

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108408.D
 Acq On : 23 Aug 2018 4:26
 Operator : JU/SJ
 Sample : J4525-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 23 07:59:43 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 22 11:01:45 2018
 Response via : Initial Calibration

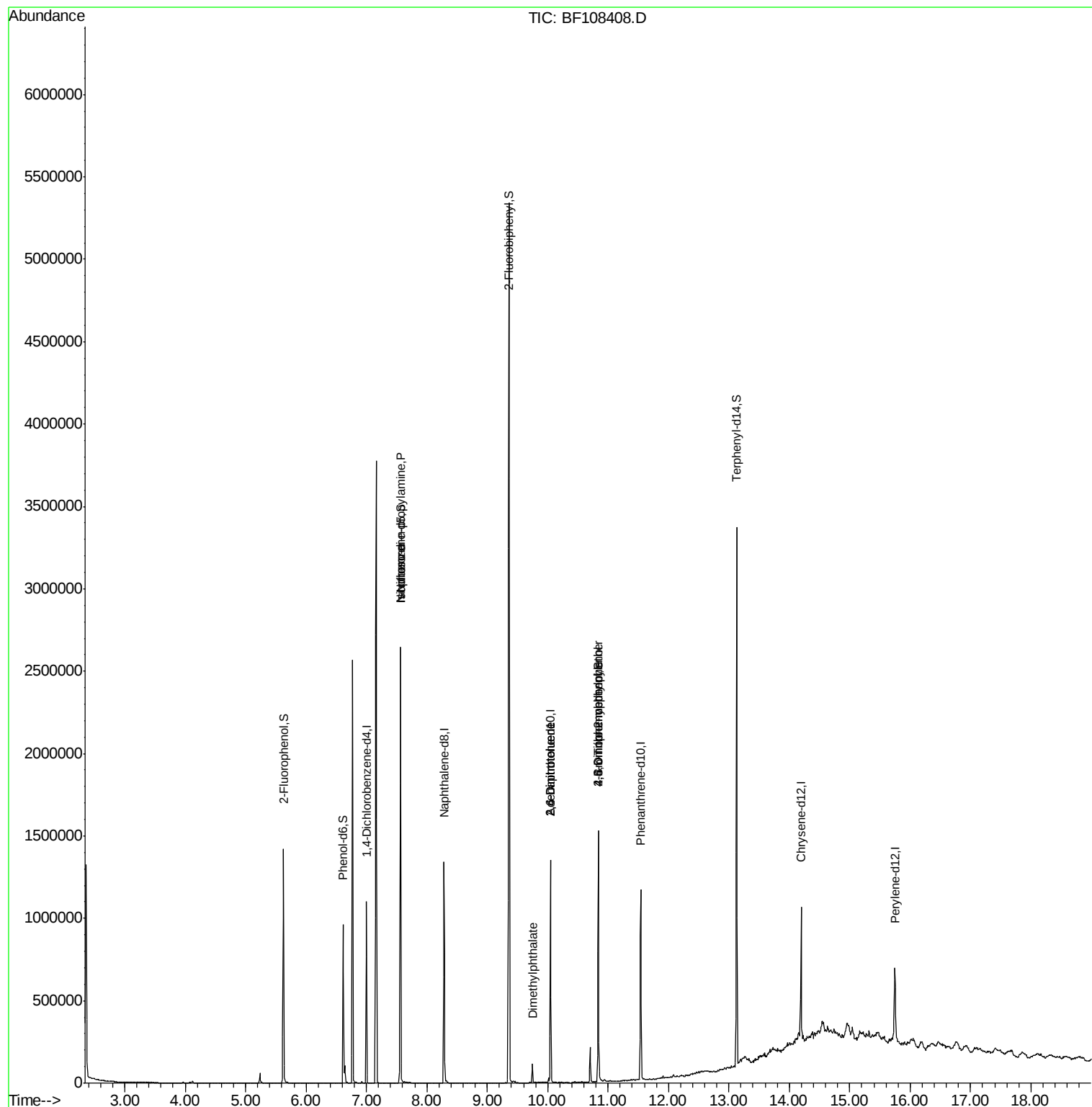
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	148046	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	538162	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	252386	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	404103	20.00	ng	0.00
75) Chrysene-d12	14.19	240	270100	20.00	ng	0.00
86) Perylene-d12	15.75	264	229439	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	333983	40.84	ng	0.00
7) Phenol-d6	6.61	99	274249	25.24	ng	-0.02
23) Nitrobenzene-d5	7.57	82	927729	96.20	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	174795	69.43	ng	-0.01
44) 2-Fluorobiphenyl	9.36	172	1673521	106.46	ng	0.00
78) Terphenyl-d14	13.13	244	1141216	107.43	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	126971	17.279	ng	# 83
25) Isophorone	7.57	82	927717	50.468	ng	# 64
49) Dimethylphthalate	9.75	163	46472	2.643	ng	# 99
50) 2,6-Dinitrotoluene	10.05	165	32104	8.728	ng	# 26
56) 2,4-Dinitrotoluene	10.05	165	32104	6.781	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	445	5.619	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	11461	2.610	ng	# 1

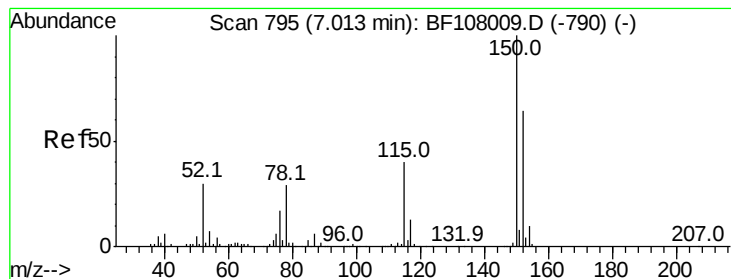
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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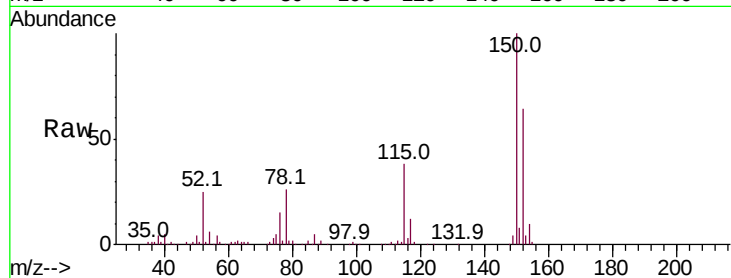


#1

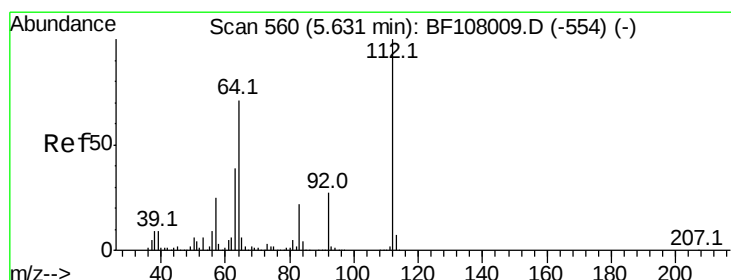
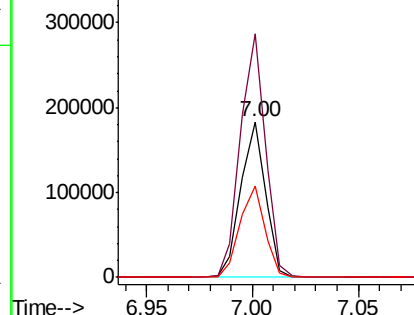
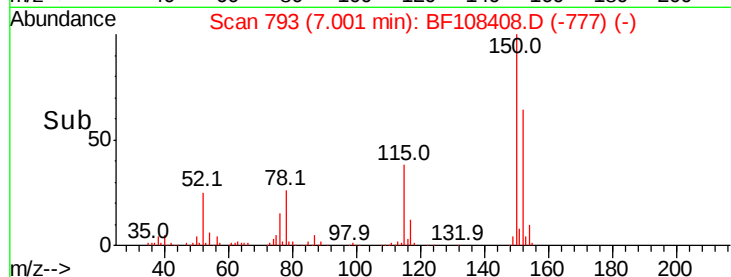
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108408.D
Acq: 23 Aug 2018 4:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 148046
Ion Ratio Lower Upper
152 100
150 156.4 124.6 186.8
115 59.0 50.1 75.1



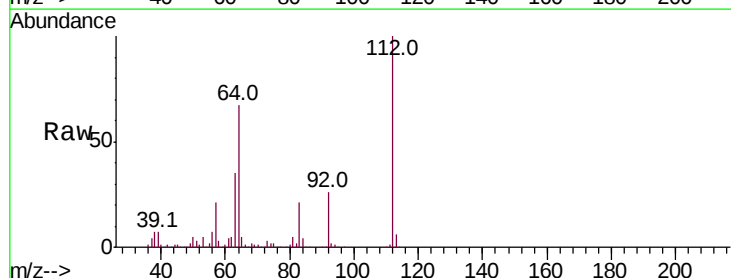
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



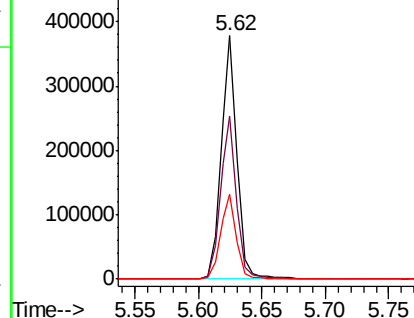
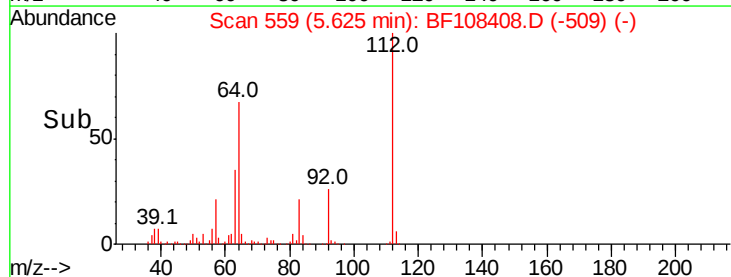
#5

2-Fluorophenol
Concen: 40.843 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108408.D
Acq: 23 Aug 2018 4:26

Tgt Ion:112 Resp: 333983
Ion Ratio Lower Upper
112 100
64 66.8 47.9 71.9
63 34.7 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: 25.238 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108408.D

Acq: 23 Aug 2018 4:26

Instrument :

BNA_F

ClientSampleId :

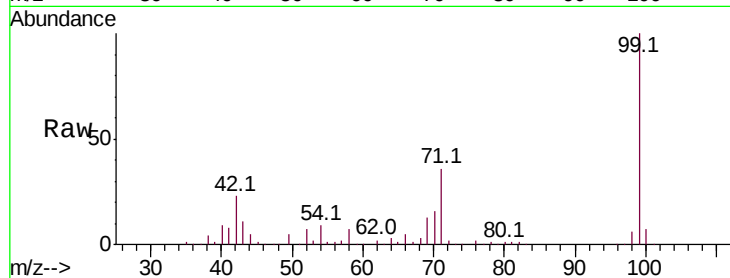
Tot Ion: 99 Resp: 274249

Ion Ratio Lower Upper

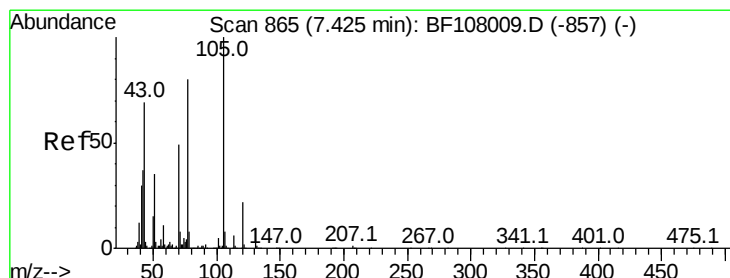
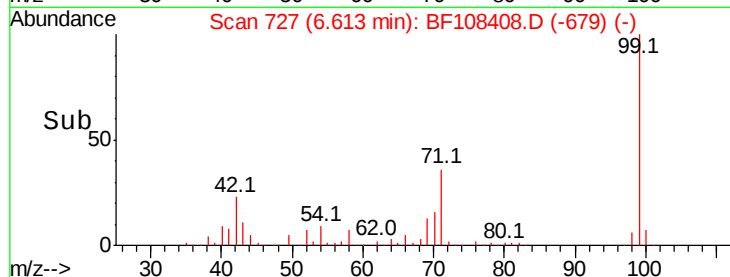
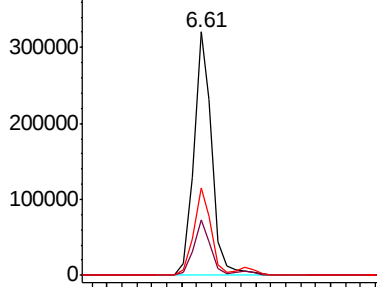
99 100

42 22.6 14.5 21.7#

71 36.1 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: 17.279 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108408.D

Acq: 23 Aug 2018 4:26

Tgt Ion: 70 Resp: 126971

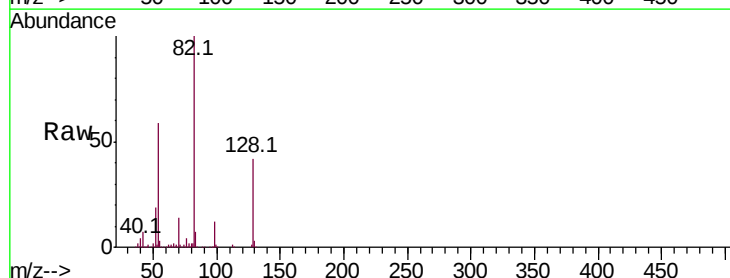
Ion Ratio Lower Upper

70 100

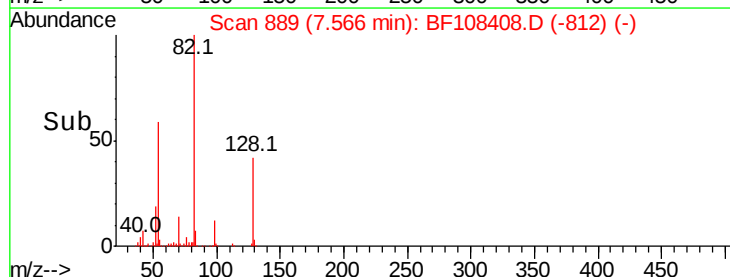
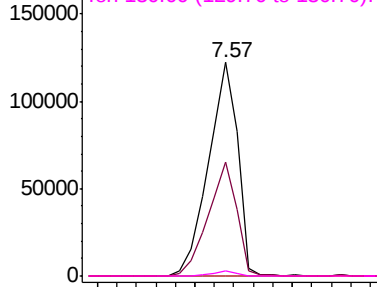
42 53.3 47.5 71.3

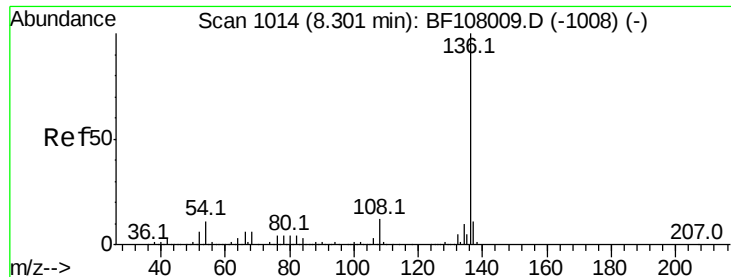
101 0.0 7.4 11.2#

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: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108408.D

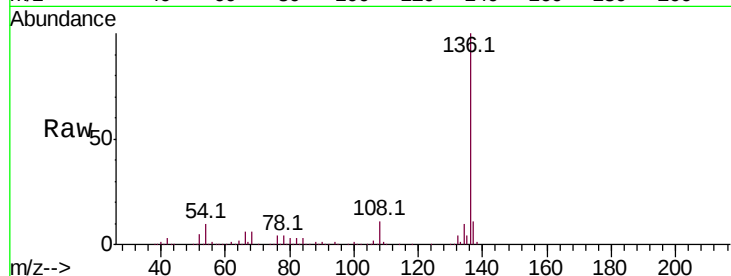
Acq: 23 Aug 2018 4:26

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	538162
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.9 13.3
54	10.0	6.6 9.8#
68	5.8	5.0 7.4

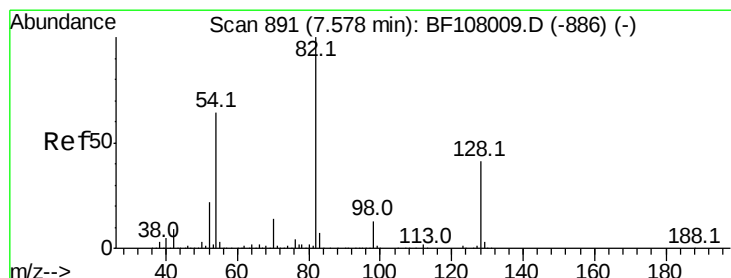
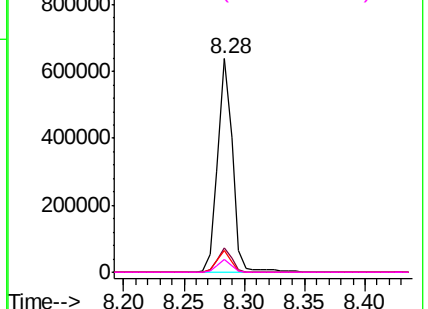
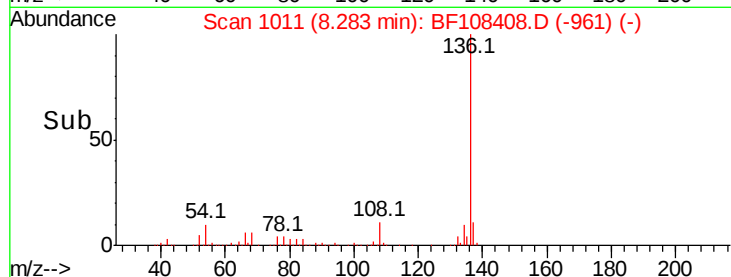


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.195 ng

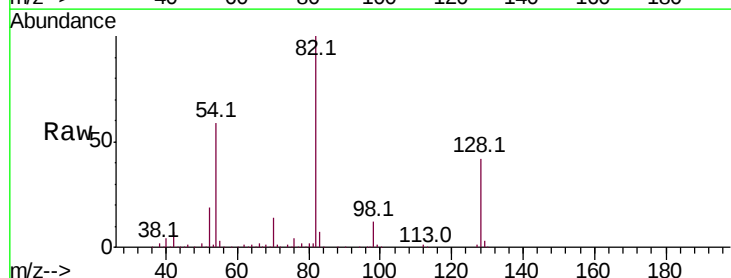
RT: 7.57 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF108408.D

Acq: 23 Aug 2018 4:26

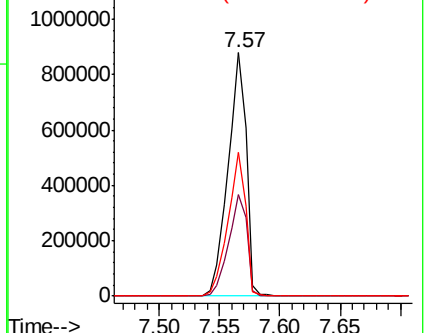
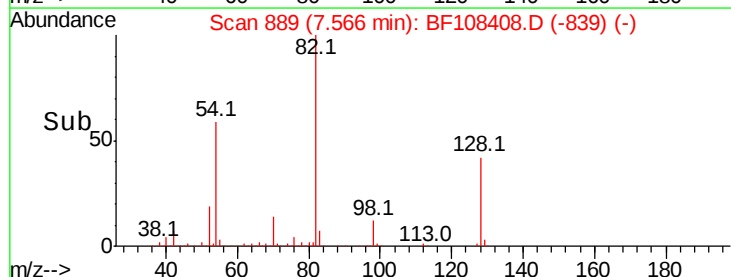
Tgt Ion: 82	Resp:	927729
Ion Ratio	Lower	Upper
82	100	
128	41.7	36.1 54.1
54	58.8	41.4 62.2

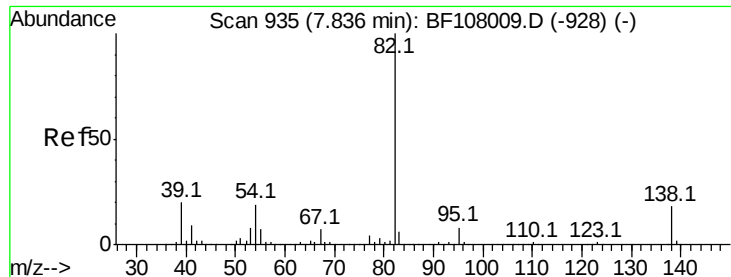


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.468 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108408.D

Acq: 23 Aug 2018 4:26

Instrument :

BNA_F

ClientSampled :

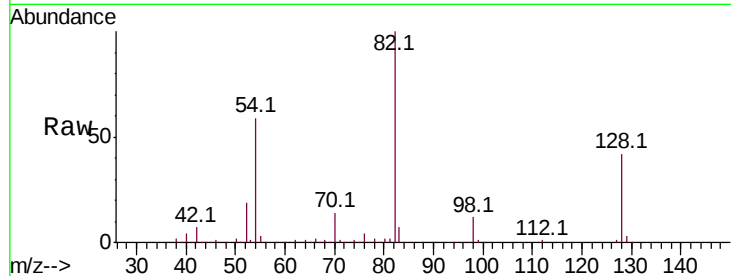
Tot Ion: 82 Resp: 927717

Ion Ratio Lower Upper

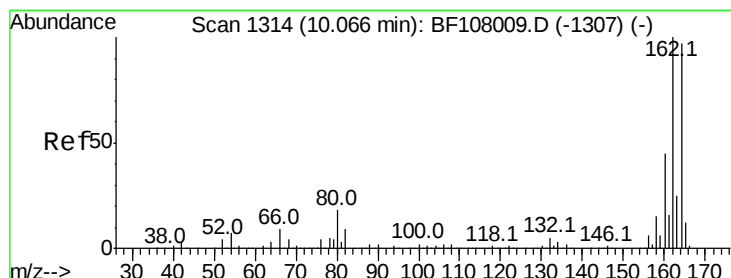
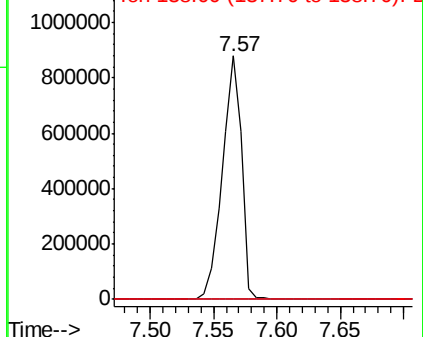
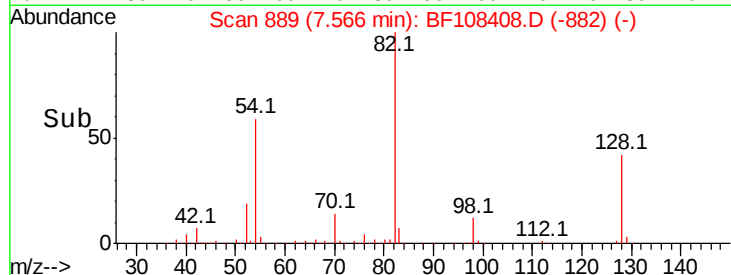
82 100

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: 10.05 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF108408.D

Acq: 23 Aug 2018 4:26

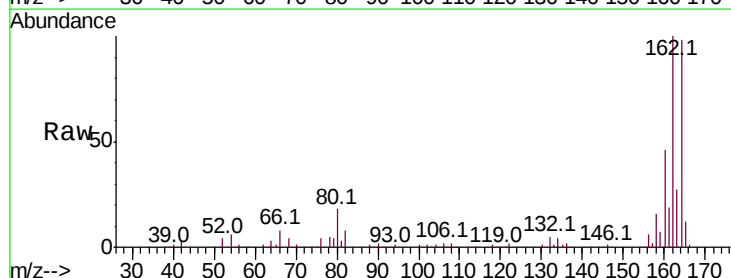
Tgt Ion: 164 Resp: 252386

Ion Ratio Lower Upper

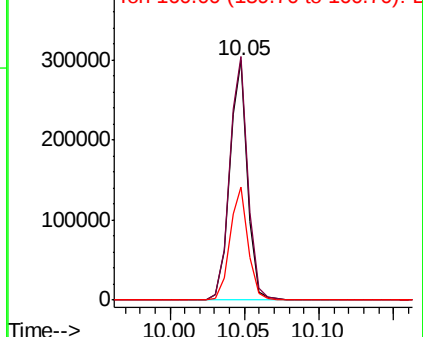
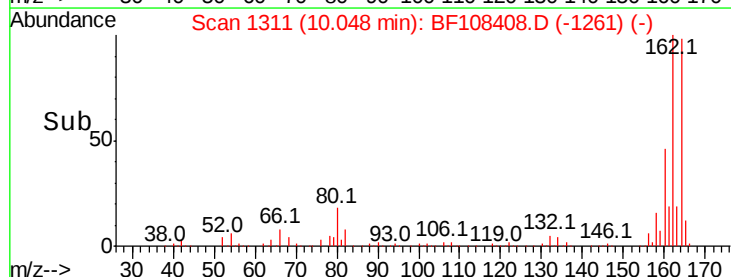
164 100

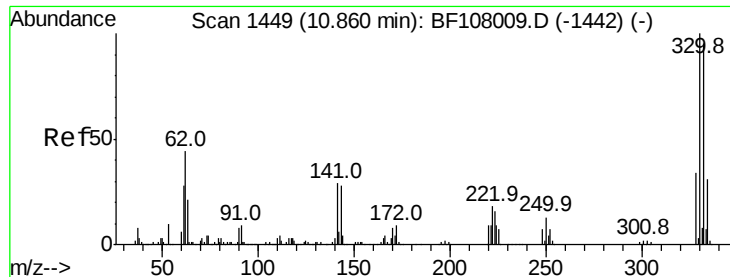
162 101.7 86.1 129.1

160 47.0 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

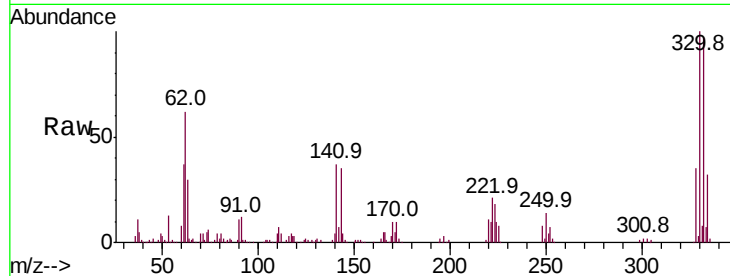




#41
 2,4,6-Tribromophenol
 Concen: 69.432 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108408.D
 Acq: 23 Aug 2018 4:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	33.1	29.9	44.9

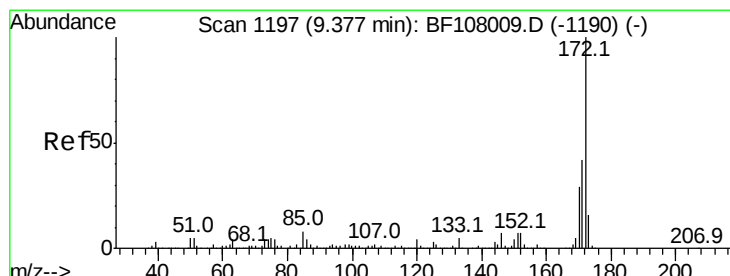
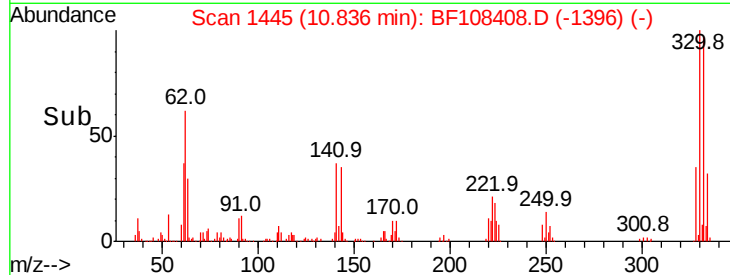
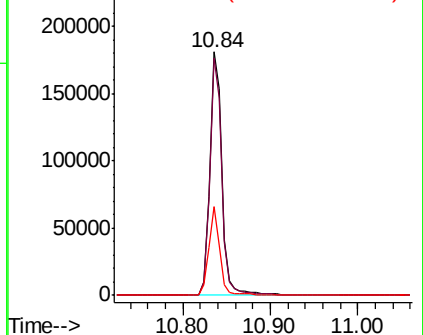


Abundance

Ion 329.80 (329.50 to 330.50): E

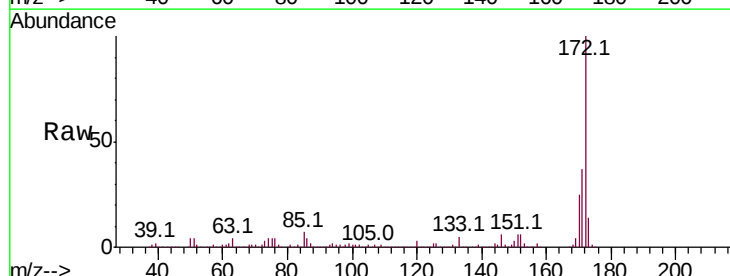
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 106.455 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108408.D
 Acq: 23 Aug 2018 4:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	24.9	19.6	29.4

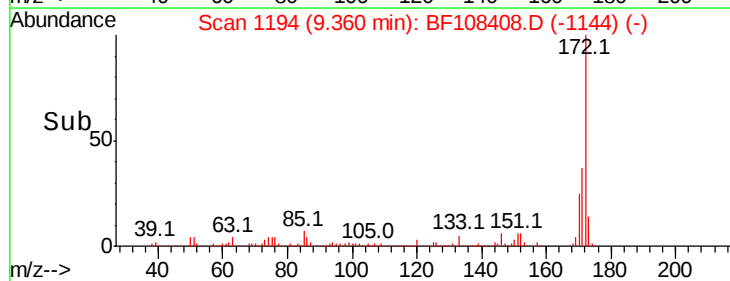
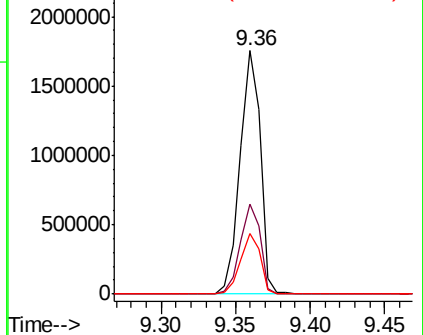


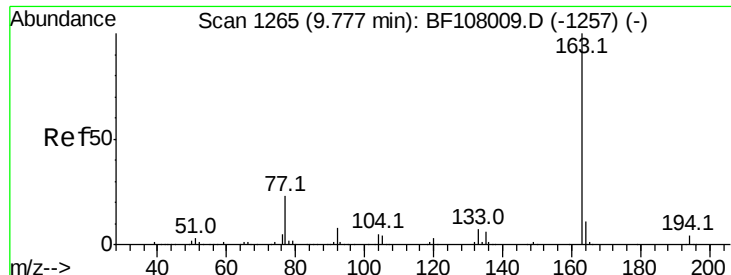
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

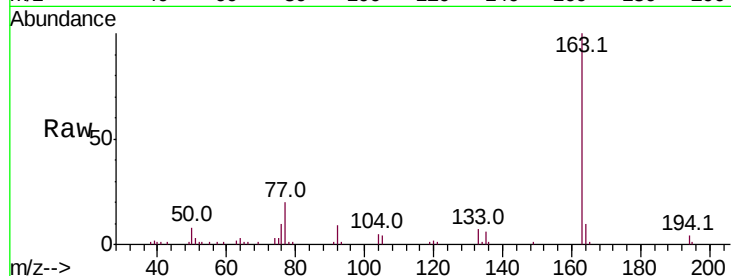




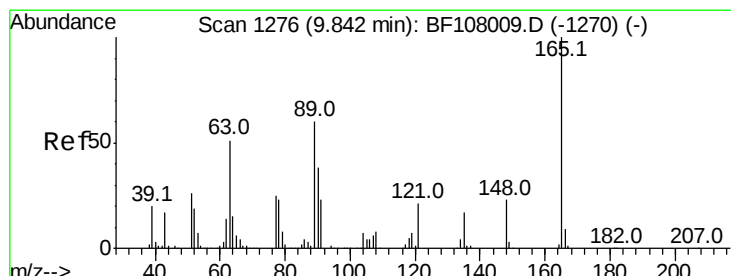
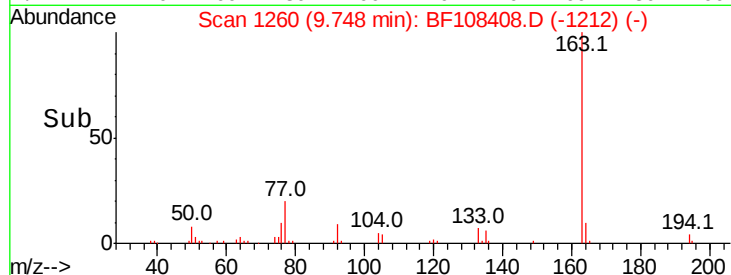
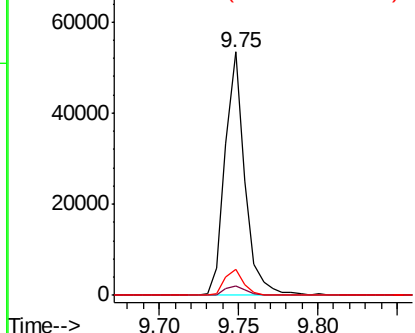
#49
Dimethylphthalate
Concen: 2.643 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108408.D
Acq: 23 Aug 2018 4:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1
164	10.4	8.2	12.2

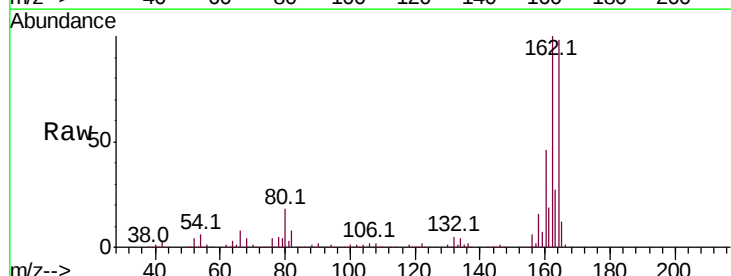


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

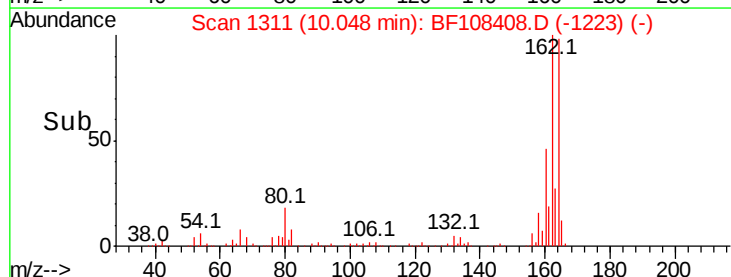
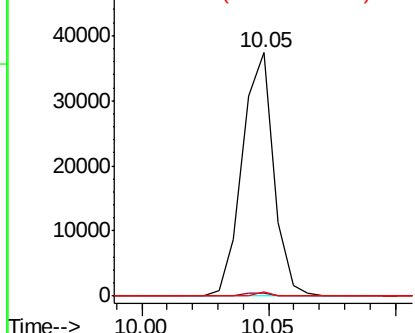


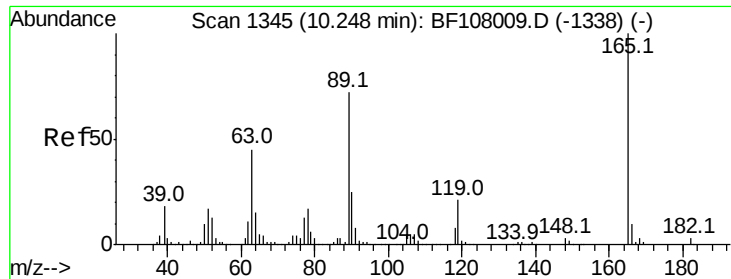
#50
2,6-Dinitrotoluene
Concen: 8.728 ng
RT: 10.05 min Scan# 1311
Delta R.T. 0.22 min
Lab File: BF108408.D
Acq: 23 Aug 2018 4:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.6	44.0	66.0#



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

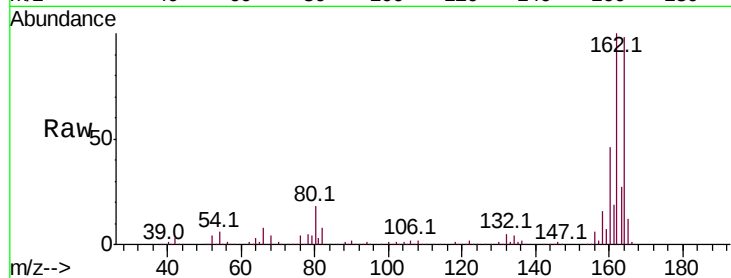




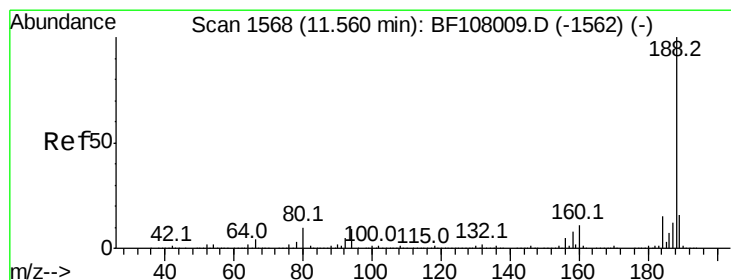
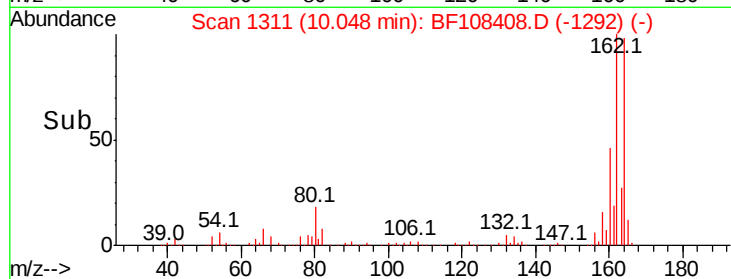
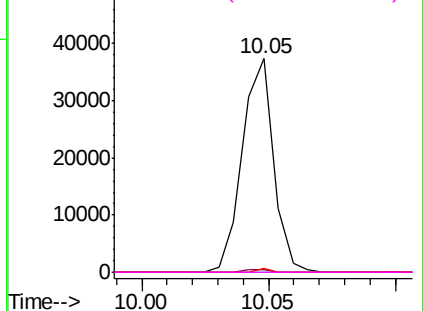
#56
 2,4-Dinitrotoluene
 Concen: 6.781 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.19 min
 Lab File: BF108408.D
 Acq: 23 Aug 2018 4:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	32104
Ion Ratio	Lower	Upper
165	100	
63	1.3	36.4 54.6#
89	1.6	57.8 86.6#
182	0.0	1.6 2.4#

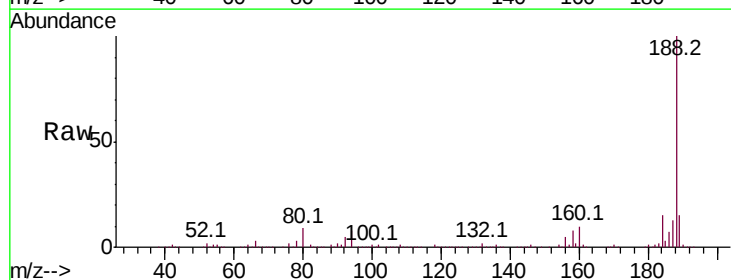


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

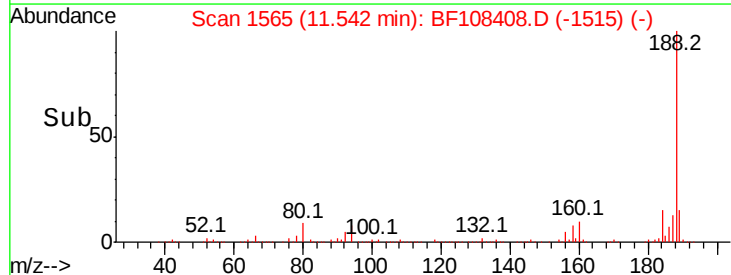
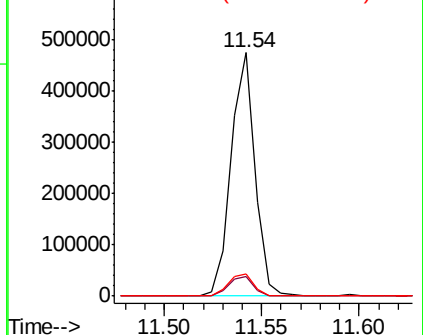


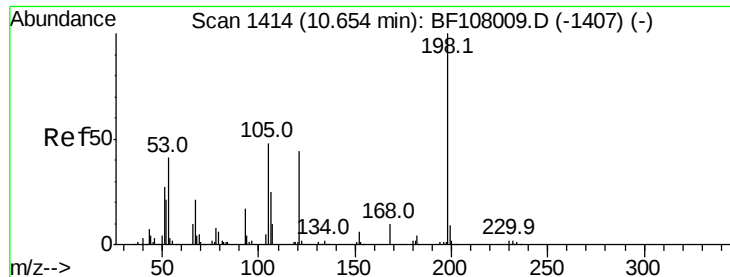
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108408.D
 Acq: 23 Aug 2018 4:26

Tgt Ion:188	Resp:	404103
Ion Ratio	Lower	Upper
188	100	
94	7.9	8.5 12.7#
80	9.0	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: 5.619 ng

RT: 10.84 min Scan# 1445

Delta R.T. 0.19 min

Lab File: BF108408.D

Acq: 23 Aug 2018 4:26

Instrument :

BNA_F

ClientSampleId :

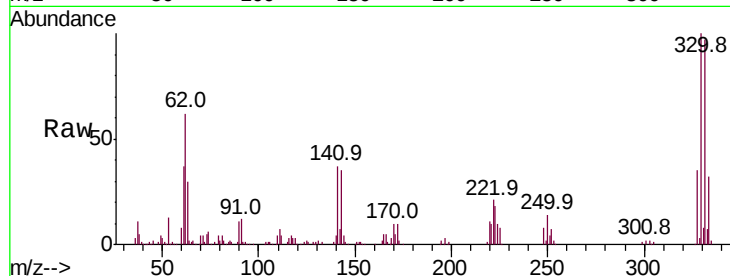
Tot Ion:198 Resp: 445

Ion Ratio Lower Upper

198 100

51 206.7 37.7 77.7#

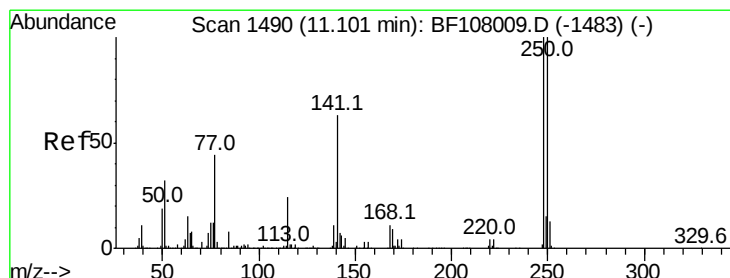
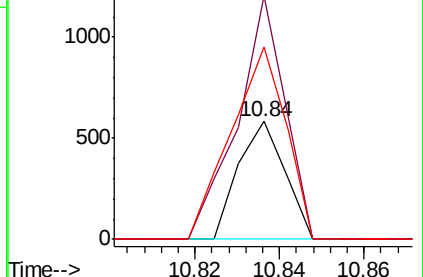
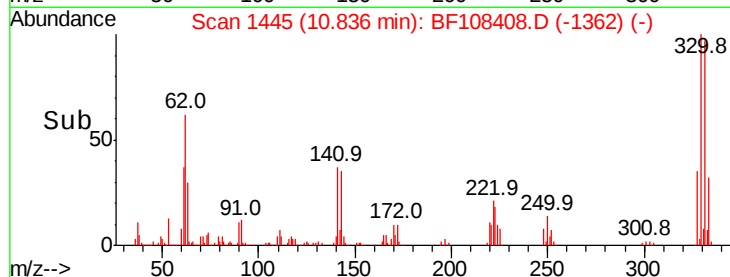
105 163.5 36.3 76.3#



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: 2.610 ng

RT: 10.84 min Scan# 1445

Delta R.T. -0.25 min

Lab File: BF108408.D

Acq: 23 Aug 2018 4:26

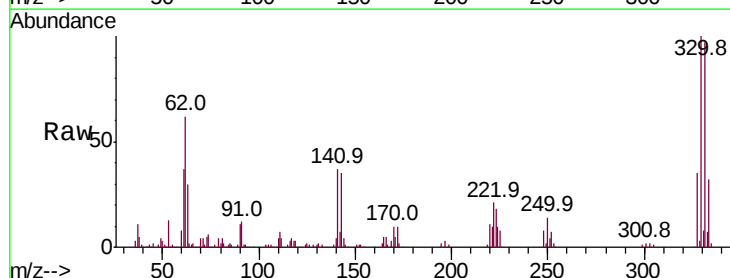
Tgt Ion:248 Resp: 11461

Ion Ratio Lower Upper

248 100

250 187.5 76.9 115.3#

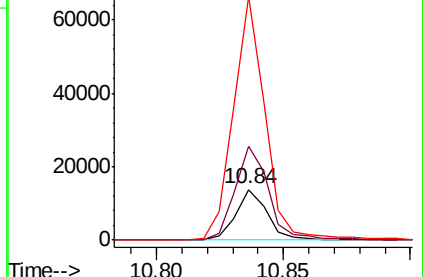
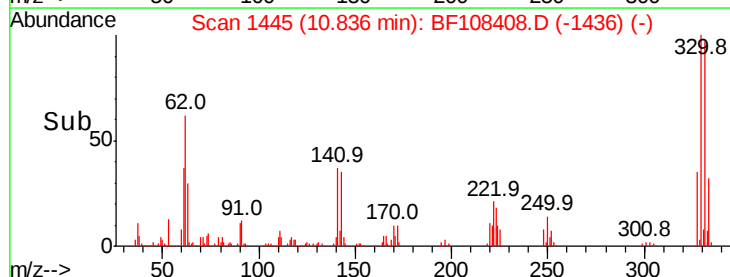
141 483.1 74.4 111.6#

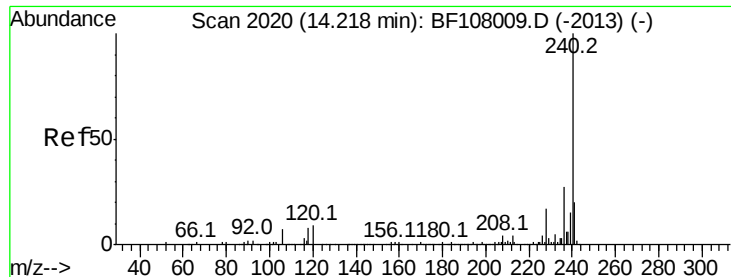


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108408.D

Acq: 23 Aug 2018 4:26

Instrument :

BNA_F

ClientSampleId :

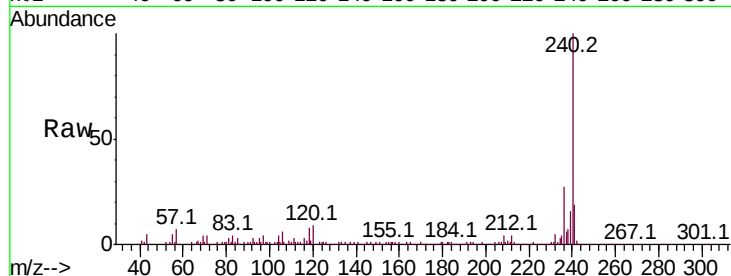
Tot Ion:240 Resp: 270100

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

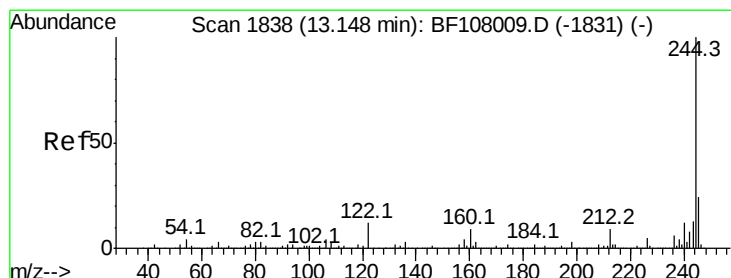
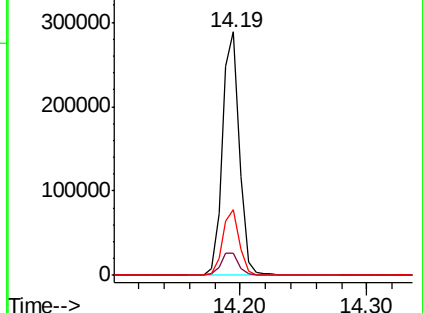
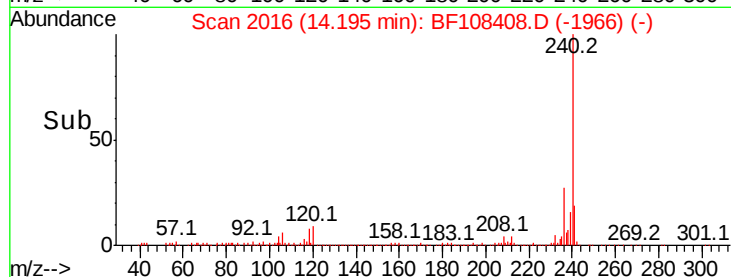
236 26.8 20.7 31.1



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: 107.428 ng

RT: 13.13 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF108408.D

Acq: 23 Aug 2018 4:26

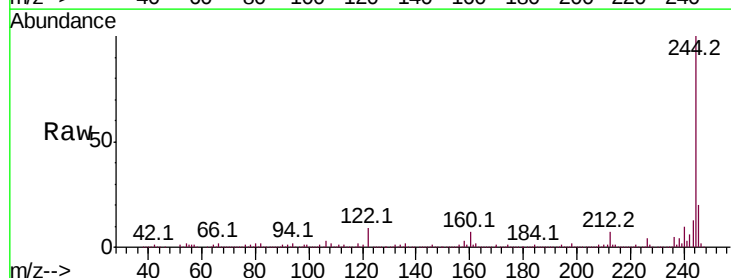
Tgt Ion:244 Resp: 1141216

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

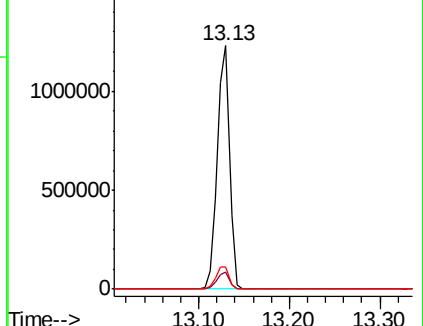
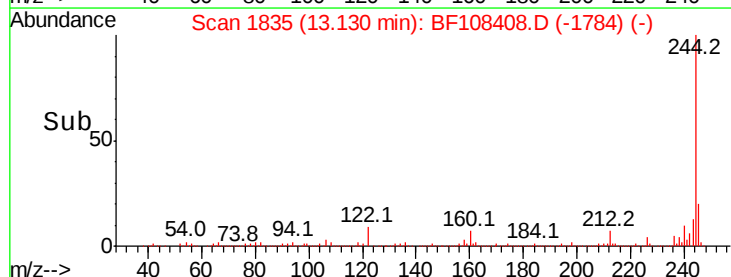
122 9.0 11.0 16.4#

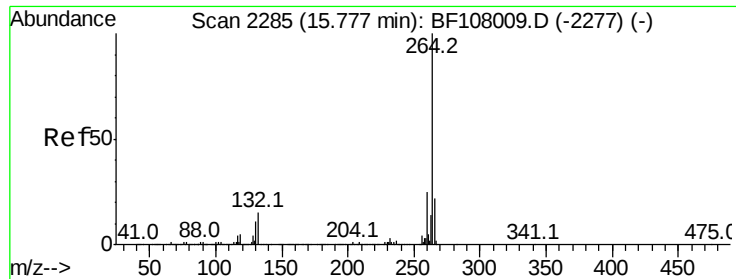


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.75 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF108408.D
 Acq: 23 Aug 2018 4:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.3	17.5	26.3

