

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
 Data File : BF098600.D
 Acq On : 18 Sep 2017 14:18
 Operator : SJ/JU
 Sample : PB102369BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:32:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	134597	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	580705	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	295232	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	601398	20.00	ng	0.00
75) Chrysene-d12	13.78	240	519481	20.00	ng	0.00
86) Perylene-d12	15.17	264	382907	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	1074759	118.06	ng	0.01
7) Phenol-d6	6.29	99	1317587	113.99	ng	0.00
23) Nitrobenzene-d5	7.20	82	854535	82.04	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	337852	171.46	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	1622618	93.15	ng	0.00
78) Terphenyl-d14	12.74	244	1808419	75.14	ng	0.00

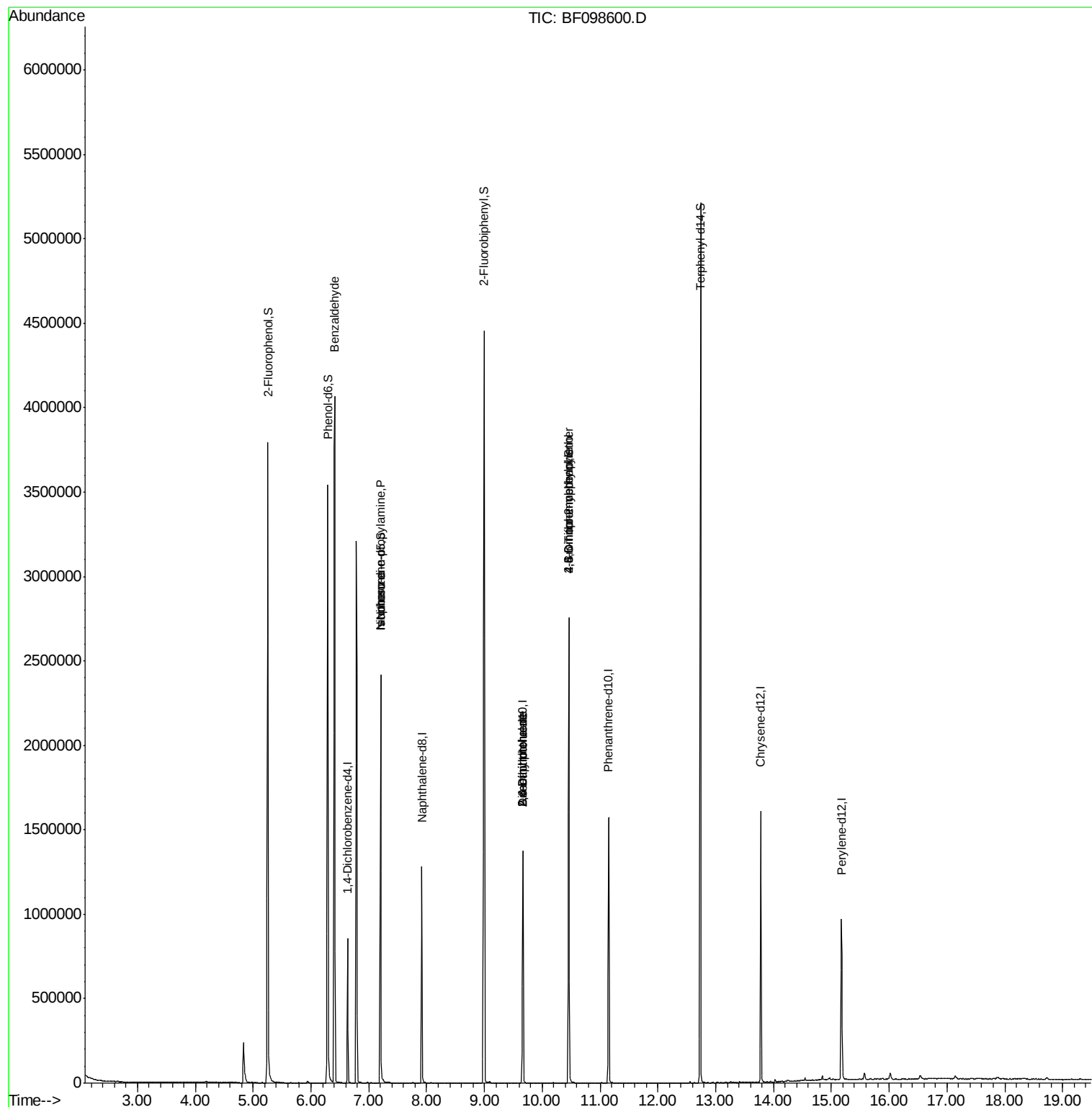
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.41	77	25717	3.404	ng	82
19) n-Nitroso-di-n-propylamine	7.20	70	115587	15.898	ng	# 79
25) Isophorone	7.20	82	854524	40.547	ng	# 67
49) Dimethylphthalate	9.67	163	86457	3.783	ng	# 1
50) 2,6-Dinitrotoluene	9.66	165	38186	8.134	ng	# 34
56) 2,4-Dinitrotoluene	9.66	165	38186	6.691	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.46	198	884	5.179	ng	# 1
66) 4-Bromophenyl-phenylether	10.46	248	25882	4.534	ng	# 1

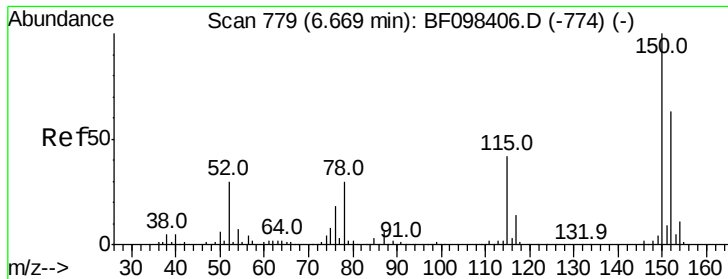
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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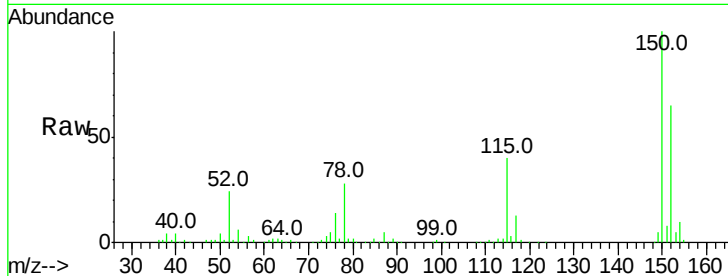


#1

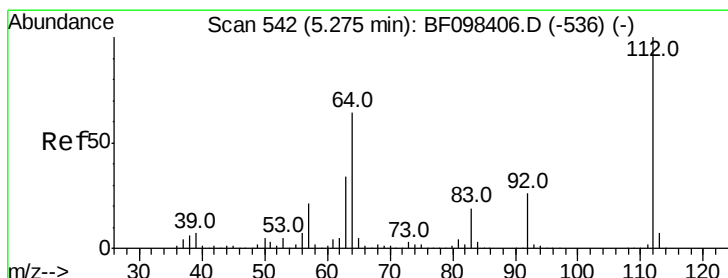
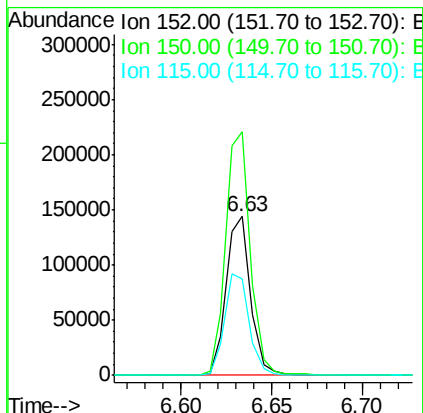
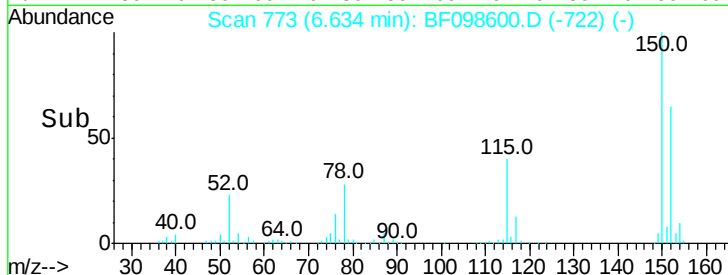
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF098600.D
Acq: 18 Sep 2017 14:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134597
Ion Ratio Lower Upper
152 100
150 153.6 126.2 189.2
115 60.7 52.2 78.2



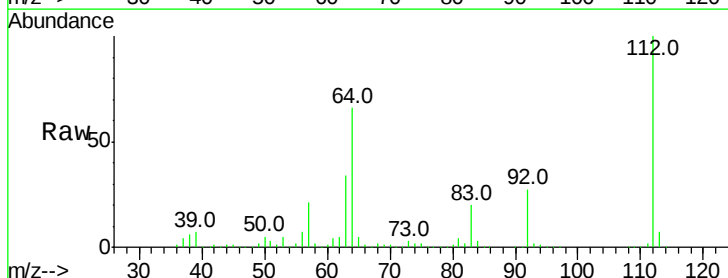
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



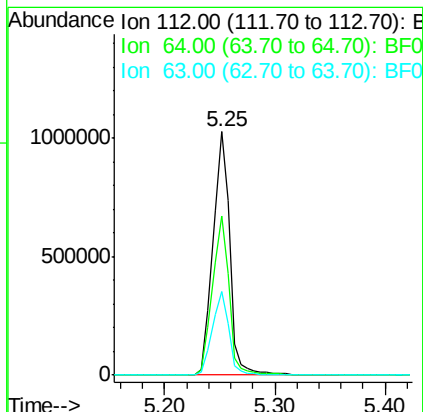
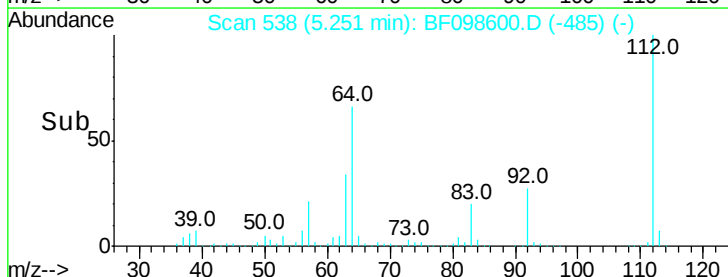
#5

2-Fluorophenol
Concen: 118.060 ng
RT: 5.25 min Scan# 538
Delta R.T. 0.01 min
Lab File: BF098600.D
Acq: 18 Sep 2017 14:18

Tgt Ion:112 Resp: 1074759
Ion Ratio Lower Upper
112 100
64 65.6 46.0 69.0
63 34.2 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: 113.994 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.00 min

Lab File: BF098600.D

Acq: 18 Sep 2017 14:18

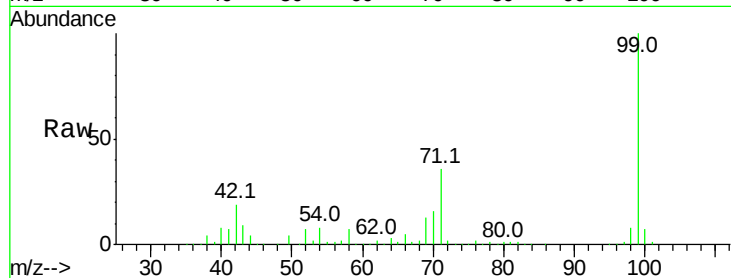
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1317587

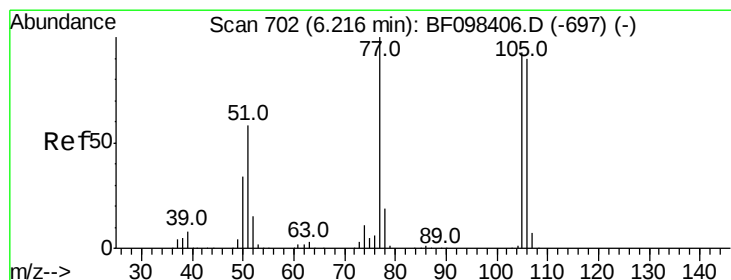
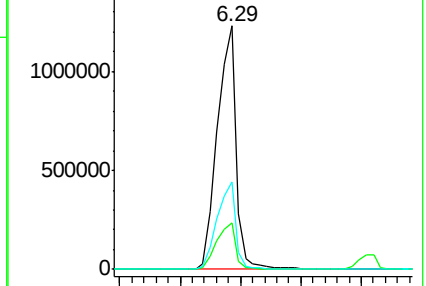
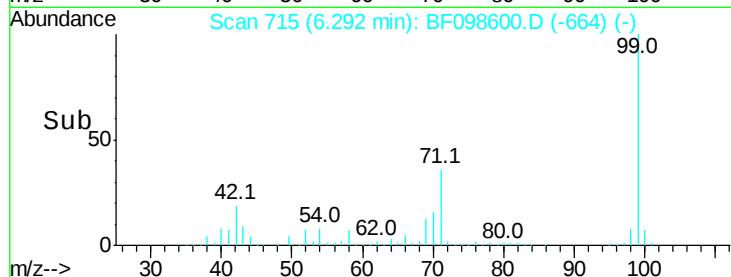
Ion	Ratio	Lower	Upper
99	100		
42	19.3	13.5	20.3
71	35.7	24.5	36.7



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: 3.404 ng

RT: 6.41 min Scan# 735

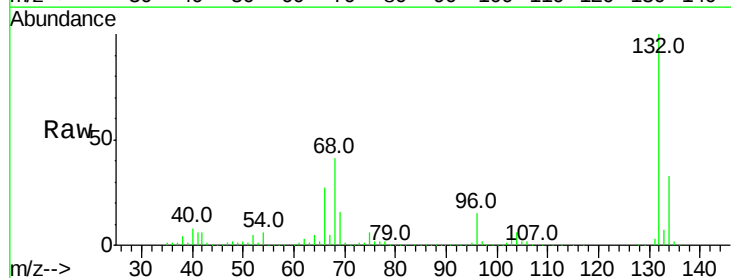
Delta R.T. 0.22 min

Lab File: BF098600.D

Acq: 18 Sep 2017 14:18

Tgt Ion: 77 Resp: 25717

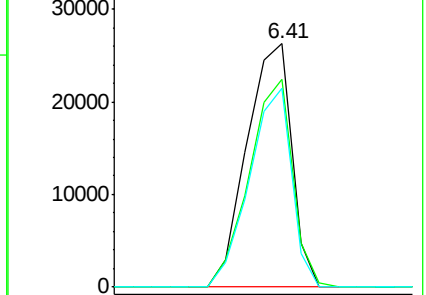
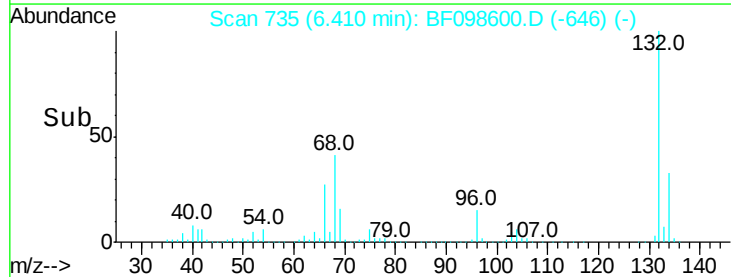
Ion	Ratio	Lower	Upper
77	100		
105	85.4	83.8	123.8
106	81.7	79.1	119.1

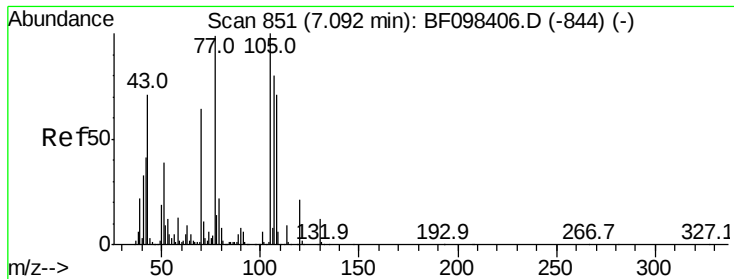


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 15.898 ng

RT: 7.20 min Scan# 870

Delta R.T. 0.15 min

Lab File: BF098600.D

Acq: 18 Sep 2017 14:18

Instrument :

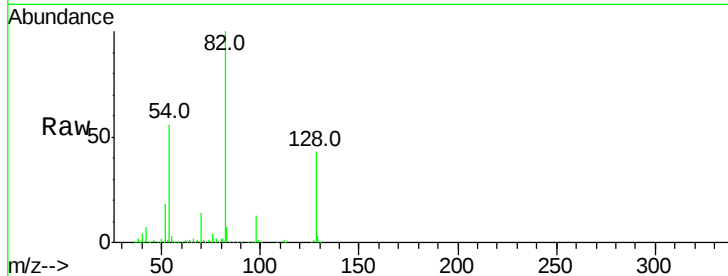
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 115587

Ion Ratio Lower Upper

70	100		
42	48.2	47.2	70.8
101	0.0	7.2	10.8#
130	2.1	15.9	23.9#

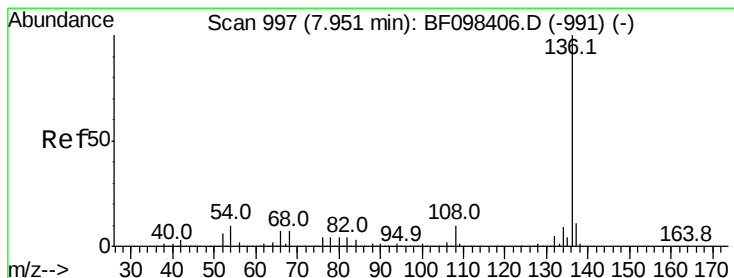
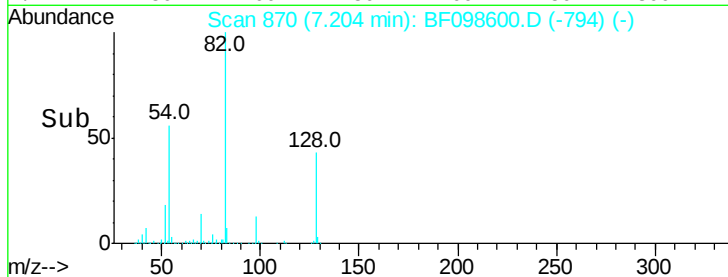
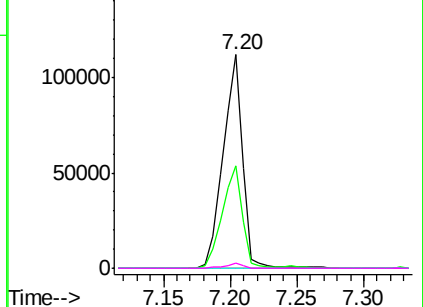


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.000 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF098600.D

Acq: 18 Sep 2017 14:18

Tgt Ion: 136 Resp: 580705

Ion Ratio Lower Upper

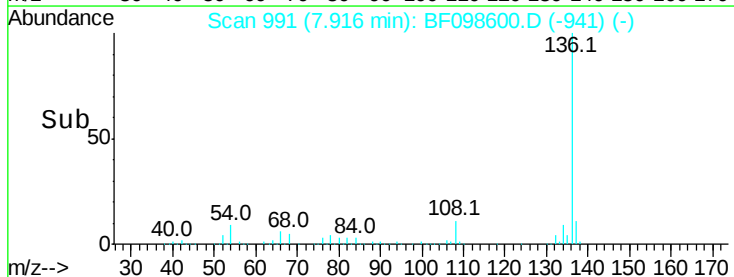
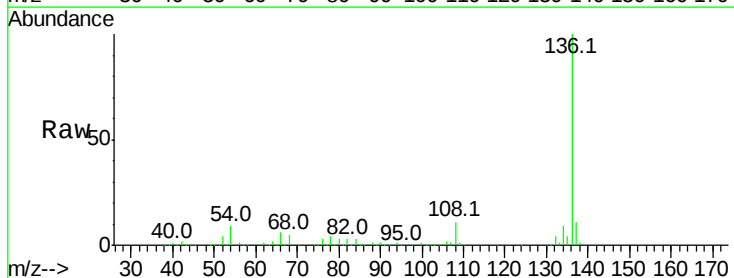
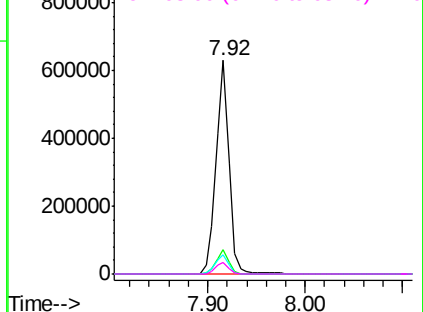
136	100		
137	11.3	8.5	12.7
54	8.9	4.9	7.3#
68	5.3	4.1	6.1

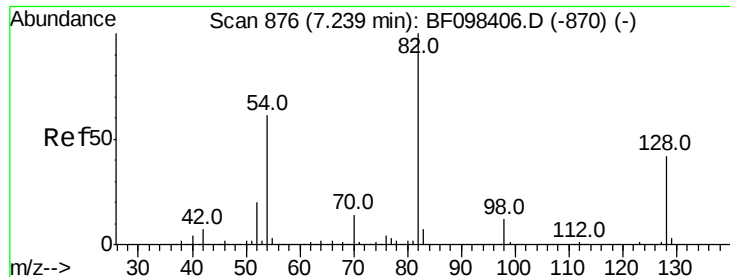
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

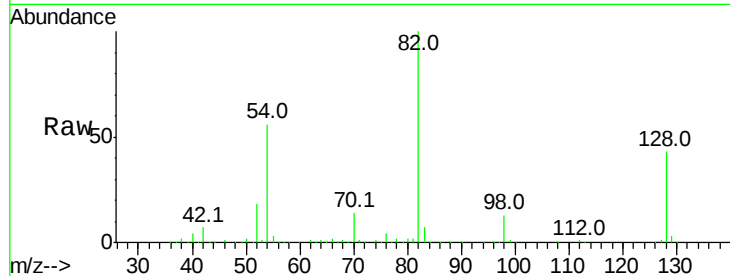




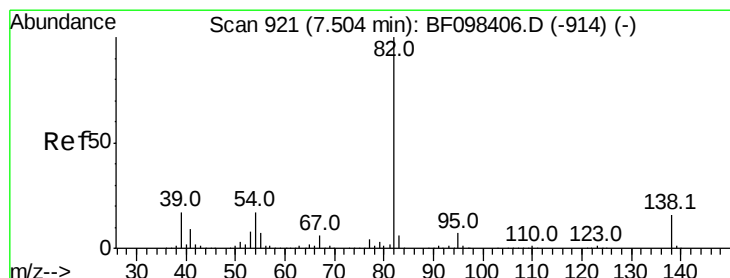
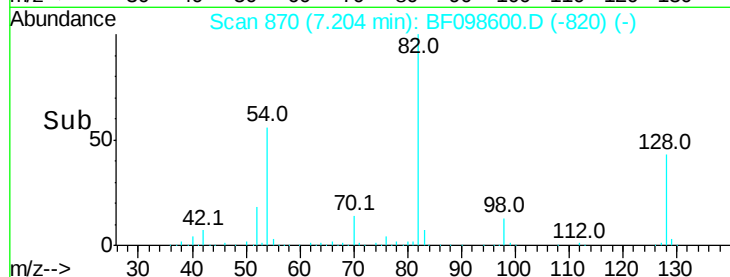
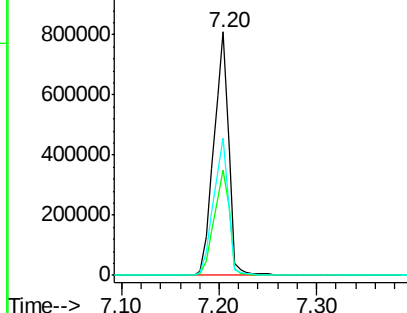
#23
Nitrobenzene-d5
Concen: 82.038 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF098600.D
Acq: 18 Sep 2017 14:18

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 854535
Ion Ratio Lower Upper
82 100
128 43.4 34.0 51.0
54 56.4 42.2 63.2

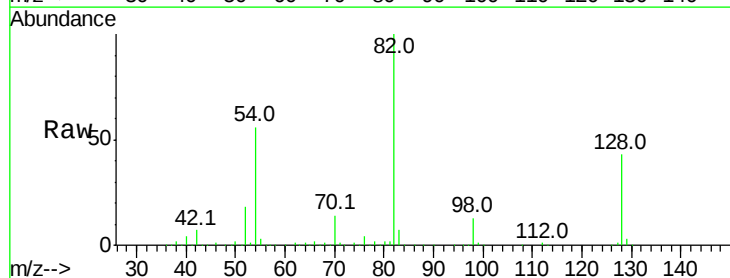


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

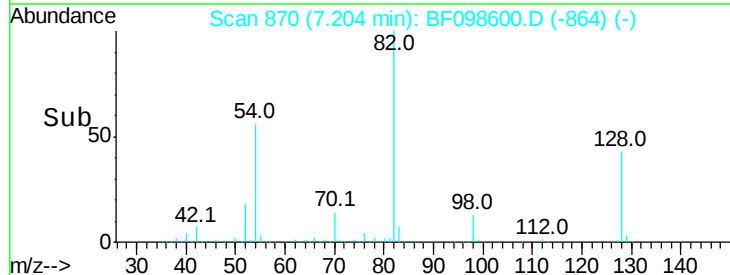
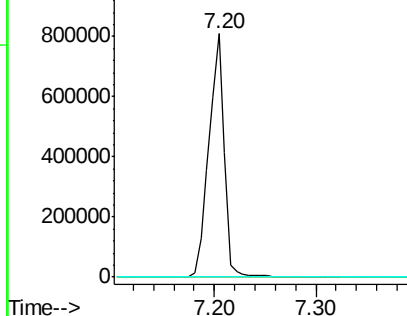


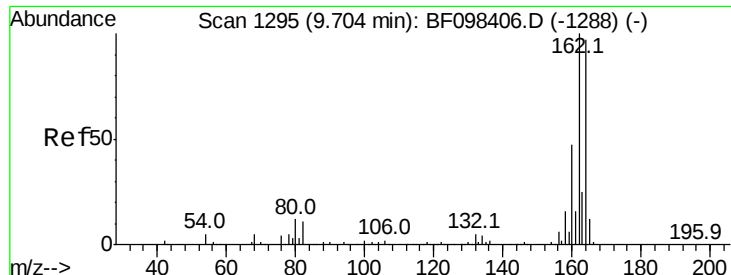
#25
Isophorone
Concen: 40.547 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.26 min
Lab File: BF098600.D
Acq: 18 Sep 2017 14:18

Tgt Ion: 82 Resp: 854524
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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF098600.D

Acq: 18 Sep 2017 14:18

Instrument :

BNA_F

ClientSampleId :

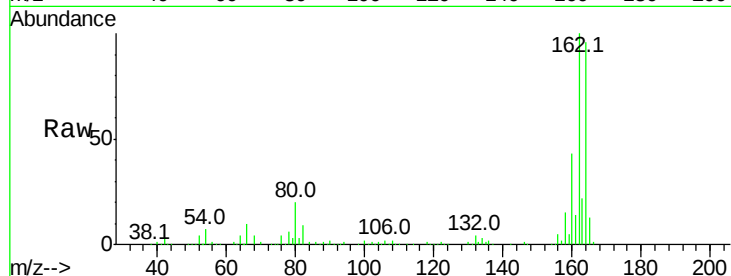
Tot Ion:164 Resp: 295232

Ion Ratio Lower Upper

164 100

162 103.8 82.6 123.8

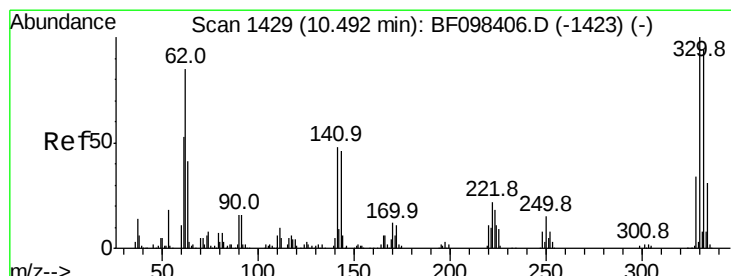
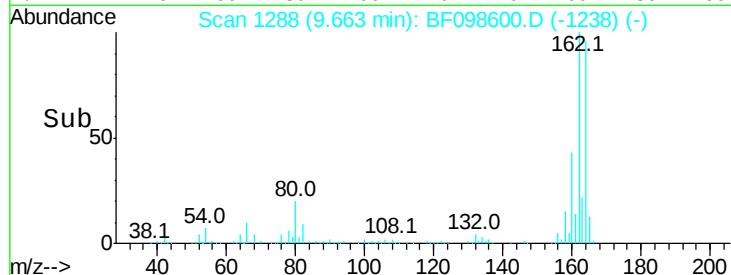
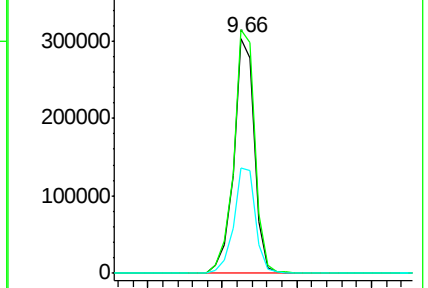
160 45.0 36.2 54.2



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: 171.461 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.00 min

Lab File: BF098600.D

Acq: 18 Sep 2017 14:18

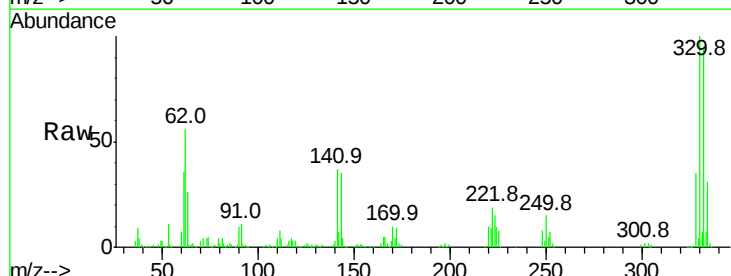
Tgt Ion:330 Resp: 337852

Ion Ratio Lower Upper

330 100

332 95.5 76.6 115.0

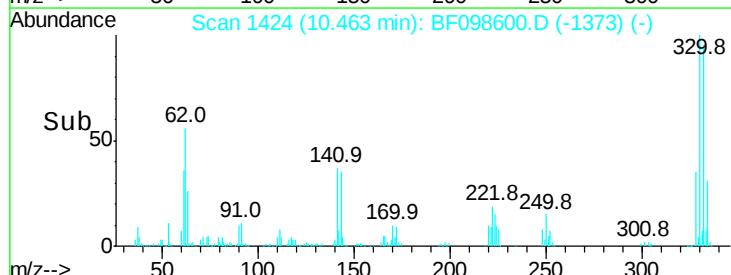
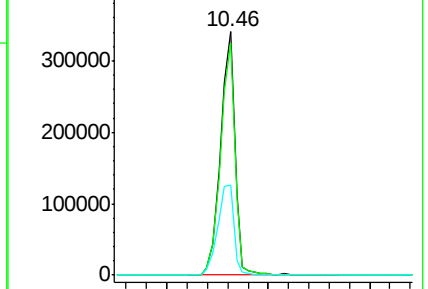
141 41.5 31.4 47.2

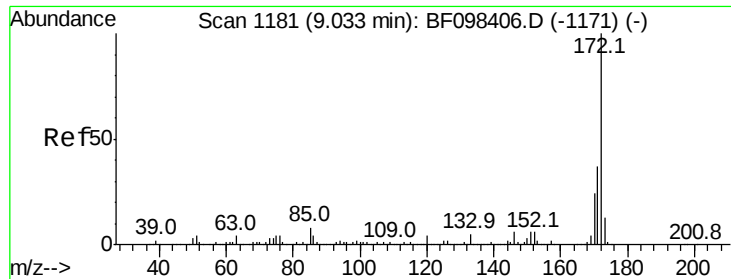


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

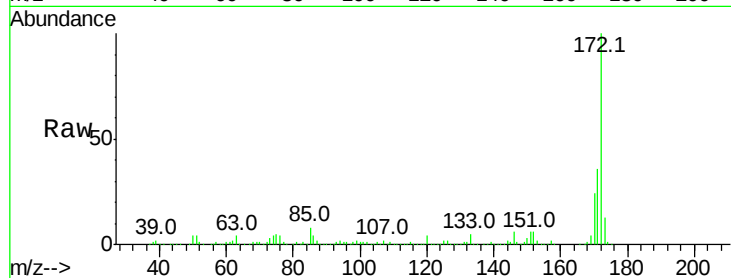




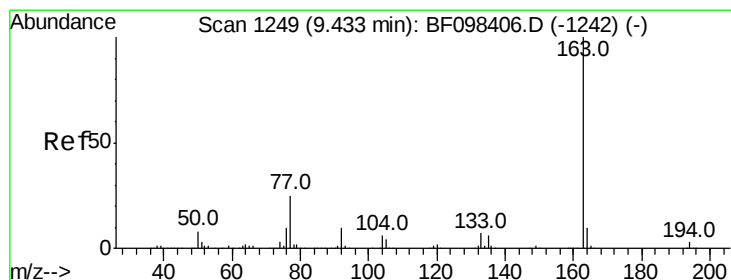
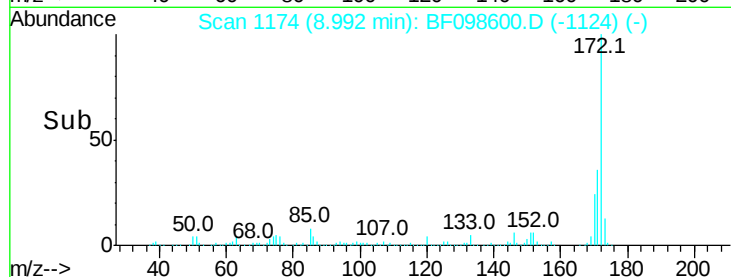
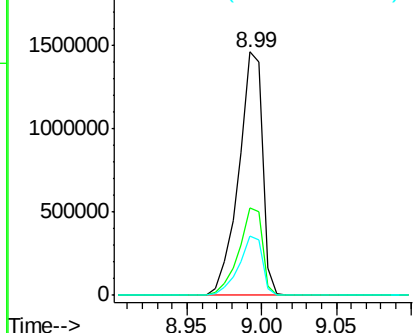
#44
2-Fluorobiphenyl
Concen: 93.154 ng
RT: 8.99 min Scan# 1174
Delta R.T. -0.01 min
Lab File: BF098600.D
Acq: 18 Sep 2017 14:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1622618
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.1 19.8 29.8

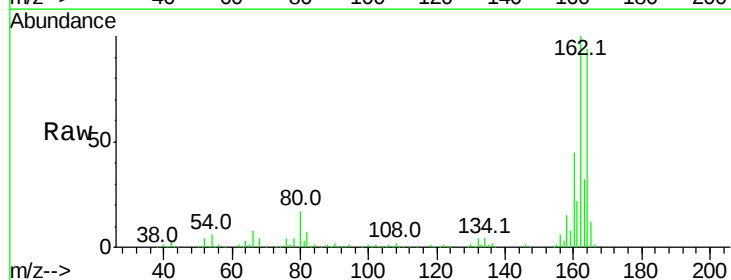


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

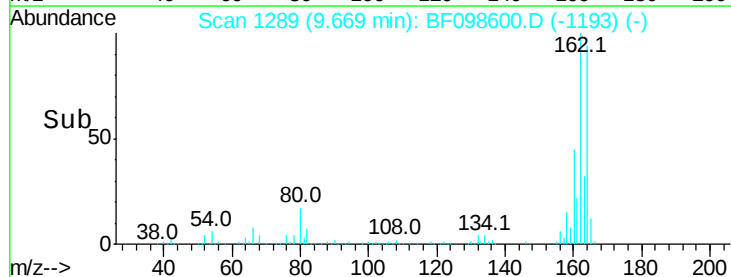
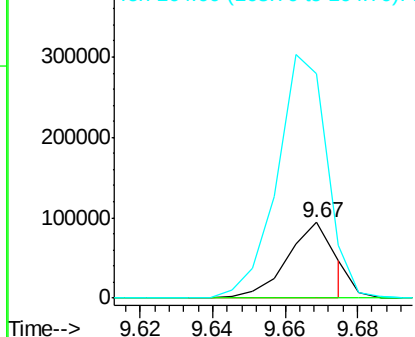


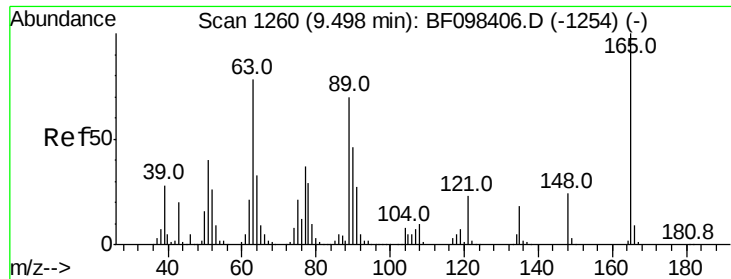
#49
Dimethylphthalate
Concen: 3.783 ng
RT: 9.67 min Scan# 1289
Delta R.T. 0.26 min
Lab File: BF098600.D
Acq: 18 Sep 2017 14:18

Tgt Ion:163 Resp: 86457
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 295.6 8.4 12.6#



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

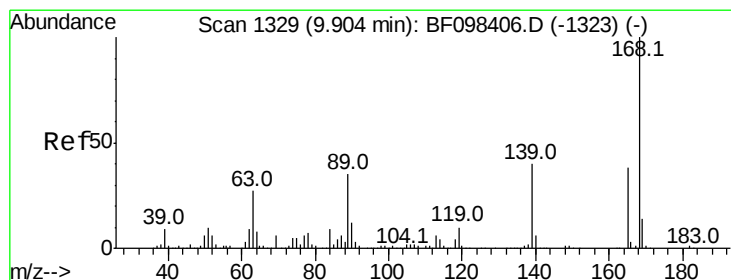
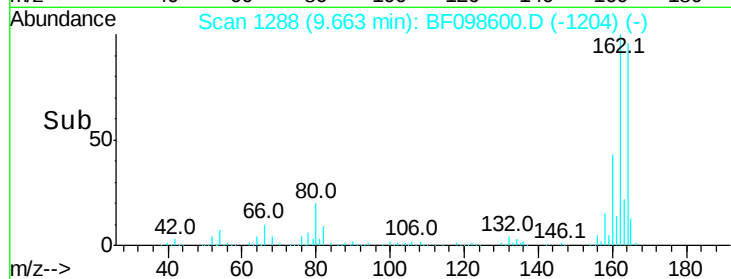
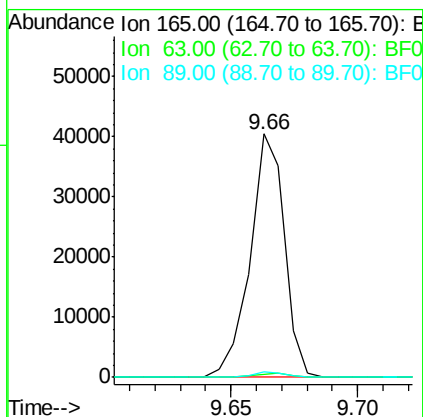
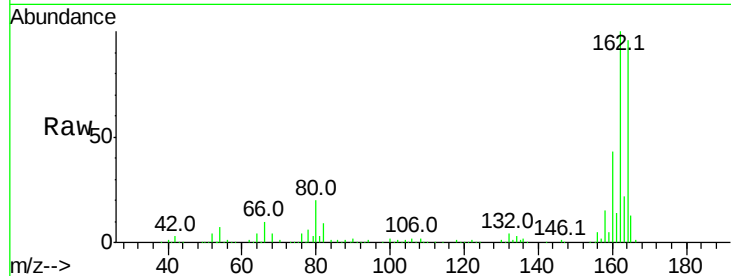




#50
 2,6-Dinitrotoluene
 Concen: 8.134 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. 0.19 min
 Lab File: BF098600.D
 Acq: 18 Sep 2017 14:18

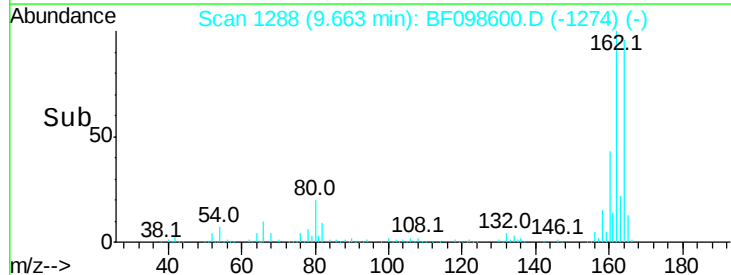
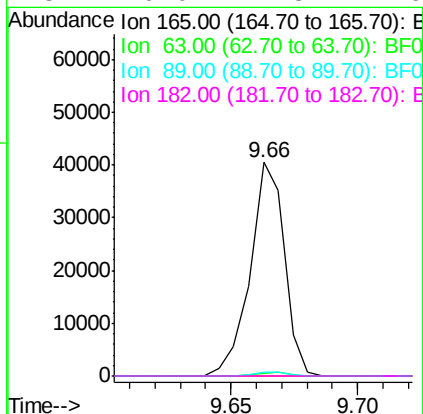
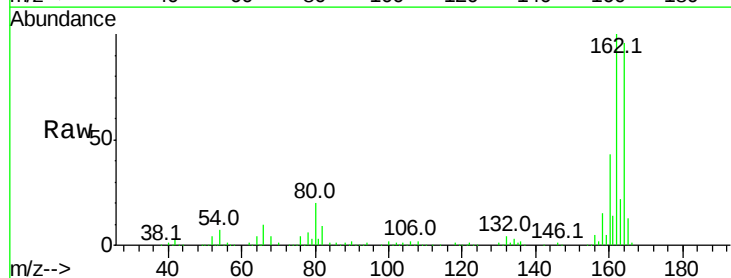
Instrument :
 BNA_F
 ClientSampleId :

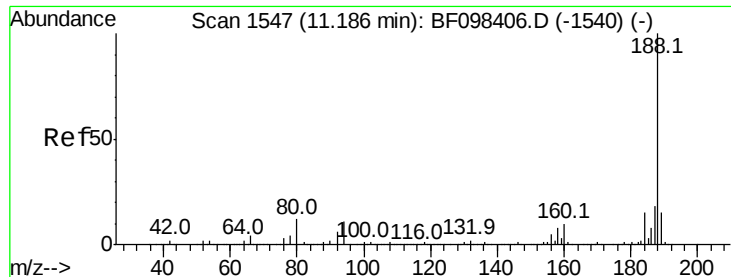
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.3	51.5#
89	2.0	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.691 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. -0.22 min
 Lab File: BF098600.D
 Acq: 18 Sep 2017 14:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.15 min Scan# 1541

Delta R.T. -0.00 min

Lab File: BF098600.D

Acq: 18 Sep 2017 14:18

Instrument :

BNA_F

ClientSampleId :

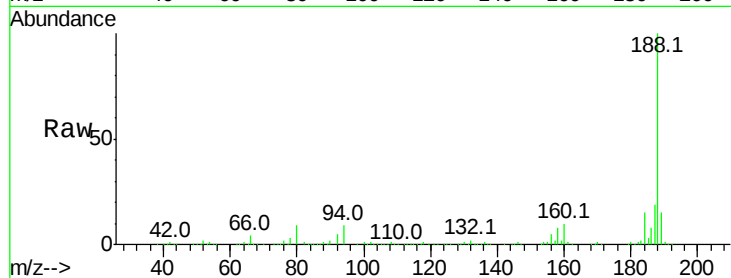
Tot Ion:188 Resp: 601398

Ion Ratio Lower Upper

188 100

94 8.5 9.4 14.2#

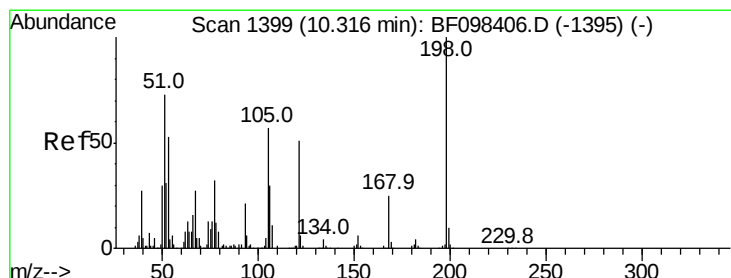
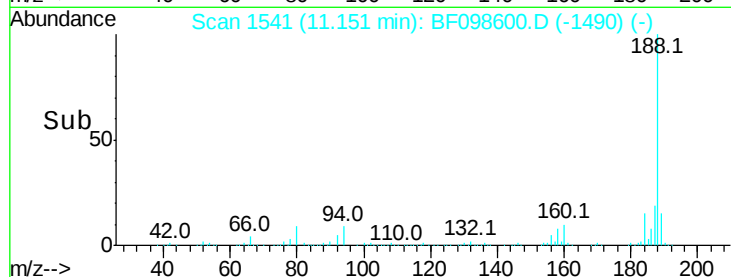
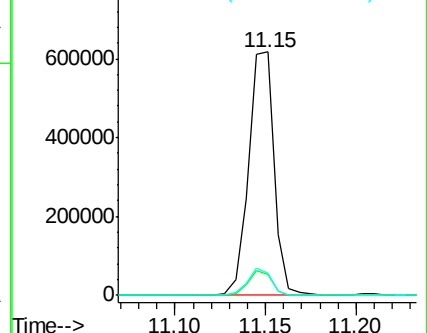
80 8.9 10.2 15.2#



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: 5.179 ng

RT: 10.46 min Scan# 1423

Delta R.T. 0.16 min

Lab File: BF098600.D

Acq: 18 Sep 2017 14:18

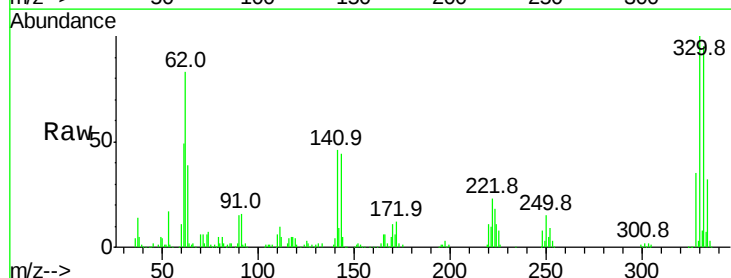
Tgt Ion:198 Resp: 884

Ion Ratio Lower Upper

198 100

51 146.6 53.2 93.2#

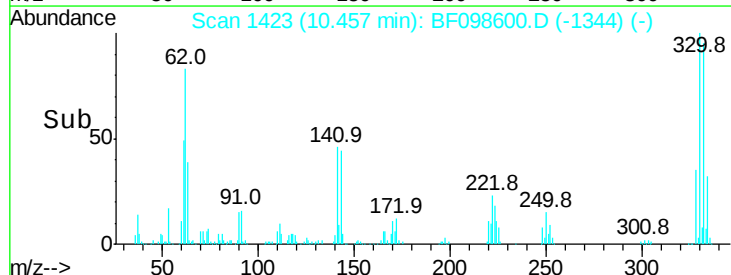
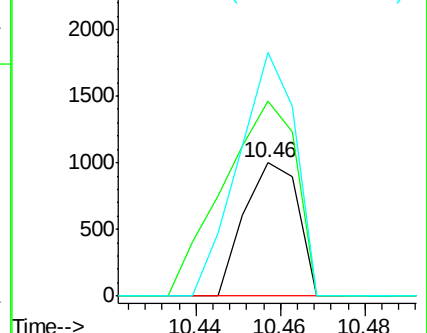
105 183.0 45.8 85.8#

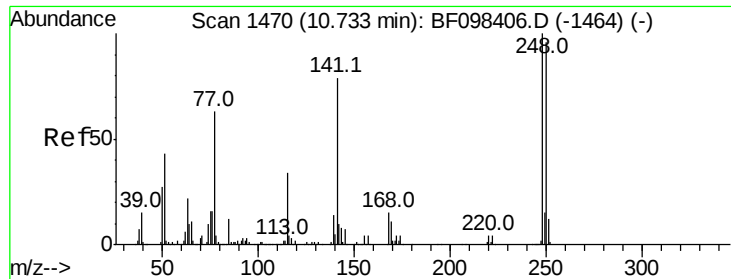


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

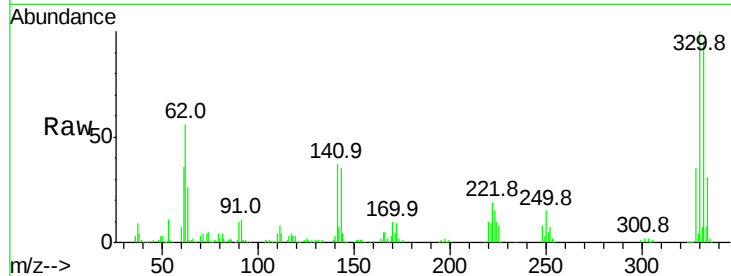




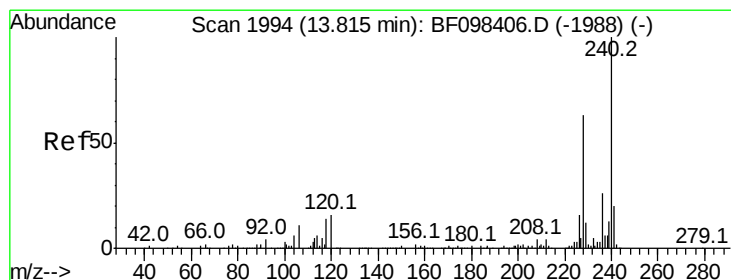
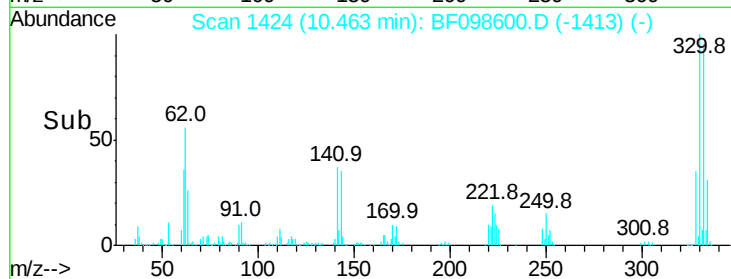
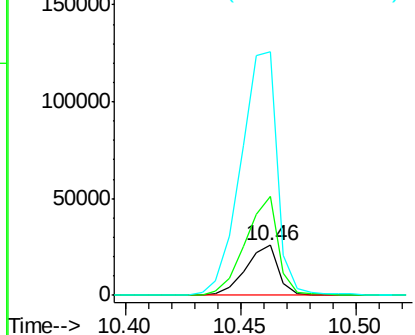
#66
 4-Bromophenyl-phenylether
 Concen: 4.534 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.24 min
 Lab File: BF098600.D
 Acq: 18 Sep 2017 14:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 25882
 Ion Ratio Lower Upper
 248 100
 250 196.8 76.8 115.2#
 141 484.8 68.6 103.0#

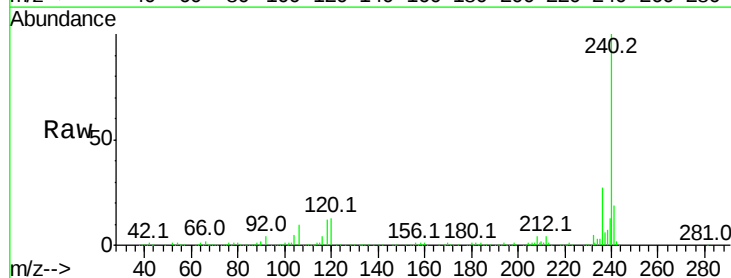


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

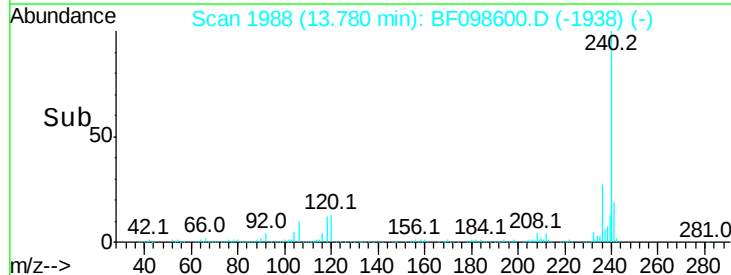
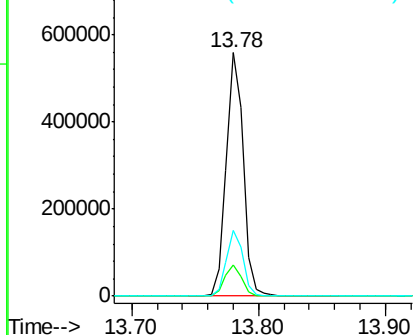


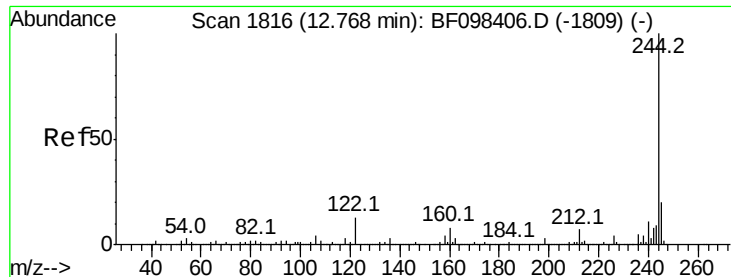
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.78 min Scan# 1988
 Delta R.T. -0.01 min
 Lab File: BF098600.D
 Acq: 18 Sep 2017 14:18

Tgt Ion:240 Resp: 519481
 Ion Ratio Lower Upper
 240 100
 120 13.0 5.8 8.8#
 236 26.9 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: 75.140 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.01 min

Lab File: BF098600.D

Acq: 18 Sep 2017 14:18

Instrument :

BNA_F

ClientSampleId :

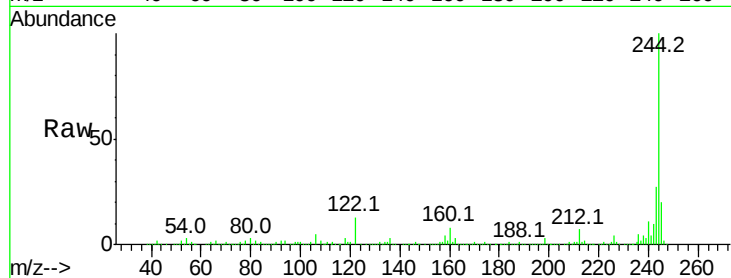
Tot Ion:244 Resp: 1808419

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

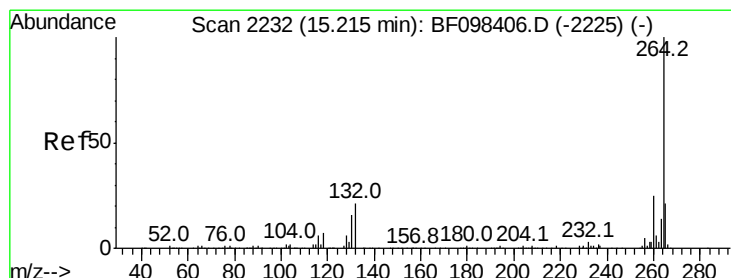
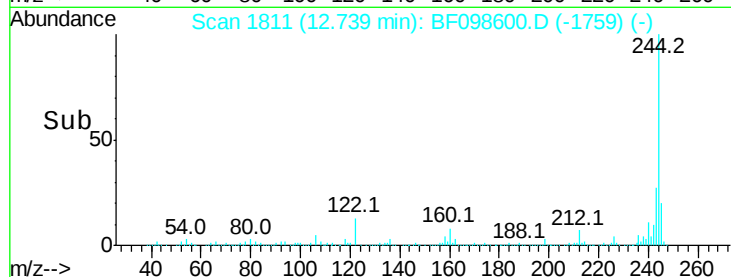
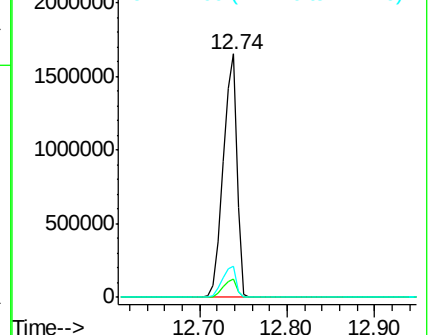
122 12.8 10.3 15.5



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

Perylene-d12

Concen: 20.000 ng

RT: 15.17 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BF098600.D

Acq: 18 Sep 2017 14:18

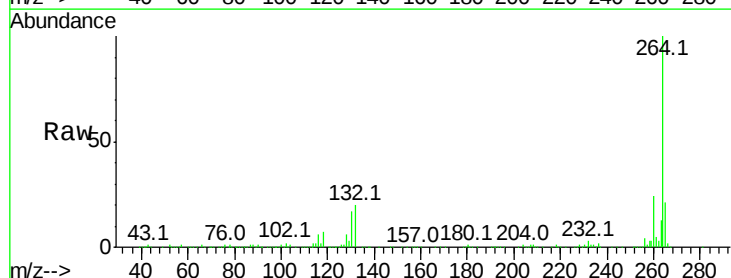
Tgt Ion:264 Resp: 382907

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 20.8 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

