

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108533.D
 Acq On : 28 Aug 2018 2:22
 Operator : JU/SJ
 Sample : J4659-06
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 03:10:58 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	106907	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	371285	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	155187	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	263745	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	274689	20.00	ng	-0.01
86) Perylene-d12	15.75	264	187208	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	223558	37.86	ng	0.00
7) Phenol-d6	6.61	99	176404	22.48	ng	-0.02
23) Nitrobenzene-d5	7.57	82	689315	103.60	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	135704	87.67	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1220917	126.31	ng	-0.01
78) Terphenyl-d14	13.12	244	1030503	95.39	ng	0.00

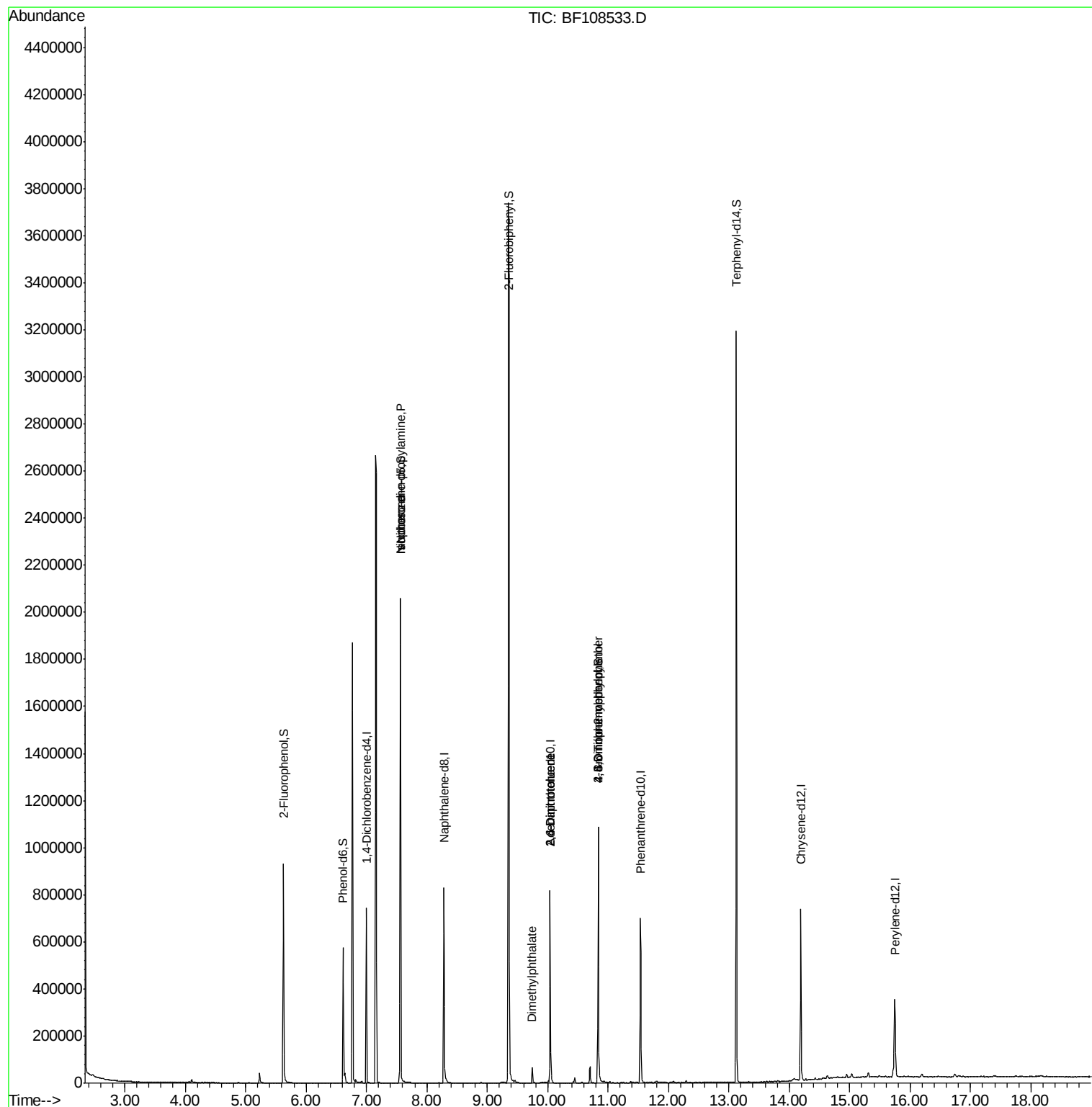
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.57	70	93476	17.616	ng	# 79
25) Isophorone	7.57	82	689305	54.352	ng	# 64
49) Dimethylphthalate	9.75	163	30617	2.832	ng	# 98
50) 2,6-Dinitrotoluene	10.04	165	19266	8.518	ng	# 24
56) 2,4-Dinitrotoluene	10.04	165	19266	6.618	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.84	198	270	5.601	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	8925	3.114	ng	# 1

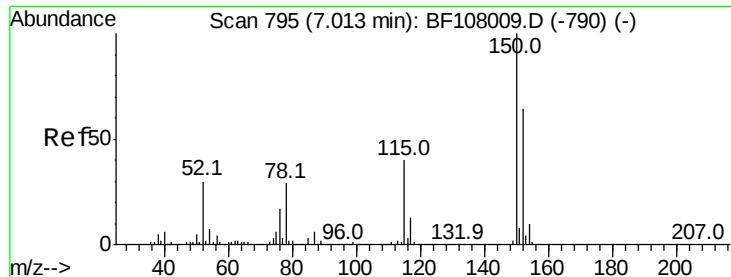
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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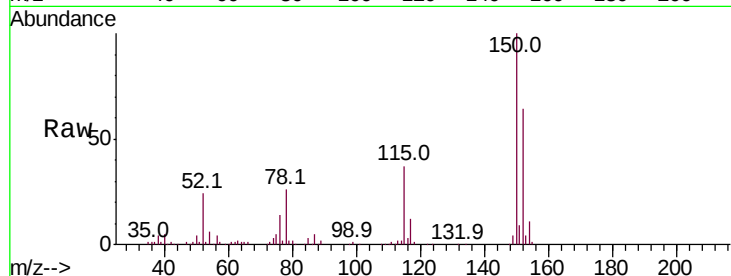


#1

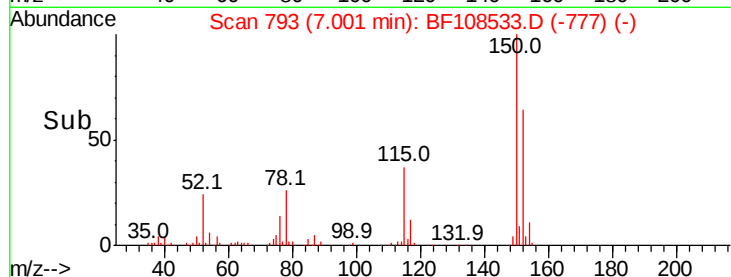
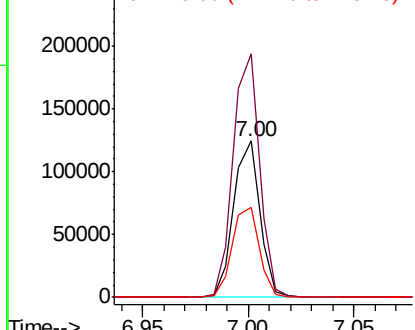
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108533.D
Acq: 28 Aug 2018 2:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 106907
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 57.6 50.1 75.1



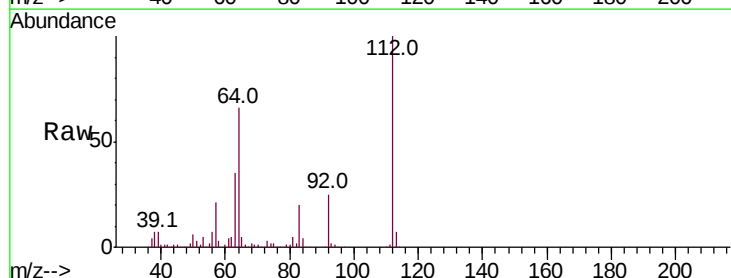
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



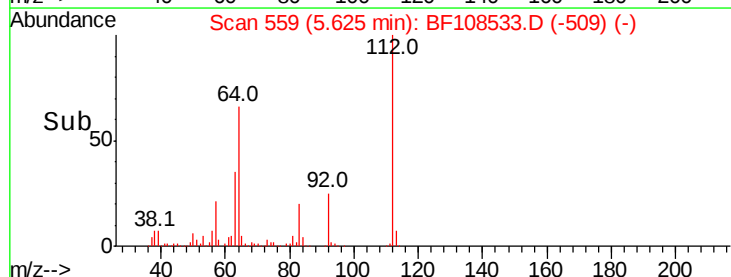
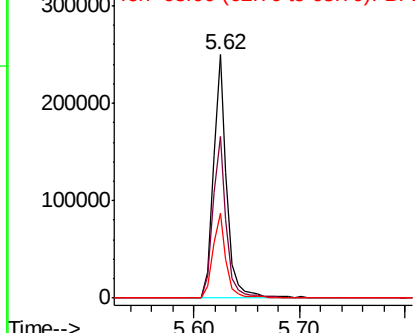
#5

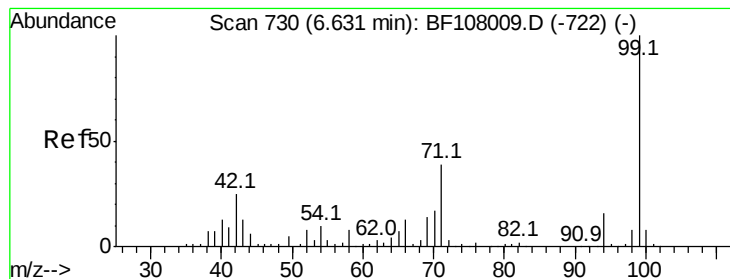
2-Fluorophenol
Concen: 37.859 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108533.D
Acq: 28 Aug 2018 2:22

Tgt Ion:112 Resp: 223558
Ion Ratio Lower Upper
112 100
64 66.5 47.9 71.9
63 34.9 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: 22.481 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108533.D

Acq: 28 Aug 2018 2:22

Instrument :

BNA_F

ClientSampled :

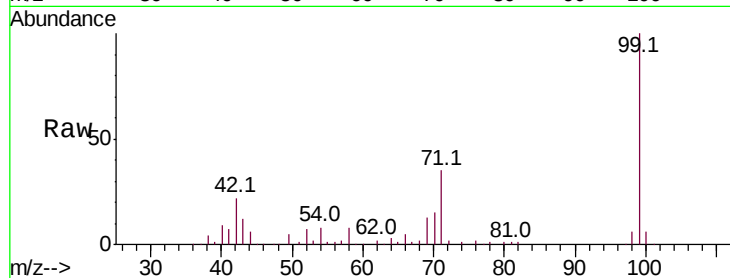
Tot Ion: 99 Resp: 176404

Ion Ratio Lower Upper

99 100

42 22.0 14.5 21.7#

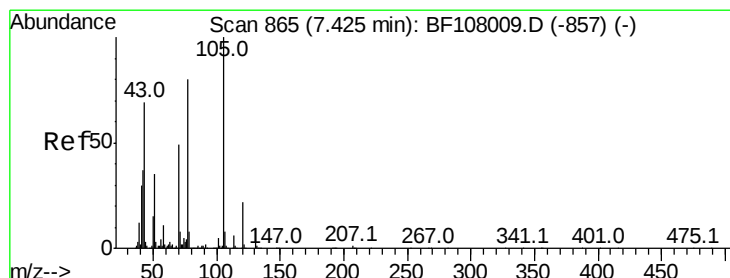
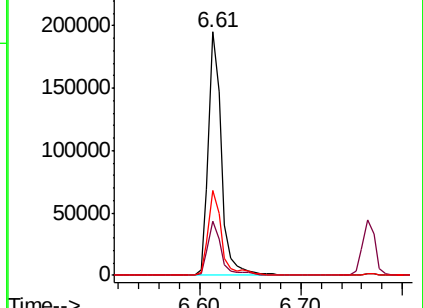
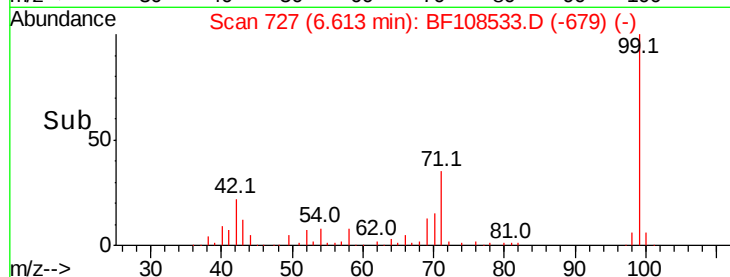
71 35.0 25.4 38.0



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: 17.616 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108533.D

Acq: 28 Aug 2018 2:22

Tgt Ion: 70 Resp: 93476

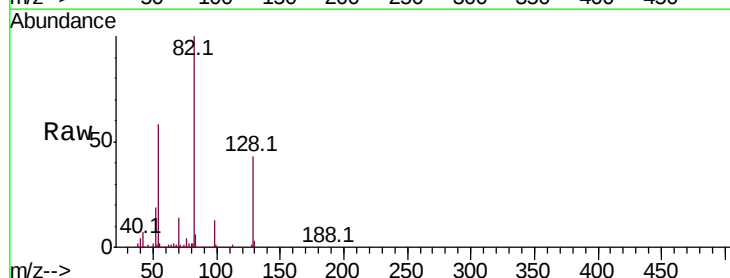
Ion Ratio Lower Upper

70 100

42 49.4 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

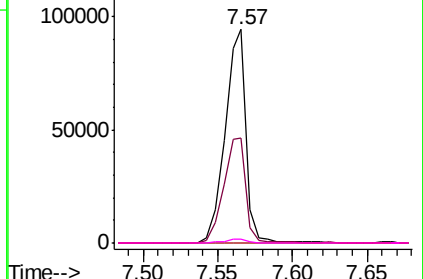
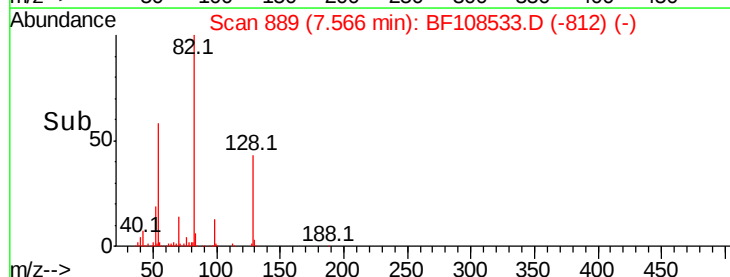


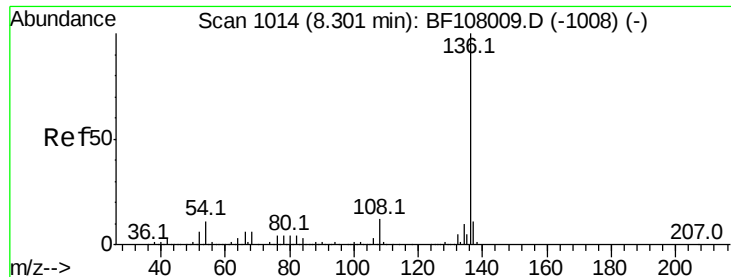
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

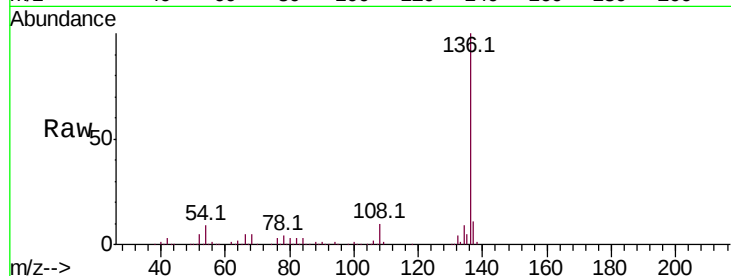




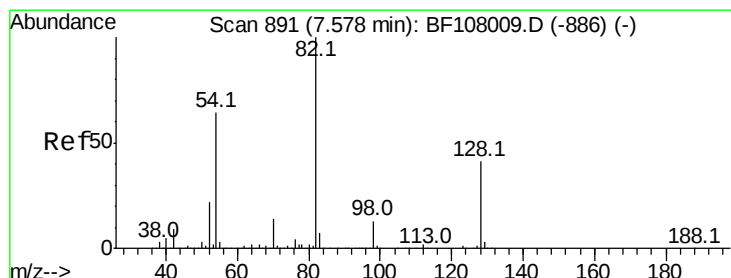
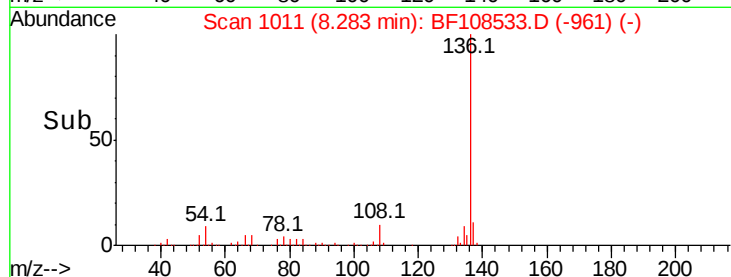
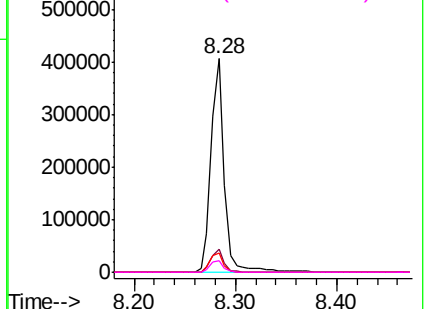
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108533.D
Acq: 28 Aug 2018 2:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	371285
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	9.2	6.6 9.8
68	5.5	5.0 7.4

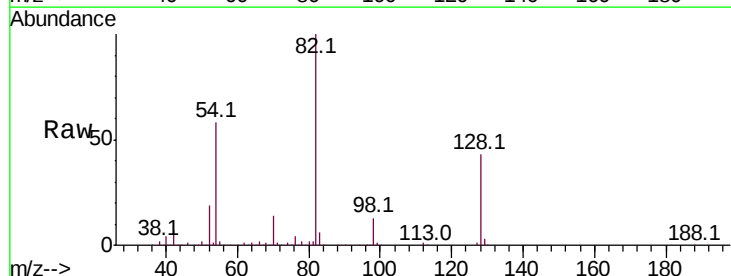


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

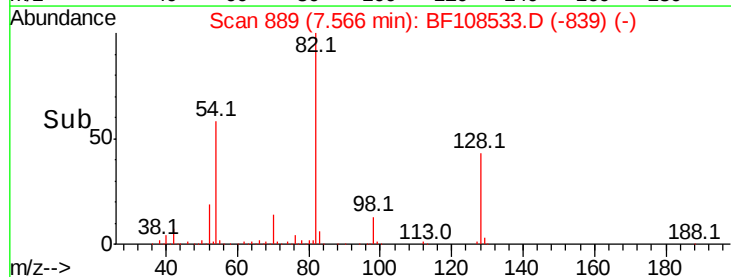
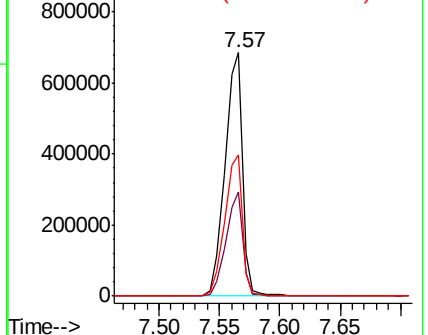


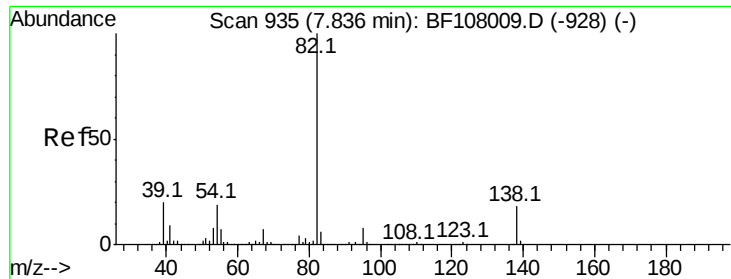
#23
Nitrobenzene-d5
Concen: 103.599 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108533.D
Acq: 28 Aug 2018 2:22

Tgt Ion: 82	Resp:	689315
Ion Ratio	Lower	Upper
82	100	
128	43.0	36.1 54.1
54	57.8	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: 54.352 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108533.D

Acq: 28 Aug 2018 2:22

Instrument :

BNA_F

ClientSampleId :

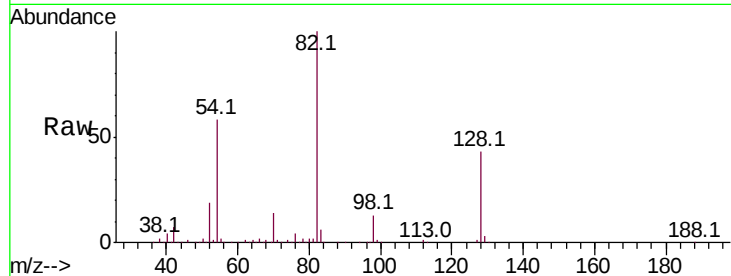
Tot Ion: 82 Resp: 689305

Ion Ratio Lower Upper

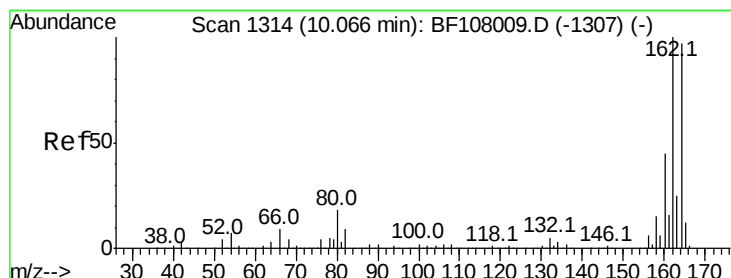
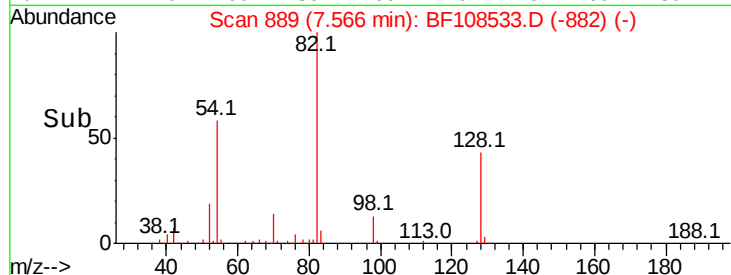
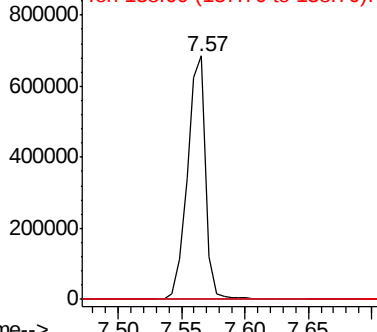
82 100

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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108533.D

Acq: 28 Aug 2018 2:22

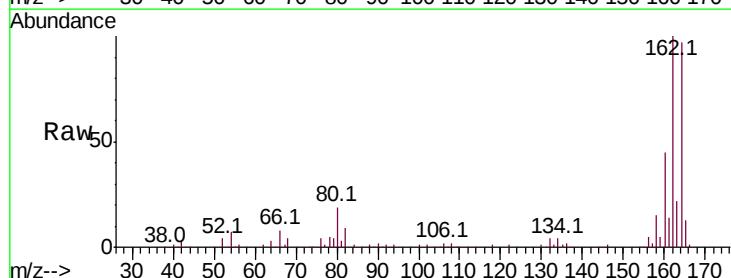
Tgt Ion: 164 Resp: 155187

Ion Ratio Lower Upper

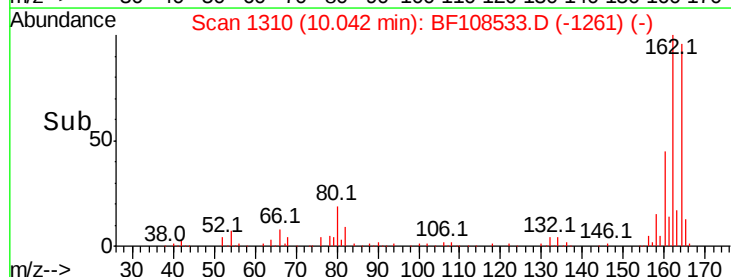
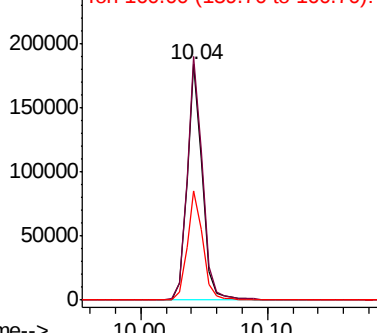
164 100

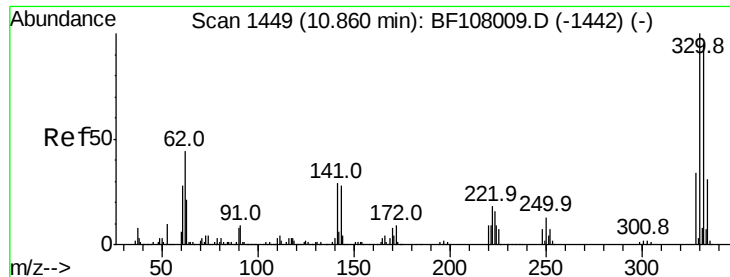
162 103.3 86.1 129.1

160 46.3 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

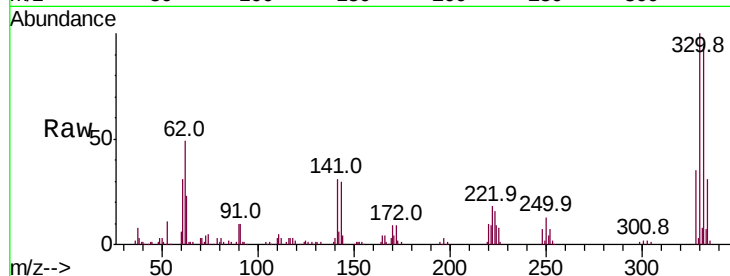




#41
 2,4,6-Tribromophenol
 Concen: 87.667 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108533.D
 Acq: 28 Aug 2018 2:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.0	115.6
141	32.4	29.9	44.9

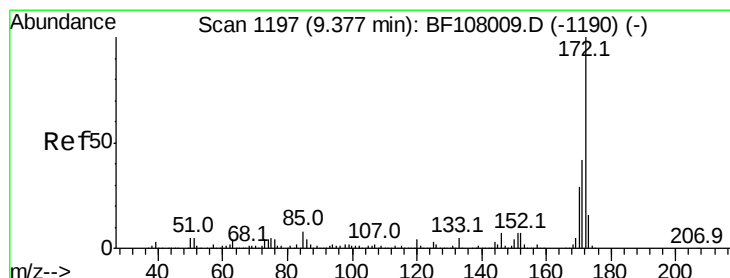
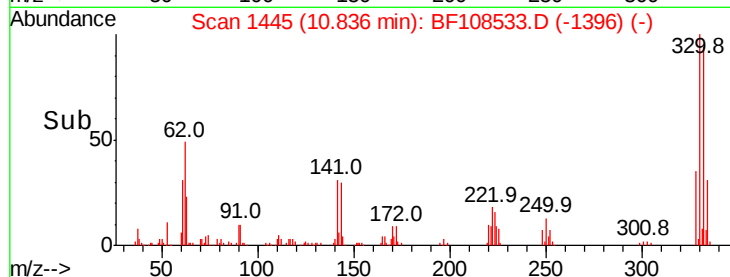
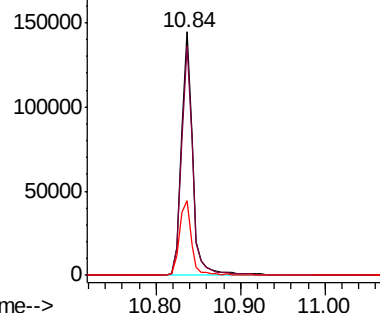


Abundance

Ion 329.80 (329.50 to 330.50): E

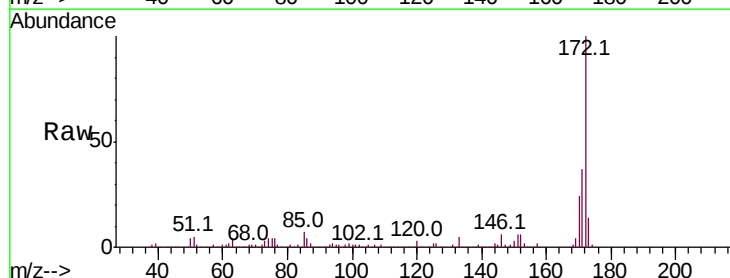
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 126.309 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108533.D
 Acq: 28 Aug 2018 2:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.2	19.6	29.4

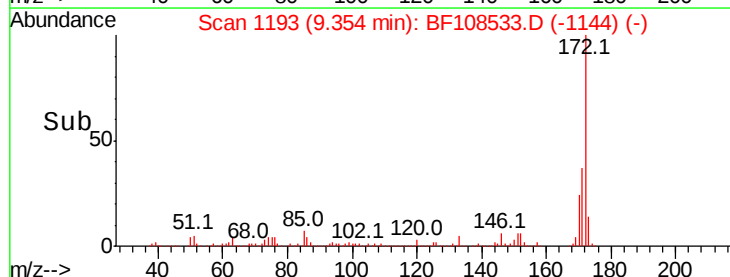
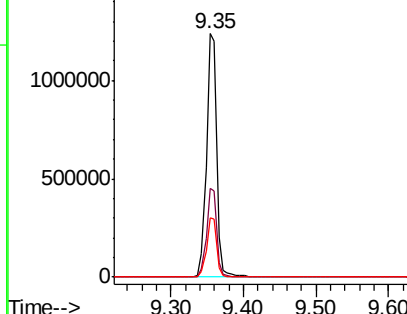


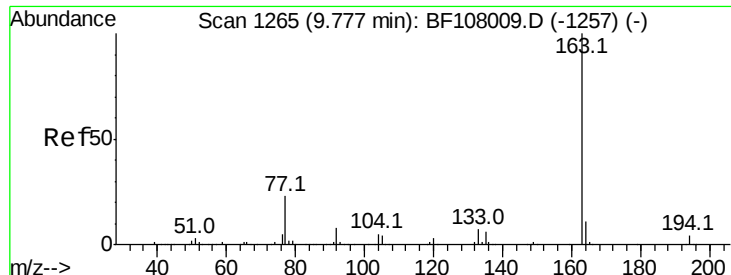
Abundance

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

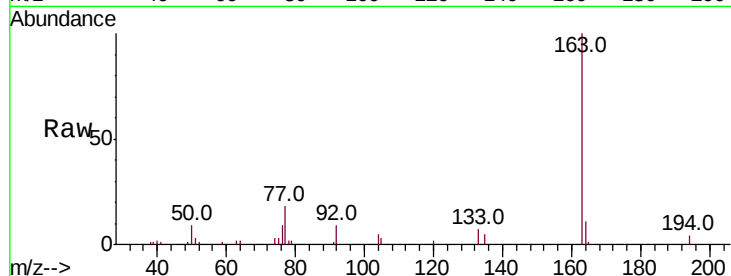




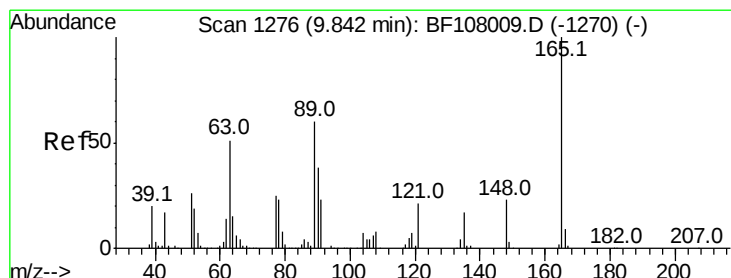
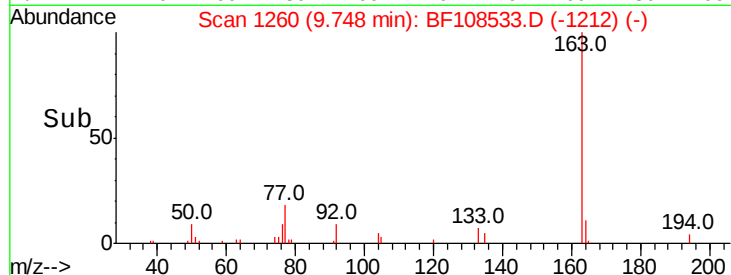
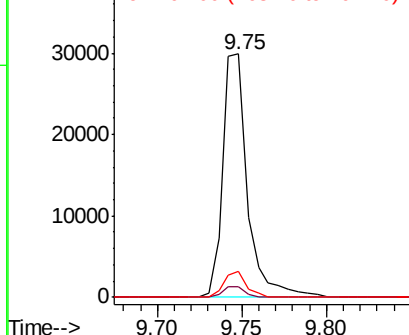
#49
Dimethylphthalate
Concen: 2.832 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108533.D
Acq: 28 Aug 2018 2:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 30617
Ion Ratio Lower Upper
163 100
194 4.3 2.7 4.1#
164 10.8 8.2 12.2

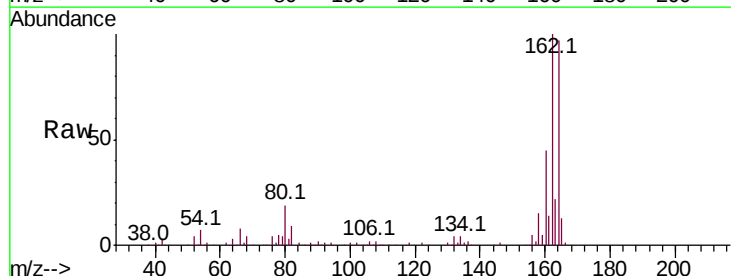


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

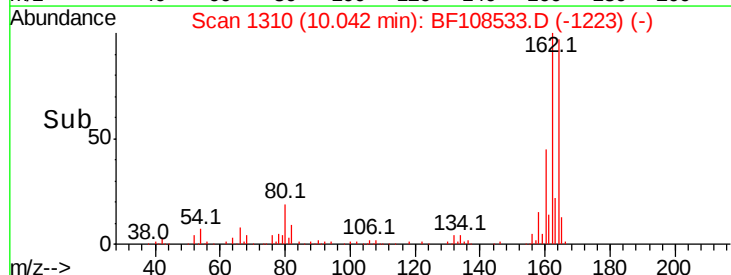
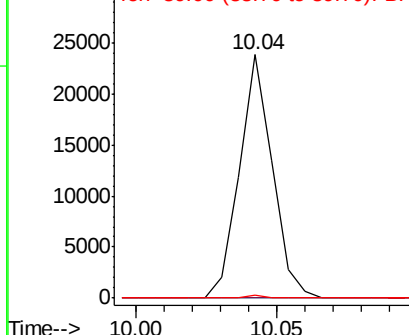


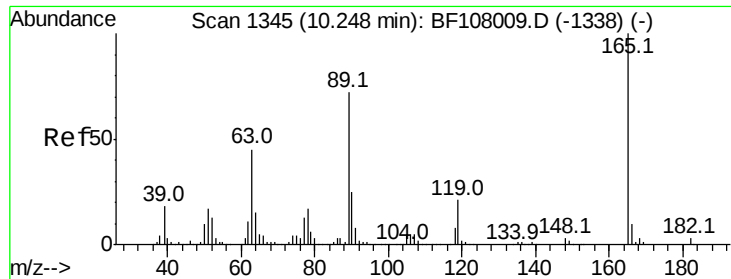
#50
2,6-Dinitrotoluene
Concen: 8.518 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108533.D
Acq: 28 Aug 2018 2:22

Tgt Ion:165 Resp: 19266
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.3 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

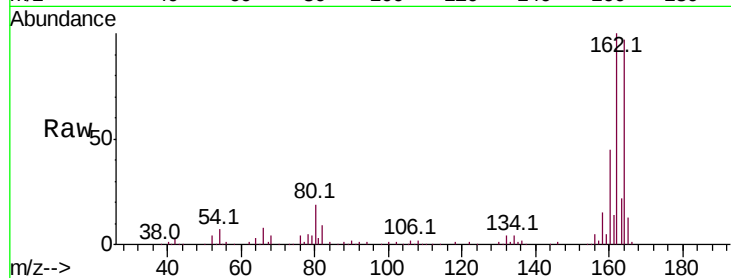




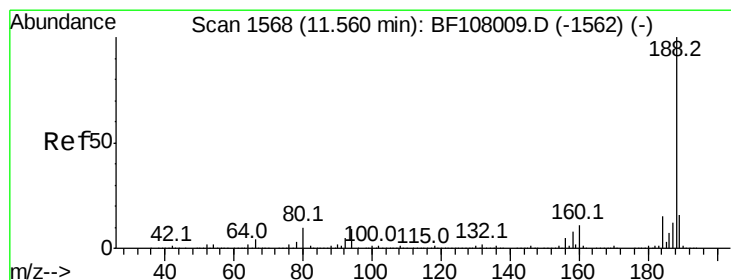
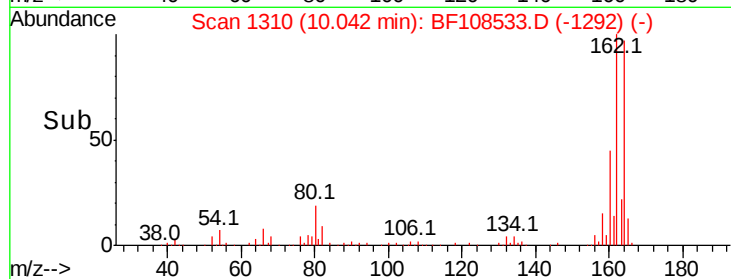
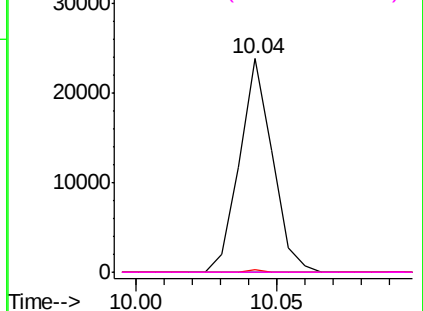
#56
 2,4-Dinitrotoluene
 Concen: 6.618 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108533.D
 Acq: 28 Aug 2018 2:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	19266
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

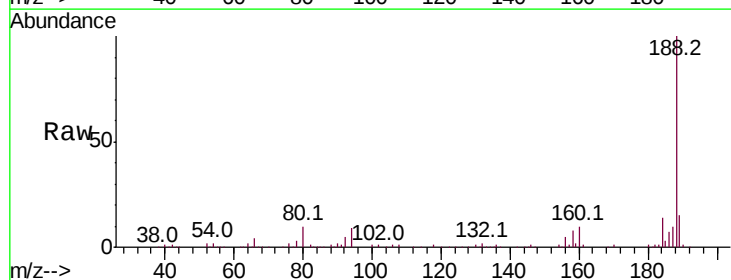


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

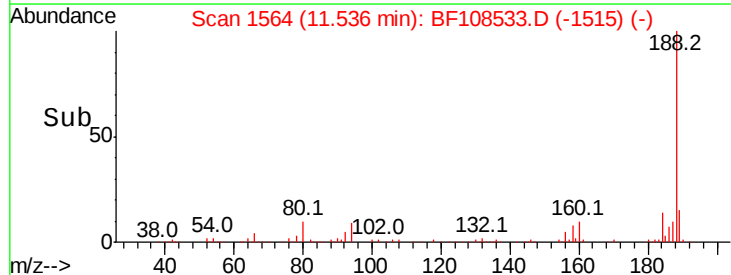
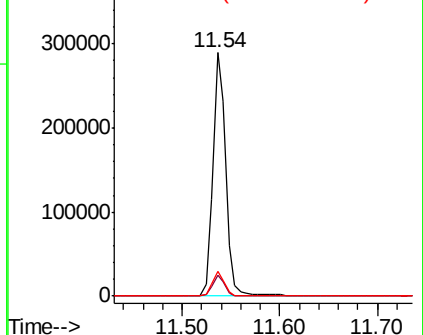


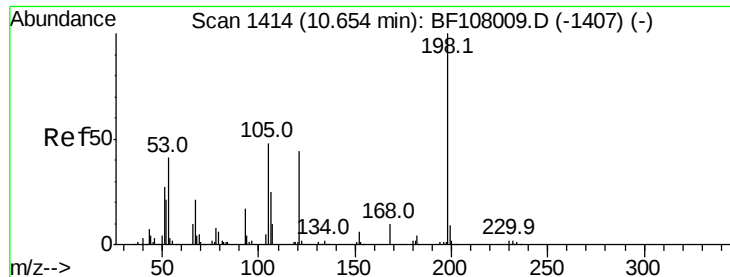
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108533.D
 Acq: 28 Aug 2018 2:22

Tgt Ion:	188	Resp:	263745
Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	10.1	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

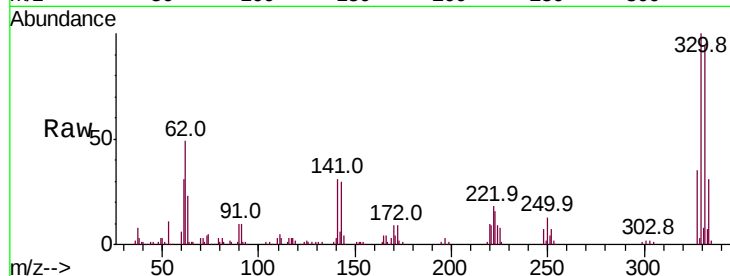




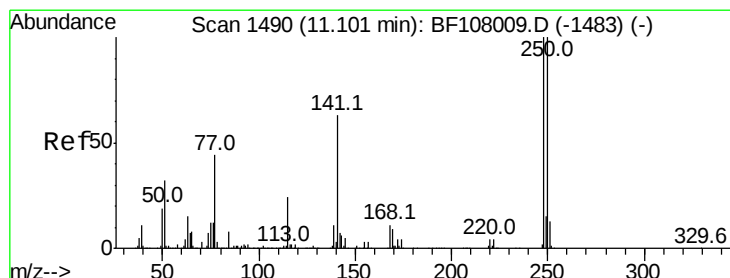
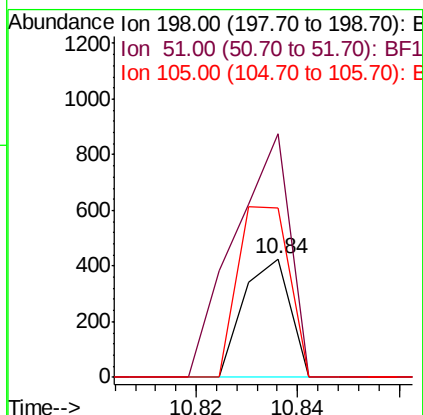
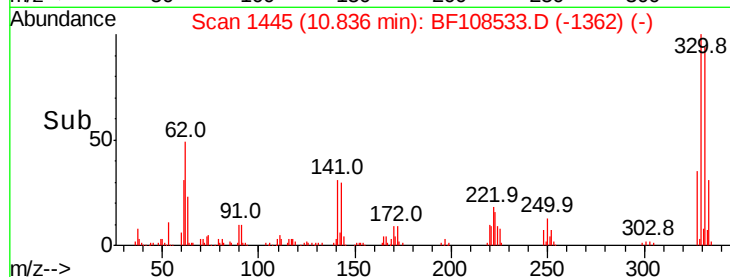
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.601 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108533.D
 Acq: 28 Aug 2018 2:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
198	100		
51	205.4	37.7	77.7#
105	143.2	36.3	76.3#

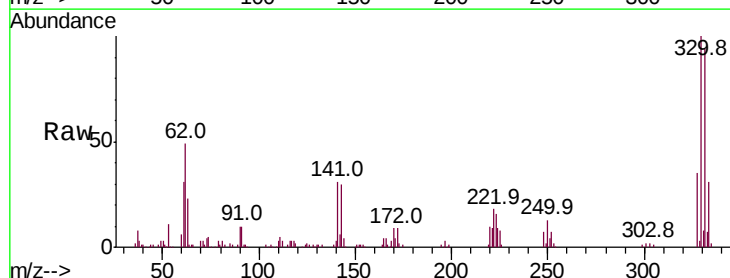


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

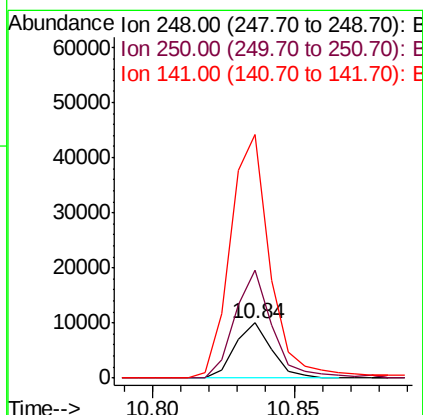
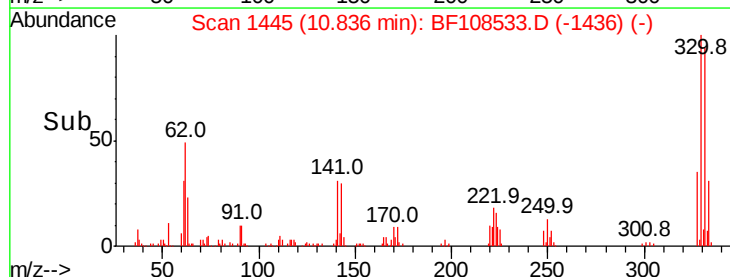


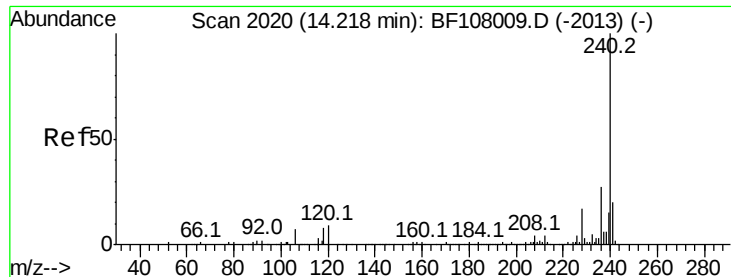
#66
 4-Bromophenyl-phenylether
 Concen: 3.114 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108533.D
 Acq: 28 Aug 2018 2:22

Tgt Ion	Ratio	Lower	Upper
248	100		
250	195.3	76.9	115.3#
141	442.3	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: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108533.D

Acq: 28 Aug 2018 2:22

Instrument :

BNA_F

ClientSampleId :

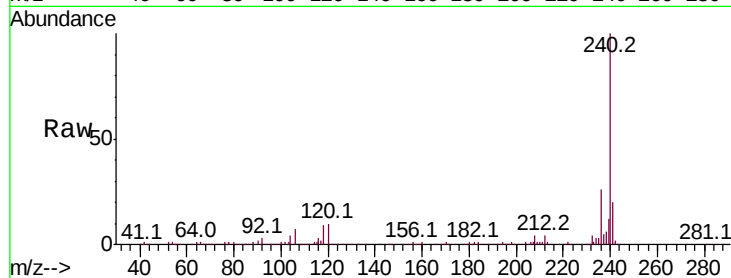
Tot Ion:240 Resp: 274689

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

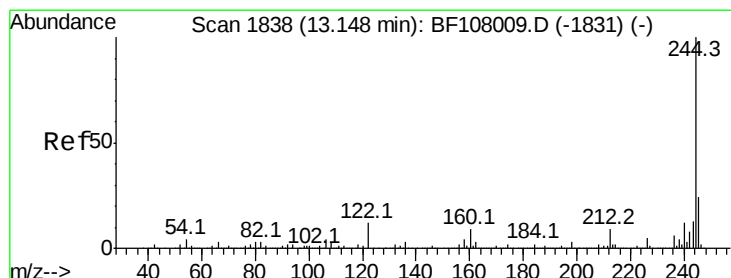
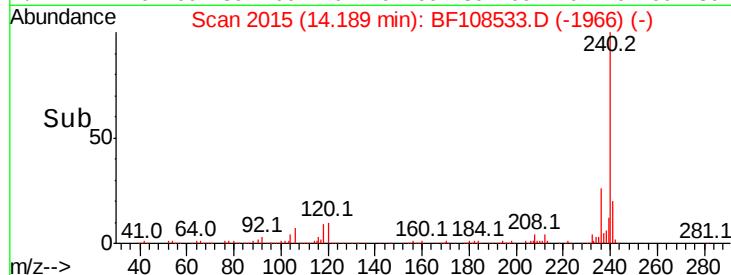
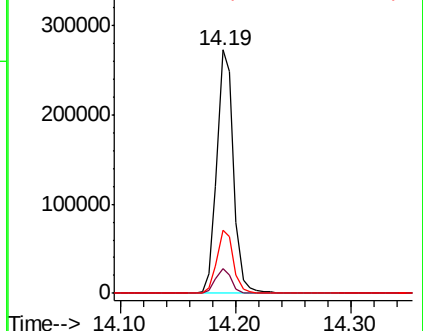
236 26.0 20.7 31.1



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



#78

Terphenyl-d14

Concen: 95.385 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108533.D

Acq: 28 Aug 2018 2:22

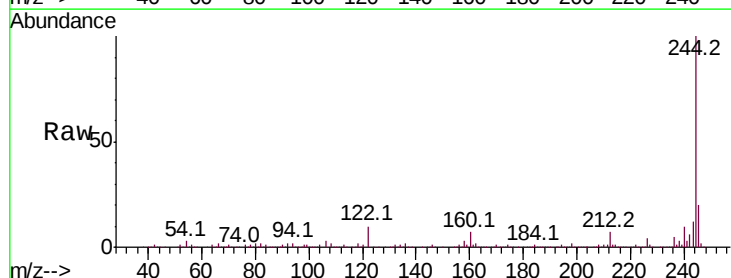
Tgt Ion:244 Resp: 1030503

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

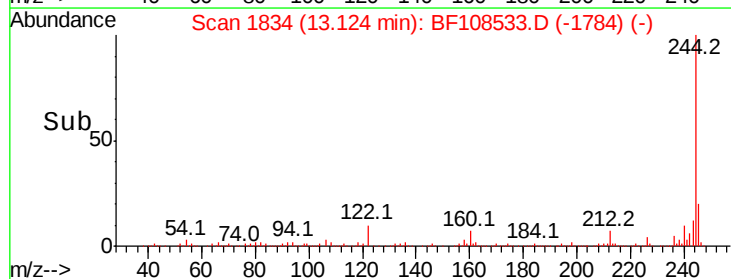
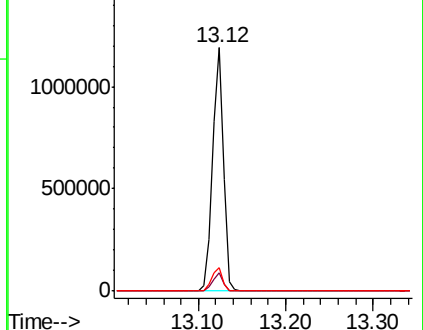
122 9.7 11.0 16.4#

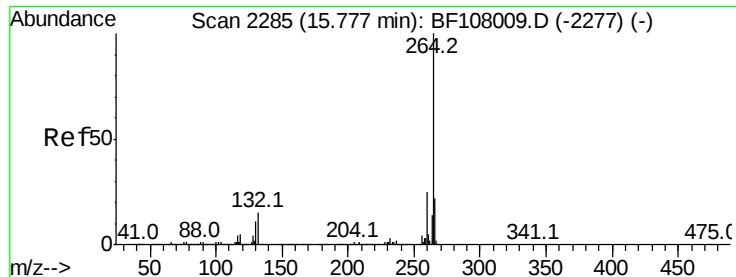


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

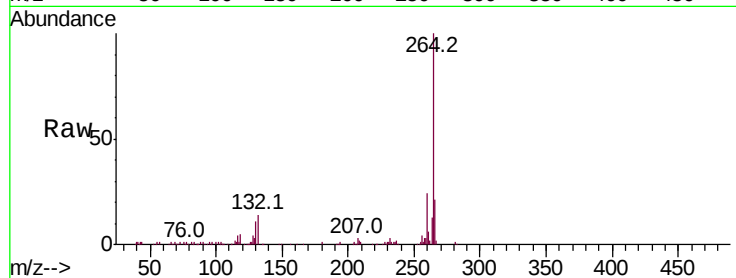




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108533.D
Acq: 28 Aug 2018 2:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.4	17.5	26.3



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

