

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082818\
 Data File : BF108584.D
 Acq On : 29 Aug 2018 4:43
 Operator : JU/SJ
 Sample : J4656-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 082418-DBRI-F-D-B

Quant Time: Aug 29 05:38:52 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	104097	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	385123	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	174209	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	290551	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	280070	20.00	ng	-0.01
86) Perylene-d12	15.75	264	221311	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	215420	37.47	ng	0.00
7) Phenol-d6	6.63	99	199882	26.16	ng	0.00
23) Nitrobenzene-d5	7.57	82	706902	102.42	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	160032	92.09	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1276837	117.67	ng	-0.01
78) Terphenyl-d14	13.12	244	998662	90.66	ng	0.00

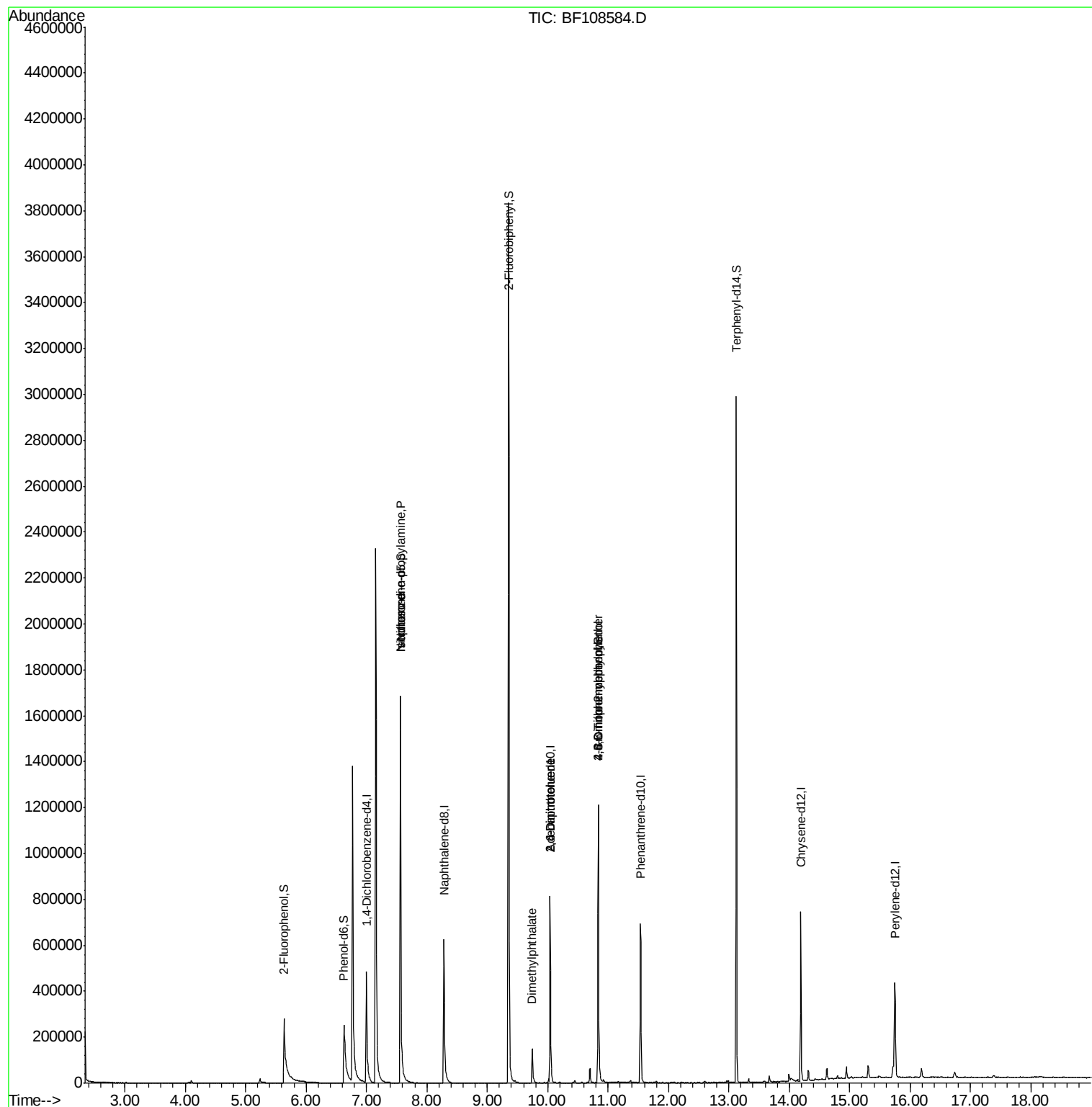
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.57	70	94371	18.265	ng	# 82
25) Isophorone	7.57	82	706899	53.737	ng	# 64
49) Dimethylphthalate	9.75	163	87232	7.188	ng	# 98
50) 2,6-Dinitrotoluene	10.04	165	21696	8.545	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	21696	6.639	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.84	198	108	5.447	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	10442	3.307	ng	# 1

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

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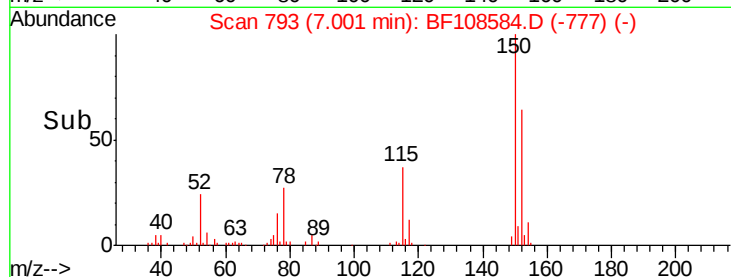
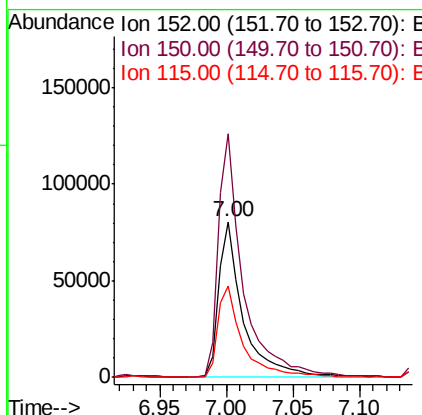
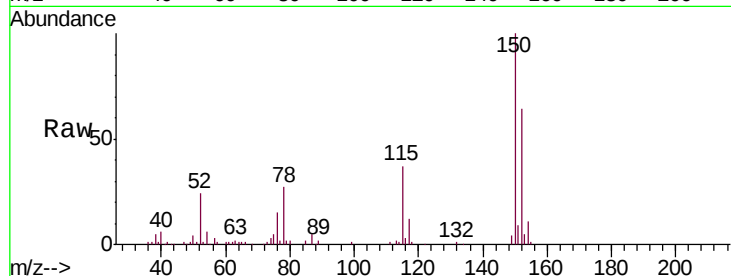


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108584.D
Acq: 29 Aug 2018 4:43

Instrument :
BNA_F
ClientSampleId :
082418-DBRI-F-D-B

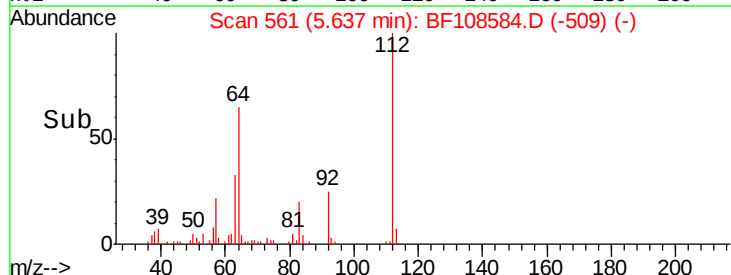
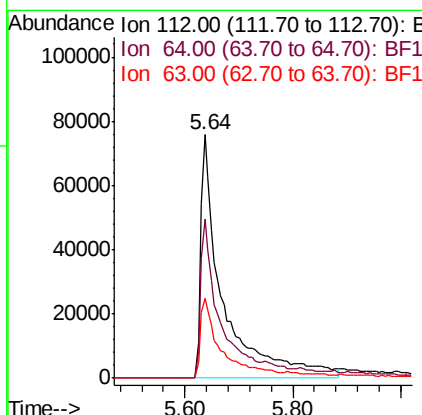
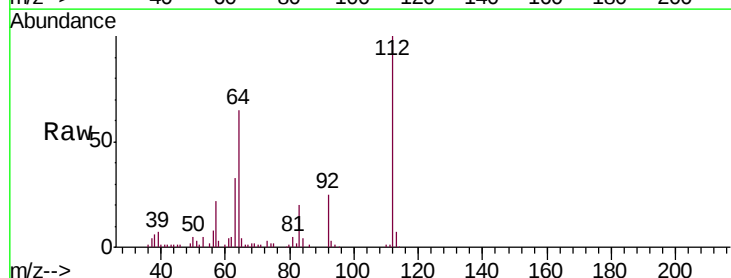
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	58.6	50.1	75.1



#5

2-Fluorophenol
Concen: 37.466 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108584.D
Acq: 29 Aug 2018 4:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	47.9	71.9
63	32.7	23.7	35.5





#7

Phenol-d6

Concen: 26.160 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108584.D

Acq: 29 Aug 2018 4:43

Instrument :

BNA_F

ClientSampleId :

082418-DBRI-F-D-B

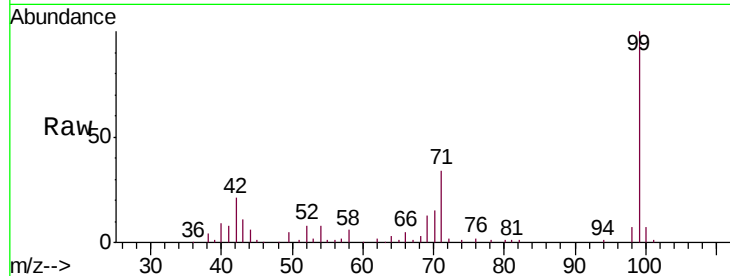
Tgt Ion: 99 Resp: 199882

Ion Ratio Lower Upper

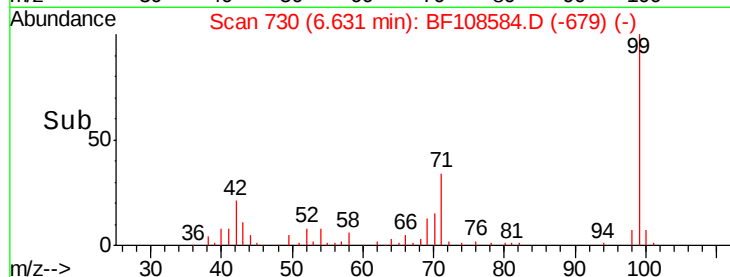
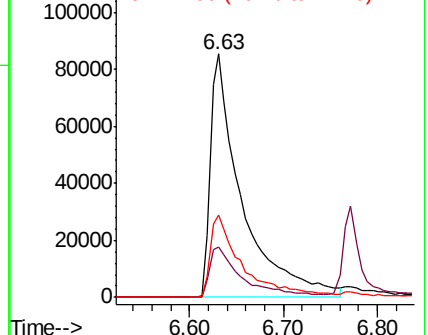
99 100

42 20.5 14.5 21.7

71 33.8 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: 18.265 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108584.D

Acq: 29 Aug 2018 4:43

Tgt Ion: 70 Resp: 94371

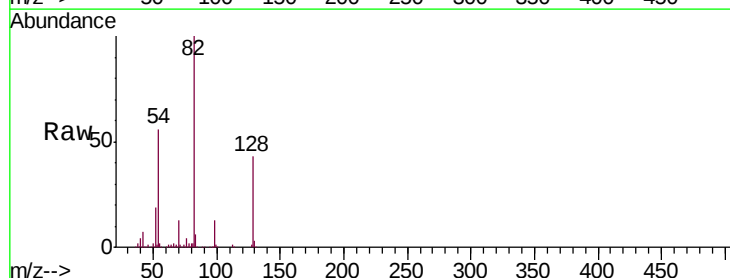
Ion Ratio Lower Upper

70 100

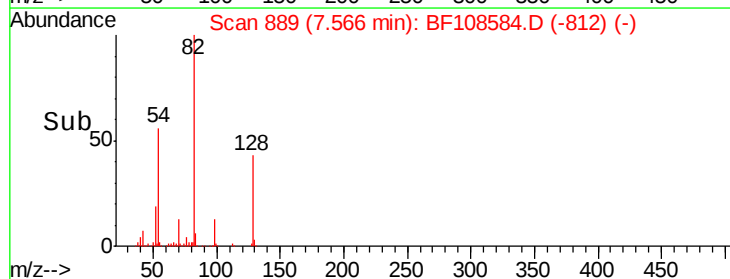
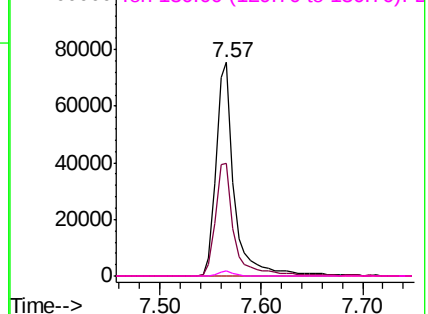
42 52.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 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: BF108584.D

Acq: 29 Aug 2018 4:43

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 136 Resp: 385123

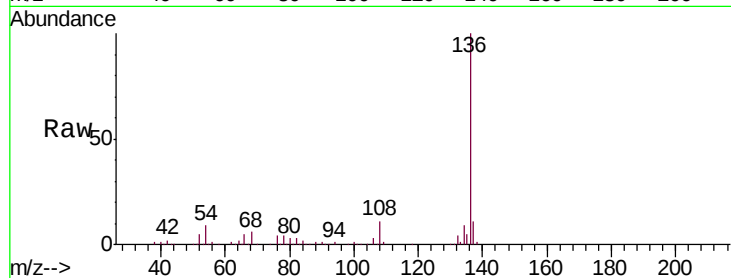
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.4 6.6 9.8

68 5.7 5.0 7.4

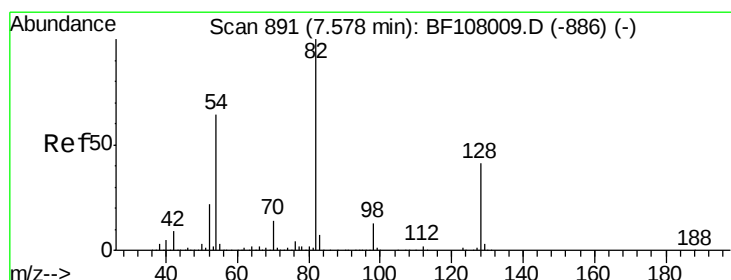
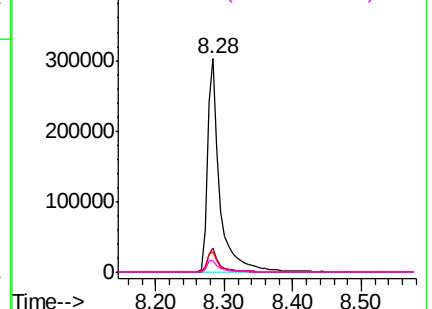
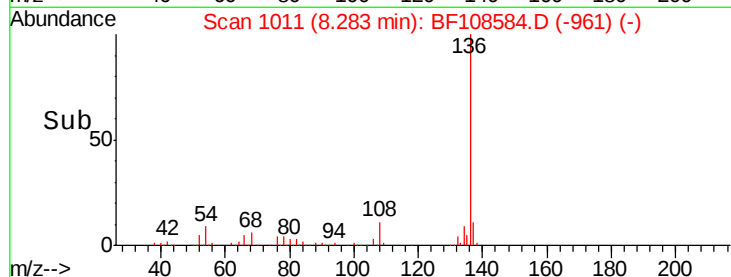


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.425 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF108584.D

Acq: 29 Aug 2018 4:43

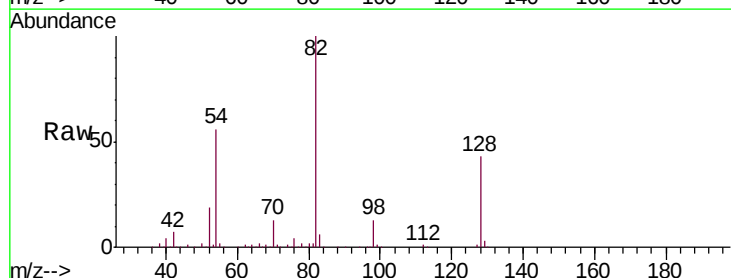
Tgt Ion: 82 Resp: 706902

Ion Ratio Lower Upper

82 100

128 43.1 36.1 54.1

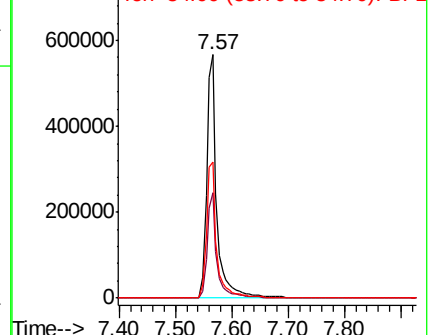
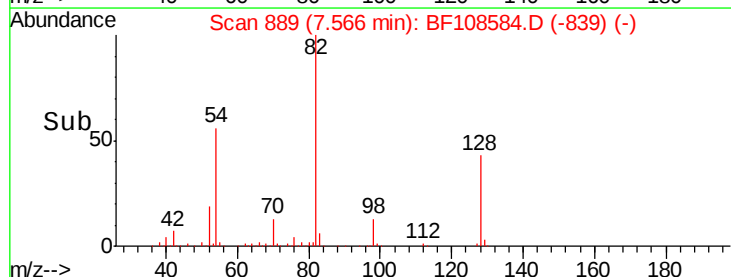
54 56.1 41.4 62.2



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: 53.737 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108584.D

Acq: 29 Aug 2018 4:43

Instrument :

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ClientSampleId :

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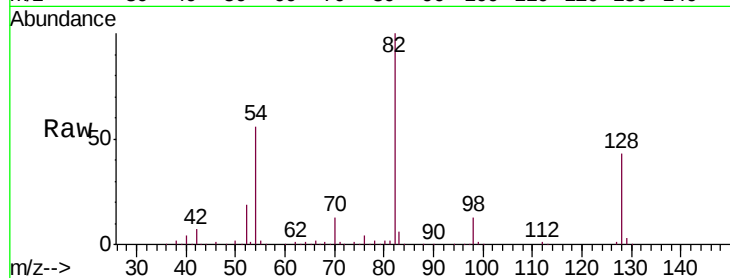
Tgt Ion: 82 Resp: 706899

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

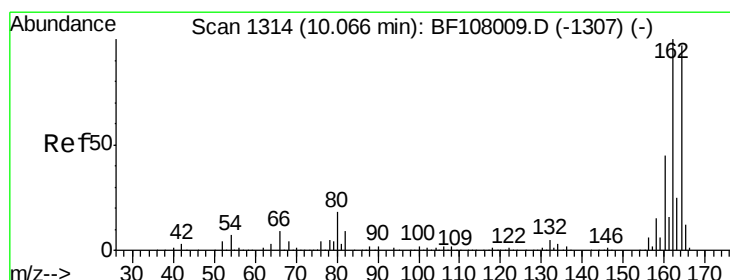
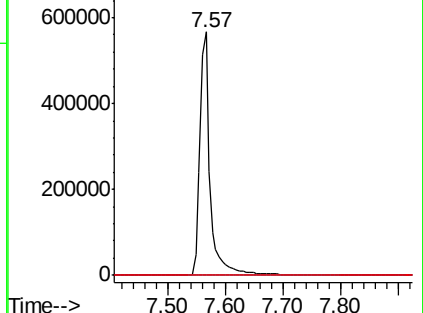
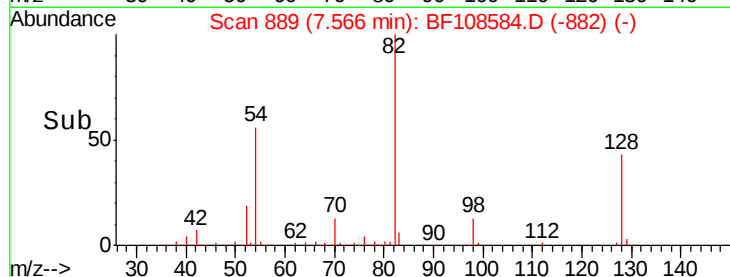
138 0.0 14.9 22.3#



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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108584.D

Acq: 29 Aug 2018 4:43

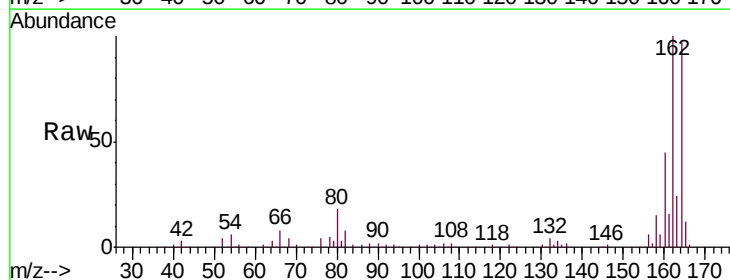
Tgt Ion: 164 Resp: 174209

Ion Ratio Lower Upper

164 100

162 103.2 86.1 129.1

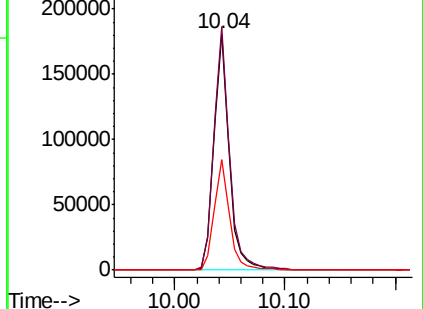
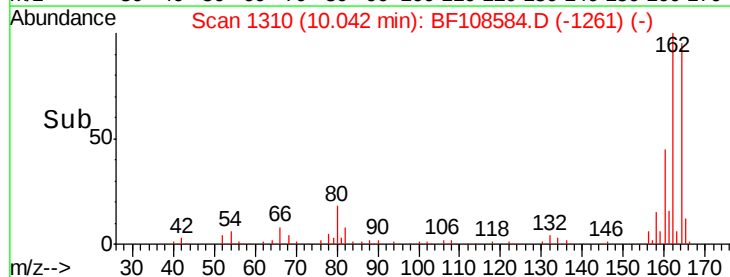
160 46.7 38.3 57.5



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

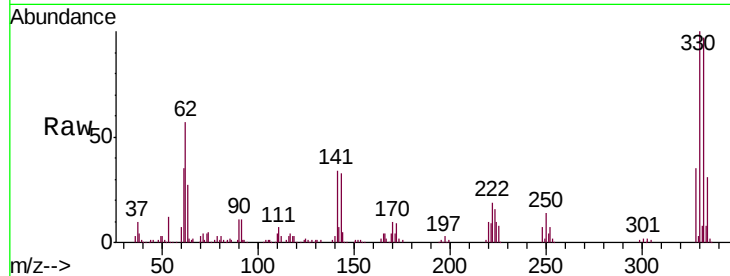




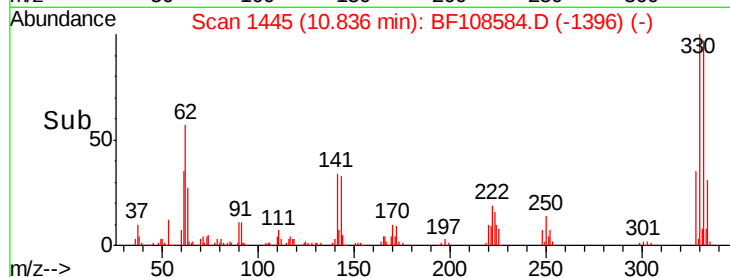
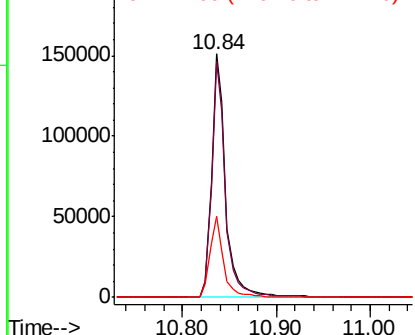
#41
 2,4,6-Tribromophenol
 Concen: 92.095 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108584.D
 Acq: 29 Aug 2018 4:43

Instrument :
 BNA_F
 ClientSampleId :
 082418-DBRI-F-D-B

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	32.3	29.9	44.9

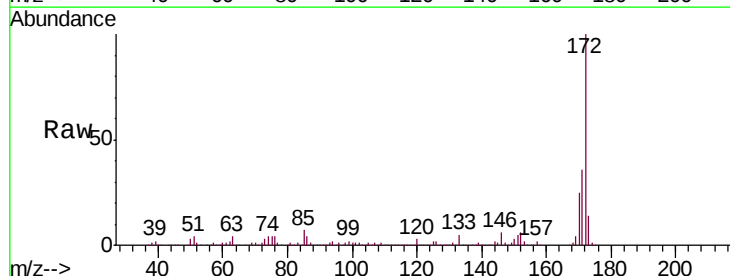


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

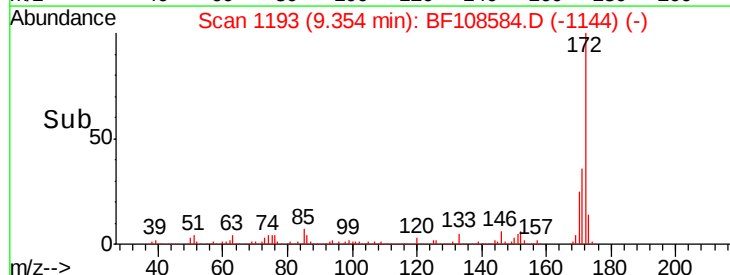
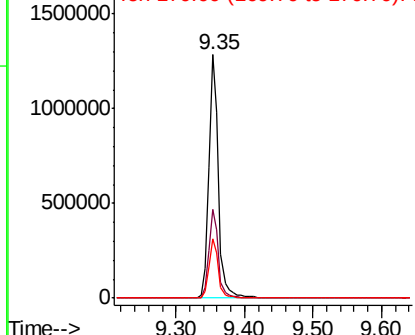


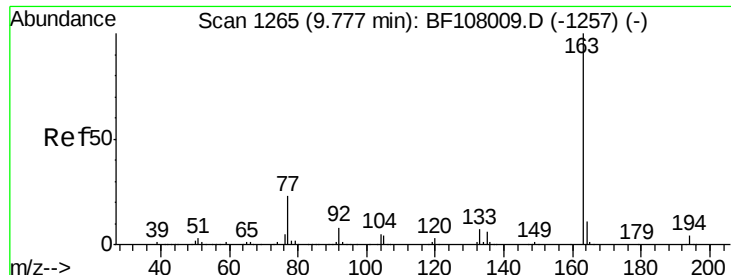
#44
 2-Fluorobiphenyl
 Concen: 117.670 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108584.D
 Acq: 29 Aug 2018 4:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.6	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

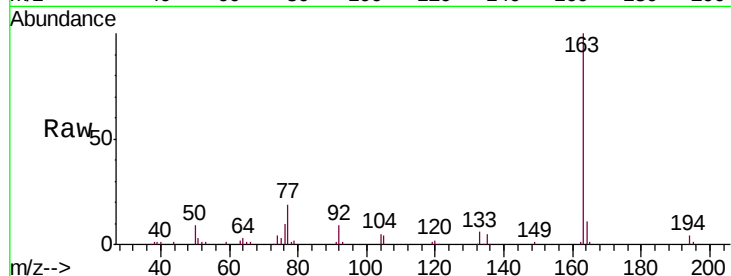




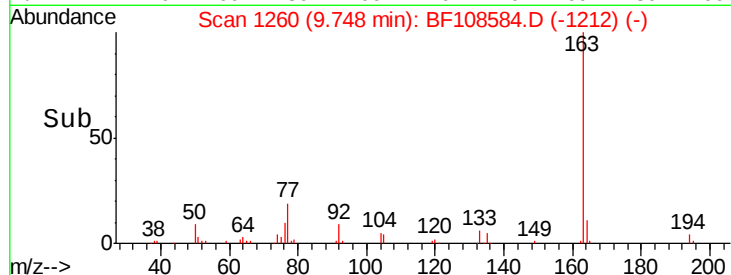
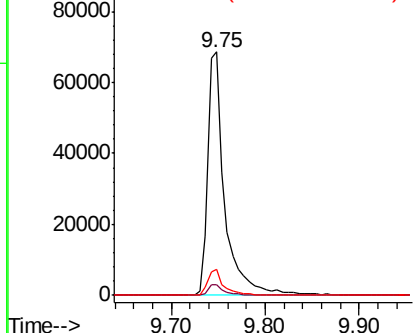
#49
Dimethylphthalate
Concen: 7.188 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108584.D
Acq: 29 Aug 2018 4:43

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Tgt Ion:163 Resp: 87232
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 10.7 8.2 12.2

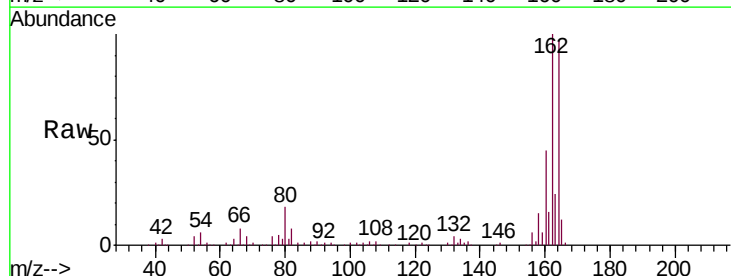


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

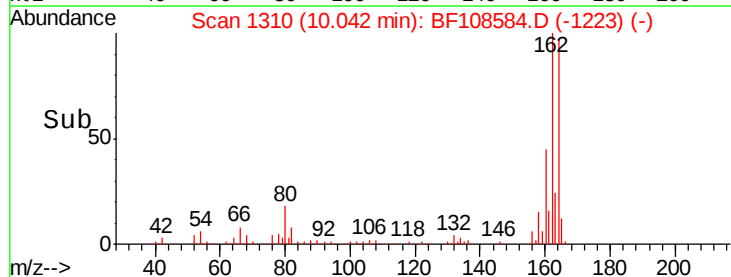
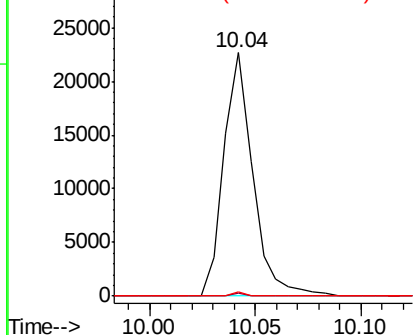


#50
2,6-Dinitrotoluene
Concen: 8.545 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108584.D
Acq: 29 Aug 2018 4:43

Tgt Ion:165 Resp: 21696
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.8 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

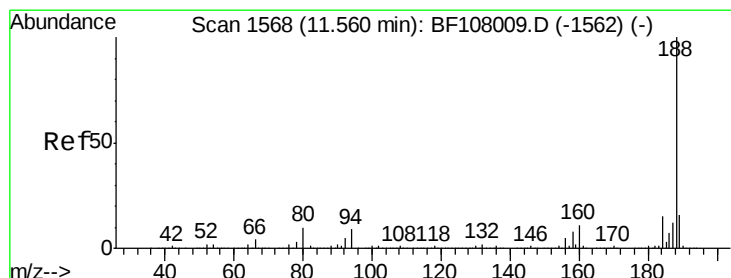
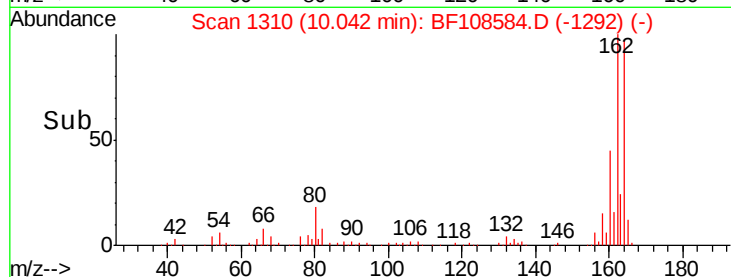
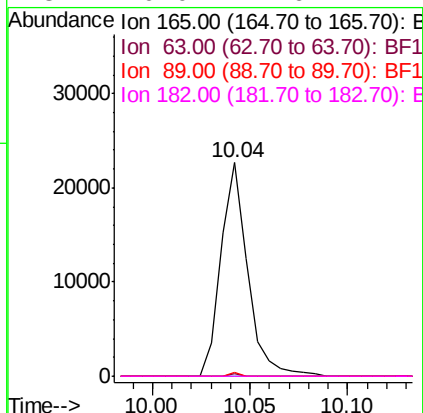
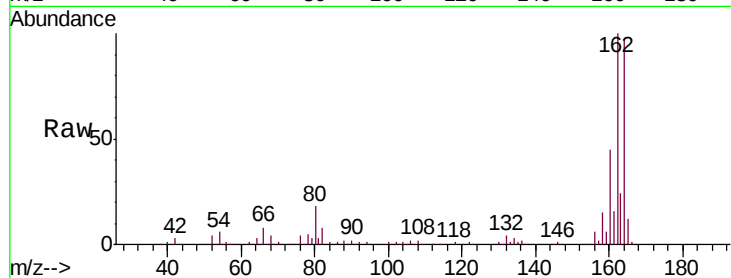




#56
 2,4-Dinitrotoluene
 Concen: 6.639 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108584.D
 Acq: 29 Aug 2018 4:43

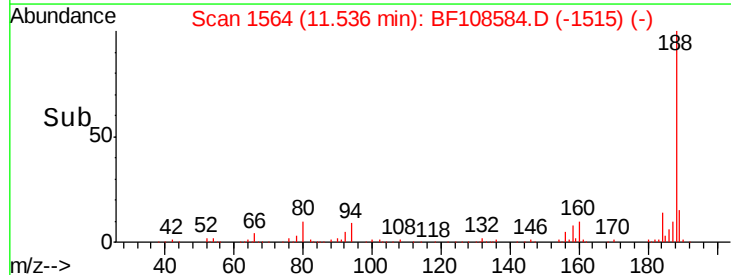
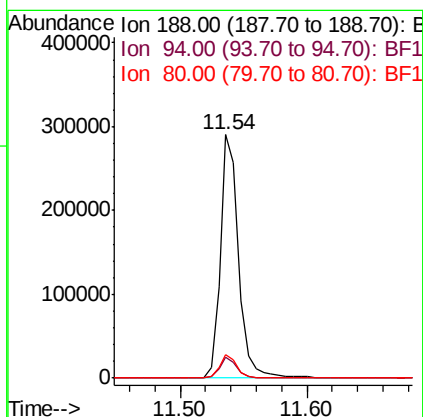
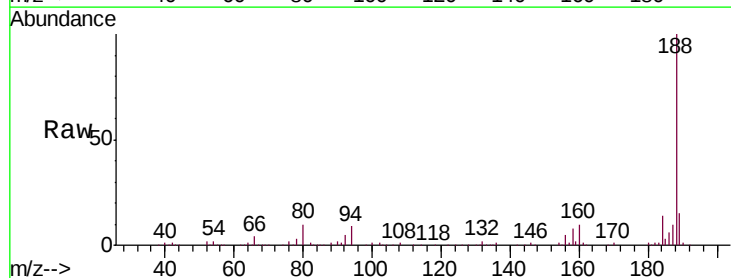
Instrument :
 BNA_F
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 082418-DBRI-F-D-B

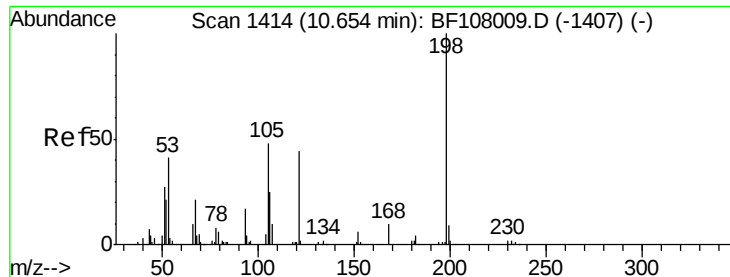
Tgt Ion:	165	Resp:	21696
Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108584.D
 Acq: 29 Aug 2018 4:43

Tgt Ion:	188	Resp:	290551
Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.5	12.7
80	9.6	9.2	13.8

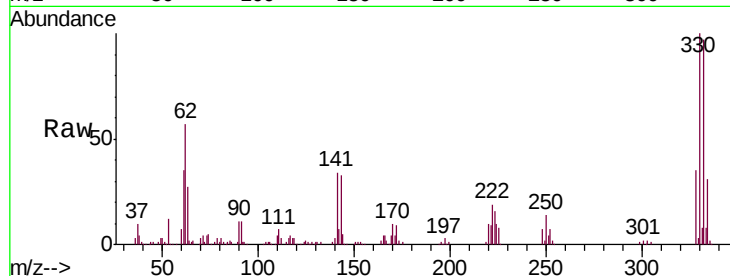




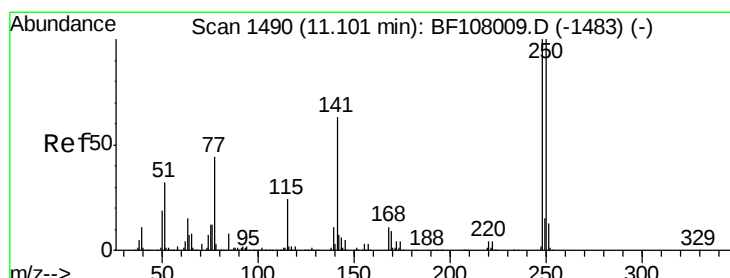
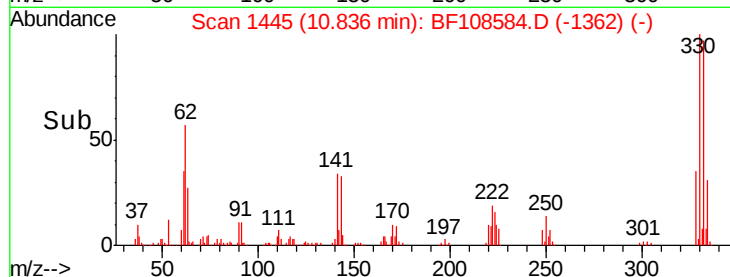
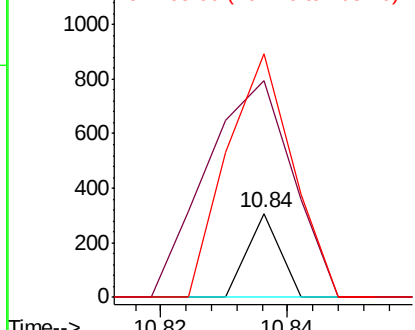
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.447 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108584.D
 Acq: 29 Aug 2018 4:43

Instrument :
 BNA_F
 ClientSampleId :
 082418-DBRI-F-D-B

Tgt Ion:198 Resp: 108
 Ion Ratio Lower Upper
 198 100
 51 258.3 37.7 77.7#
 105 290.9 36.3 76.3#

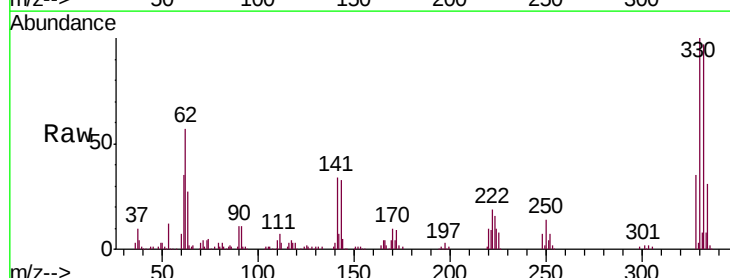


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

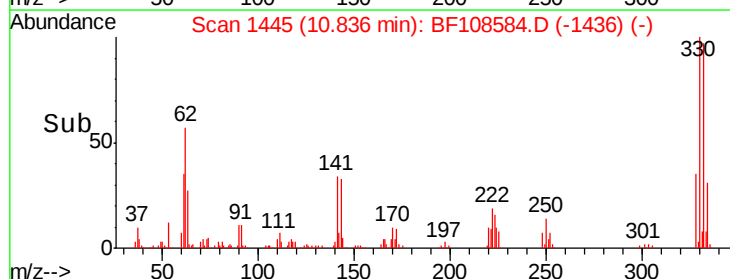
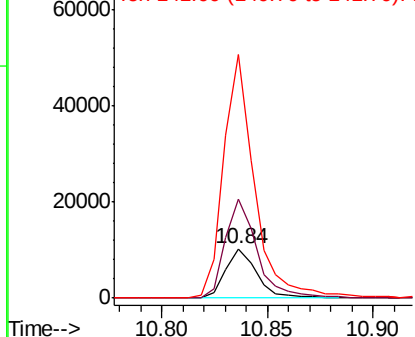


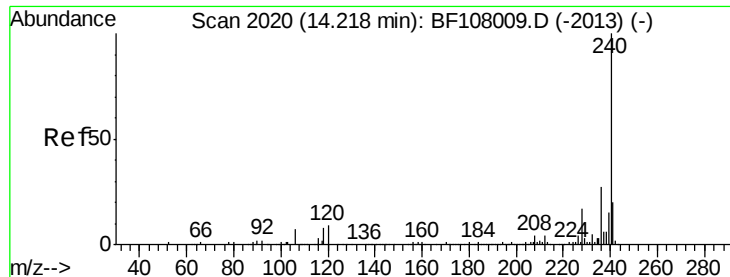
#66
 4-Bromophenyl-phenylether
 Concen: 3.307 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108584.D
 Acq: 29 Aug 2018 4:43

Tgt Ion:248 Resp: 10442
 Ion Ratio Lower Upper
 248 100
 250 202.7 76.9 115.3#
 141 496.7 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: BF108584.D

Acq: 29 Aug 2018 4:43

Instrument :

BNA_F

ClientSampleId :

082418-DBRI-F-D-B

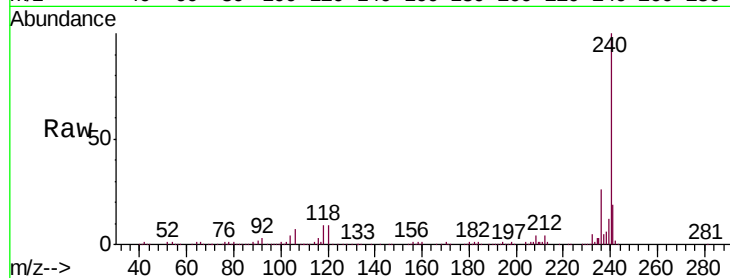
Tgt Ion:240 Resp: 280070

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

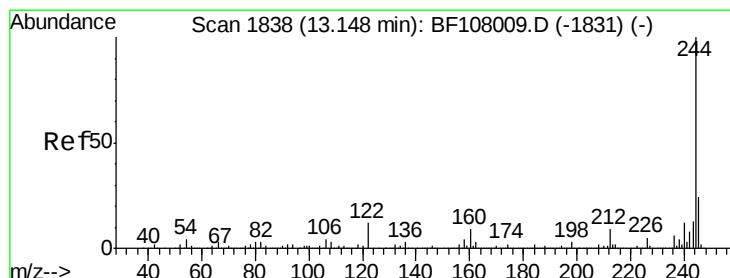
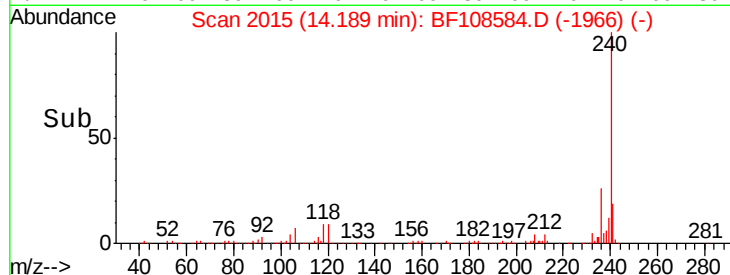
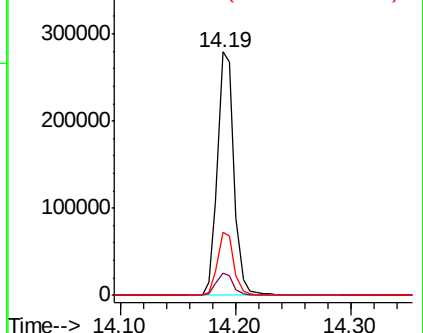
236 25.9 20.7 31.1



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: 90.662 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108584.D

Acq: 29 Aug 2018 4:43

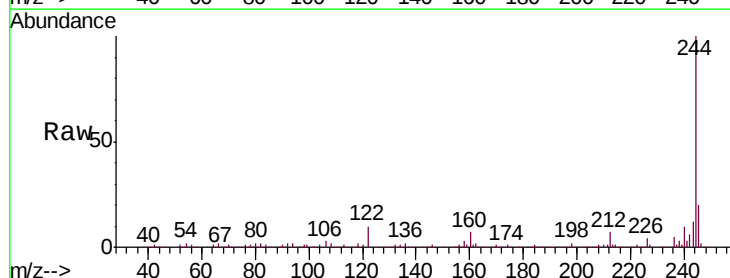
Tgt Ion:244 Resp: 998662

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

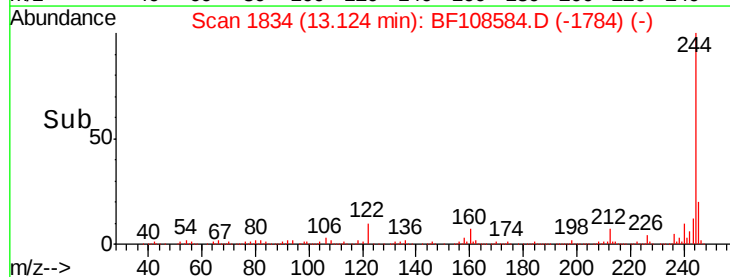
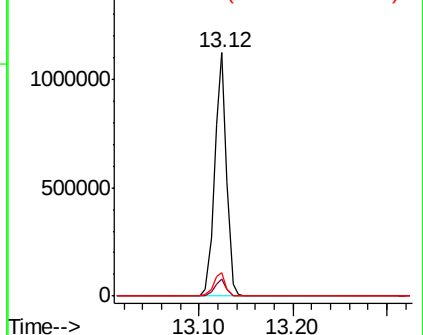
122 9.6 11.0 16.4#

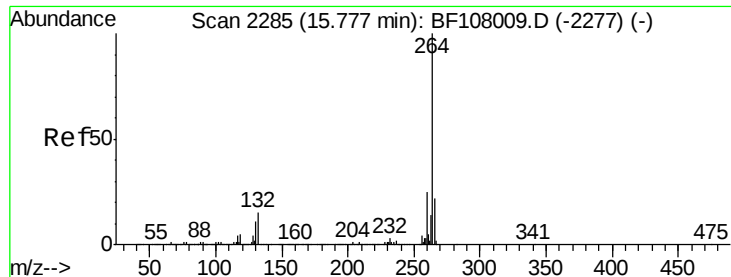


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108584.D
Acq: 29 Aug 2018 4:43

Instrument :
BNA_F
ClientSampleId :
082418-DBRI-F-D-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.6	17.5	26.3

