

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104393.D
 Acq On : 10 Apr 2018 1:25
 Operator : JU/SJ
 Sample : J2280-04
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 03:32:18 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

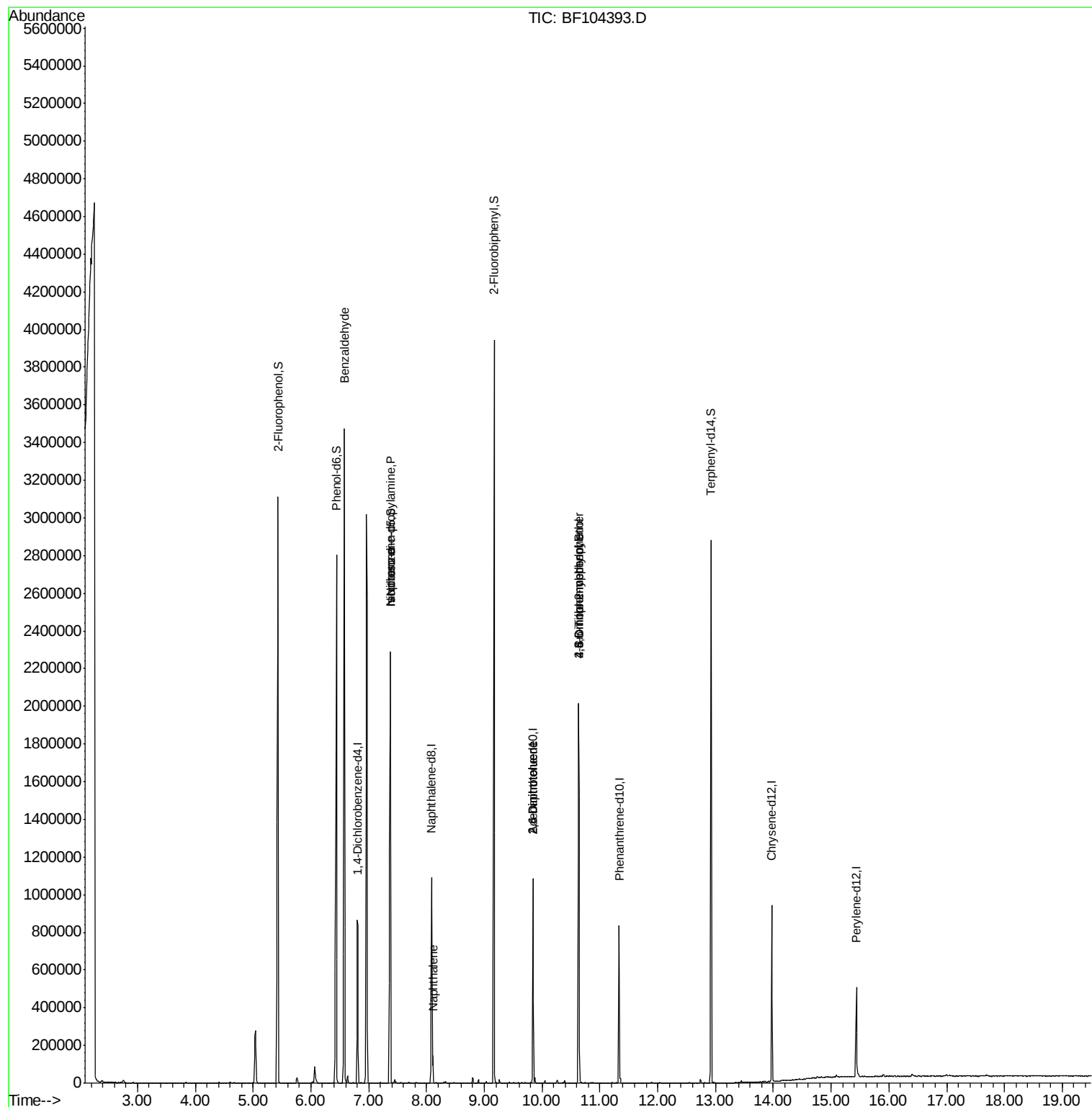
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	128540	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	497178	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	194365	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	286929	20.00	ng	0.00
75) Chrysene-d12	13.97	240	277097	20.00	ng	0.00
86) Perylene-d12	15.44	264	211509	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	995668	118.44	ng	0.02
7) Phenol-d6	6.44	99	1057486	102.38	ng	0.01
23) Nitrobenzene-d5	7.37	82	817136	107.32	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	257850	127.89	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1317371	107.07	ng	0.00
78) Terphenyl-d14	12.93	244	1068252	87.89	ng	0.00
Target Compounds						
9) Benzaldehyde	6.58	77	23866	2.252	ng	80
19) n-Nitroso-di-n-propylamine	7.37	70	108557	16.084	ng	# 73
25) Isophorone	7.37	82	817128	50.751	ng	# 64
31) Naphthalene	8.11	128	55826	2.255	ng	99
50) 2,6-Dinitrotoluene	9.84	165	24563	8.661	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	24563	6.603	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	455	7.623	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	15527	5.087	ng	# 1
76) Benzidine	12.93	184	13857	Below Cal		97

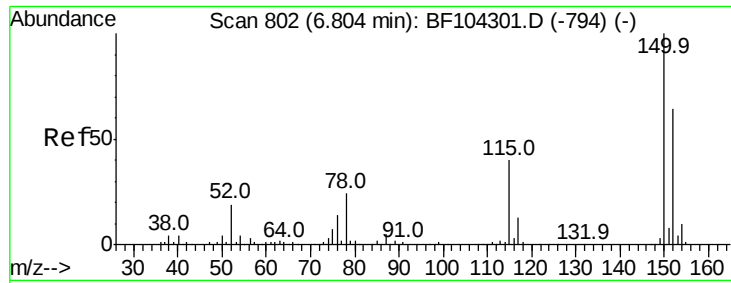
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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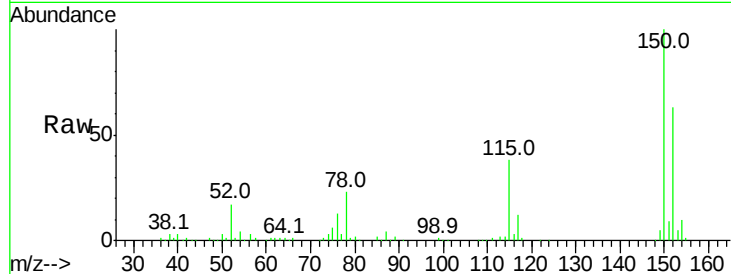


#1

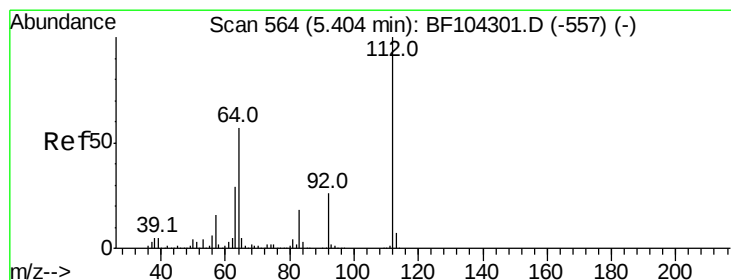
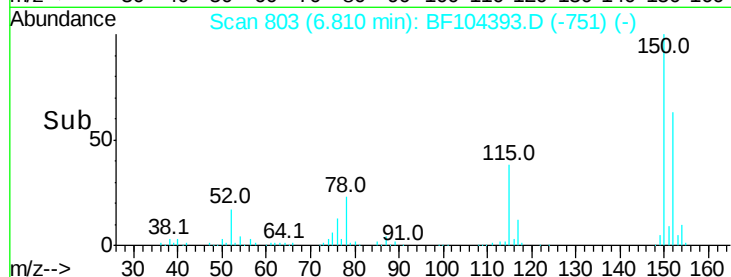
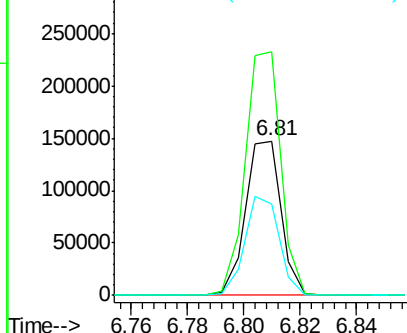
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104393.D
Acq: 10 Apr 2018 1:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128540
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 59.4 50.1 75.1



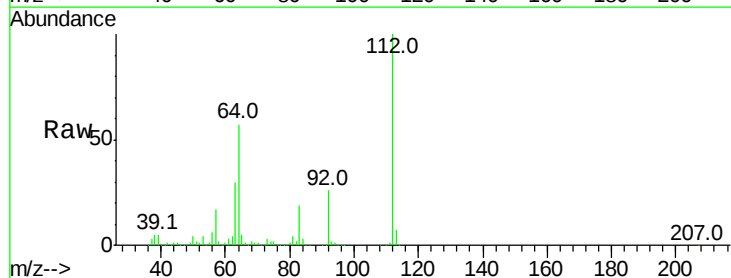
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



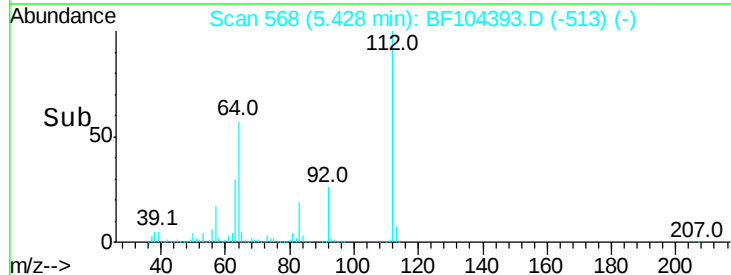
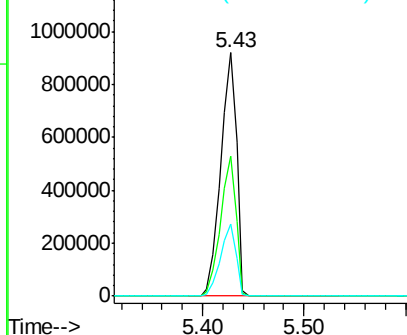
#5

2-Fluorophenol
Concen: 118.440 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF104393.D
Acq: 10 Apr 2018 1:25

Tgt Ion:112 Resp: 995668
Ion Ratio Lower Upper
112 100
64 57.3 47.9 71.9
63 29.8 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: 102.382 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF104393.D

Acq: 10 Apr 2018 1:25

Instrument :

BNA_F

ClientSampled :

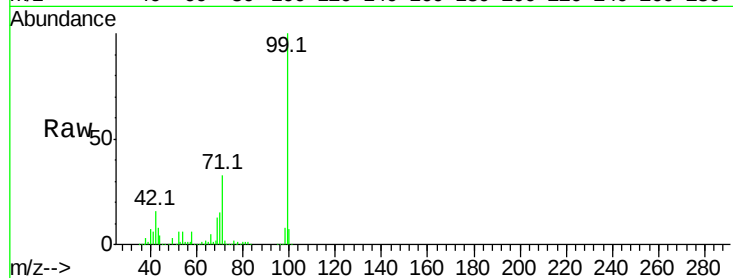
Tot Ion: 99 Resp: 1057486

Ion Ratio Lower Upper

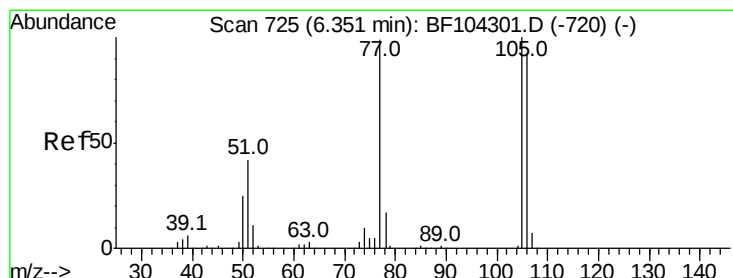
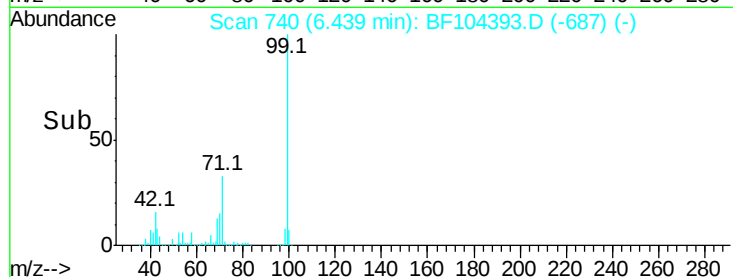
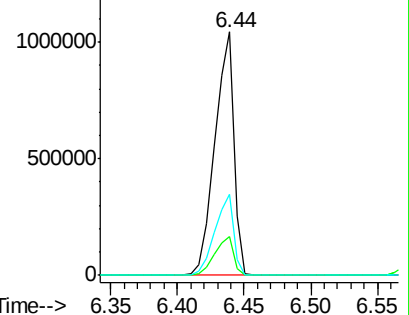
99 100

42 16.2 14.5 21.7

71 33.3 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: 2.252 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.23 min

Lab File: BF104393.D

Acq: 10 Apr 2018 1:25

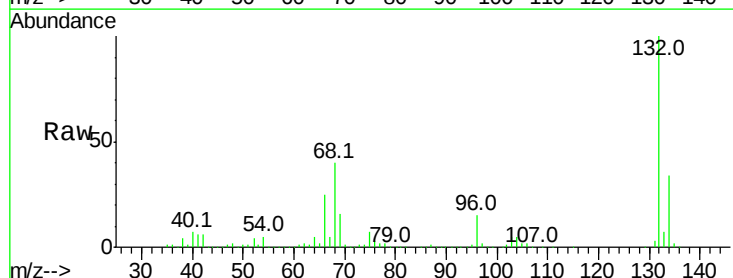
Tgt Ion: 77 Resp: 23866

Ion Ratio Lower Upper

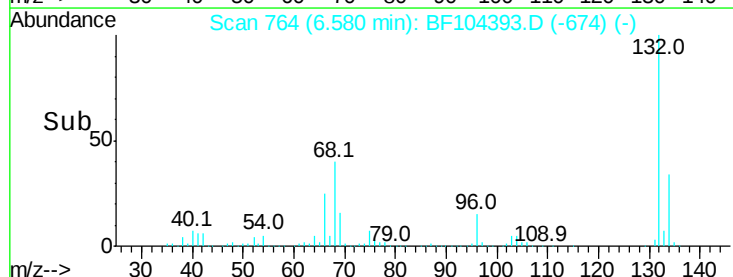
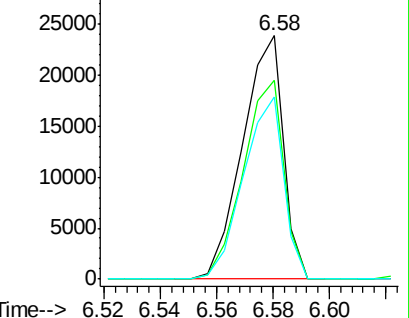
77 100

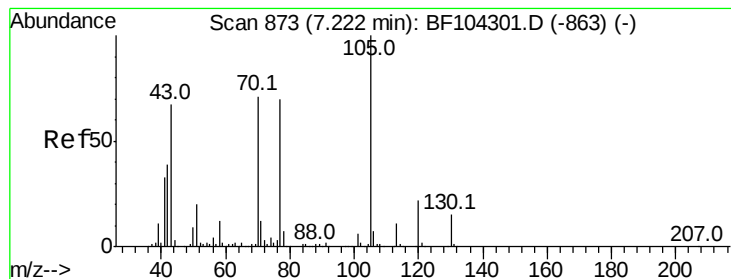
105 81.8 81.1 121.1

106 74.8 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





#19

n-Nitroso-di-n-propylamine

Concen: 16.084 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104393.D

Acq: 10 Apr 2018 1:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 108557

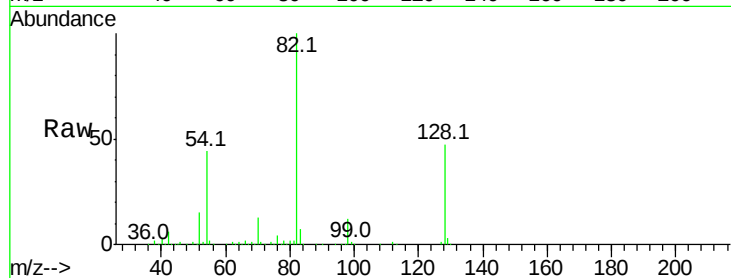
Ion Ratio Lower Upper

70 100

42 42.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

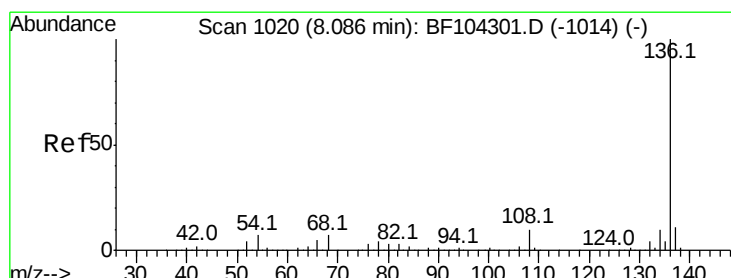
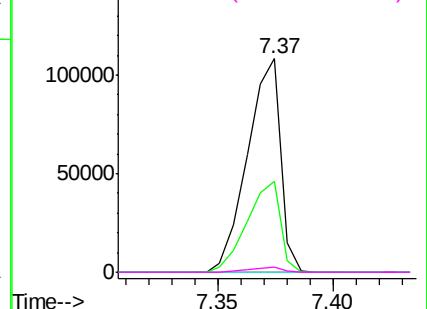
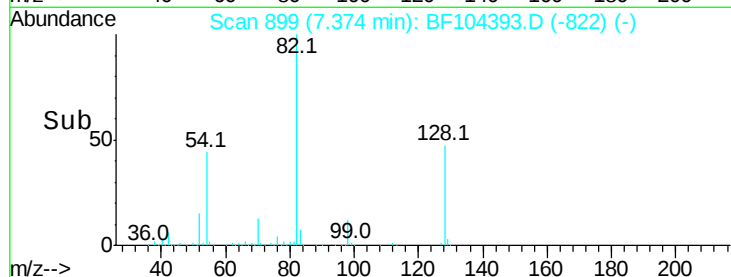


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF104393.D

Acq: 10 Apr 2018 1:25

Tgt Ion:136 Resp: 497178

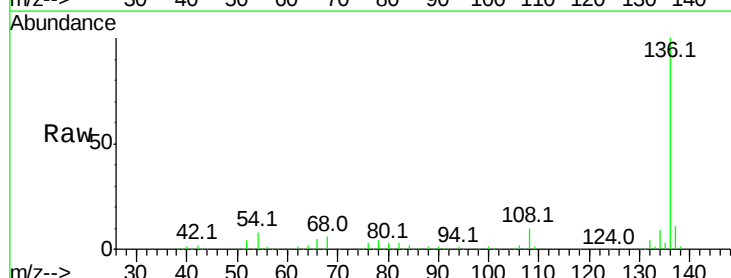
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.5 6.6 9.8

68 6.4 5.0 7.4

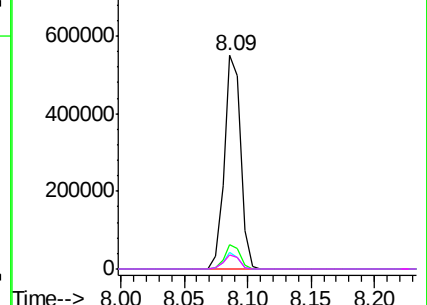
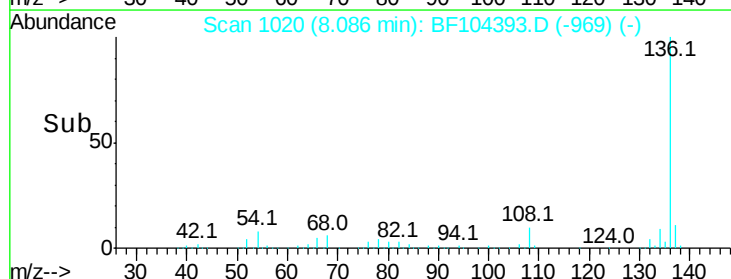


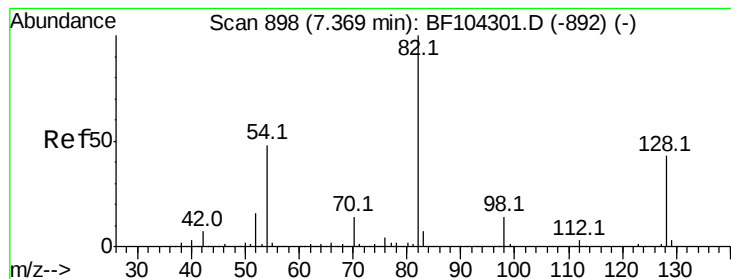
Abundance Ion 136.00 (135.70 to 136.70): BF1

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: 107.321 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.01 min

Lab File: BF104393.D

Acq: 10 Apr 2018 1:25

Instrument :

BNA_F

ClientSampleId :

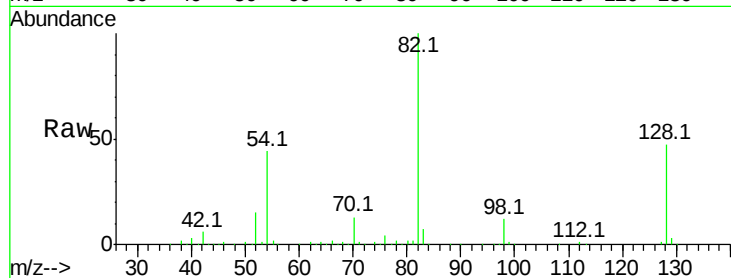
Tot Ion: 82 Resp: 817136

Ion Ratio Lower Upper

82 100

128 46.8 36.1 54.1

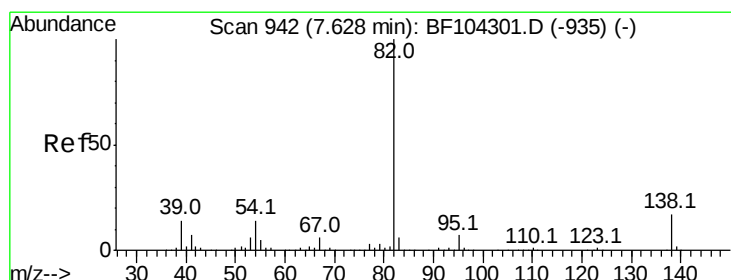
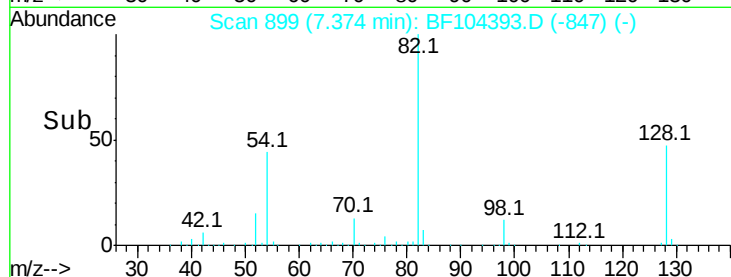
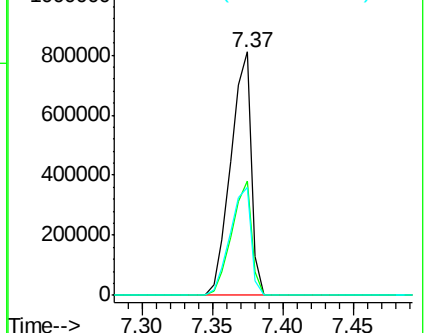
54 44.5 41.4 62.2



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: 50.751 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104393.D

Acq: 10 Apr 2018 1:25

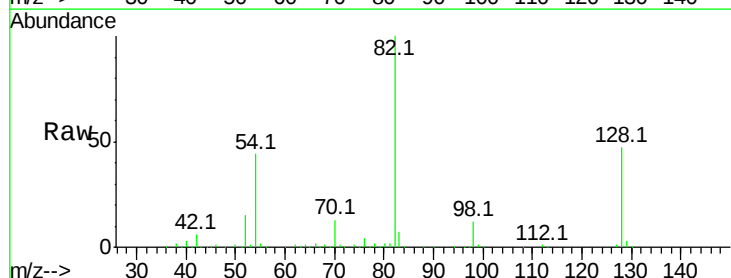
Tgt Ion: 82 Resp: 817128

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

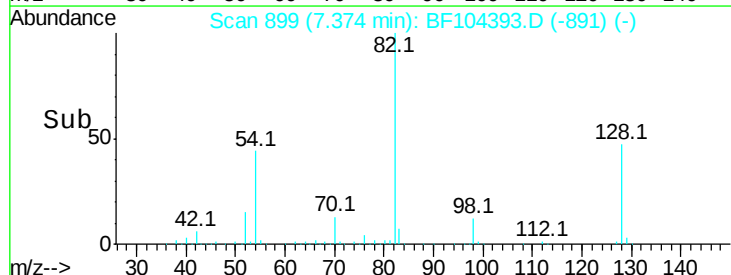
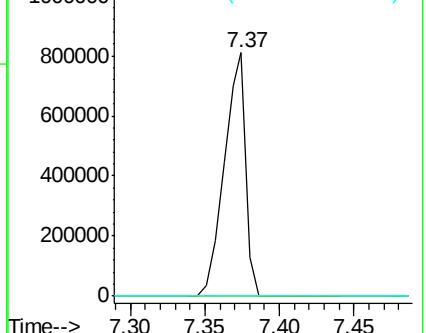
138 0.0 14.9 22.3#

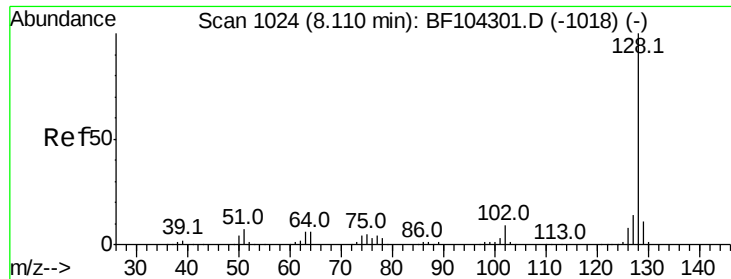


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

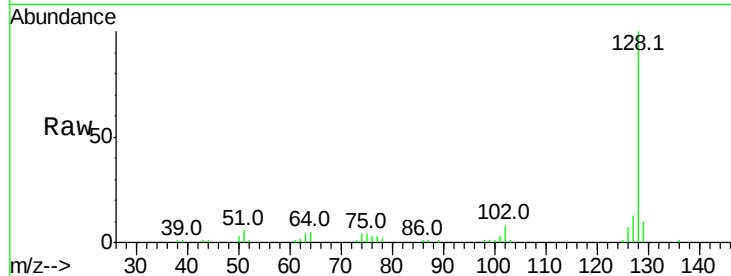




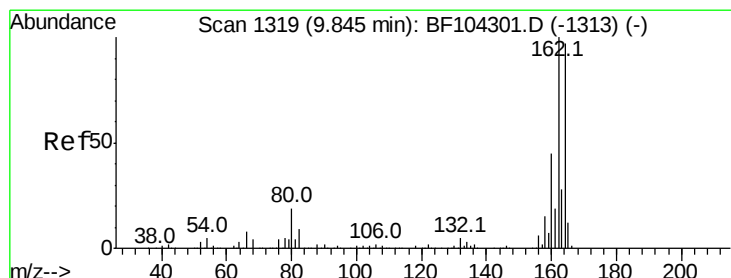
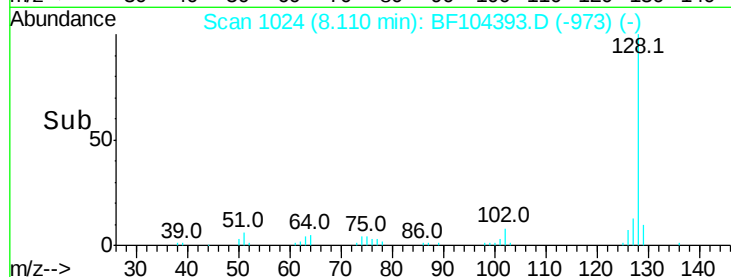
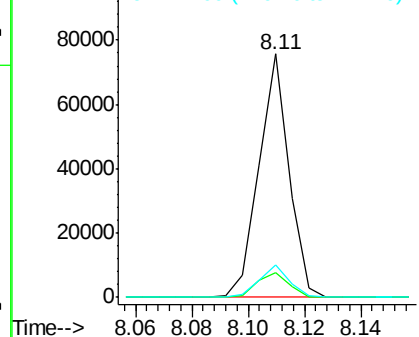
#31
Naphthalene
Concen: 2.255 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF104393.D
Acq: 10 Apr 2018 1:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.8	13.2
127	13.4	10.9	16.3

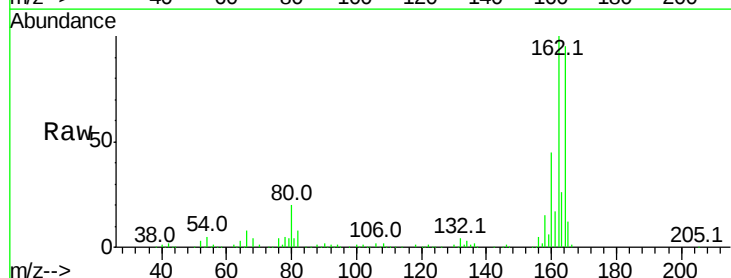


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

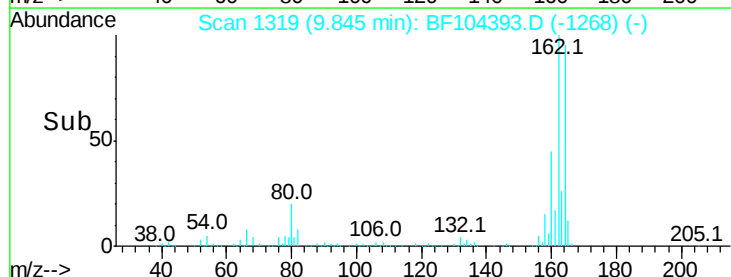
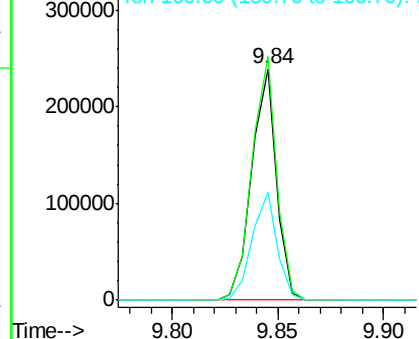


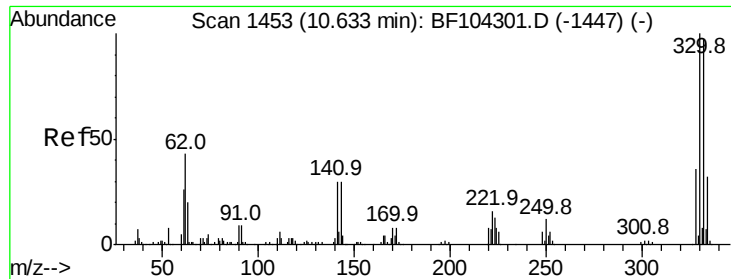
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF104393.D
Acq: 10 Apr 2018 1:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	86.1	129.1
160	47.0	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

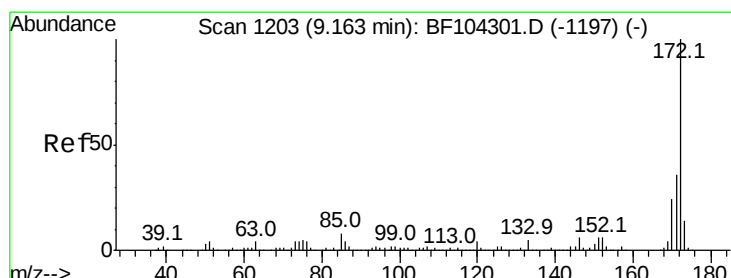
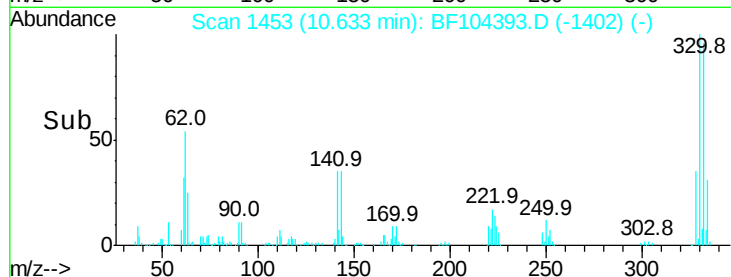
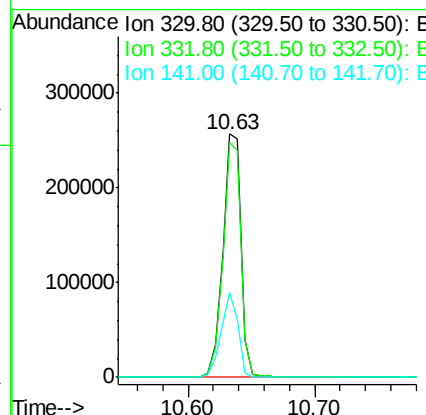
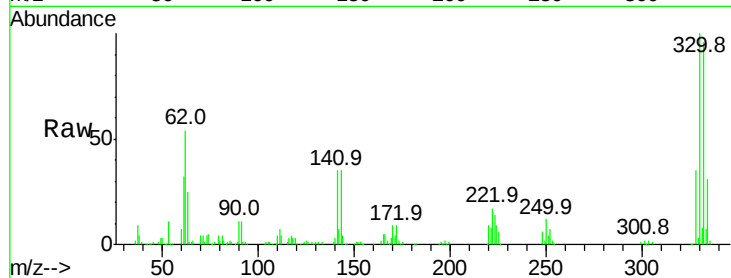




#41
 2,4,6-Tribromophenol
 Concen: 127.889 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF104393.D
 Acq: 10 Apr 2018 1:25

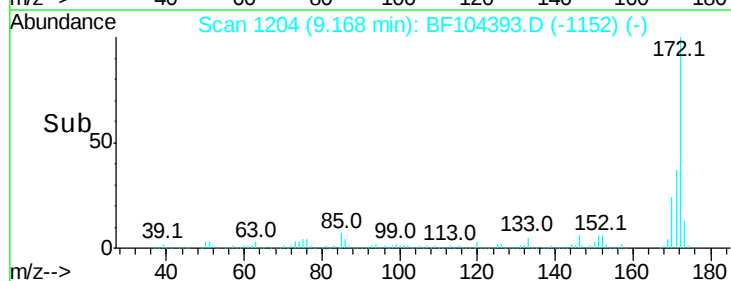
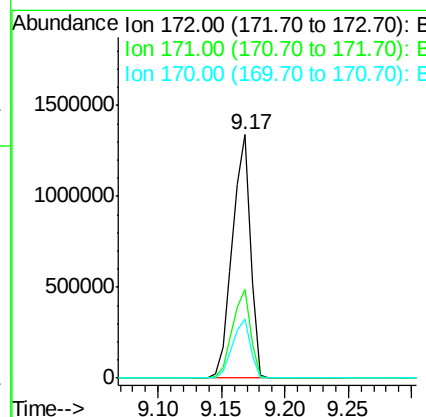
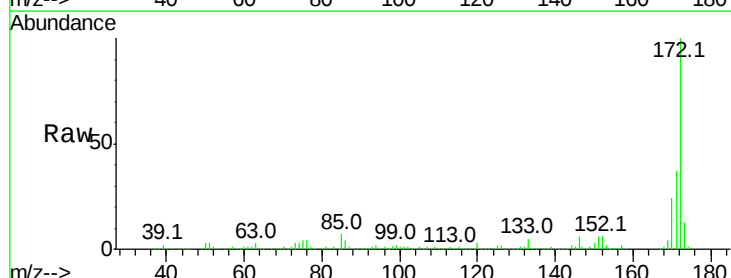
Instrument :
 BNA_F
 ClientSampleId :

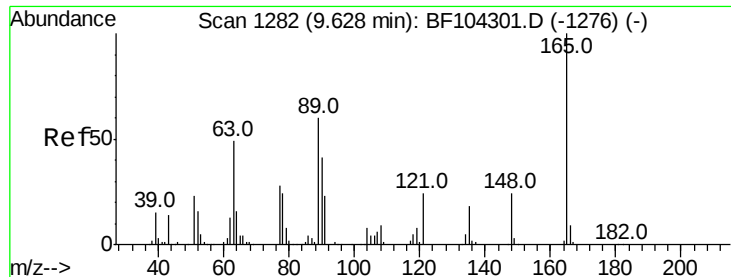
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	33.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 107.073 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF104393.D
 Acq: 10 Apr 2018 1:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.3	19.6	29.4





#50

2,6-Dinitrotoluene

Concen: 8.661 ng

RT: 9.84 min Scan# 1319

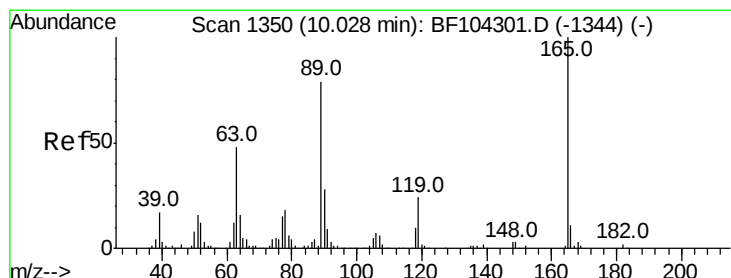
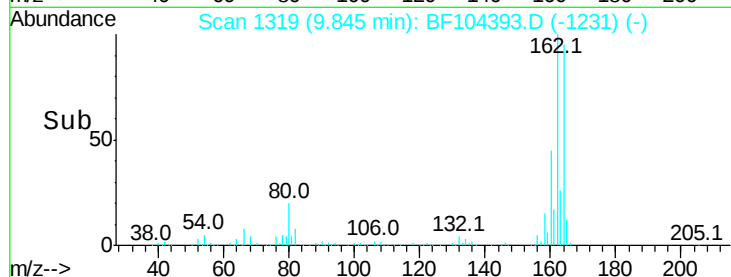
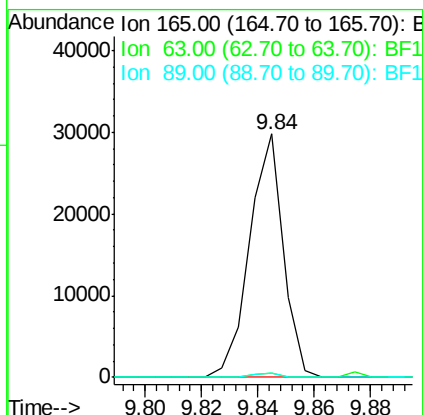
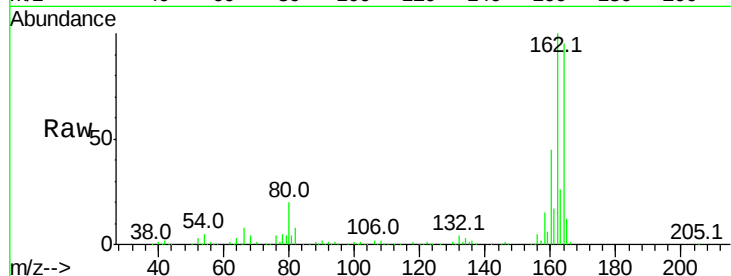
Delta R.T. 0.22 min

Lab File: BF104393.D

Acq: 10 Apr 2018 1:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	24563
Ion Ratio	Lower	Upper
165 100		
63 1.6	44.7	67.1#
89 2.0	44.0	66.0#



#56

2,4-Dinitrotoluene

Concen: 6.603 ng

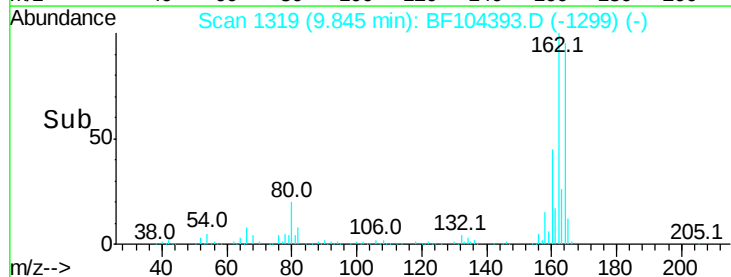
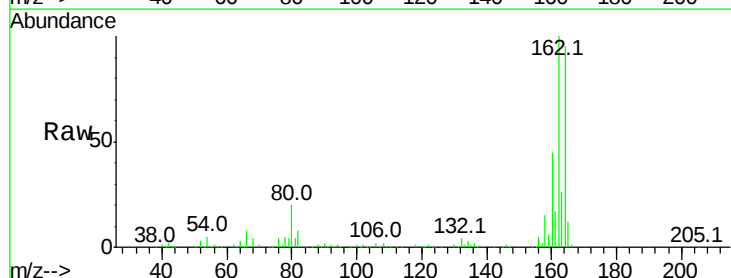
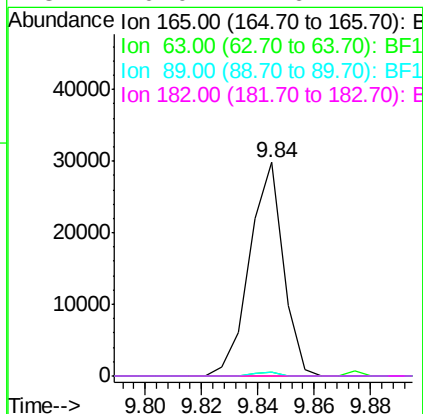
RT: 9.84 min Scan# 1319

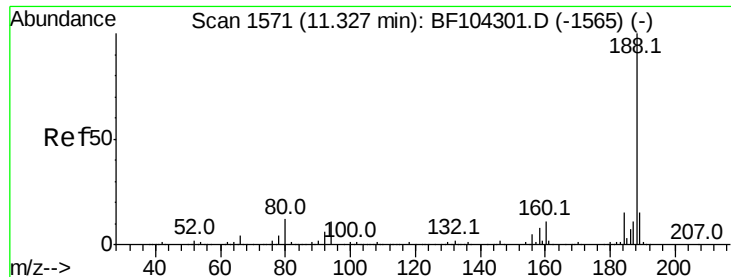
Delta R.T. -0.18 min

Lab File: BF104393.D

Acq: 10 Apr 2018 1:25

Tgt Ion:165	Resp:	24563
Ion Ratio	Lower	Upper
165 100		
63 1.6	36.4	54.6#
89 2.0	57.8	86.6#
182 0.0	1.6	2.4#

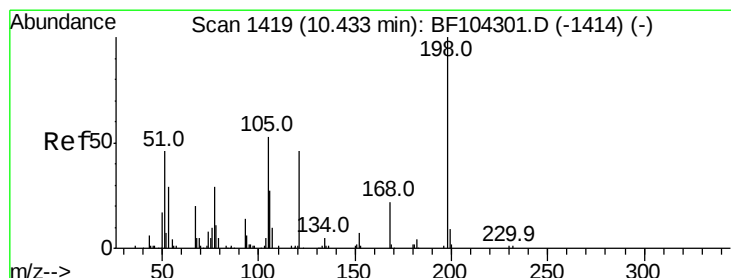
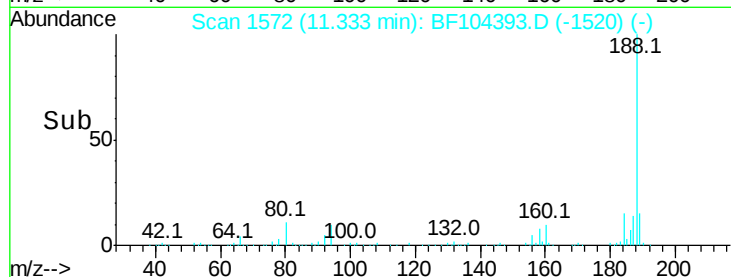
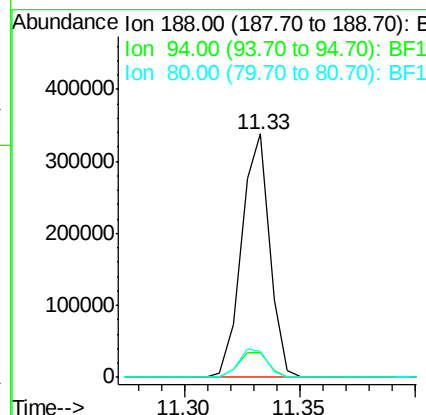
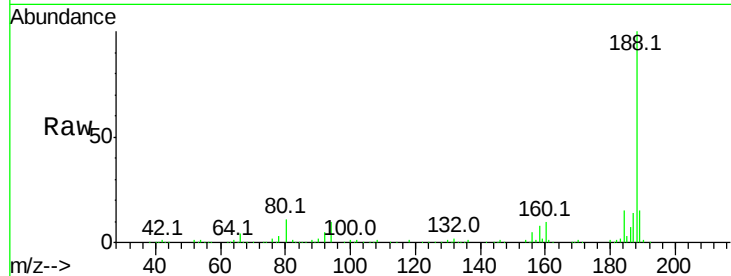




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF104393.D
Acq: 10 Apr 2018 1:25

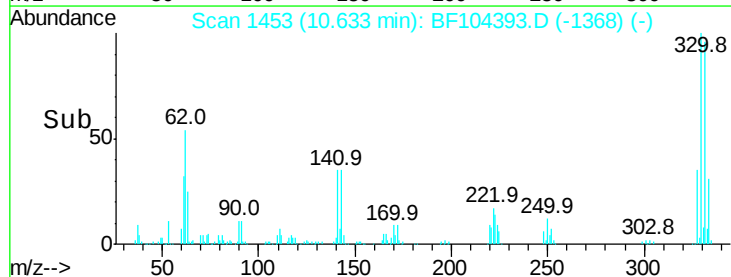
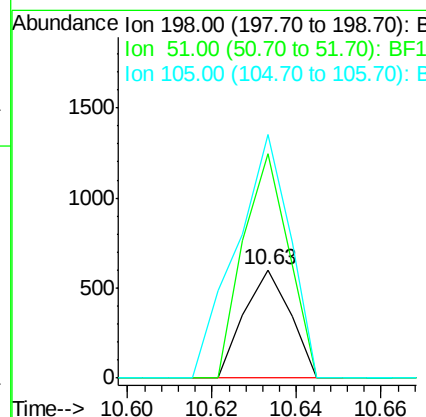
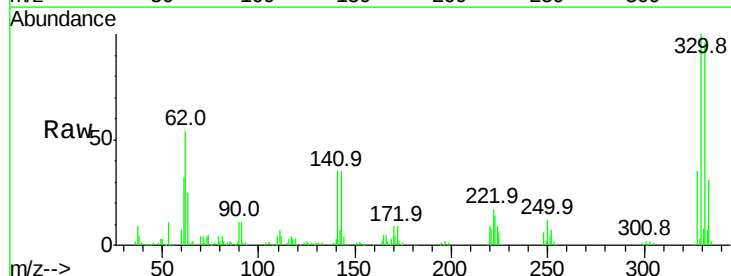
Instrument :
BNA_F
ClientSampled :

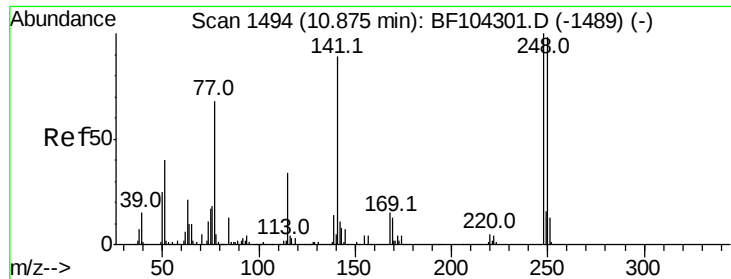
Tot Ion:188 Resp: 286929
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.623 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.20 min
Lab File: BF104393.D
Acq: 10 Apr 2018 1:25

Tgt Ion:198 Resp: 455
Ion Ratio Lower Upper
198 100
51 207.8 37.7 77.7#
105 225.7 36.3 76.3#

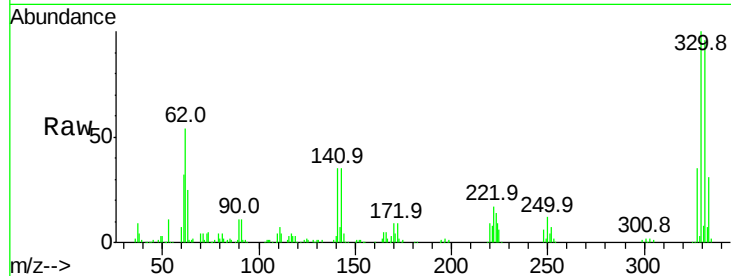




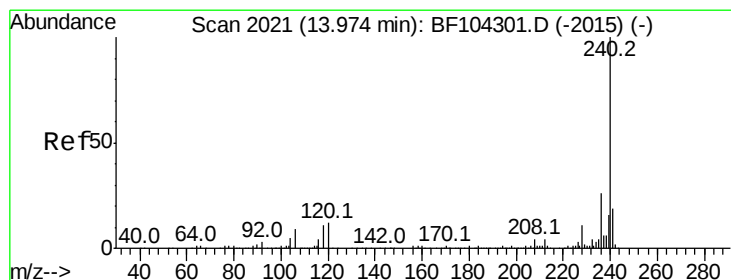
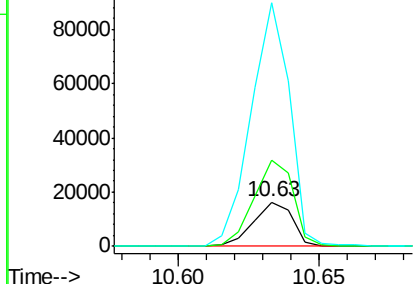
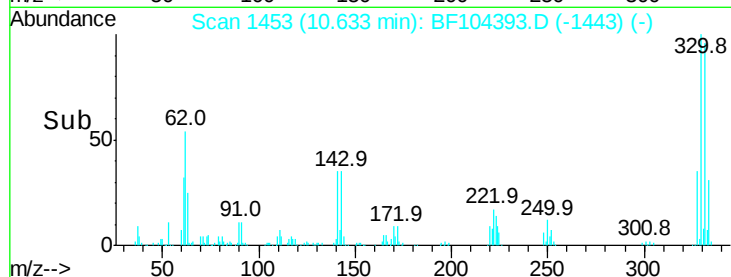
#66
4-Bromophenyl-phenylether
Concen: 5.087 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104393.D
Acq: 10 Apr 2018 1:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15527
Ion Ratio Lower Upper
248 100
250 195.7 76.9 115.3#
141 551.3 74.4 111.6#

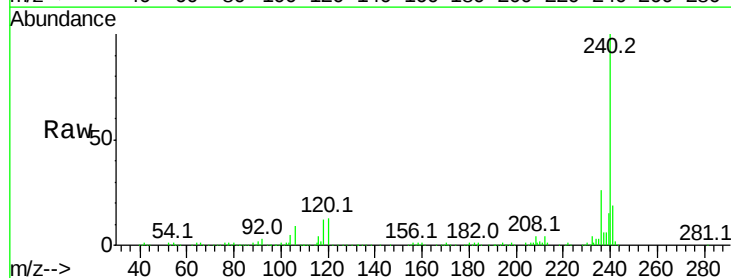


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

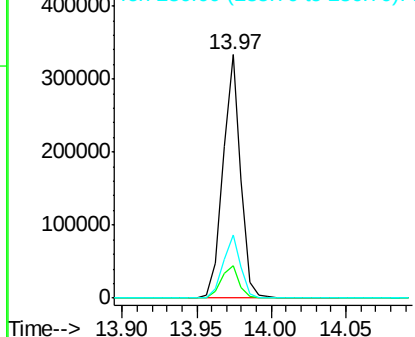
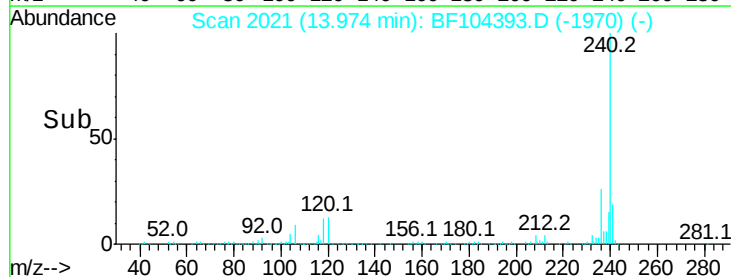


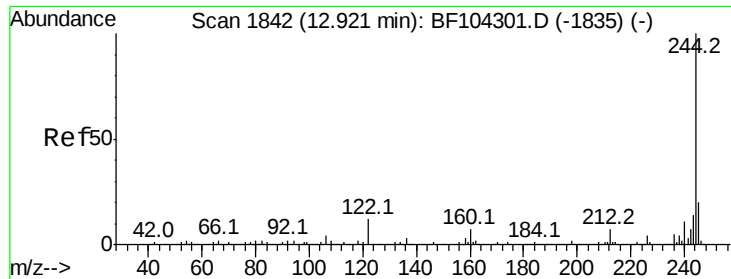
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF104393.D
Acq: 10 Apr 2018 1:25

Tgt Ion:240 Resp: 277097
Ion Ratio Lower Upper
240 100
120 13.2 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: 87.891 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104393.D

Acq: 10 Apr 2018 1:25

Instrument :

BNA_F

ClientSampleId :

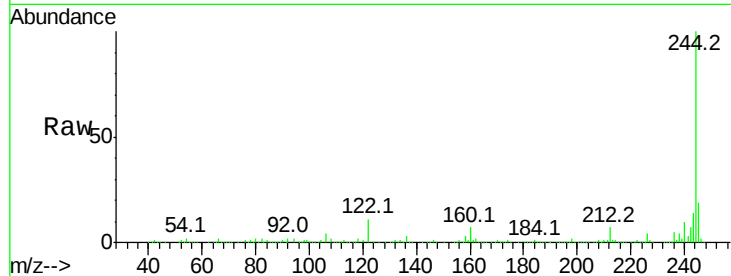
Tot Ion:244 Resp: 1068252

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

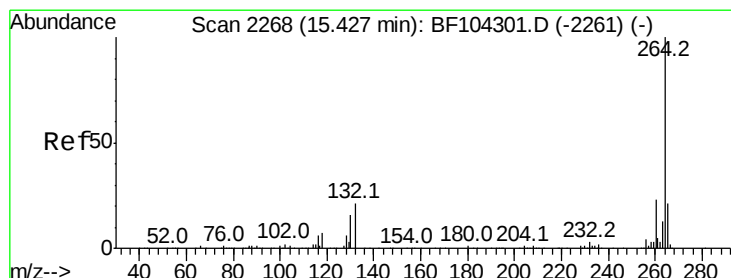
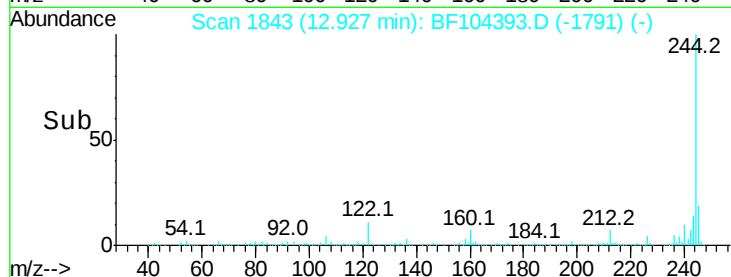
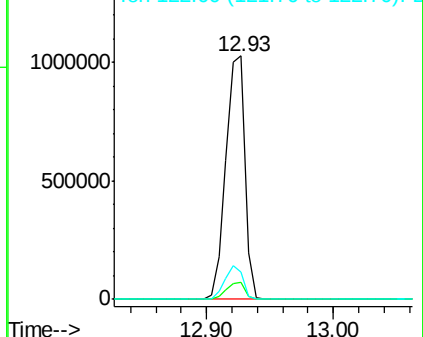
122 11.3 11.0 16.4



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: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF104393.D

Acq: 10 Apr 2018 1:25

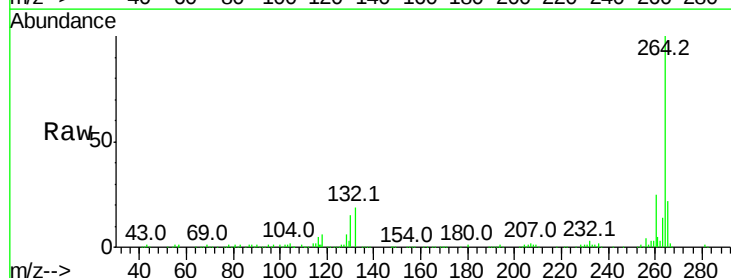
Tgt Ion:264 Resp: 211509

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 21.8 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

