

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104772.D
 Acq On : 24 Apr 2018 22:22
 Operator : JU/SJ
 Sample : J2509-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

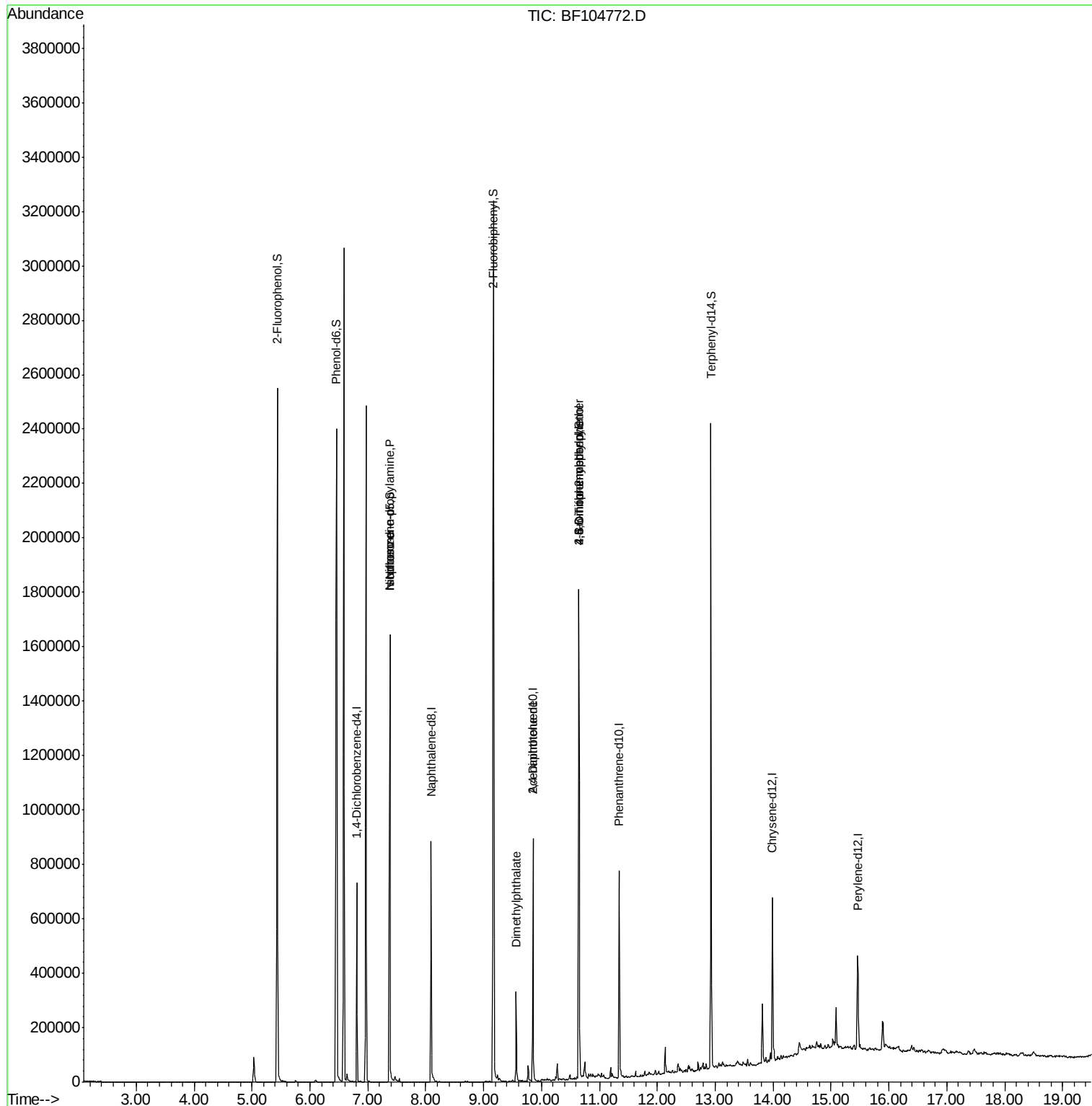
Quant Time: Apr 24 23:23:43 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

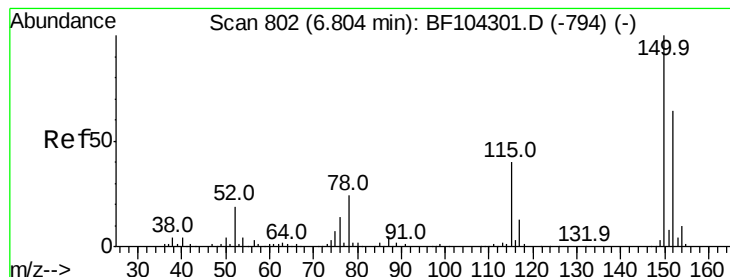
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	102552	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	403009	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	170420	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	283021	20.00	ng	0.00
75) Chrysene-d12	13.99	240	213128	20.00	ng	0.00
86) Perylene-d12	15.46	264	148300	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	837161	124.82	ng	0.02
7) Phenol-d6	6.46	99	1023642	124.22	ng	0.01
23) Nitrobenzene-d5	7.38	82	619436	100.36	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	229652	129.91	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1019570	94.51	ng	0.00
78) Terphenyl-d14	12.93	244	852254	91.17	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	1512	Below Cal	Qvalue #	1
19) n-Nitroso-di-n-propylamine	7.38	70	81626	15.158 ng	#	72
25) Isophorone	7.38	82	619431	47.462 ng	#	64
49) Dimethylphthalate	9.56	163	135050	10.049 ng		100
56) 2,4-Dinitrotoluene	9.85	165	21843	6.696 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.65	198	356	7.566 ng	#	1
66) 4-Bromophenyl-phenylether	10.65	248	13739	4.564 ng	#	1
76) Benzydine	12.93	184	11722	Below Cal		97

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

```
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Sample    : J2509-01  
Misc      :  
ALS Vial  : 23      Sample Multiplier: 1
```

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QLast Update : Mon Apr 23 15:38:25 2018
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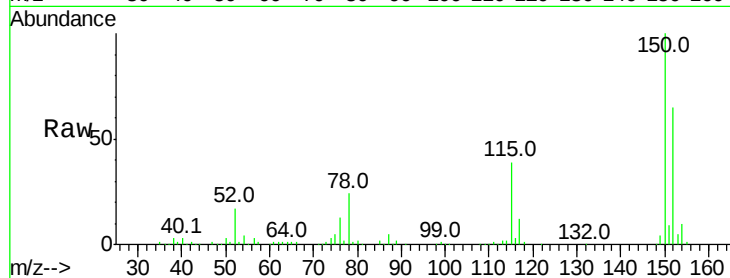


#1

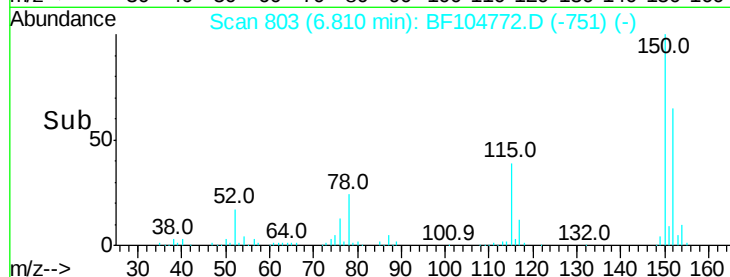
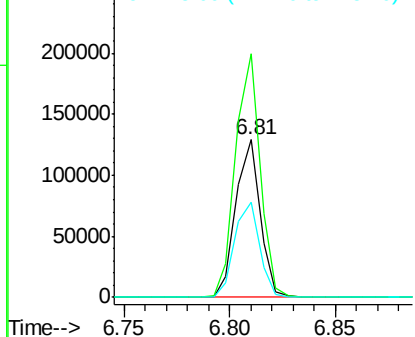
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104772.D
Acq: 24 Apr 2018 22:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 102552
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 60.8 50.1 75.1



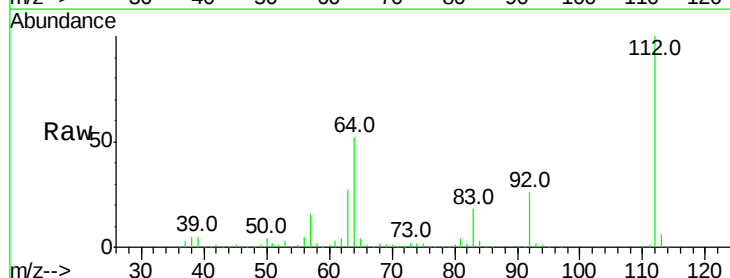
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



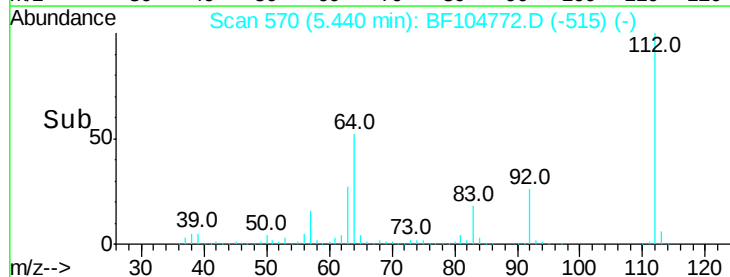
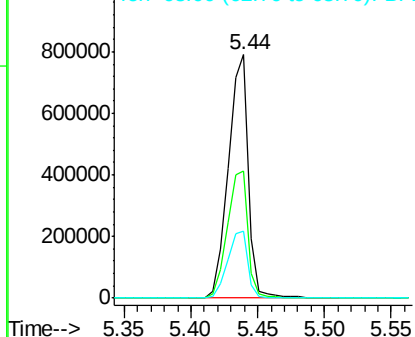
#5

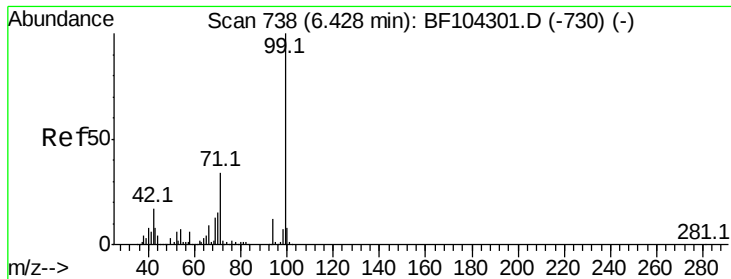
2-Fluorophenol
Concen: 124.821 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF104772.D
Acq: 24 Apr 2018 22:22

Tgt Ion:112 Resp: 837161
Ion Ratio Lower Upper
112 100
64 52.4 47.9 71.9
63 27.4 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: 124.220 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104772.D

Acq: 24 Apr 2018 22:22

Instrument :

BNA_F

ClientSampled :

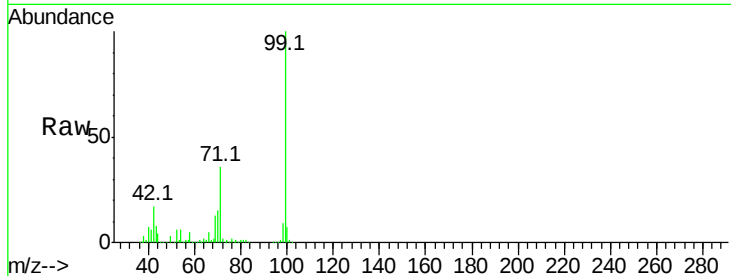
Tot Ion: 99 Resp: 1023642

Ion Ratio Lower Upper

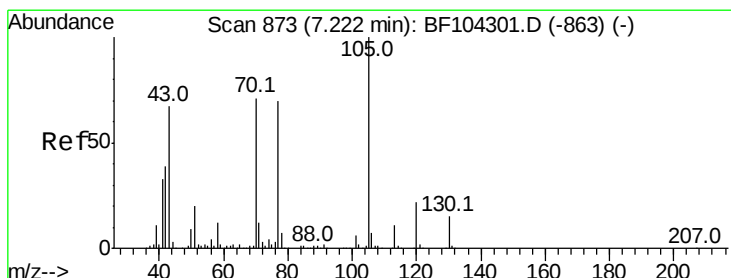
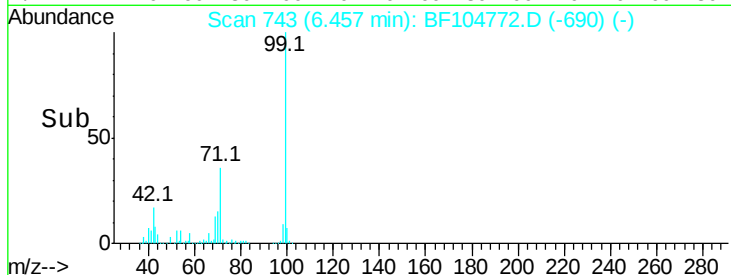
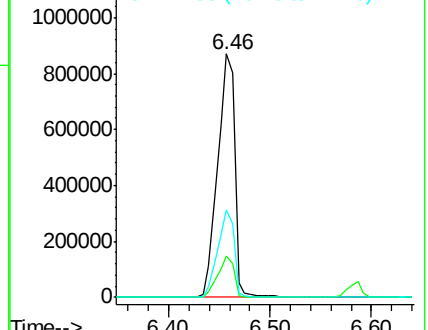
99 100

42 16.8 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: 15.158 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.16 min

Lab File: BF104772.D

Acq: 24 Apr 2018 22:22

Tgt Ion: 70 Resp: 81626

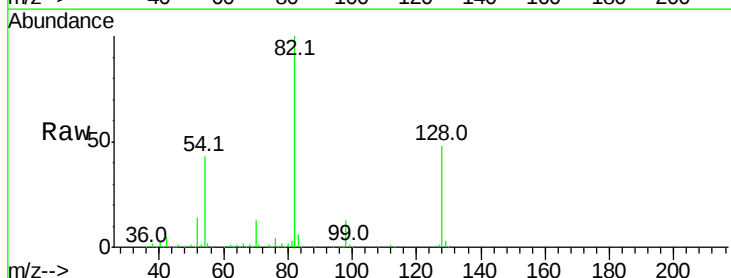
Ion Ratio Lower Upper

70 100

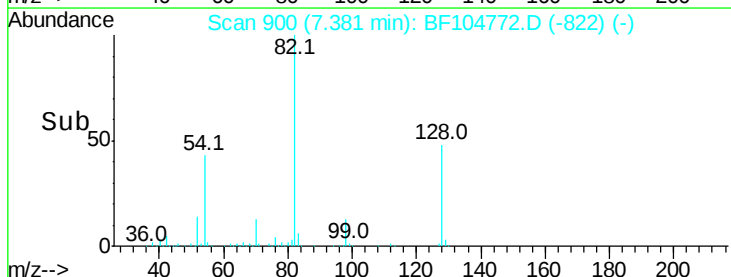
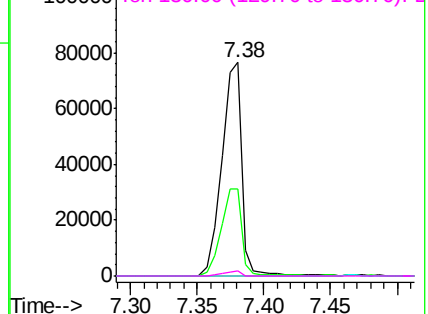
42 41.0 47.5 71.3#

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: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104772.D

Acq: 24 Apr 2018 22:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 403009

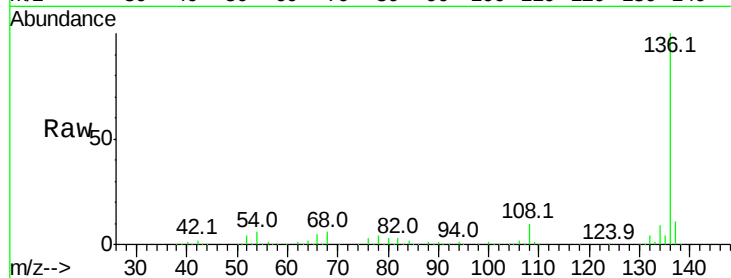
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 6.3 6.6 9.8#

68 5.5 5.0 7.4

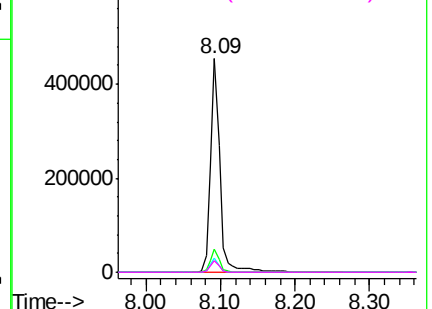
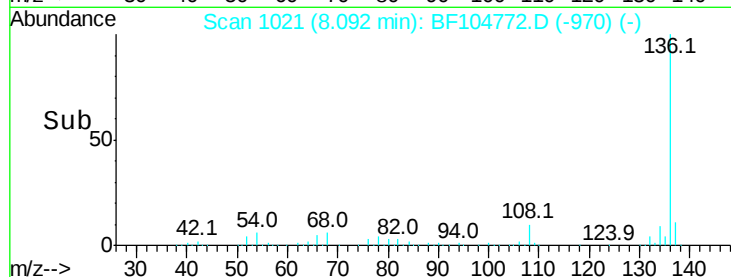


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.365 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.01 min

Lab File: BF104772.D

Acq: 24 Apr 2018 22:22

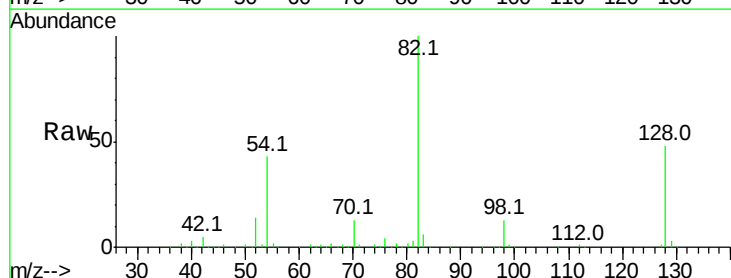
Tgt Ion: 82 Resp: 619436

Ion Ratio Lower Upper

82 100

128 48.0 36.1 54.1

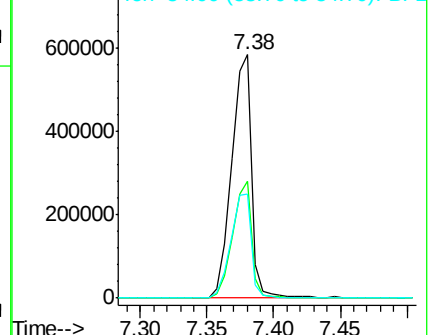
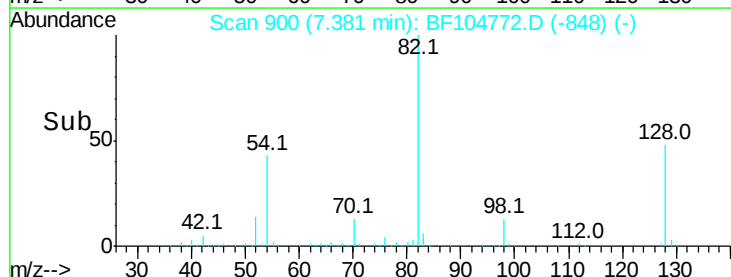
54 42.9 41.4 62.2

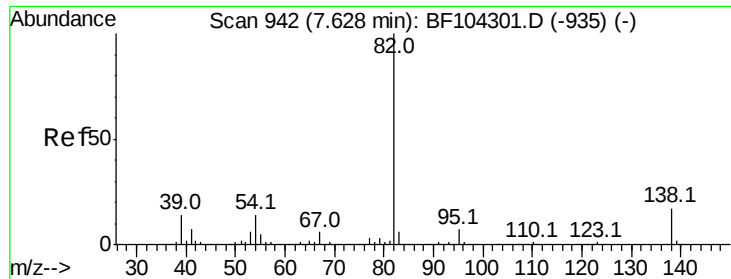


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.462 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.25 min

Lab File: BF104772.D

Acq: 24 Apr 2018 22:22

Instrument :

BNA_F

ClientSampleId :

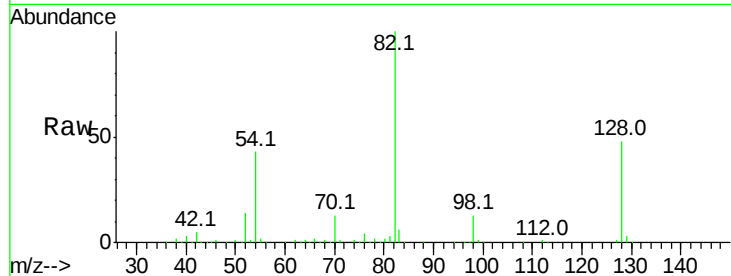
Tot Ion: 82 Resp: 619431

Ion Ratio Lower Upper

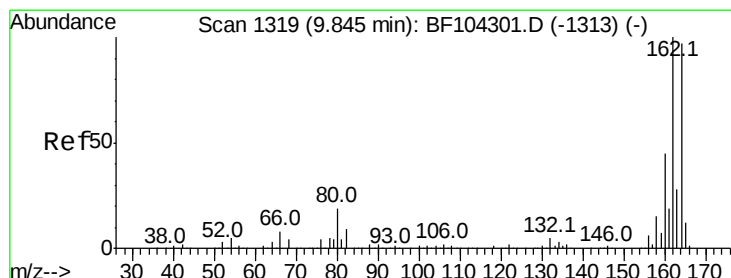
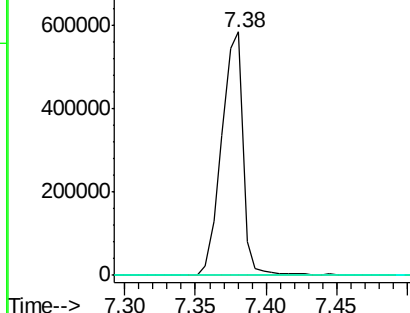
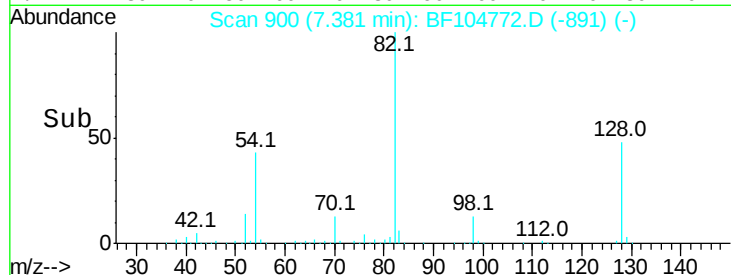
82 100

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: 9.85 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF104772.D

Acq: 24 Apr 2018 22:22

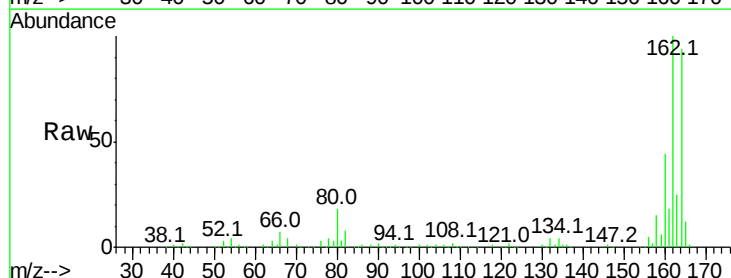
Tgt Ion:164 Resp: 170420

Ion Ratio Lower Upper

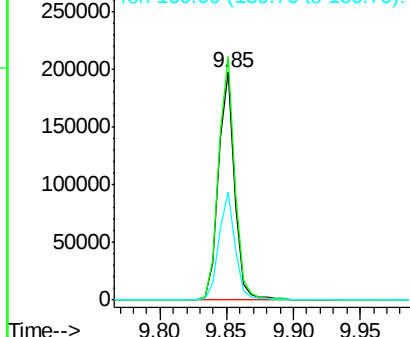
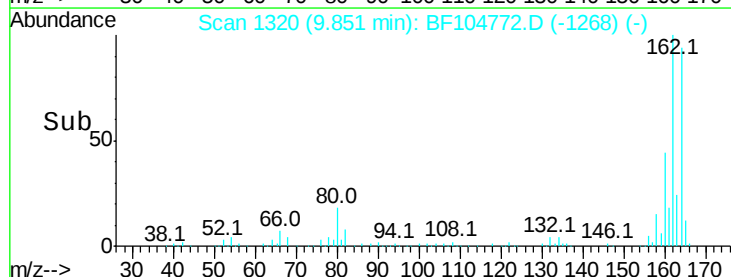
164 100

162 106.8 86.1 129.1

160 47.1 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

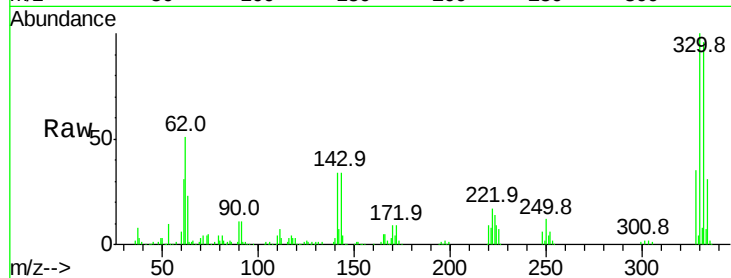




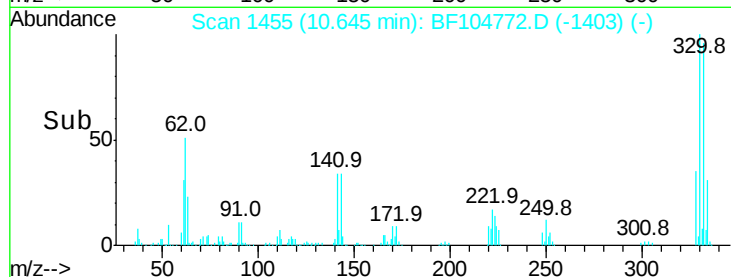
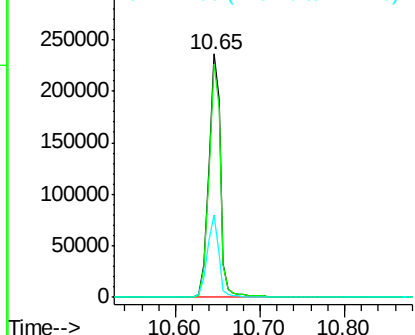
#41
 2,4,6-Tribromophenol
 Concen: 129.907 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104772.D
 Acq: 24 Apr 2018 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 229652
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 33.0 29.9 44.9

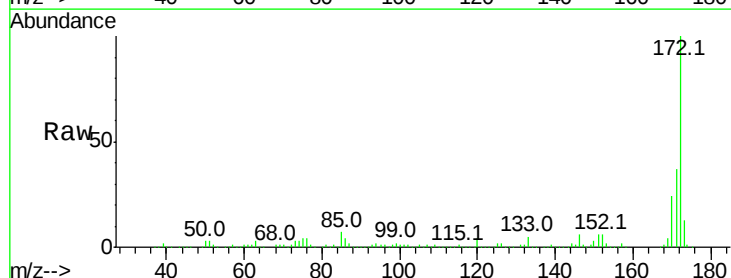


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

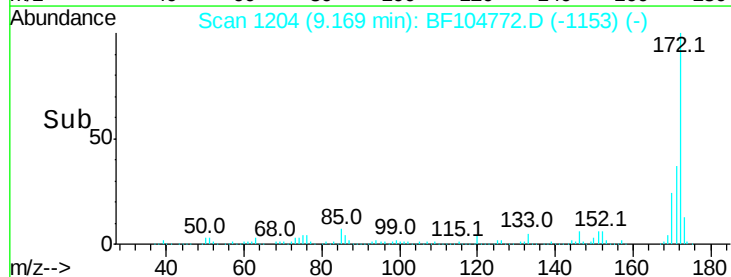
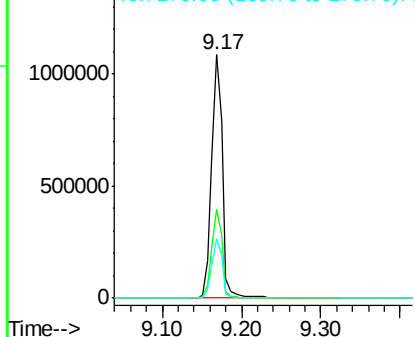


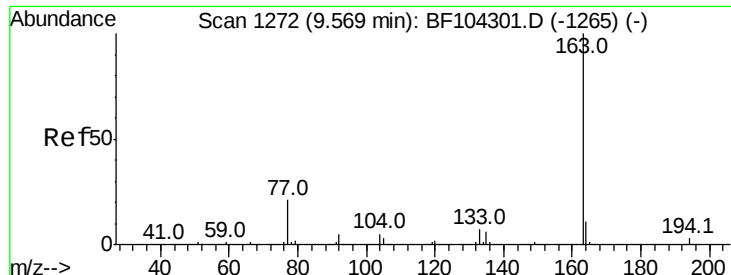
#44
 2-Fluorobiphenyl
 Concen: 94.512 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104772.D
 Acq: 24 Apr 2018 22:22

Tgt Ion:172 Resp: 1019570
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.1 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

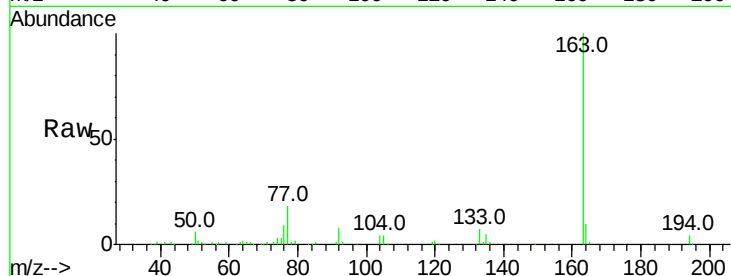




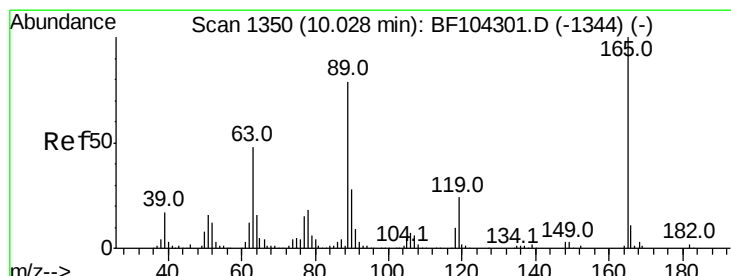
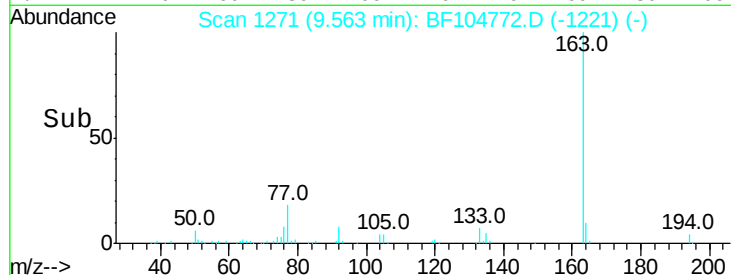
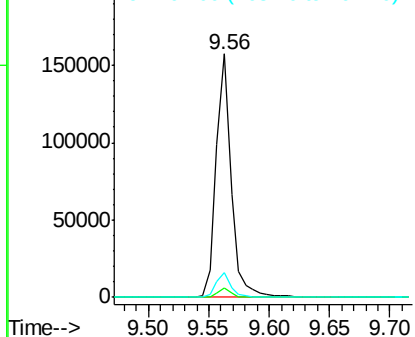
#49
Dimethylphthalate
Concen: 10.049 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104772.D
Acq: 24 Apr 2018 22:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 135050
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.2 8.2 12.2

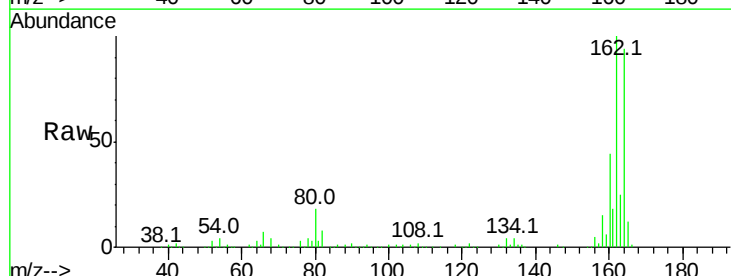


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

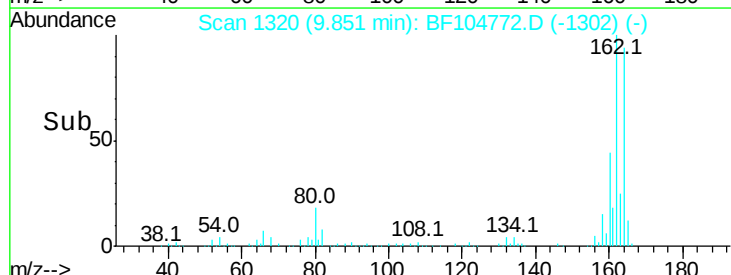
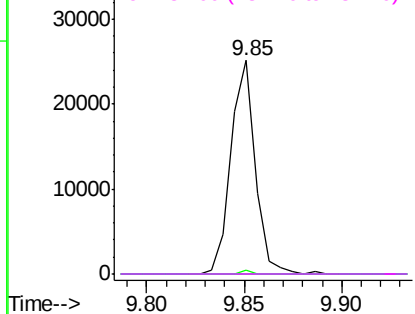


#56
2,4-Dinitrotoluene
Concen: 6.696 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104772.D
Acq: 24 Apr 2018 22:22

Tgt Ion:165 Resp: 21843
Ion Ratio Lower Upper
165 100
63 2.0 36.4 54.6#
89 0.0 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

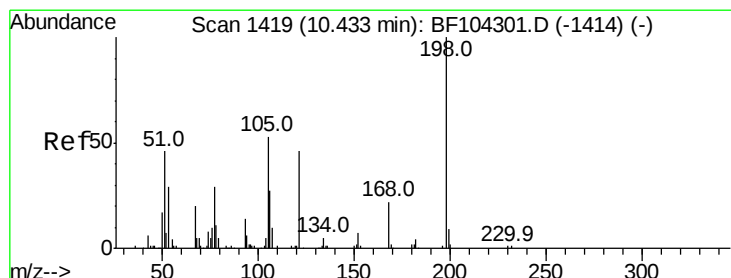
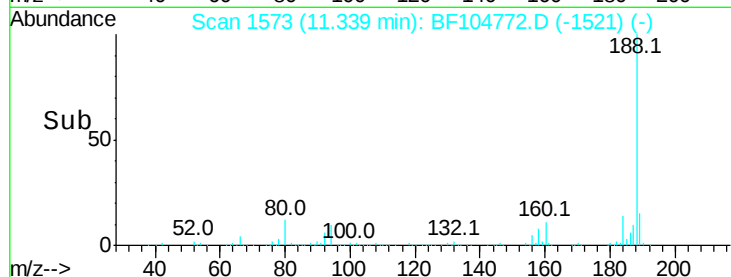
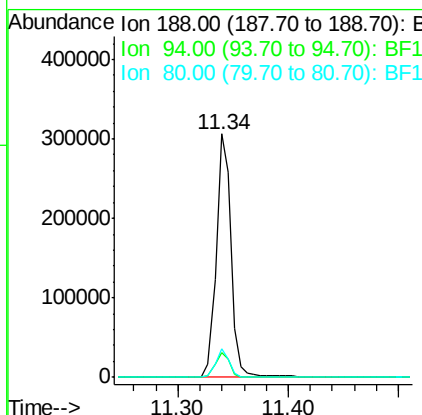
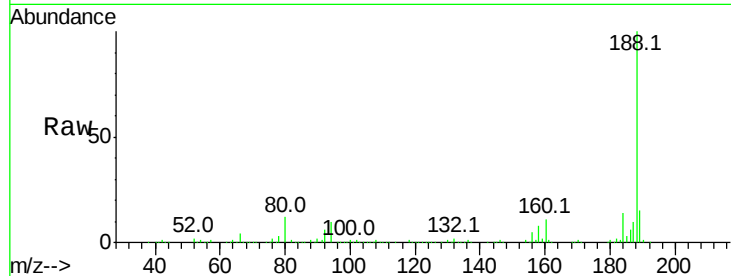




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104772.D
Acq: 24 Apr 2018 22:22

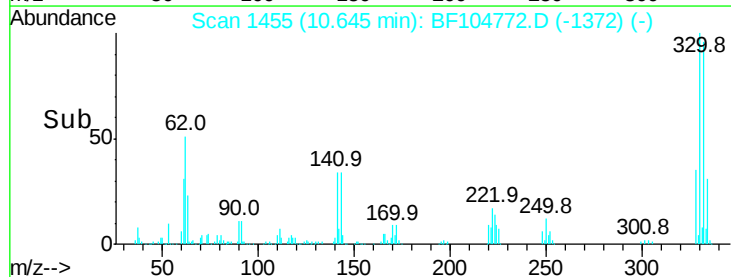
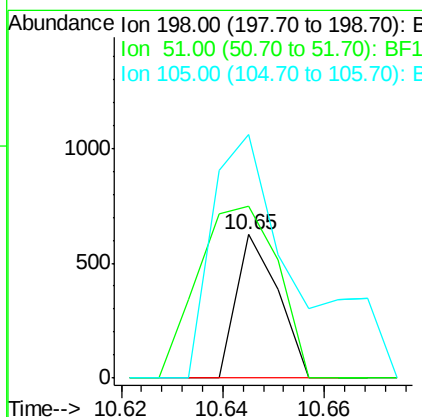
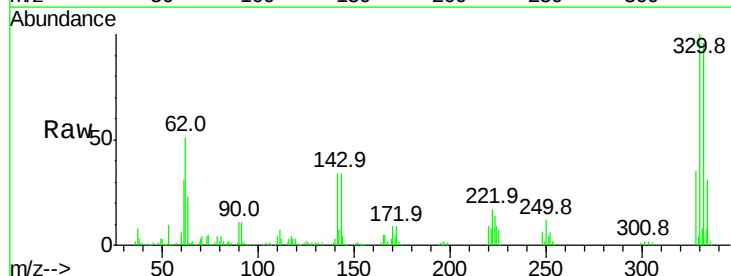
Instrument :
BNA_F
ClientSampleId :

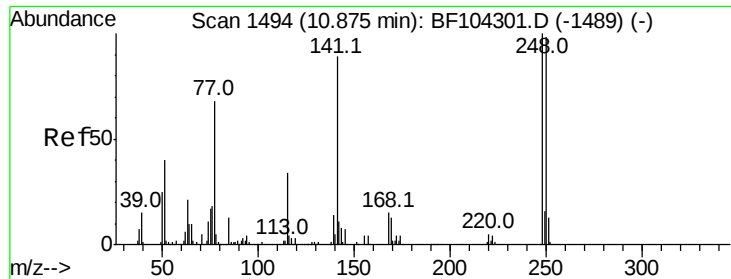
Tot Ion:188 Resp: 283021
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.566 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.19 min
Lab File: BF104772.D
Acq: 24 Apr 2018 22:22

Tgt Ion:198 Resp: 356
Ion Ratio Lower Upper
198 100
51 119.8 37.7 77.7#
105 169.4 36.3 76.3#

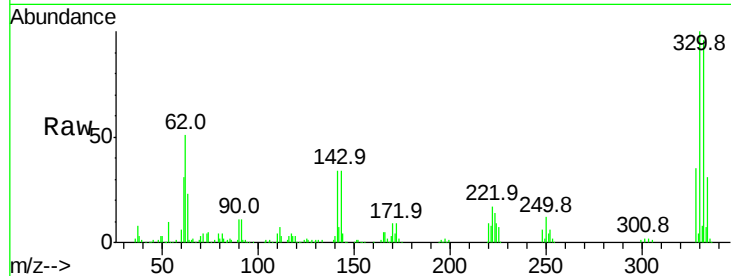




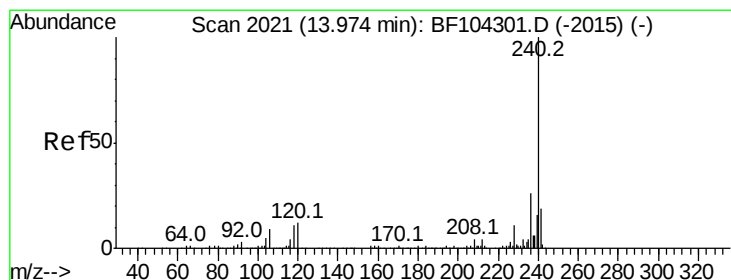
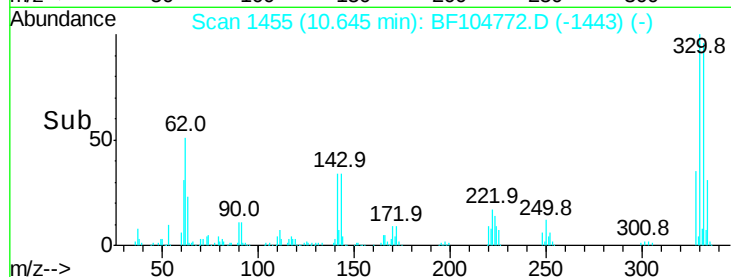
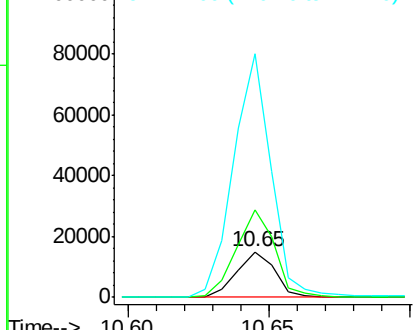
#66
 4-Bromophenyl-phenylether
 Concen: 4.564 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.23 min
 Lab File: BF104772.D
 Acq: 24 Apr 2018 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13739
 Ion Ratio Lower Upper
 248 100
 250 192.5 76.9 115.3#
 141 538.2 74.4 111.6#

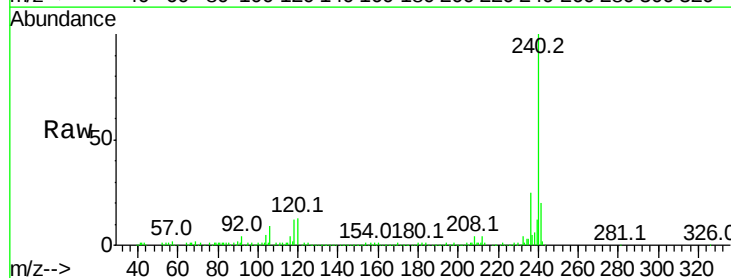


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

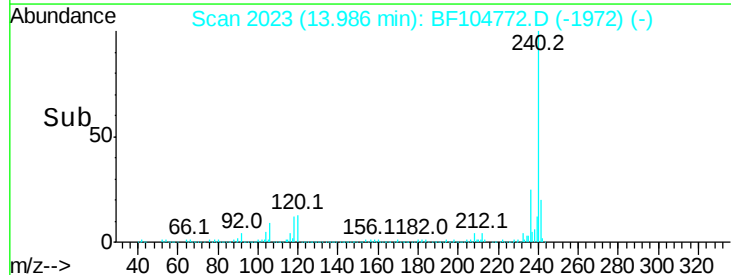
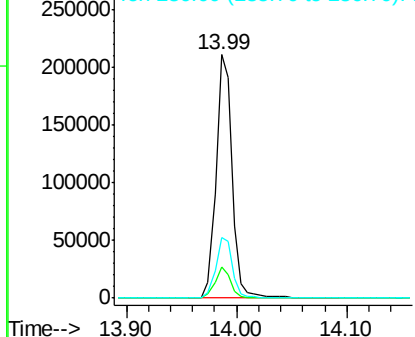


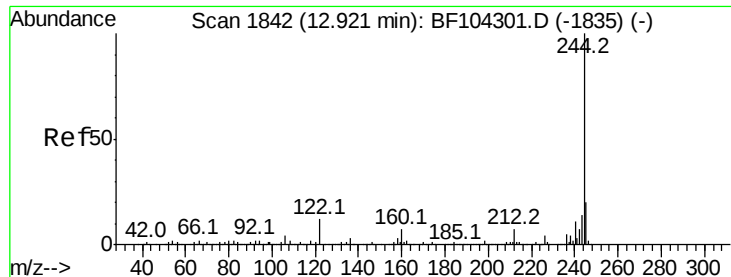
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: BF104772.D
 Acq: 24 Apr 2018 22:22

Tgt Ion:240 Resp: 213128
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.5 14.3
 236 25.1 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: 91.166 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104772.D

Acq: 24 Apr 2018 22:22

Instrument :

BNA_F

ClientSampled :

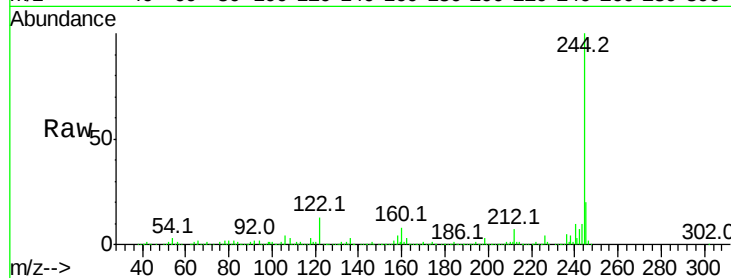
Tot Ion:244 Resp: 852254

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

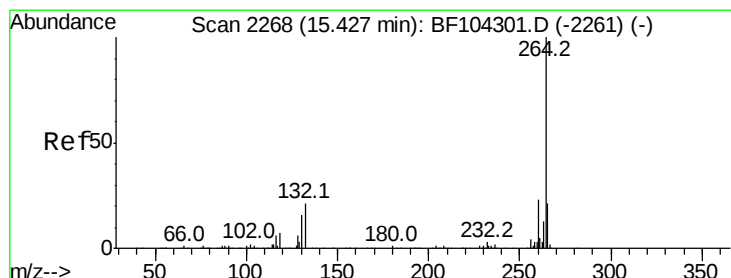
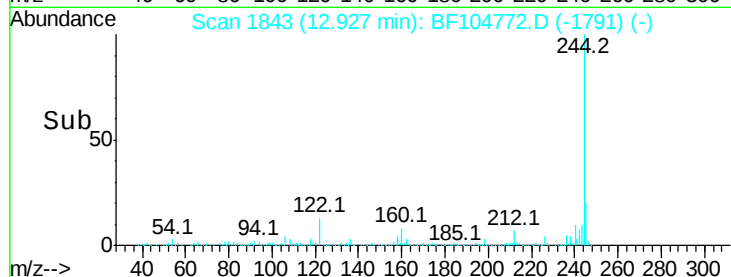
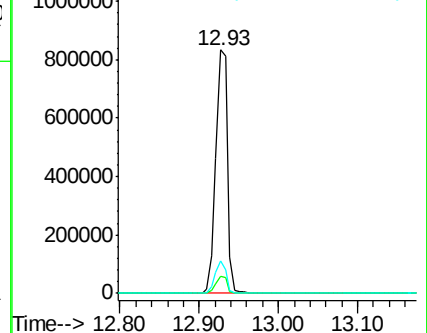
122 13.1 11.0 16.4



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: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF104772.D

Acq: 24 Apr 2018 22:22

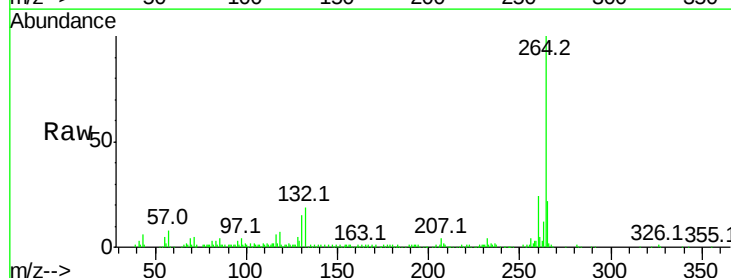
Tgt Ion:264 Resp: 148300

Ion Ratio Lower Upper

264 100

260 24.4 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

