

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
 Data File : BF108218.D
 Acq On : 17 Aug 2018 1:53
 Operator : JU/SJ
 Sample : J4501-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-017

Quant Time: Aug 17 04:09:25 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	152109	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	523021	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	223783	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	401636	20.00	ng	0.00
75) Chrysene-d12	14.21	240	414988	20.00	ng	0.00
86) Perylene-d12	15.77	264	280524	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	925963	110.21	ng	0.01
7) Phenol-d6	6.64	99	1174782	105.22	ng	0.00
23) Nitrobenzene-d5	7.58	82	771355	82.30	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	250908	112.40	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1198080	85.95	ng	0.00
78) Terphenyl-d14	13.14	244	1180526	72.33	ng	0.00

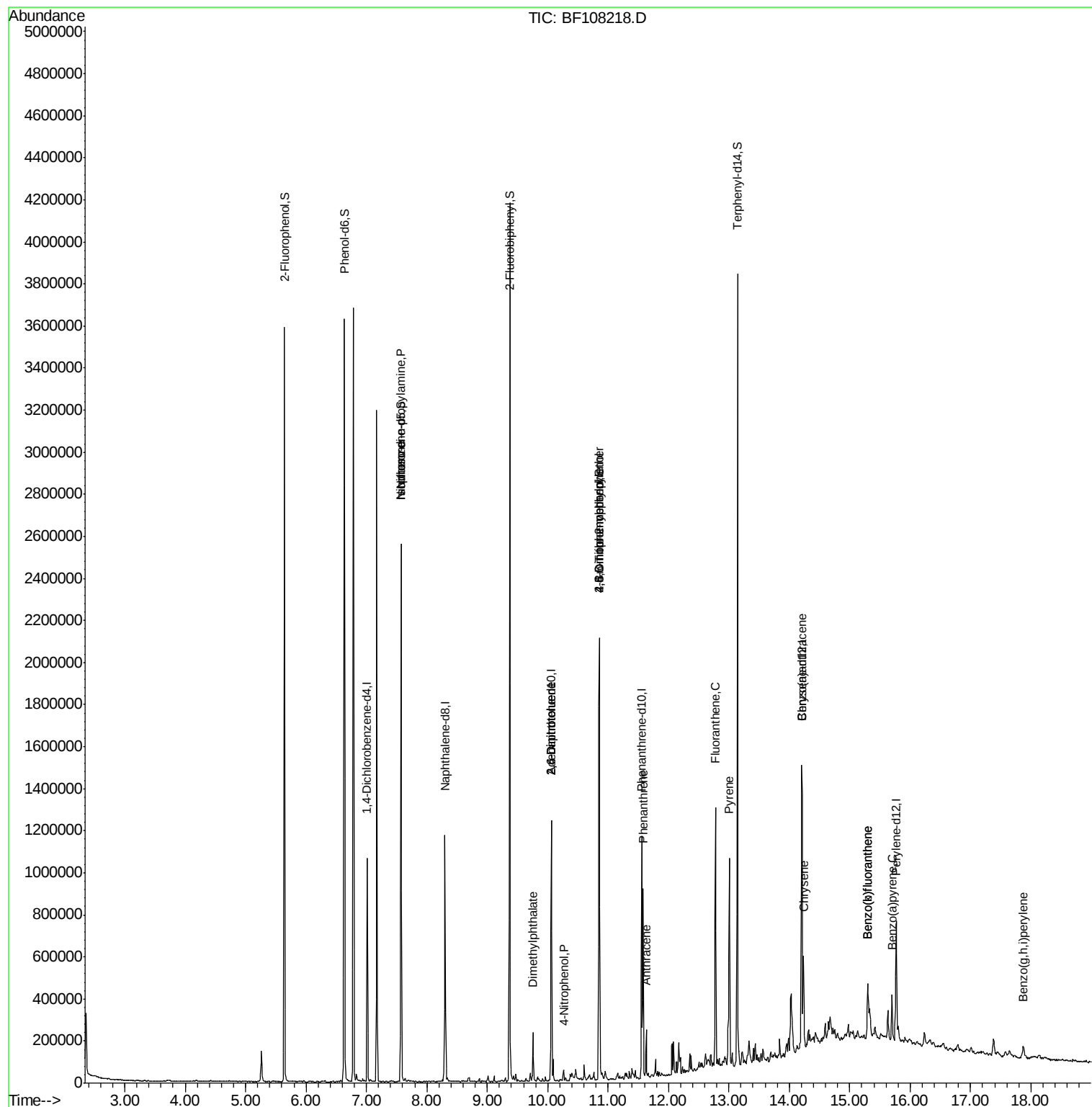
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	104047	13.781	ng	# 84
25) Isophorone	7.58	82	771343	43.176	ng	# 64
49) Dimethylphthalate	9.76	163	77709	4.985	ng	# 99
50) 2,6-Dinitrotoluene	10.06	165	29393	9.012	ng	# 26
55) 4-Nitrophenol	10.27	139	7393	2.736	ng	# 12
56) 2,4-Dinitrotoluene	10.06	165	29393	7.002	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	479	5.641	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	16874	3.866	ng	# 1
70) Phenanthrene	11.58	178	325679	17.192	ng	99
71) Anthracene	11.63	178	75147	3.870	ng	99
74) Fluoranthene	12.78	202	431197	20.856	ng	95
77) Pyrene	13.01	202	382977	14.577	ng	99
80) Benzo(a)anthracene	14.20	228	184871	7.762	ng	99
82) Chrysene	14.24	228	168673	7.725	ng	99
87) Benzo(b)fluoranthene	15.30	252	209891	12.521	ng	98
88) Benzo(k)fluoranthene	15.30	252	209891	13.622	ng	98
89) Benzo(a)pyrene	15.70	252	104526	6.964	ng	97
91) Benzo(g,h,i)perylene	17.88	276	50190	4.104	ng	94

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

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
Data File : BF108218.D
Acq On : 17 Aug 2018 1:53
Operator : JU/SJ
Sample : J4501-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-017

Quant Time: Aug 17 04:09:25 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



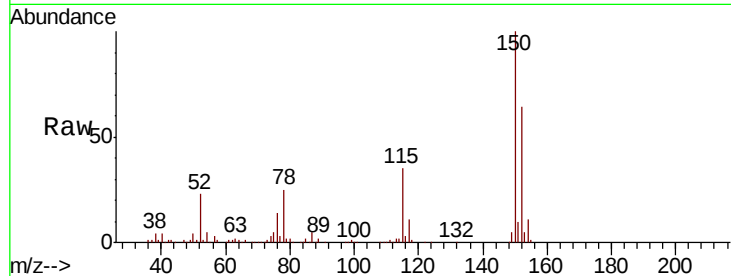


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108218.D
Acq: 17 Aug 2018 1:53

Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-017

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	54.3	50.1	75.1

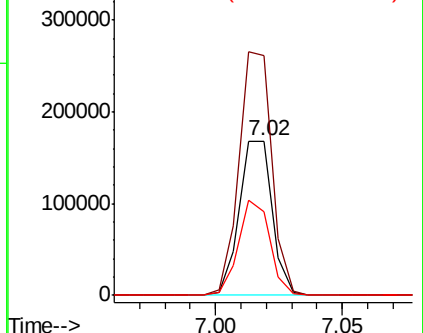
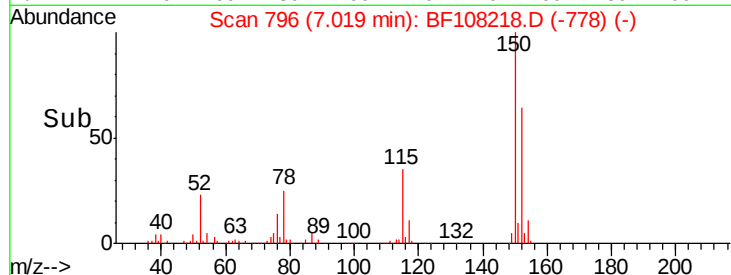


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

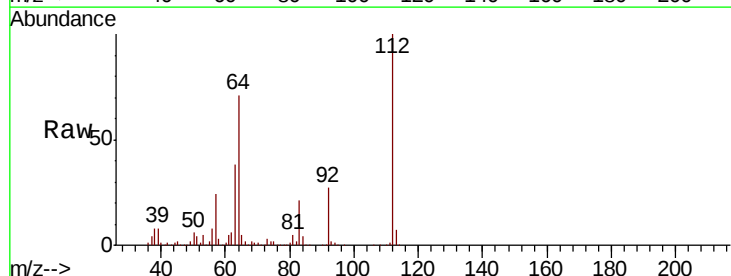
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.211 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108218.D
Acq: 17 Aug 2018 1:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.0	47.9	71.9
63	37.6	23.7	35.5

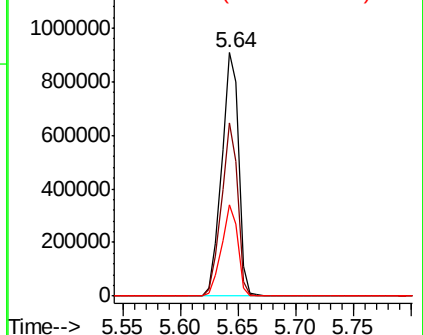
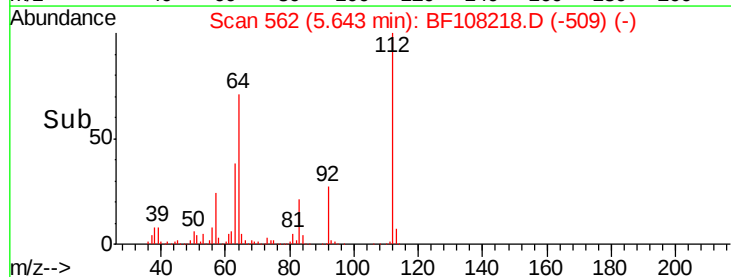


Abundance

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: 105.223 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108218.D

Acq: 17 Aug 2018 1:53

Instrument :

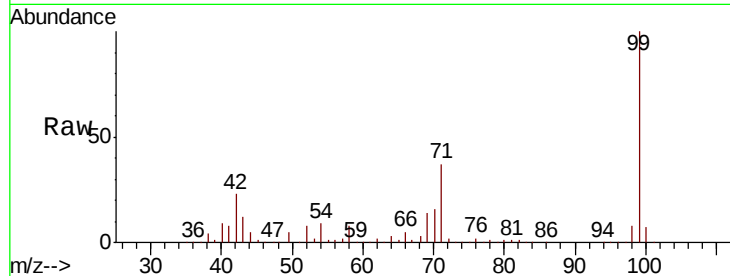
BNA_F

ClientSampleId :

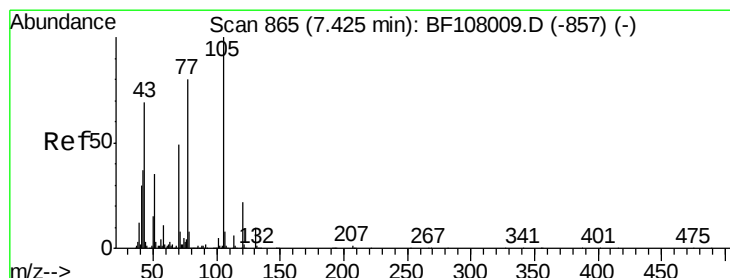
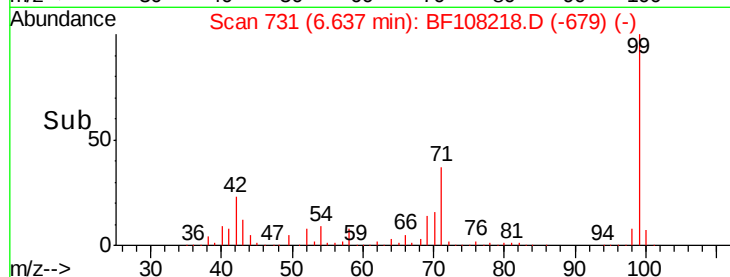
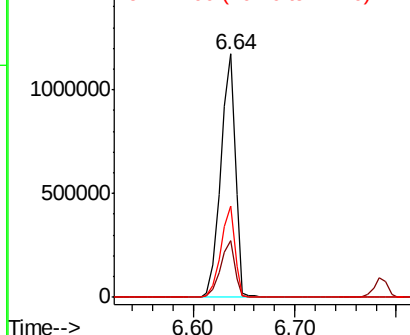
RA-081318-FL-017

Tgt Ion: 99 Resp: 1174782

Ion	Ratio	Lower	Upper
99	100		
42	23.2	14.5	21.7#
71	37.3	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: 13.781 ng

RT: 7.58 min Scan# 891

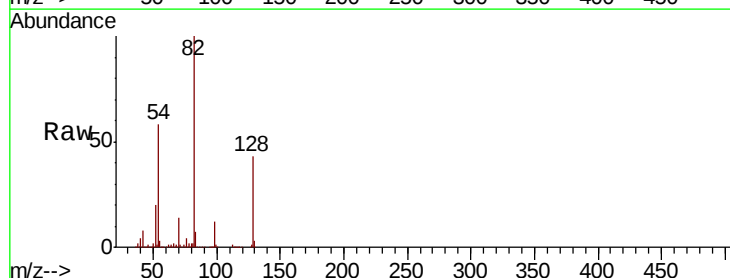
Delta R.T. 0.15 min

Lab File: BF108218.D

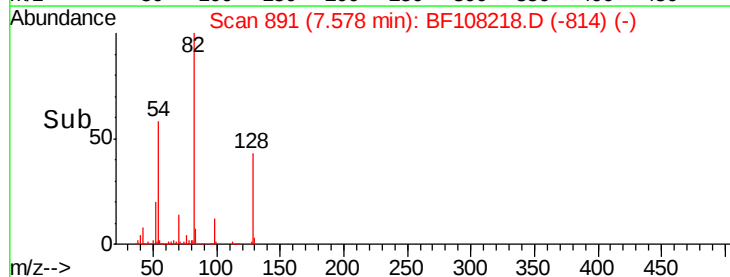
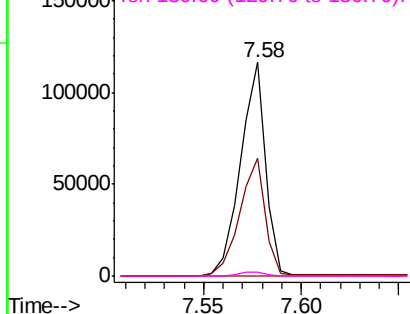
Acq: 17 Aug 2018 1:53

Tgt Ion: 70 Resp: 104047

Ion	Ratio	Lower	Upper
70	100		
42	55.3	47.5	71.3
101	0.0	7.4	11.2#
130	1.8	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: BF108218.D

Acq: 17 Aug 2018 1:53

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-017

Tgt Ion: 136 Resp: 523021

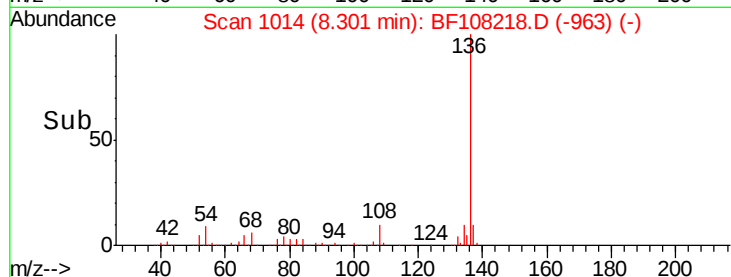
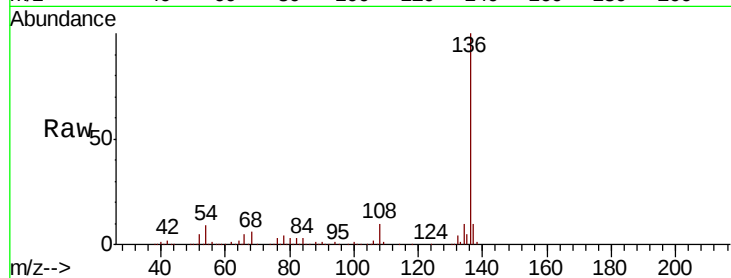
Ion Ratio Lower Upper

136 100

137 10.2 8.9 13.3

54 9.2 6.6 9.8

68 5.8 5.0 7.4

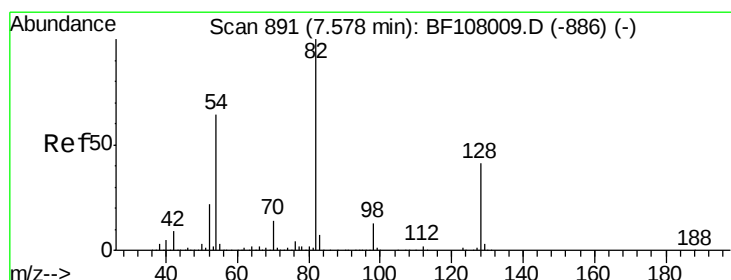
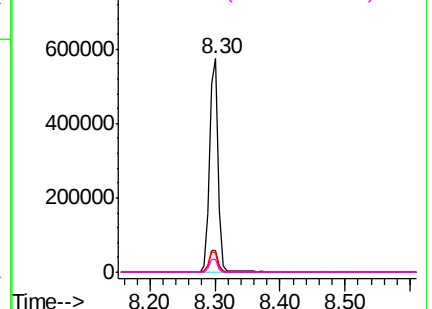


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.296 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108218.D

Acq: 17 Aug 2018 1:53

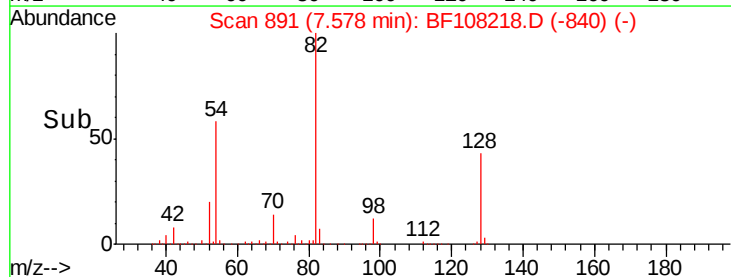
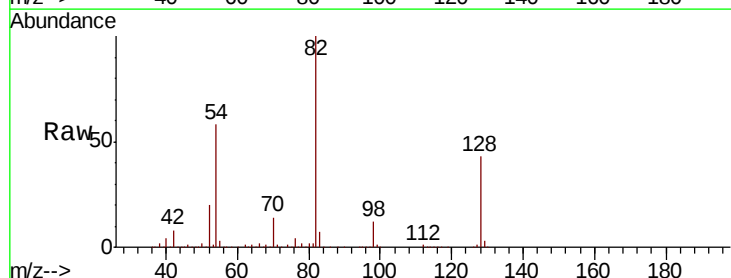
Tgt Ion: 82 Resp: 771355

Ion Ratio Lower Upper

82 100

128 42.8 36.1 54.1

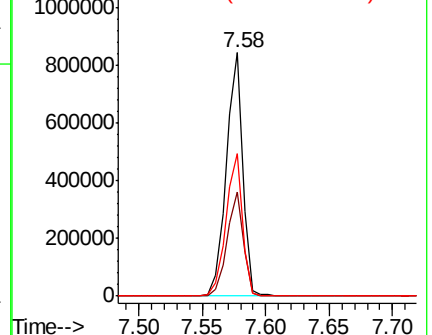
54 58.4 41.4 62.2



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: 43.176 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108218.D

Acq: 17 Aug 2018 1:53

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-017

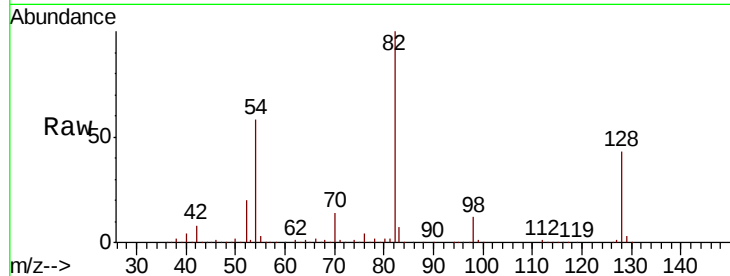
Tgt Ion: 82 Resp: 771343

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

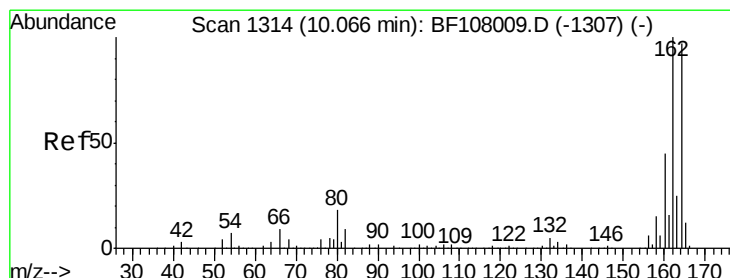
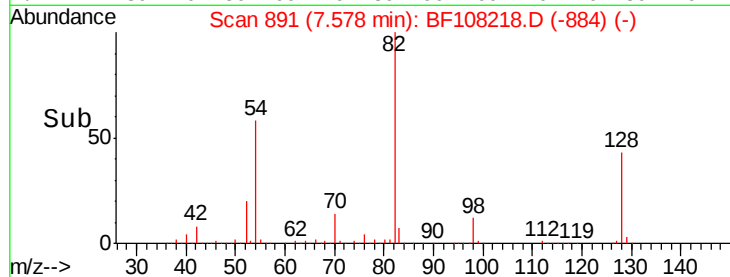
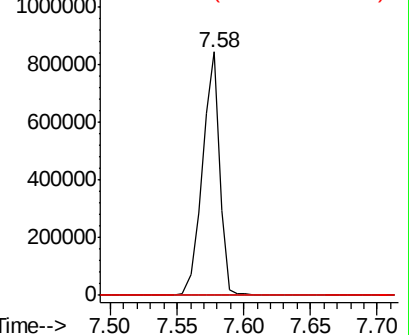
138 0.0 14.9 22.3#



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: BF108218.D

Acq: 17 Aug 2018 1:53

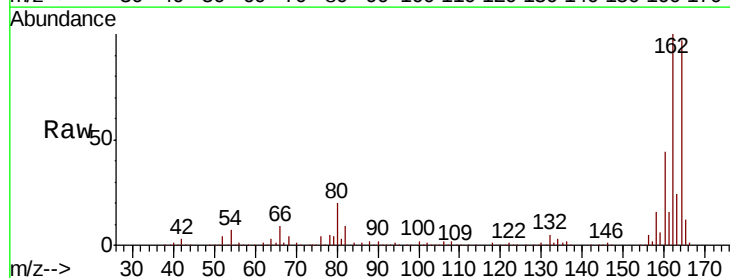
Tgt Ion: 164 Resp: 223783

Ion Ratio Lower Upper

164 100

162 103.3 86.1 129.1

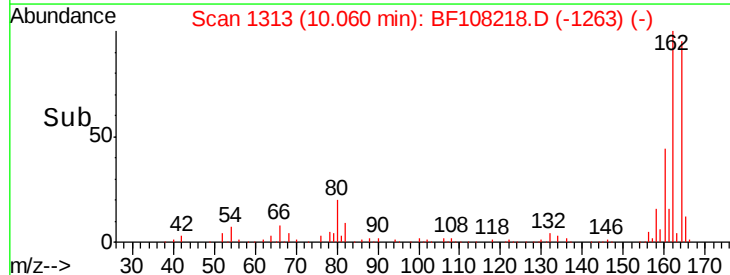
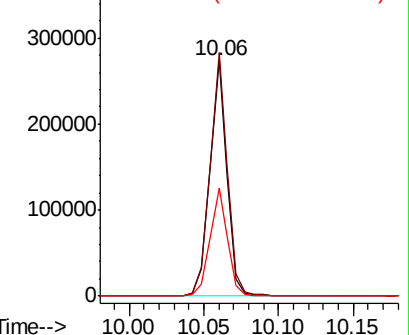
160 45.8 38.3 57.5



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

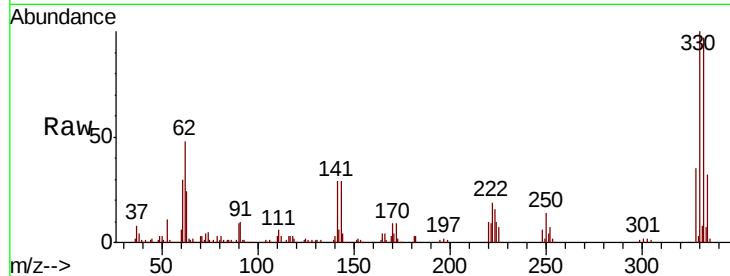




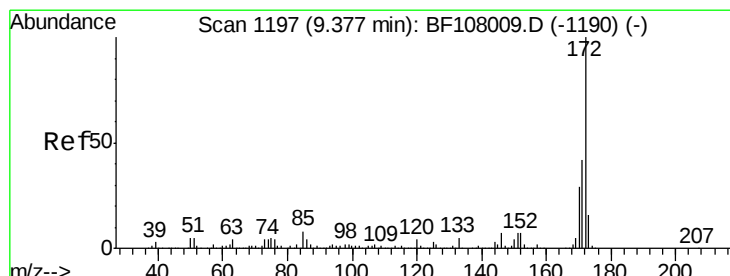
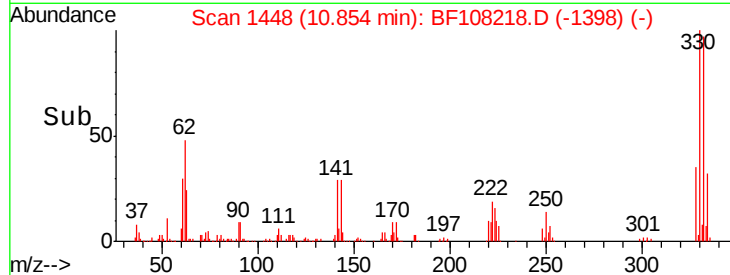
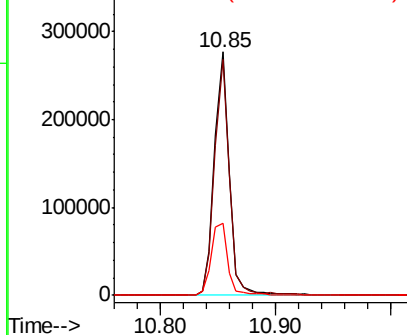
#41
 2,4,6-Tribromophenol
 Concen: 112.405 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108218.D
 Acq: 17 Aug 2018 1:53

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-017

Tgt Ion:330 Resp: 250908
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 33.0 29.9 44.9

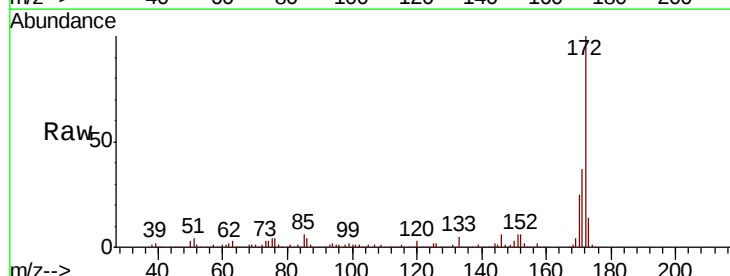


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

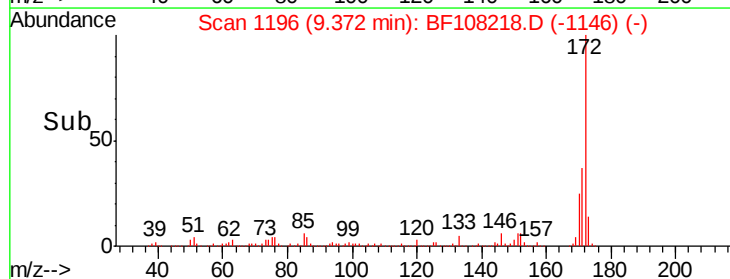
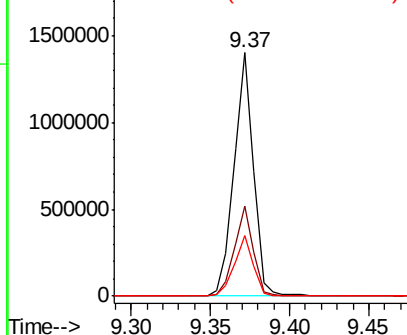


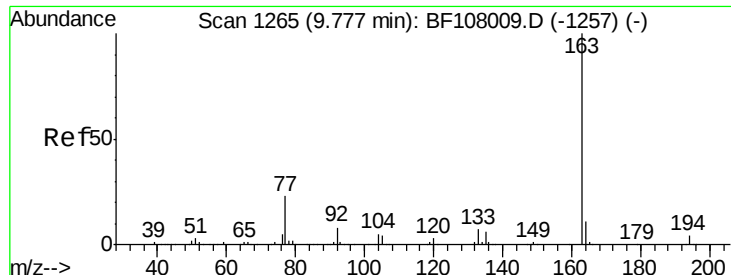
#44
 2-Fluorobiphenyl
 Concen: 85.953 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108218.D
 Acq: 17 Aug 2018 1:53

Tgt Ion:172 Resp: 1198080
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 24.8 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

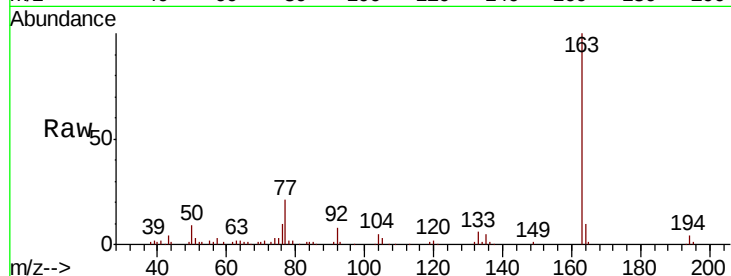




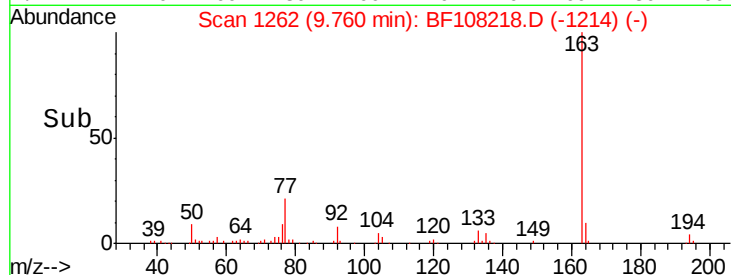
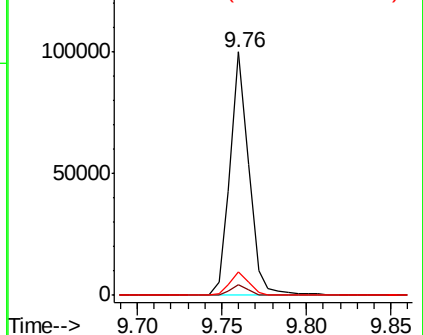
#49
Dimethylphthalate
Concen: 4.985 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108218.D
Acq: 17 Aug 2018 1:53

Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-017

Tgt Ion:163 Resp: 77709
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 9.8 8.2 12.2

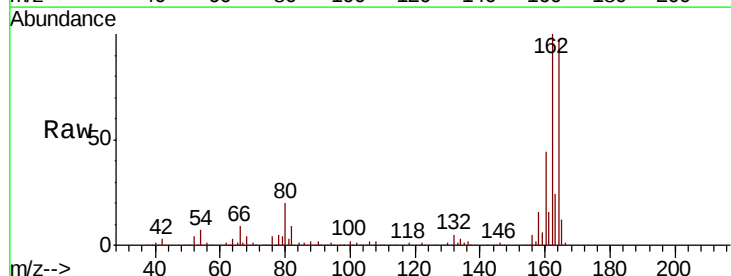


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

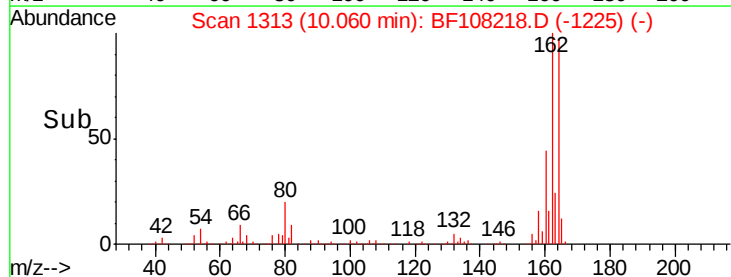
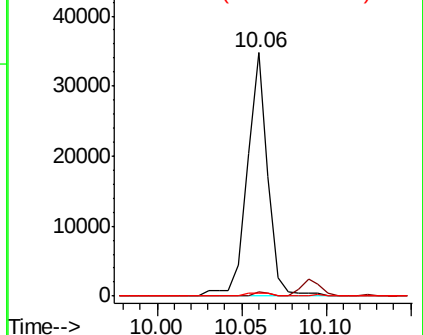


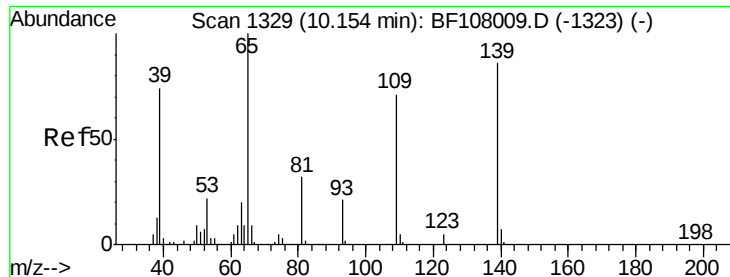
#50
2,6-Dinitrotoluene
Concen: 9.012 ng
RT: 10.06 min Scan# 1313
Delta R.T. 0.22 min
Lab File: BF108218.D
Acq: 17 Aug 2018 1:53

Tgt Ion:165 Resp: 29393
Ion Ratio Lower Upper
165 100
63 1.6 44.7 67.1#
89 1.2 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

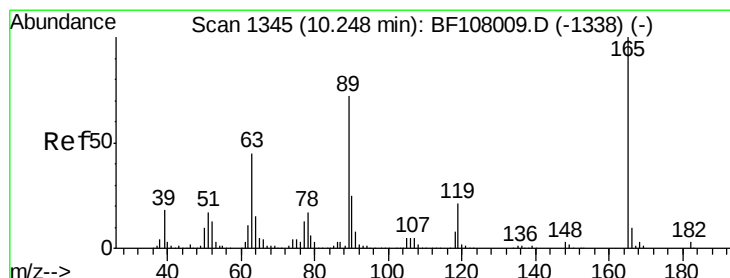
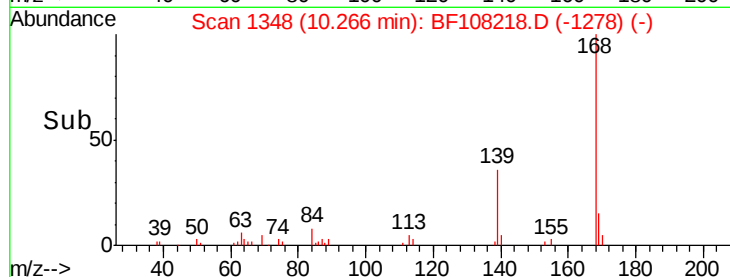
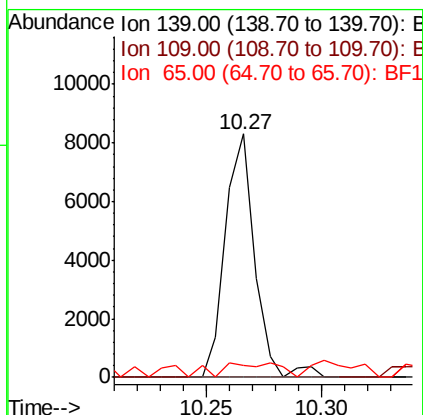
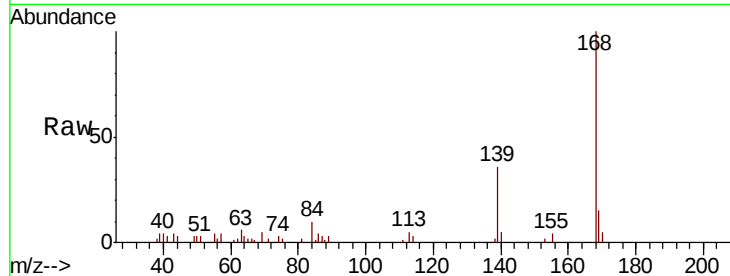




#55
4-Nitrophenol
Concen: 2.736 ng
RT: 10.27 min Scan# 1348
Delta R.T. 0.11 min
Lab File: BF108218.D
Acq: 17 Aug 2018 1:53

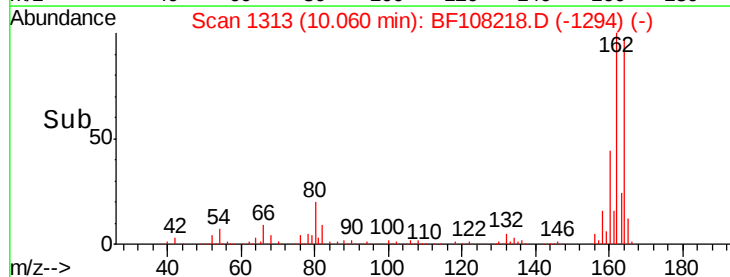
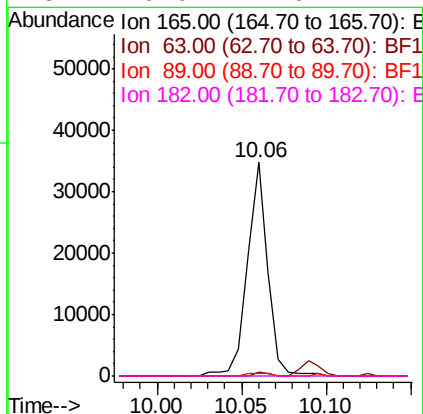
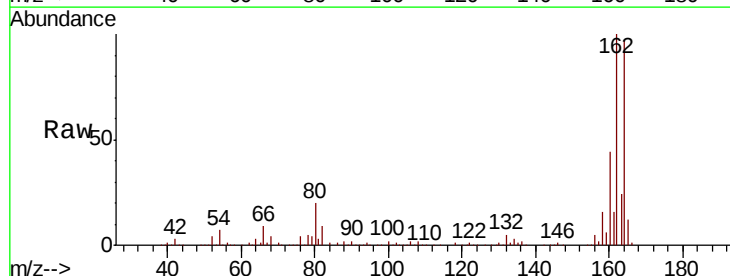
Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-017

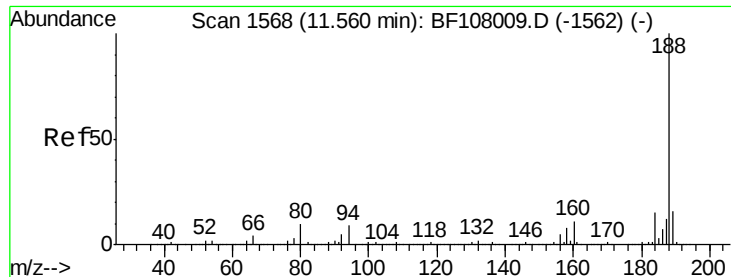
Tgt Ion:139 Resp: 7393
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 5.1 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 7.002 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BF108218.D
Acq: 17 Aug 2018 1:53

Tgt Ion:165 Resp: 29393
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.2 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: BF108218.D

Acq: 17 Aug 2018 1:53

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-017

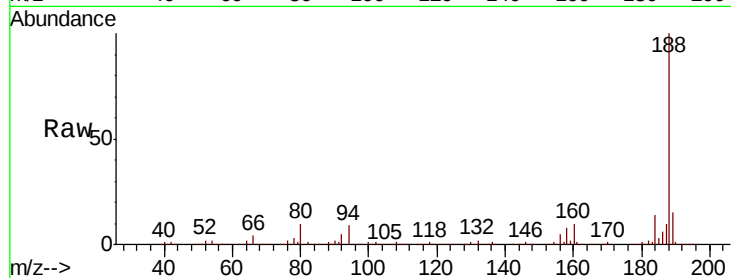
Tgt Ion:188 Resp: 401636

Ion Ratio Lower Upper

188 100

94 9.2 8.5 12.7

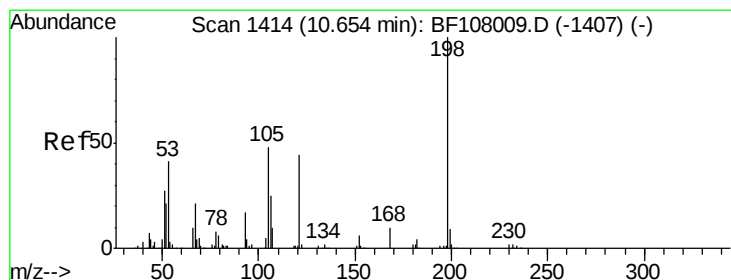
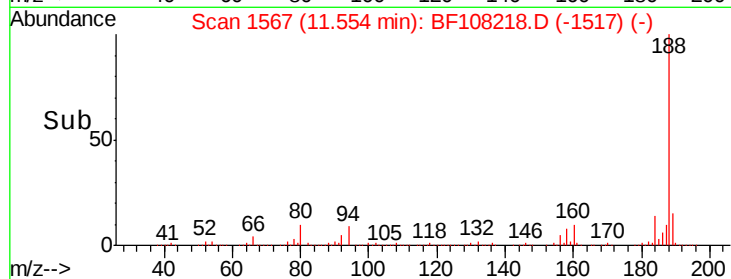
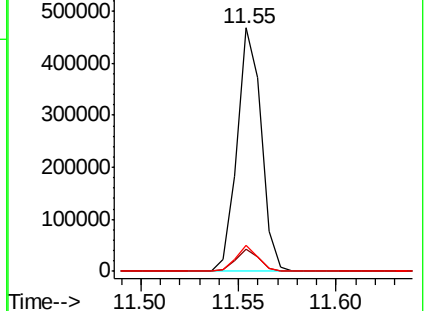
80 10.5 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 5.641 ng

RT: 10.85 min Scan# 1448

Delta R.T. 0.20 min

Lab File: BF108218.D

Acq: 17 Aug 2018 1:53

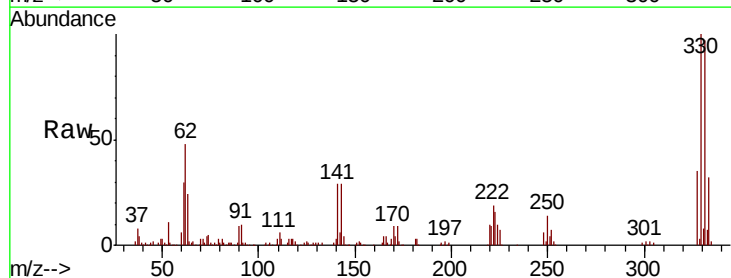
Tgt Ion:198 Resp: 479

Ion Ratio Lower Upper

198 100

51 248.9 37.7 77.7#

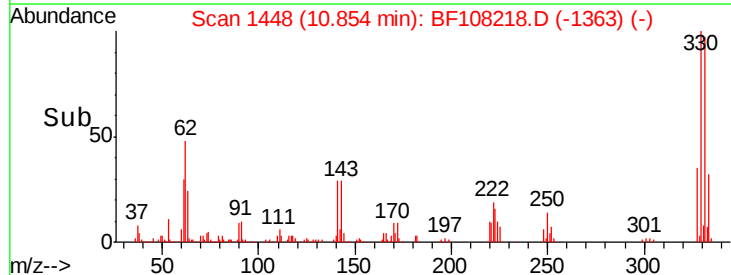
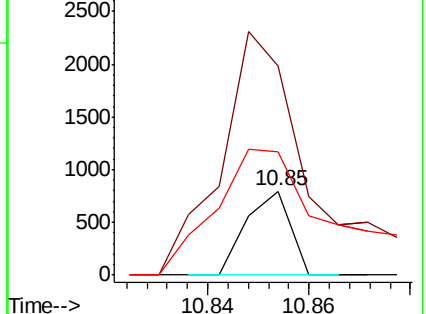
105 146.2 36.3 76.3#

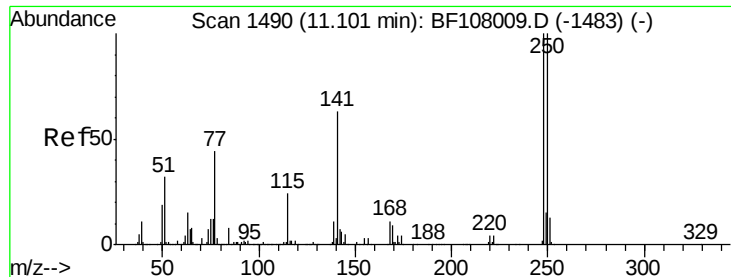


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

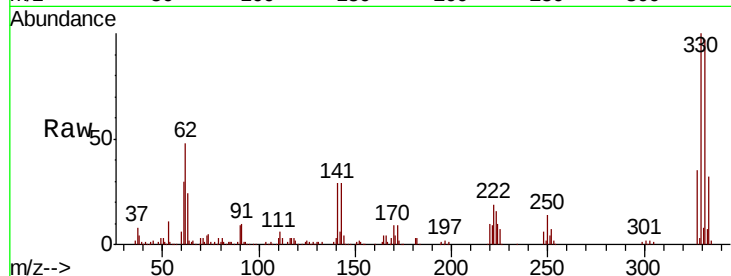




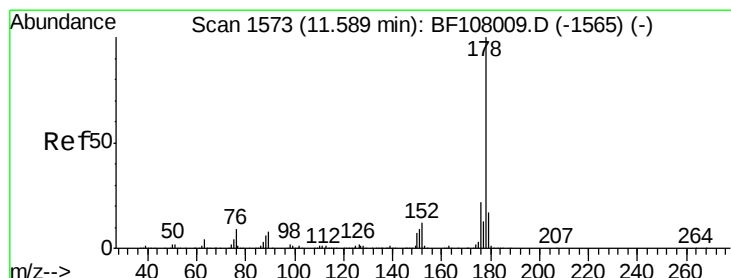
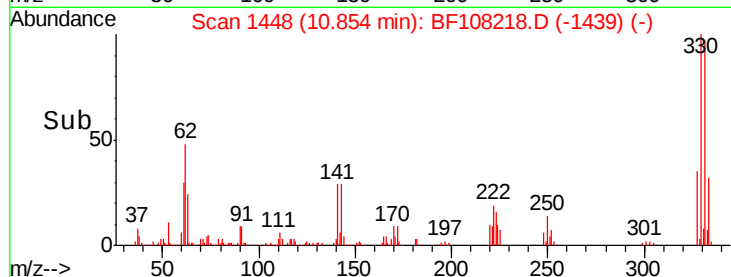
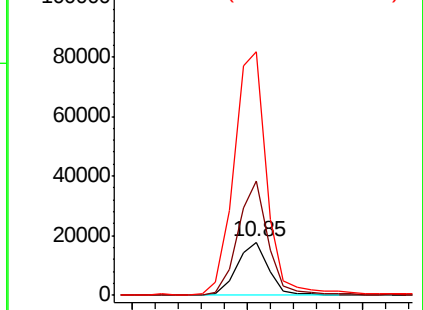
#66
 4-Bromophenyl-phenylether
 Concen: 3.866 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108218.D
 Acq: 17 Aug 2018 1:53

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-017

Tgt Ion:248 Resp: 16874
 Ion Ratio Lower Upper
 248 100
 250 217.1 76.9 115.3#
 141 460.1 74.4 111.6#

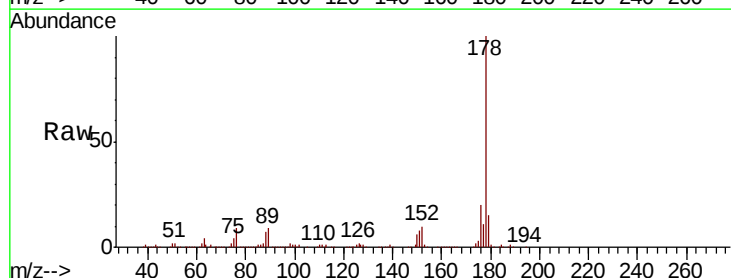


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

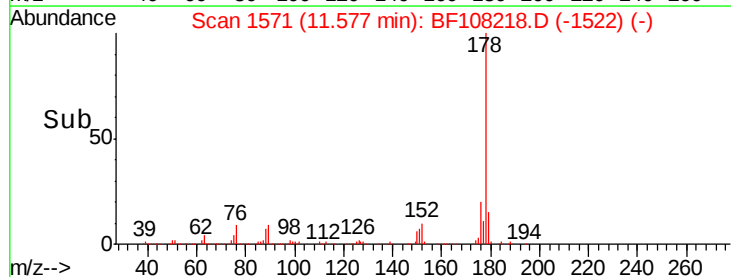
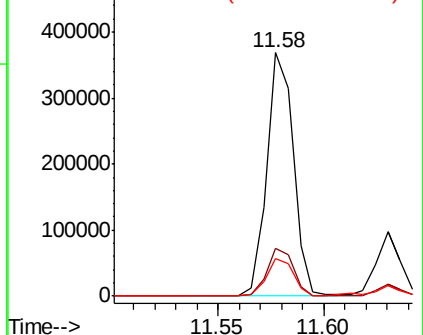


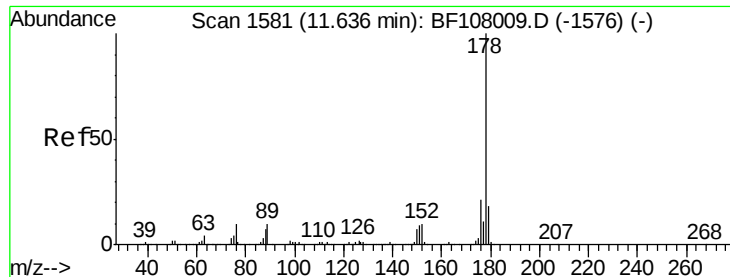
#70
 Phenanthrene
 Concen: 17.192 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF108218.D
 Acq: 17 Aug 2018 1:53

Tgt Ion:178 Resp: 325679
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 15.5 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

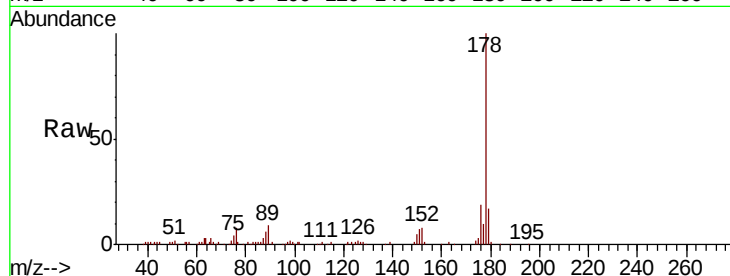




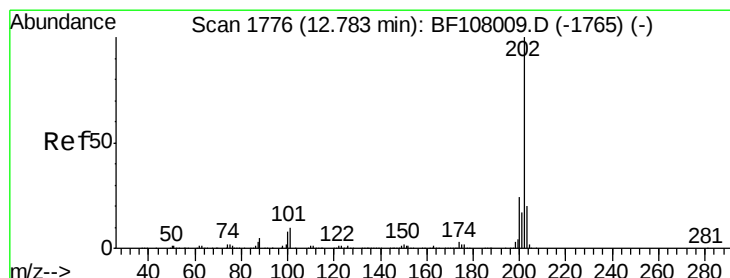
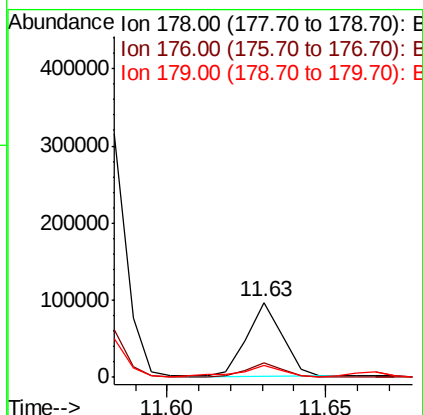
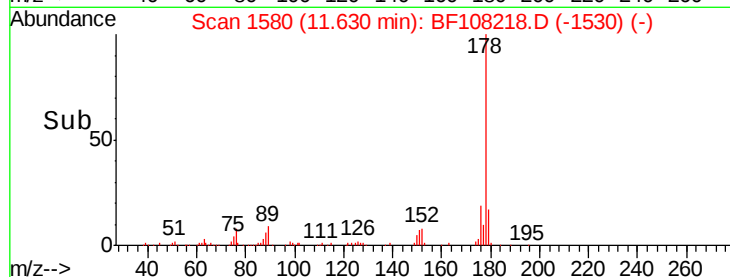
#71
 Anthracene
 Concen: 3.870 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108218.D
 Acq: 17 Aug 2018 1:53

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-017

Tgt Ion:178 Resp: 75147
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 16.5 12.6 19.0

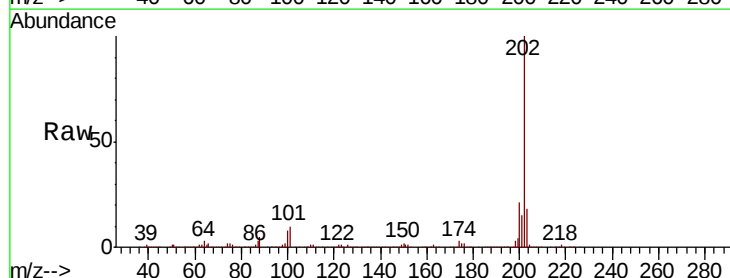


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

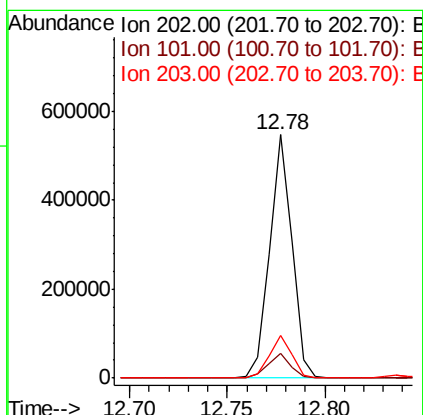
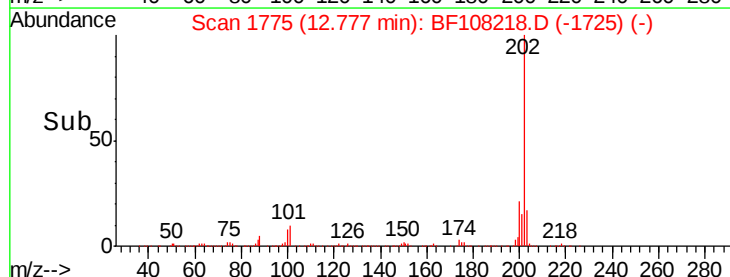


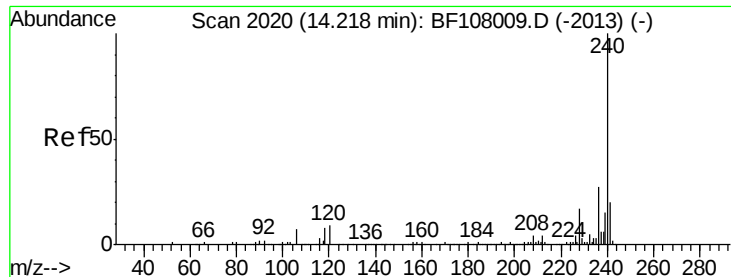
#74
 Fluoranthene
 Concen: 20.856 ng
 RT: 12.78 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF108218.D
 Acq: 17 Aug 2018 1:53

Tgt Ion:202 Resp: 431197
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 34.1
 203 17.5 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: BF108218.D

Acq: 17 Aug 2018 1:53

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-017

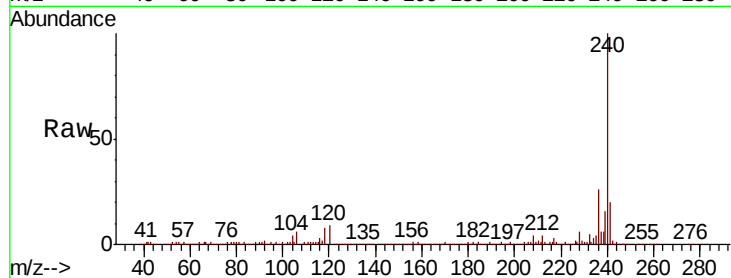
Tgt Ion:240 Resp: 414988

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

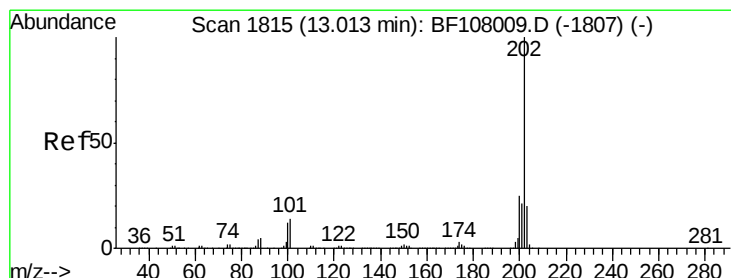
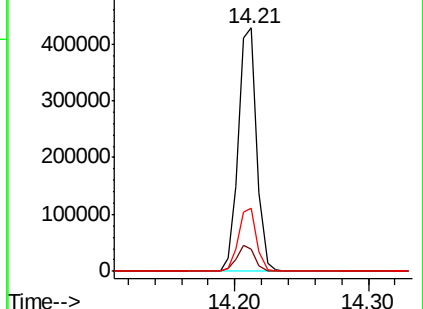
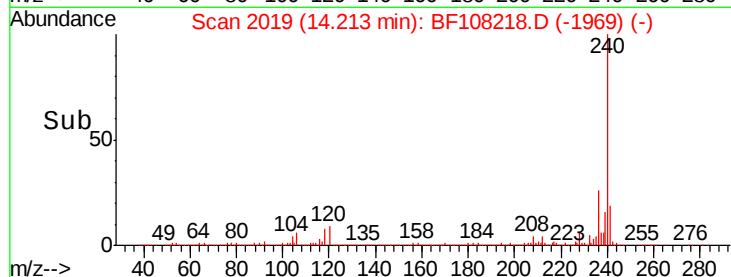
236 26.0 20.7 31.1



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: 14.577 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108218.D

Acq: 17 Aug 2018 1:53

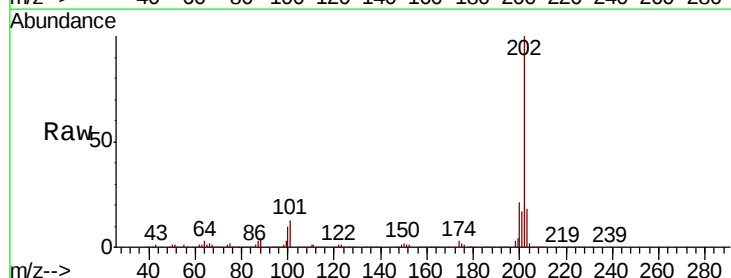
Tgt Ion:202 Resp: 382977

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

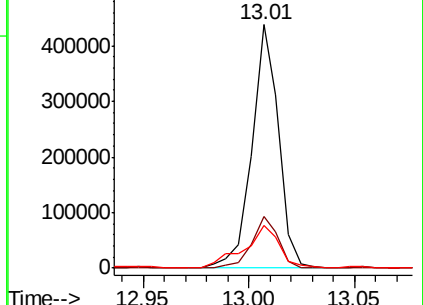
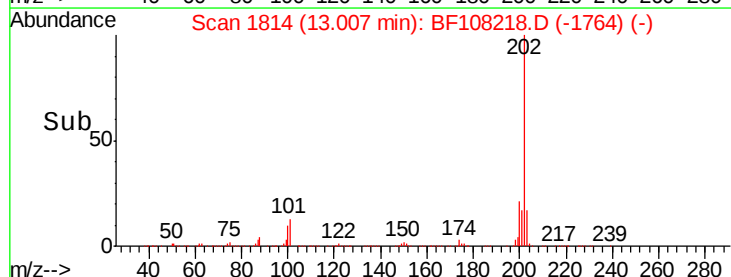
203 17.7 14.3 21.5

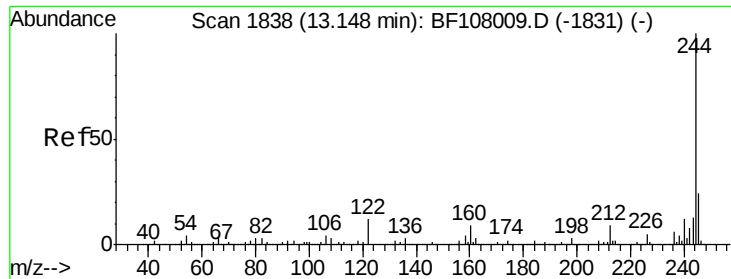


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

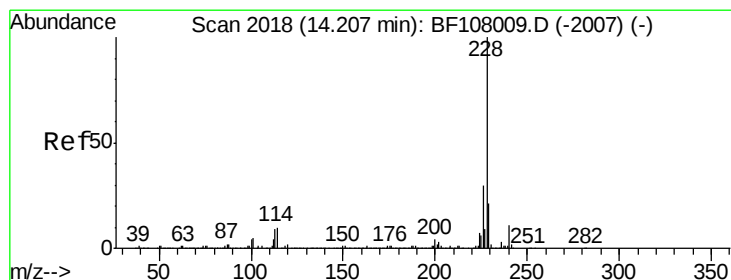
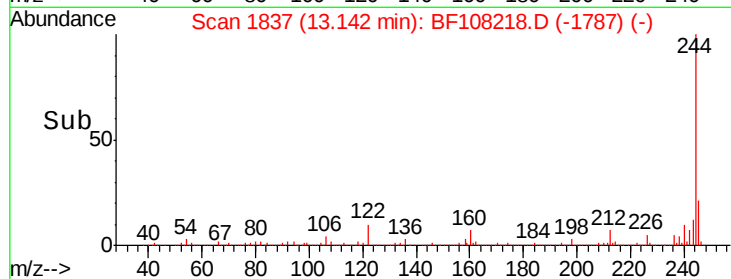
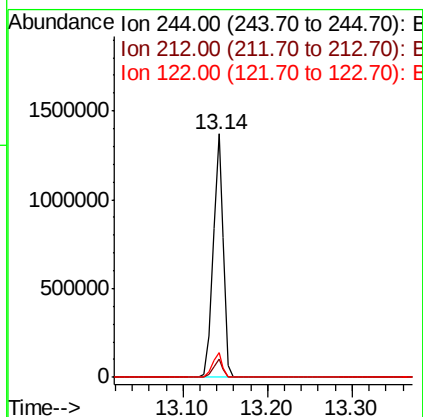
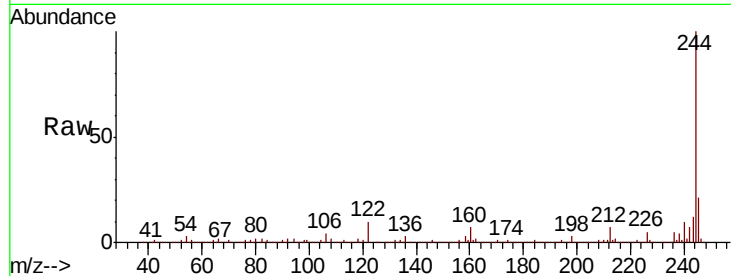




#78
 Terphenyl-d14
 Concen: 72.329 ng
 RT: 13.14 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF108218.D
 Acq: 17 Aug 2018 1:53

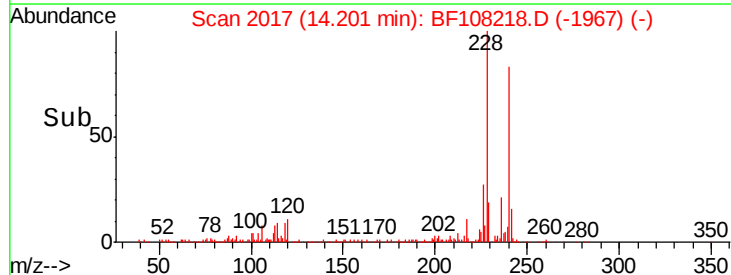
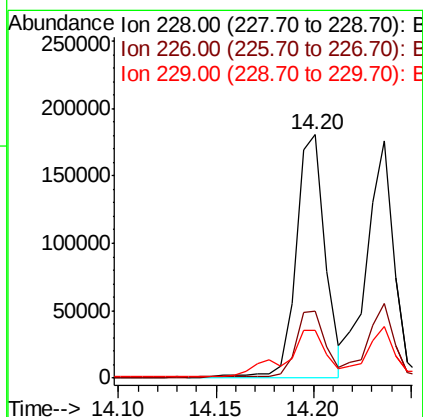
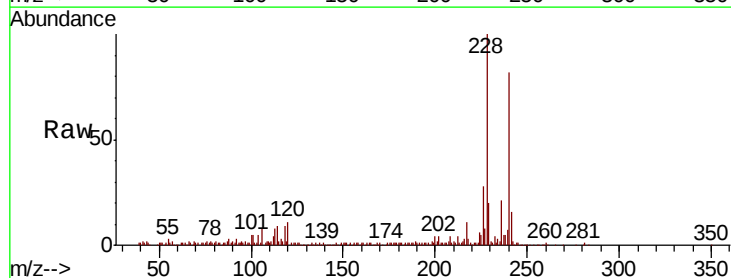
Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-017

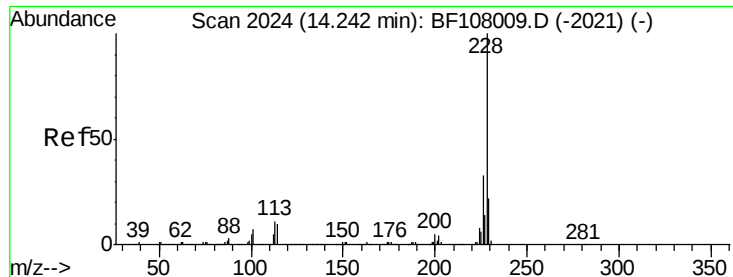
Tgt Ion: 244 Resp: 1180526
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.4 8.0
 122 10.3 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 7.762 ng
 RT: 14.20 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF108218.D
 Acq: 17 Aug 2018 1:53

Tgt Ion: 228 Resp: 184871
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.6 33.8
 229 19.7 15.8 23.6

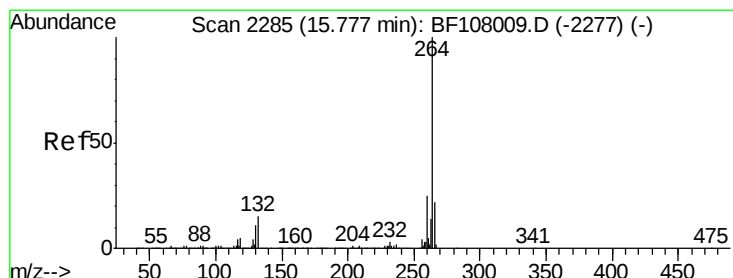
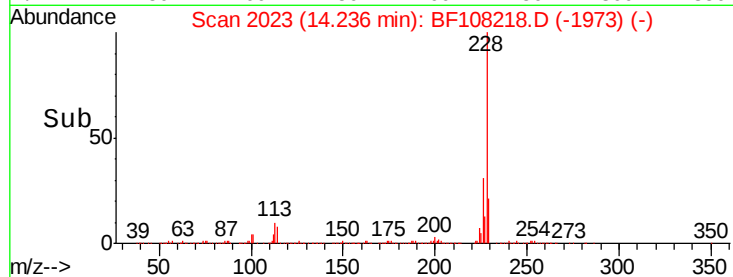
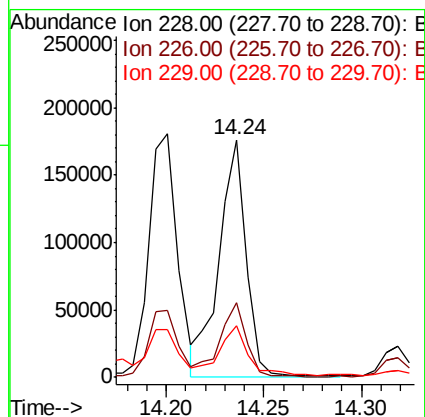
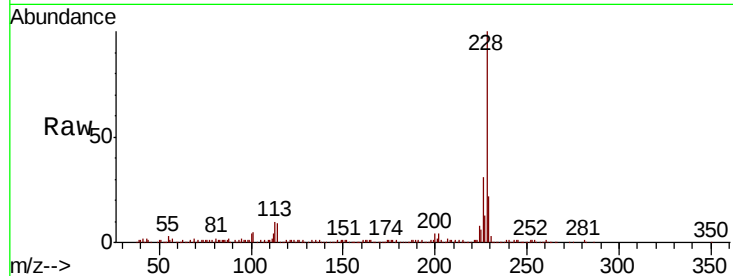




#82
Chrysene
Concen: 7.725 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108218.D
Acq: 17 Aug 2018 1:53

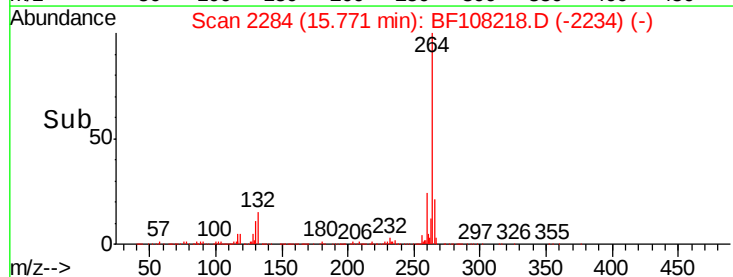
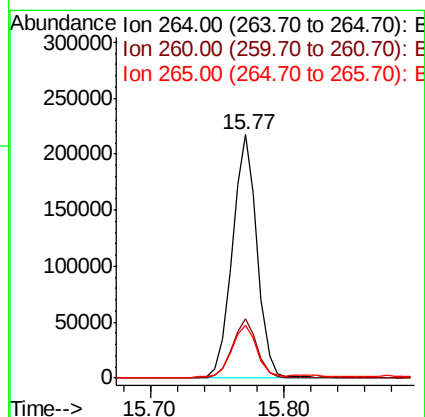
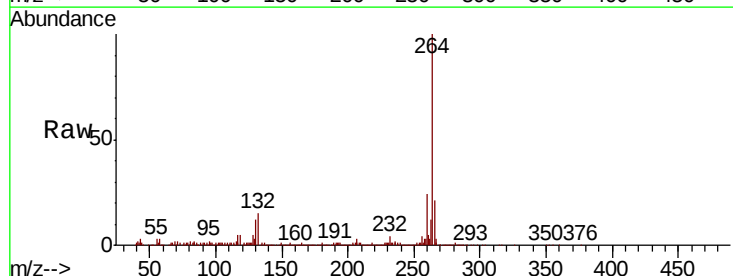
Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-017

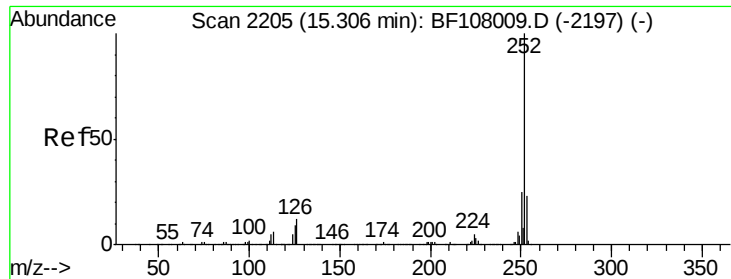
Tgt Ion: 228 Resp: 168673
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.6
229 21.9 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108218.D
Acq: 17 Aug 2018 1:53

Tgt Ion: 264 Resp: 280524
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.5 17.5 26.3

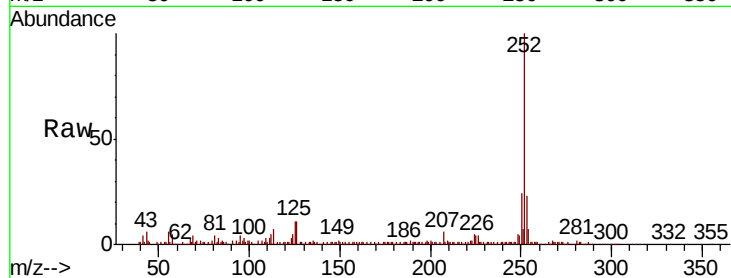




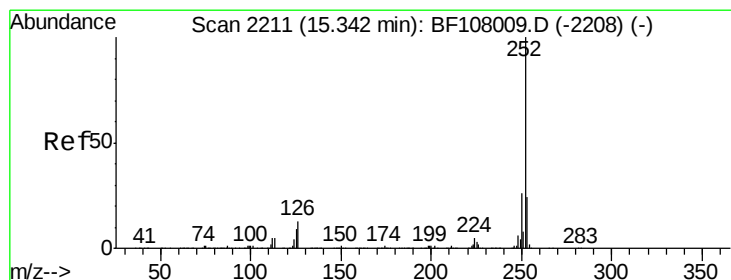
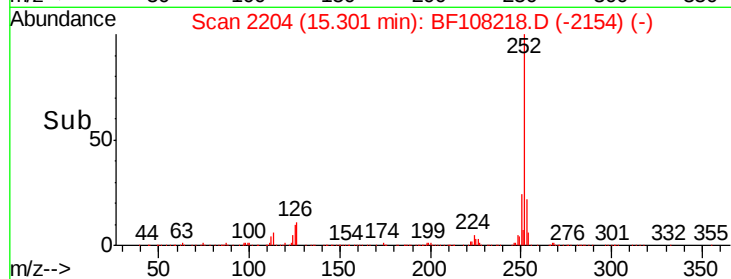
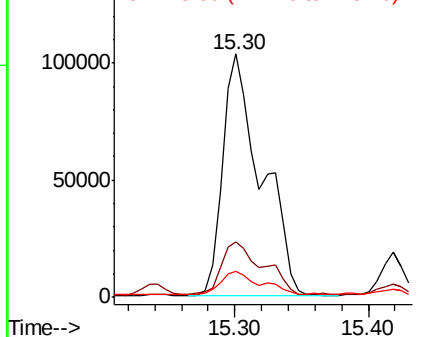
#87
Benzo(b)fluoranthene
Concen: 12.521 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108218.D
Acq: 17 Aug 2018 1:53

Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-017

Tgt Ion:252 Resp: 209891
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 10.8 9.0 13.6

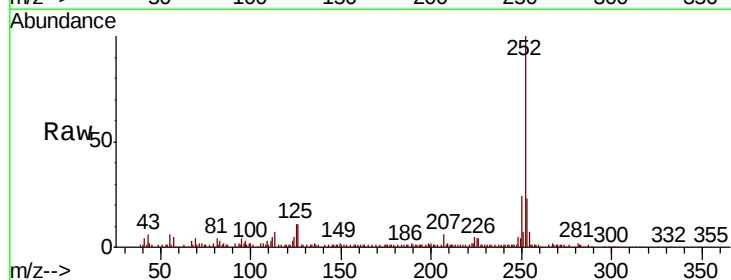


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

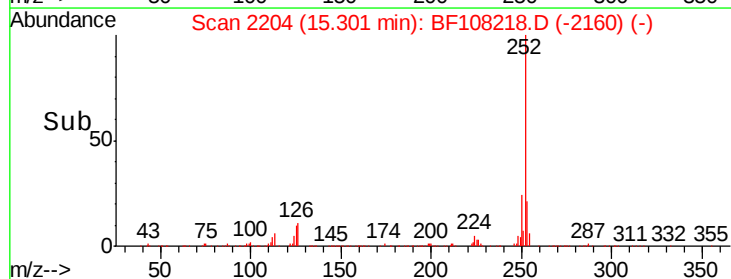
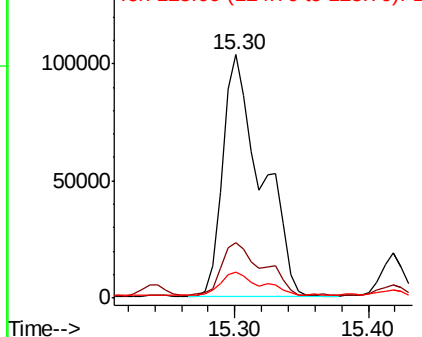


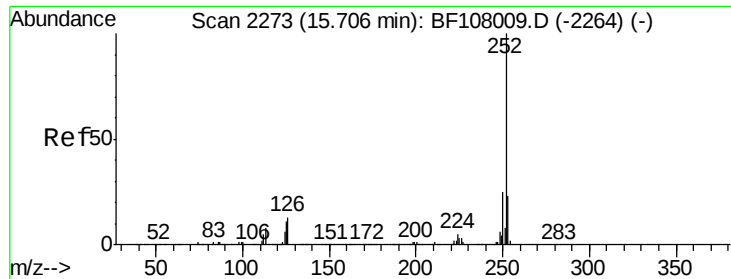
#88
Benzo(k)fluoranthene
Concen: 13.622 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF108218.D
Acq: 17 Aug 2018 1:53

Tgt Ion:252 Resp: 209891
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 10.8 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: 6.964 ng

RT: 15.70 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF108218.D

Acq: 17 Aug 2018 1:53

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-017

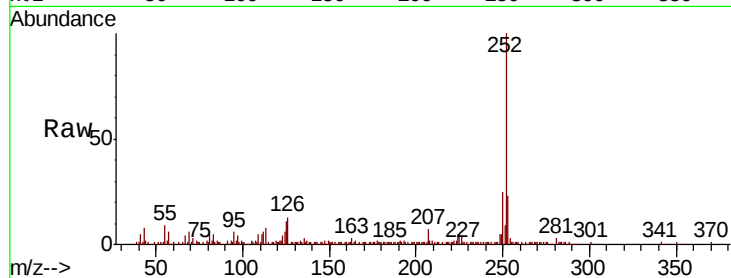
Tgt Ion:252 Resp: 104526

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

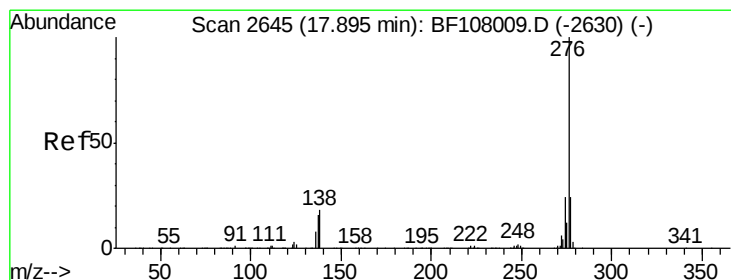
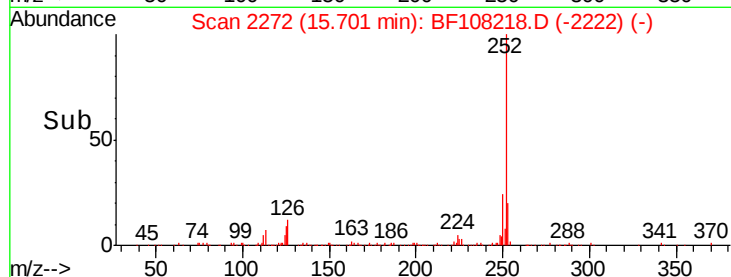
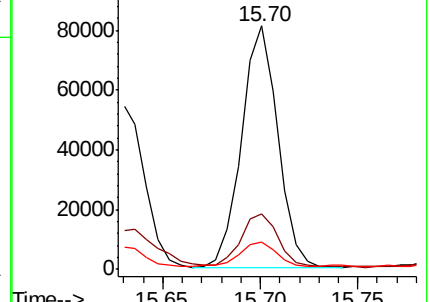
125 11.0 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 4.104 ng

RT: 17.88 min Scan# 2642

Delta R.T. -0.02 min

Lab File: BF108218.D

Acq: 17 Aug 2018 1:53

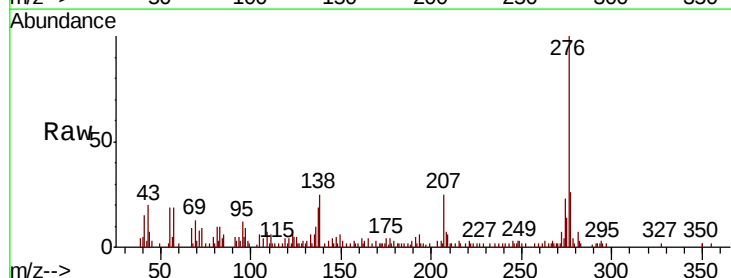
Tgt Ion:276 Resp: 50190

Ion Ratio Lower Upper

276 100

277 25.6 17.9 26.9

138 24.5 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

