

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104366.D
 Acq On : 9 Apr 2018 12:39
 Operator : JU/SJ
 Sample : J2148-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:13:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	135744	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	541835	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	247902	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	416395	20.00	ng	0.00
75) Chrysene-d12	13.97	240	261321	20.00	ng	0.00
86) Perylene-d12	15.43	264	285107	20.00	ng	0.00

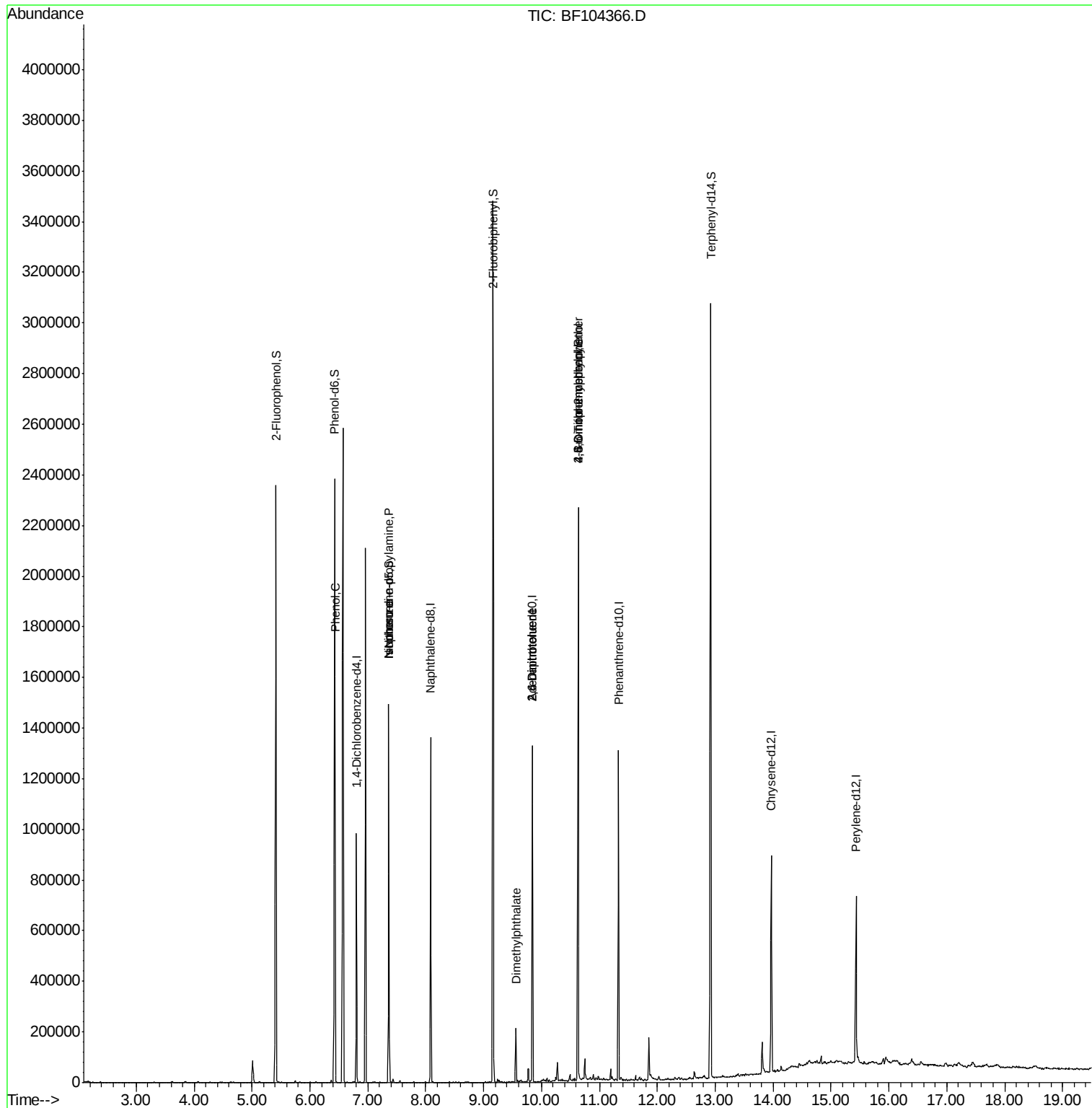
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	662374	74.61	ng	0.00
7) Phenol-d6	6.43	99	911838	83.60	ng	0.00
23) Nitrobenzene-d5	7.36	82	535956	64.59	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	286383	111.37	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1034081	65.90	ng	0.00
78) Terphenyl-d14	12.92	244	1052858	91.85	ng	0.00

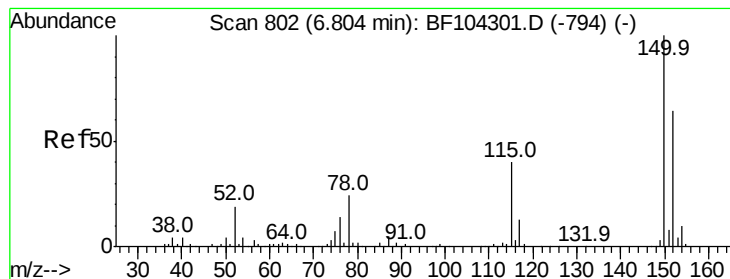
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	1720	Below Cal		# 1
10) Phenol	6.44	94	32968	2.849	ng	97
19) n-Nitroso-di-n-propylamine	7.36	70	70731	9.923	ng	# 74
25) Isophorone	7.36	82	535707	30.530	ng	# 64
49) Dimethylphthalate	9.56	163	80858	4.136	ng	98
50) 2,6-Dinitrotoluene	9.84	165	31539	8.719	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	31539	6.647	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	484	7.549	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	17313	3.909	ng	# 1
76) Benzidine	12.92	184	14136	Below Cal		96

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

```
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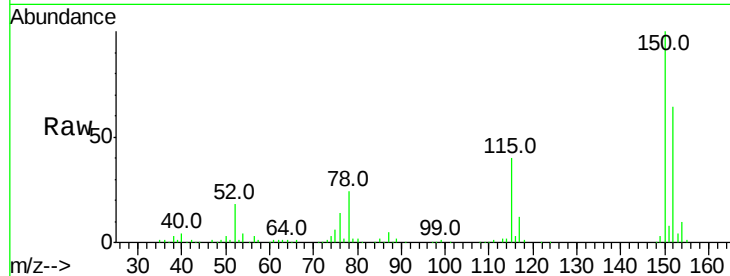


#1

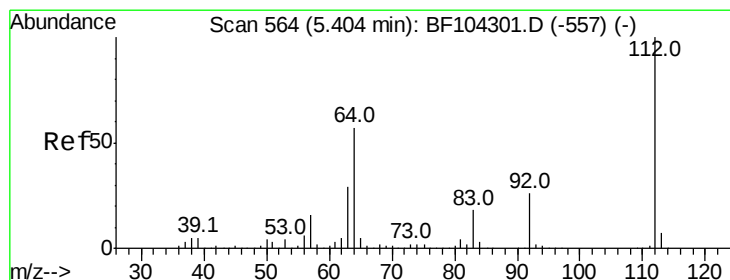
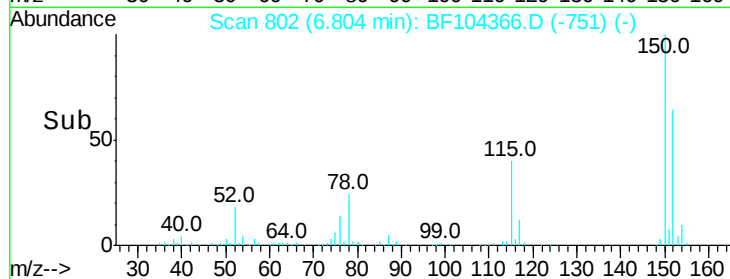
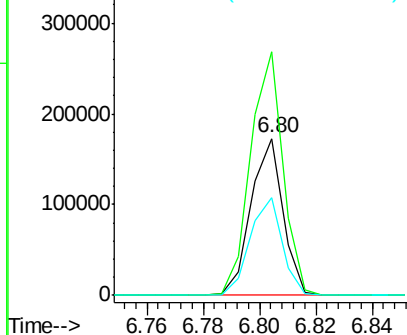
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: BF104366.D
 Acq: 9 Apr 2018 12:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 135744
 Ion Ratio Lower Upper
 152 100
 150 155.4 124.6 186.8
 115 62.3 50.1 75.1



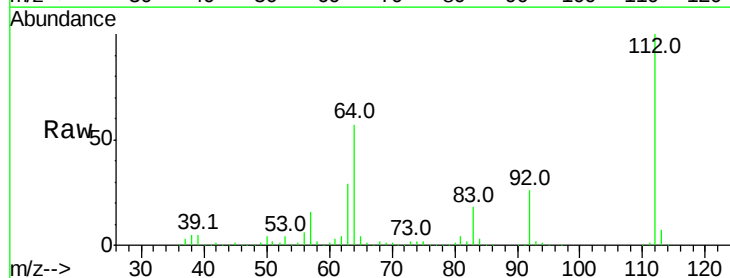
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



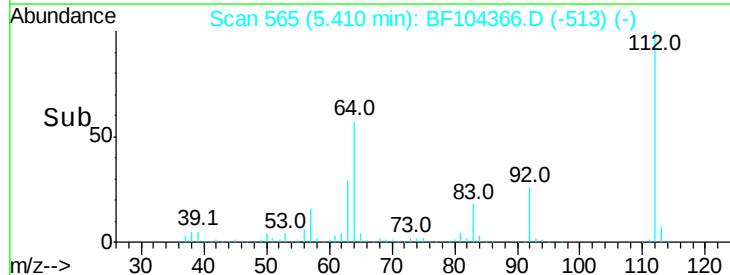
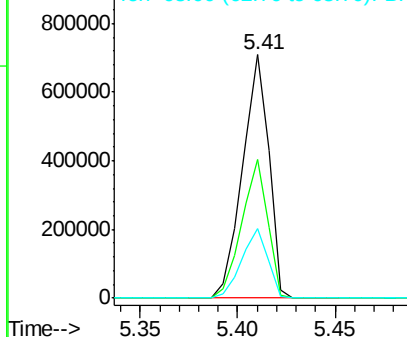
#5

2-Fluorophenol
 Concen: 74.612 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF104366.D
 Acq: 9 Apr 2018 12:39

Tgt Ion:112 Resp: 662374
 Ion Ratio Lower Upper
 112 100
 64 56.7 47.9 71.9
 63 28.7 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: 83.596 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF104366.D

Acq: 9 Apr 2018 12:39

Instrument :

BNA_F

ClientSampled :

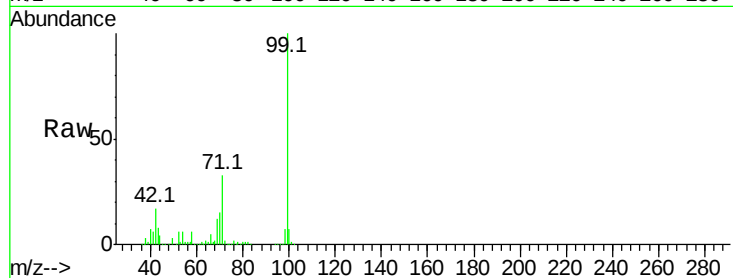
Tot Ion: 99 Resp: 911838

Ion Ratio Lower Upper

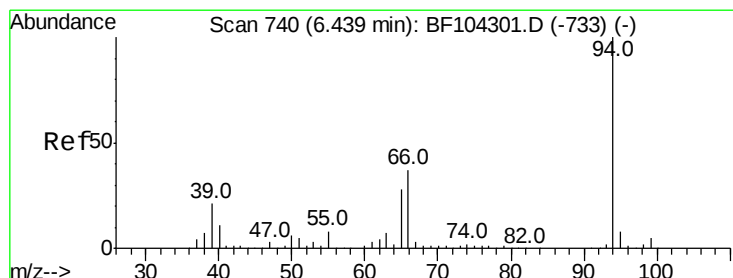
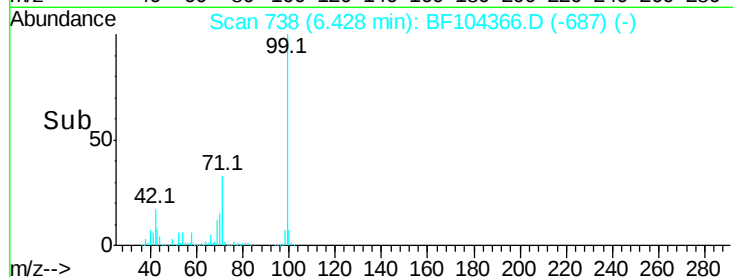
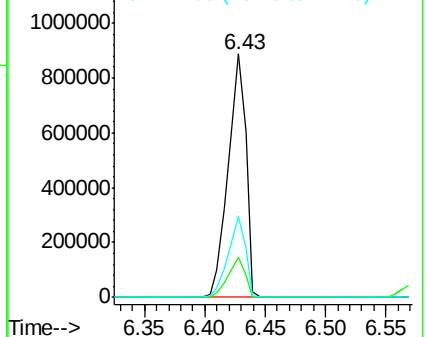
99 100

42 16.6 14.5 21.7

71 33.1 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



#10

Phenol

Concen: 2.849 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF104366.D

Acq: 9 Apr 2018 12:39

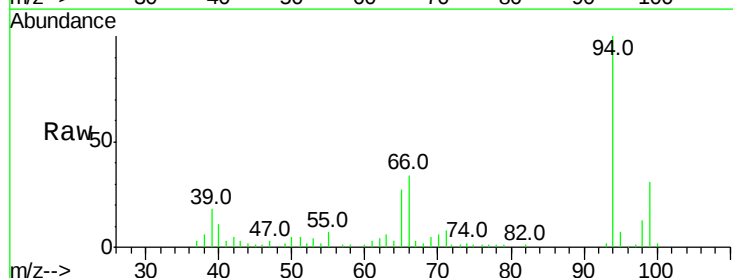
Tgt Ion: 94 Resp: 32968

Ion Ratio Lower Upper

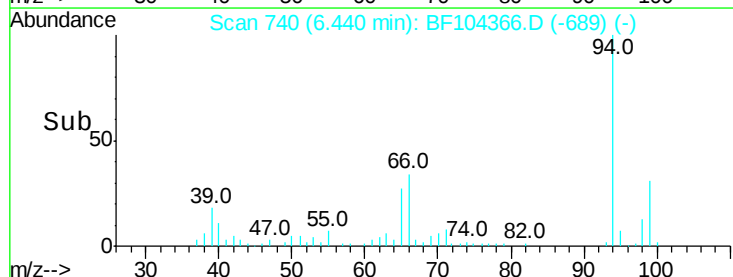
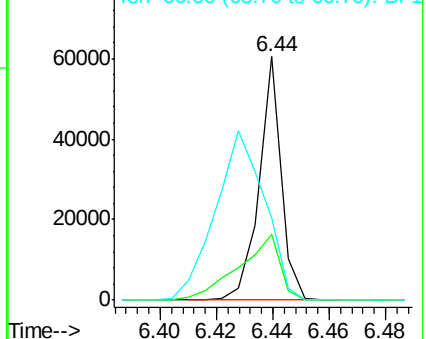
94 100

65 26.7 7.9 47.9

66 33.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 9.923 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF104366.D

Acq: 9 Apr 2018 12:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 70731

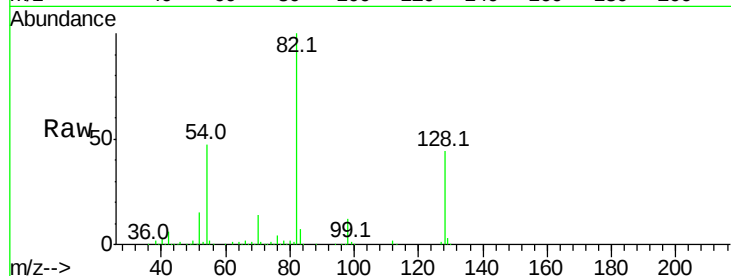
Ion Ratio Lower Upper

70 100

42 43.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

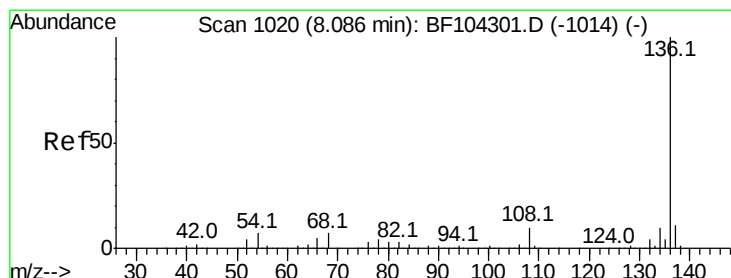
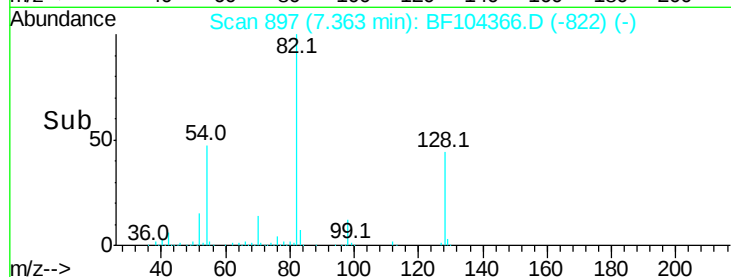
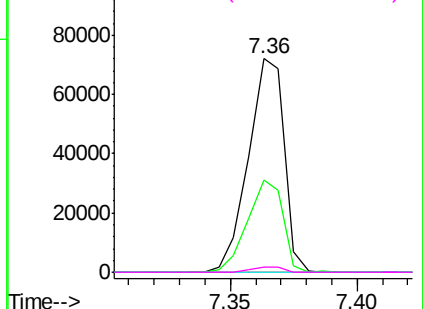


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1020

Delta R.T. 0.00 min

Lab File: BF104366.D

Acq: 9 Apr 2018 12:39

Tgt Ion:136 Resp: 541835

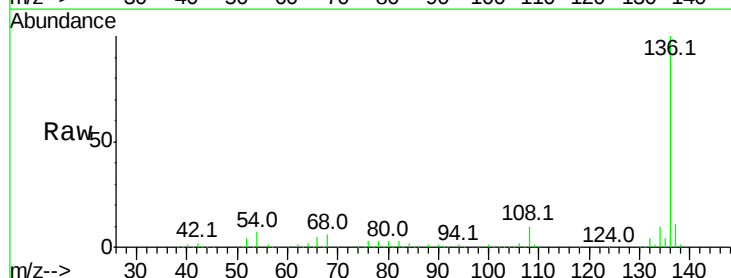
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.9 6.6 9.8

68 6.3 5.0 7.4

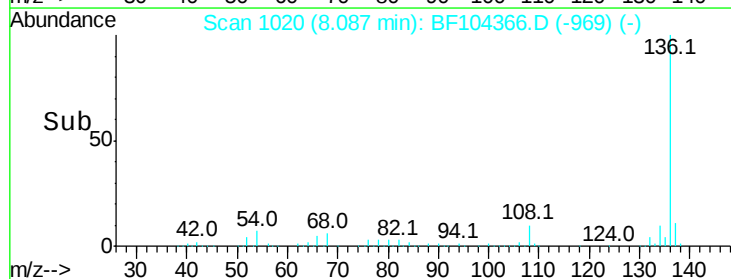
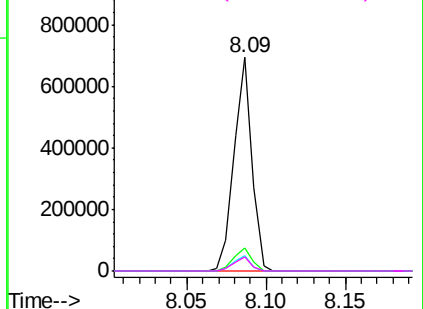


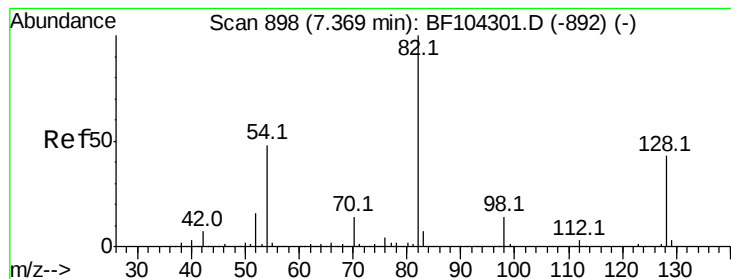
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 64.590 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104366.D

Acq: 9 Apr 2018 12:39

Instrument :

BNA_F

ClientSampled :

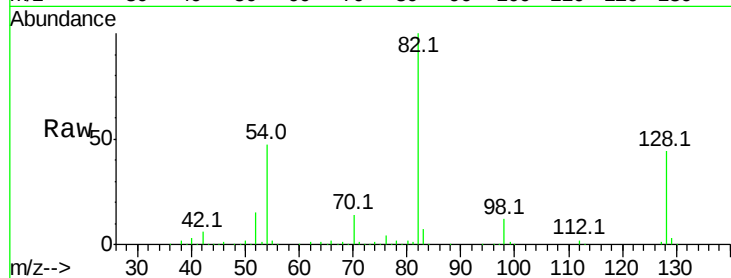
Tot Ion: 82 Resp: 535956

Ion Ratio Lower Upper

82 100

128 43.5 36.1 54.1

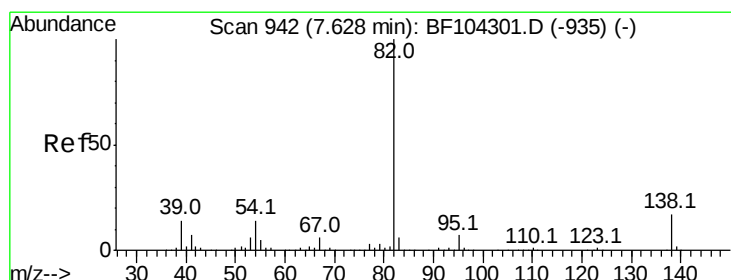
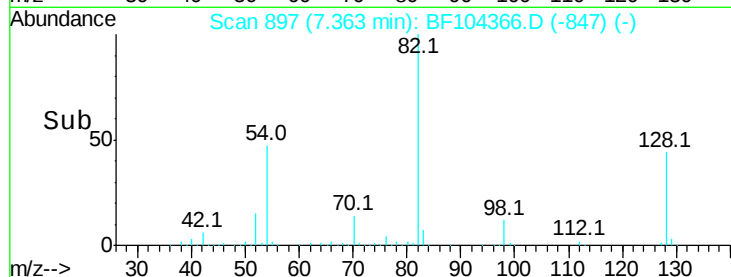
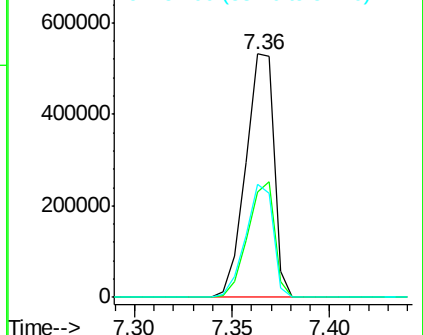
54 46.6 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 30.530 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104366.D

Acq: 9 Apr 2018 12:39

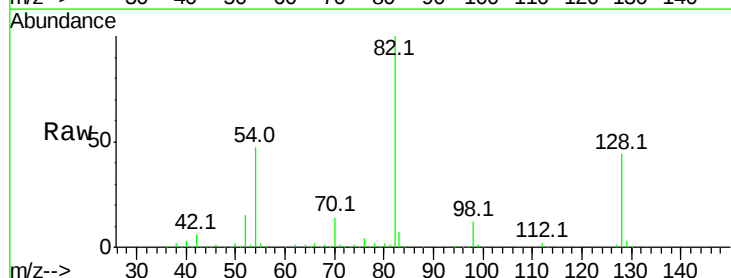
Tgt Ion: 82 Resp: 535707

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

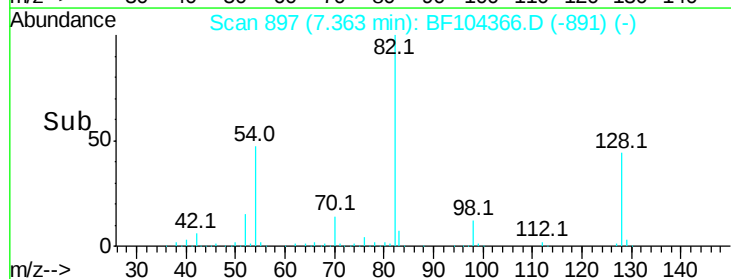
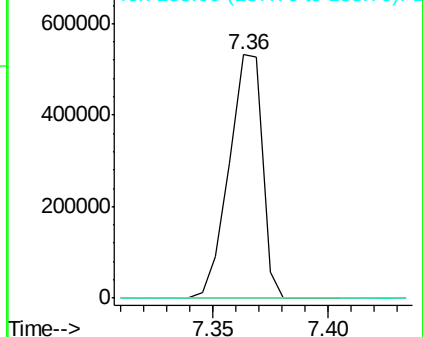
138 0.0 14.9 22.3#

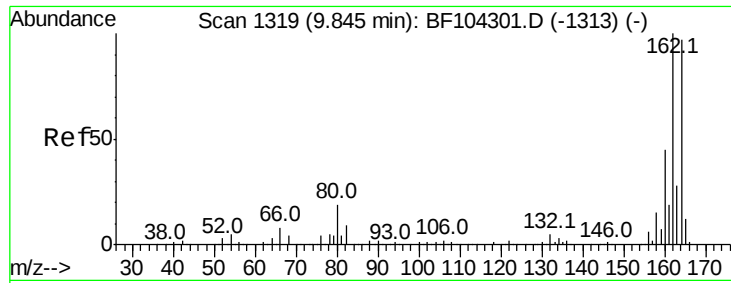


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

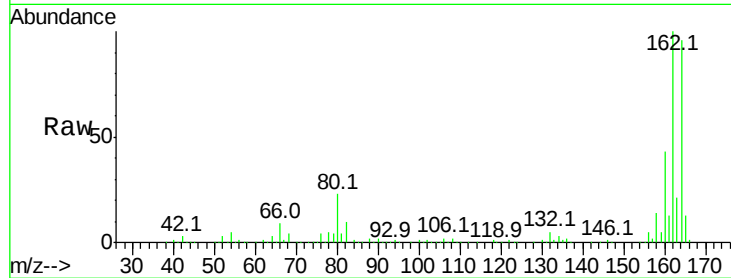




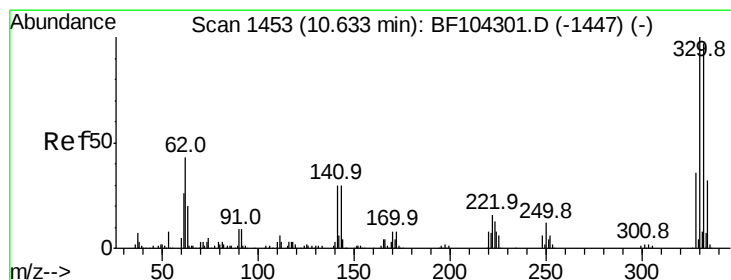
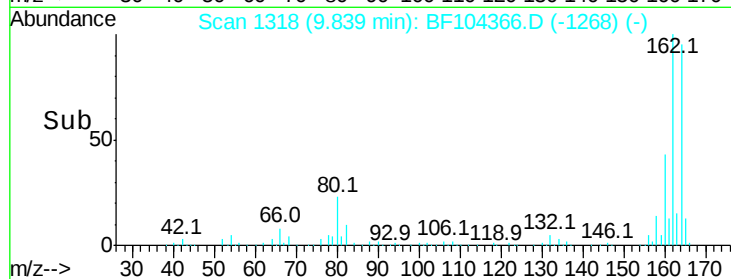
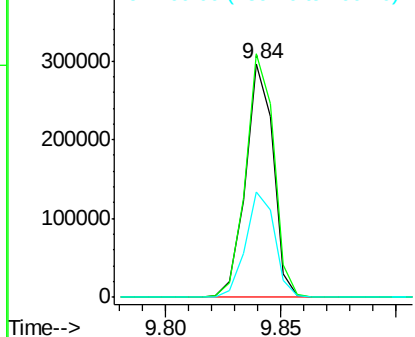
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104366.D
 Acq: 9 Apr 2018 12:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 247902
 Ion Ratio Lower Upper
 164 100
 162 104.2 86.1 129.1
 160 45.0 38.3 57.5

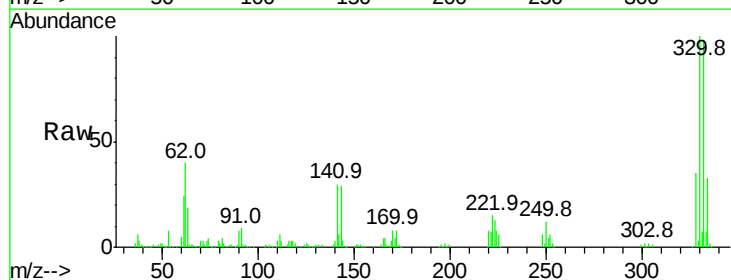


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

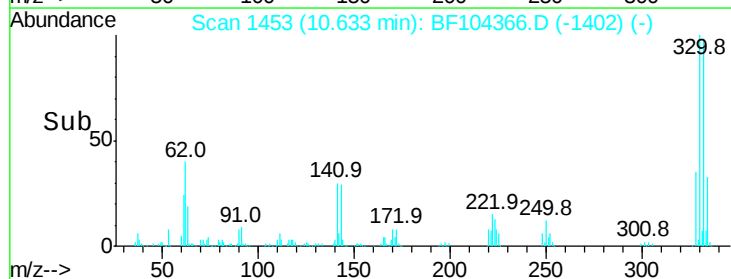
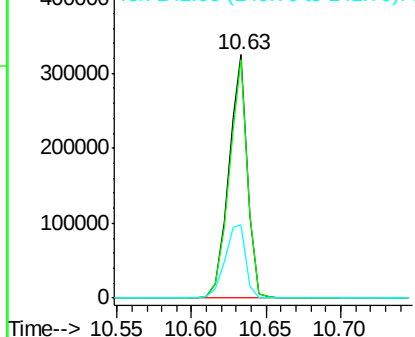


#41
 2,4,6-Tribromophenol
 Concen: 111.366 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104366.D
 Acq: 9 Apr 2018 12:39

Tgt Ion:330 Resp: 286383
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 33.7 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

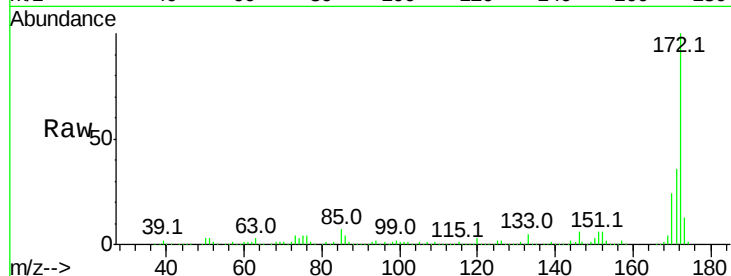




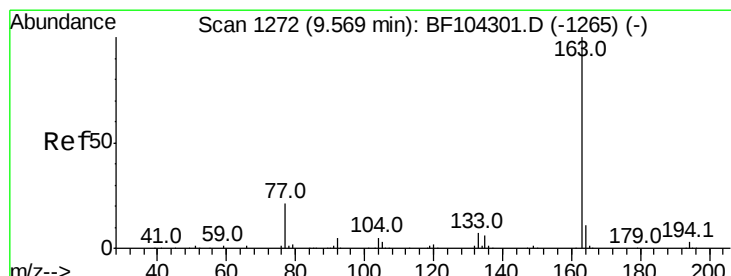
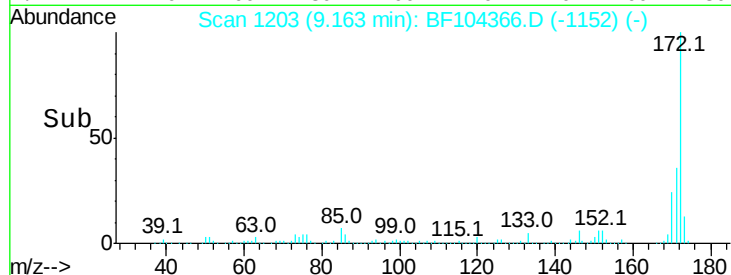
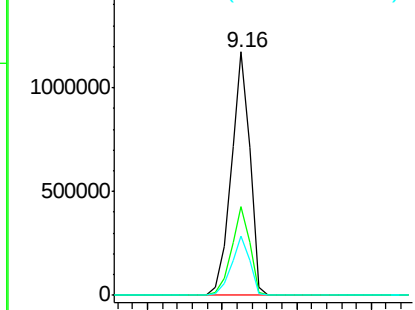
#44
2-Fluorobiphenyl
Concen: 65.897 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF104366.D
Acq: 9 Apr 2018 12:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1034081
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 24.1 19.6 29.4

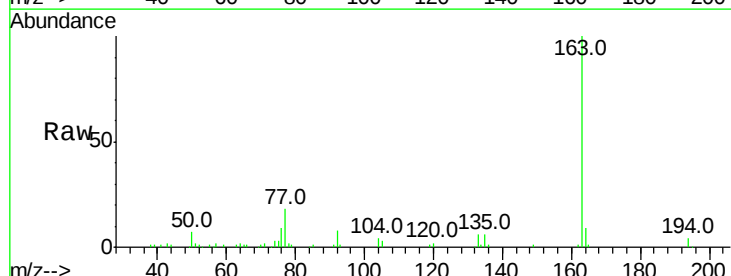


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

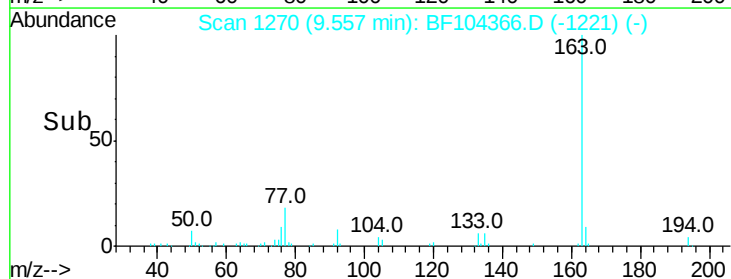
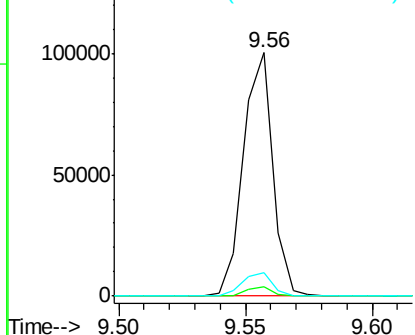


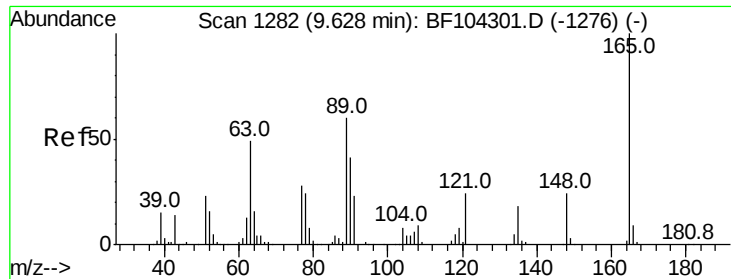
#49
Dimethylphthalate
Concen: 4.136 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104366.D
Acq: 9 Apr 2018 12:39

Tgt Ion:163 Resp: 80858
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.4 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: 8.719 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104366.D

Acq: 9 Apr 2018 12:39

Instrument :

BNA_F

ClientSampleId :

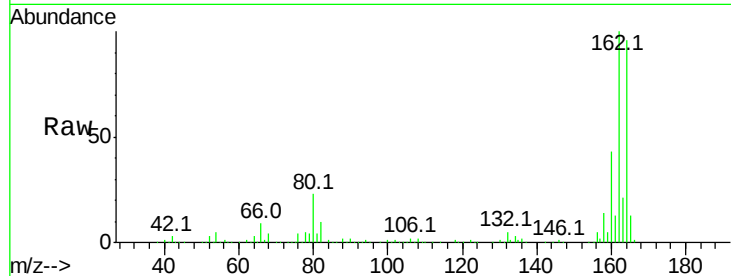
Tot Ion:165 Resp: 31539

Ion Ratio Lower Upper

165 100

63 1.2 44.7 67.1#

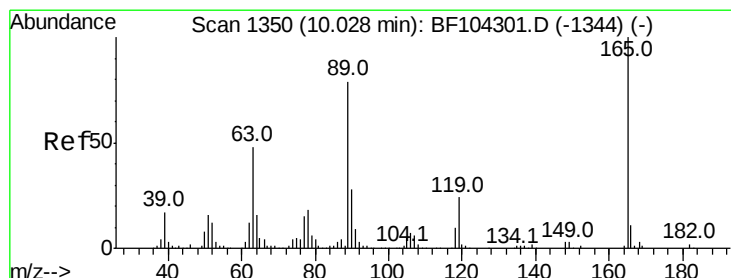
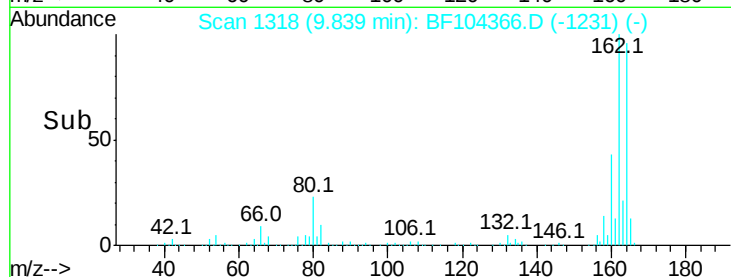
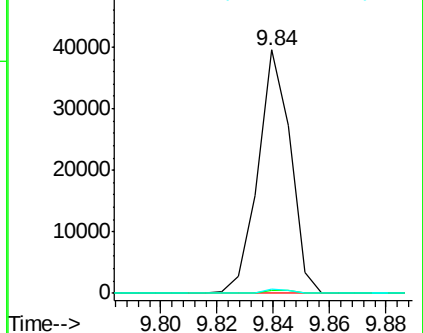
89 1.5 44.0 66.0#



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: 6.647 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.19 min

Lab File: BF104366.D

Acq: 9 Apr 2018 12:39

Tgt Ion:165 Resp: 31539

Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.5 57.8 86.6#

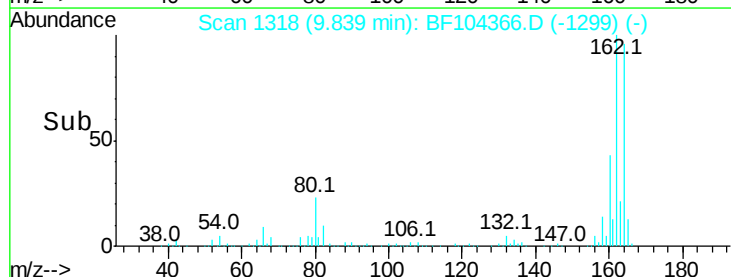
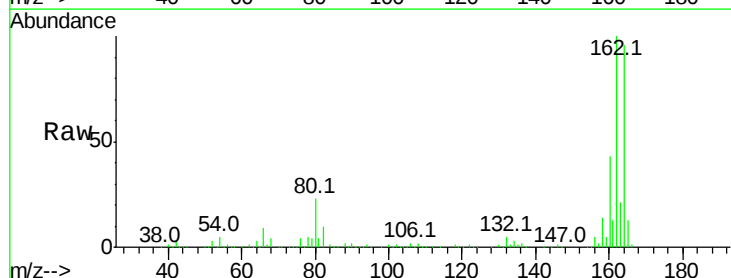
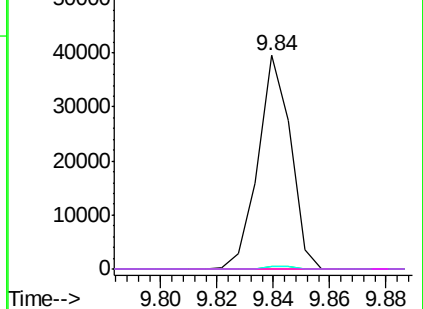
182 0.0 1.6 2.4#

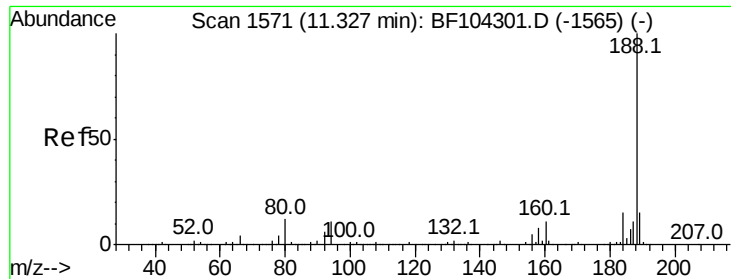
Abundance Ion 165.00 (164.70 to 165.70): E

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

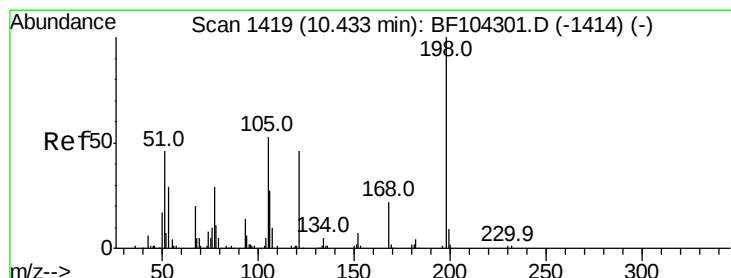
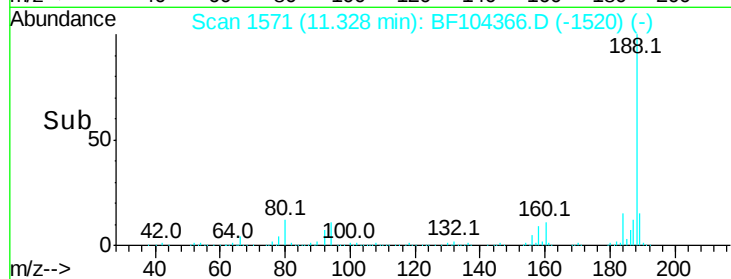
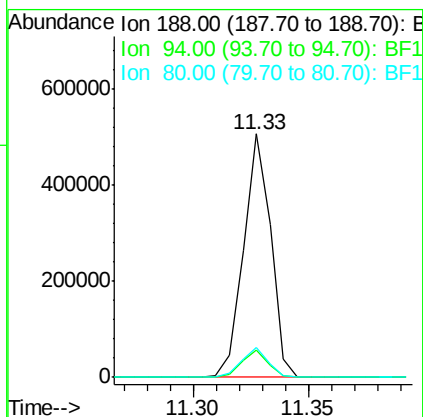
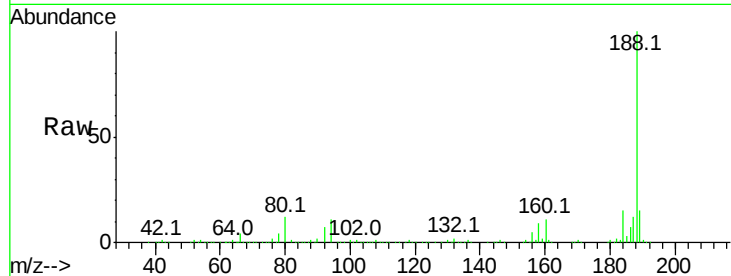




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF104366.D
Acq: 9 Apr 2018 12:39

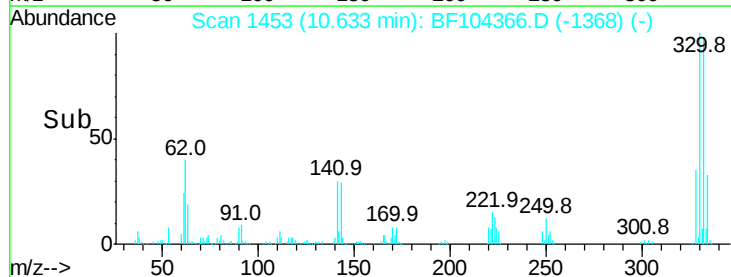
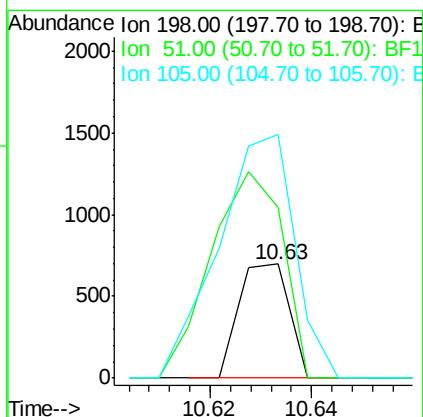
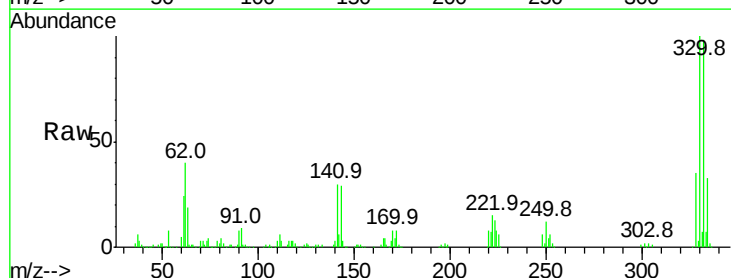
Instrument :
BNA_F
ClientSampleId :

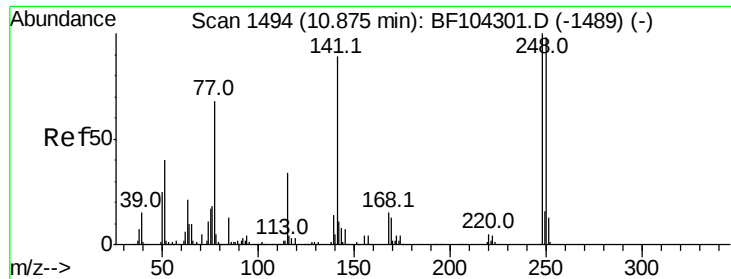
Tot Ion:188 Resp: 416395
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.0 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.549 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.20 min
Lab File: BF104366.D
Acq: 9 Apr 2018 12:39

Tgt Ion:198 Resp: 484
Ion Ratio Lower Upper
198 100
51 149.4 37.7 77.7#
105 213.9 36.3 76.3#

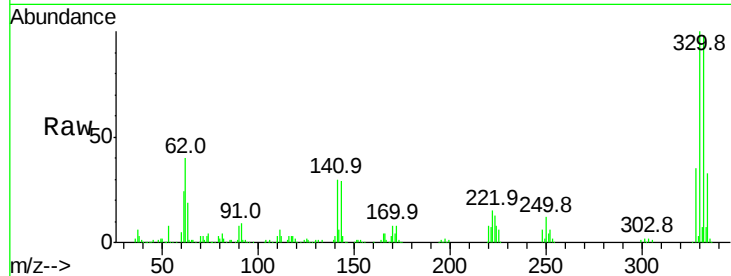




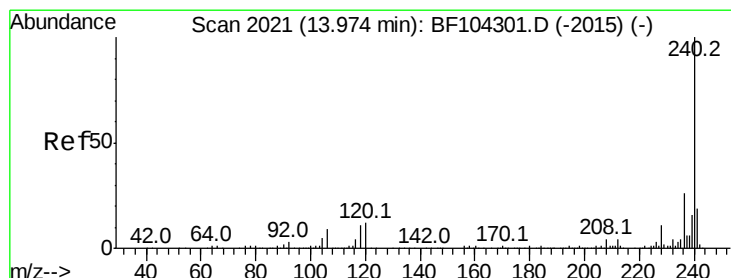
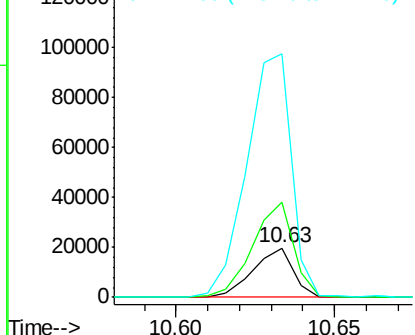
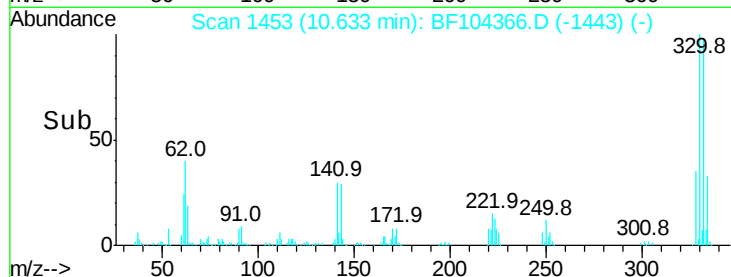
#66
 4-Bromophenyl-phenylether
 Concen: 3.909 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104366.D
 Acq: 9 Apr 2018 12:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 17313
 Ion Ratio Lower Upper
 248 100
 250 192.1 76.9 115.3#
 141 492.1 74.4 111.6#

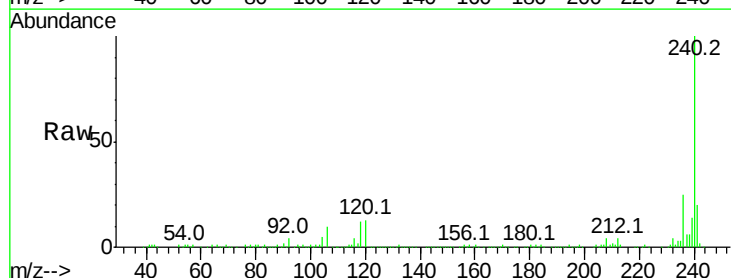


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

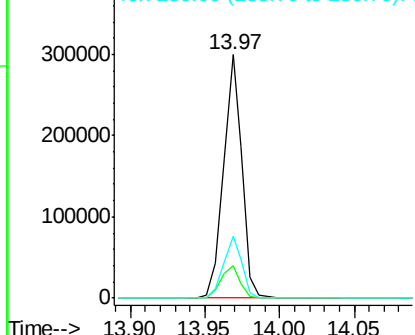
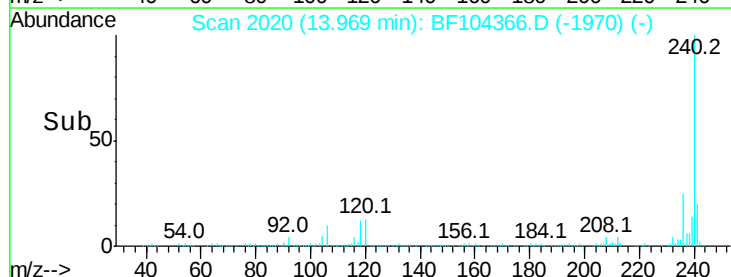


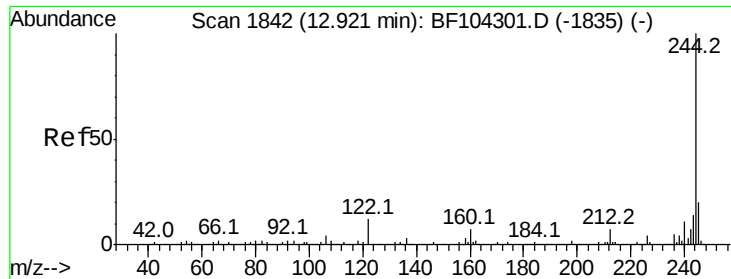
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104366.D
 Acq: 9 Apr 2018 12:39

Tgt Ion:240 Resp: 261321
 Ion Ratio Lower Upper
 240 100
 120 13.2 9.5 14.3
 236 25.4 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: 91.854 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104366.D

Acq: 9 Apr 2018 12:39

Instrument :

BNA_F

ClientSampled :

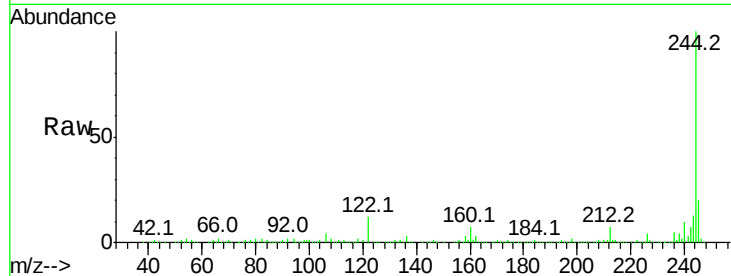
Tot Ion:244 Resp: 1052858

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

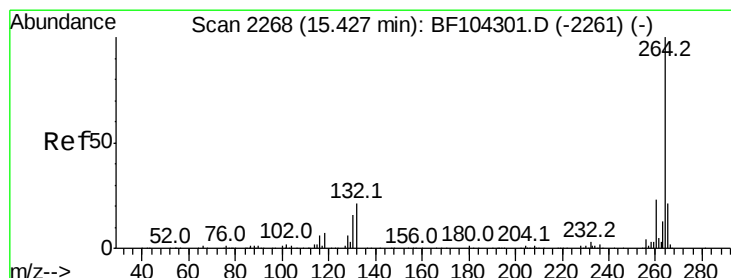
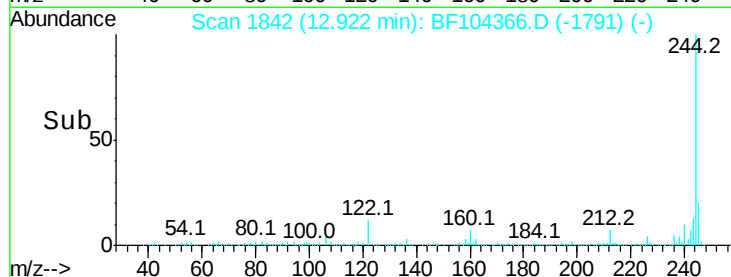
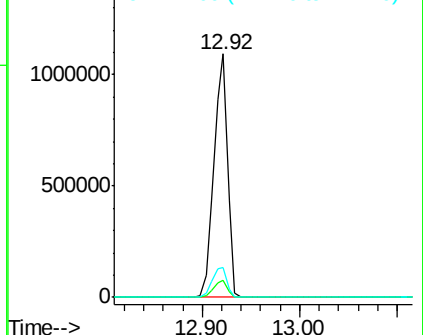
122 12.2 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.01 min

Lab File: BF104366.D

Acq: 9 Apr 2018 12:39

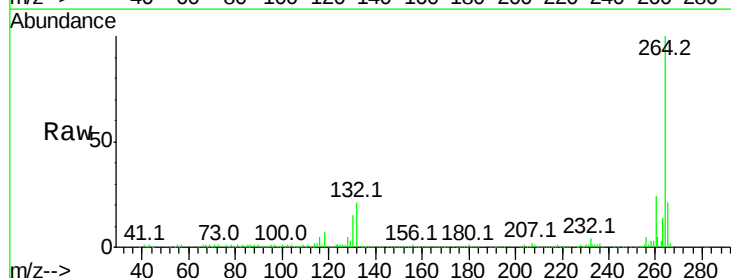
Tgt Ion:264 Resp: 285107

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.2 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

