

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104373.D
 Acq On : 9 Apr 2018 15:44
 Operator : JU/SJ
 Sample : J2104-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:16:33 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

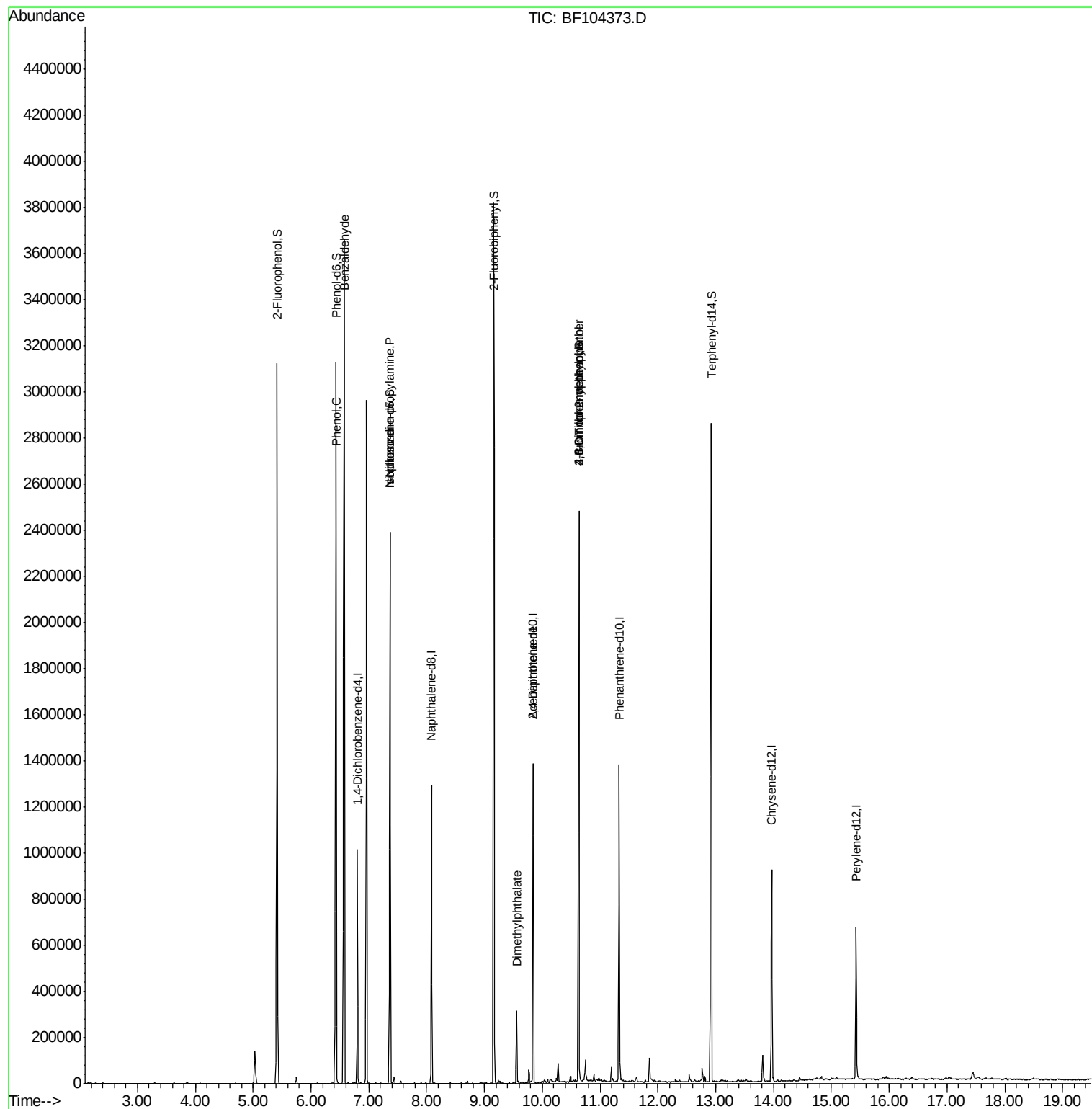
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	140727	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	571122	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	259014	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	440834	20.00	ng	0.00
75) Chrysene-d12	13.97	240	273927	20.00	ng	0.00
86) Perylene-d12	15.43	264	291824	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1141537	124.03	ng	0.02
7) Phenol-d6	6.43	99	1417404	125.34	ng	0.00
23) Nitrobenzene-d5	7.37	82	845243	96.64	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	327121	121.75	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1236642	75.42	ng	0.00
78) Terphenyl-d14	12.92	244	998823	83.13	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	24813	2.062	ng	82
10) Phenol	6.45	94	34645	2.887	ng	93
19) n-Nitroso-di-n-propylamine	7.37	70	110913	15.010	ng	# 74
25) Isophorone	7.37	82	844591	45.665	ng	# 64
49) Dimethylphthalate	9.56	163	117324	5.744	ng	99
56) 2,4-Dinitrotoluene	9.84	165	33909	6.840	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	684	7.617	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	19433	4.144	ng	# 1
76) Benzidine	12.92	184	13147	Below Cal		97

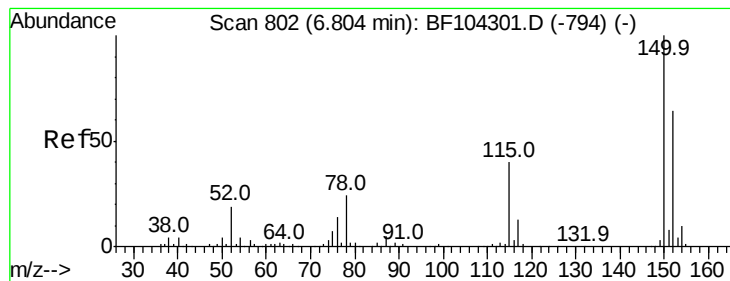
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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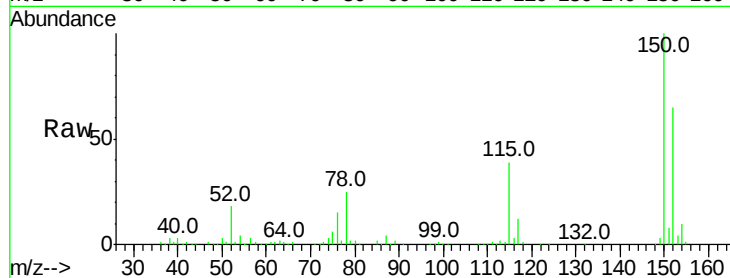


#1

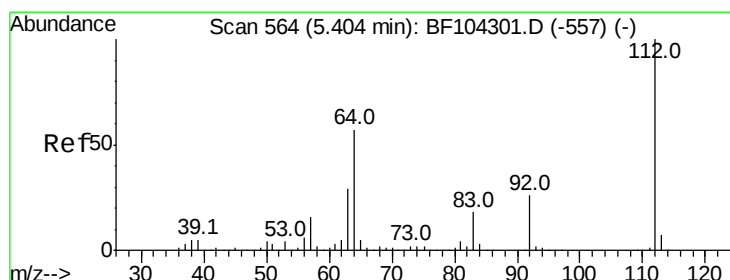
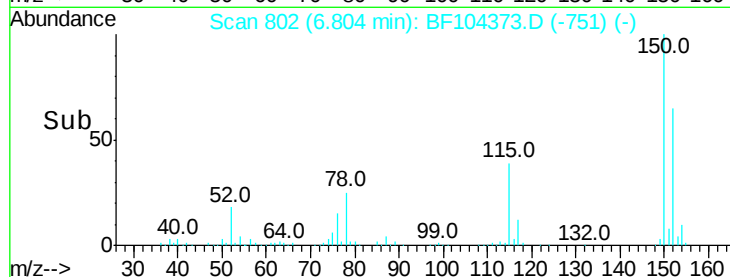
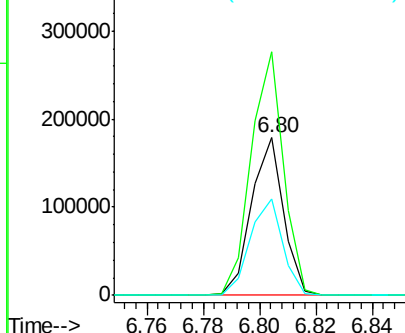
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104373.D
Acq: 9 Apr 2018 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 140727
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 60.8 50.1 75.1



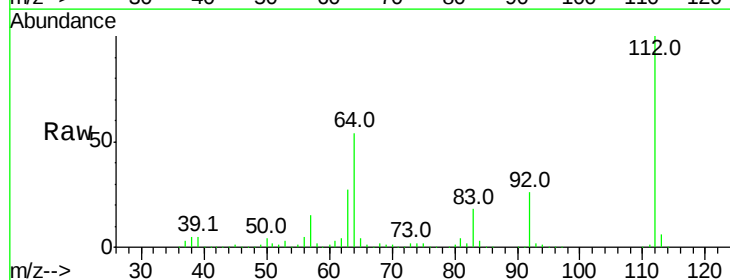
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



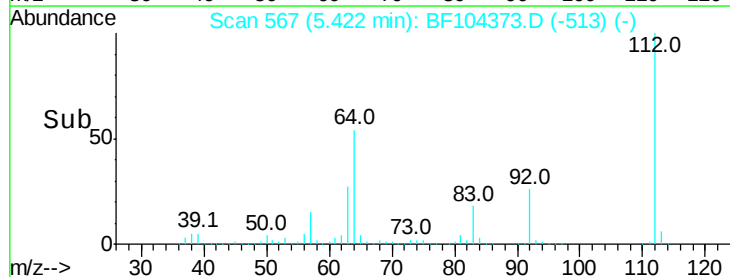
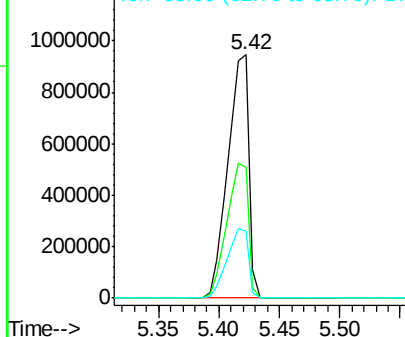
#5

2-Fluorophenol
Concen: 124.033 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF104373.D
Acq: 9 Apr 2018 15:44

Tgt Ion:112 Resp: 1141537
Ion Ratio Lower Upper
112 100
64 53.7 47.9 71.9
63 27.3 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: 125.344 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF104373.D

Acq: 9 Apr 2018 15:44

Instrument :

BNA_F

ClientSampled :

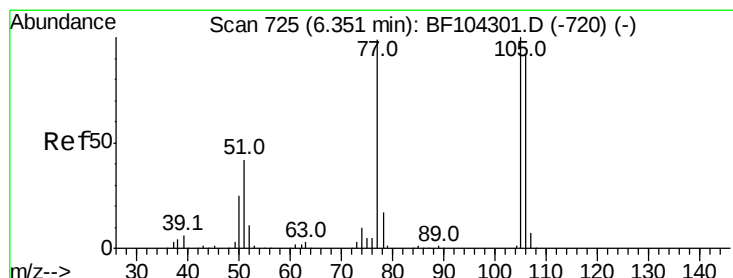
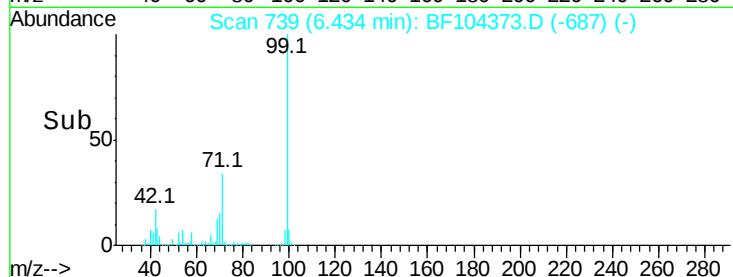
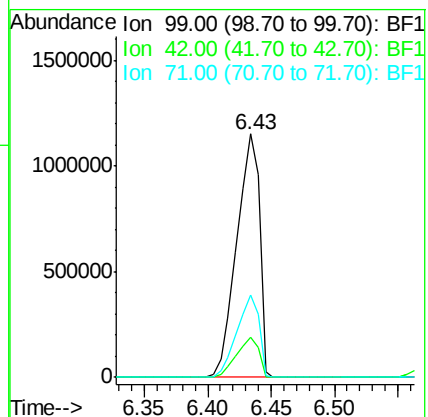
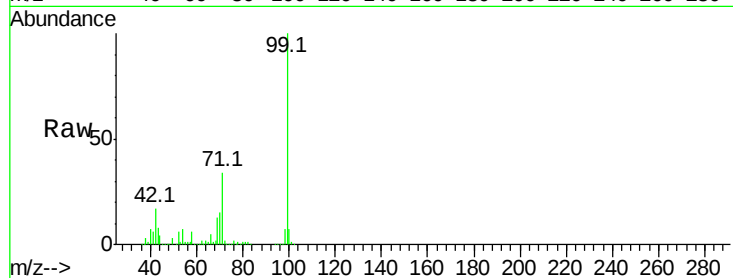
Tot Ion: 99 Resp: 1417404

Ion Ratio Lower Upper

99 100

42 16.7 14.5 21.7

71 34.0 25.4 38.0



#9

Benzaldehyde

Concen: 2.062 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.22 min

Lab File: BF104373.D

Acq: 9 Apr 2018 15:44

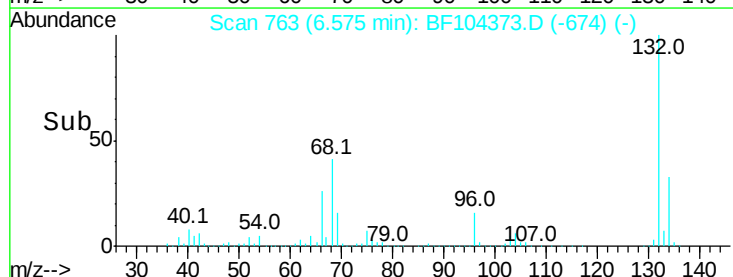
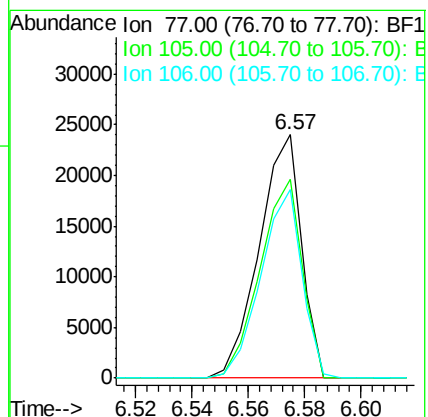
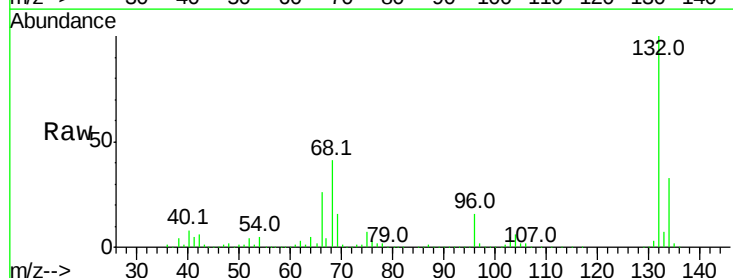
Tgt Ion: 77 Resp: 24813

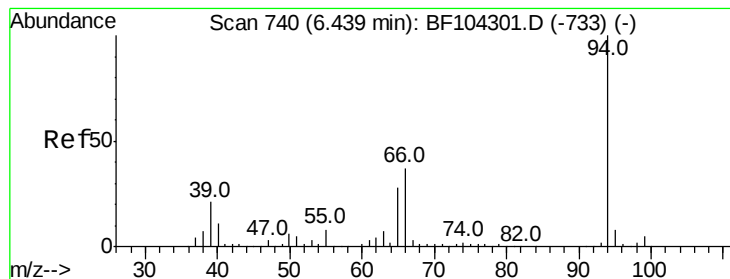
Ion Ratio Lower Upper

77 100

105 81.7 81.1 121.1

106 77.6 74.5 114.5





#10

Phenol

Concen: 2.887 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF104373.D

Acq: 9 Apr 2018 15:44

Instrument :

BNA_F

ClientSampleId :

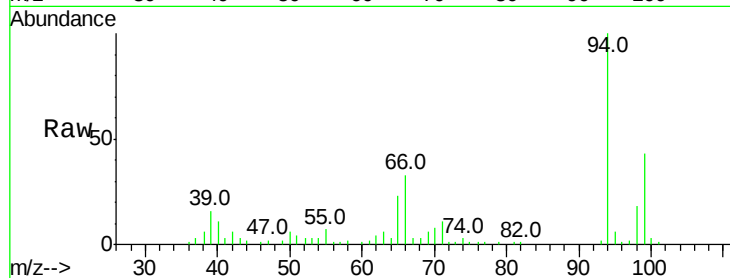
Tot Ion: 94 Resp: 34645

Ion Ratio Lower Upper

94 100

65 23.2 7.9 47.9

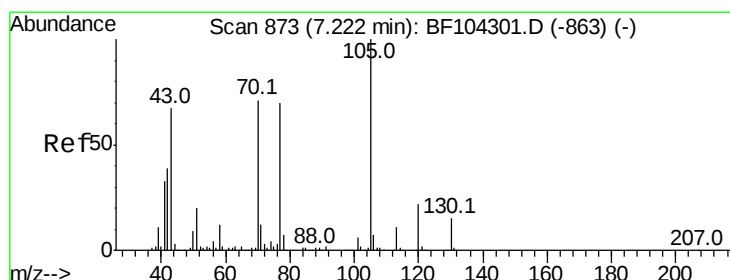
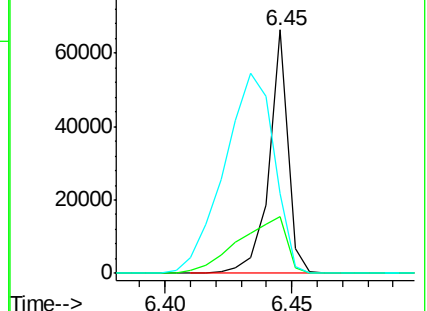
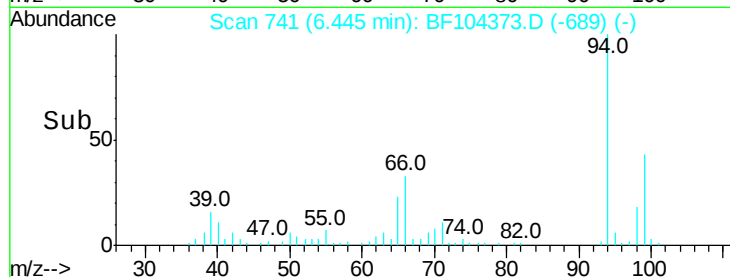
66 32.8 16.2 56.2



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: 15.010 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104373.D

Acq: 9 Apr 2018 15:44

Tgt Ion: 70 Resp: 110913

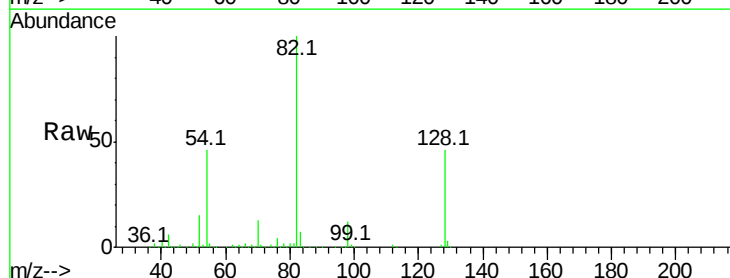
Ion Ratio Lower Upper

70 100

42 43.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

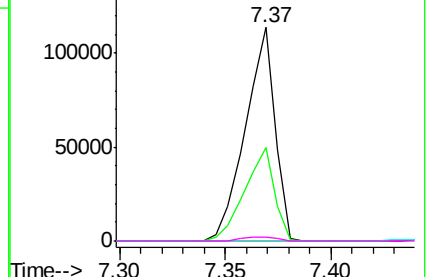
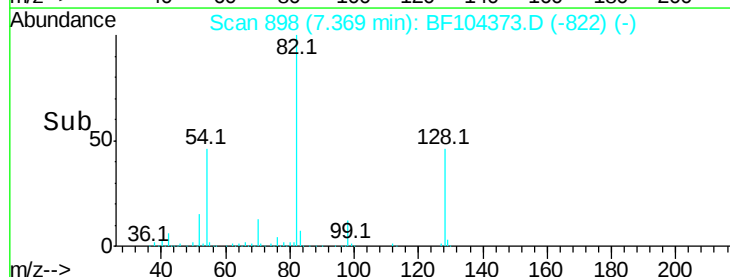


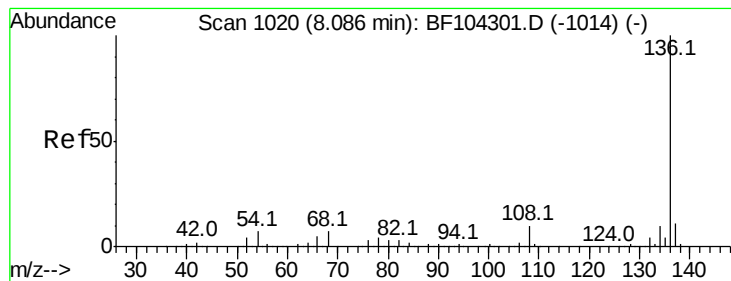
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF104373.D

Acq: 9 Apr 2018 15:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 571122

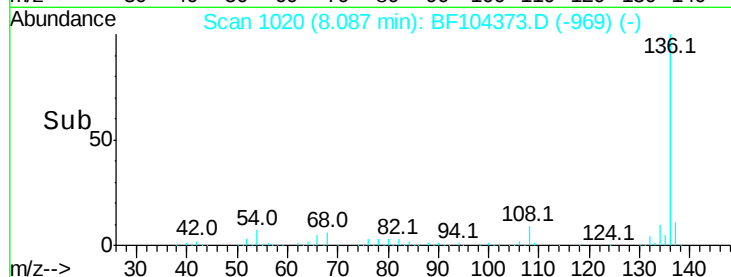
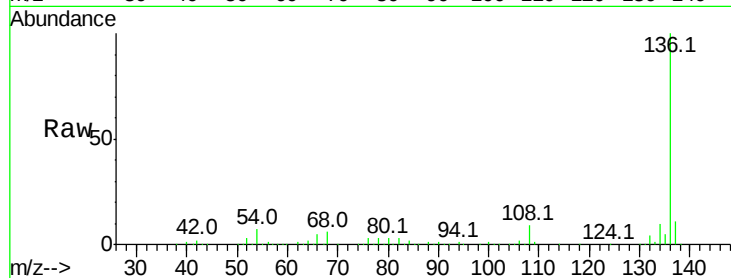
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.8 6.6 9.8

68 5.9 5.0 7.4

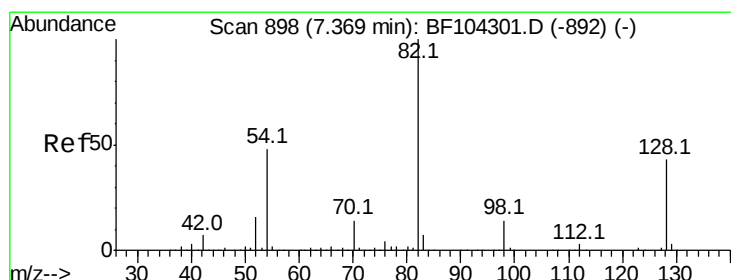
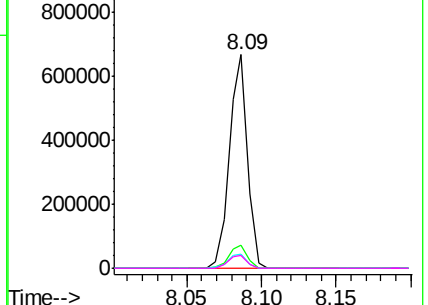


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.639 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.00 min

Lab File: BF104373.D

Acq: 9 Apr 2018 15:44

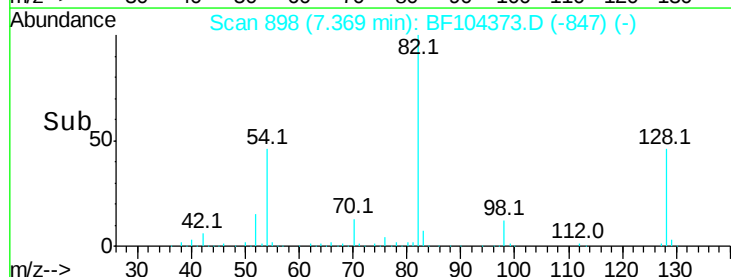
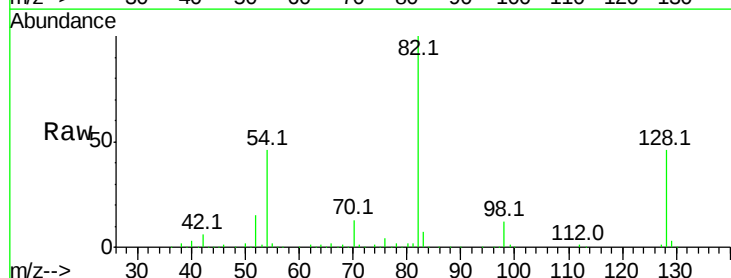
Tgt Ion: 82 Resp: 845243

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

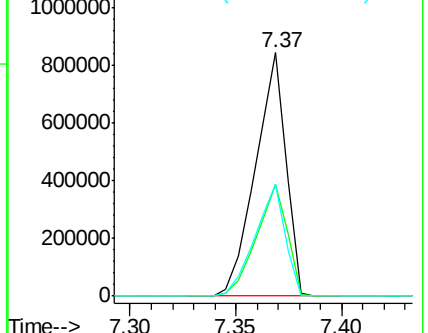
54 45.7 41.4 62.2

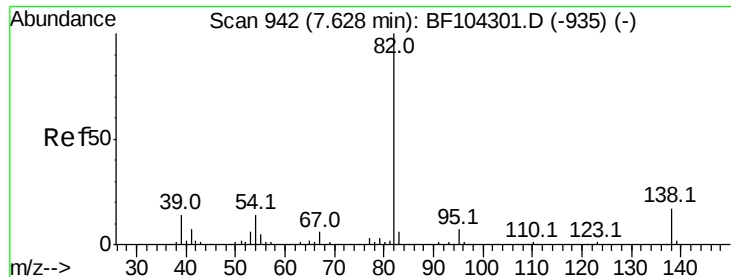


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.665 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104373.D

Acq: 9 Apr 2018 15:44

Instrument :

BNA_F

ClientSampleId :

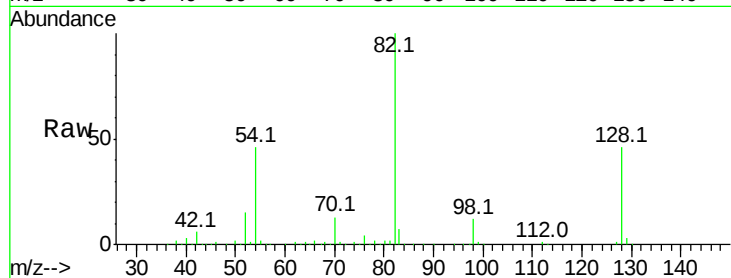
Tot Ion: 82 Resp: 844591

Ion Ratio Lower Upper

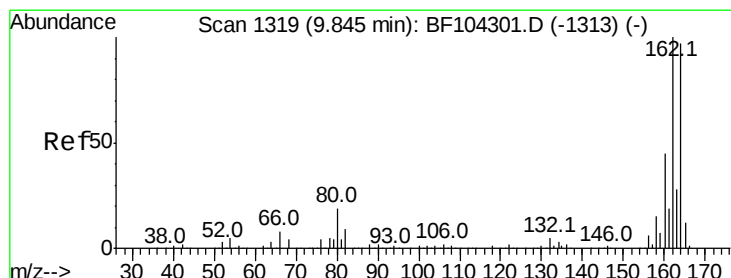
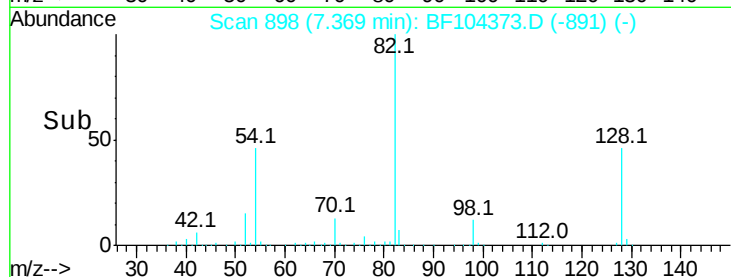
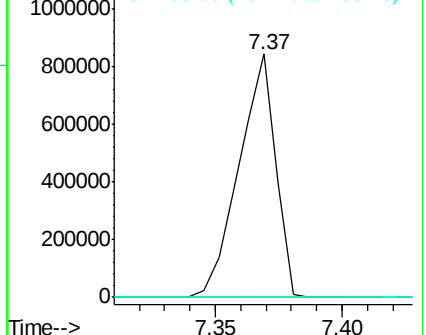
82 100

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: BF104373.D

Acq: 9 Apr 2018 15:44

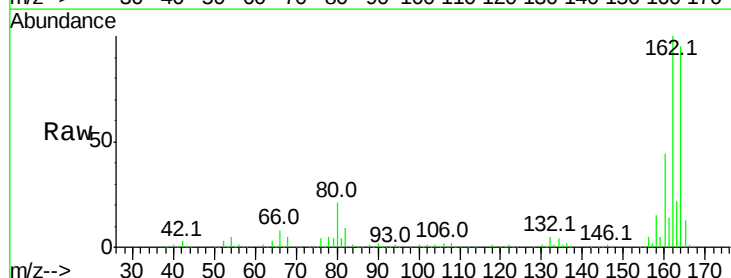
Tgt Ion: 164 Resp: 259014

Ion Ratio Lower Upper

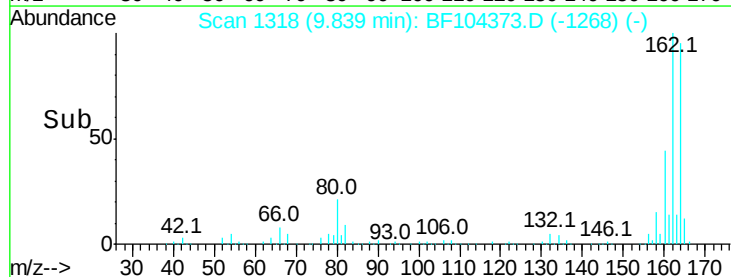
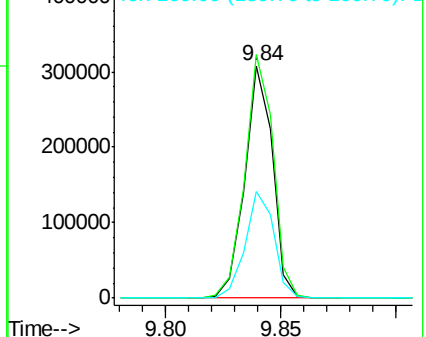
164 100

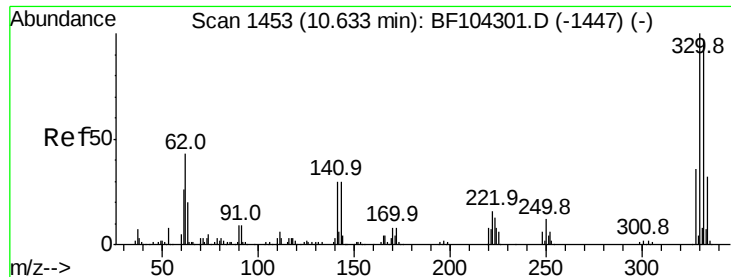
162 104.9 86.1 129.1

160 45.9 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

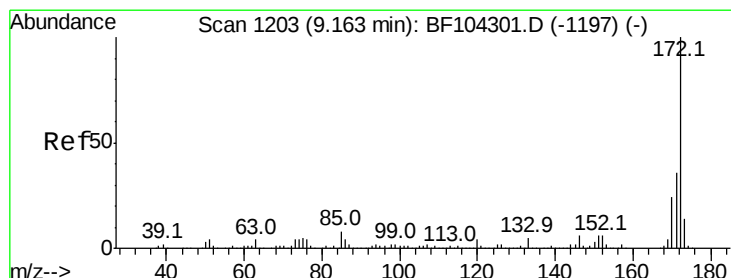
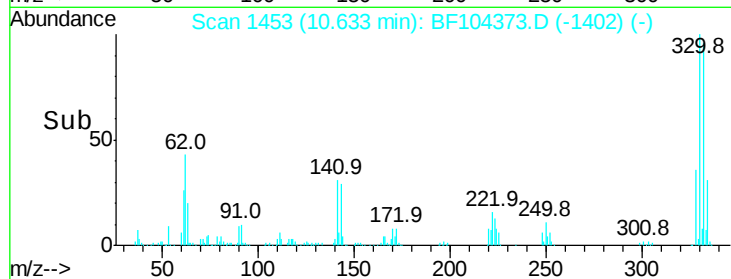
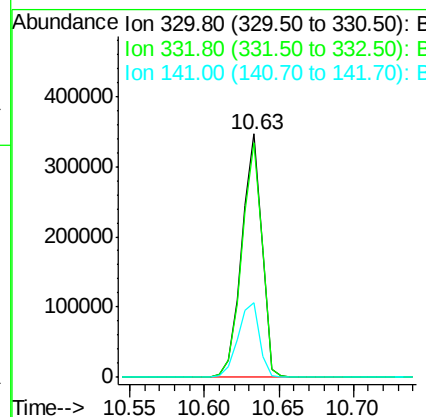
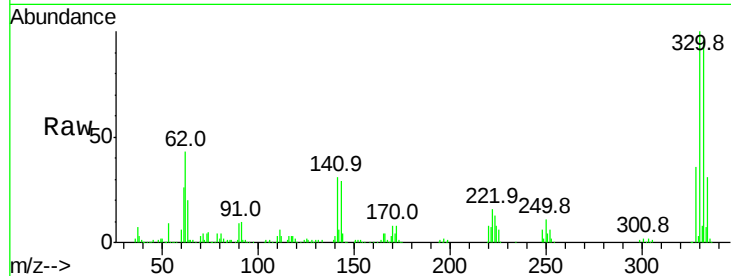




#41
 2,4,6-Tribromophenol
 Concen: 121.750 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104373.D
 Acq: 9 Apr 2018 15:44

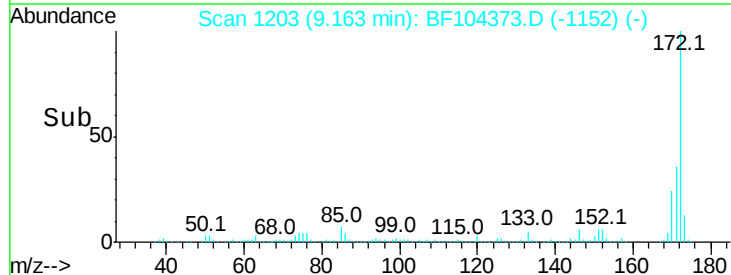
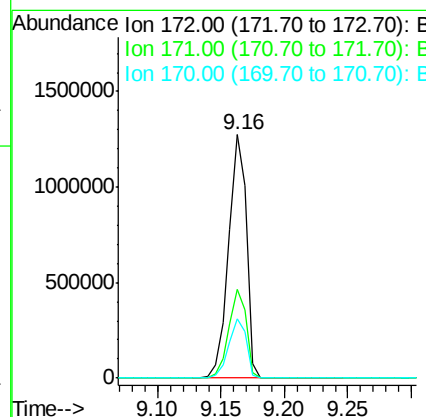
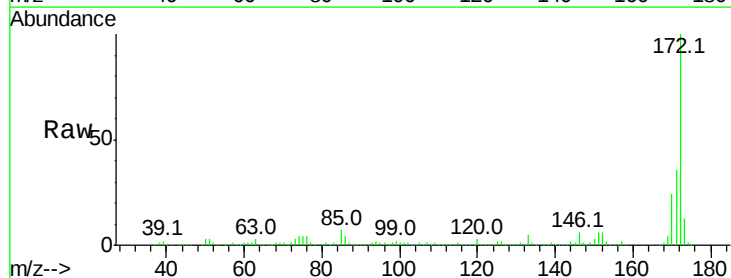
Instrument :
 BNA_F
 ClientSampleId :

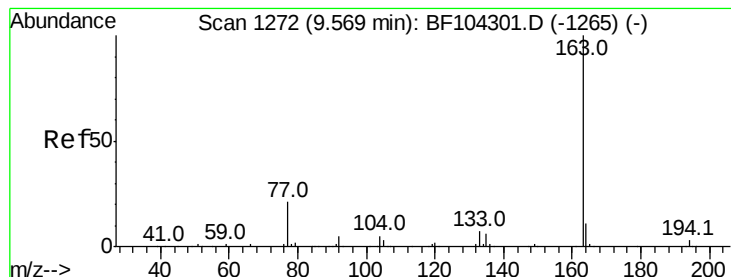
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	32.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 75.424 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104373.D
 Acq: 9 Apr 2018 15:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.1	19.6	29.4





#49

Dimethylphthalate

Concen: 5.744 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104373.D

Acq: 9 Apr 2018 15:44

Instrument :

BNA_F

ClientSampleId :

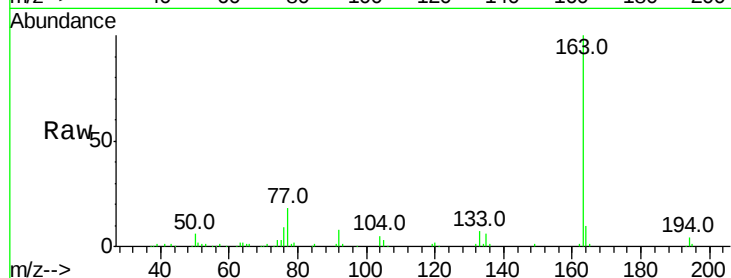
Tot Ion:163 Resp: 117324

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

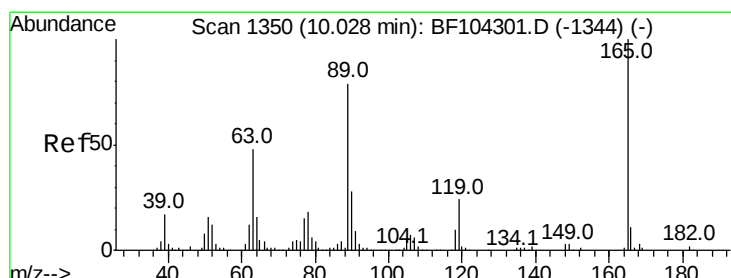
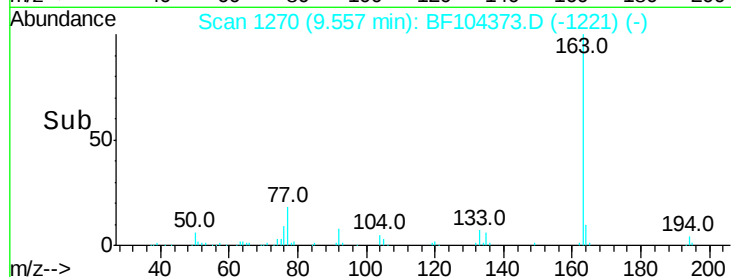
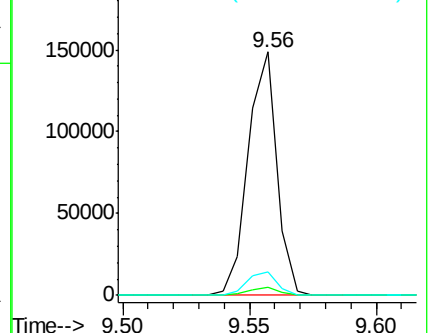
164 9.8 8.2 12.2



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: 6.840 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.19 min

Lab File: BF104373.D

Acq: 9 Apr 2018 15:44

Tgt Ion:165 Resp: 33909

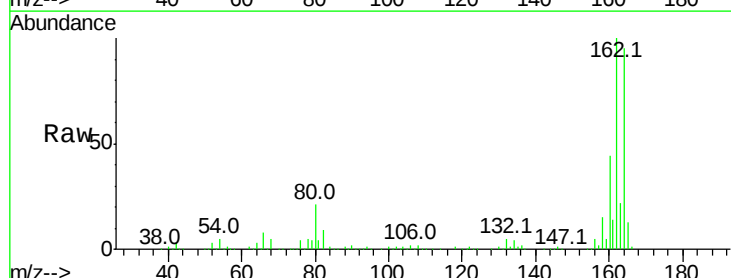
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

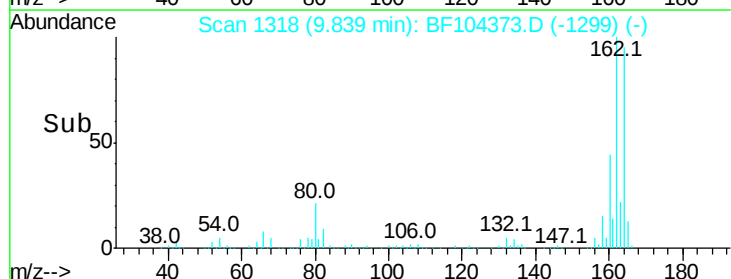
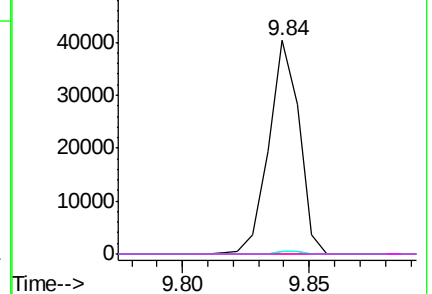


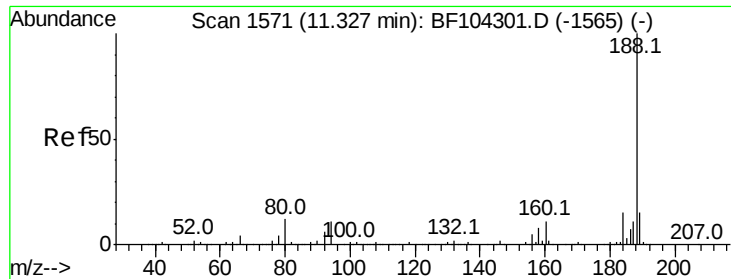
Abundance Ion 165.00 (164.70 to 165.70): E

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

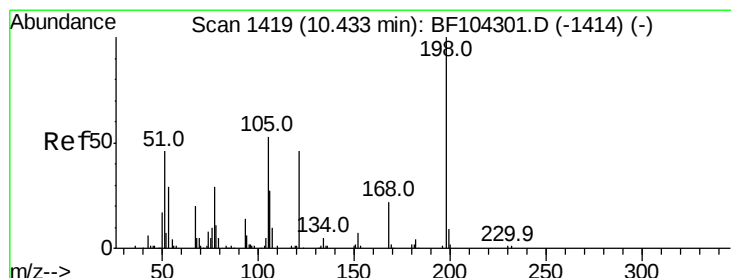
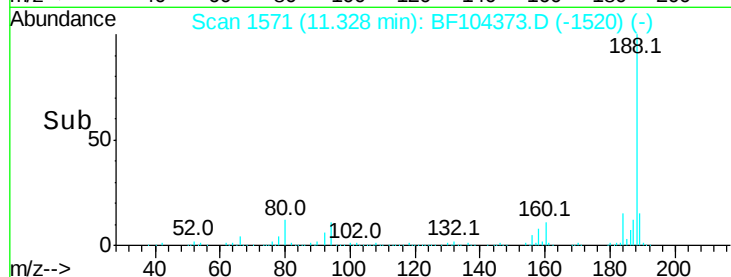
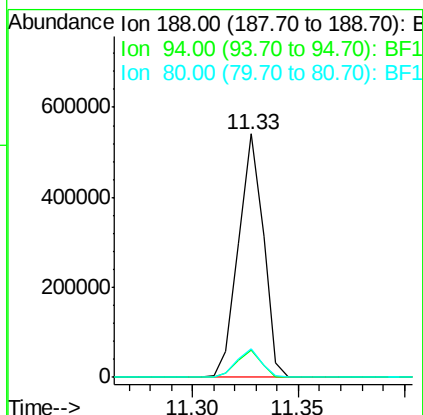
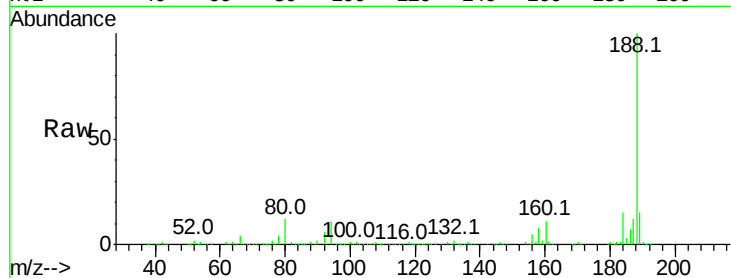




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF104373.D
Acq: 9 Apr 2018 15:44

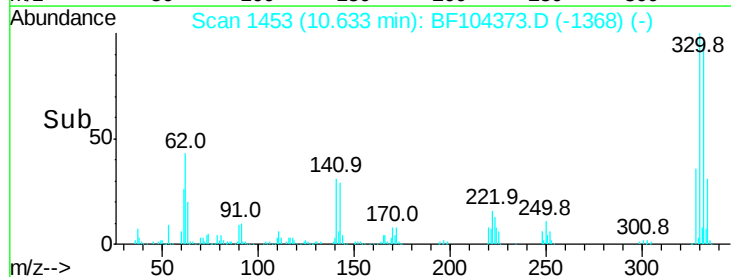
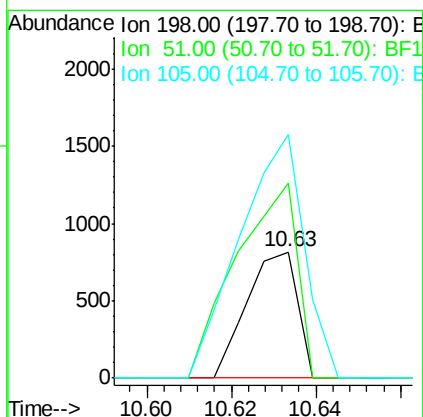
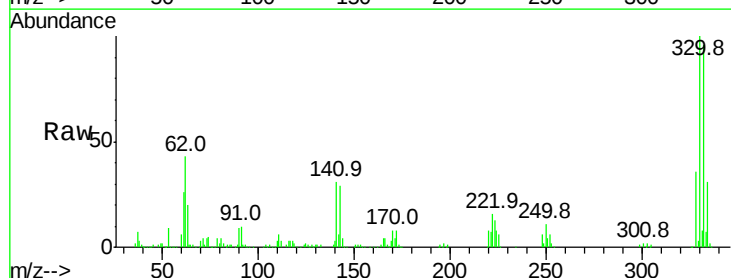
Instrument :
BNA_F
ClientSampleId :

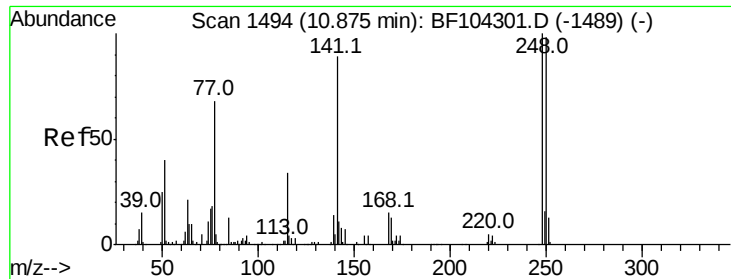
Tot Ion:188 Resp: 440834
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 11.9 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.617 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.20 min
Lab File: BF104373.D
Acq: 9 Apr 2018 15:44

Tgt Ion:198 Resp: 684
Ion Ratio Lower Upper
198 100
51 154.9 37.7 77.7#
105 193.0 36.3 76.3#

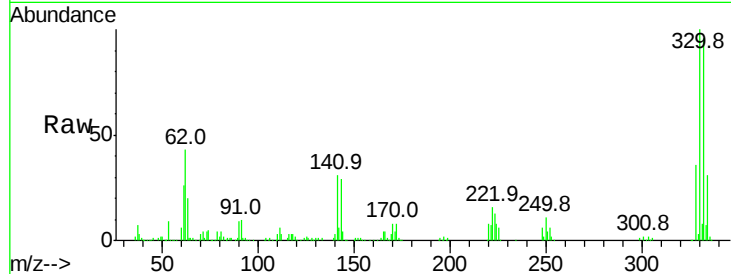




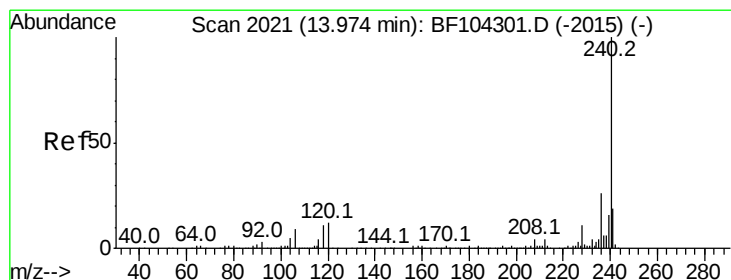
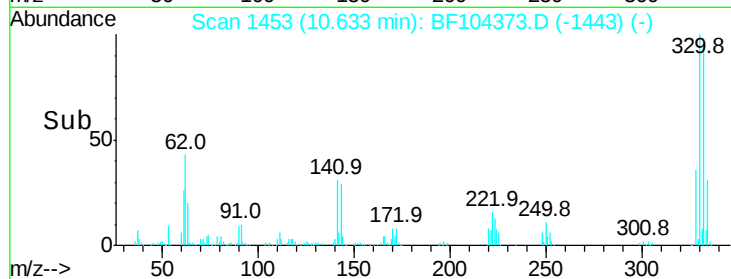
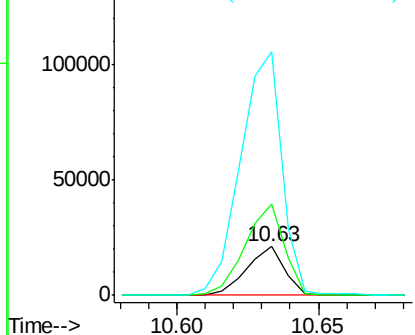
#66
 4-Bromophenyl-phenylether
 Concen: 4.144 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104373.D
 Acq: 9 Apr 2018 15:44

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 19433
 Ion Ratio Lower Upper
 248 100
 250 188.9 76.9 115.3#
 141 501.7 74.4 111.6#

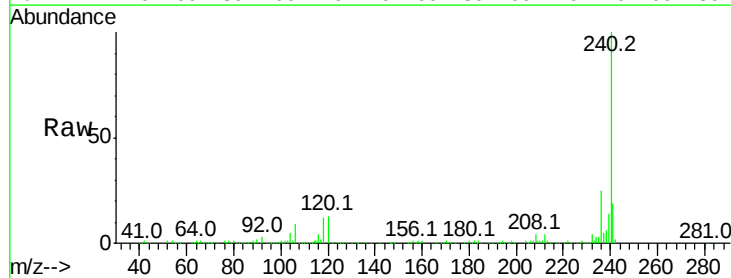


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

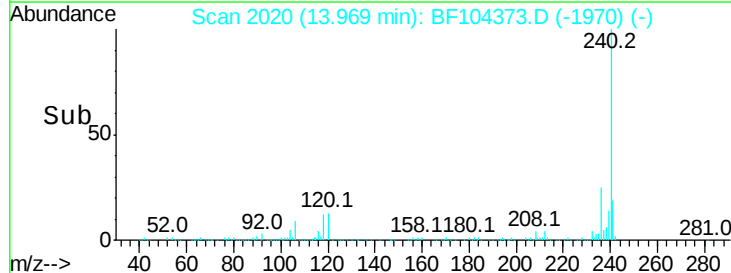
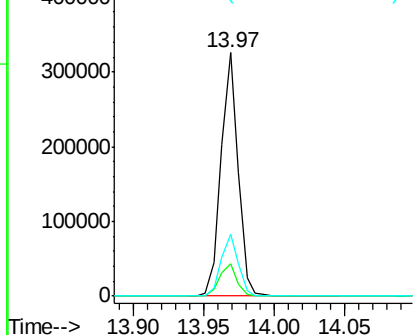


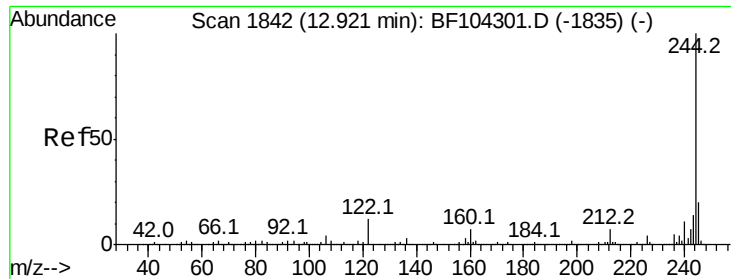
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104373.D
 Acq: 9 Apr 2018 15:44

Tgt Ion:240 Resp: 273927
 Ion Ratio Lower Upper
 240 100
 120 13.2 9.5 14.3
 236 25.3 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: 83.130 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104373.D

Acq: 9 Apr 2018 15:44

Instrument :

BNA_F

ClientSampled :

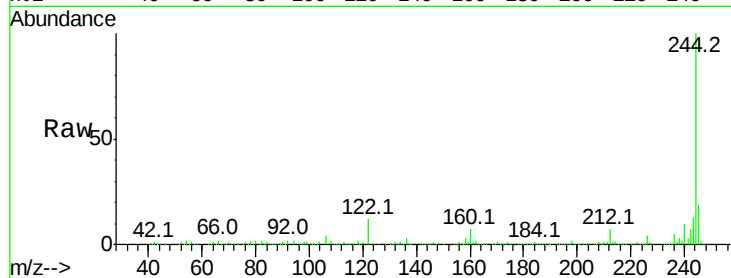
Tot Ion:244 Resp: 998823

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

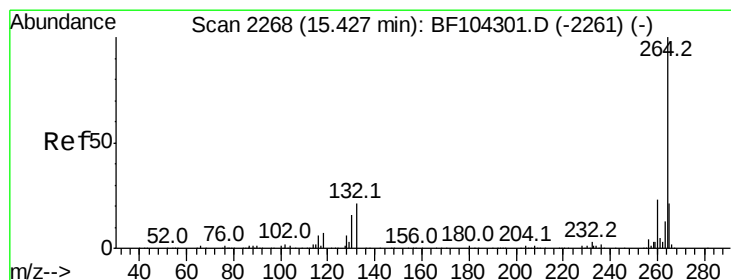
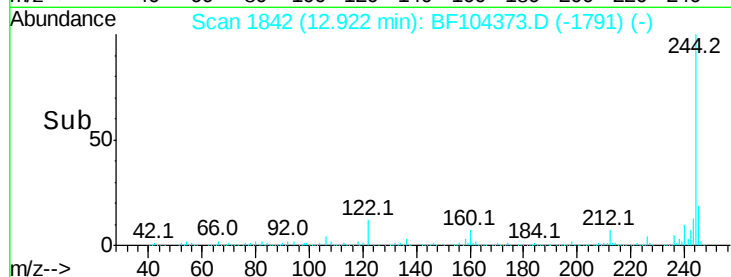
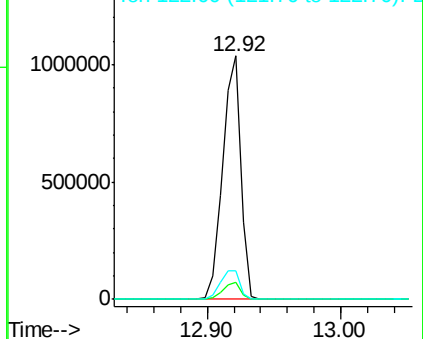
122 11.7 11.0 16.4



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# 2268

Delta R.T. 0.00 min

Lab File: BF104373.D

Acq: 9 Apr 2018 15:44

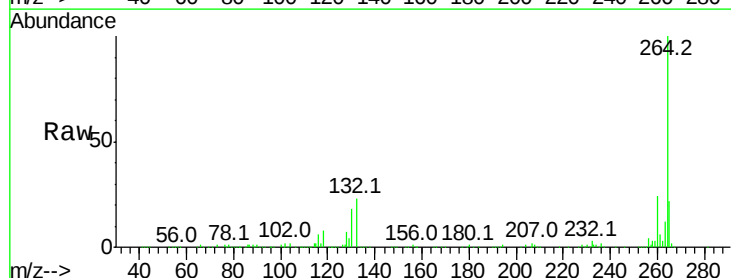
Tgt Ion:264 Resp: 291824

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.2 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

