

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091117\
 Data File : BF098432.D
 Acq On : 12 Sep 2017 5:10
 Operator : SJ/JU
 Sample : I5138-18
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:47:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	230467	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	930794	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	382411	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	587628	20.00	ng	0.00
75) Chrysene-d12	13.81	240	371609	20.00	ng	0.00
86) Perylene-d12	15.22	264	375628	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	1863935	119.58	ng	0.01
7) Phenol-d6	6.33	99	2311017	116.77	ng	0.00
23) Nitrobenzene-d5	7.24	82	1405639	84.19	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	302151	118.38	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	1411781	62.57	ng	0.00
78) Terphenyl-d14	12.76	244	796552	46.27	ng	0.00

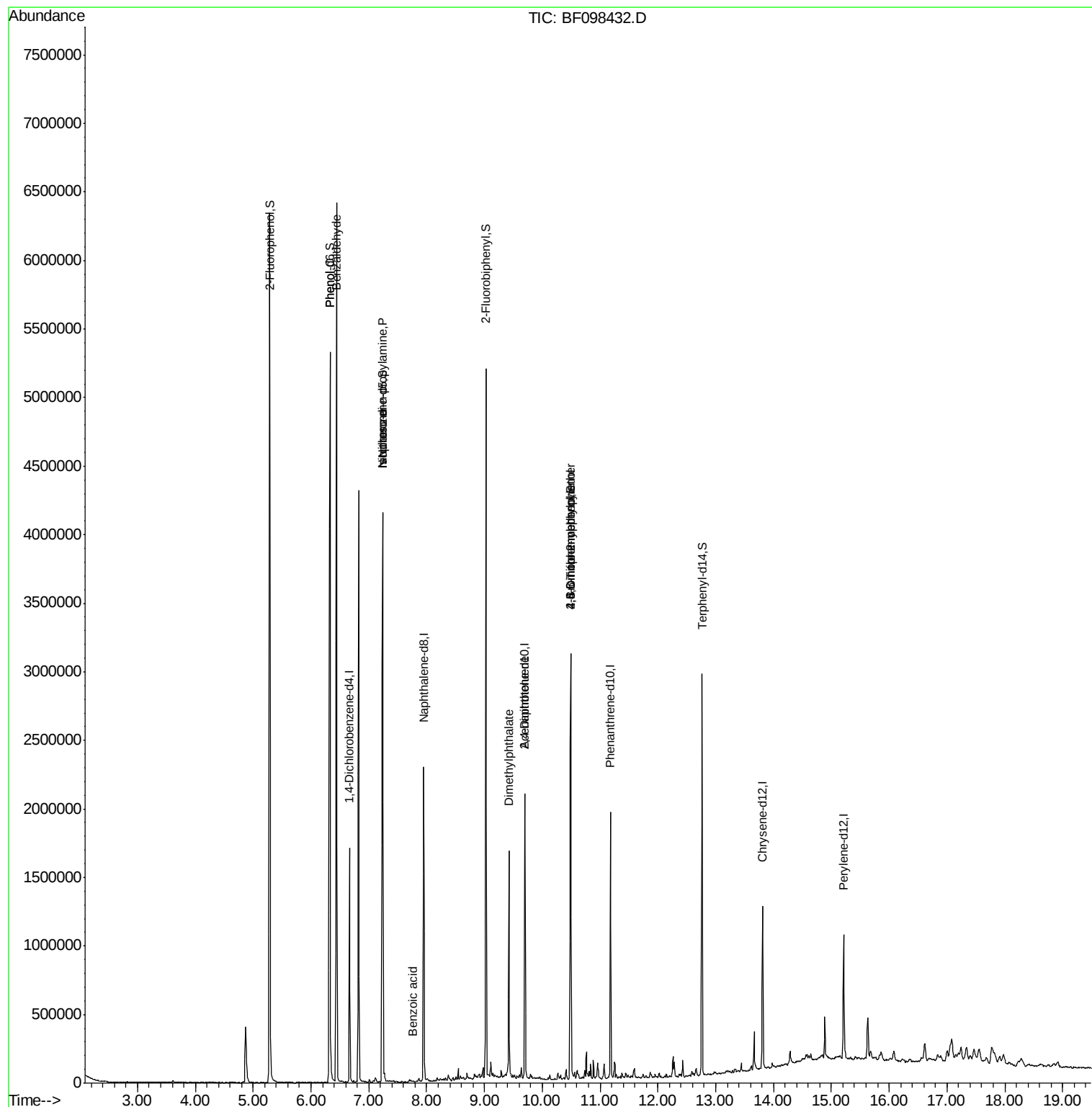
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	41545	3.21	ng	81
10) Phenol	6.33	94	109302	4.75	ng	97
19) n-Nitroso-di-n-propylamine	7.24	70	190170	15.28	ng	# 81
25) Isophorone	7.24	82	1382399	40.92	ng	# 67
32) Benzoic acid	7.77	122	382	8.00	ng	89
49) Dimethylphthalate	9.43	163	634525	21.44	ng	98
56) 2,4-Dinitrotoluene	9.70	165	50047	6.77	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.49	198	1042	5.22	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	23454	4.21	ng	# 1

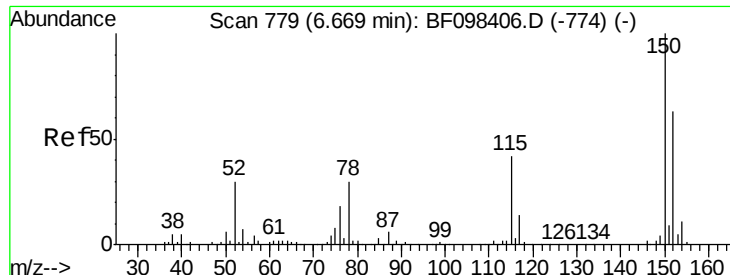
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF098432.D

Acq: 12 Sep 2017 5:10

Instrument :

BNA_F

ClientSampled :

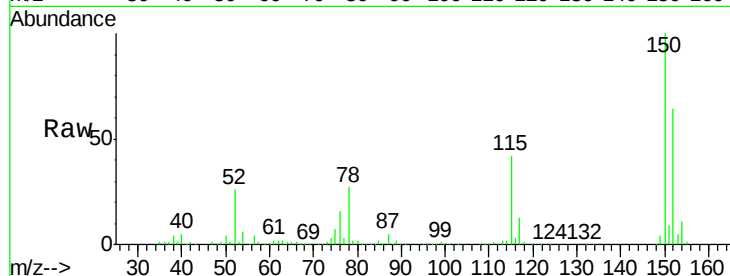
Tot Ion:152 Resp: 230467

Ion Ratio Lower Upper

152 100

150 155.2 126.2 189.2

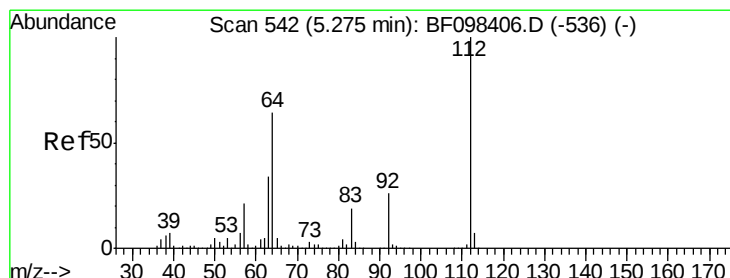
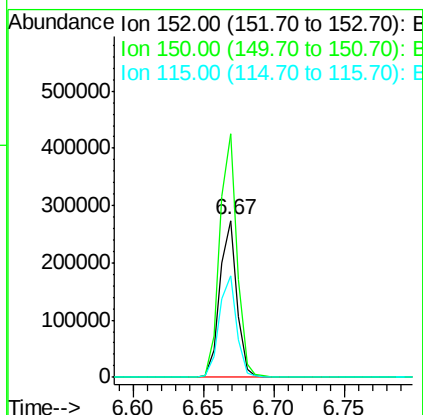
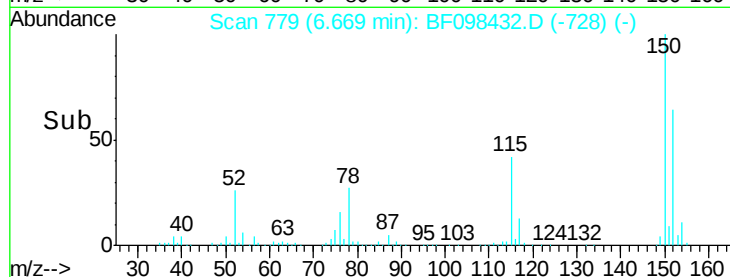
115 64.6 52.2 78.2



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: 119.58 ng

RT: 5.29 min Scan# 544

Delta R.T. 0.01 min

Lab File: BF098432.D

Acq: 12 Sep 2017 5:10

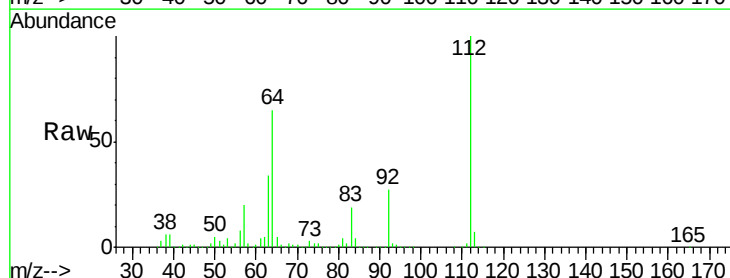
Tgt Ion:112 Resp: 1863935

Ion Ratio Lower Upper

112 100

64 64.8 46.0 69.0

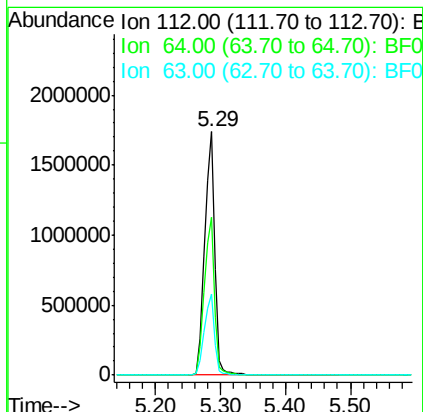
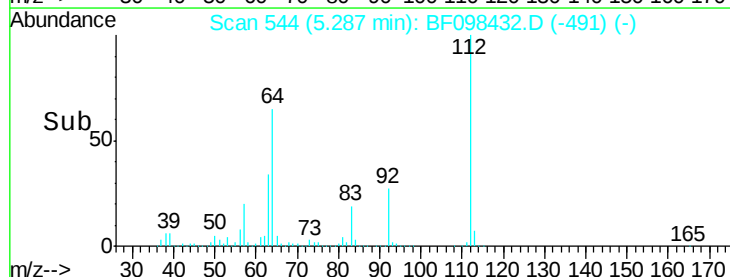
63 33.5 23.4 35.0

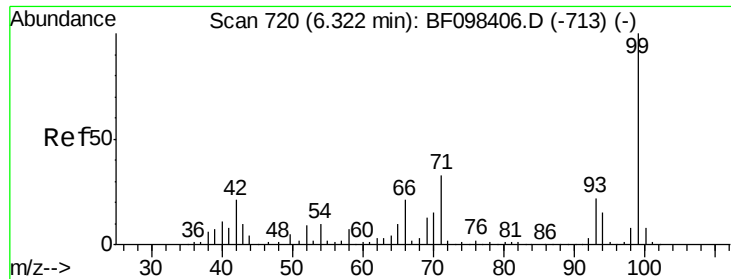


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.77 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF098432.D

Acq: 12 Sep 2017 5:10

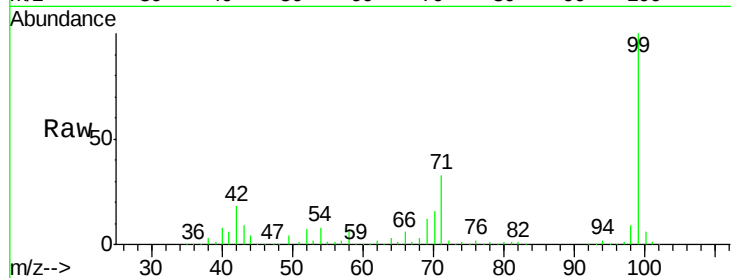
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 2311017

Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.5	20.3
71	32.8	24.5	36.7

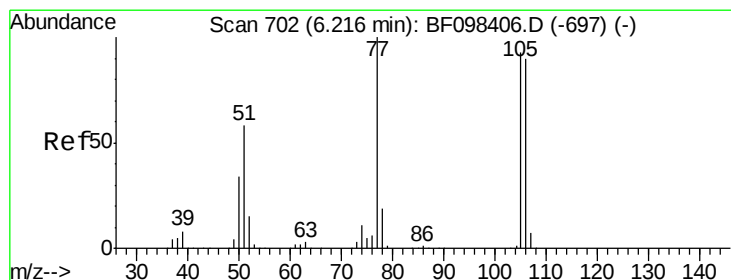
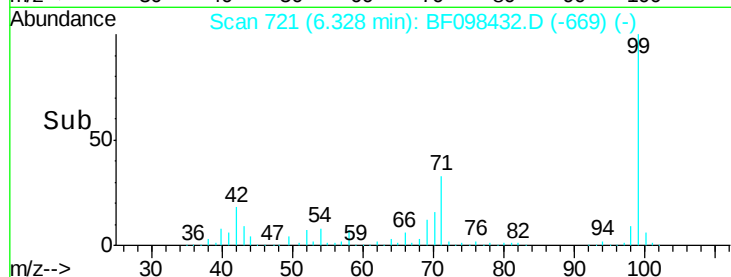
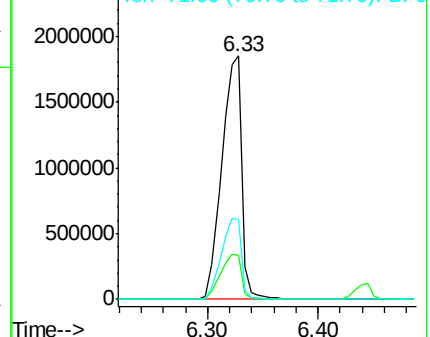


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.21 ng

RT: 6.45 min Scan# 741

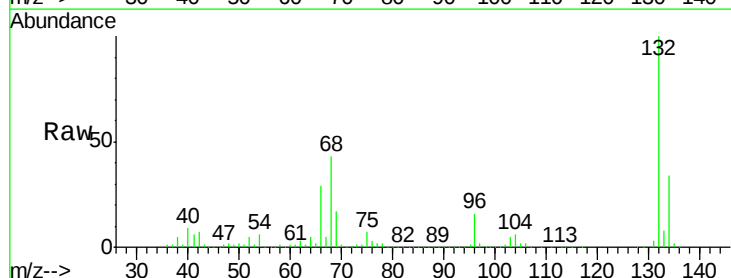
Delta R.T. 0.23 min

Lab File: BF098432.D

Acq: 12 Sep 2017 5:10

Tgt Ion: 77 Resp: 41545

Ion	Ratio	Lower	Upper
77	100		
105	84.8	83.8	123.8
106	79.8	79.1	119.1

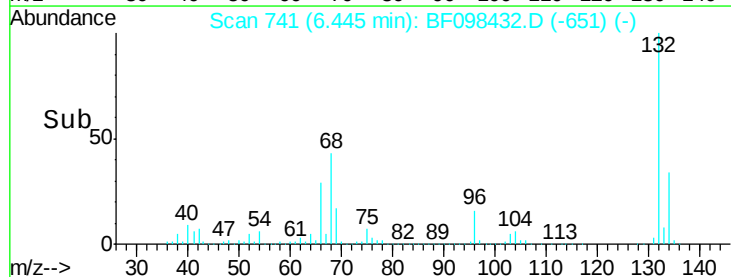
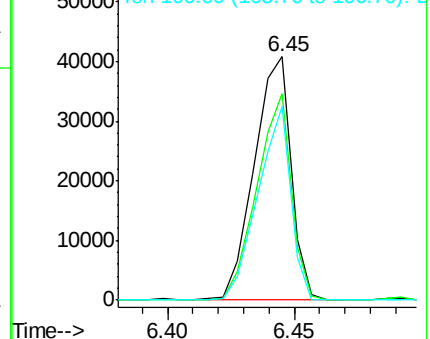


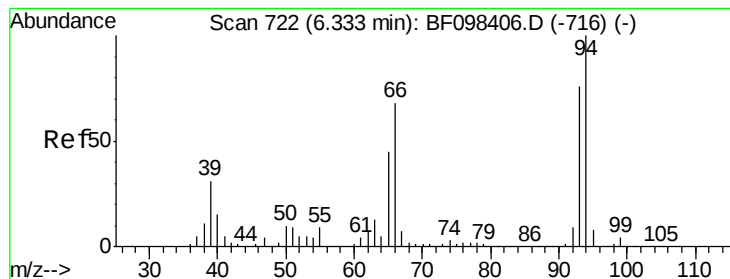
Abundance

Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.75 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF098432.D

Acq: 12 Sep 2017 5:10

Instrument :

BNA_F

ClientSampled :

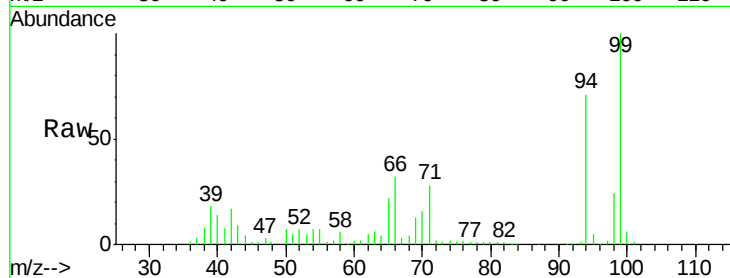
Tot Ion: 94 Resp: 109302

Ion Ratio Lower Upper

94 100

65 31.3 9.9 49.9

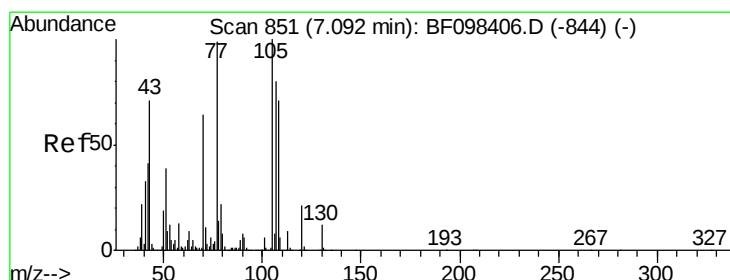
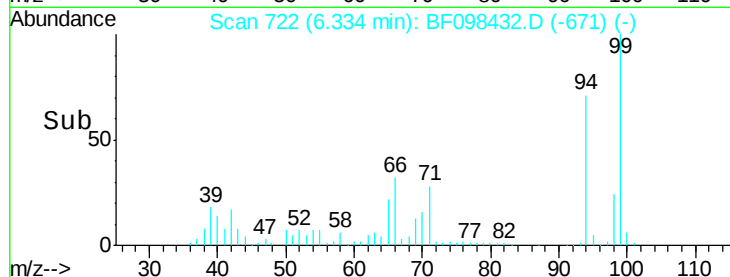
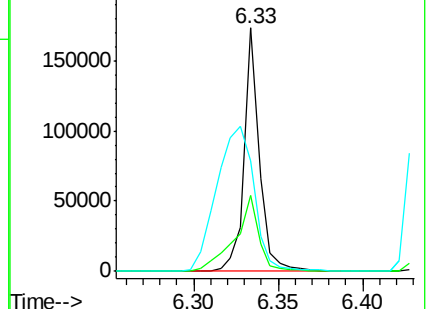
66 45.3 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.28 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.15 min

Lab File: BF098432.D

Acq: 12 Sep 2017 5:10

Tgt Ion: 70 Resp: 190170

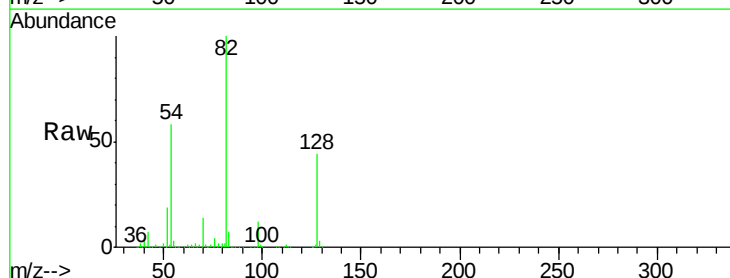
Ion Ratio Lower Upper

70 100

42 50.6 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

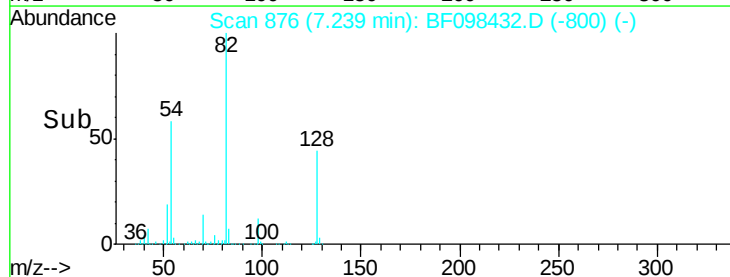
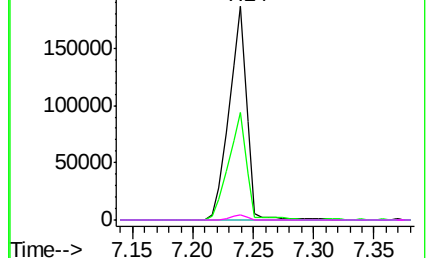


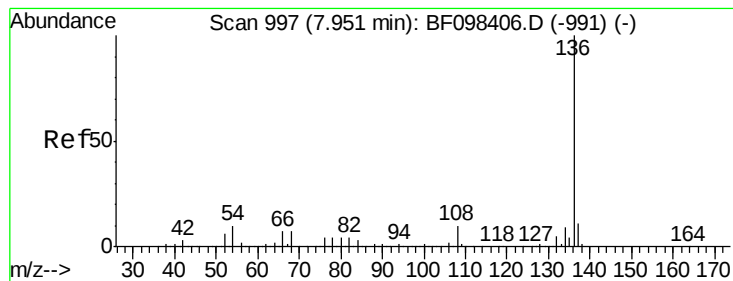
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

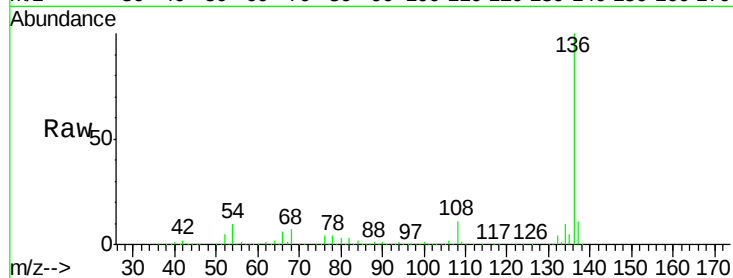




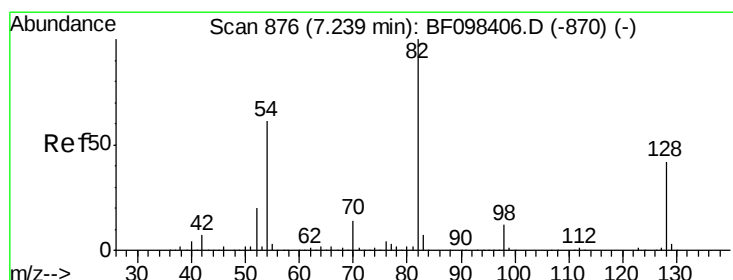
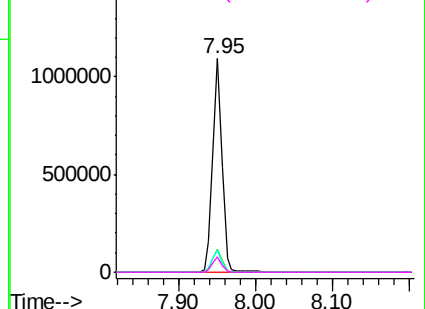
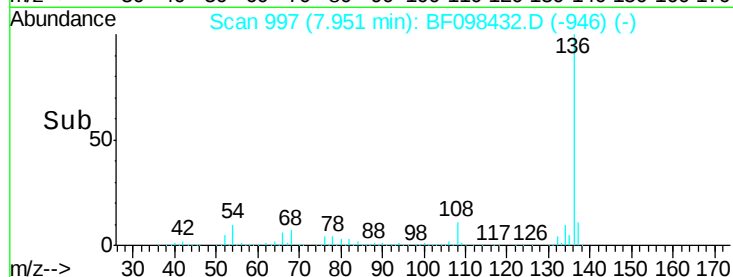
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF098432.D
Acq: 12 Sep 2017 5:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	930794
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.5 12.7
54	10.3	4.9 7.3#
68	7.0	4.1 6.1#

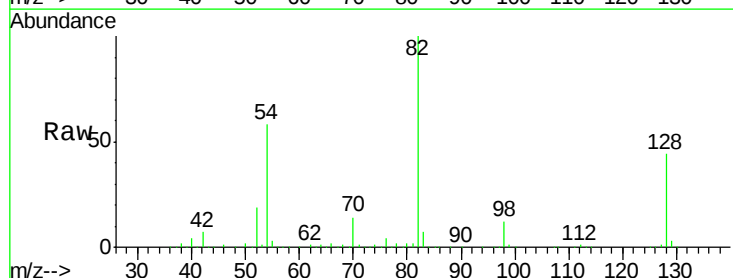


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

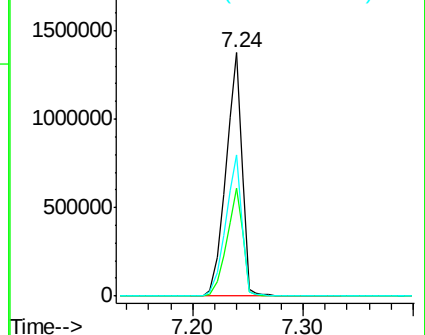
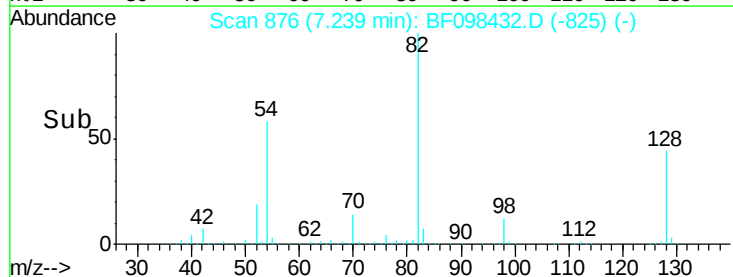


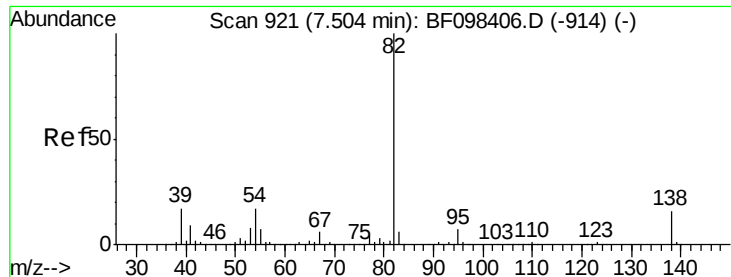
#23
Nitrobenzene-d5
Concen: 84.19 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: BF098432.D
Acq: 12 Sep 2017 5:10

Tgt Ion: 82	Resp:	1405639
Ion Ratio	Lower	Upper
82	100	
128	44.3	34.0 51.0
54	58.2	42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 40.92 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.26 min

Lab File: BF098432.D

Acq: 12 Sep 2017 5:10

Instrument :

BNA_F

ClientSampleId :

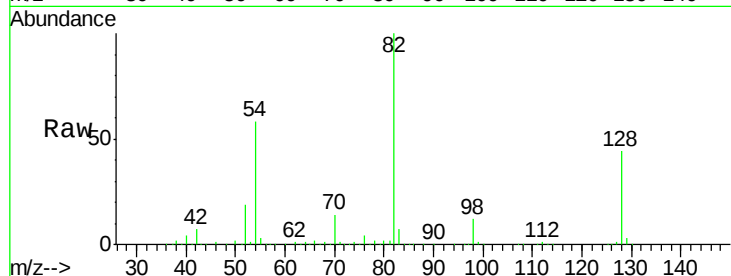
Tot Ion: 82 Resp: 1382399

Ion Ratio Lower Upper

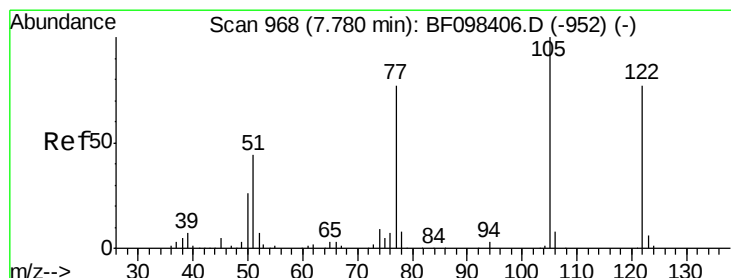
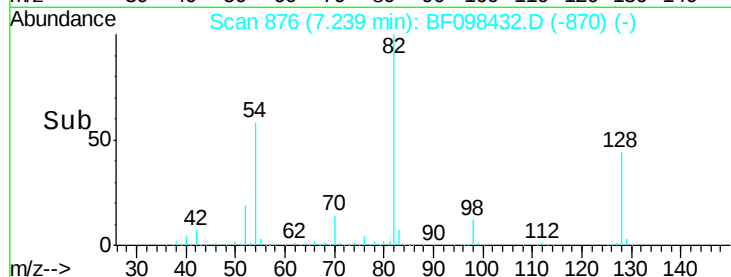
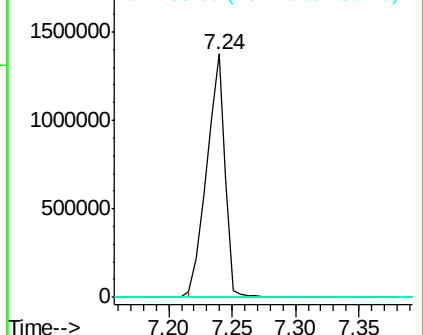
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 8.00 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF098432.D

Acq: 12 Sep 2017 5:10

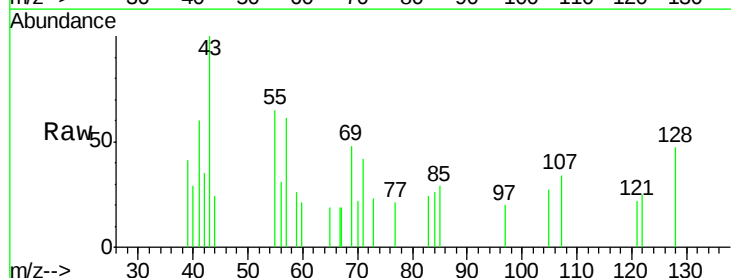
Tgt Ion: 122 Resp: 382

Ion Ratio Lower Upper

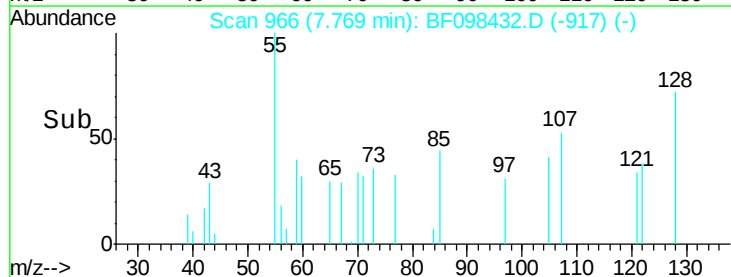
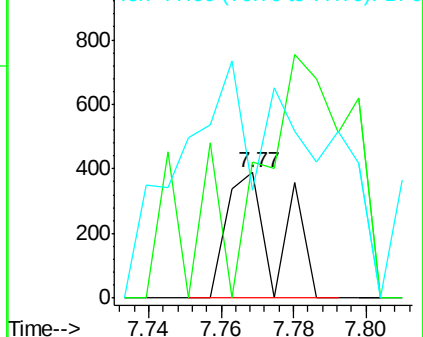
122 100

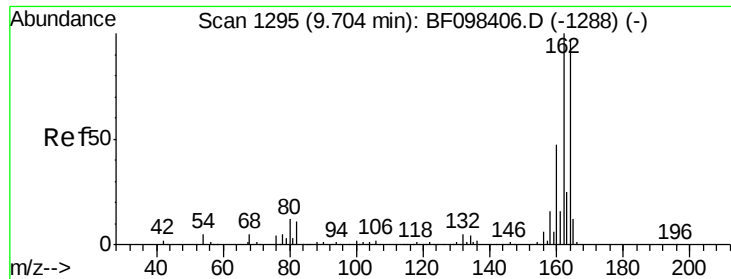
105 108.8 103.3 143.3

77 86.1 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF098432.D

Acq: 12 Sep 2017 5:10

Instrument :

BNA_F

ClientSampleId :

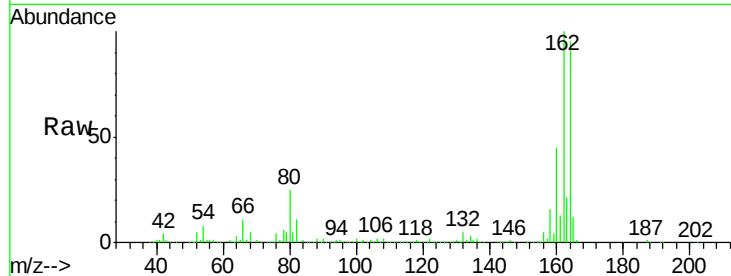
Tot Ion:164 Resp: 382411

Ion Ratio Lower Upper

164 100

162 104.8 82.6 123.8

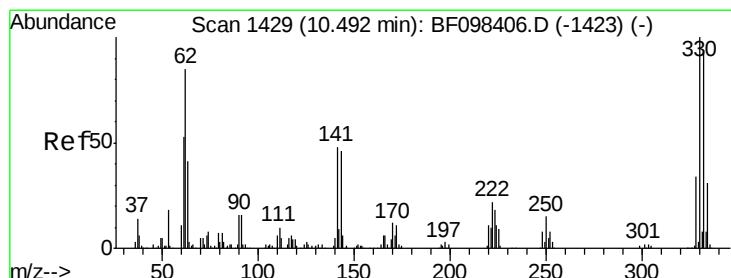
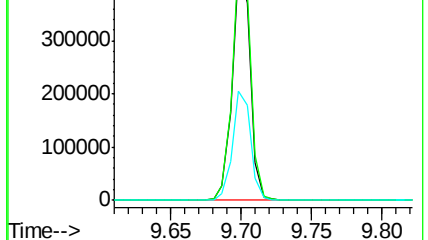
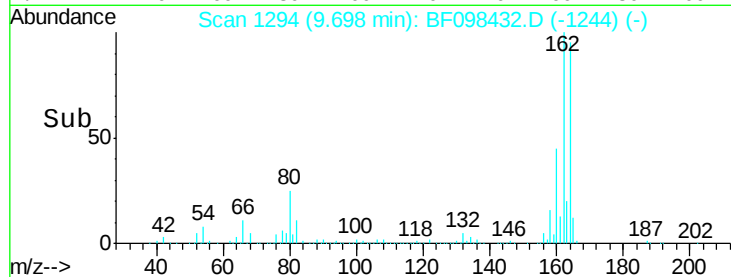
160 46.8 36.2 54.2



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: 118.38 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BF098432.D

Acq: 12 Sep 2017 5:10

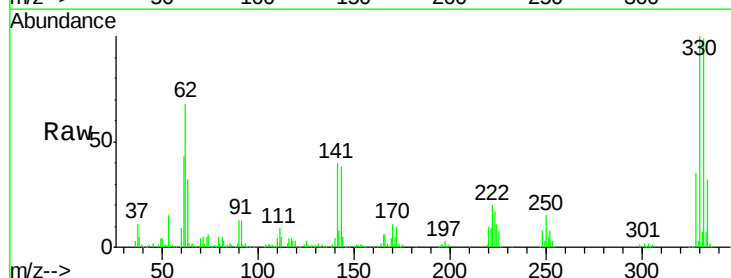
Tgt Ion:330 Resp: 302151

Ion Ratio Lower Upper

330 100

332 98.1 76.6 115.0

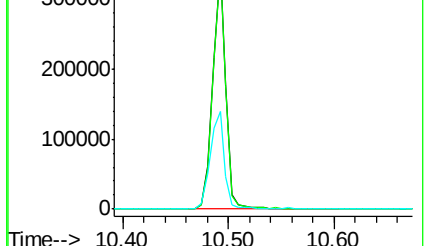
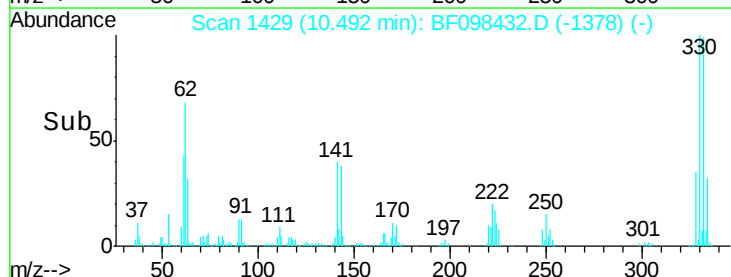
141 43.9 31.4 47.2

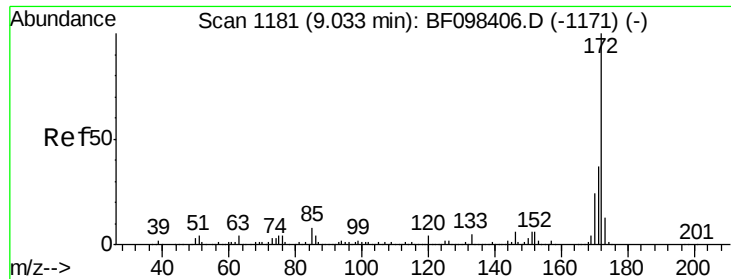


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

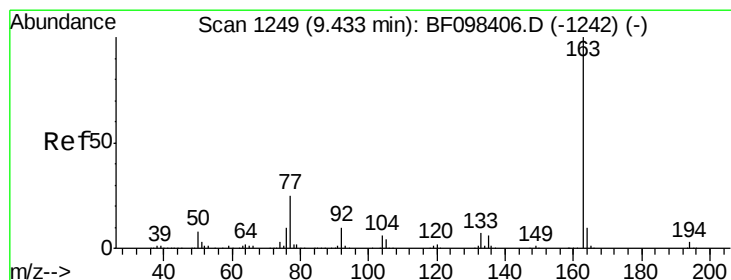
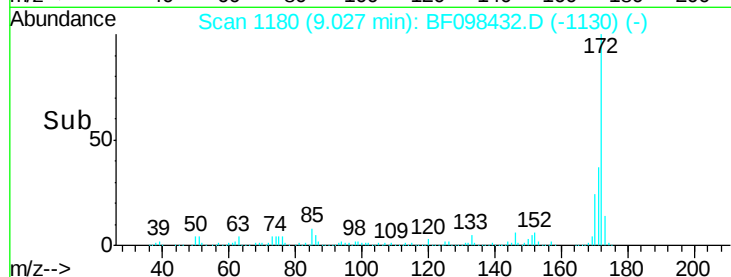
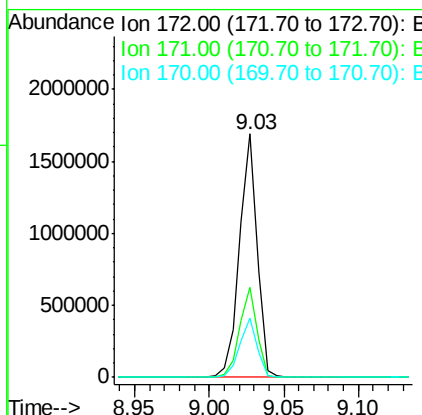
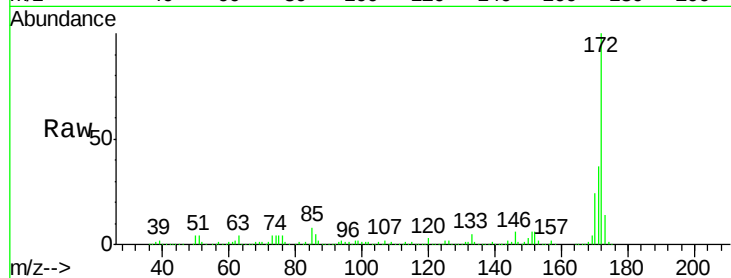




#44
2-Fluorobiphenyl
Concen: 62.57 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BF098432.D
Acq: 12 Sep 2017 5:10

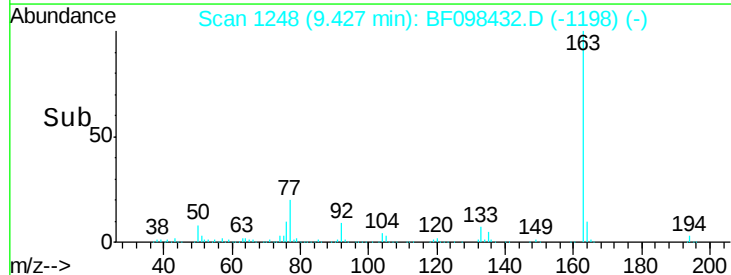
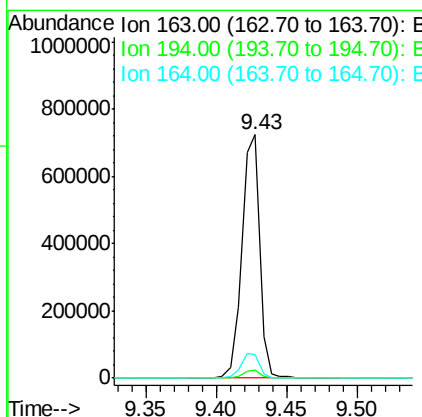
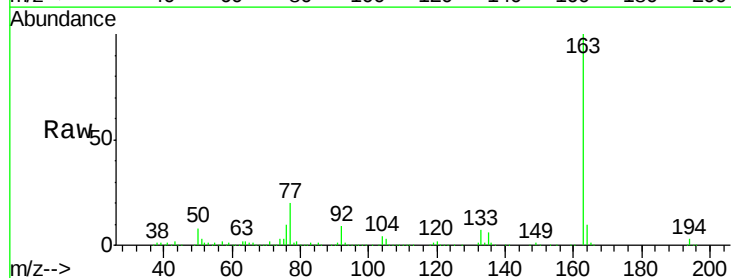
Instrument :
BNA_F
ClientSampleId :

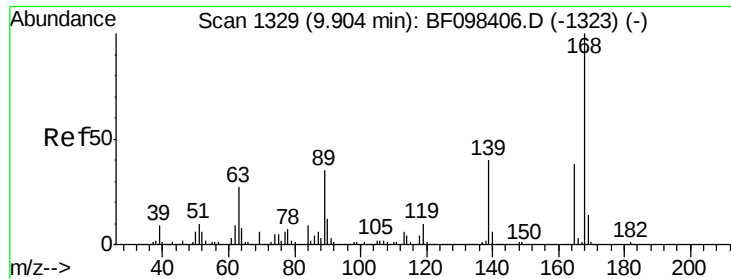
Tot Ion:172 Resp: 1411781
Ion Ratio Lower Upper
172 100
171 36.9 29.6 44.4
170 24.3 19.8 29.8



#49
Dimethylphthalate
Concen: 21.44 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BF098432.D
Acq: 12 Sep 2017 5:10

Tgt Ion:163 Resp: 634525
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.8 8.4 12.6

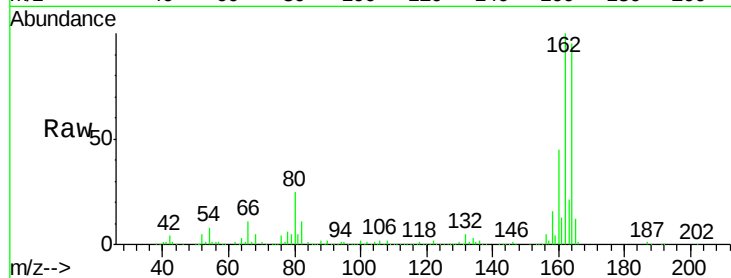




#56
 2,4-Dinitrotoluene
 Concen: 6.77 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.21 min
 Lab File: BF098432.D
 Acq: 12 Sep 2017 5:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	50047
Ion Ratio	Lower	Upper	
165	100		
63	1.9	25.4	38.0#
89	2.3	46.4	69.6#
182	0.0	1.8	2.6#

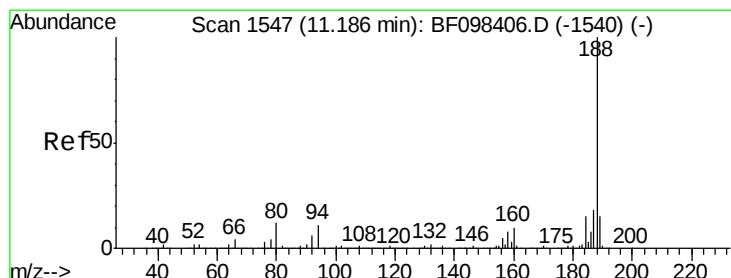
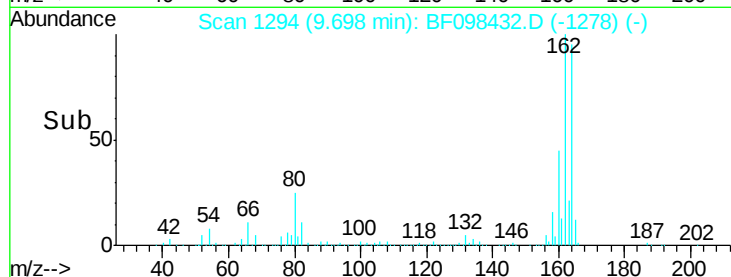
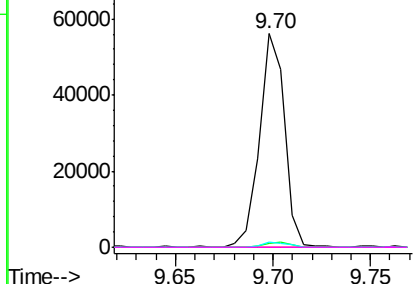


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

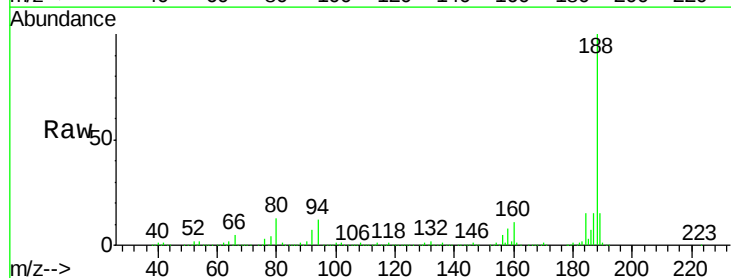
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF098432.D
 Acq: 12 Sep 2017 5:10

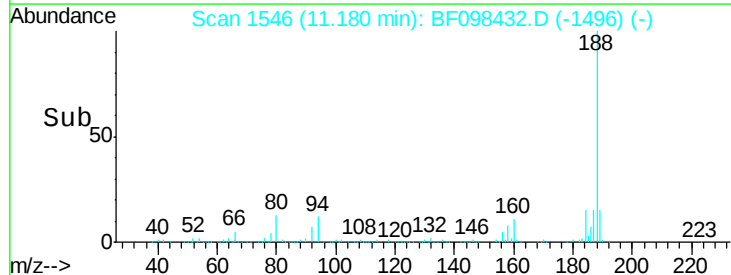
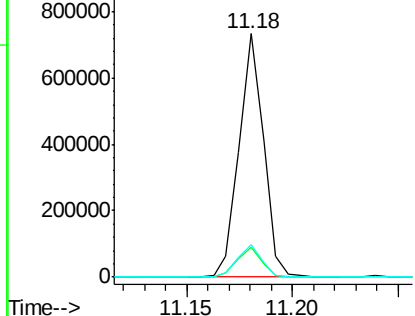
Tgt Ion:	188	Resp:	587628
Ion Ratio	Lower	Upper	
188	100		
94	12.2	9.4	14.2
80	13.1	10.2	15.2

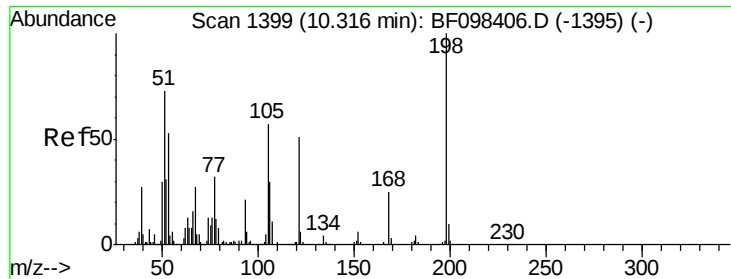


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 5.22 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.18 min

Lab File: BF098432.D

Acq: 12 Sep 2017 5:10

Instrument :

BNA_F

ClientSampleId :

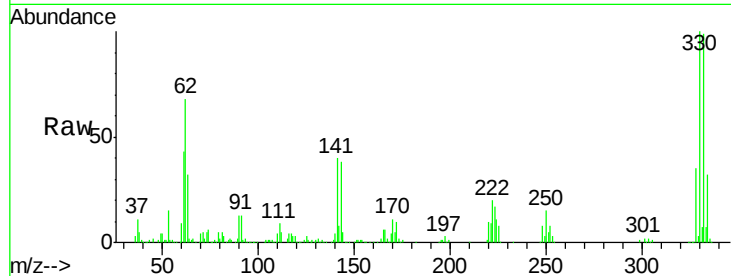
Tot Ion:198 Resp: 1042

Ion Ratio Lower Upper

198 100

51 184.8 53.2 93.2#

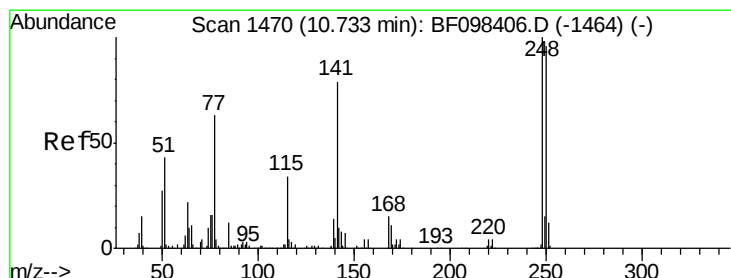
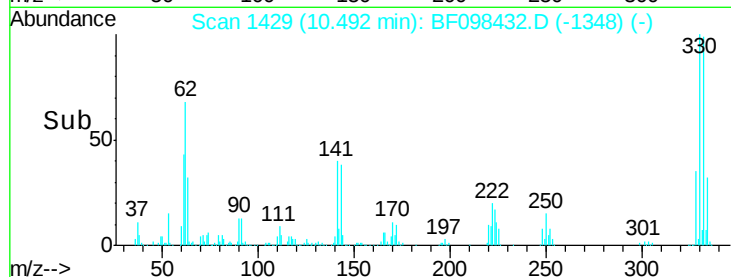
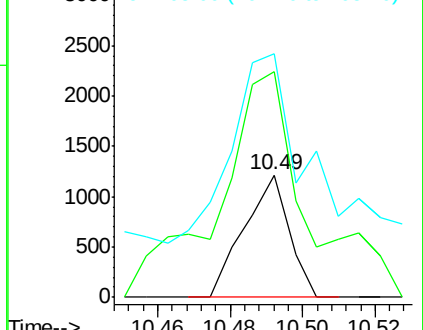
105 199.3 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.21 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.24 min

Lab File: BF098432.D

Acq: 12 Sep 2017 5:10

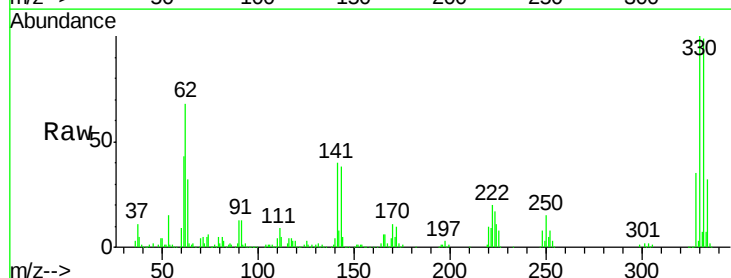
Tgt Ion:248 Resp: 23454

Ion Ratio Lower Upper

248 100

250 192.9 76.8 115.2#

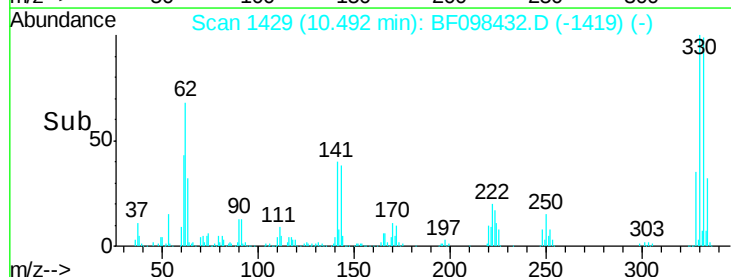
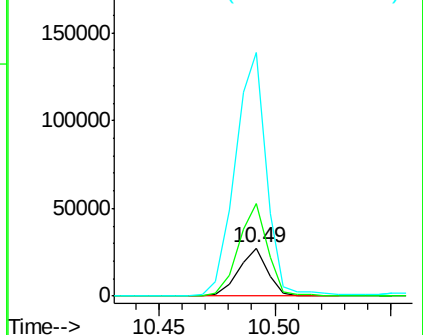
141 509.3 68.6 103.0#

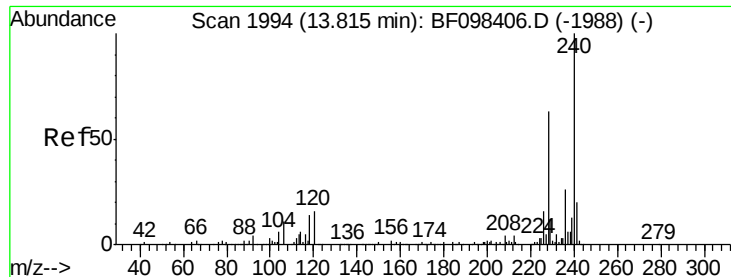


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098432.D

Acq: 12 Sep 2017 5:10

Instrument :

BNA_F

ClientSampleId :

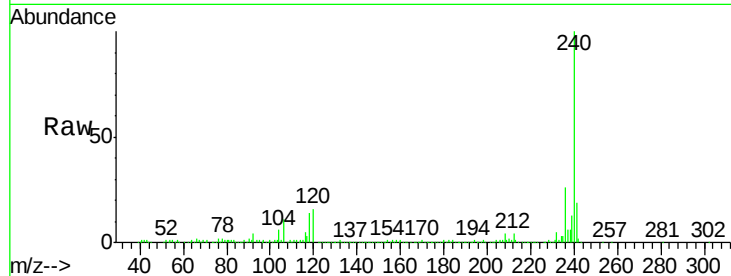
Tot Ion:240 Resp: 371609

Ion Ratio Lower Upper

240 100

120 16.1 5.8 8.8#

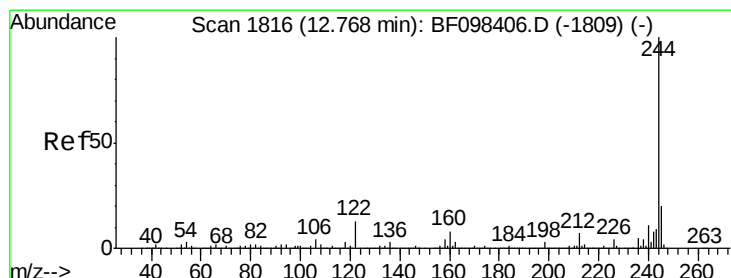
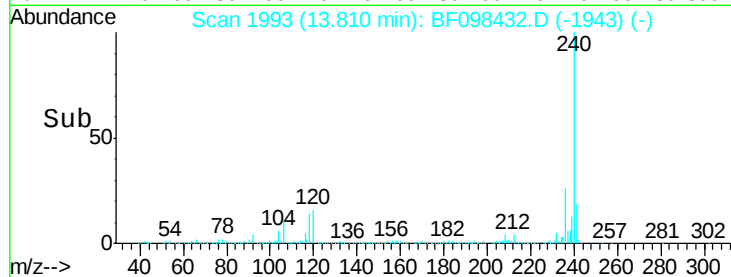
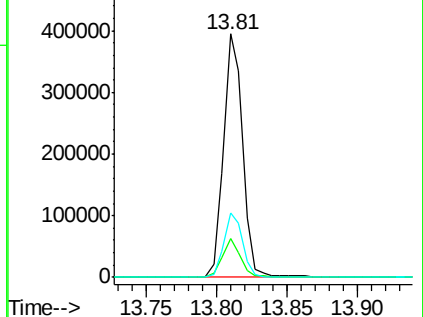
236 26.4 20.5 30.7



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: 46.27 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF098432.D

Acq: 12 Sep 2017 5:10

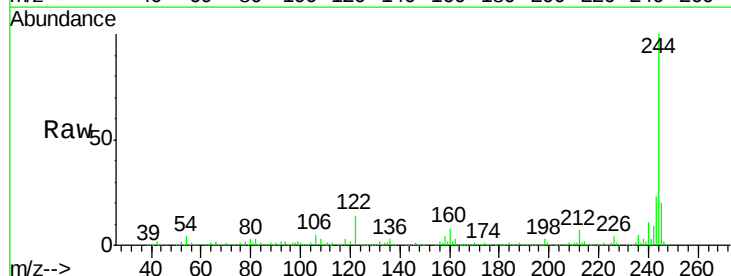
Tgt Ion:244 Resp: 796552

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

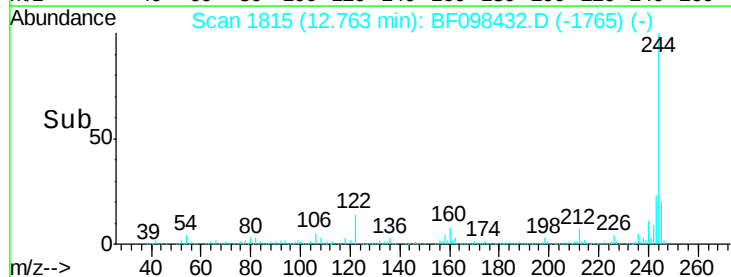
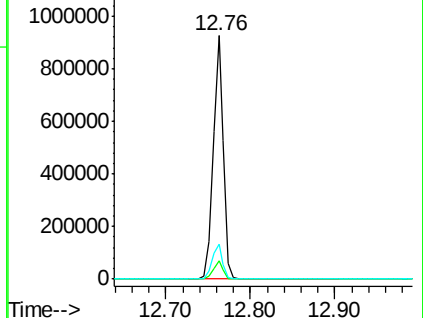
122 14.1 10.3 15.5

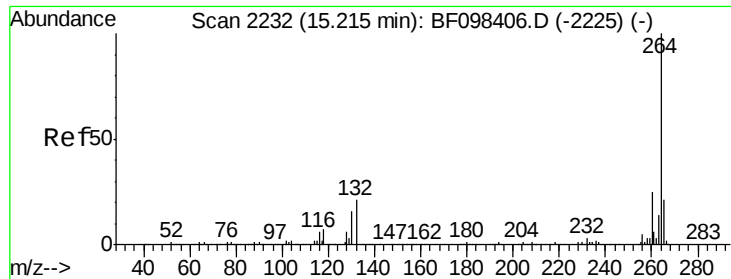


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

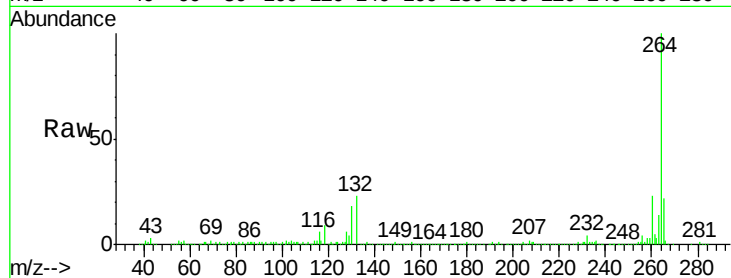




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.22 min Scan# 2232
 Delta R.T. 0.00 min
 Lab File: BF098432.D
 Acq: 12 Sep 2017 5:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.9	17.2	25.8



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

