

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108339.D
 Acq On : 21 Aug 2018 15:17
 Operator : JU/SJ
 Sample : J4521-27RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11988

Quant Time: Aug 21 15:40:36 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	7.01	152	169994	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	637994	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	332469	20.00	ng	-0.02
63) Phenanthrene-d10	11.55	188	707535	20.00	ng	-0.01
75) Chrysene-d12	14.20	240	556793	20.00	ng	-0.02
86) Perylene-d12	15.75	264	376288	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	1194187	127.18	ng	0.02
7) Phenol-d6	6.63	99	1454580	116.58	ng	0.00
23) Nitrobenzene-d5	7.57	82	1212740	106.07	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	580124	174.93	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2101522	101.48	ng	-0.01
78) Terphenyl-d14	13.14	244	2644692	120.77	ng	-0.01

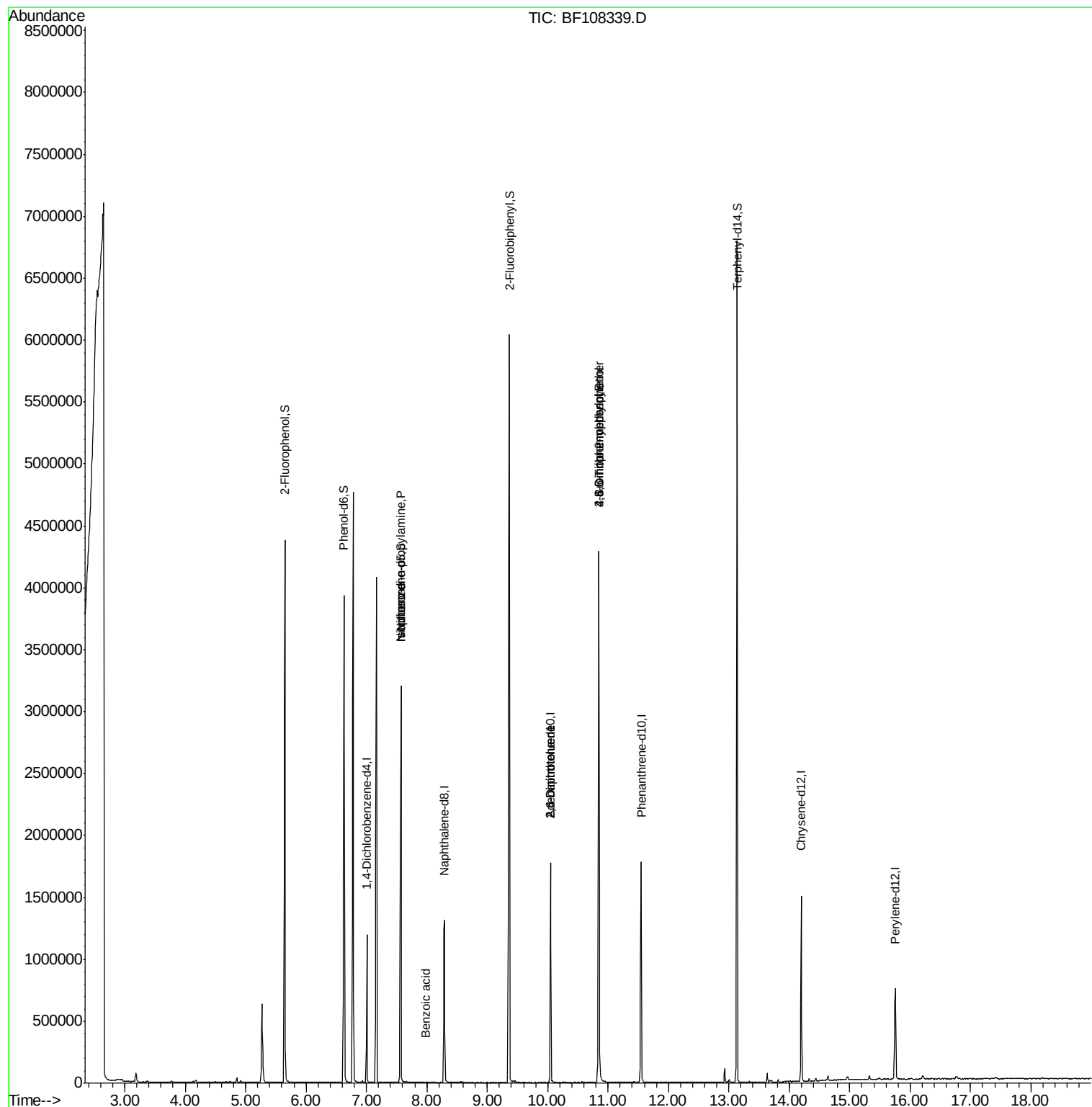
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.57	70	167251	19.822	ng	# 81
25) Isophorone	7.57	82	1209531	55.503	ng	# 64
32) Benzoic acid	7.98	122	387	6.035	ng	# 82
50) 2,6-Dinitrotoluene	10.05	165	41856	8.638	ng	# 26
56) 2,4-Dinitrotoluene	10.05	165	41856	6.711	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	1283	5.788	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	37675	4.900	ng	# 1

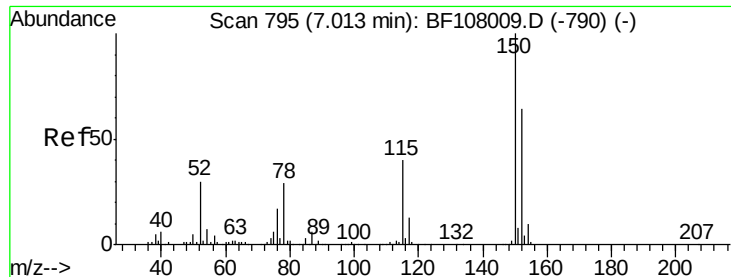
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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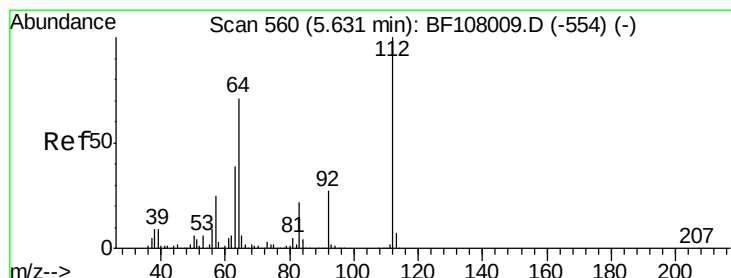
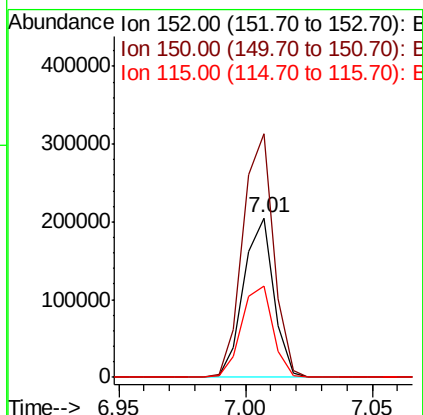
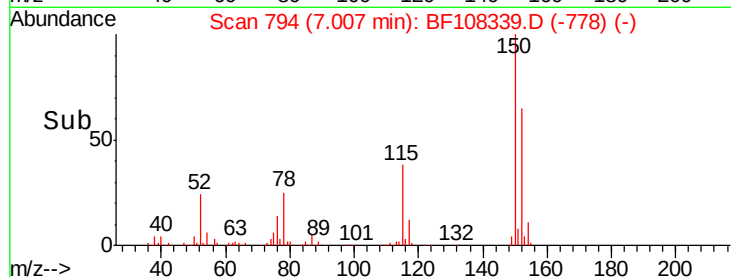
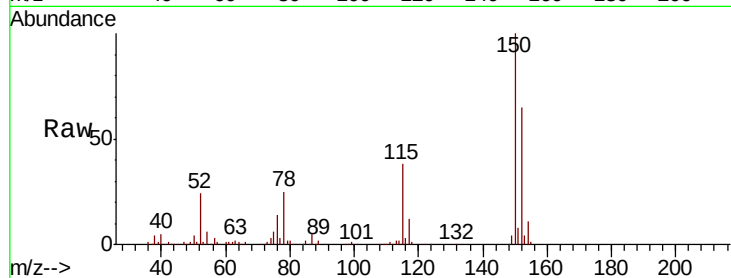


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF108339.D
Acq: 21 Aug 2018 15:17

Instrument :
BNA_F
ClientSampleId :
72-11988

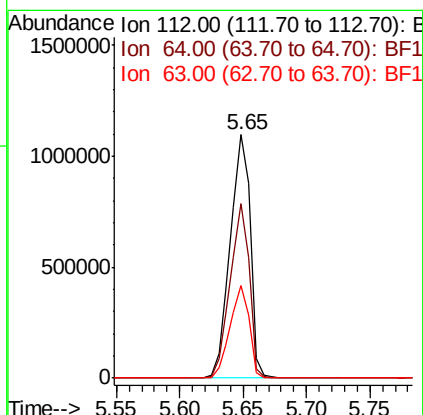
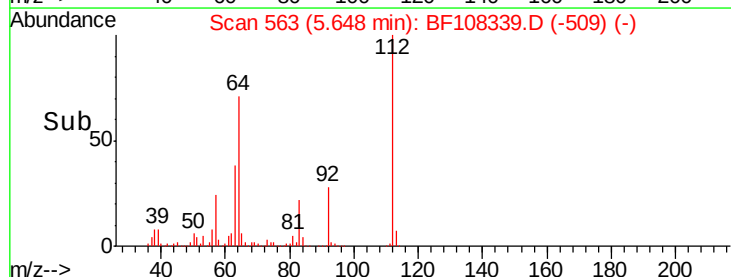
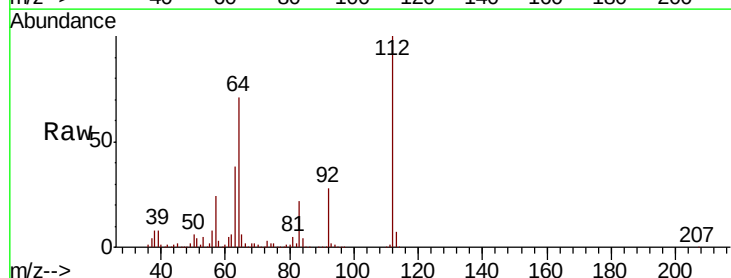
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.6	186.8
115	57.6	50.1	75.1

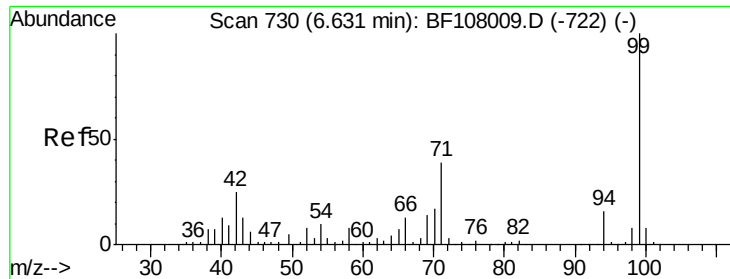


#5

2-Fluorophenol
Concen: 127.182 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108339.D
Acq: 21 Aug 2018 15:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.5	47.9	71.9
63	37.9	23.7	35.5





#7

Phenol-d6

Concen: 116.576 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108339.D

Acq: 21 Aug 2018 15:17

Instrument :

BNA_F

ClientSampleId :

72-11988

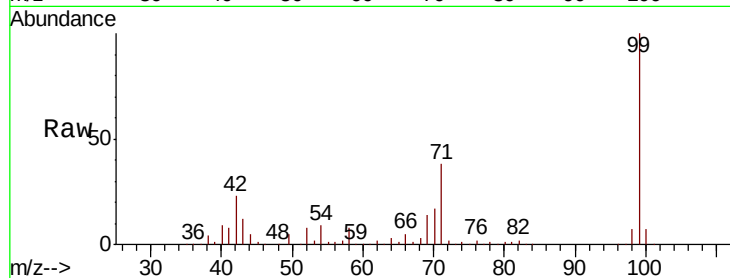
Tot Ion: 99 Resp: 1454580

Ion Ratio Lower Upper

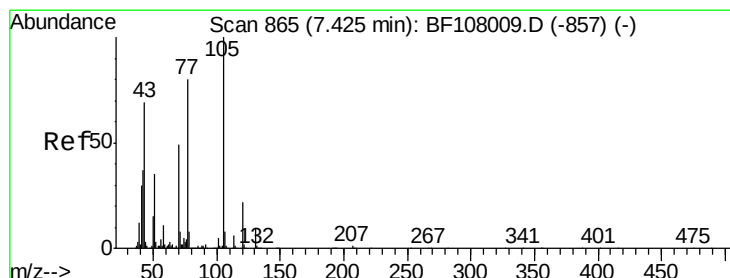
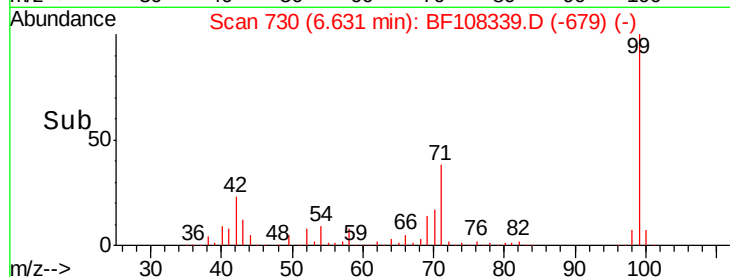
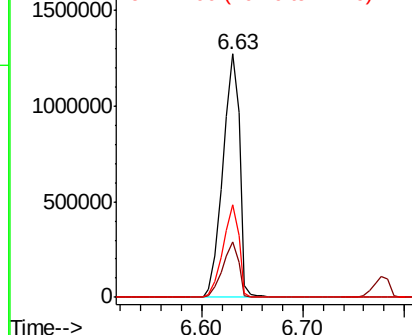
99 100

42 23.0 14.5 21.7#

71 38.0 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: 19.822 ng

RT: 7.57 min Scan# 890

Delta R.T. 0.15 min

Lab File: BF108339.D

Acq: 21 Aug 2018 15:17

Tgt Ion: 70 Resp: 167251

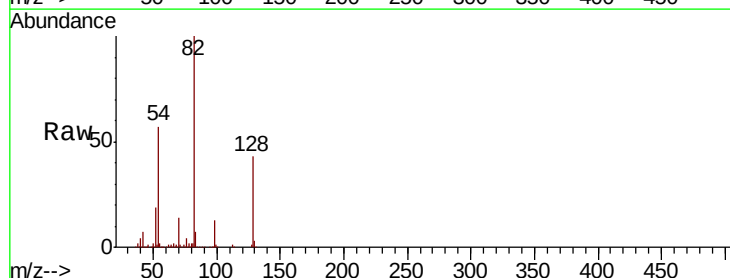
Ion Ratio Lower Upper

70 100

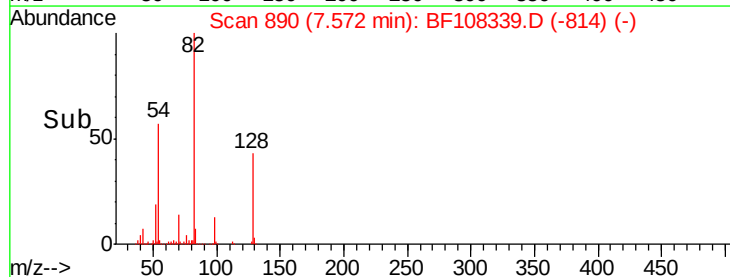
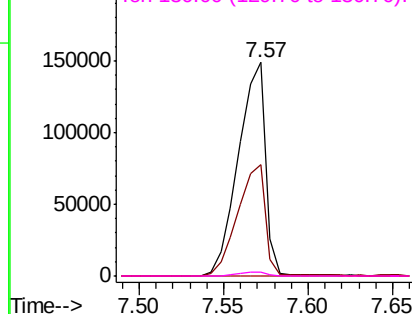
42 51.9 47.5 71.3

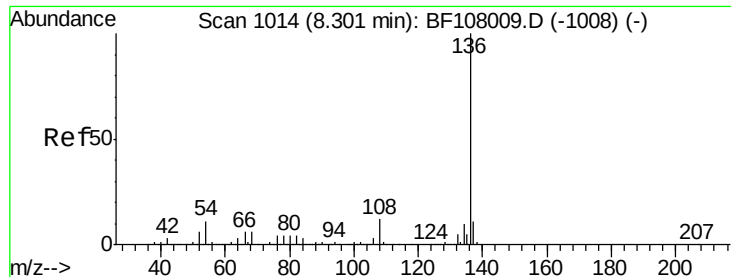
101 0.0 7.4 11.2#

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: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF108339.D

Acq: 21 Aug 2018 15:17

Instrument :

BNA_F

ClientSampleId :

72-11988

Tot Ion:136 Resp: 637994

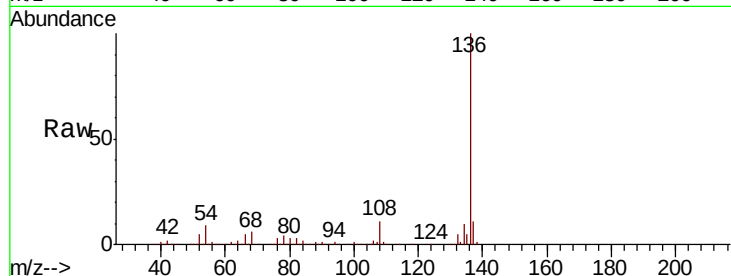
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.0 6.6 9.8

68 5.5 5.0 7.4

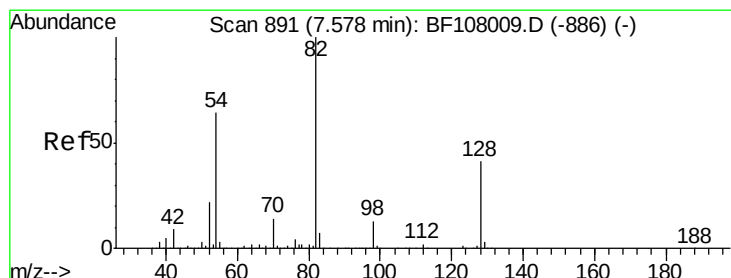
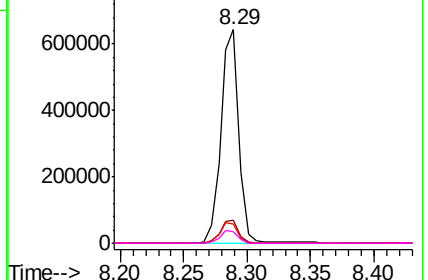
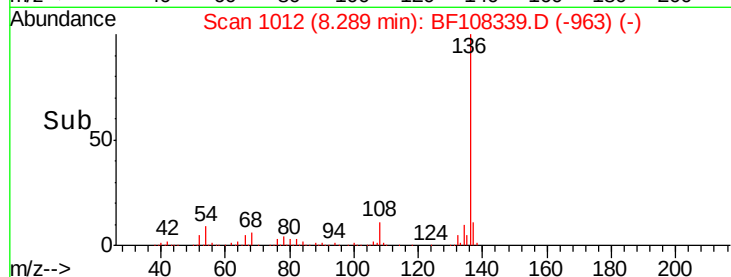


Abundance Ion 136.00 (135.70 to 136.70): E

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: 106.071 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF108339.D

Acq: 21 Aug 2018 15:17

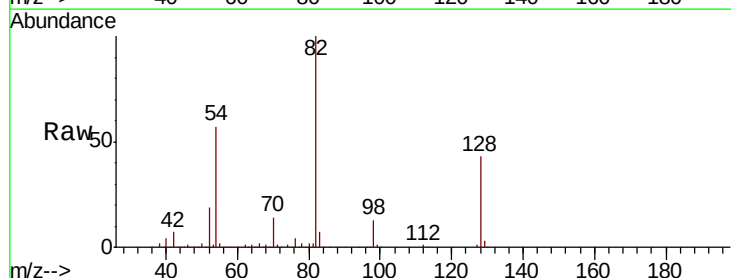
Tgt Ion: 82 Resp: 1212740

Ion Ratio Lower Upper

82 100

128 43.4 36.1 54.1

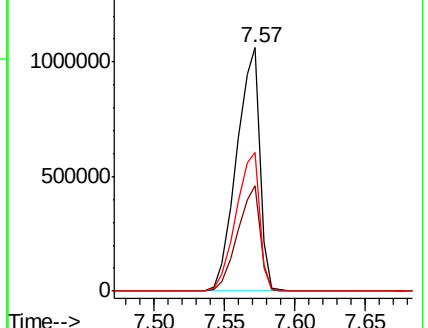
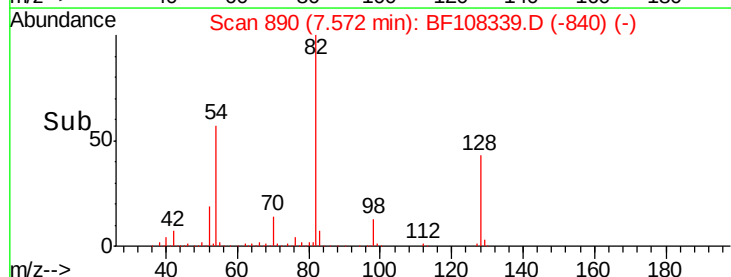
54 56.9 41.4 62.2

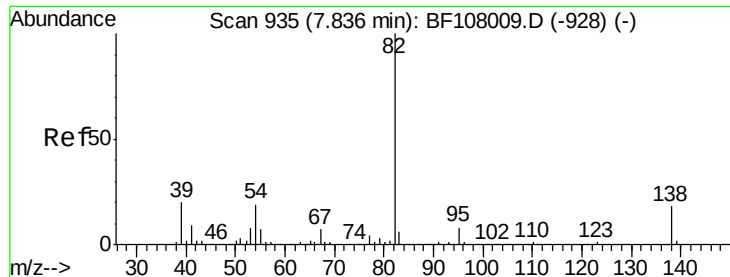


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 55.503 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.26 min

Lab File: BF108339.D

Acq: 21 Aug 2018 15:17

Instrument :

BNA_F

ClientSampleId :

72-11988

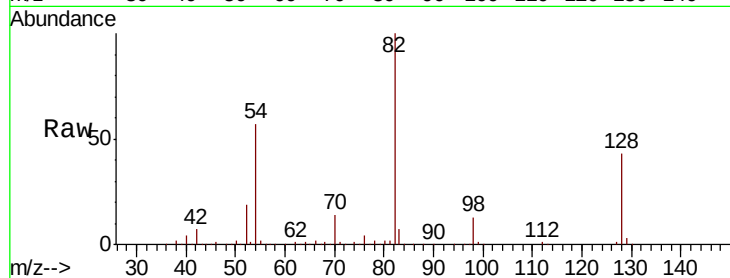
Tot Ion: 82 Resp: 1209531

Ion Ratio Lower Upper

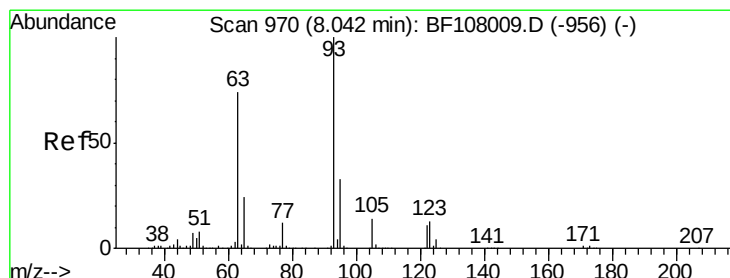
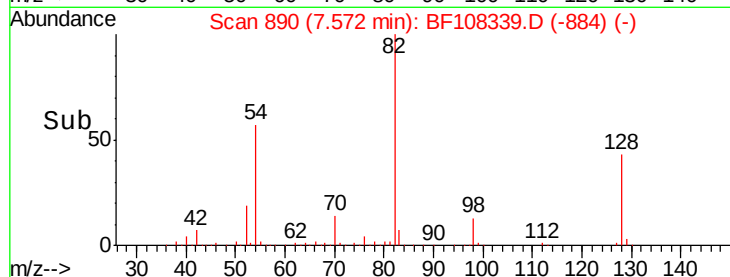
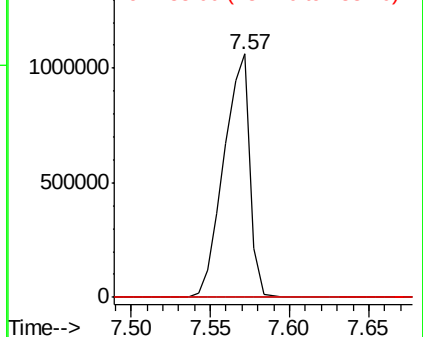
82 100

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: 6.035 ng

RT: 7.98 min Scan# 960

Delta R.T. -0.06 min

Lab File: BF108339.D

Acq: 21 Aug 2018 15:17

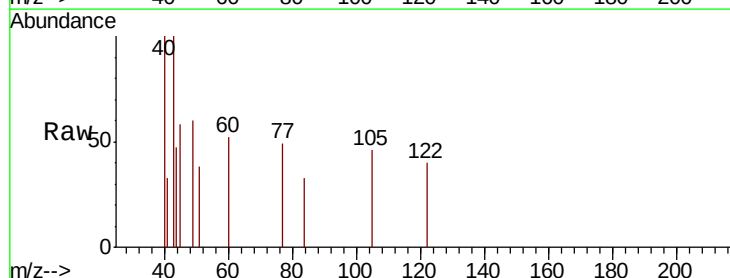
Tgt Ion: 122 Resp: 387

Ion Ratio Lower Upper

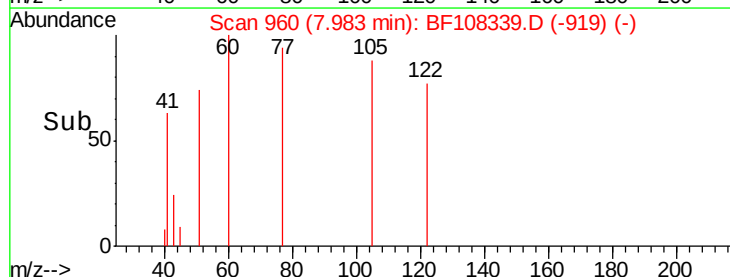
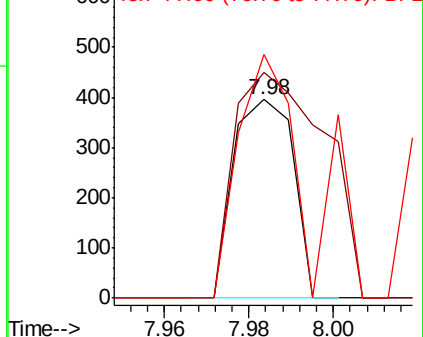
122 100

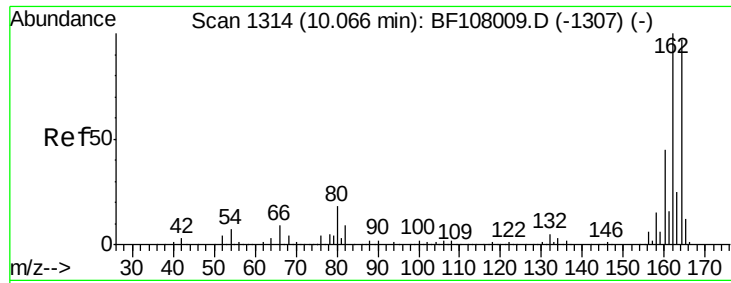
105 113.9 101.1 141.1

77 122.7 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

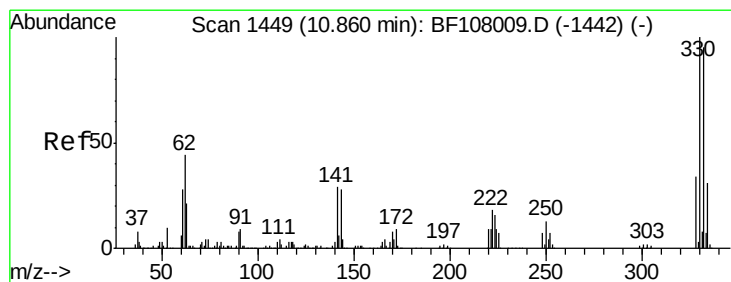
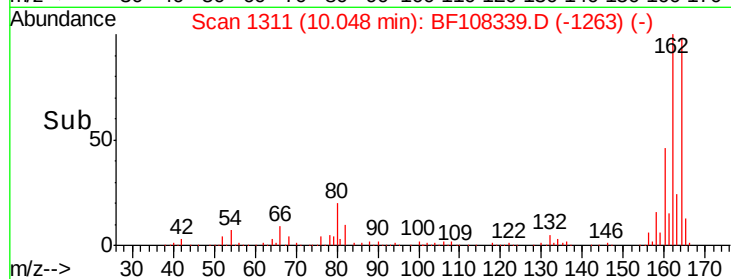
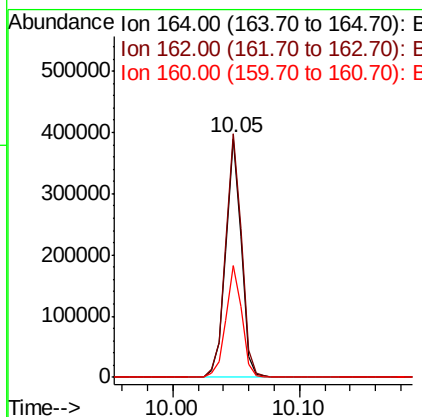
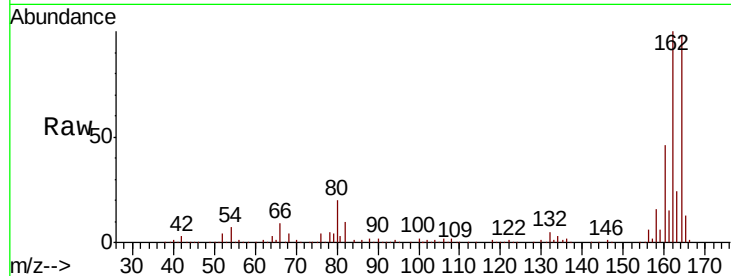




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF108339.D
Acq: 21 Aug 2018 15:17

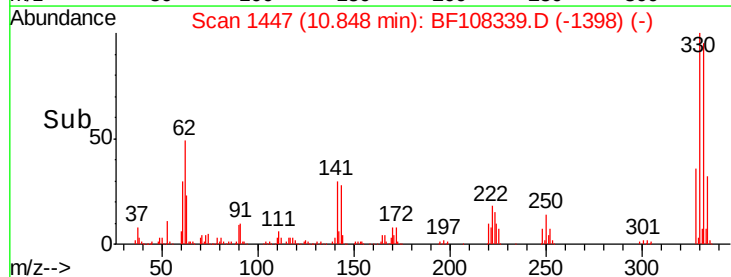
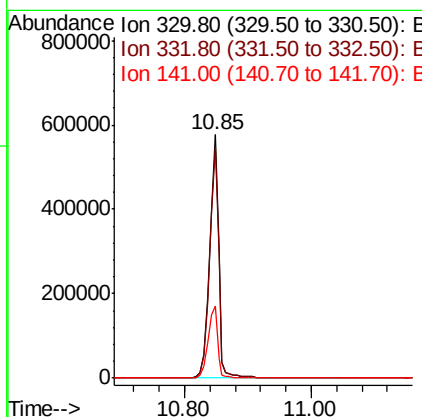
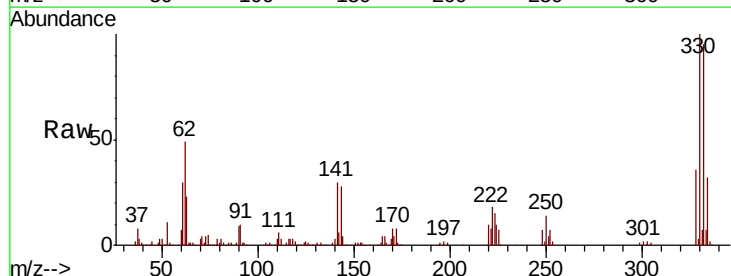
Instrument :
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72-11988

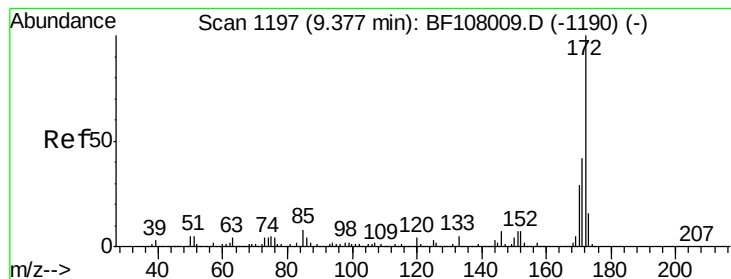
Tot Ion:164 Resp: 332469
Ion Ratio Lower Upper
164 100
162 101.9 86.1 129.1
160 46.8 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 174.931 ng
RT: 10.85 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BF108339.D
Acq: 21 Aug 2018 15:17

Tgt Ion:330 Resp: 580124
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 31.4 29.9 44.9





#44

2-Fluorobiphenyl

Concen: 101.481 ng

RT: 9.37 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BF108339.D

Acq: 21 Aug 2018 15:17

Instrument :

BNA_F

ClientSampleId :

72-11988

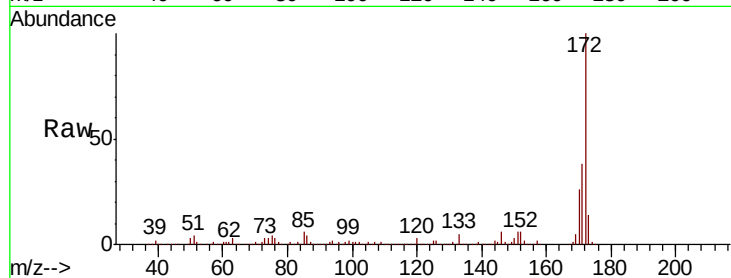
Tot Ion:172 Resp: 2101522

Ion Ratio Lower Upper

172 100

171 38.4 29.7 44.5

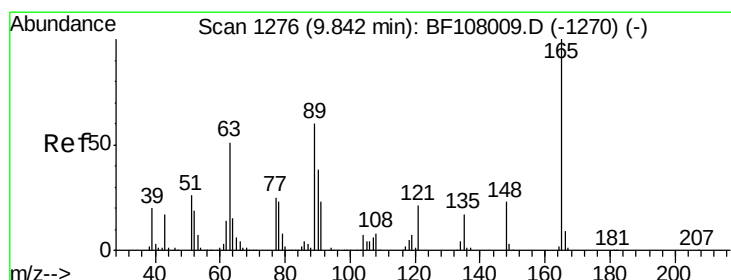
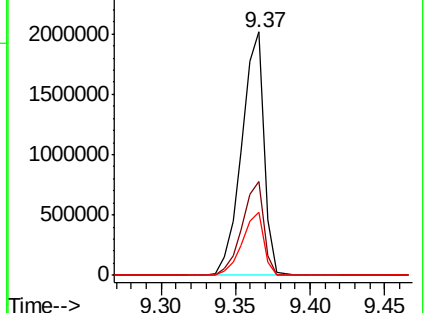
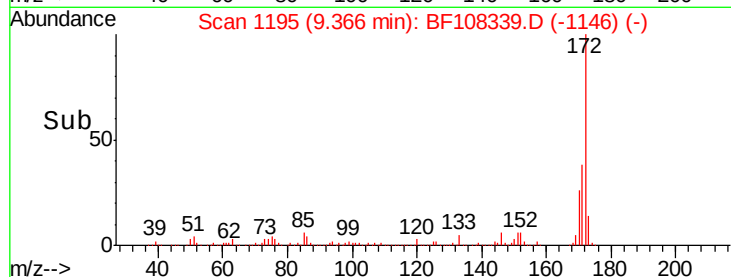
170 25.7 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 8.638 ng

RT: 10.05 min Scan# 1311

Delta R.T. 0.21 min

Lab File: BF108339.D

Acq: 21 Aug 2018 15:17

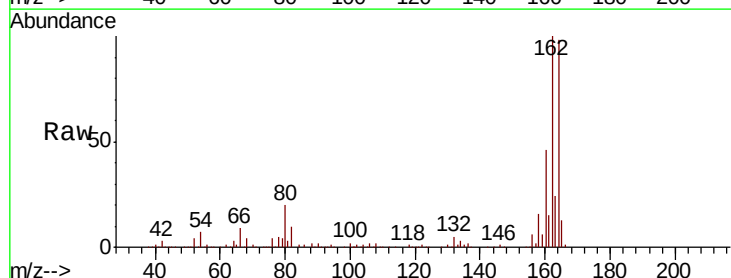
Tgt Ion:165 Resp: 41856

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

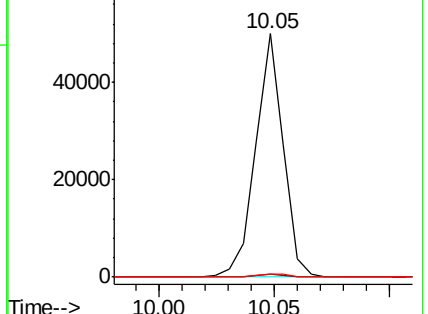
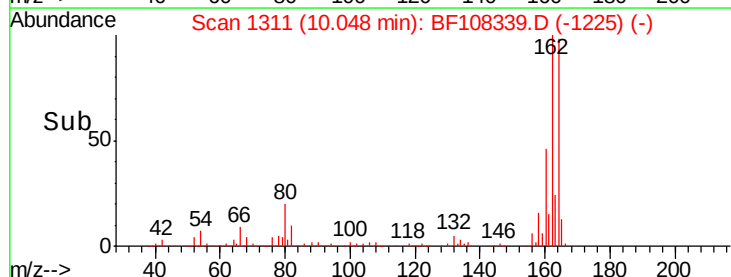
89 1.4 44.0 66.0#

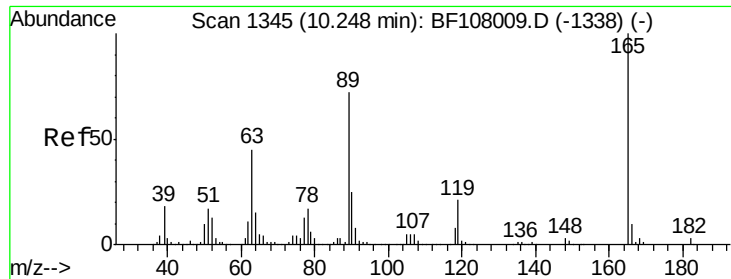


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

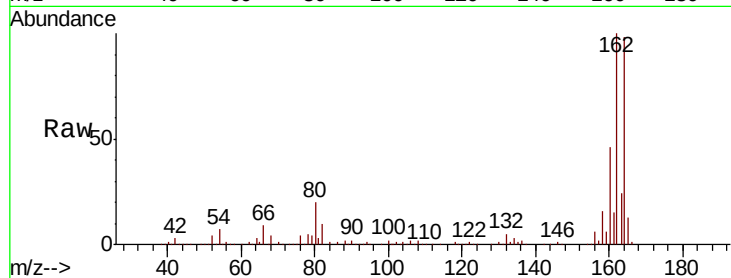




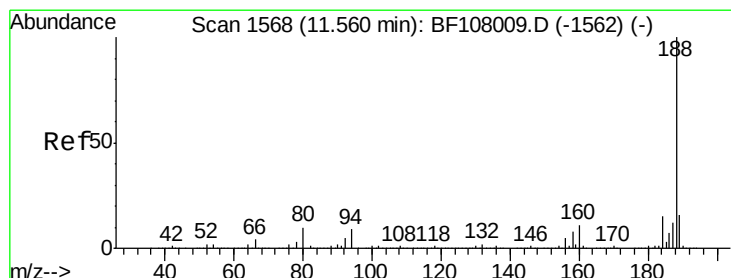
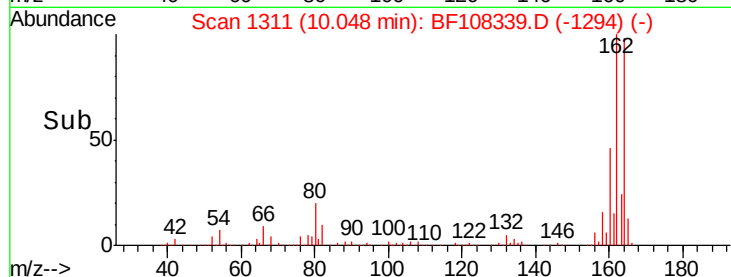
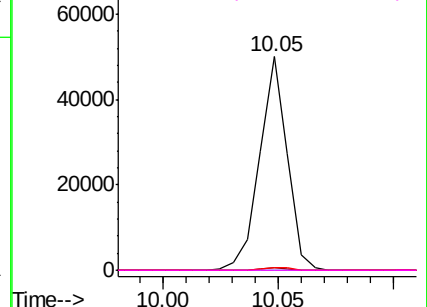
#56
 2,4-Dinitrotoluene
 Concen: 6.711 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.20 min
 Lab File: BF108339.D
 Acq: 21 Aug 2018 15:17

Instrument :
 BNA_F
 ClientSampleId :
 72-11988

Tot Ion:165	Resp:	41856
Ion Ratio	Lower	Upper
165	100	
63	1.4	36.4 54.6#
89	1.4	57.8 86.6#
182	0.0	1.6 2.4#

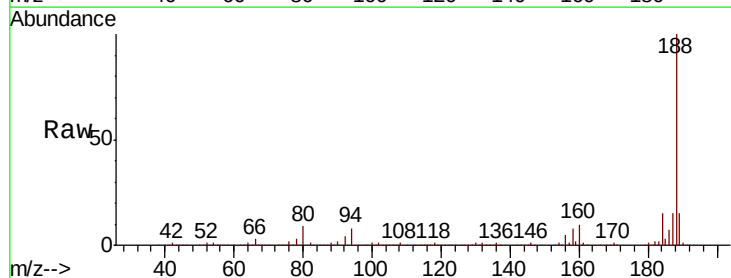


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

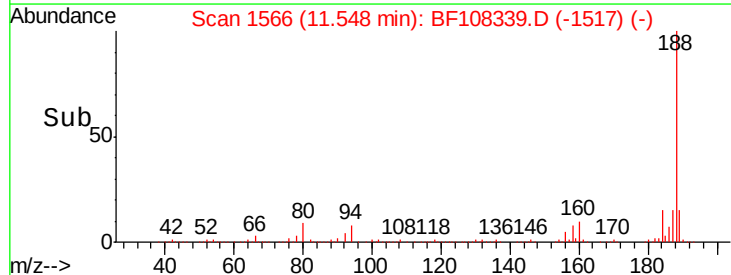
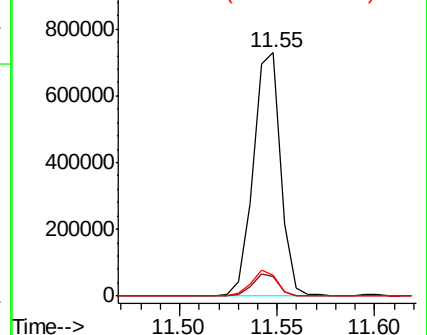


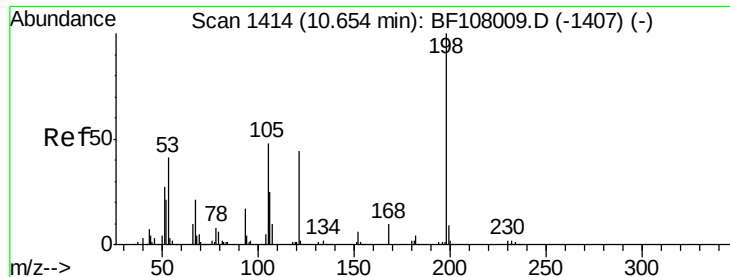
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF108339.D
 Acq: 21 Aug 2018 15:17

Tgt Ion:188	Resp:	707535
Ion Ratio	Lower	Upper
188	100	
94	8.0	8.5 12.7#
80	8.8	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

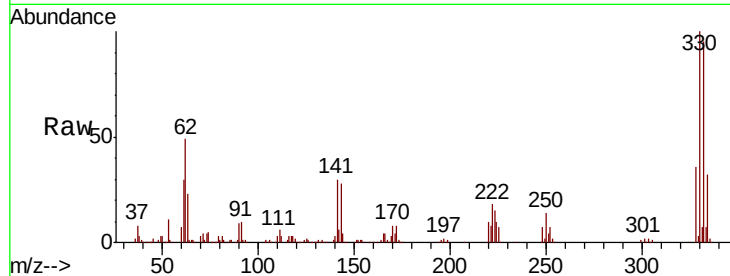




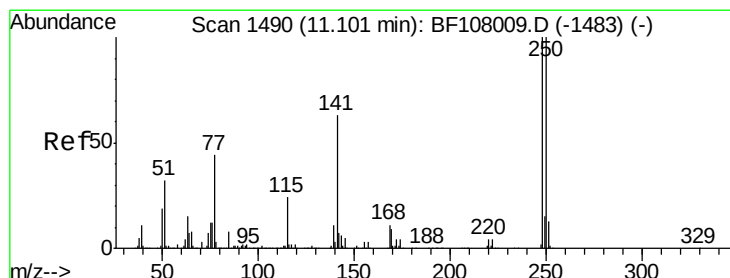
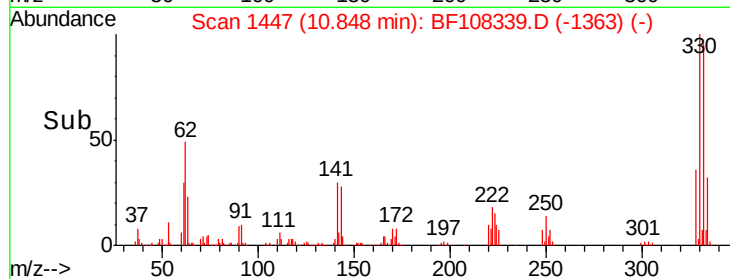
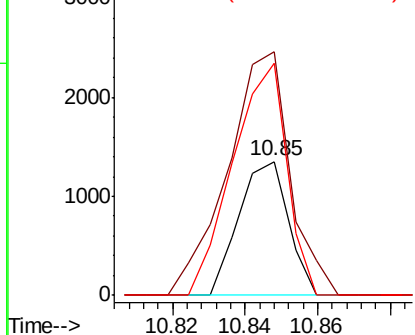
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.788 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. 0.19 min
 Lab File: BF108339.D
 Acq: 21 Aug 2018 15:17

Instrument :
 BNA_F
 ClientSampleId :
 72-11988

Tot Ion:198 Resp: 1283
 Ion Ratio Lower Upper
 198 100
 51 182.0 37.7 77.7#
 105 173.7 36.3 76.3#

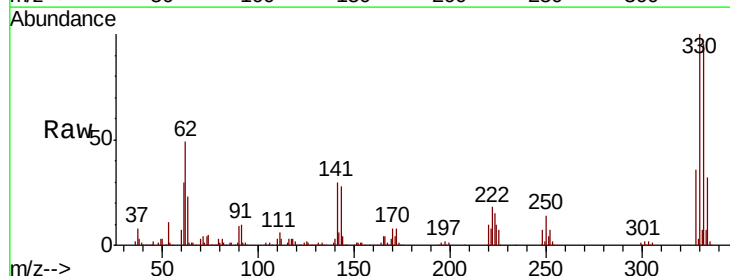


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

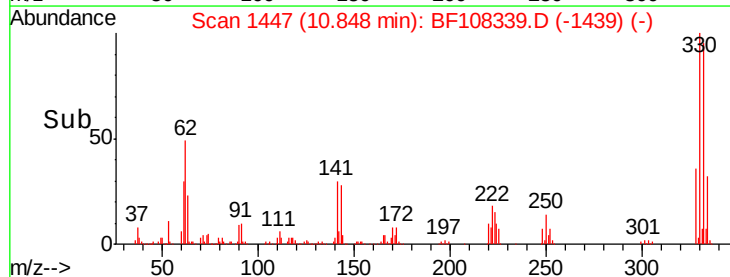
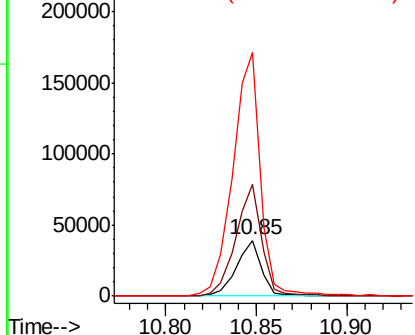


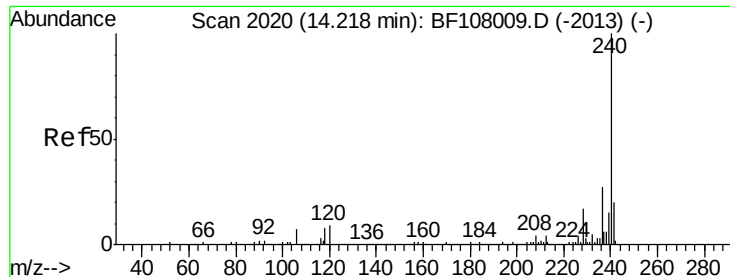
#66
 4-Bromophenyl-phenylether
 Concen: 4.900 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. -0.25 min
 Lab File: BF108339.D
 Acq: 21 Aug 2018 15:17

Tgt Ion:248 Resp: 37675
 Ion Ratio Lower Upper
 248 100
 250 200.3 76.9 115.3#
 141 435.9 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF108339.D

Acq: 21 Aug 2018 15:17

Instrument :

BNA_F

ClientSampleId :

72-11988

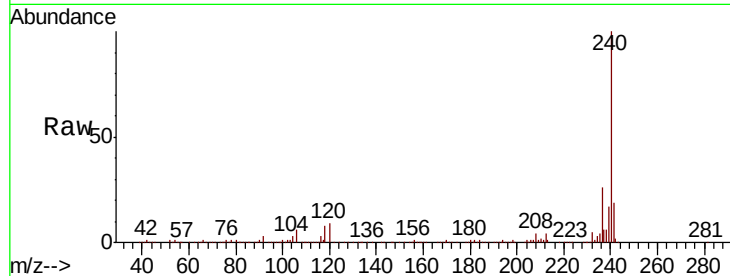
Tot Ion:240 Resp: 556793

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

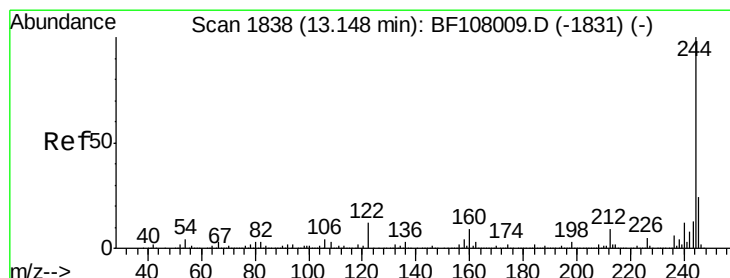
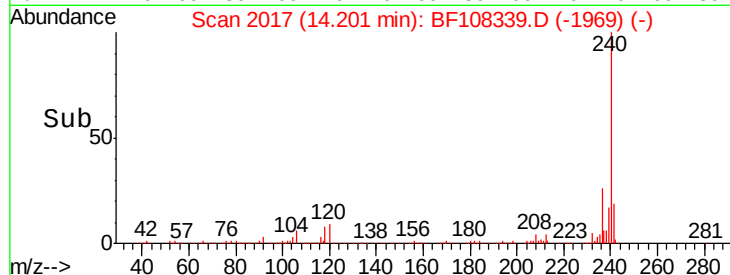
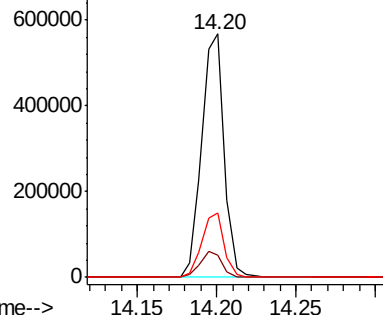
236 26.4 20.7 31.1



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: 120.769 ng

RT: 13.14 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF108339.D

Acq: 21 Aug 2018 15:17

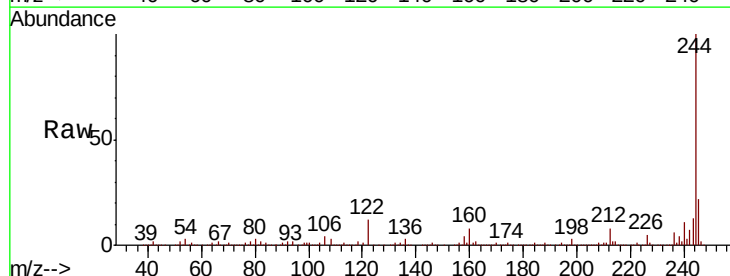
Tgt Ion:244 Resp: 2644692

Ion Ratio Lower Upper

244 100

212 8.3 5.4 8.0#

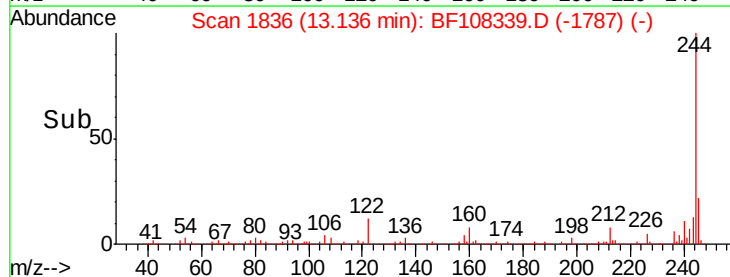
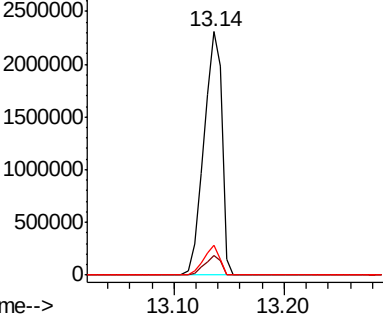
122 12.2 11.0 16.4

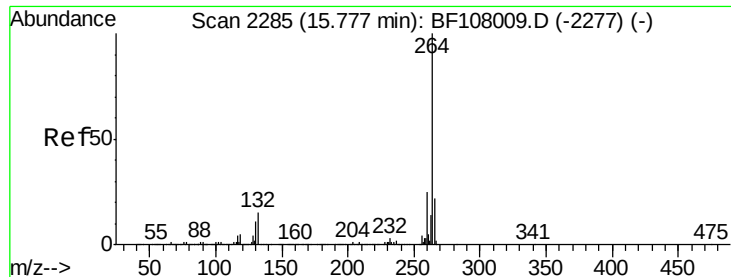


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF108339.D
Acq: 21 Aug 2018 15:17

Instrument :
BNA_F
ClientSampleId :
72-11988

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.5	17.5	26.3

