

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104370.D
 Acq On : 9 Apr 2018 14:24
 Operator : JU/SJ
 Sample : J2256-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:15:18 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	134256	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	546326	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	250791	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	421911	20.00	ng	0.00
75) Chrysene-d12	13.97	240	254921	20.00	ng	0.00
86) Perylene-d12	15.43	264	280622	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1106109	125.98	ng	0.01
7) Phenol-d6	6.43	99	1370315	127.02	ng	0.00
23) Nitrobenzene-d5	7.37	82	829312	99.12	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	321520	123.59	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1318030	83.02	ng	0.00
78) Terphenyl-d14	12.92	244	1066029	95.34	ng	0.00

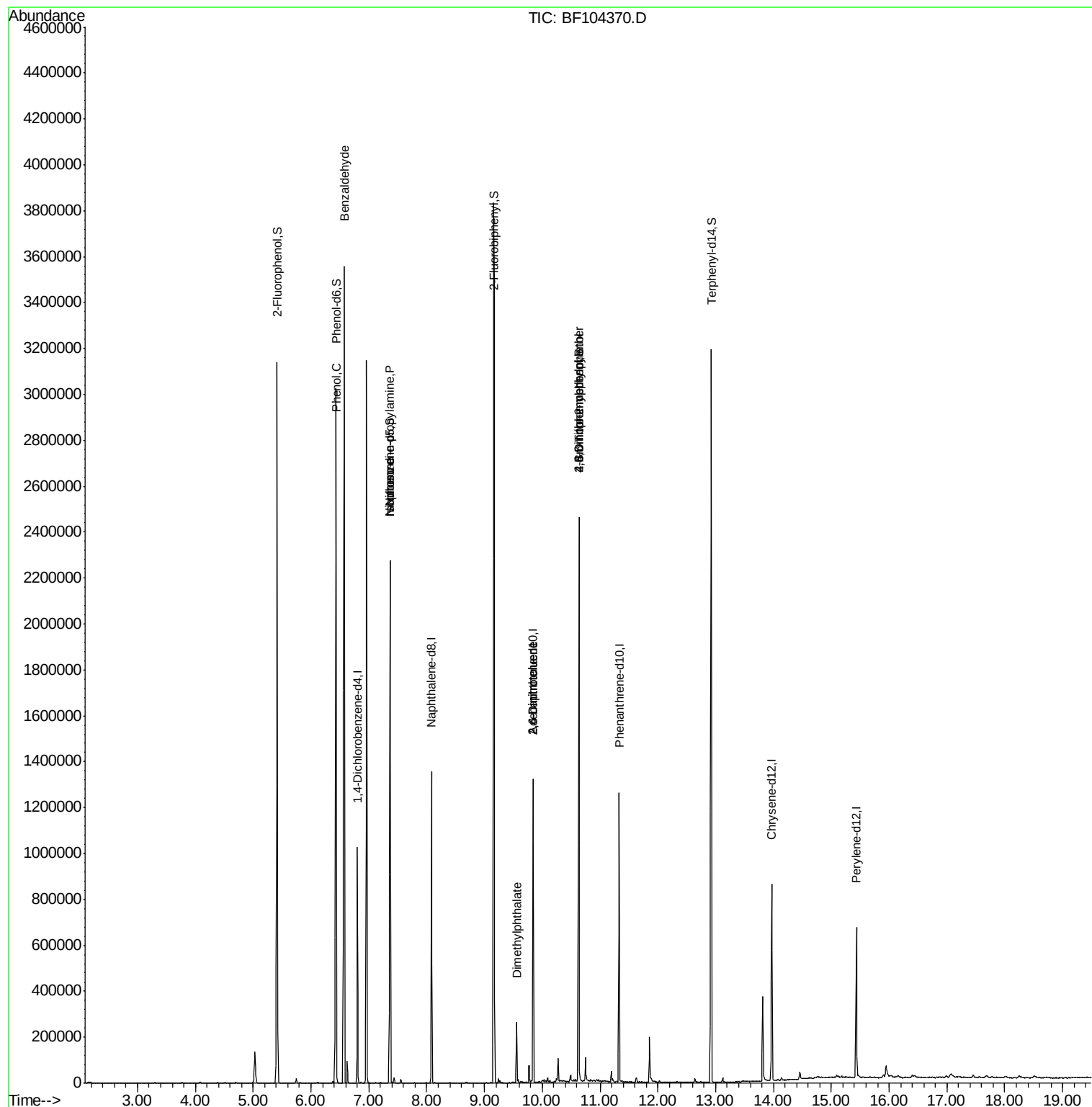
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	24117	2.130	ng	82
10) Phenol	6.45	94	33091	2.891	ng	95
19) n-Nitroso-di-n-propylamine	7.37	70	107845	15.298	ng	# 76
25) Isophorone	7.37	82	829001	46.856	ng	# 64
49) Dimethylphthalate	9.56	163	95335	4.821	ng	99
50) 2,6-Dinitrotoluene	9.84	165	32179	8.793	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	32179	6.704	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	647	7.614	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	18961	4.225	ng	# 1
76) Benzidine	12.92	184	14164	Below Cal		97

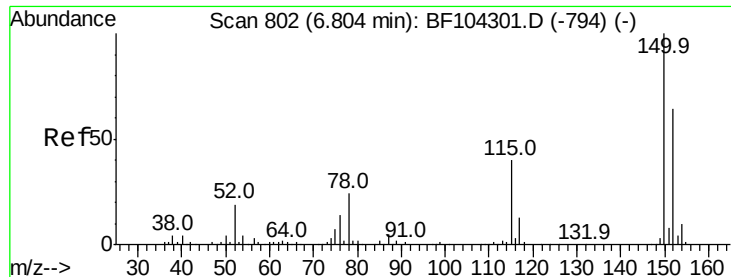
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF104370.D

Acq: 9 Apr 2018 14:24

Instrument :
BNA_F
ClientSampleId :

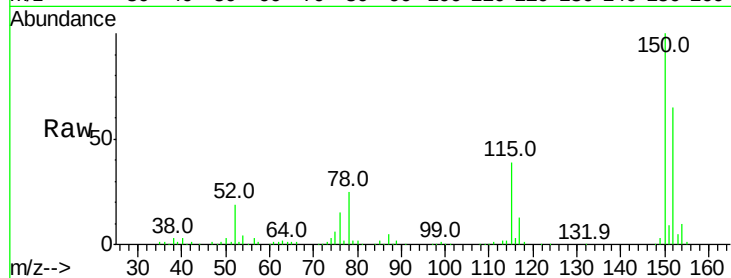
Tot Ion:152 Resp: 134256

Ion Ratio Lower Upper

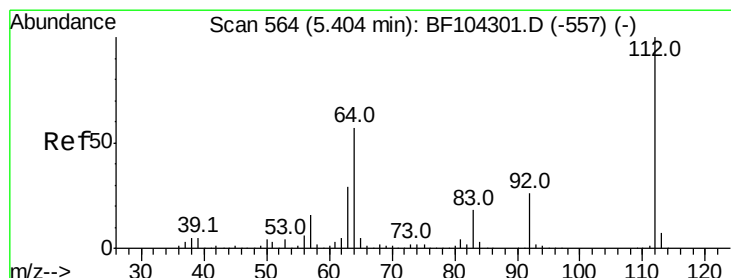
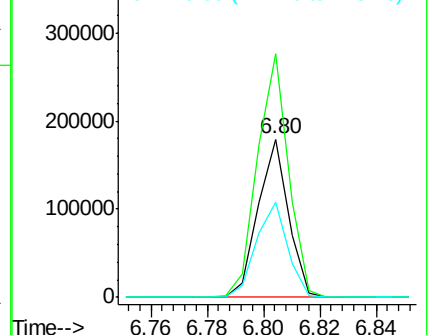
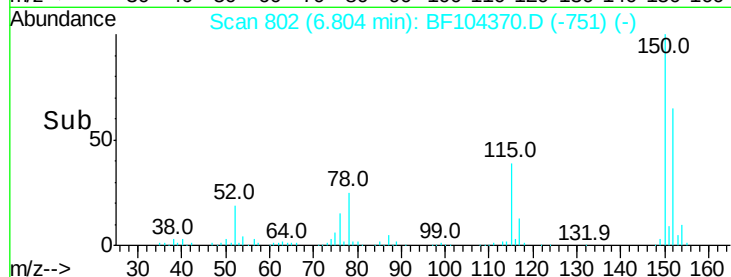
152 100

150 153.8 124.6 186.8

115 60.5 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: 125.976 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.01 min

Lab File: BF104370.D

Acq: 9 Apr 2018 14:24

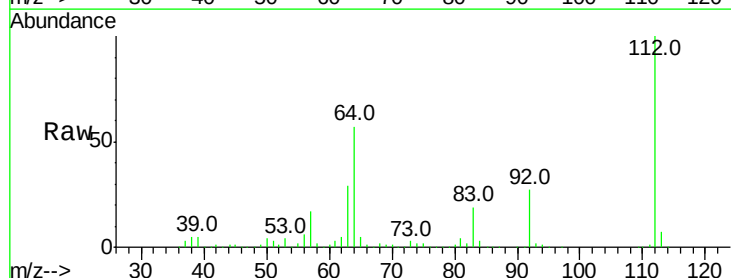
Tgt Ion:112 Resp: 1106109

Ion Ratio Lower Upper

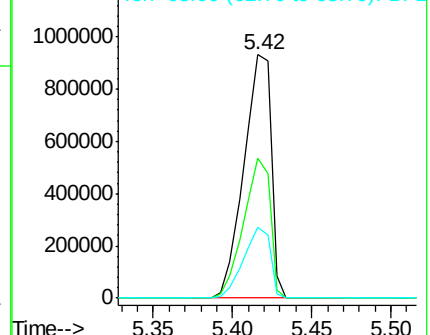
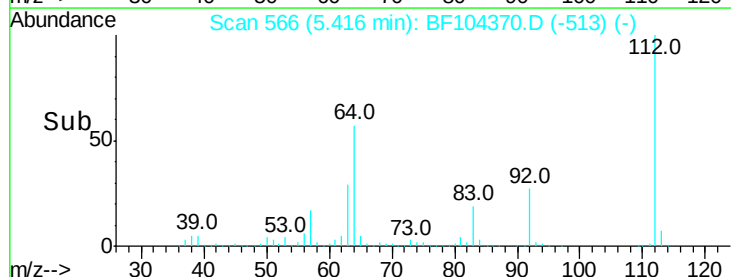
112 100

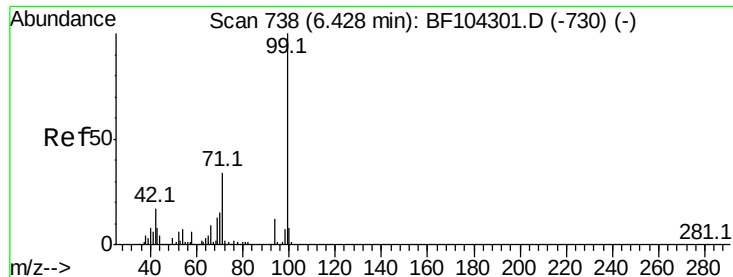
64 57.2 47.9 71.9

63 29.1 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: 127.020 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF104370.D

Acq: 9 Apr 2018 14:24

Instrument :

BNA_F

ClientSampled :

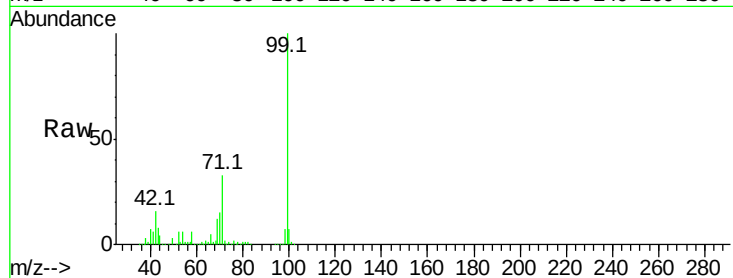
Tot Ion: 99 Resp: 1370315

Ion Ratio Lower Upper

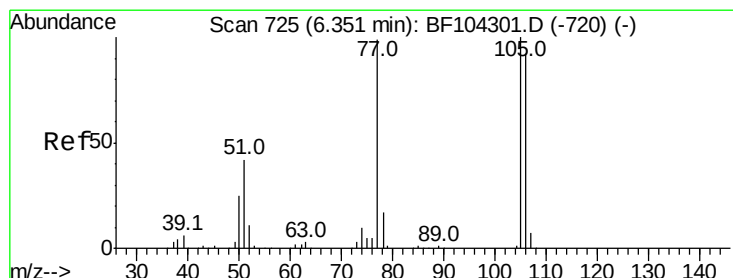
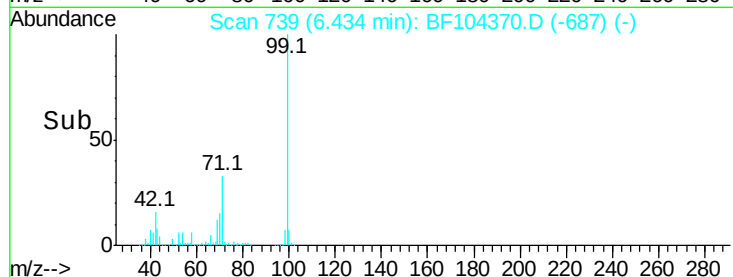
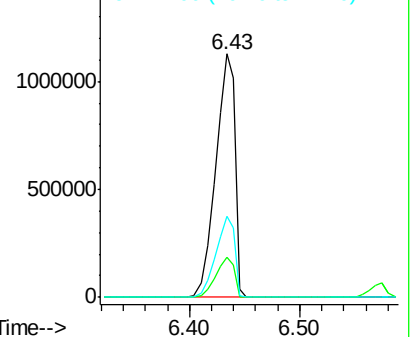
99 100

42 16.4 14.5 21.7

71 33.2 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



#9

Benzaldehyde

Concen: 2.130 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.22 min

Lab File: BF104370.D

Acq: 9 Apr 2018 14:24

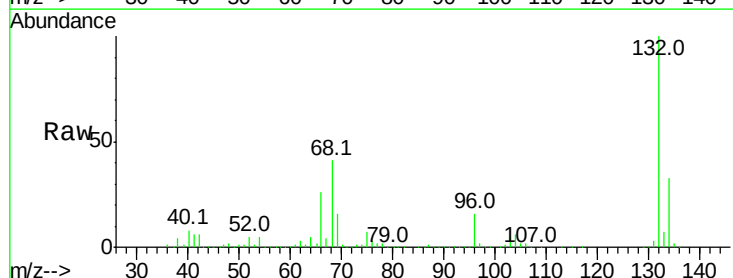
Tgt Ion: 77 Resp: 24117

Ion Ratio Lower Upper

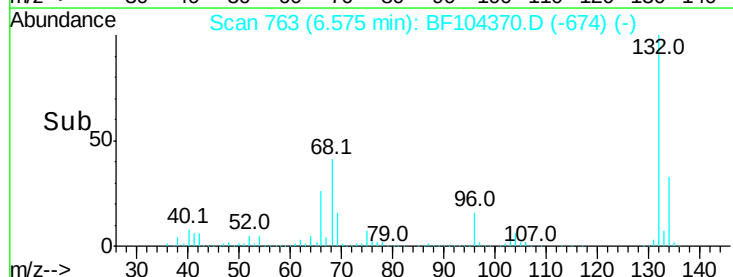
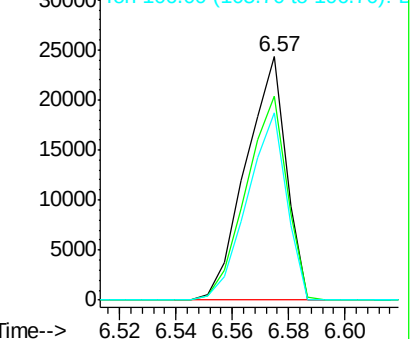
77 100

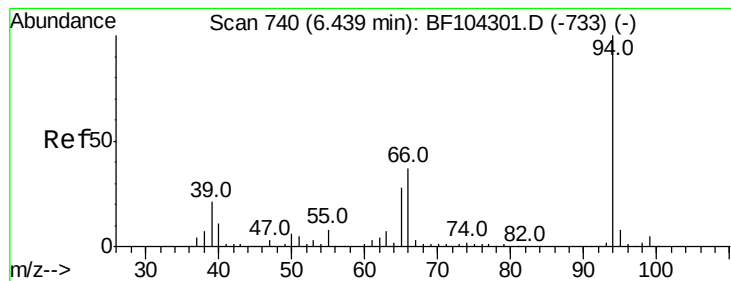
105 83.7 81.1 121.1

106 77.0 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.891 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF104370.D

Acq: 9 Apr 2018 14:24

Instrument :

BNA_F

ClientSampled :

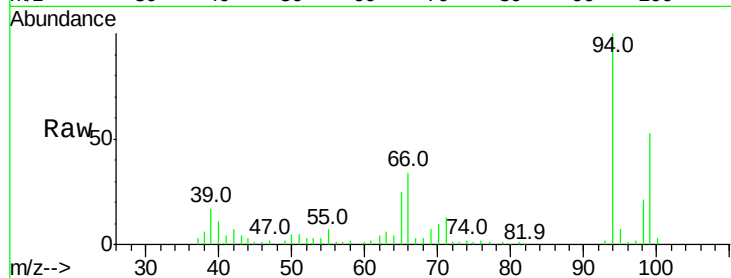
Tot Ion: 94 Resp: 33091

Ion Ratio Lower Upper

94 100

65 24.7 7.9 47.9

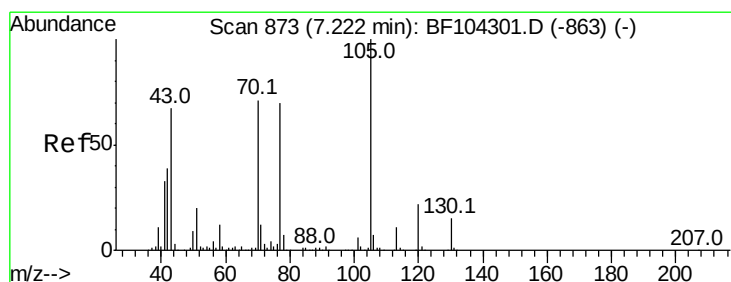
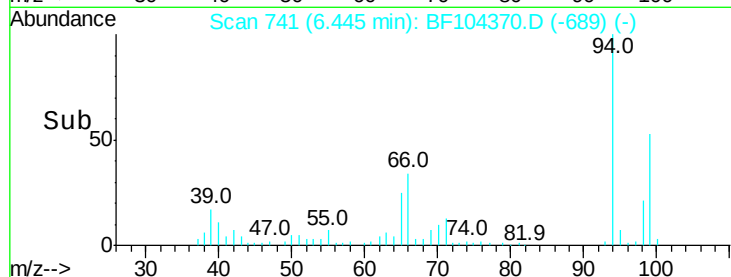
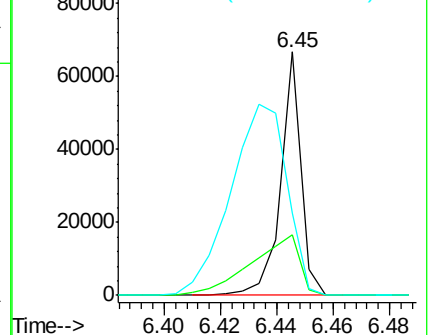
66 33.6 16.2 56.2



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: 15.298 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104370.D

Acq: 9 Apr 2018 14:24

Tgt Ion: 70 Resp: 107845

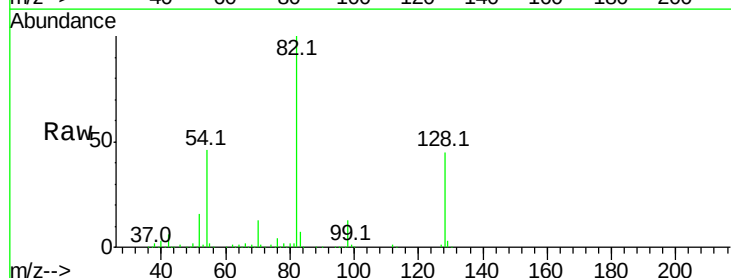
Ion Ratio Lower Upper

70 100

42 45.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

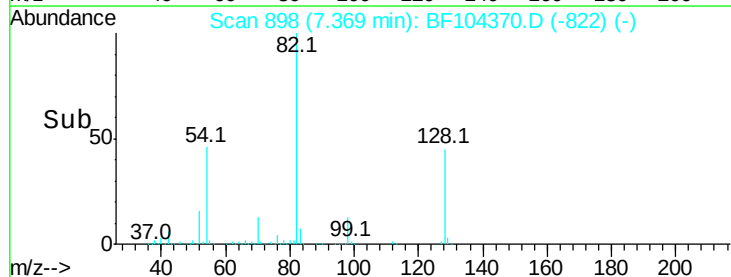
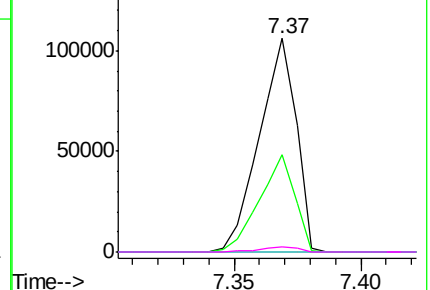


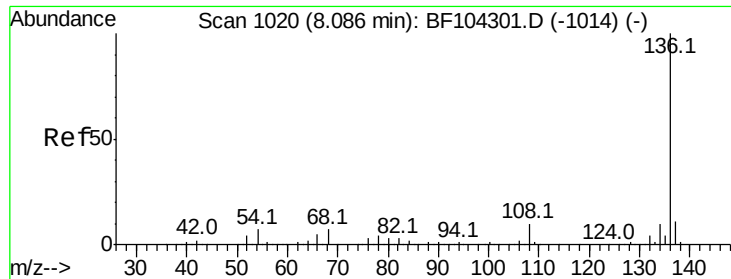
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

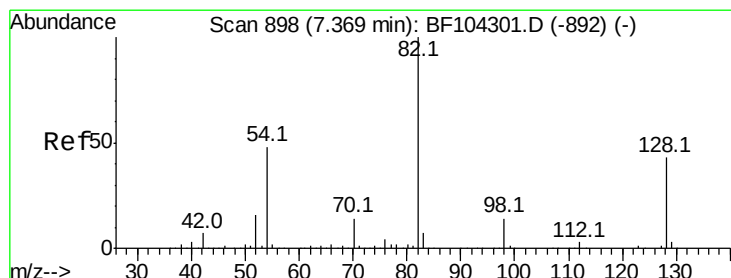
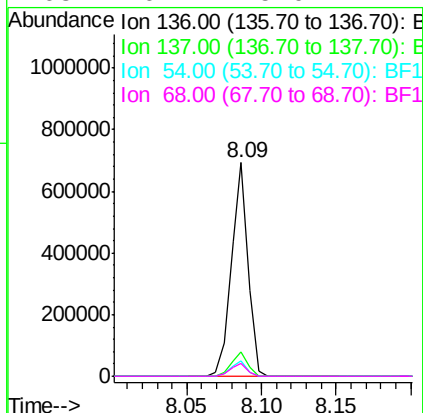
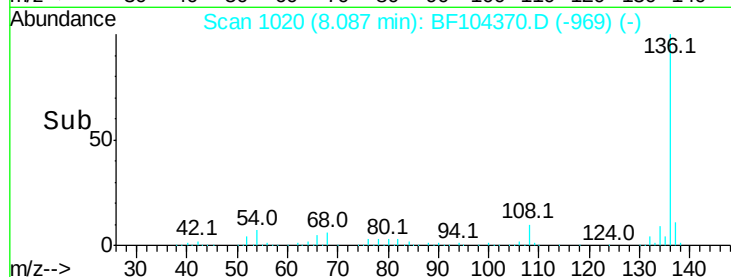
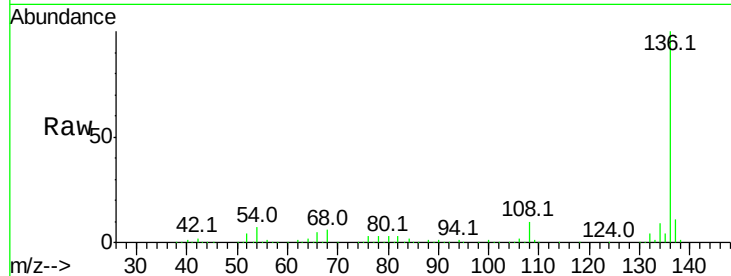




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104370.D
Acq: 9 Apr 2018 14:24

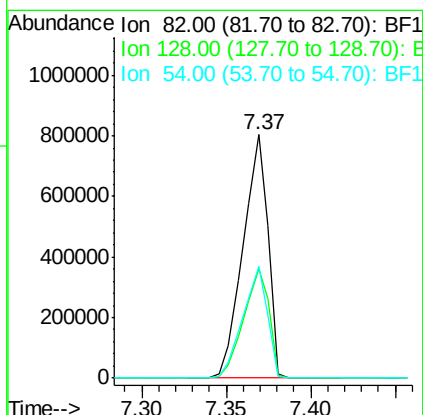
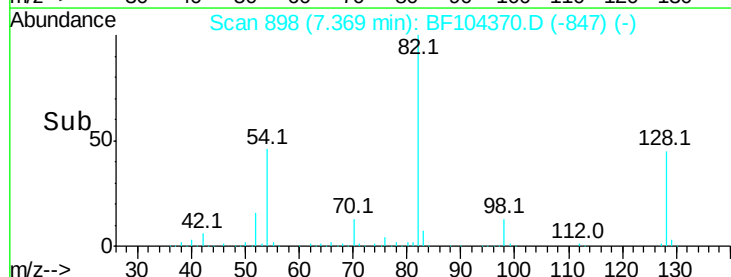
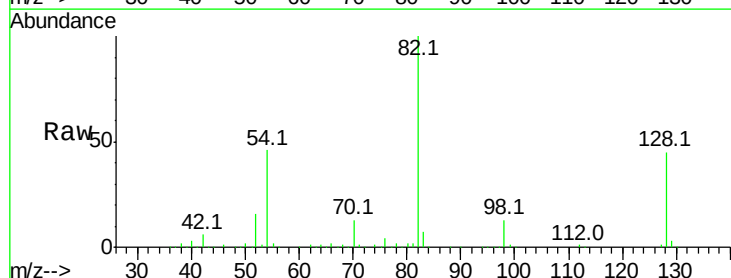
Instrument :
BNA_F
ClientSampleId :

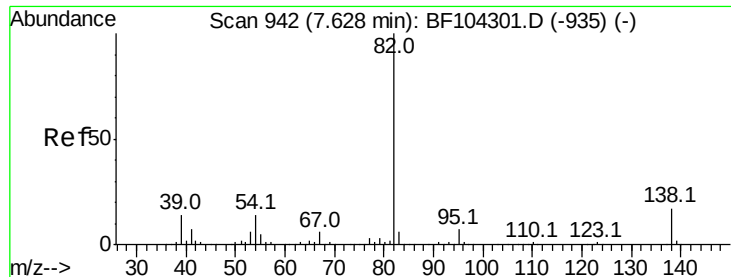
Tot Ion:	136	Resp:	546326
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.9	6.6	9.8
68	6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 99.121 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF104370.D
Acq: 9 Apr 2018 14:24

Tgt Ion:	82	Resp:	829312
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	46.1	41.4	62.2





#25

Isophorone

Concen: 46.856 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104370.D

Acq: 9 Apr 2018 14:24

Instrument :

BNA_F

ClientSampleId :

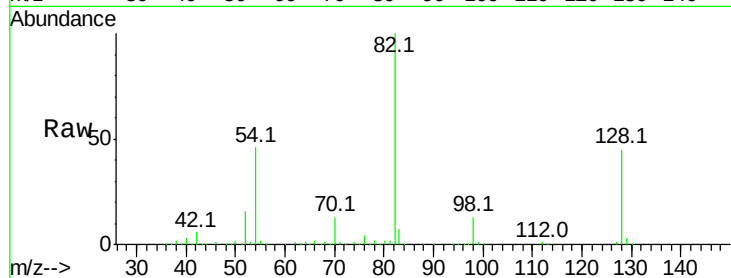
Tot Ion: 82 Resp: 829001

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

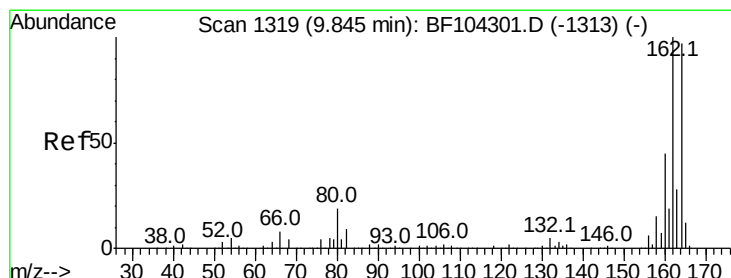
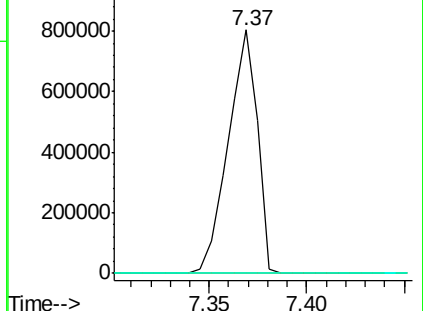
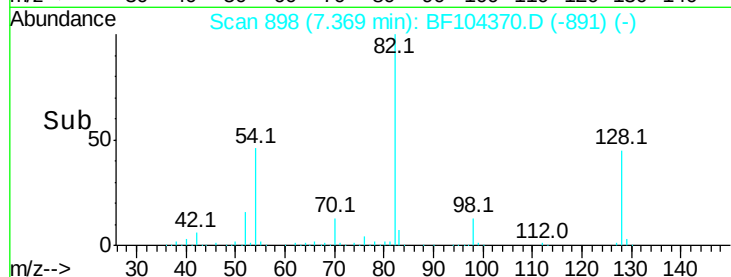
138 0.0 14.9 22.3#



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: BF104370.D

Acq: 9 Apr 2018 14:24

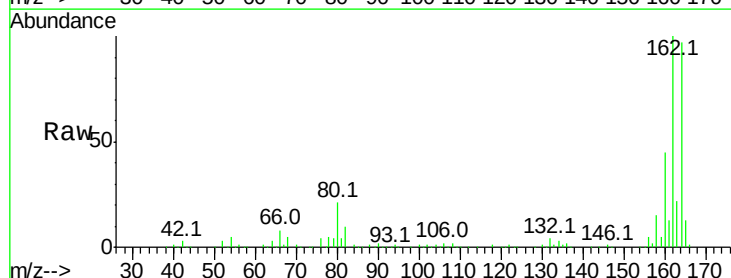
Tgt Ion: 164 Resp: 250791

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

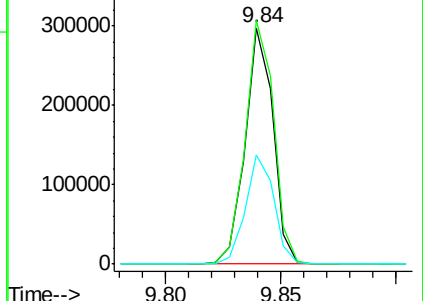
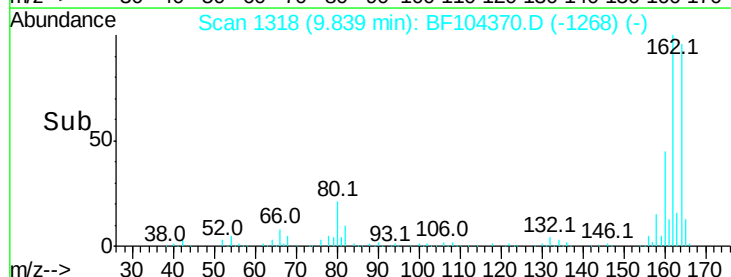
160 46.0 38.3 57.5

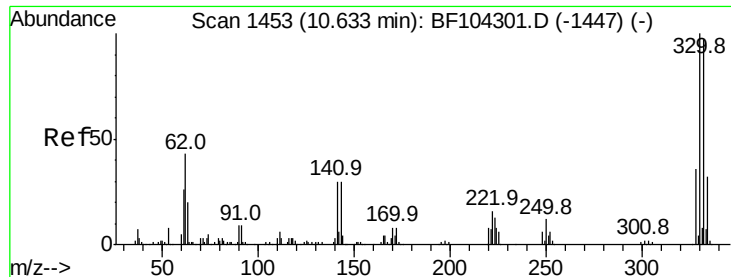


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

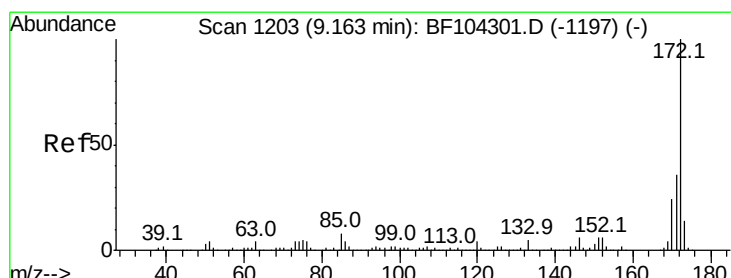
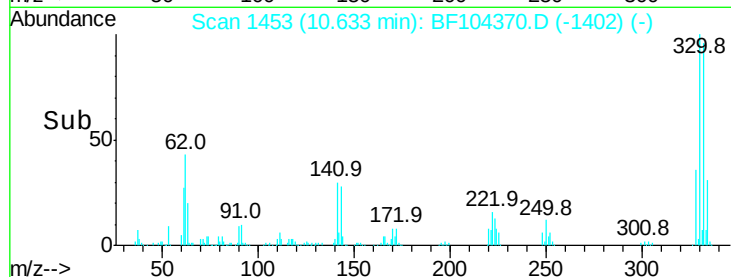
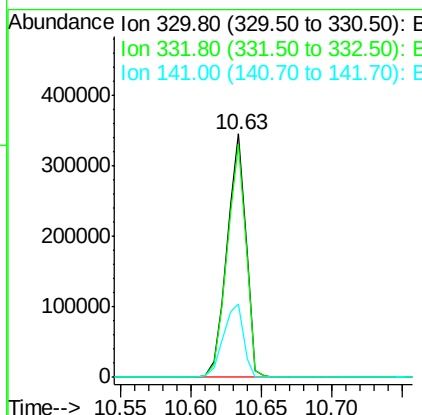
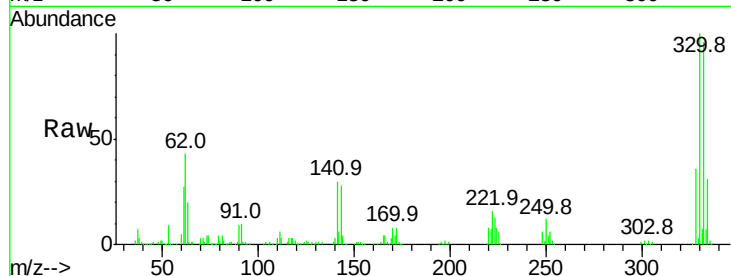




#41
 2,4,6-Tribromophenol
 Concen: 123.589 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104370.D
 Acq: 9 Apr 2018 14:24

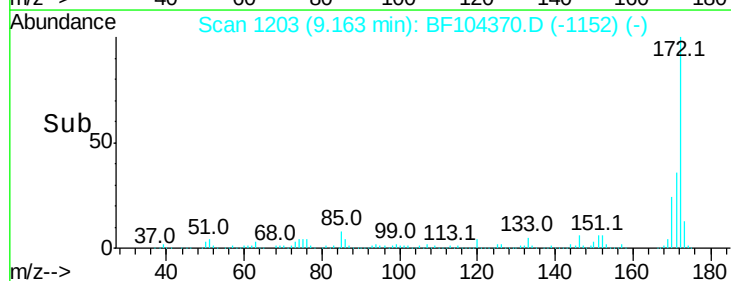
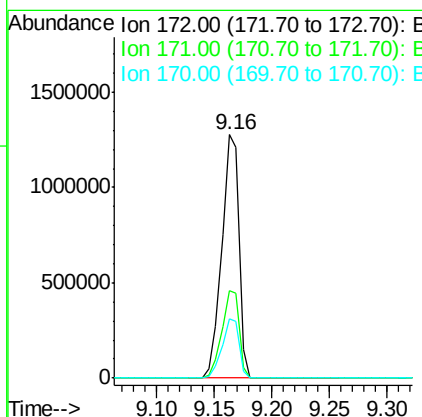
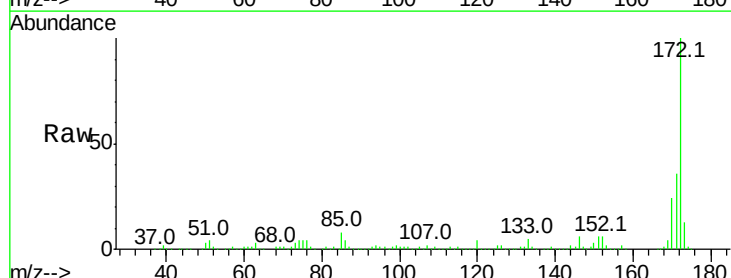
Instrument :
 BNA_F
 ClientSampleId :

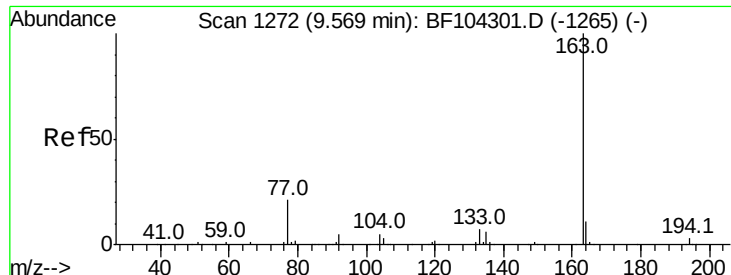
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	32.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 83.024 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104370.D
 Acq: 9 Apr 2018 14:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.2	19.6	29.4

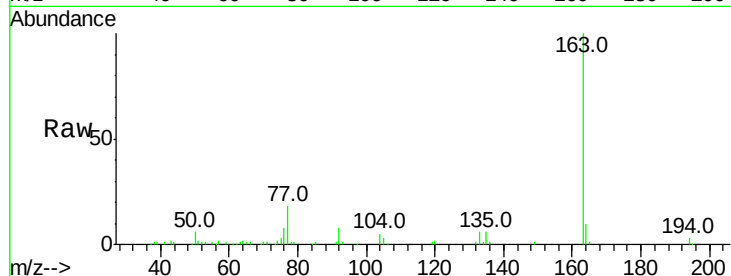




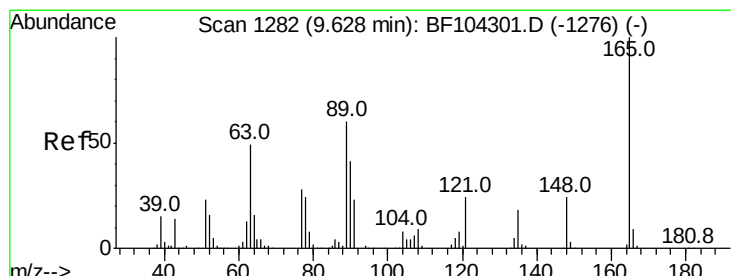
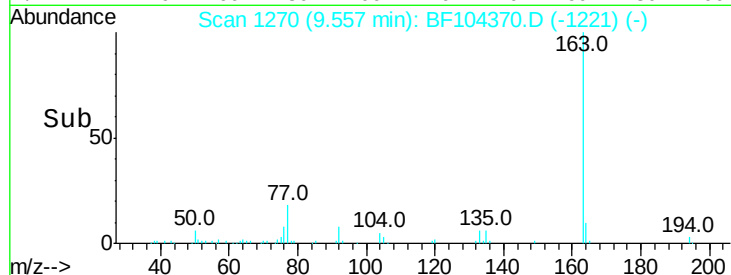
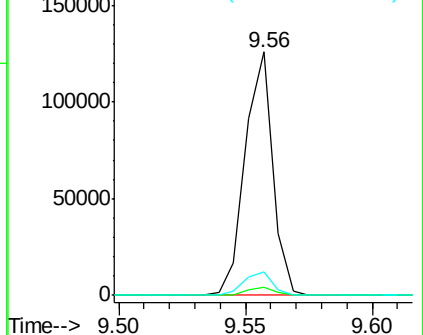
#49
Dimethylphthalate
Concen: 4.821 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104370.D
Acq: 9 Apr 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 95335
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.7 8.2 12.2

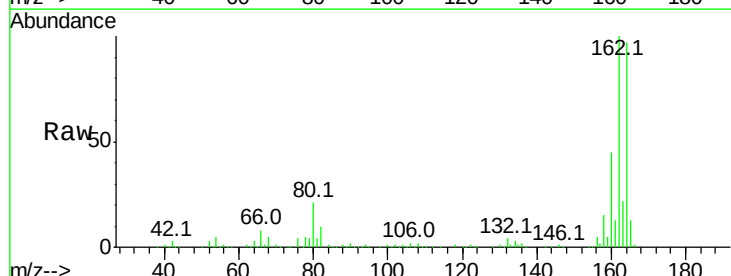


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

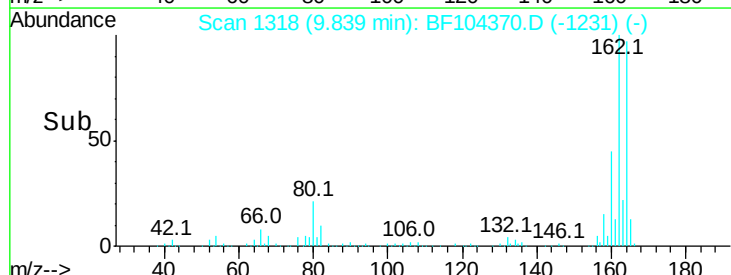
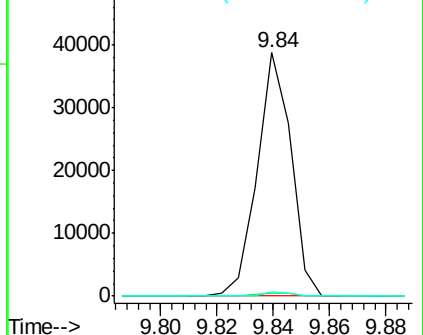


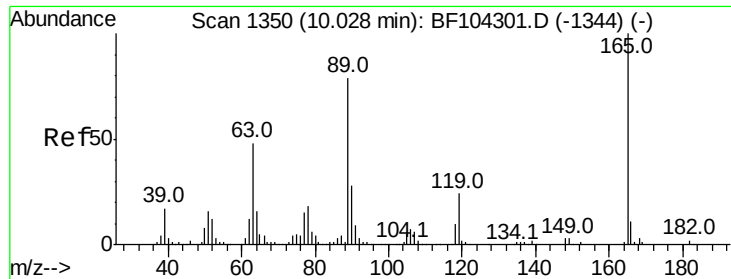
#50
2,6-Dinitrotoluene
Concen: 8.793 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.21 min
Lab File: BF104370.D
Acq: 9 Apr 2018 14:24

Tgt Ion:165 Resp: 32179
Ion Ratio Lower Upper
165 100
63 1.1 44.7 67.1#
89 1.6 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

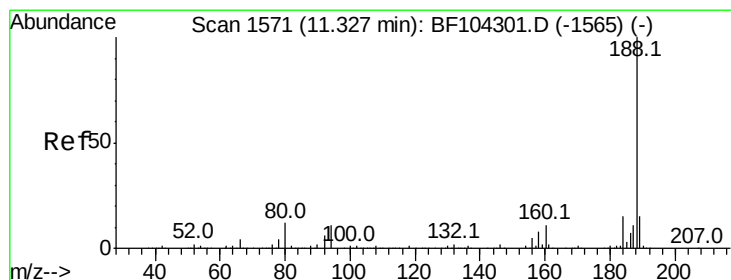
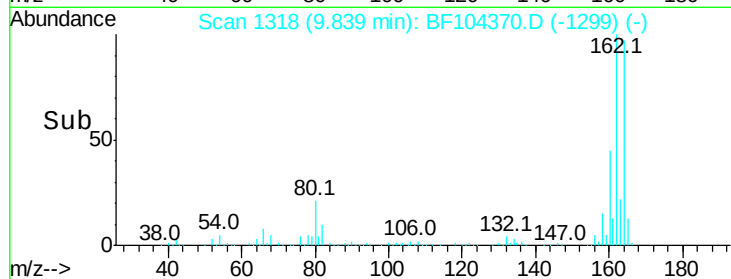
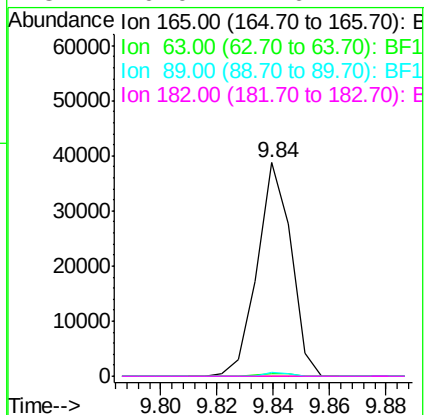
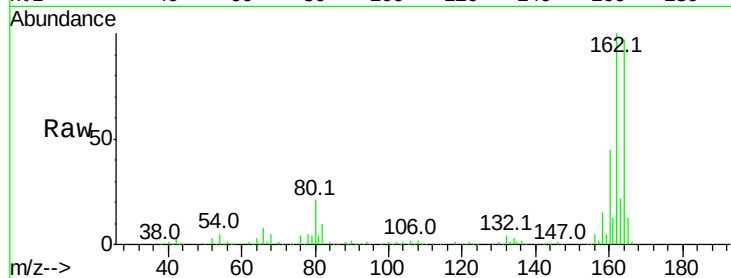




#56
 2,4-Dinitrotoluene
 Concen: 6.704 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104370.D
 Acq: 9 Apr 2018 14:24

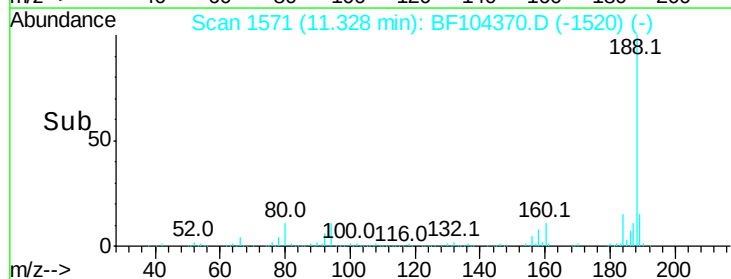
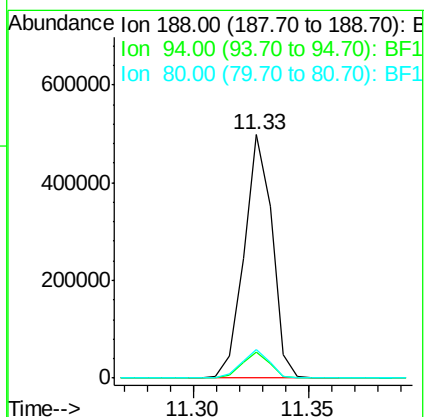
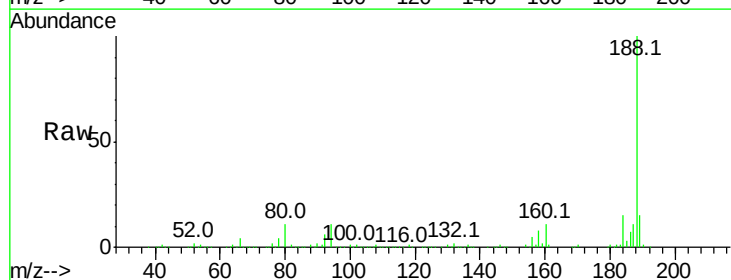
Instrument :
 BNA_F
 ClientSampleId :

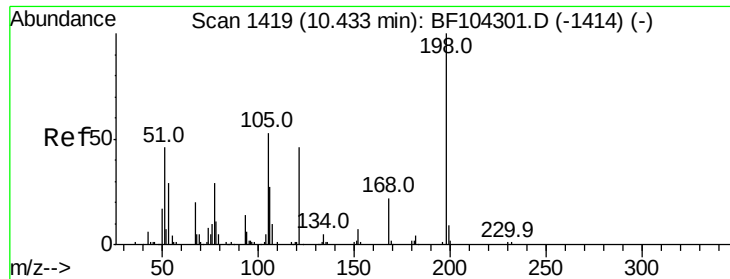
Tot Ion:165 Resp: 32179
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF104370.D
 Acq: 9 Apr 2018 14:24

Tgt Ion:188 Resp: 421911
 Ion Ratio Lower Upper
 188 100
 94 10.9 8.5 12.7
 80 11.5 9.2 13.8

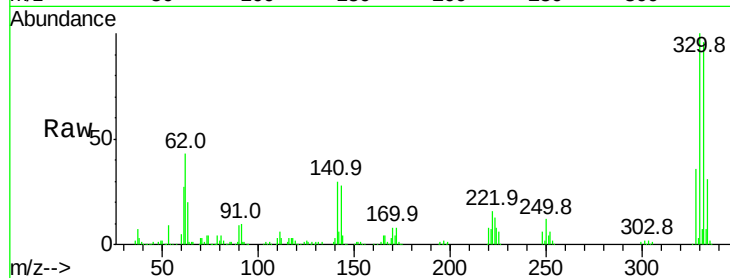




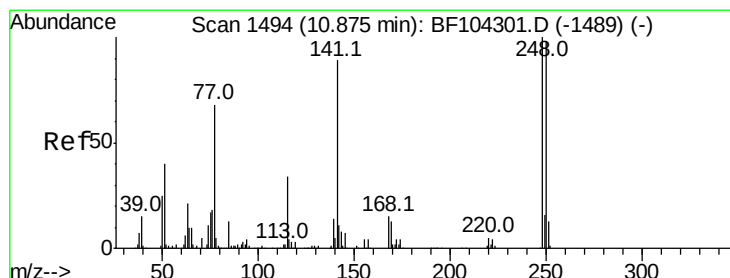
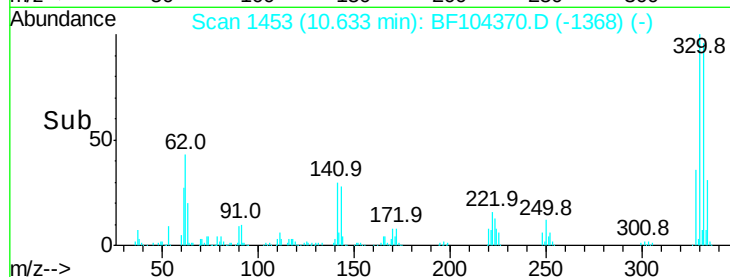
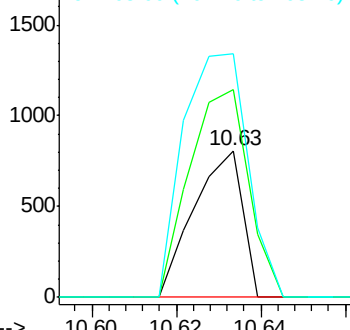
#64
4,6-Dinitro-2-methylphenol
Concen: 7.614 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.20 min
Lab File: BF104370.D
Acq: 9 Apr 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 647
Ion Ratio Lower Upper
198 100
51 141.4 37.7 77.7#
105 166.2 36.3 76.3#

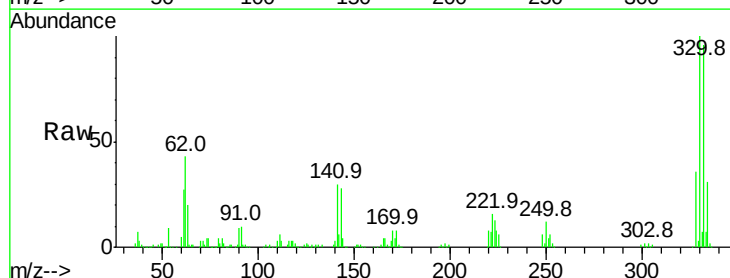


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

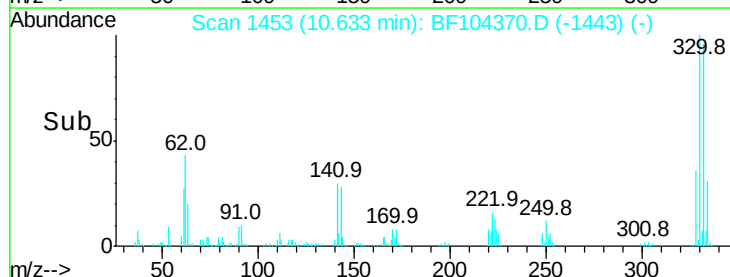
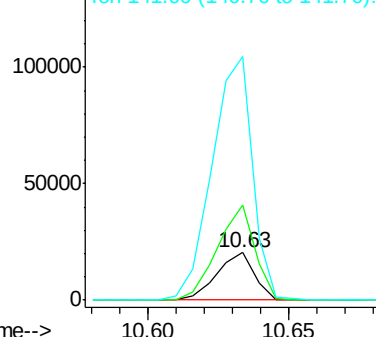


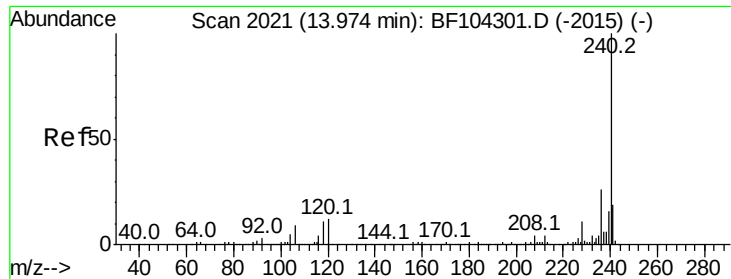
#66
4-Bromophenyl-phenylether
Concen: 4.225 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104370.D
Acq: 9 Apr 2018 14:24

Tgt Ion:248 Resp: 18961
Ion Ratio Lower Upper
248 100
250 199.4 76.9 115.3#
141 511.1 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: BF104370.D

Acq: 9 Apr 2018 14:24

Instrument :

BNA_F

ClientSampleId :

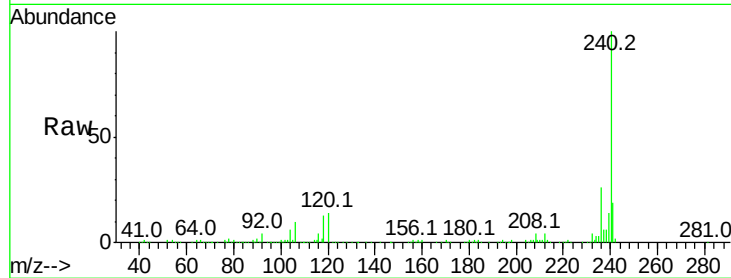
Tot Ion:240 Resp: 254921

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

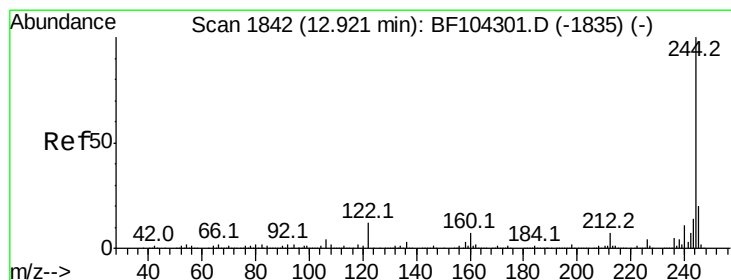
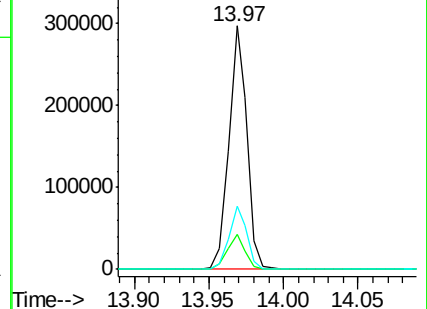
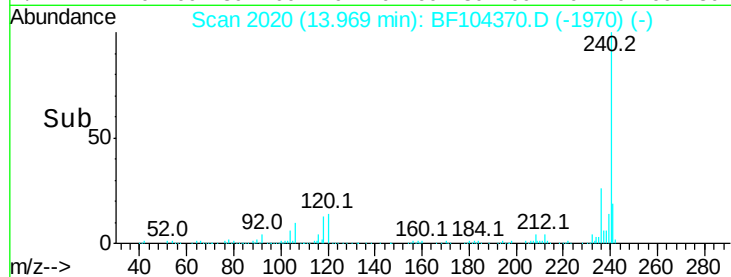
236 25.8 20.7 31.1



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: 95.338 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104370.D

Acq: 9 Apr 2018 14:24

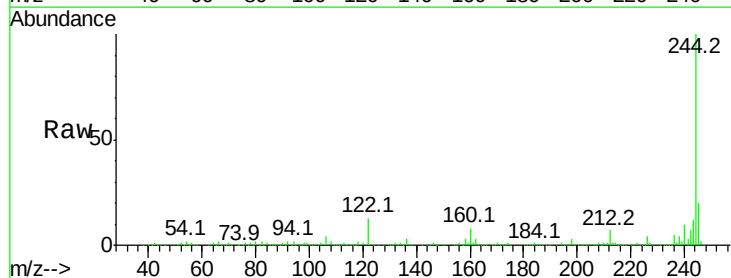
Tgt Ion:244 Resp: 1066029

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

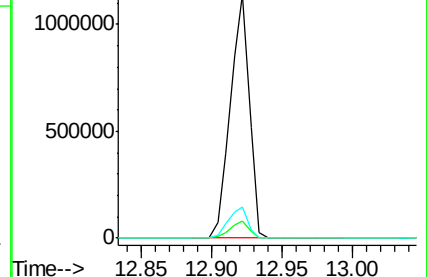
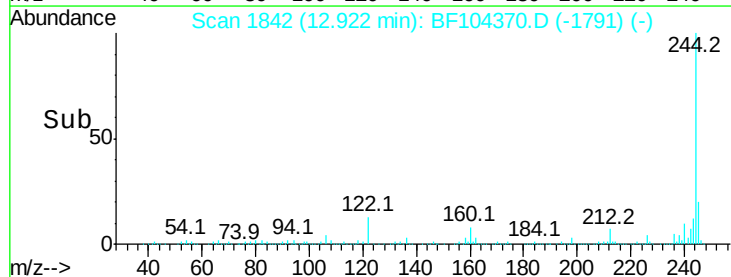
122 12.6 11.0 16.4

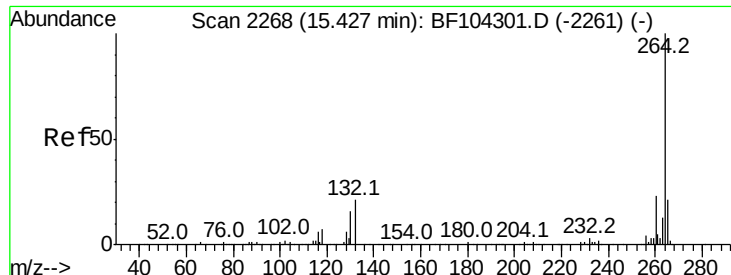


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

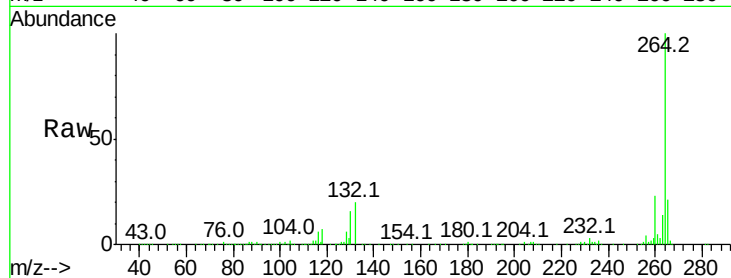




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF104370.D
Acq: 9 Apr 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	20.9	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

