

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
 Data File : BF108129.D
 Acq On : 13 Aug 2018 21:10
 Operator : JU/SJ
 Sample : J4442-21
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-3

Quant Time: Aug 14 01:12:22 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

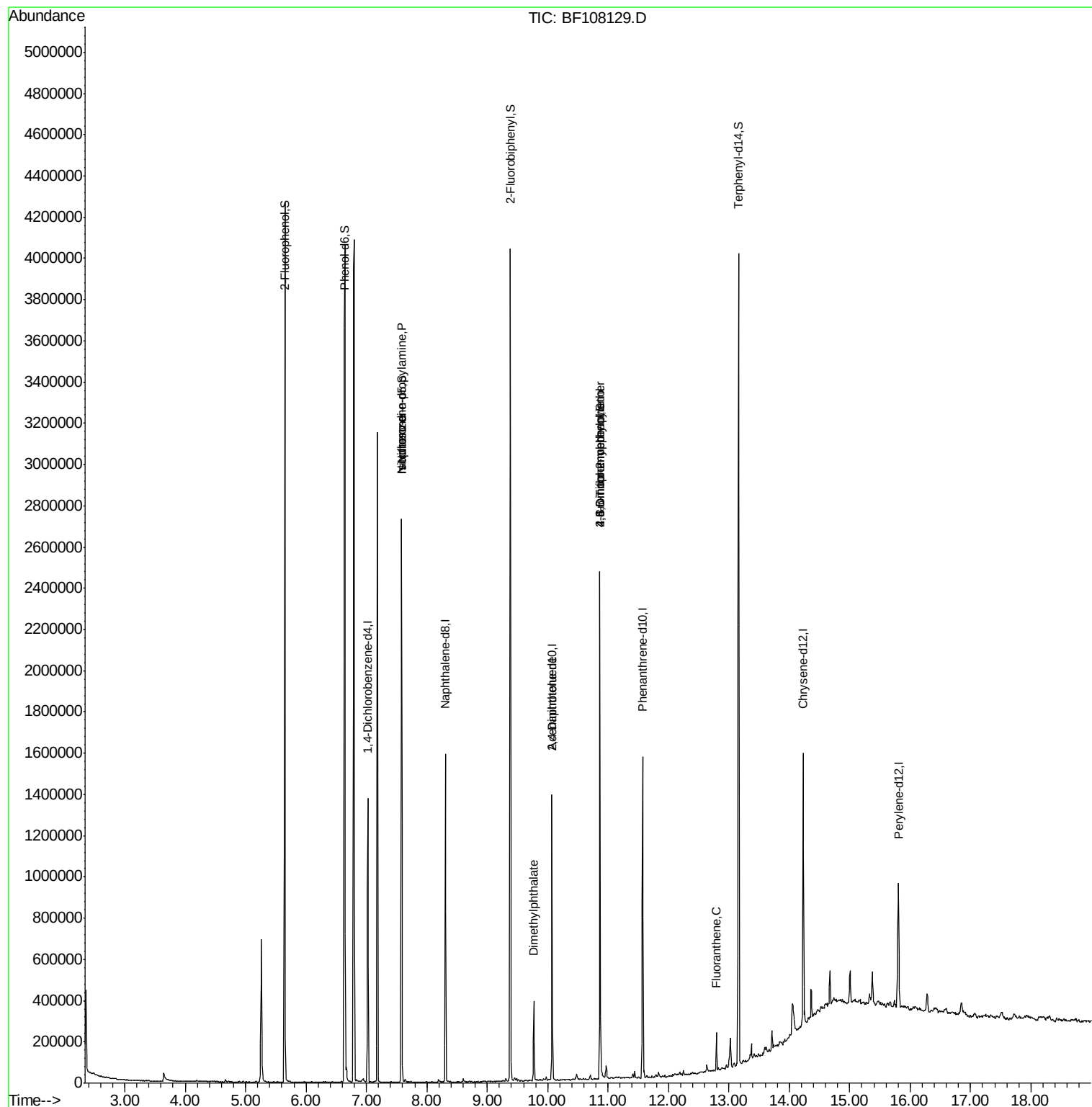
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	179812	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	605443	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	260866	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	498260	20.00	ng	0.01
75) Chrysene-d12	14.23	240	432936	20.00	ng	0.01
86) Perylene-d12	15.81	264	282901	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1018855	102.58	ng	0.02
7) Phenol-d6	6.64	99	1308379	99.13	ng	0.01
23) Nitrobenzene-d5	7.58	82	796434	73.40	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	263014	101.08	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1180975	72.68	ng	0.00
78) Terphenyl-d14	13.16	244	1295585	76.09	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	106817	11.968	ng	# 85
25) Isophorone	7.58	82	796412	38.510	ng	# 64
49) Dimethylphthalate	9.77	163	125143	6.887	ng	# 99
56) 2,4-Dinitrotoluene	10.07	165	33656	6.877	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.87	198	724	5.702	ng	# 1
66) 4-Bromophenyl-phenylether	10.87	248	17535	3.238	ng	# 1
74) Fluoranthene	12.79	202	53506	2.086	ng	92

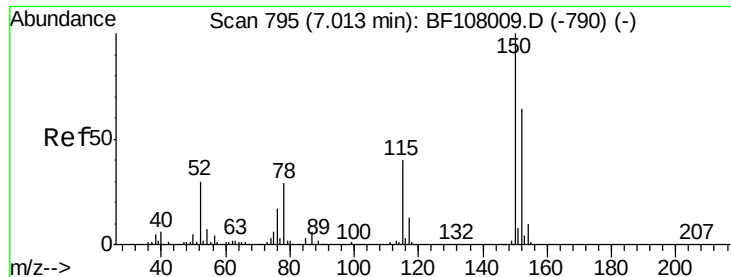
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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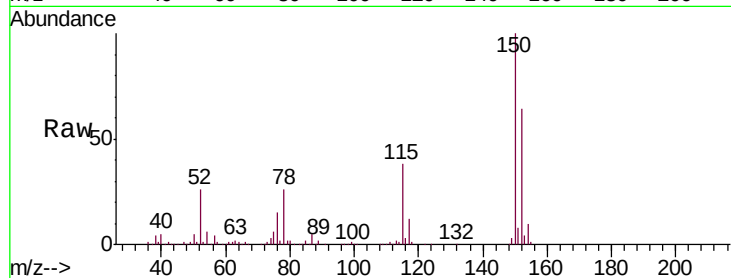


#1

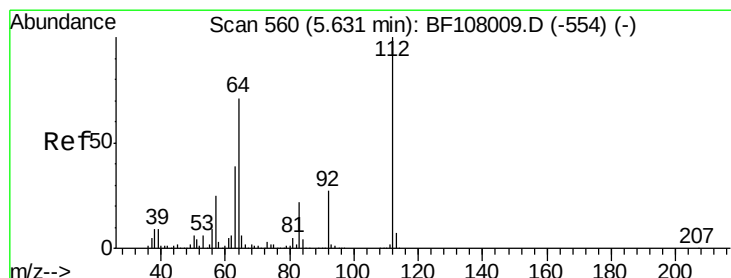
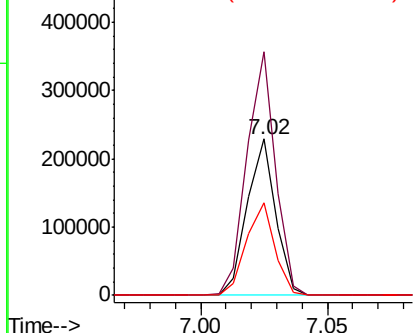
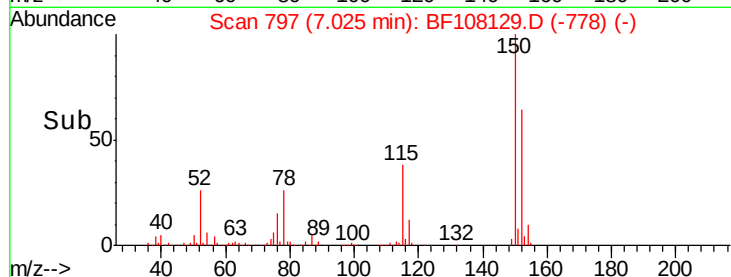
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

Instrument :
BNA_F
ClientSampled :
SP-1-3

Tgt Ion:152 Resp: 179812
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 59.3 50.1 75.1



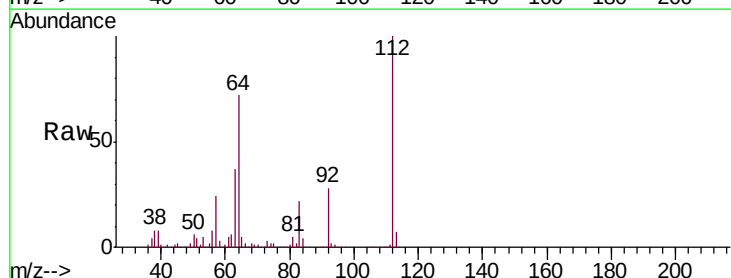
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



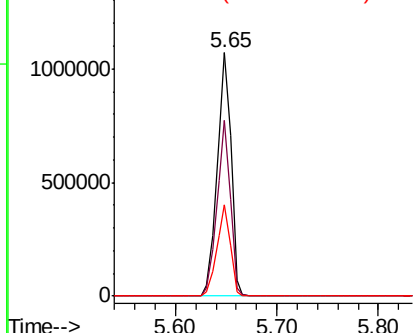
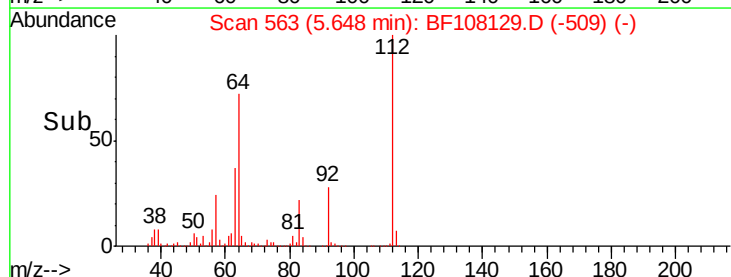
#5

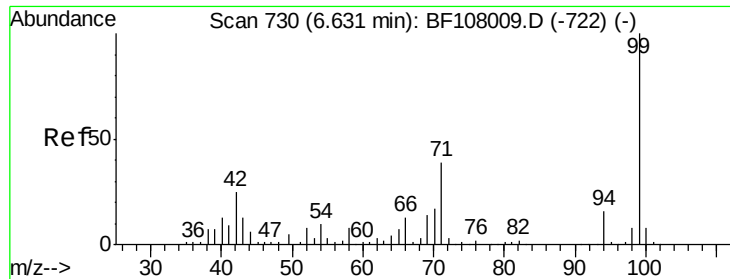
2-Fluorophenol
Concen: 102.584 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

Tgt Ion:112 Resp: 1018855
Ion Ratio Lower Upper
112 100
64 72.0 47.9 71.9#
63 37.4 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: 99.134 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108129.D

Acq: 13 Aug 2018 21:10

Instrument :

BNA_F

ClientSampleId :

SP-1-3

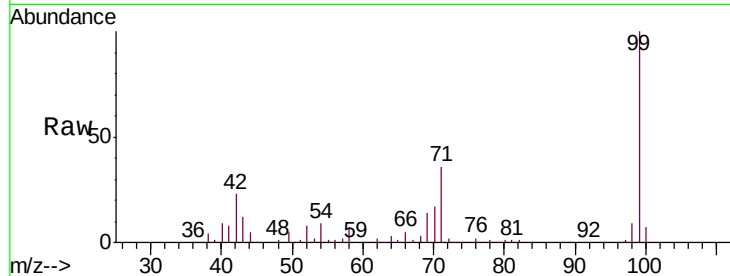
Tgt Ion: 99 Resp: 1308379

Ion Ratio Lower Upper

99 100

42 22.8 14.5 21.7#

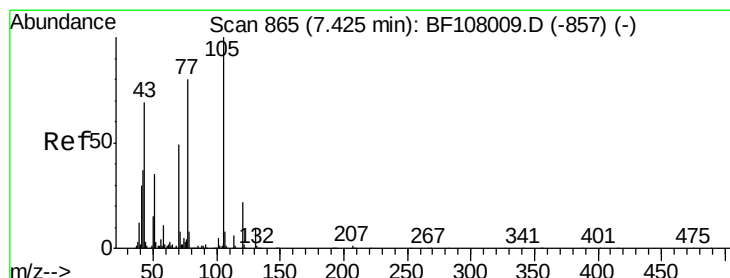
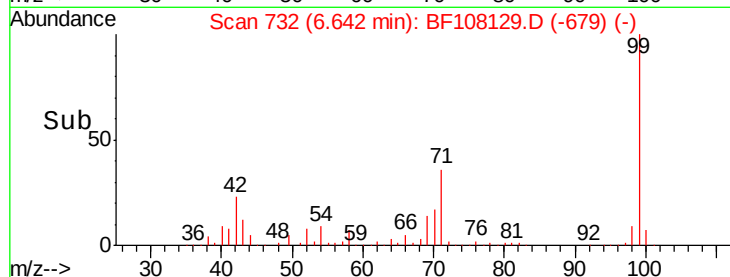
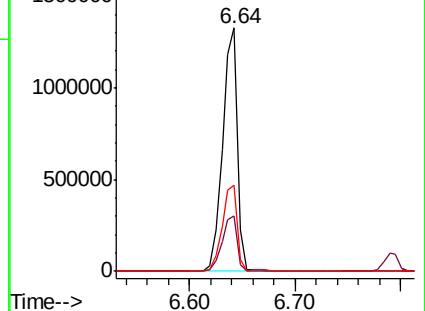
71 35.5 25.4 38.0



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: 11.968 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.16 min

Lab File: BF108129.D

Acq: 13 Aug 2018 21:10

Tgt Ion: 70 Resp: 106817

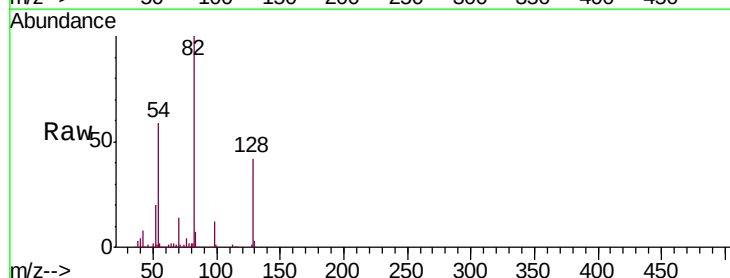
Ion Ratio Lower Upper

70 100

42 56.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

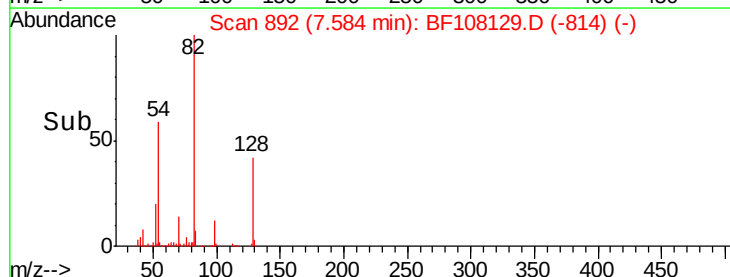
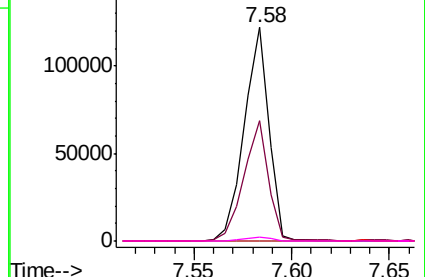


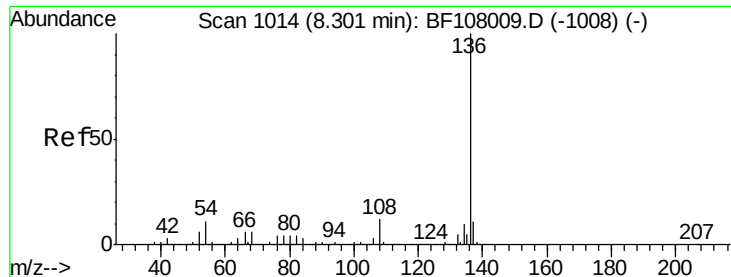
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

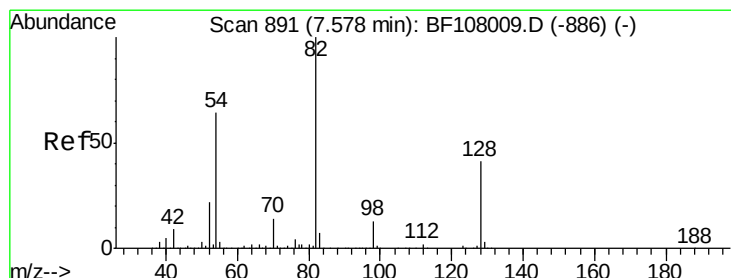
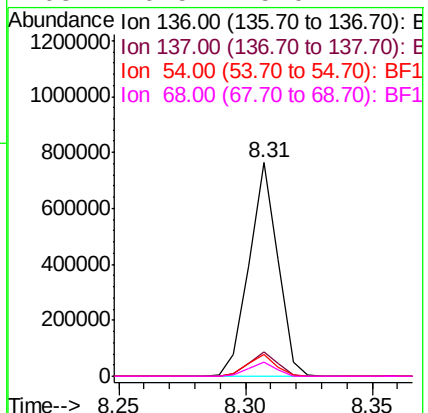
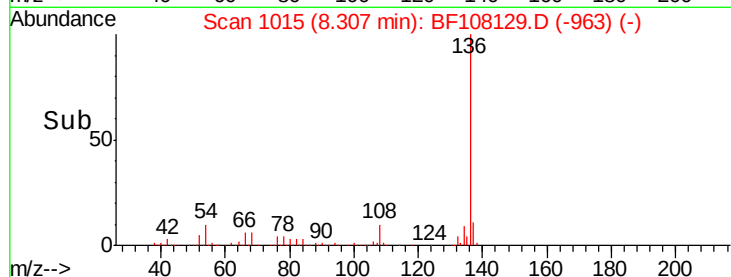
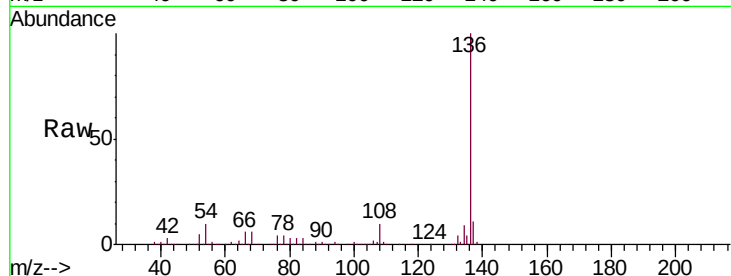




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.31 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

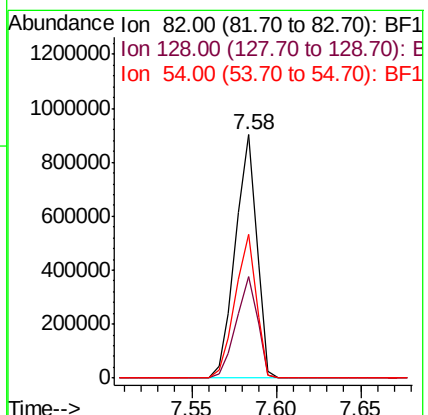
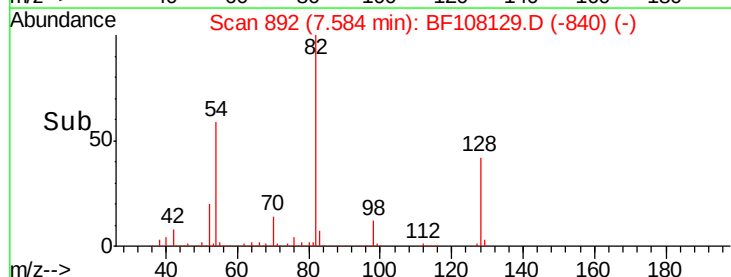
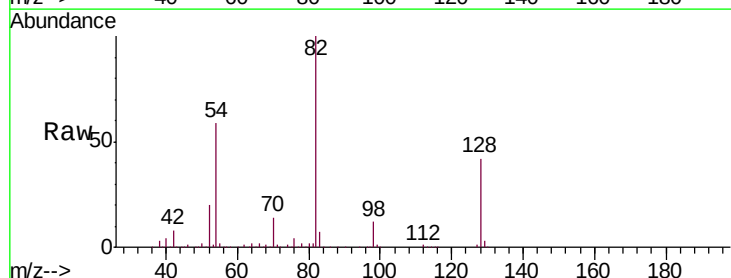
Instrument :
BNA_F
ClientSampleId :
SP-1-3

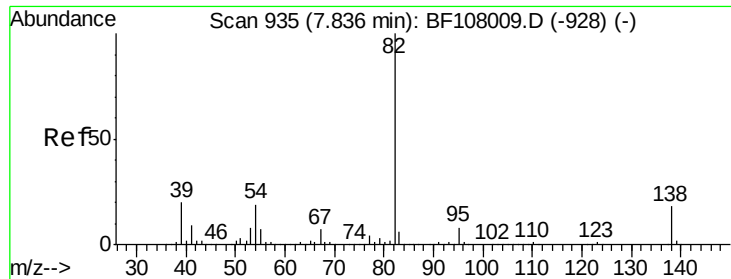
Tgt Ion:	136	Resp:	605443
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	10.0	6.6	9.8#
68	6.5	5.0	7.4



#23
Nitrobenzene-d5
Concen: 73.404 ng
RT: 7.58 min Scan# 892
Delta R.T. 0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

Tgt Ion:	82	Resp:	796434
Ion	Ratio	Lower	Upper
82	100		
128	41.7	36.1	54.1
54	59.2	41.4	62.2





#25

Isophorone

Concen: 38.510 ng

RT: 7.58 min Scan# 892

Delta R.T. -0.25 min

Lab File: BF108129.D

Acq: 13 Aug 2018 21:10

Instrument :

BNA_F

ClientSampled :

SP-1-3

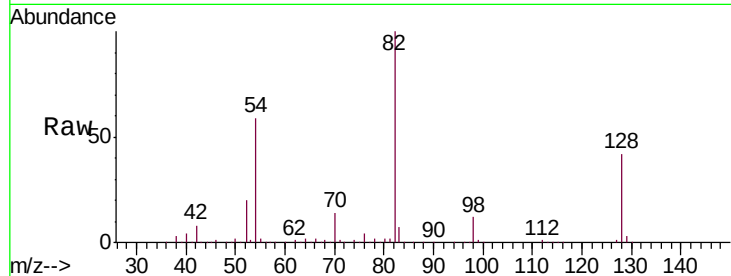
Tgt Ion: 82 Resp: 796412

Ion Ratio Lower Upper

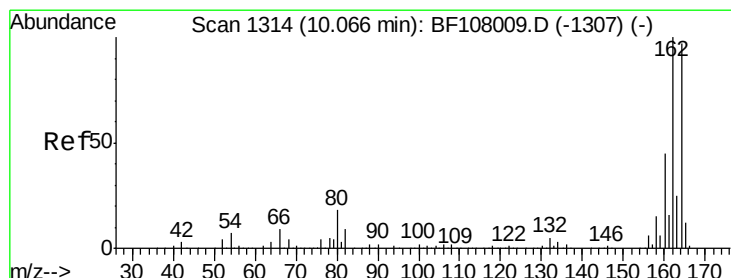
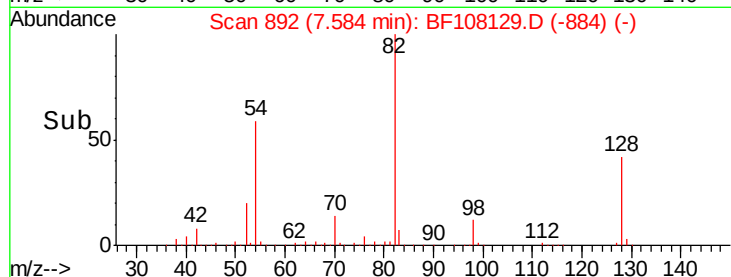
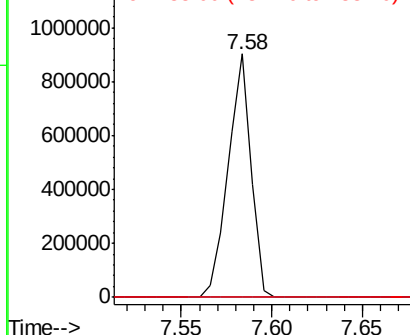
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.07 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF108129.D

Acq: 13 Aug 2018 21:10

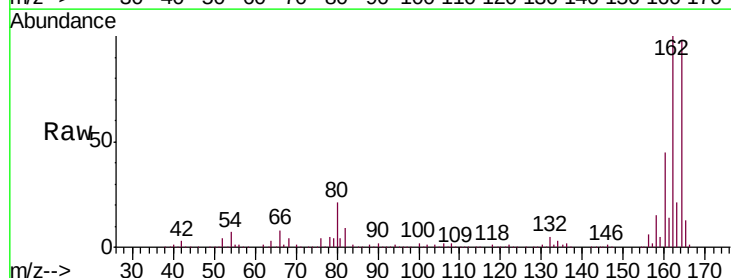
Tgt Ion: 164 Resp: 260866

Ion Ratio Lower Upper

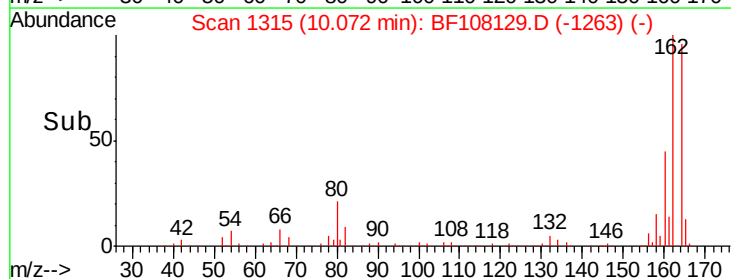
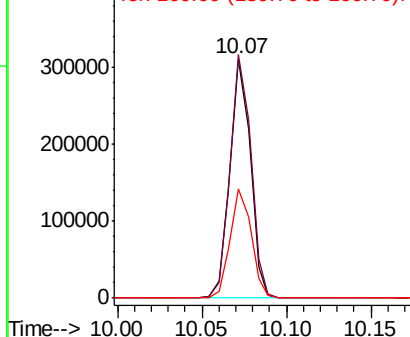
164 100

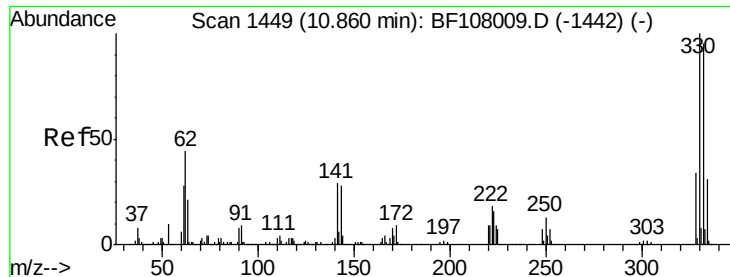
162 101.8 86.1 129.1

160 45.9 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

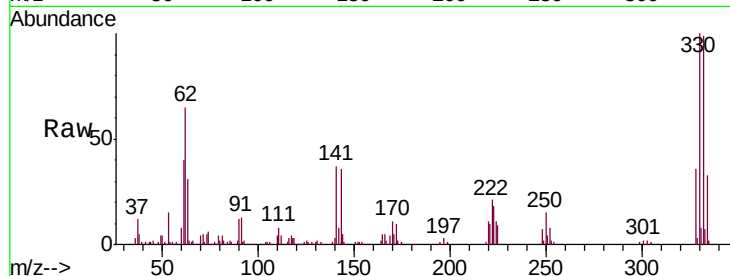




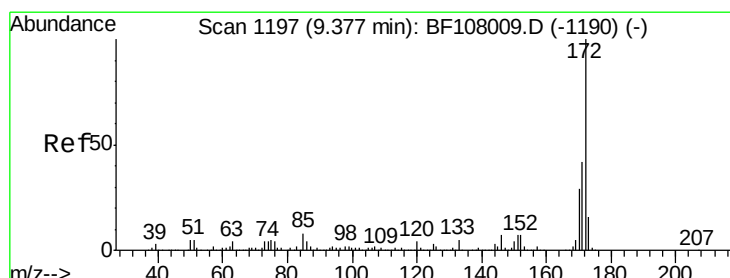
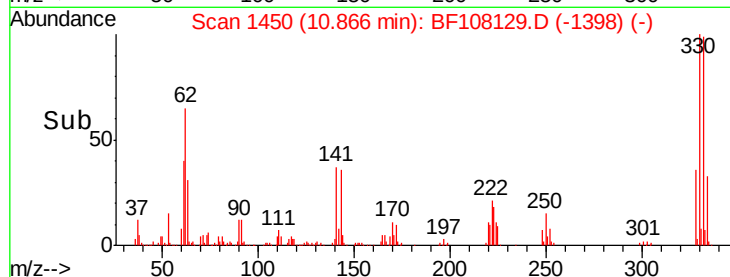
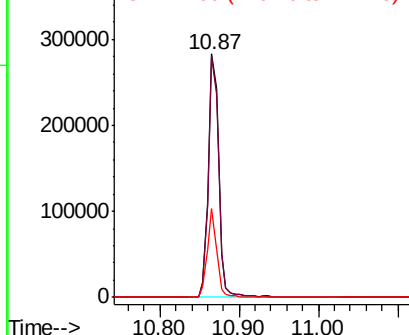
#41
 2,4,6-Tribromophenol
 Concen: 101.079 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BF108129.D
 Acq: 13 Aug 2018 21:10

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-3

Tgt Ion:330 Resp: 263014
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 33.2 29.9 44.9

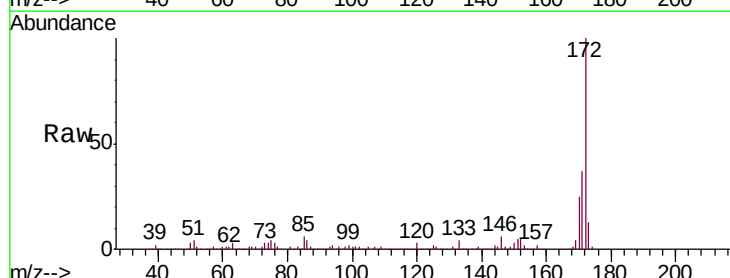


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

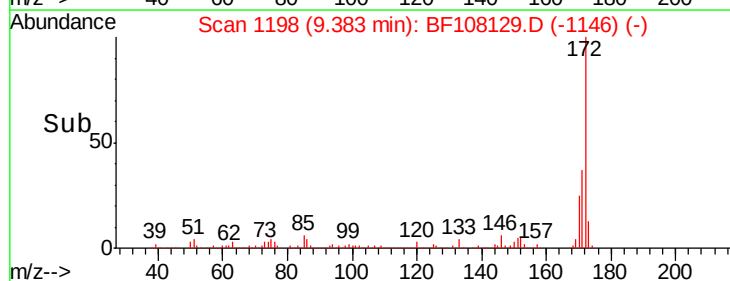
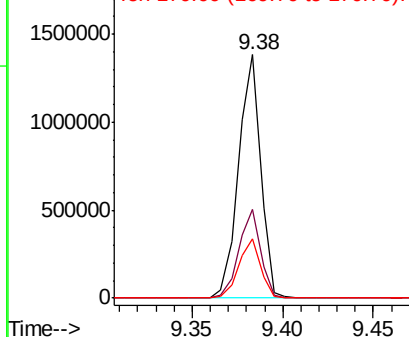


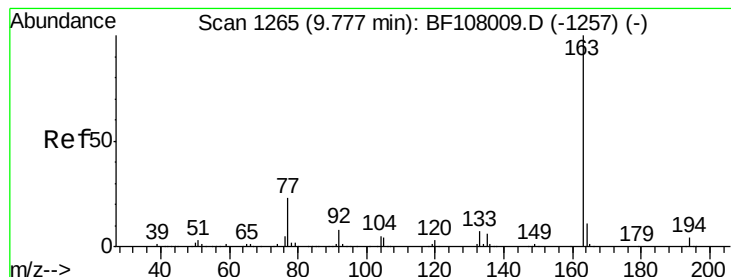
#44
 2-Fluorobiphenyl
 Concen: 72.682 ng
 RT: 9.38 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: BF108129.D
 Acq: 13 Aug 2018 21:10

Tgt Ion:172 Resp: 1180975
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.5 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: 6.887 ng

RT: 9.77 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF108129.D

Acq: 13 Aug 2018 21:10

Instrument :

BNA_F

ClientSampleId :

SP-1-3

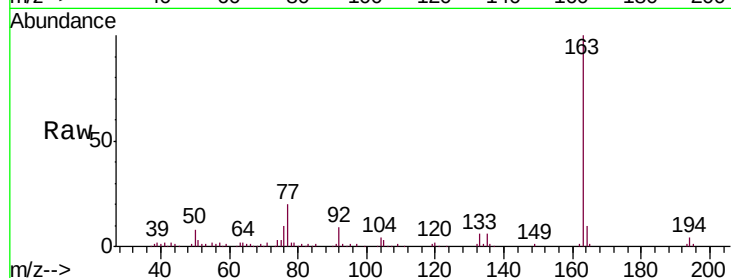
Tgt Ion:163 Resp: 125143

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

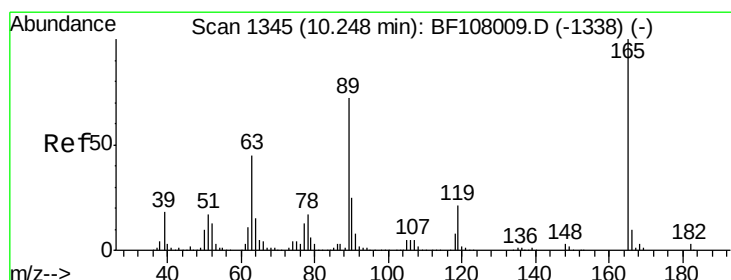
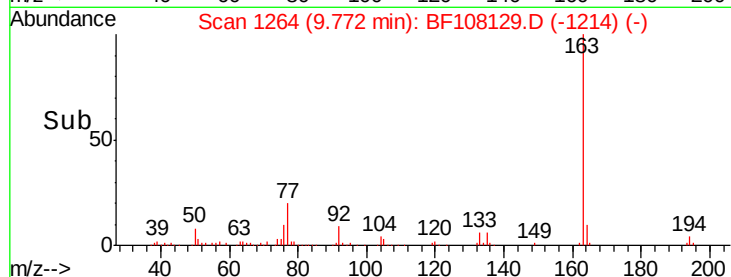
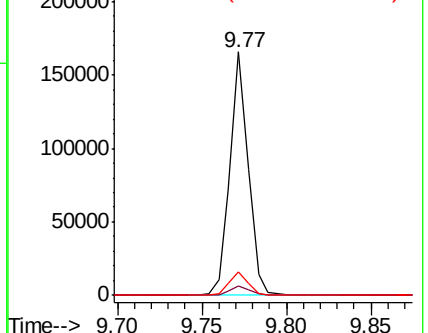
164 9.8 8.2 12.2



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: 6.877 ng

RT: 10.07 min Scan# 1315

Delta R.T. -0.18 min

Lab File: BF108129.D

Acq: 13 Aug 2018 21:10

Tgt Ion:165 Resp: 33656

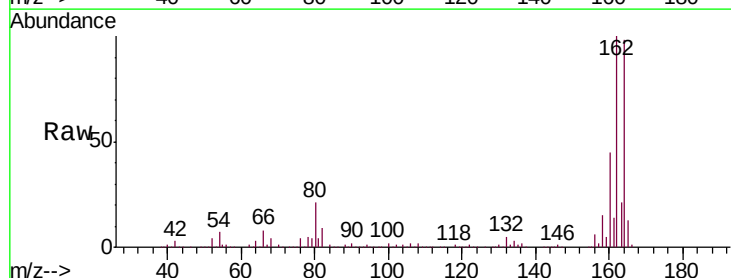
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

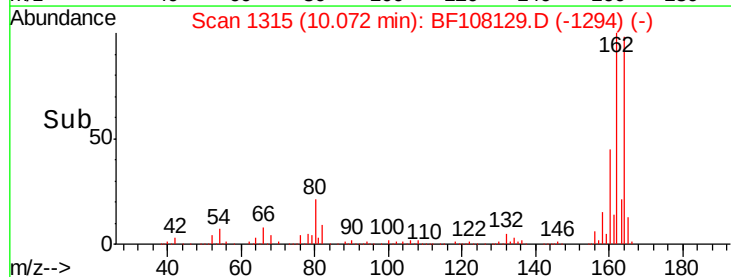
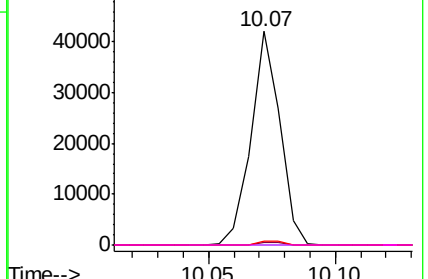


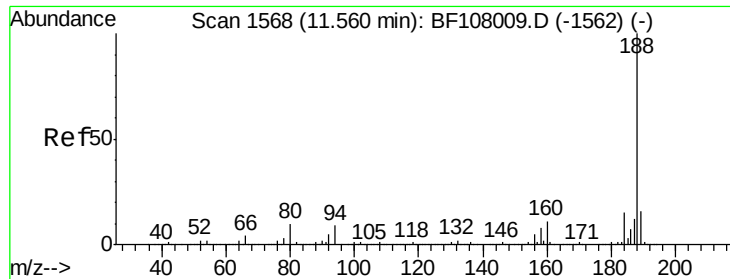
Abundance Ion 165.00 (164.70 to 165.70): E

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

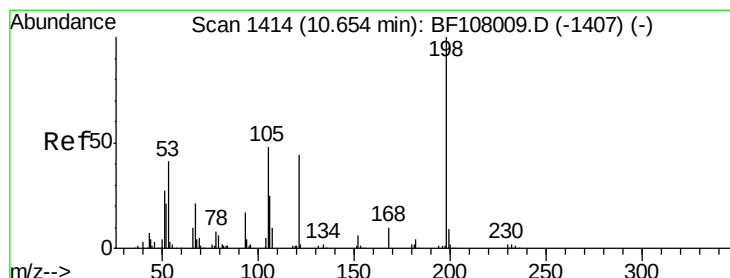
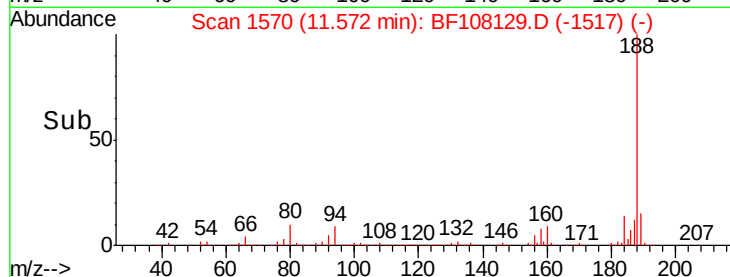
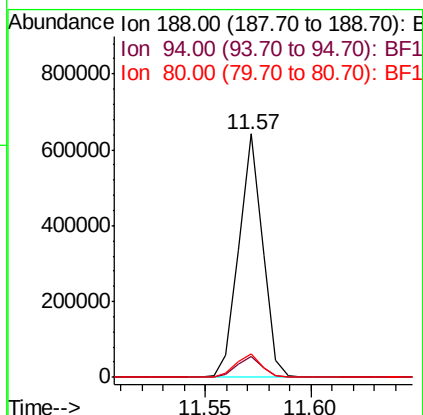
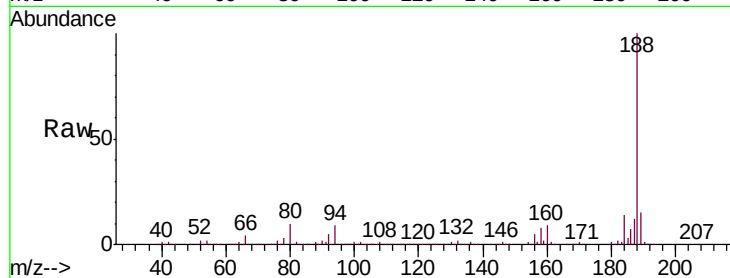




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF108129.D
 Acq: 13 Aug 2018 21:10

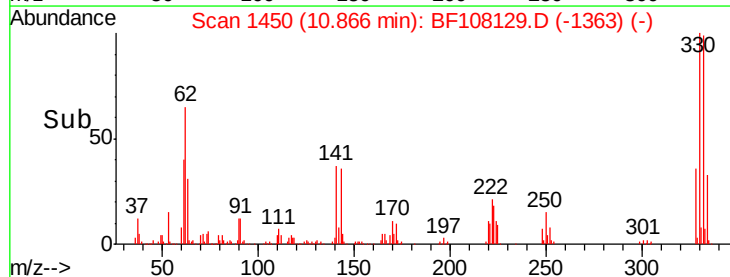
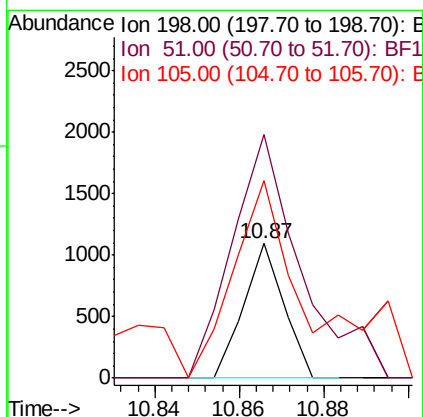
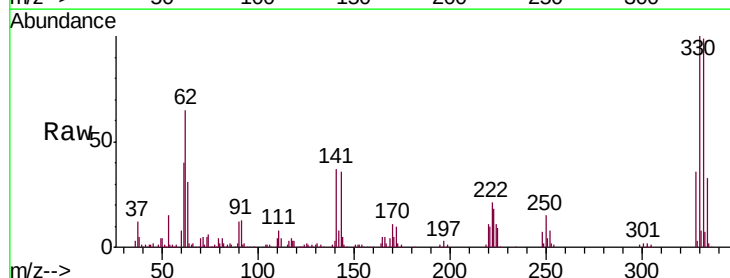
Instrument :
 BNA_F
 ClientSampleId :
 SP-1-3

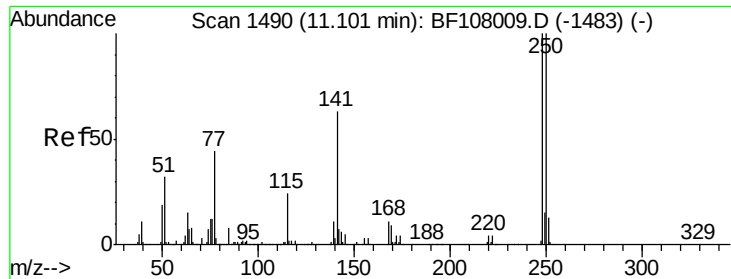
Tgt Ion:188 Resp: 498260
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.5 12.7
 80 9.6 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.702 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. 0.21 min
 Lab File: BF108129.D
 Acq: 13 Aug 2018 21:10

Tgt Ion:198 Resp: 724
 Ion Ratio Lower Upper
 198 100
 51 180.7 37.7 77.7#
 105 146.3 36.3 76.3#

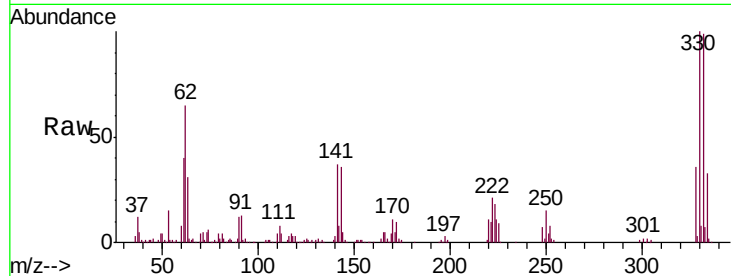




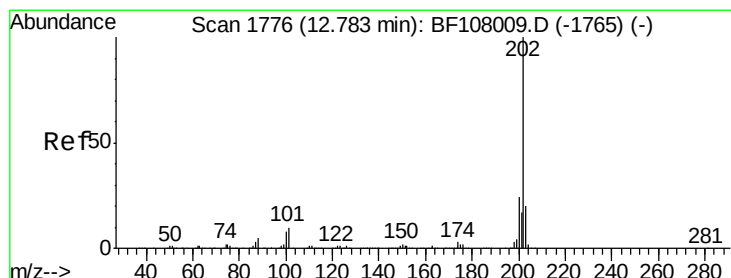
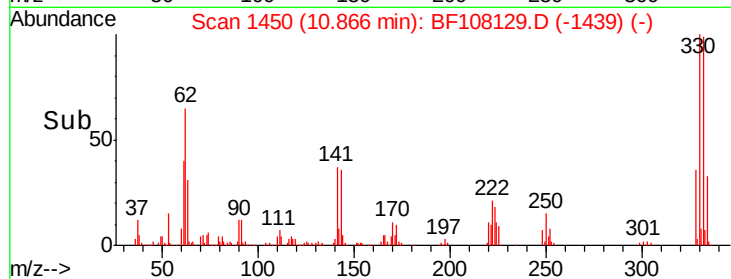
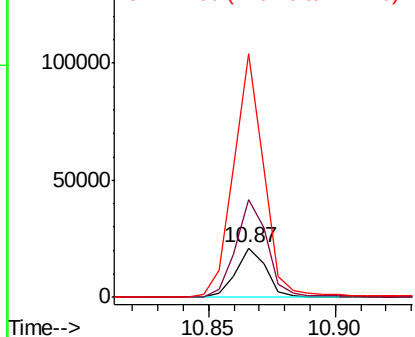
#66
4-Bromophenyl-phenylether
Concen: 3.238 ng
RT: 10.87 min Scan# 1450
Delta R.T. -0.24 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

Instrument :
BNA_F
ClientSampled :
SP-1-3

Tgt Ion	Ratio	Lower	Upper
248	100		
250	199.7	76.9	115.3#
141	494.9	74.4	111.6#

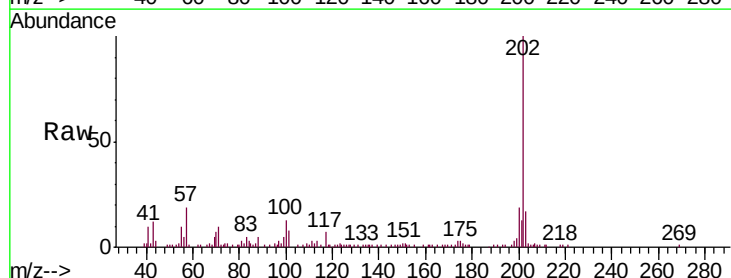


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

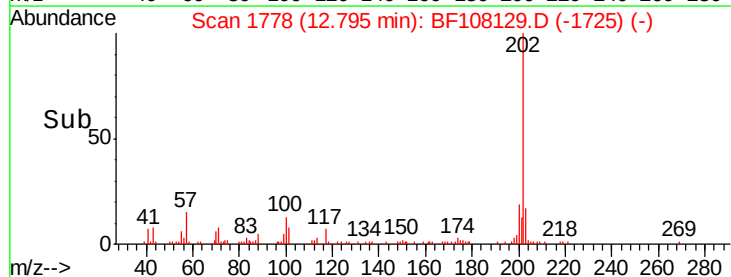
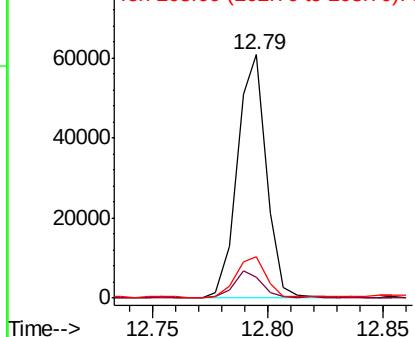


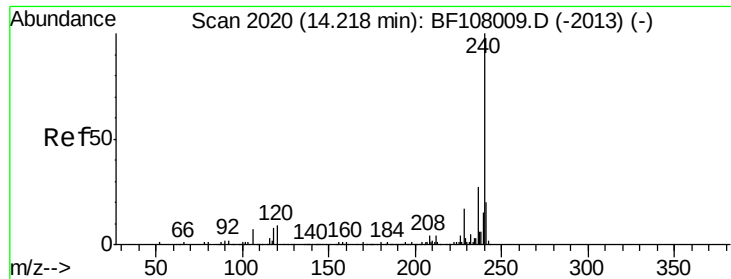
#74
Fluoranthene
Concen: 2.086 ng
RT: 12.79 min Scan# 1778
Delta R.T. 0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	34.1
203	16.9	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: 14.23 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF108129.D

Acq: 13 Aug 2018 21:10

Instrument :

BNA_F

ClientSampleId :

SP-1-3

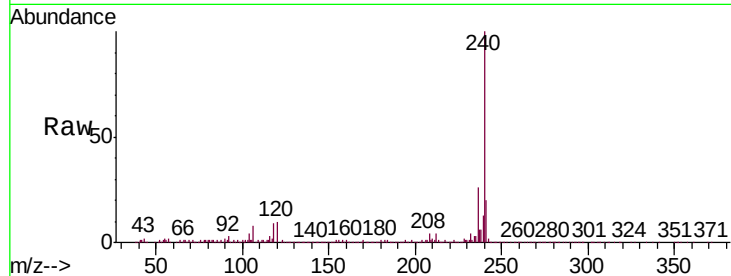
Tgt Ion:240 Resp: 432936

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

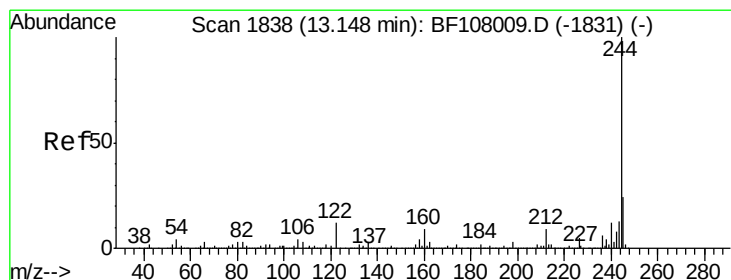
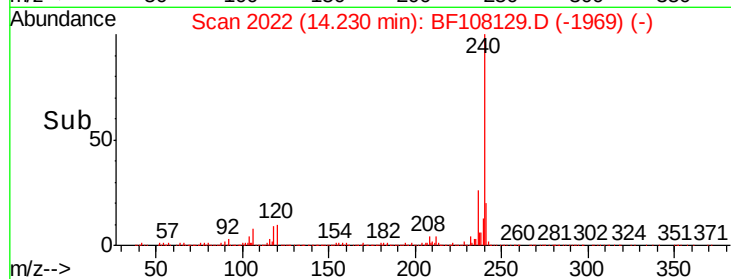
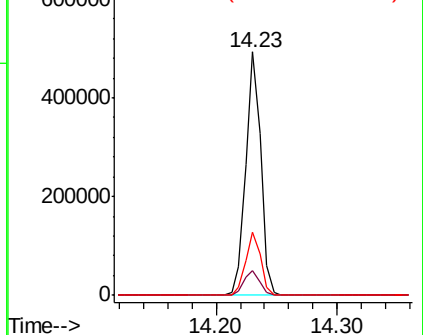
236 25.9 20.7 31.1



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: 76.088 ng

RT: 13.16 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF108129.D

Acq: 13 Aug 2018 21:10

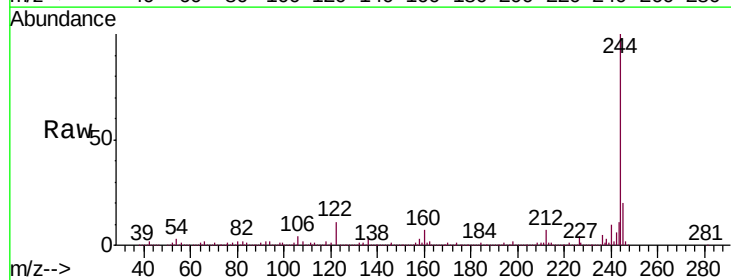
Tgt Ion:244 Resp: 1295585

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

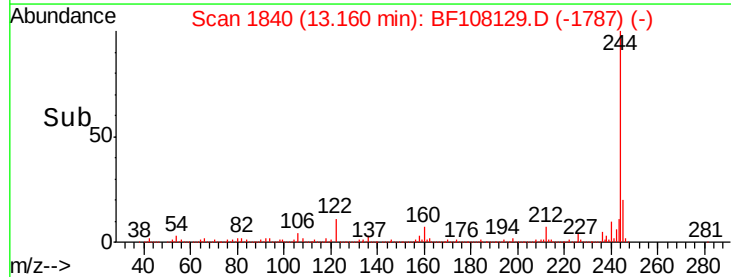
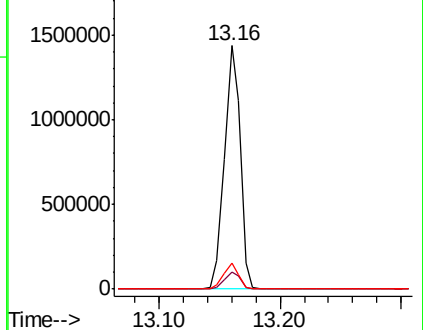
122 10.8 11.0 16.4#

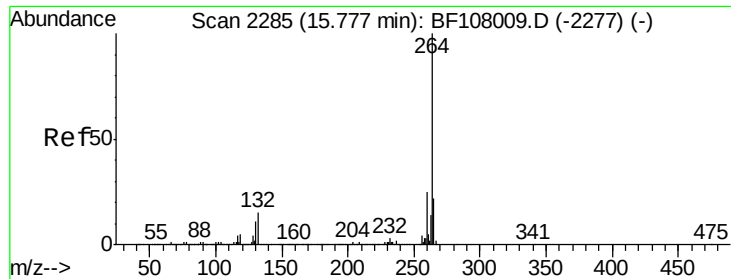


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.81 min Scan# 2290
Delta R.T. 0.03 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

Instrument :
BNA_F
ClientSampleId :
SP-1-3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.2	28.8
265	21.5	17.5	26.3

