

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
 Data File : BF108127.D
 Acq On : 13 Aug 2018 20:15
 Operator : JU/SJ
 Sample : J4442-31
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-4

Quant Time: Aug 14 01:12:00 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

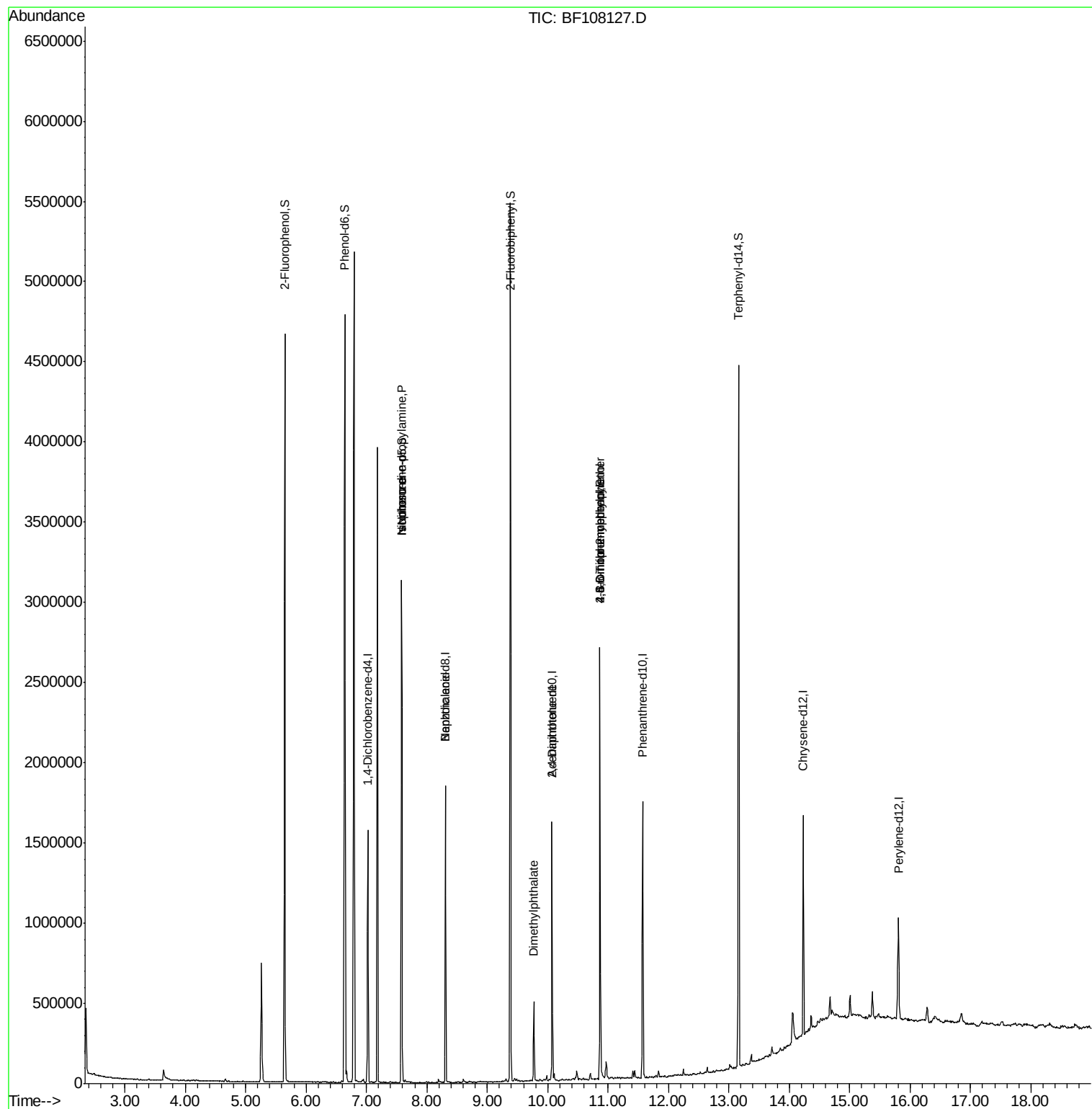
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	204064	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	725921	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	321334	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	586494	20.00	ng	0.01
75) Chrysene-d12	14.23	240	451996	20.00	ng	0.01
86) Perylene-d12	15.81	264	303149	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1180030	104.69	ng	0.02
7) Phenol-d6	6.64	99	1546334	103.24	ng	0.01
23) Nitrobenzene-d5	7.58	82	973023	74.80	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	338058	105.47	ng	0.01
44) 2-Fluorobiphenyl	9.38	172	1566263	78.25	ng	0.00
78) Terphenyl-d14	13.16	244	1538835	86.56	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	133290	13.160	ng	# 87
25) Isophorone	7.58	82	973007	39.241	ng	# 64
32) Benzoic acid	8.31	122	118	5.991	ng	# 1
49) Dimethylphthalate	9.77	163	160734	7.181	ng	# 99
56) 2,4-Dinitrotoluene	10.07	165	41282	6.848	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.87	198	805	5.683	ng	# 1
66) 4-Bromophenyl-phenylether	10.87	248	22205	3.484	ng	# 1

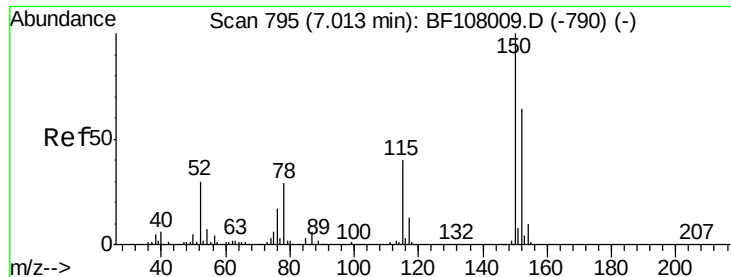
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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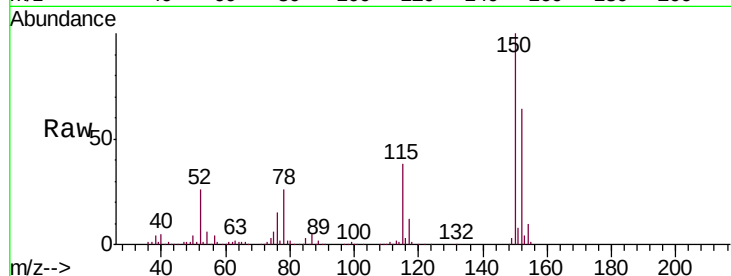


#1

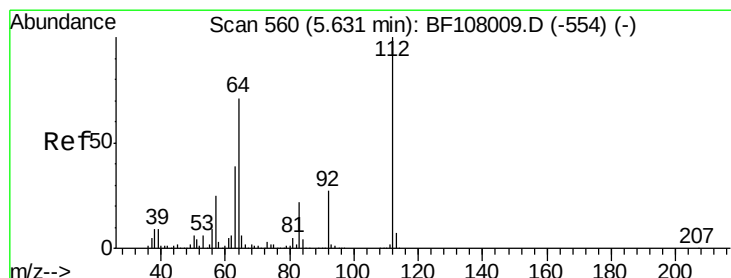
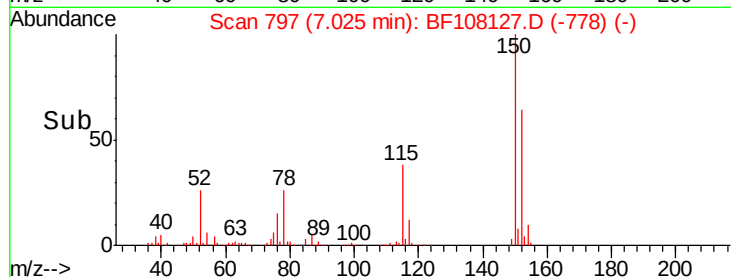
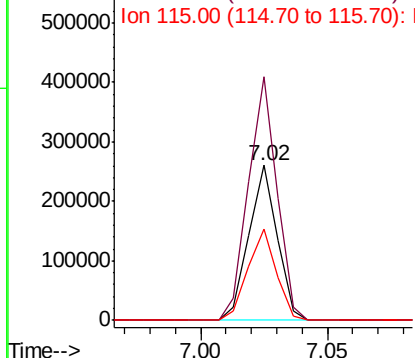
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108127.D
Acq: 13 Aug 2018 20:15

Instrument :
BNA_F
ClientSampleId :
SP-1-4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	59.2	50.1	75.1



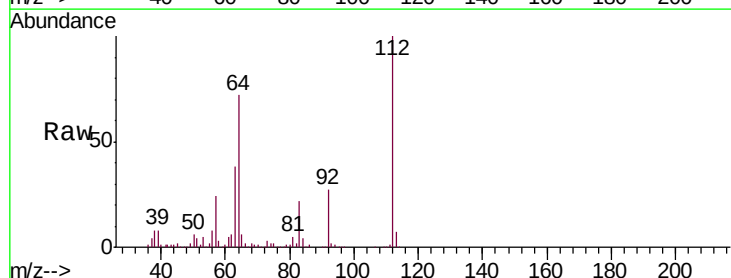
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



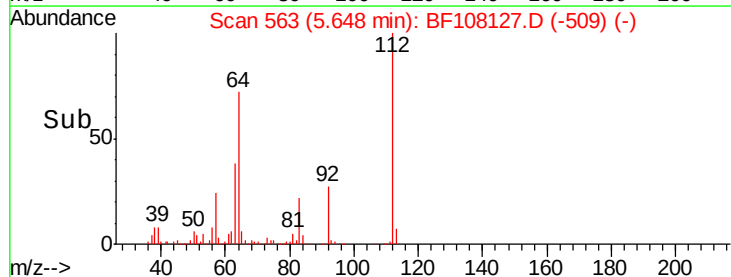
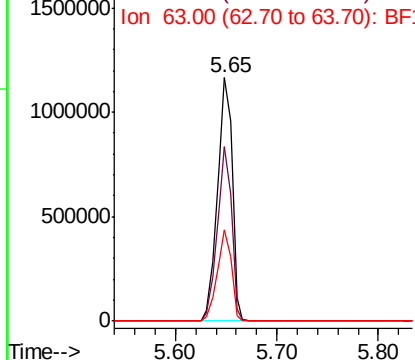
#5

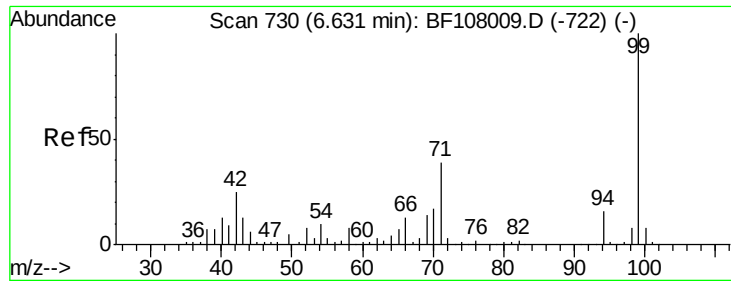
2-Fluorophenol
Concen: 104.692 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108127.D
Acq: 13 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.5	47.9	71.9
63	37.7	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: 103.239 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108127.D

Acq: 13 Aug 2018 20:15

Instrument :

BNA_F

ClientSampleId :

SP-1-4

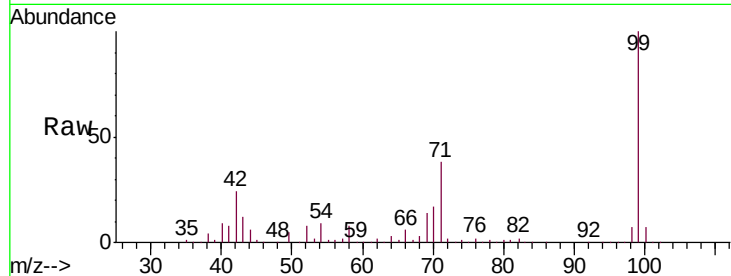
Tgt Ion: 99 Resp: 1546334

Ion Ratio Lower Upper

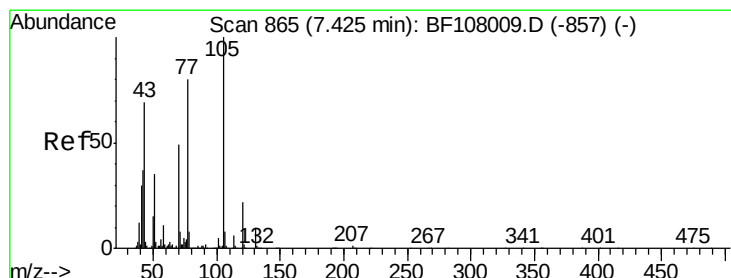
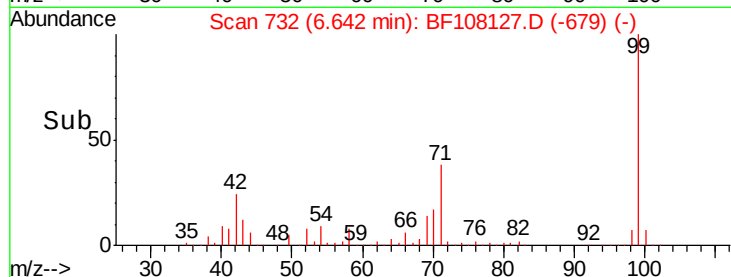
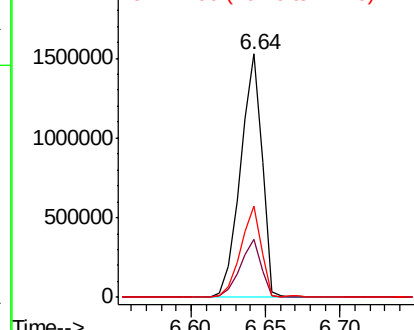
99 100

42 24.1 14.5 21.7#

71 37.6 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: 13.160 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.16 min

Lab File: BF108127.D

Acq: 13 Aug 2018 20:15

Tgt Ion: 70 Resp: 133290

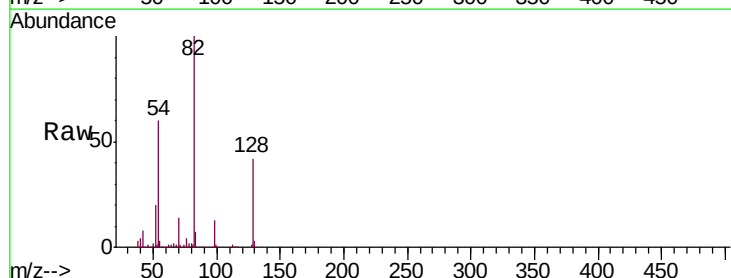
Ion Ratio Lower Upper

70 100

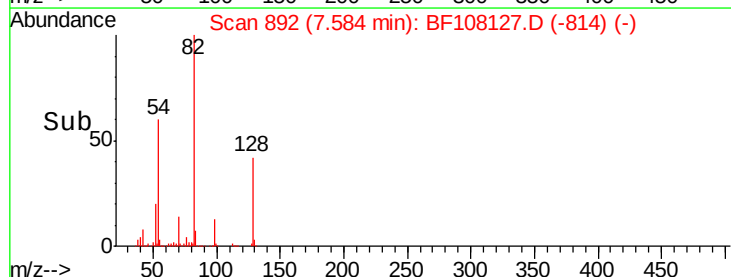
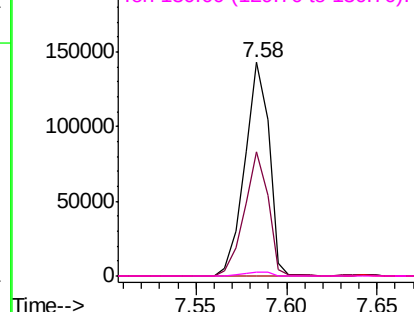
42 57.9 47.5 71.3

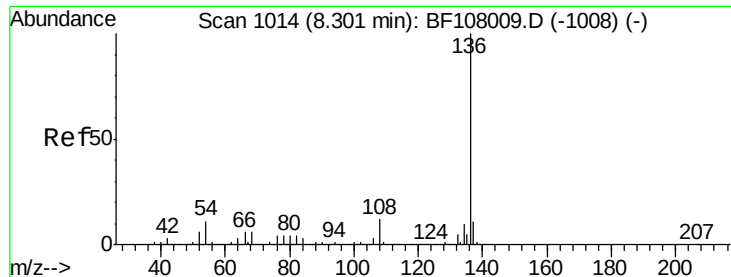
101 0.0 7.4 11.2#

130 1.9 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

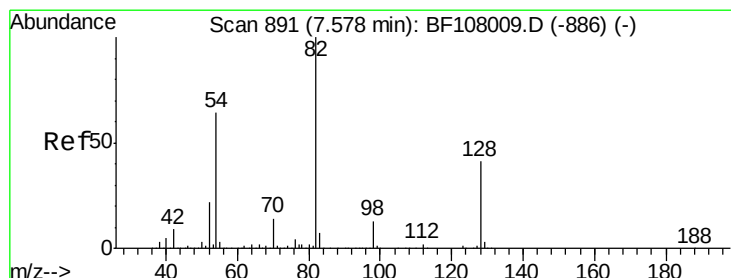
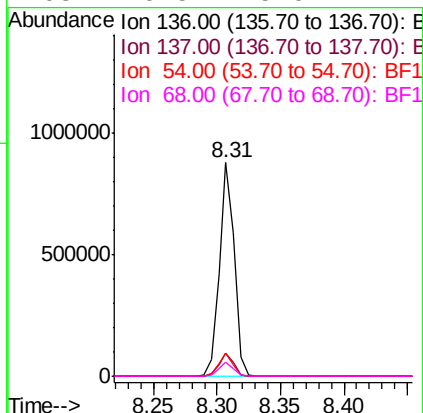
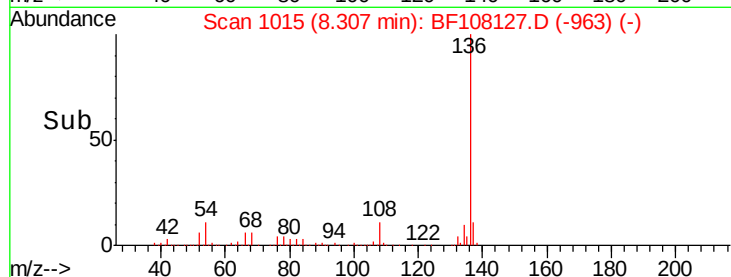
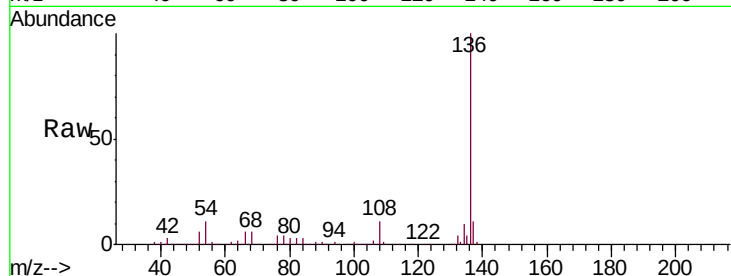




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.31 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF108127.D
Acq: 13 Aug 2018 20:15

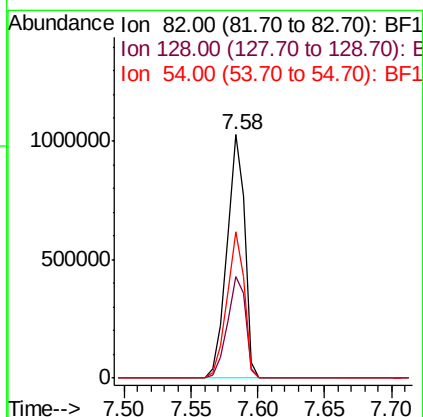
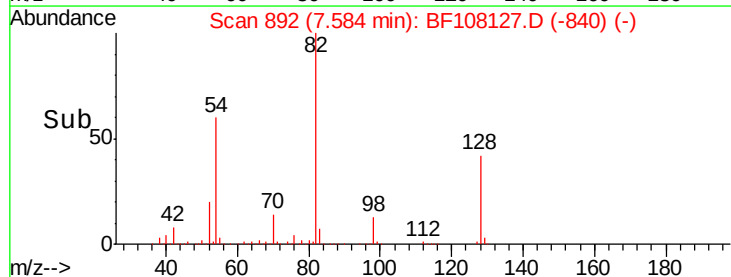
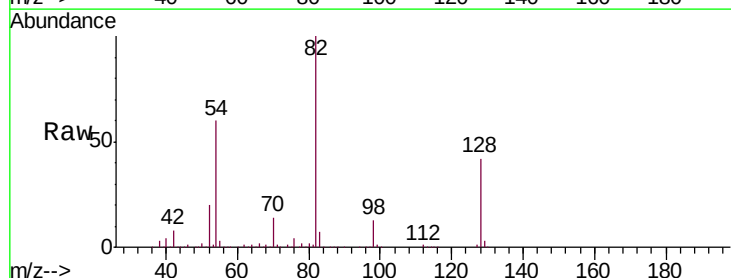
Instrument :
BNA_F
ClientSampleId :
SP-1-4

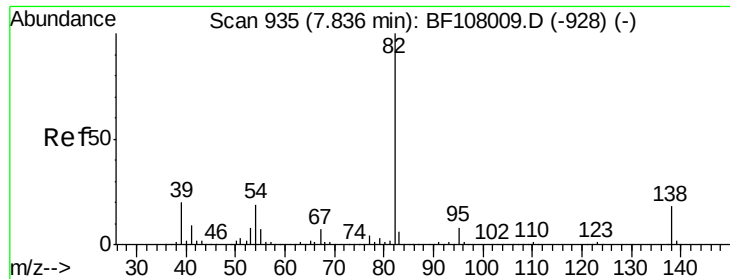
Tgt Ion:	136	Resp:	725921
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	10.7	6.6	9.8#
68	6.5	5.0	7.4



#23
Nitrobenzene-d5
Concen: 74.796 ng
RT: 7.58 min Scan# 892
Delta R.T. 0.01 min
Lab File: BF108127.D
Acq: 13 Aug 2018 20:15

Tgt Ion:	82	Resp:	973023
Ion	Ratio	Lower	Upper
82	100		
128	41.6	36.1	54.1
54	59.9	41.4	62.2





#25

Isophorone

Concen: 39.241 ng

RT: 7.58 min Scan# 892

Delta R.T. -0.25 min

Lab File: BF108127.D

Acq: 13 Aug 2018 20:15

Instrument :

BNA_F

ClientSampled :

SP-1-4

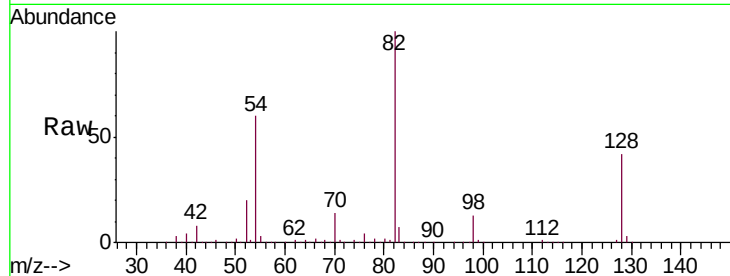
Tgt Ion: 82 Resp: 973007

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

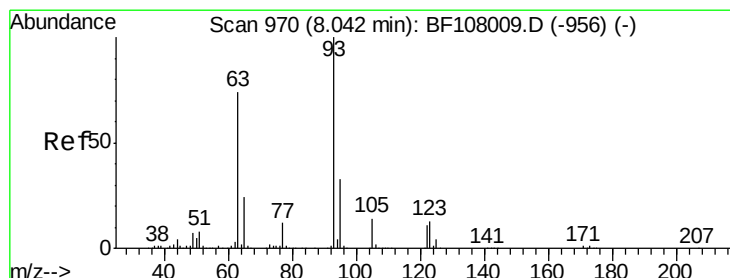
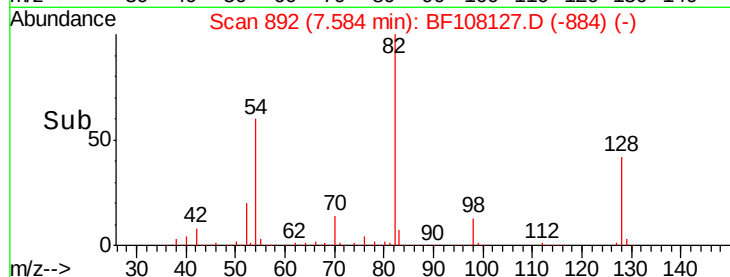
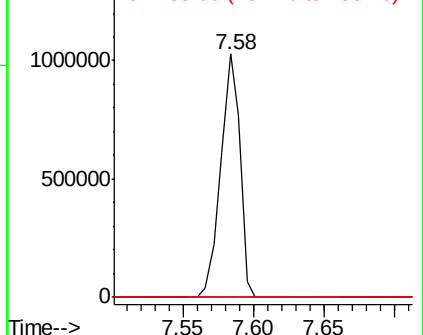
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 5.991 ng

RT: 8.31 min Scan# 1015

Delta R.T. 0.27 min

Lab File: BF108127.D

Acq: 13 Aug 2018 20:15

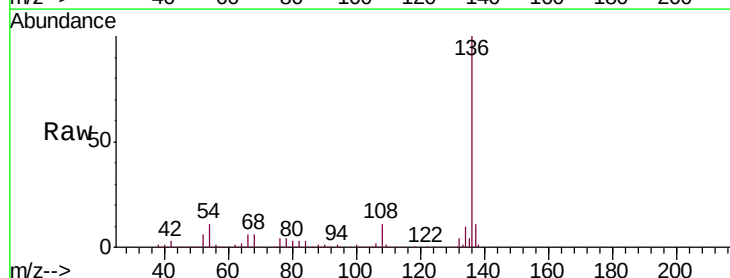
Tgt Ion: 122 Resp: 118

Ion Ratio Lower Upper

122 100

105 166.3 101.1 141.1#

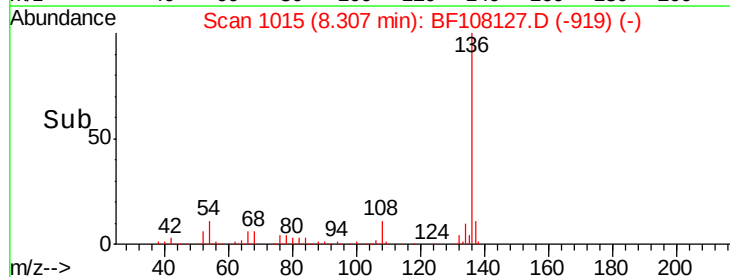
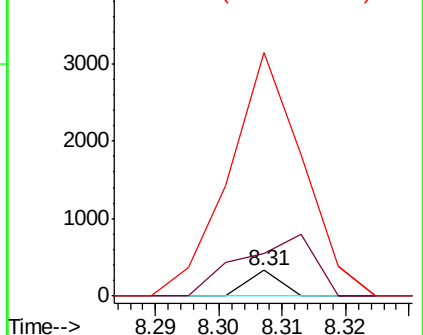
77 937.6 70.7 110.7#

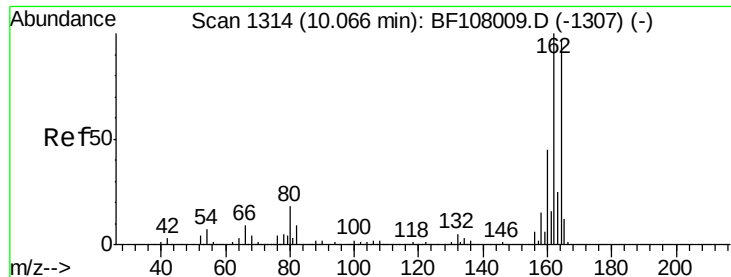


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

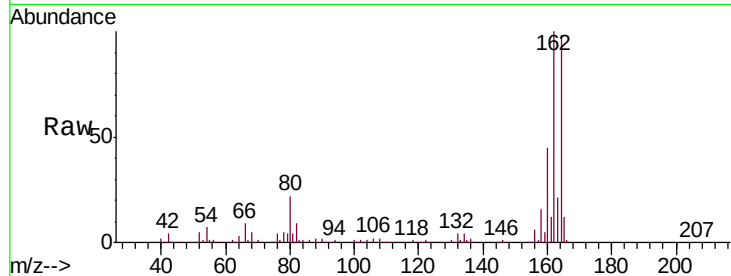




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: BF108127.D
 Acq: 13 Aug 2018 20:15

Instrument :
 BNA_F
 ClientSampled :
 SP-1-4

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	46.2	38.3	57.5

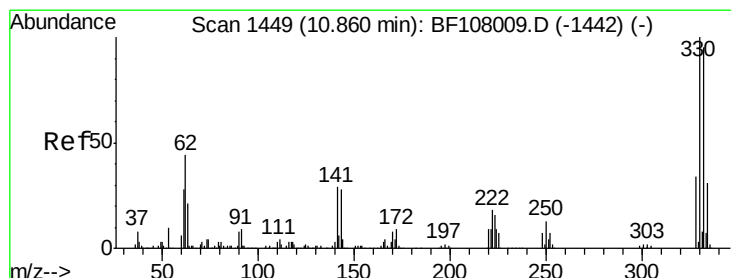
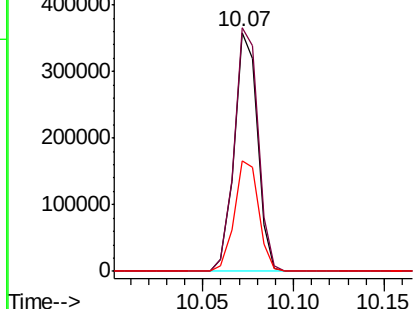
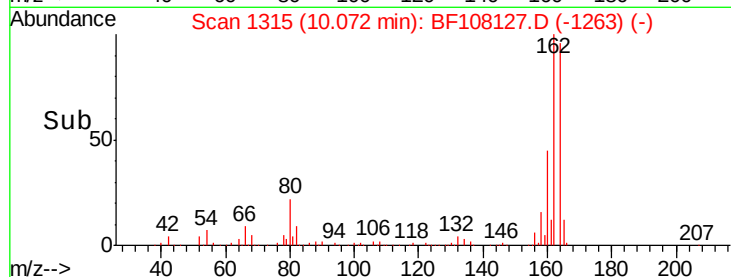


Abundance

Ion 164.00 (163.70 to 164.70): E

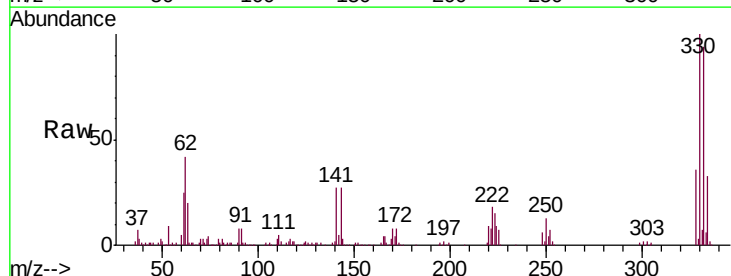
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
 2,4,6-Tribromophenol
 Concen: 105.471 ng
 RT: 10.87 min Scan# 1451
 Delta R.T. 0.01 min
 Lab File: BF108127.D
 Acq: 13 Aug 2018 20:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.0	115.6
141	32.9	29.9	44.9

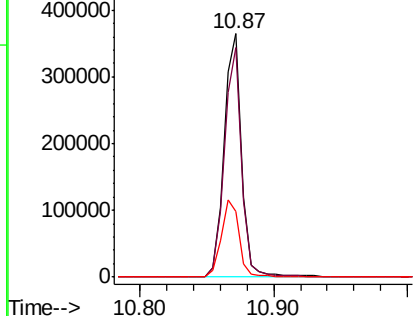
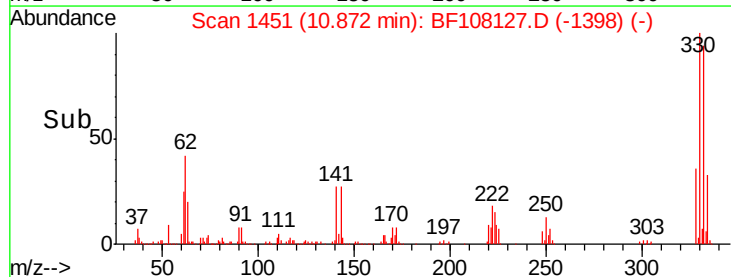


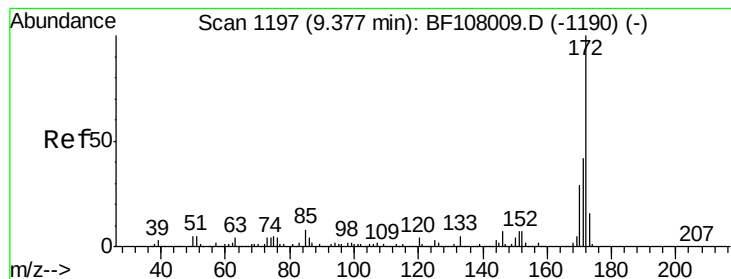
Abundance

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

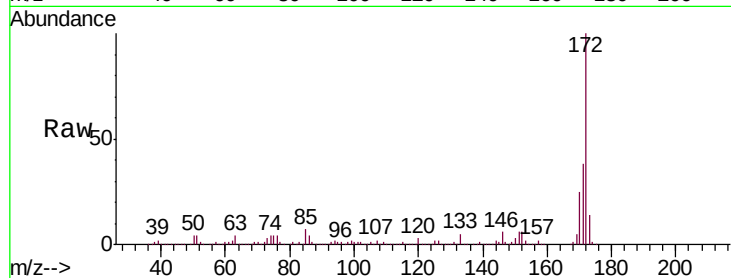




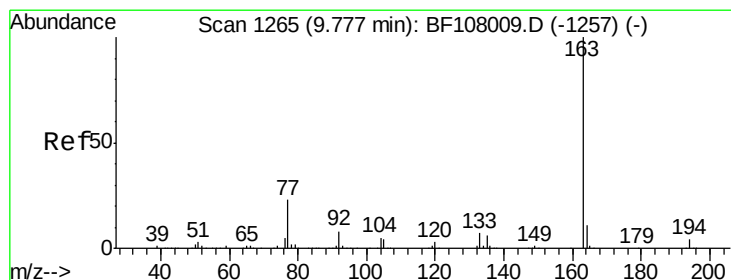
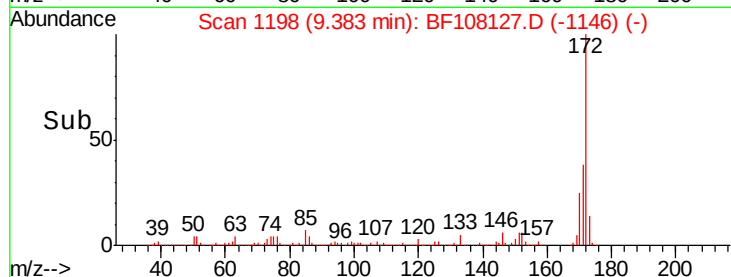
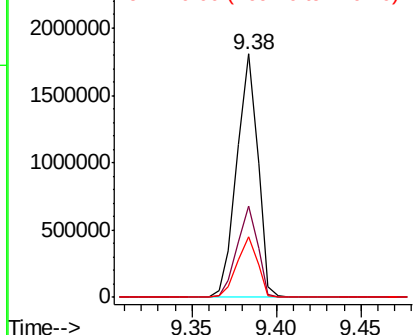
#44
2-Fluorobiphenyl
Concen: 78.255 ng
RT: 9.38 min Scan# 1198
Delta R.T. 0.01 min
Lab File: BF108127.D
Acq: 13 Aug 2018 20:15

Instrument :
BNA_F
ClientSampled :
SP-1-4

Tgt Ion:172 Resp: 1566263
Ion Ratio Lower Upper
172 100
171 37.6 29.7 44.5
170 25.1 19.6 29.4

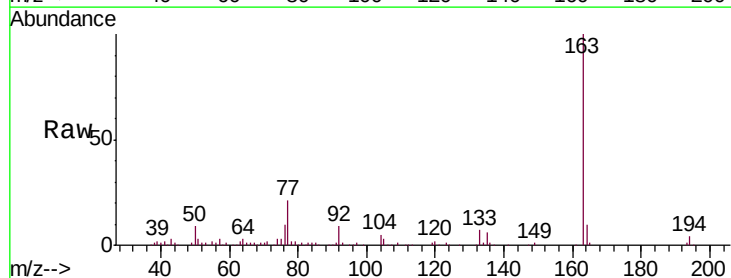


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

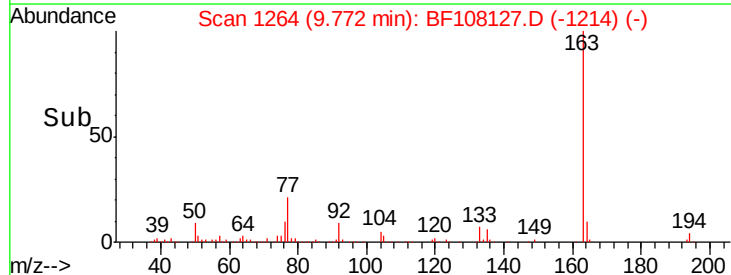
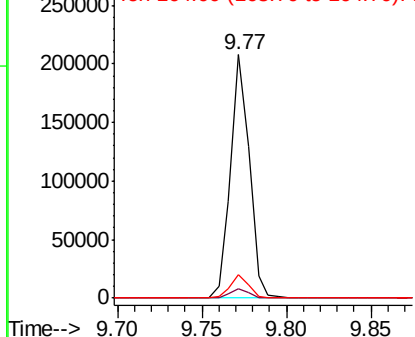


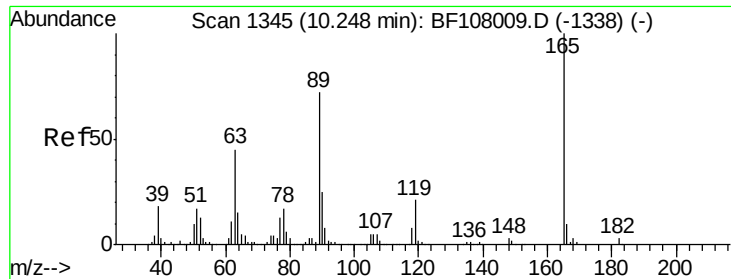
#49
Dimethylphthalate
Concen: 7.181 ng
RT: 9.77 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF108127.D
Acq: 13 Aug 2018 20:15

Tgt Ion:163 Resp: 160734
Ion Ratio Lower Upper
163 100
194 3.9 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

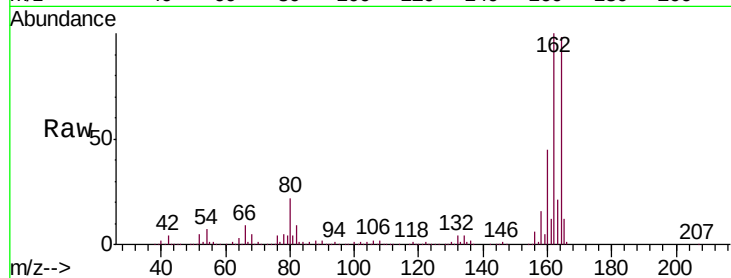




#56
 2,4-Dinitrotoluene
 Concen: 6.848 ng
 RT: 10.07 min Scan# 1315
 Delta R.T. -0.18 min
 Lab File: BF108127.D
 Acq: 13 Aug 2018 20:15

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-4

Tgt 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#

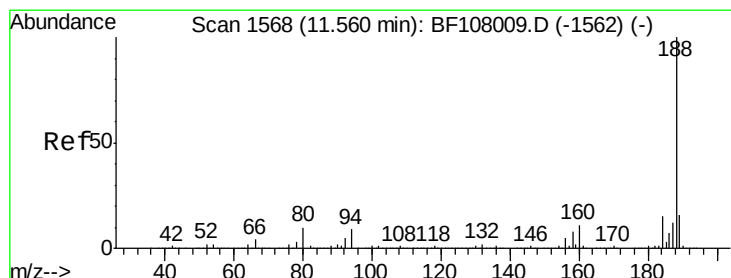
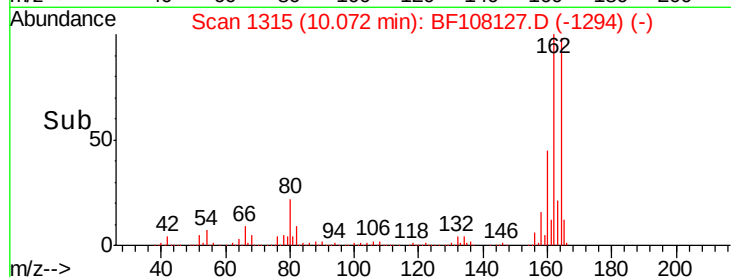
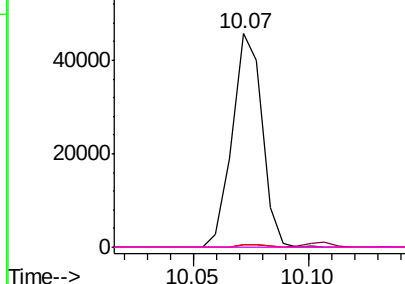


Abundance Ion 165.00 (164.70 to 165.70): E

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



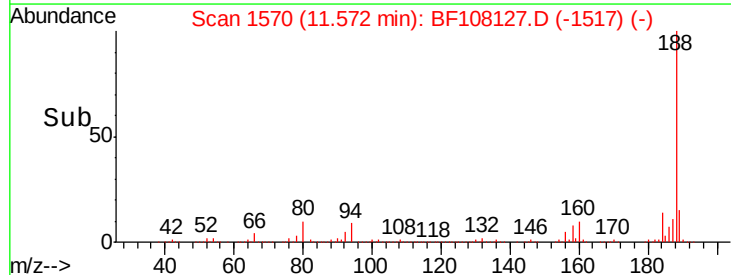
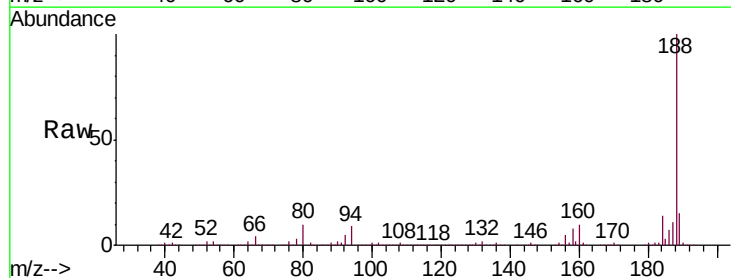
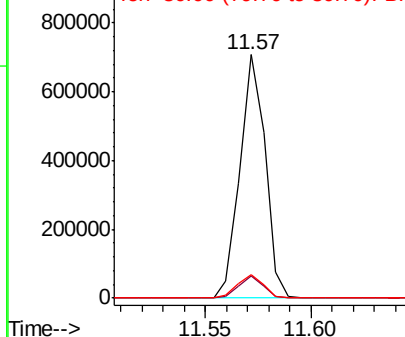
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF108127.D
 Acq: 13 Aug 2018 20:15

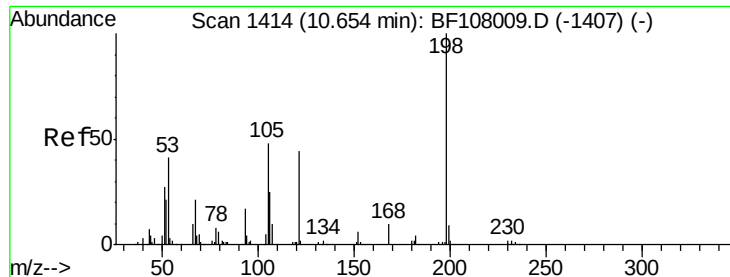
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	9.8	9.2	13.8

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

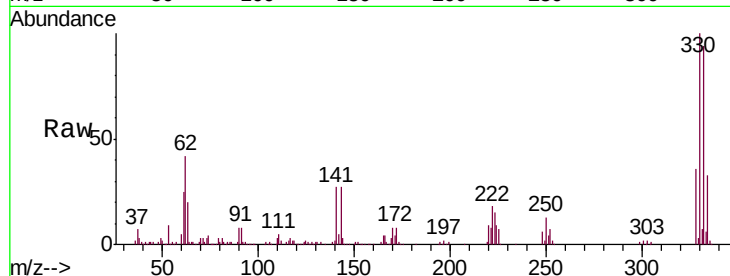




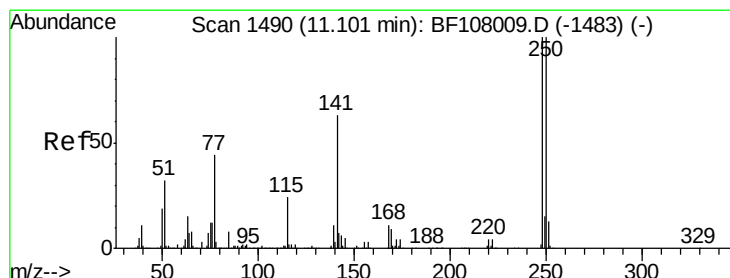
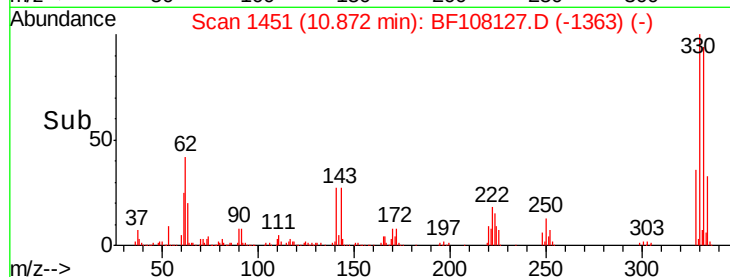
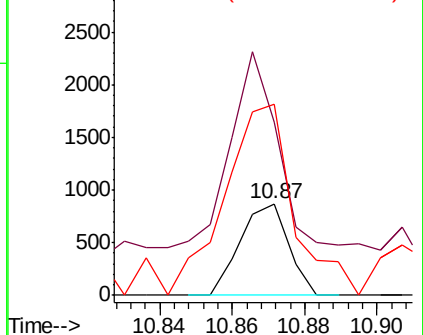
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.683 ng
 RT: 10.87 min Scan# 1451
 Delta R.T. 0.22 min
 Lab File: BF108127.D
 Acq: 13 Aug 2018 20:15

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-4

Tgt Ion:198 Resp: 805
 Ion Ratio Lower Upper
 198 100
 51 189.0 37.7 77.7#
 105 209.4 36.3 76.3#

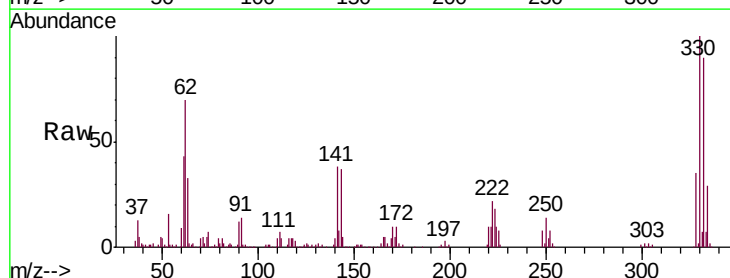


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

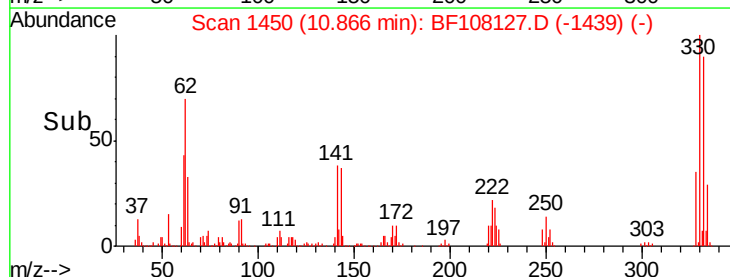
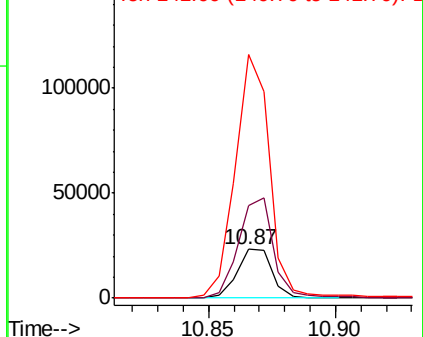


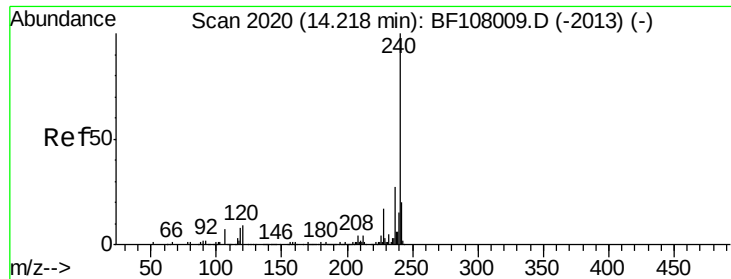
#66
 4-Bromophenyl-phenylether
 Concen: 3.484 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. -0.24 min
 Lab File: BF108127.D
 Acq: 13 Aug 2018 20:15

Tgt Ion:248 Resp: 22205
 Ion Ratio Lower Upper
 248 100
 250 190.0 76.9 115.3#
 141 501.3 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.23 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF108127.D

Acq: 13 Aug 2018 20:15

Instrument :

BNA_F

ClientSampleId :

SP-1-4

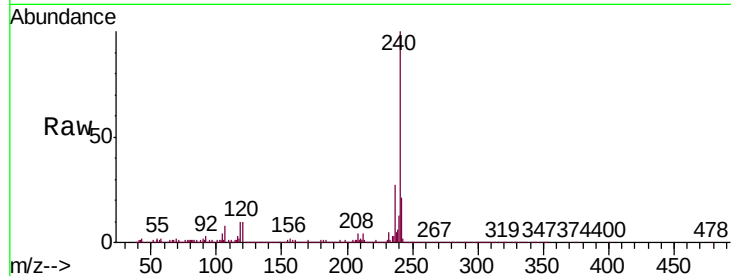
Tgt Ion:240 Resp: 451996

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

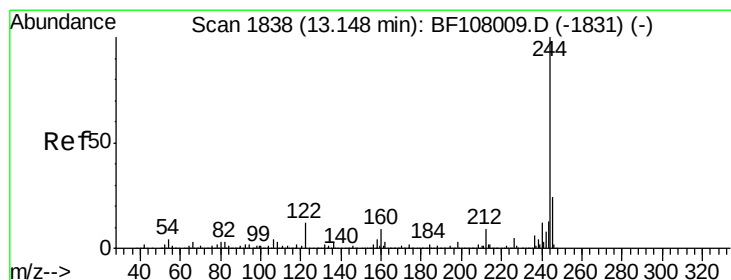
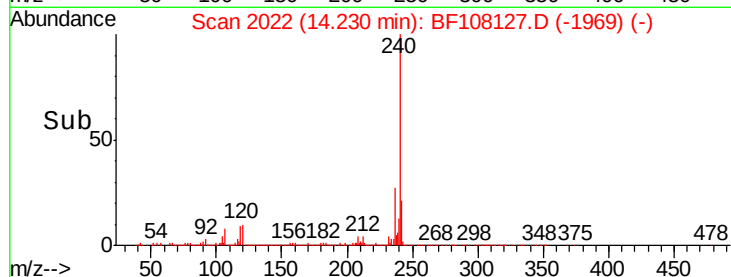
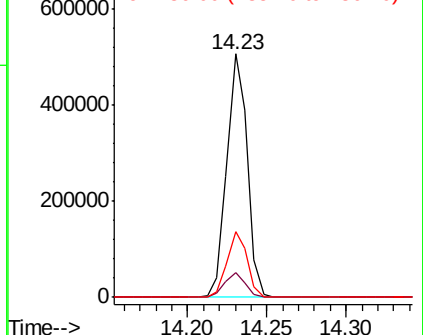
236 27.1 20.7 31.1



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



#78

Terphenyl-d14

Concen: 86.563 ng

RT: 13.16 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF108127.D

Acq: 13 Aug 2018 20:15

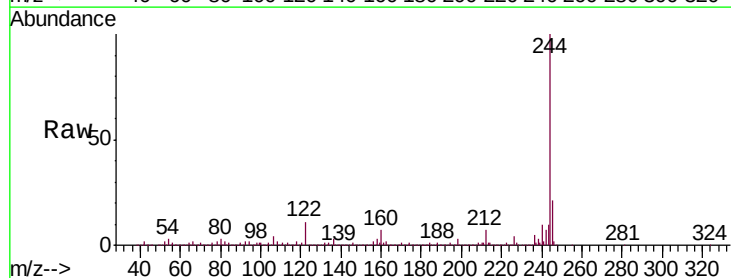
Tgt Ion:244 Resp: 1538835

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

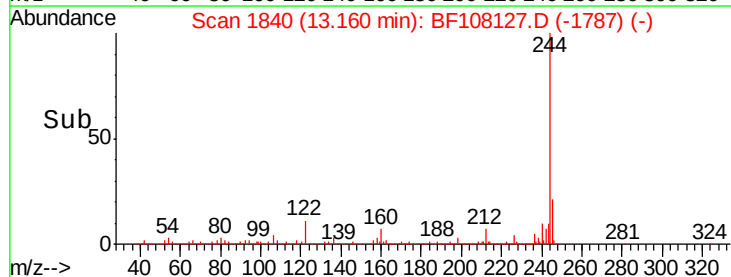
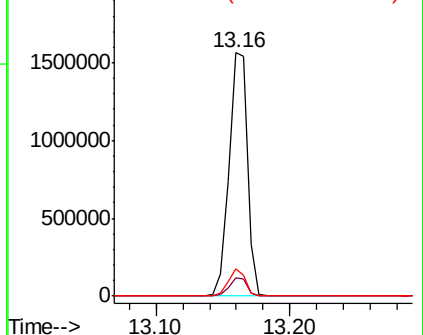
122 11.2 11.0 16.4

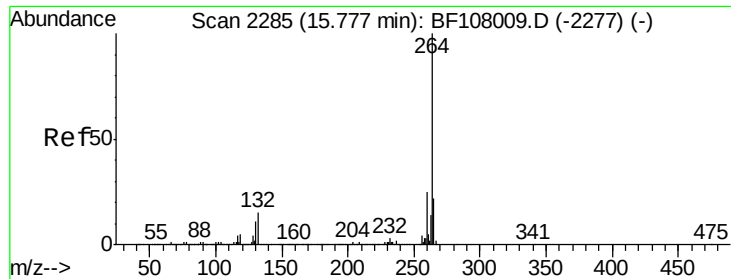


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.81 min Scan# 2290
Delta R.T. 0.03 min
Lab File: BF108127.D
Acq: 13 Aug 2018 20:15

Instrument :
BNA_F
ClientSampleId :
SP-1-4

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.5	17.5	26.3

