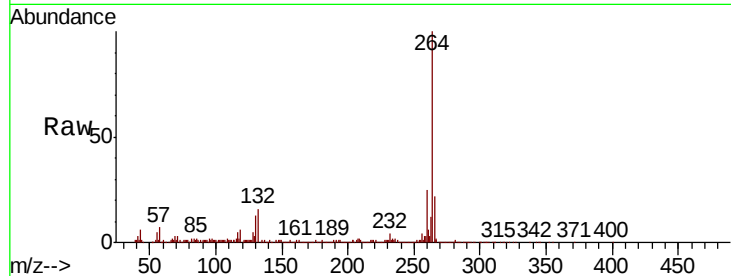




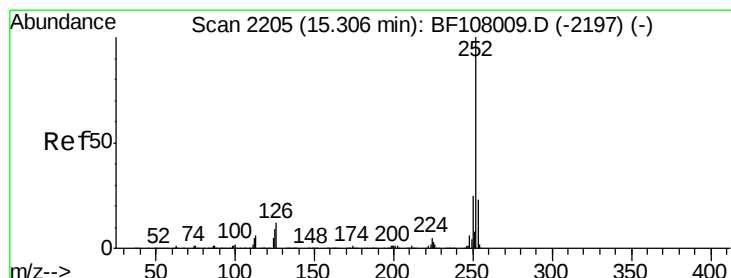
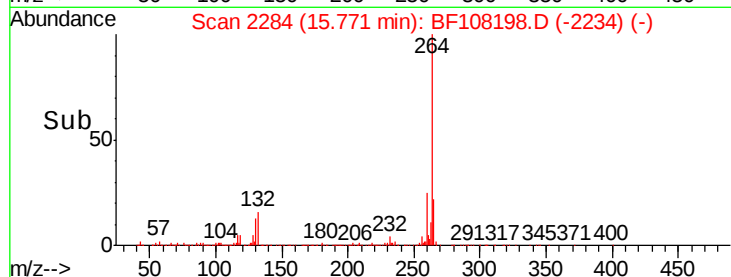
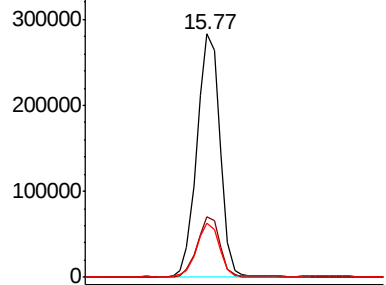
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	22.1	17.5	26.3

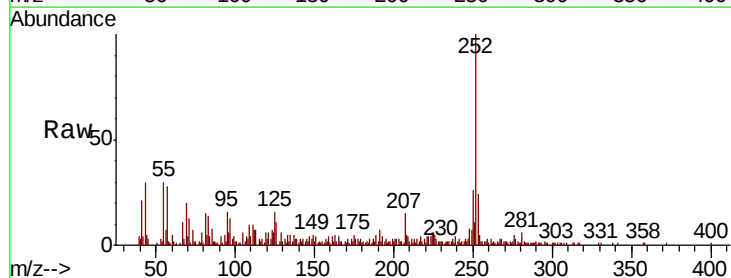


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

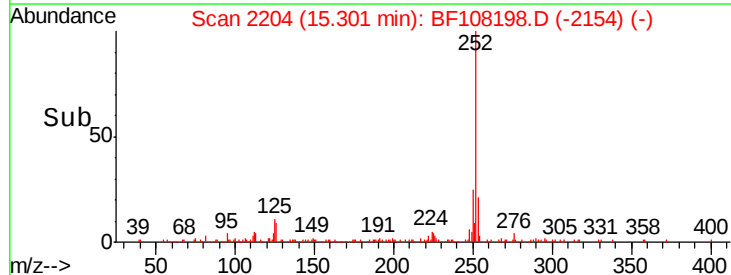
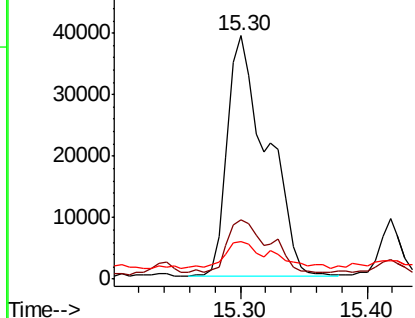


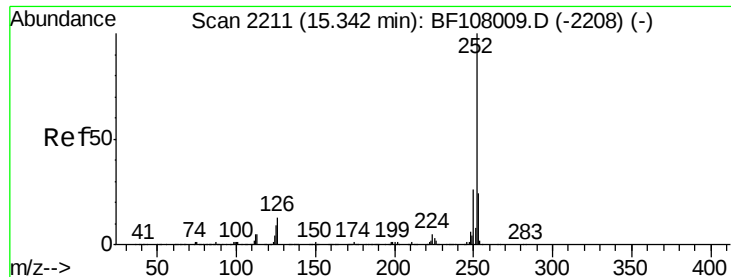
#87
Benzo(b)fluoranthene
Concen: 3.641 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	15.6	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





#88

Benzo(k)fluoranthene

Concen: 3.961 ng

RT: 15.30 min Scan# 2204

Delta R.T. -0.04 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

Instrument :

BNA_F

ClientSampled :

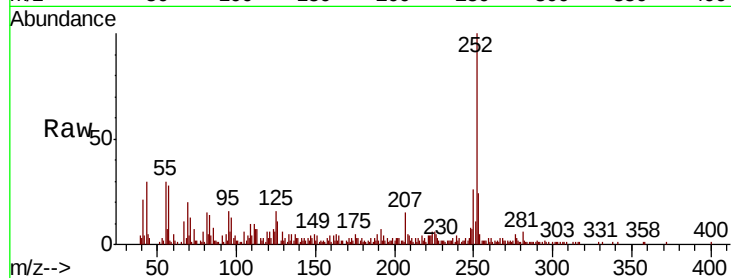
Tot Ion:252 Resp: 85091

Ion Ratio Lower Upper

252 100

253 24.3 17.9 26.9

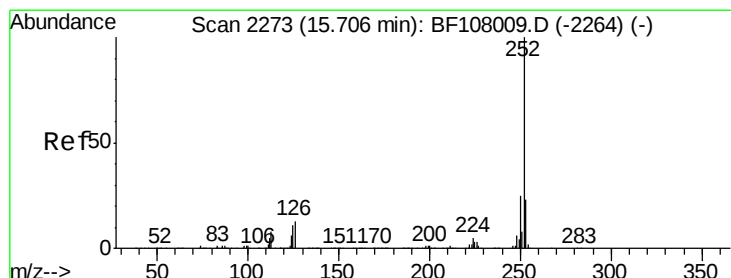
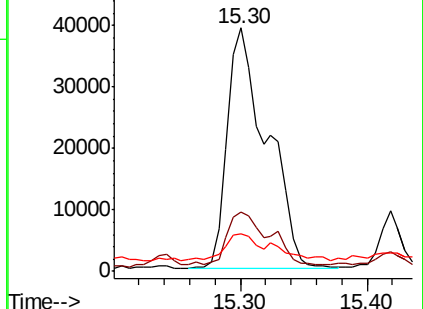
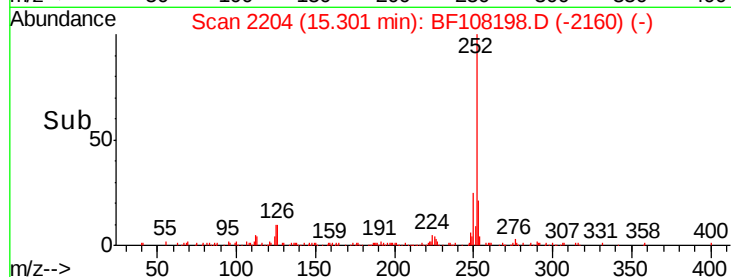
125 15.6 10.2 15.2#



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



#89

Benzo(a)pyrene

Concen: 2.251 ng

RT: 15.70 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

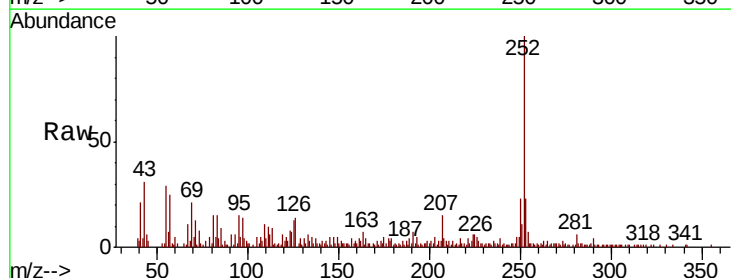
Tgt Ion:252 Resp: 47101

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 12.9 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

