

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108287.D
 Acq On : 20 Aug 2018 13:59
 Operator : JU/SJ
 Sample : PB112189BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB112189BL

Quant Time: Aug 20 15:08:16 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

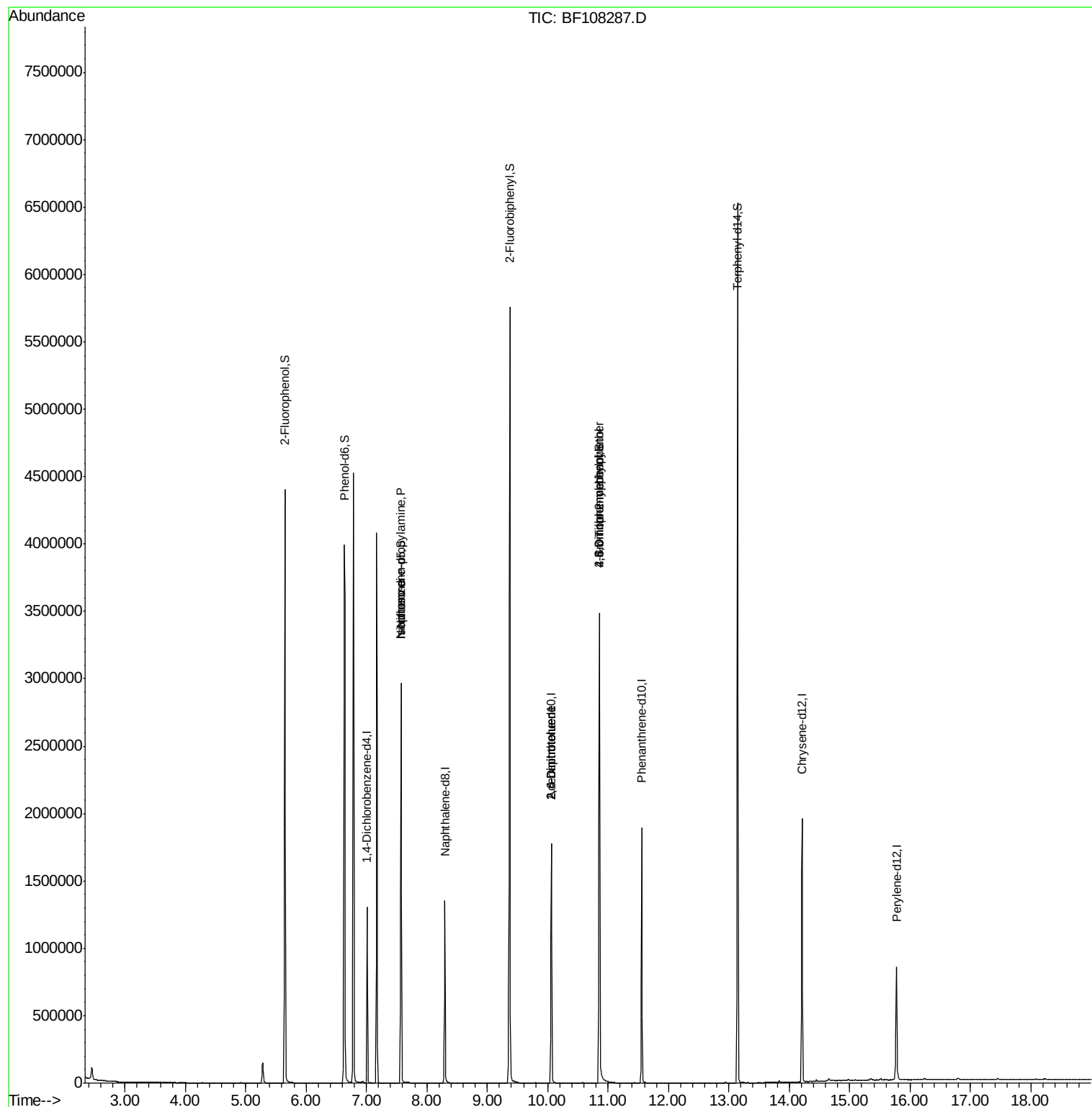
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	181549	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	694276	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	358535	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	749322	20.00	ng	0.00
75) Chrysene-d12	14.21	240	648580	20.00	ng	0.00
86) Perylene-d12	15.78	264	484469	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1172699	116.94	ng	0.02
7) Phenol-d6	6.64	99	1558128	116.93	ng	0.00
23) Nitrobenzene-d5	7.58	82	1037897	83.42	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	473157	132.30	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1980175	88.67	ng	0.00
78) Terphenyl-d14	13.15	244	2298676	90.11	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	140731	15.617	ng	# 81
25) Isophorone	7.58	82	1037884	43.765	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	44813	8.576	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	44813	6.663	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.85	198	988	5.671	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	31129	3.823	ng	# 1

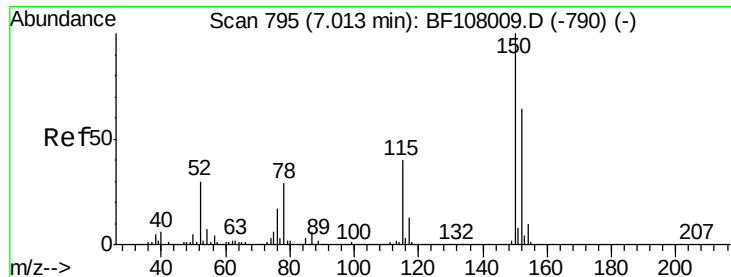
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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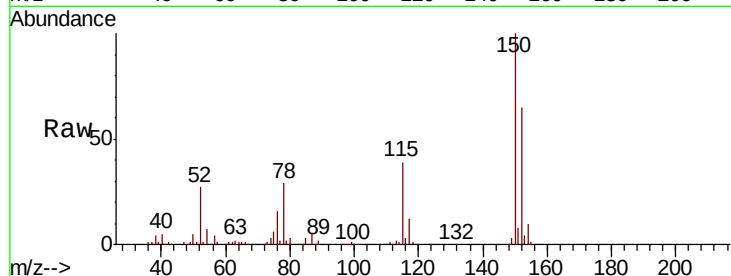


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108287.D
Acq: 20 Aug 2018 13:59

Instrument :
BNA_F
ClientSampleId :
PB112189BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.6	186.8
115	59.6	50.1	75.1

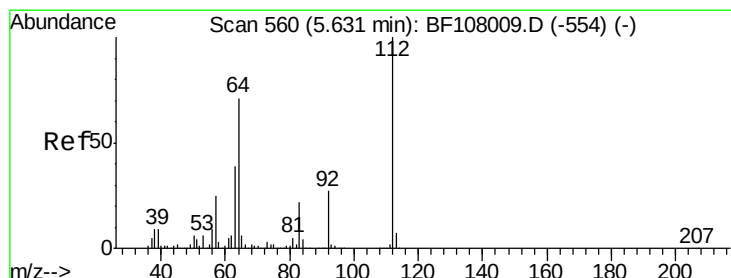
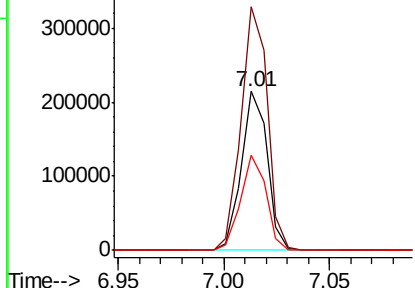
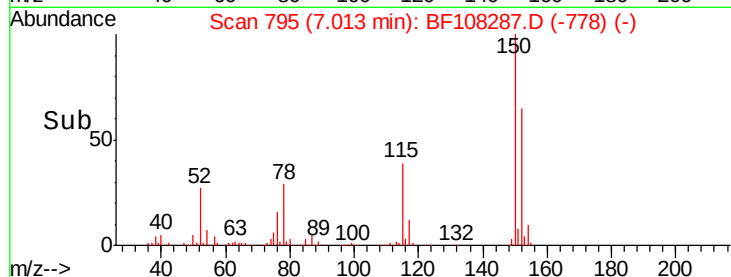


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

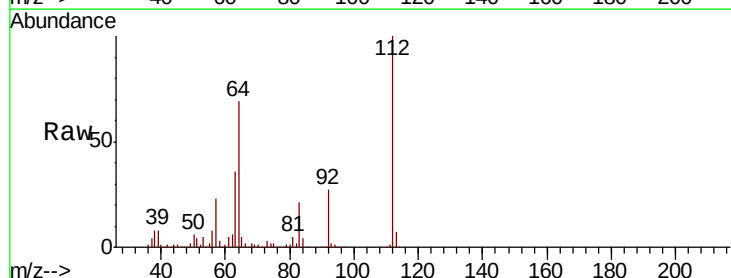
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 116.945 ng
RT: 5.65 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF108287.D
Acq: 20 Aug 2018 13:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	47.9	71.9
63	36.1	23.7	35.5

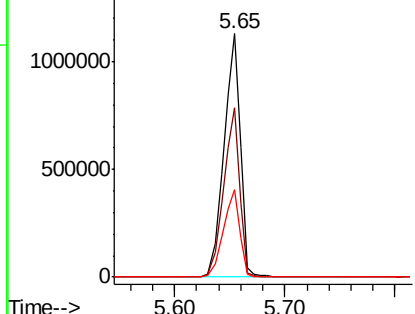
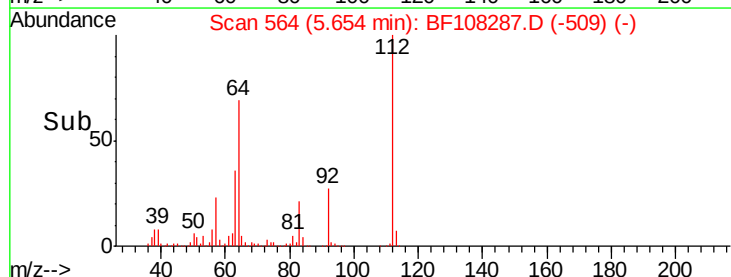


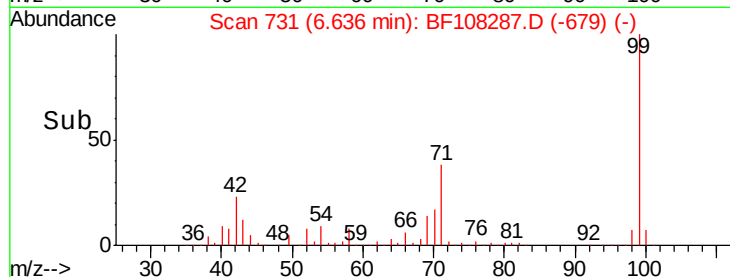
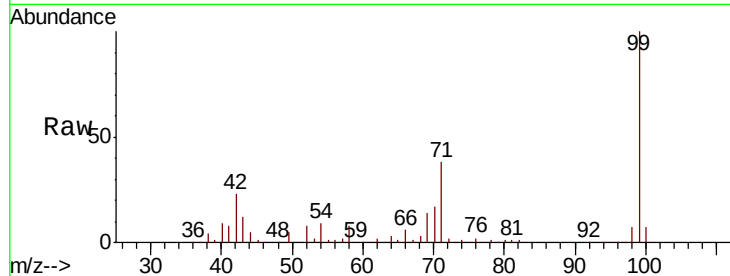
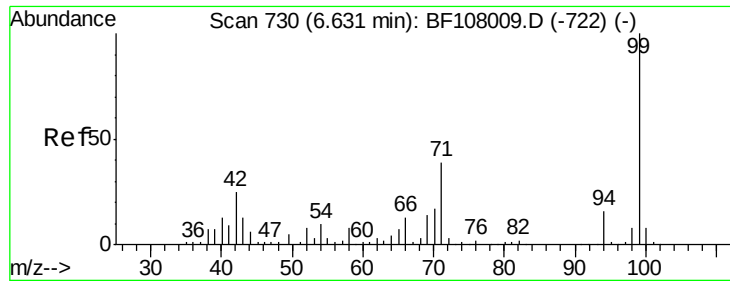
Abundance

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: 116.927 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108287.D

Acq: 20 Aug 2018 13:59

Instrument :

BNA_F

ClientSampleId :

PB112189BL

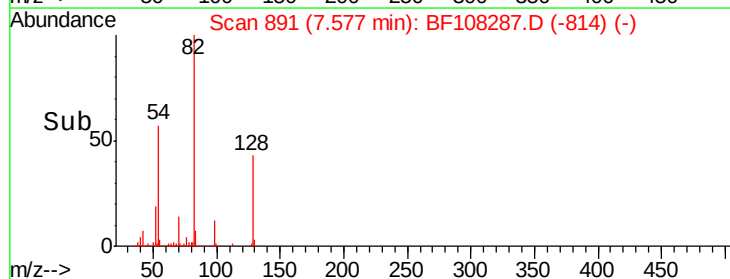
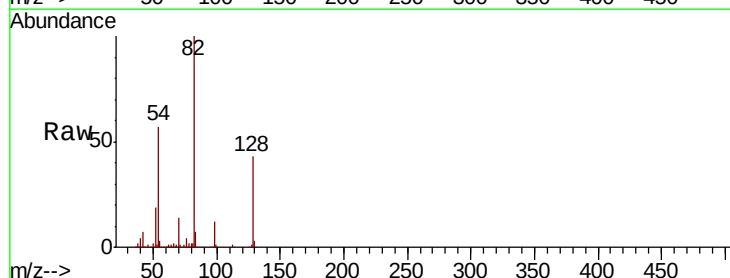
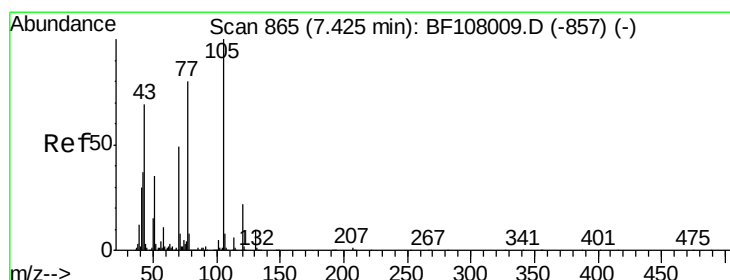
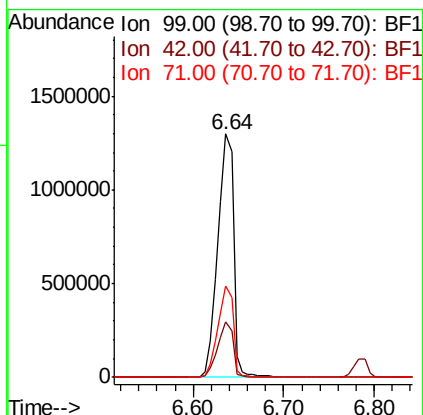
Tot Ion: 99 Resp: 1558128

Ion Ratio Lower Upper

99 100

42 23.0 14.5 21.7#

71 37.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.617 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108287.D

Acq: 20 Aug 2018 13:59

Tgt Ion: 70 Resp: 140731

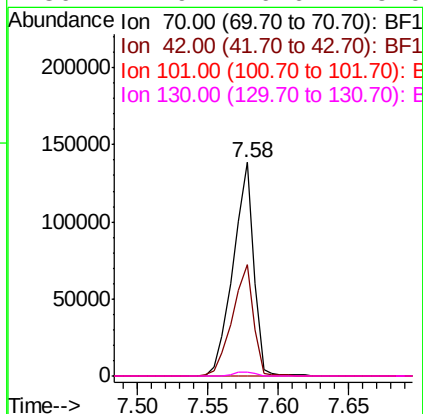
Ion Ratio Lower Upper

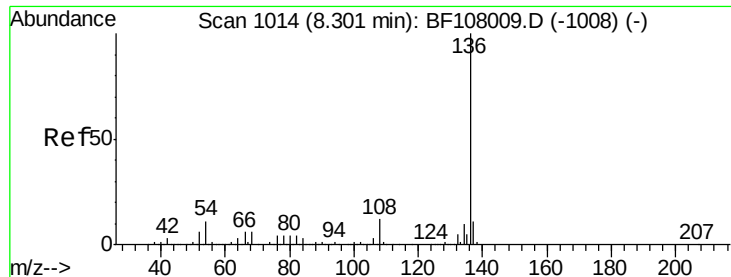
70 100

42 51.9 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF108287.D

Acq: 20 Aug 2018 13:59

Instrument :

BNA_F

ClientSampleId :

PB112189BL

Tot Ion:136 Resp: 694276

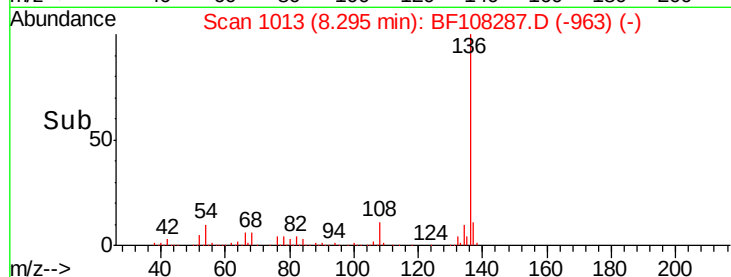
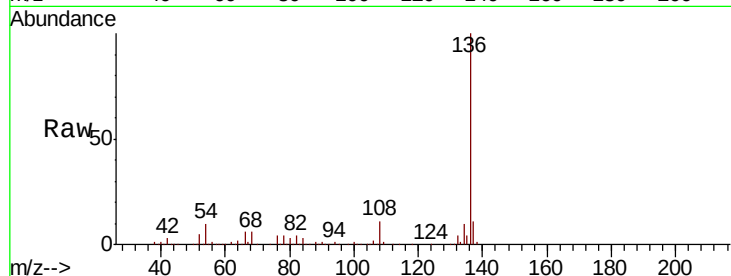
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 10.0 6.6 9.8#

68 6.1 5.0 7.4

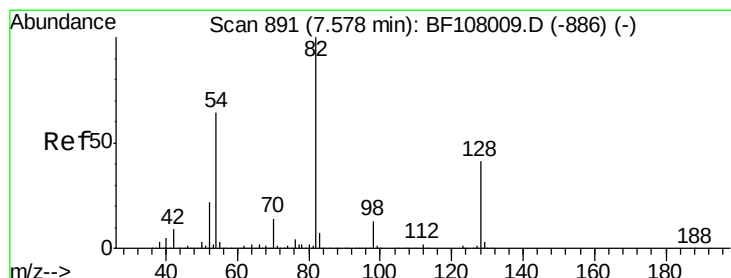
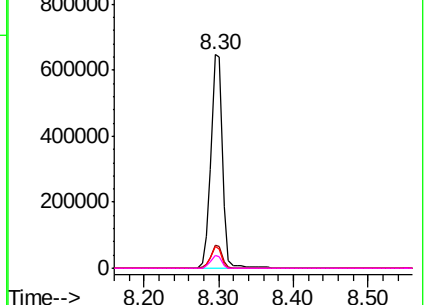


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.419 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.00 min

Lab File: BF108287.D

Acq: 20 Aug 2018 13:59

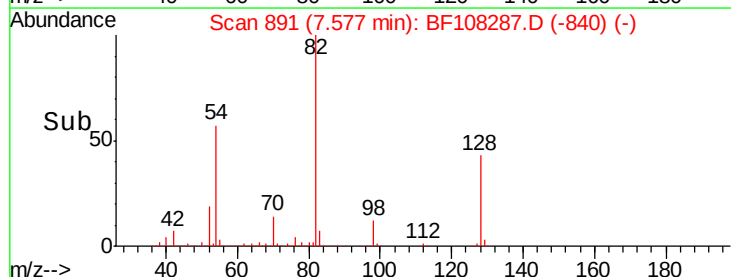
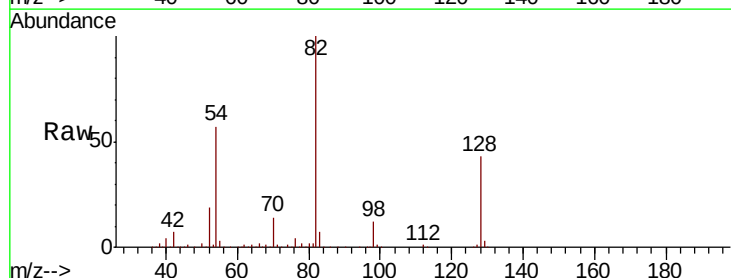
Tgt Ion: 82 Resp: 1037897

Ion Ratio Lower Upper

82 100

128 43.0 36.1 54.1

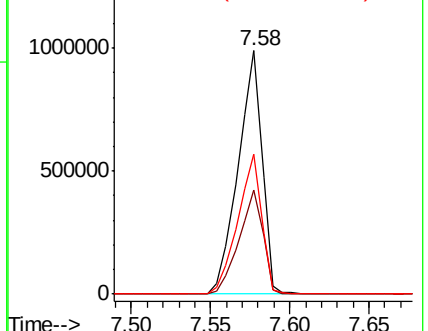
54 57.5 41.4 62.2

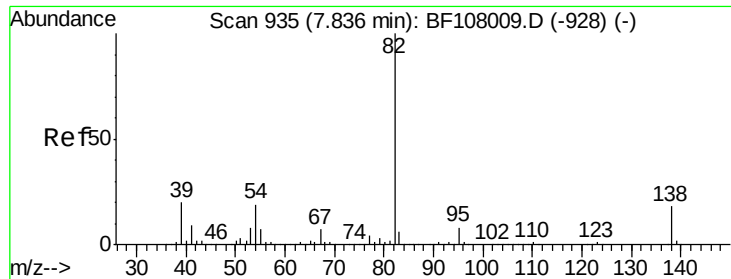


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.765 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108287.D

Acq: 20 Aug 2018 13:59

Instrument :

BNA_F

ClientSampleId :

PB112189BL

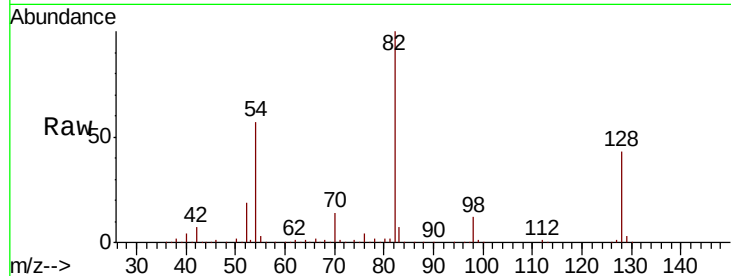
Tot Ion: 82 Resp: 1037884

Ion Ratio Lower Upper

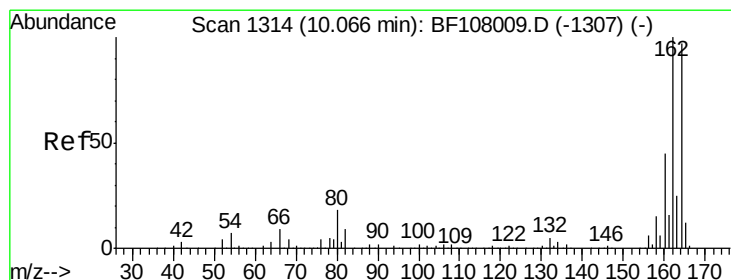
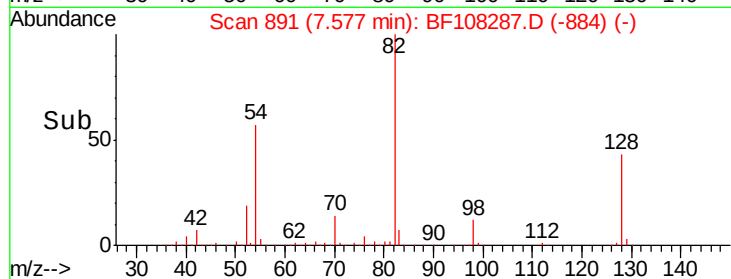
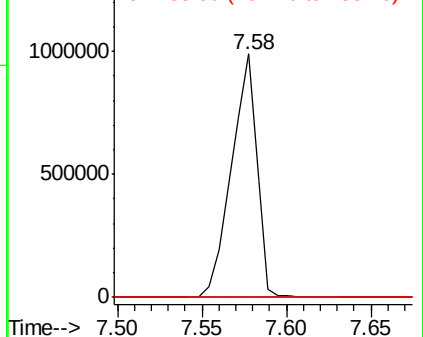
82 100

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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108287.D

Acq: 20 Aug 2018 13:59

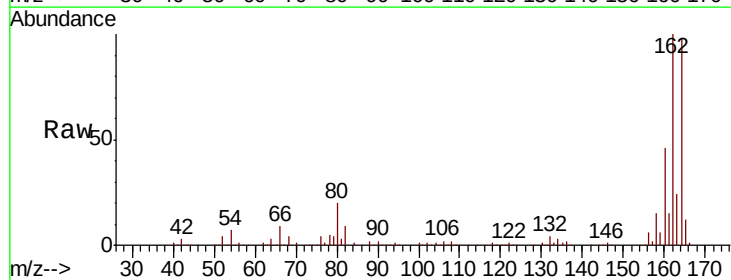
Tgt Ion:164 Resp: 358535

Ion Ratio Lower Upper

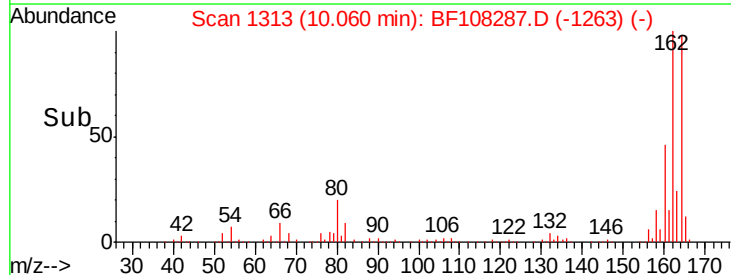
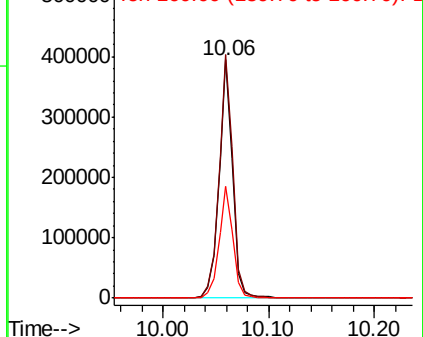
164 100

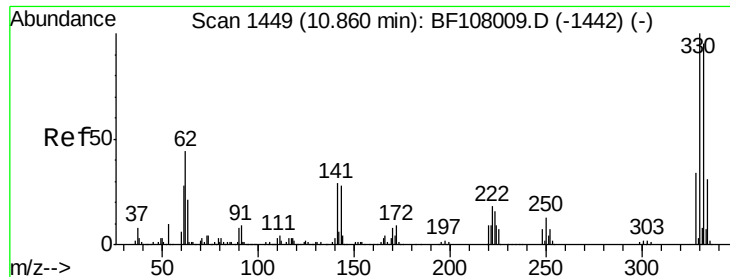
162 102.2 86.1 129.1

160 46.7 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

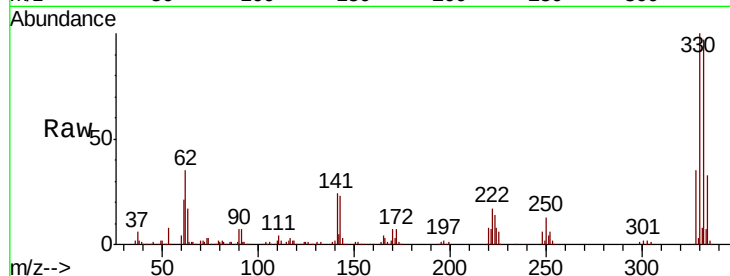




#41
 2,4,6-Tribromophenol
 Concen: 132.304 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. -0.00 min
 Lab File: BF108287.D
 Acq: 20 Aug 2018 13:59

Instrument :
 BNA_F
 ClientSampleId :
 PB112189BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	32.7	29.9	44.9

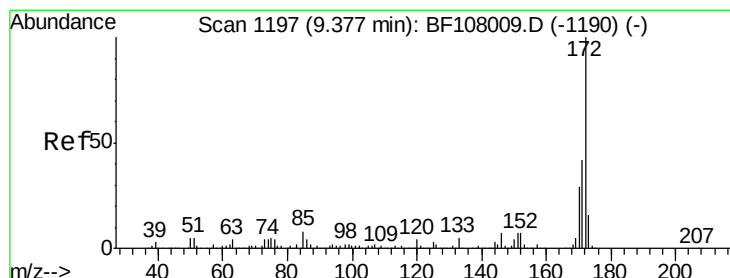
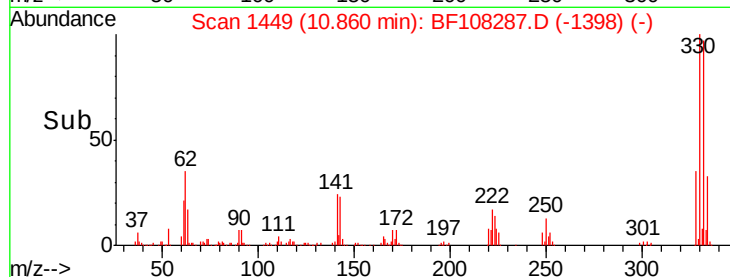
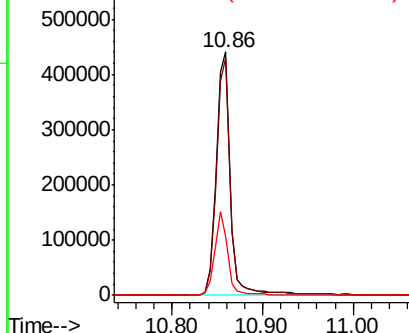


Abundance

Ion 329.80 (329.50 to 330.50): E

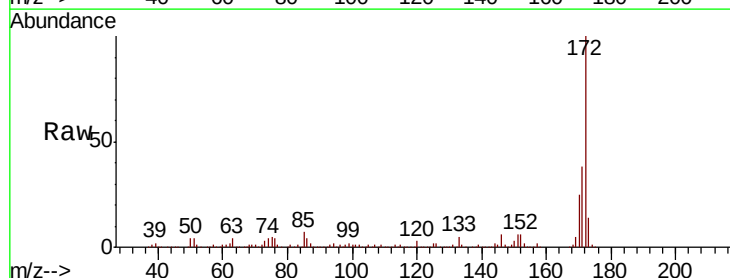
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 88.669 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108287.D
 Acq: 20 Aug 2018 13:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.7	44.5
170	25.2	19.6	29.4

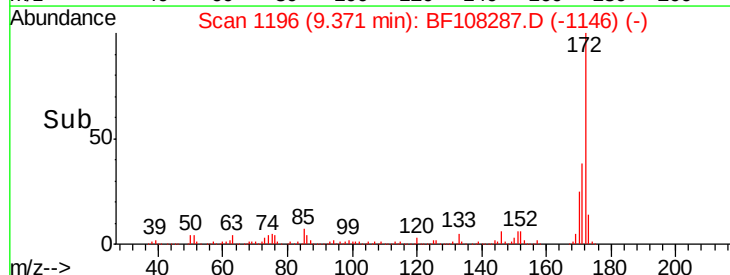
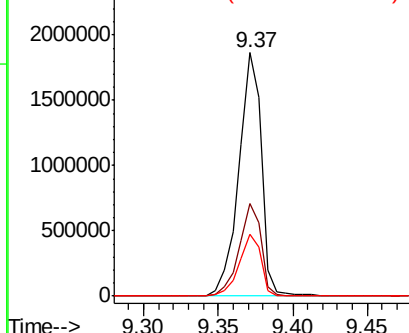


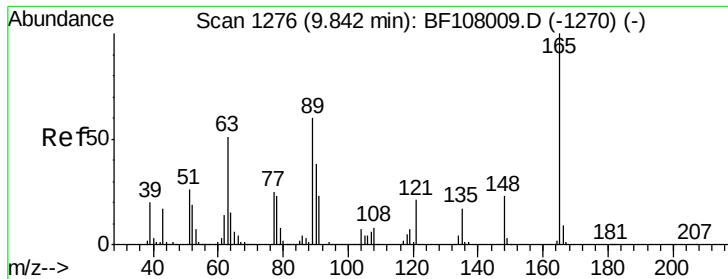
Abundance

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

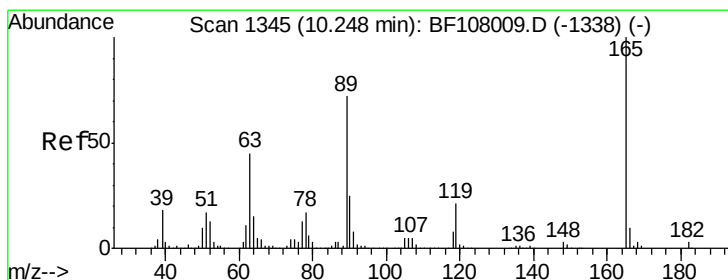
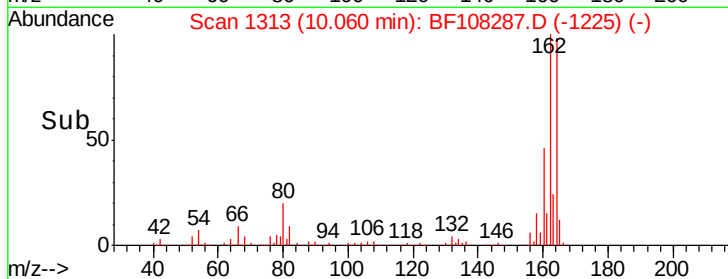
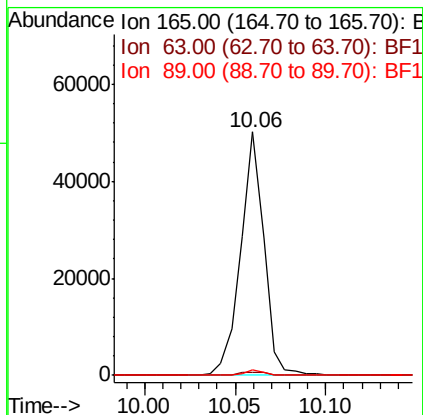
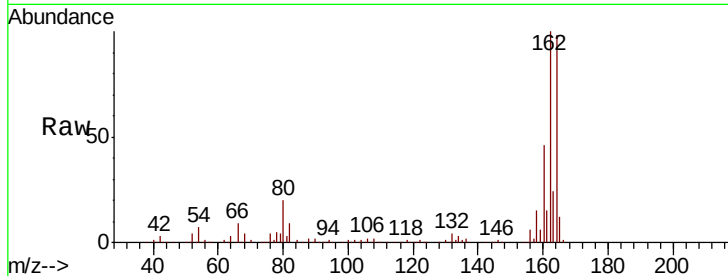




#50
 2,6-Dinitrotoluene
 Concen: 8.576 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108287.D
 Acq: 20 Aug 2018 13:59

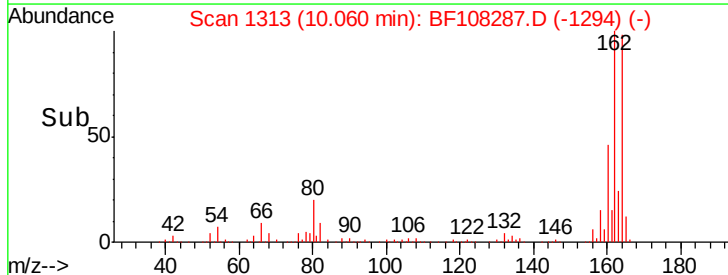
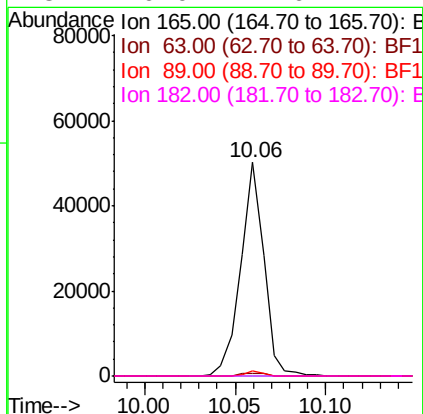
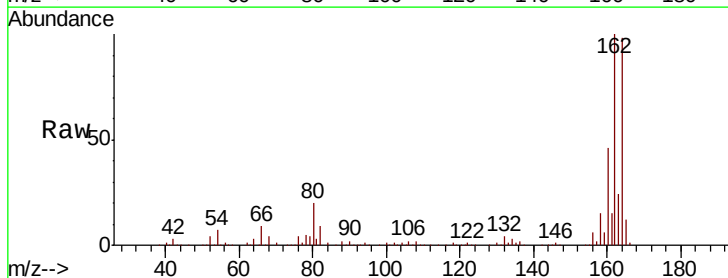
Instrument :
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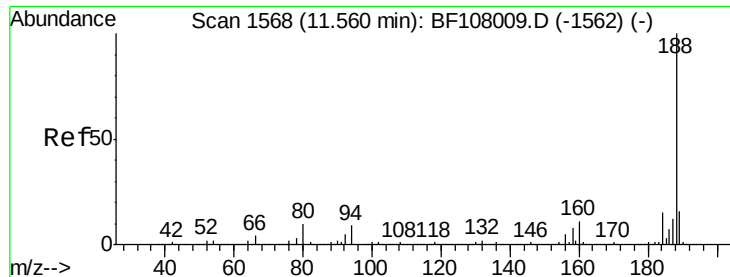
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	2.2	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.663 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108287.D
 Acq: 20 Aug 2018 13:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	2.2	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.55 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF108287.D

Acq: 20 Aug 2018 13:59

Instrument :

BNA_F

ClientSampled :

PB112189BL

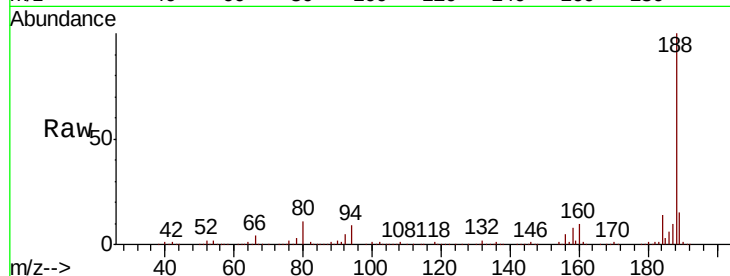
Tot Ion:188 Resp: 749322

Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

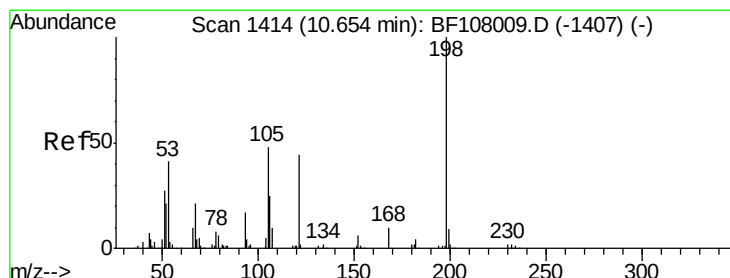
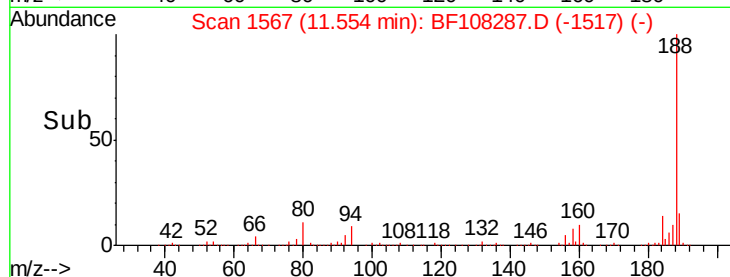
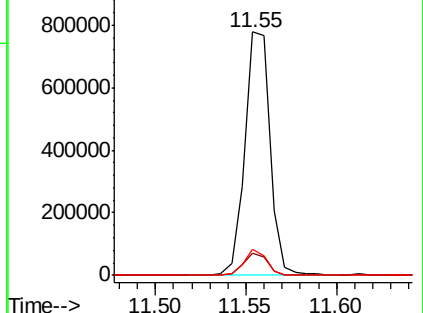
80 10.6 9.2 13.8



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: 5.671 ng

RT: 10.85 min Scan# 1448

Delta R.T. 0.20 min

Lab File: BF108287.D

Acq: 20 Aug 2018 13:59

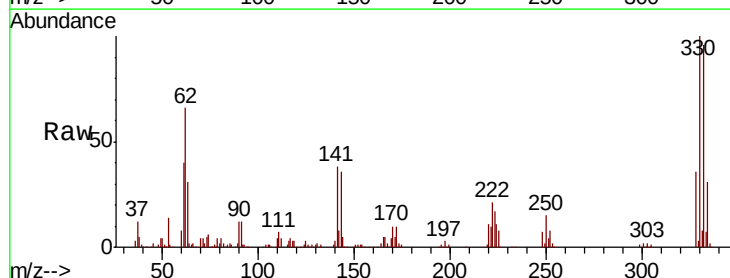
Tgt Ion:198 Resp: 988

Ion Ratio Lower Upper

198 100

51 198.8 37.7 77.7#

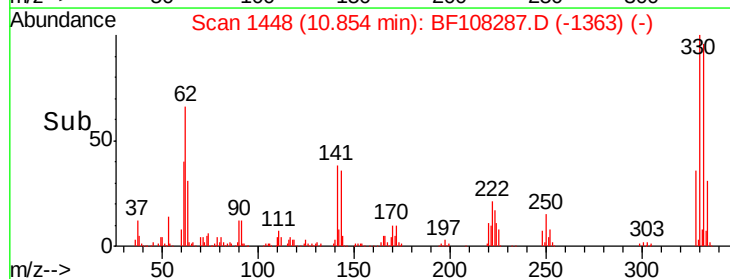
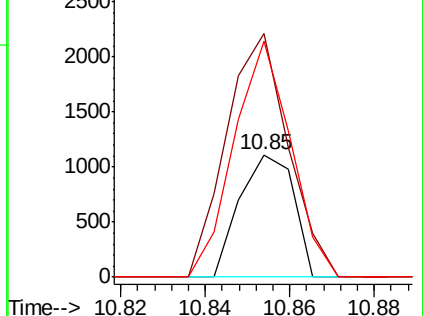
105 193.1 36.3 76.3#

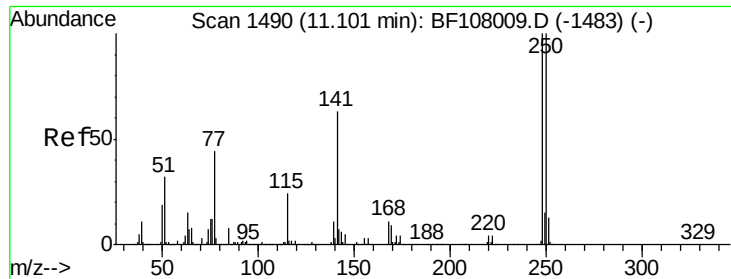


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

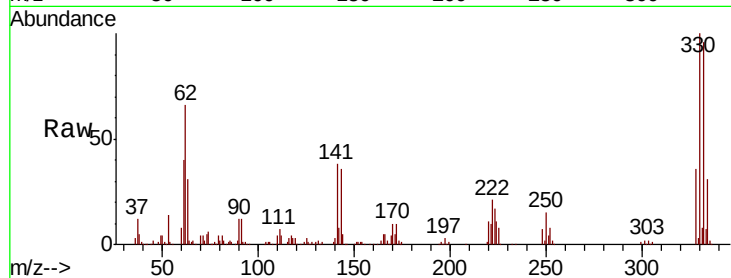




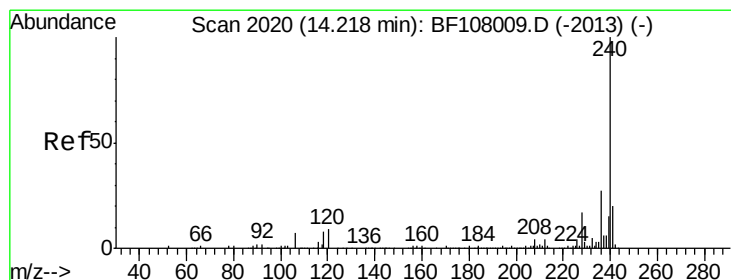
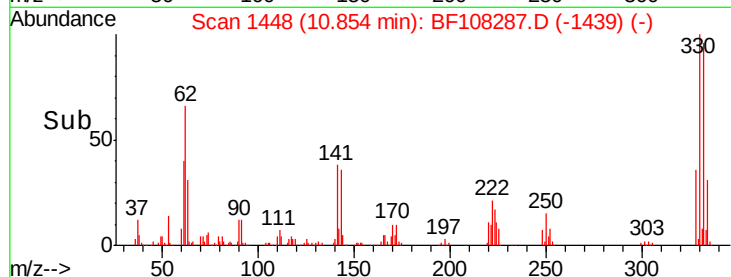
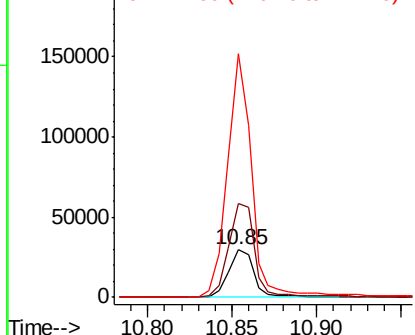
#66
 4-Bromophenyl-phenylether
 Concen: 3.823 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108287.D
 Acq: 20 Aug 2018 13:59

Instrument :
 BNA_F
 ClientSampleId :
 PB112189BL

Tot Ion:248 Resp: 31129
 Ion Ratio Lower Upper
 248 100
 250 199.1 76.9 115.3#
 141 515.0 74.4 111.6#

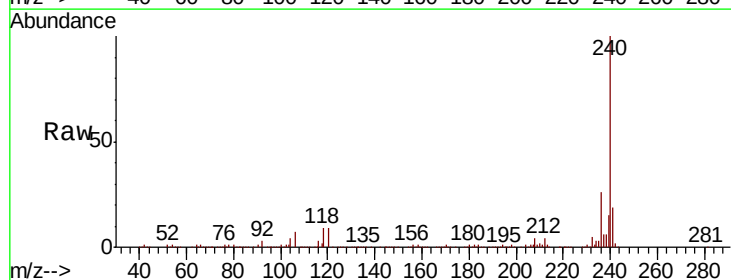


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

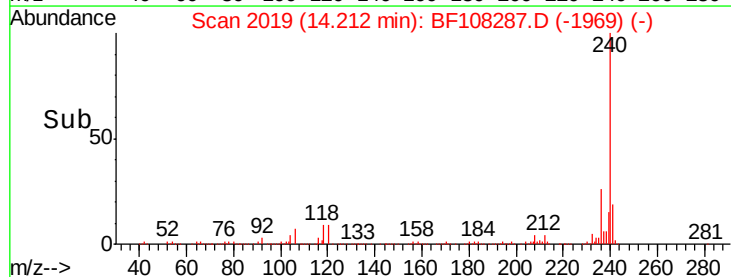
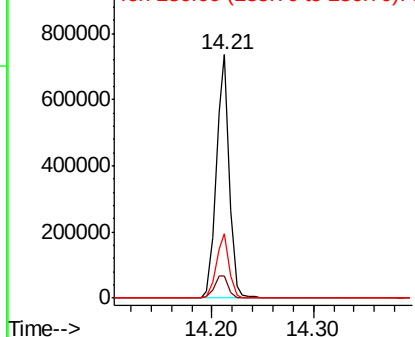


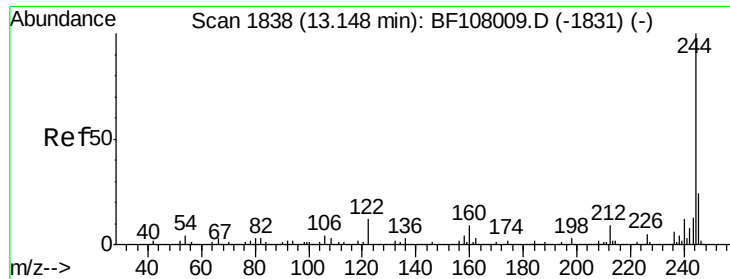
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.21 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF108287.D
 Acq: 20 Aug 2018 13:59

Tgt Ion:240 Resp: 648580
 Ion Ratio Lower Upper
 240 100
 120 9.2 9.5 14.3#
 236 26.2 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: 90.113 ng

RT: 13.15 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF108287.D

Acq: 20 Aug 2018 13:59

Instrument :

BNA_F

ClientSampleId :

PB112189BL

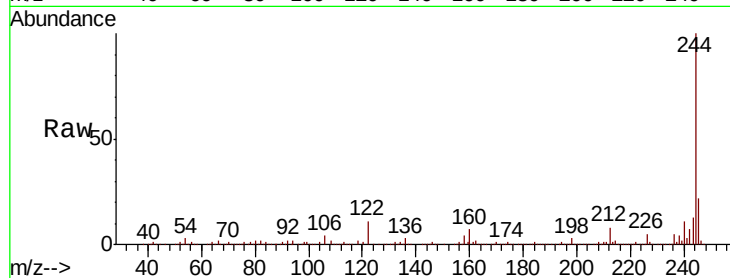
Tot Ion:244 Resp: 2298676

Ion Ratio Lower Upper

244 100

212 7.8 5.4 8.0

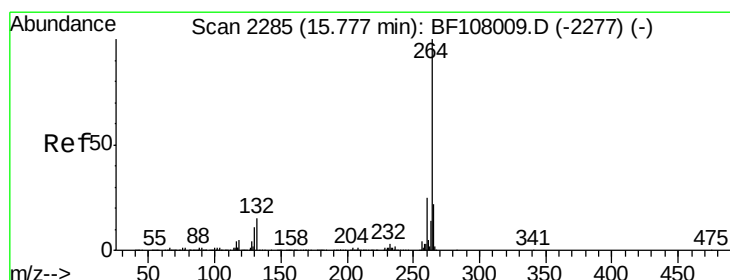
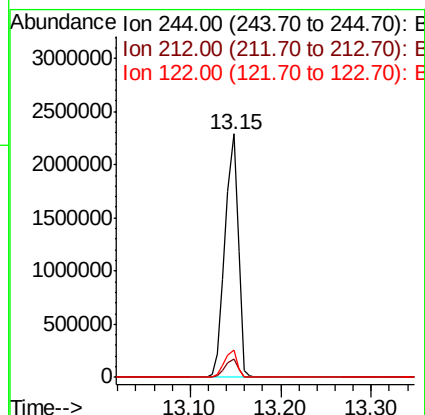
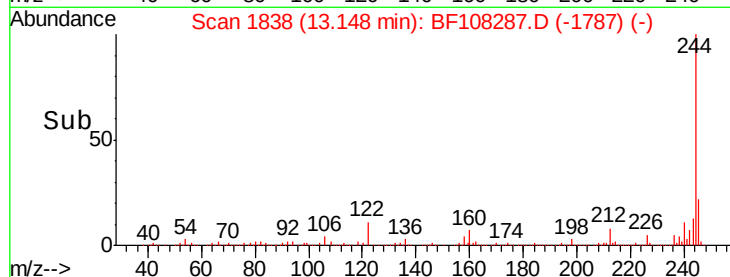
122 11.3 11.0 16.4



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: 15.78 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BF108287.D

Acq: 20 Aug 2018 13:59

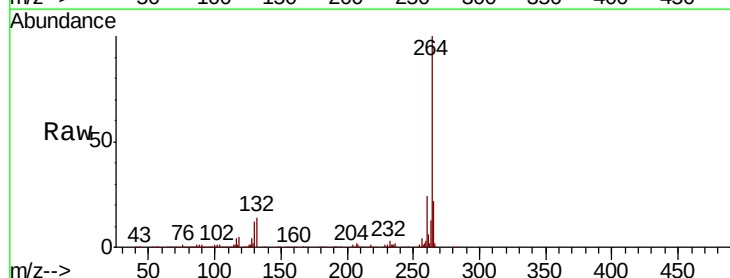
Tgt Ion:264 Resp: 484469

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.9 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

