

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121316\
 Data File : BF091551.D
 Acq On : 13 Dec 2016 14:00
 Operator : UM/SJ
 Sample : H6009-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1M-SF-HL-02

Quant Time: Dec 14 00:16:47 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	297511	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	1268843	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	612646	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	1014428	20.00	ng	0.00
75) Chrysene-d12	13.96	240	813868	20.00	ng	0.00
86) Perylene-d12	15.37	264	675612	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	2229695	126.26	ng	0.01
7) Phenol-d6	6.45	99	3104527	141.02	ng	0.00
23) Nitrobenzene-d5	7.38	82	2085721	91.74	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	645295	126.81	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2982581	84.12	ng	-0.01
78) Terphenyl-d14	12.92	244	2811959	78.40	ng	0.00

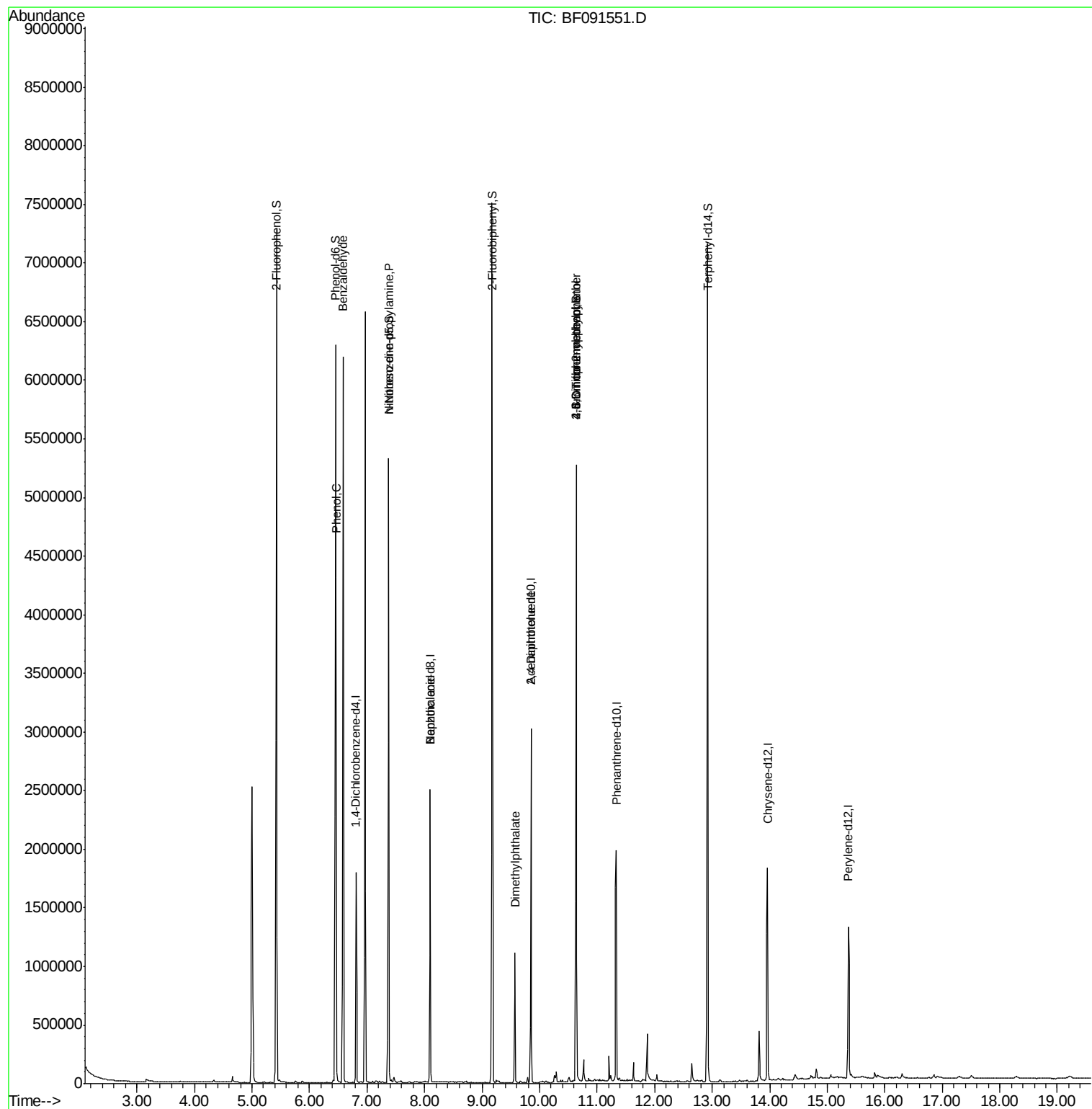
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	60134	3.97	ng	87
10) Phenol	6.46	94	123587	4.80	ng	# 67
19) n-Nitroso-di-n-propylamine	7.38	70	284231	20.65	ng	# 64
20) 3+4-Methylphenols	6.96	107	635	Below Cal		# 1
32) Benzoic acid	8.10	122	249	4.91	ng	# 1
49) Dimethylphthalate	9.57	163	624252	16.09	ng	99
56) 2,4-Dinitrotoluene	9.85	165	79999	7.50	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.64	198	1736	3.21	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	40391	3.88	ng	# 1

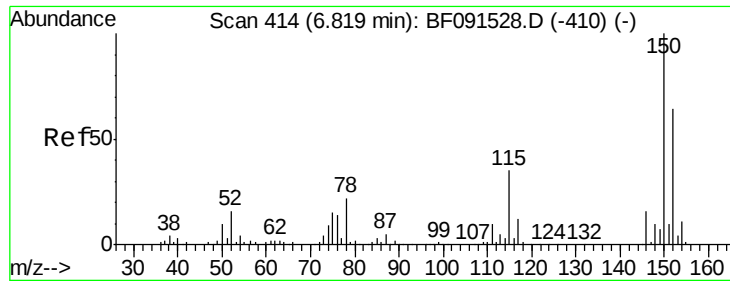
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF091551.D

Acq: 13 Dec 2016 14:00

Instrument :

BNA_F

ClientSampleId :

1M-SF-HL-02

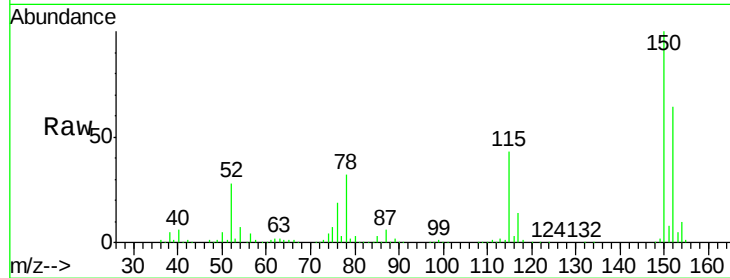
Tgt Ion:152 Resp: 297511

Ion Ratio Lower Upper

152 100

150 157.2 122.5 183.7

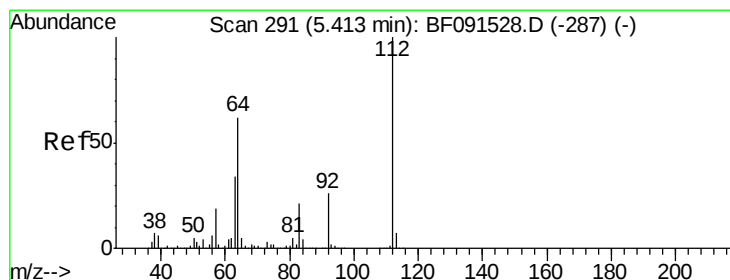
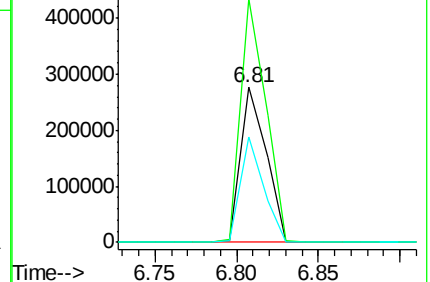
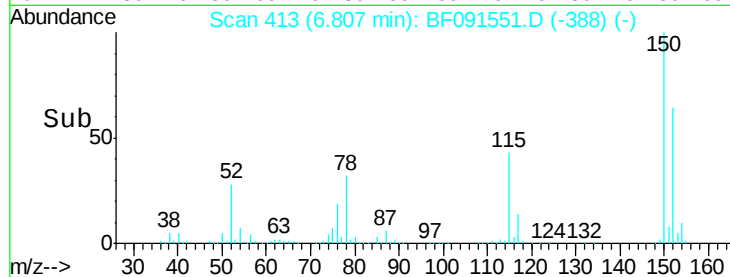
115 68.1 51.8 77.8



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: 126.26 ng

RT: 5.42 min Scan# 292

Delta R.T. 0.01 min

Lab File: BF091551.D

Acq: 13 Dec 2016 14:00

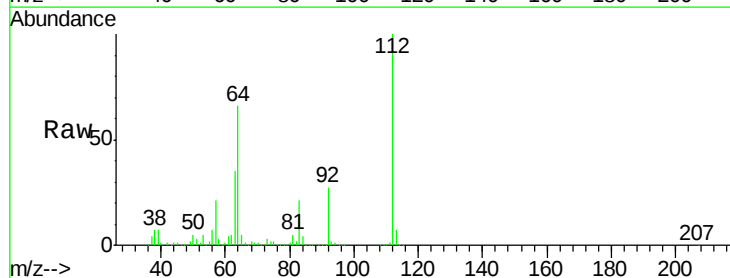
Tgt Ion:112 Resp: 2229695

Ion Ratio Lower Upper

112 100

64 66.0 61.5 92.3

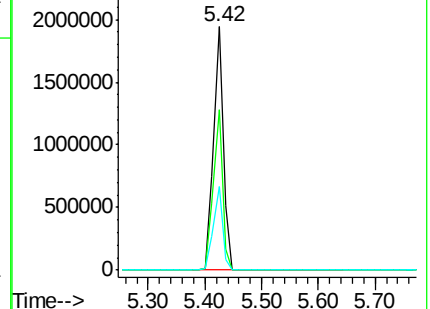
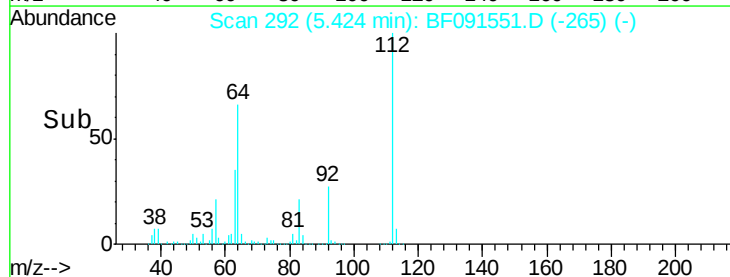
63 34.5 33.3 49.9



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: 141.02 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF091551.D

Acq: 13 Dec 2016 14:00

Instrument :

BNA_F

ClientSampleId :

1M-SF-HL-02

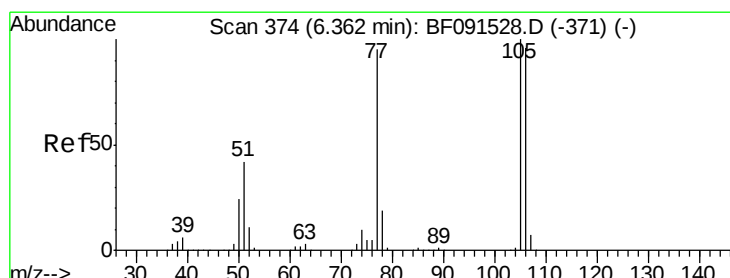
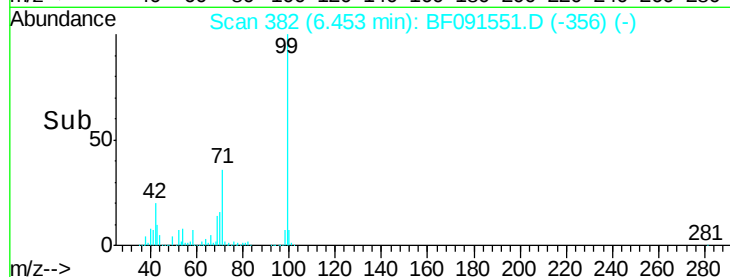
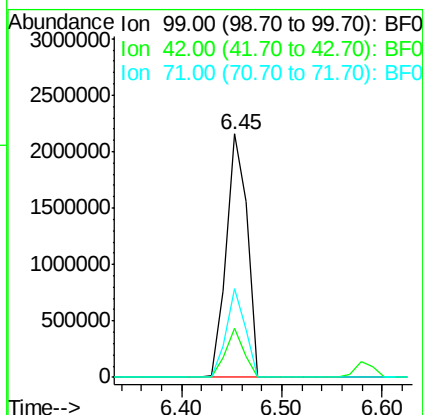
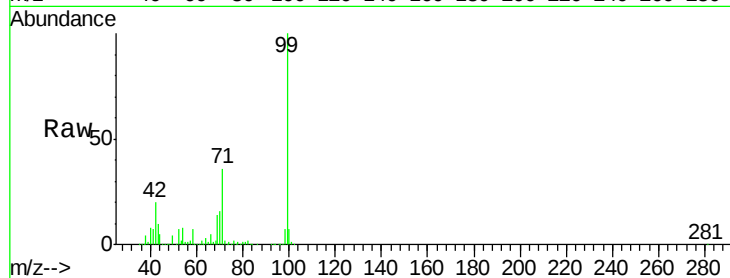
Tgt Ion: 99 Resp: 3104527

Ion Ratio Lower Upper

99 100

42 20.3 20.6 31.0#

71 36.3 29.9 44.9



#9

Benzaldehyde

Concen: 3.97 ng

RT: 6.58 min Scan# 393

Delta R.T. 0.22 min

Lab File: BF091551.D

Acq: 13 Dec 2016 14:00

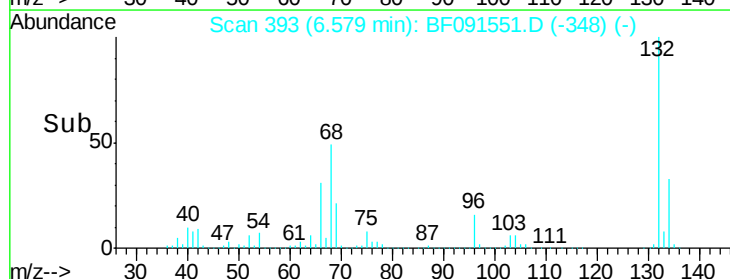
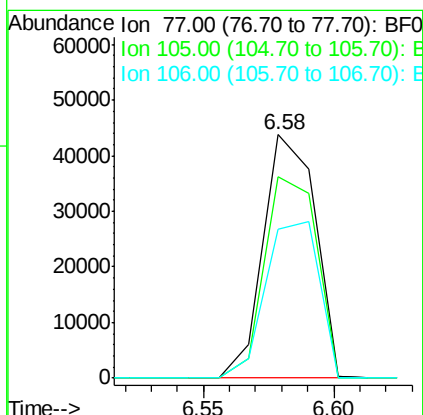
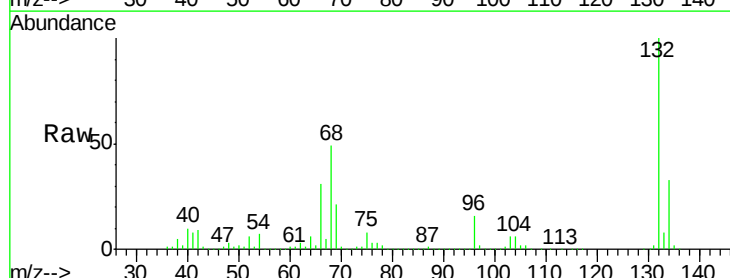
Tgt Ion: 77 Resp: 60134

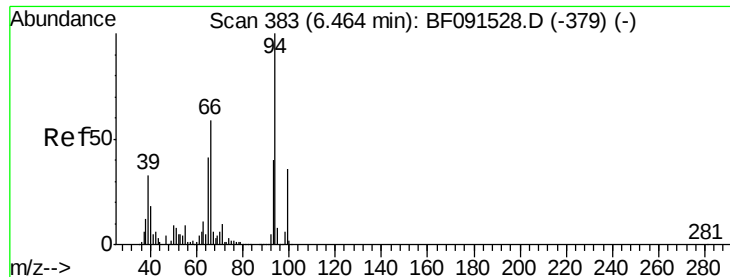
Ion Ratio Lower Upper

77 100

105 82.6 66.4 106.4

106 61.0 60.9 100.9





#10

Phenol

Concen: 4.80 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF091551.D

Acq: 13 Dec 2016 14:00

Instrument :

BNA_F

ClientSampleId :

1M-SF-HL-02

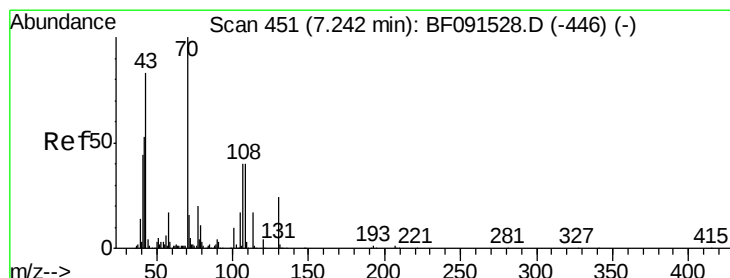
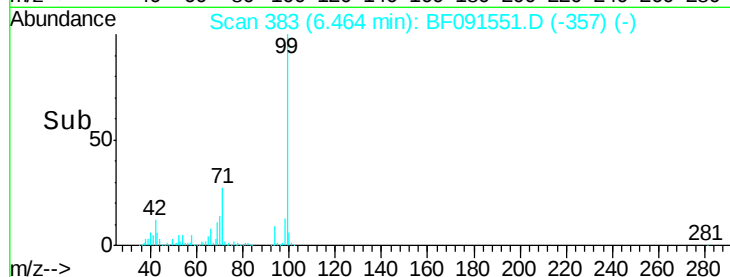
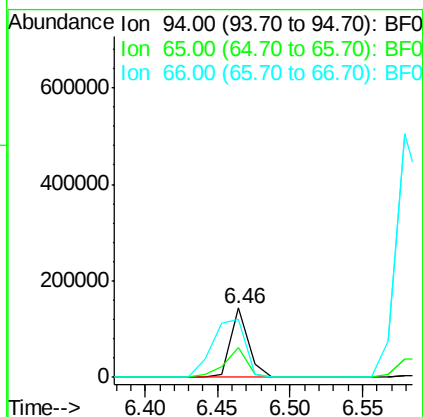
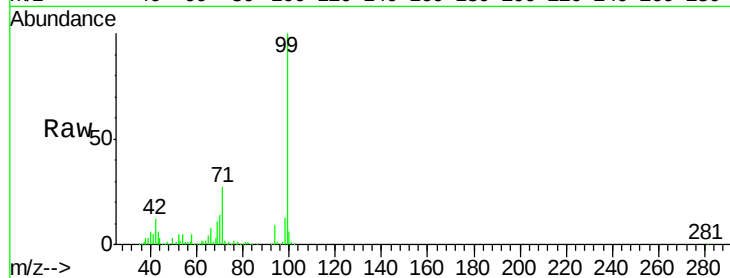
Tgt Ion: 94 Resp: 123587

Ion Ratio Lower Upper

94 100

65 44.0 16.9 56.9

66 84.5 30.6 70.6#



#19

n-Nitroso-di-n-propylamine

Concen: 20.65 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.14 min

Lab File: BF091551.D

Acq: 13 Dec 2016 14:00

Tgt Ion: 70 Resp: 284231

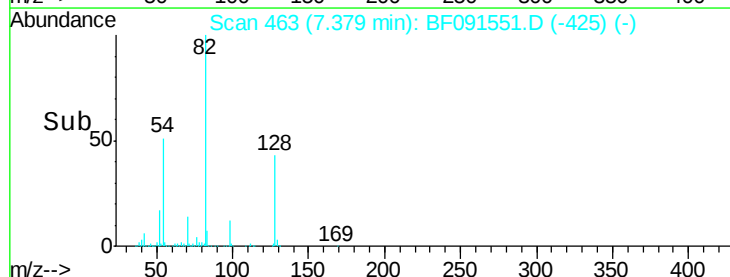
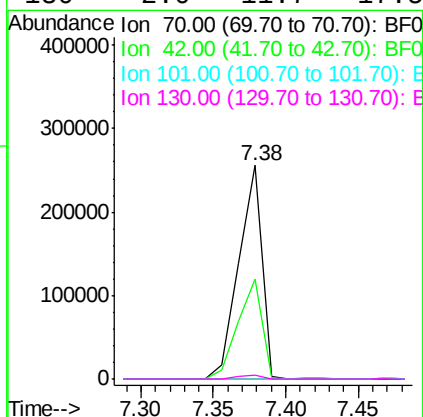
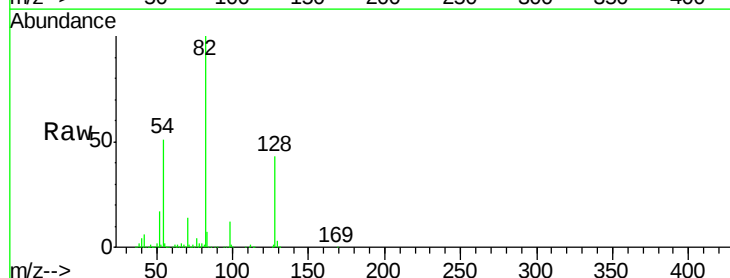
Ion Ratio Lower Upper

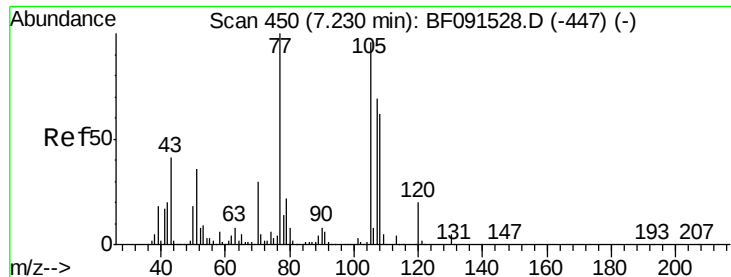
70 100

42 46.8 64.8 97.2#

101 0.0 6.2 9.4#

130 2.0 11.7 17.5#

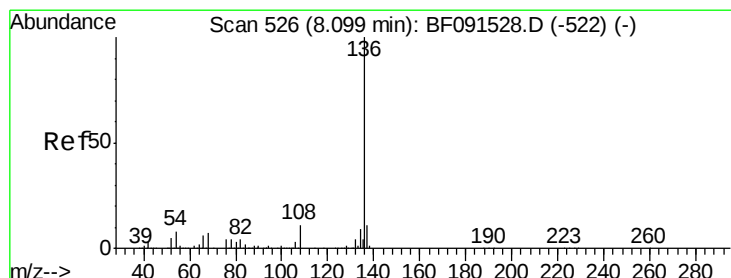
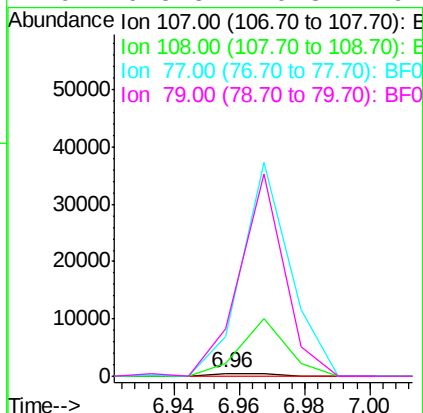
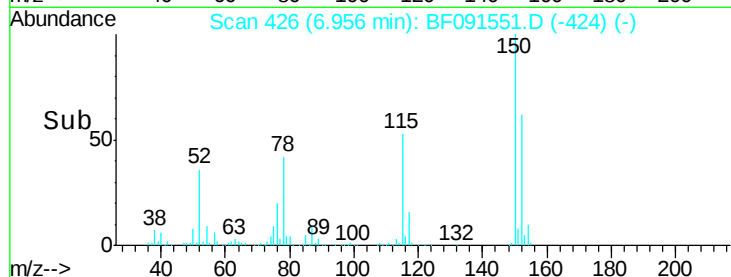
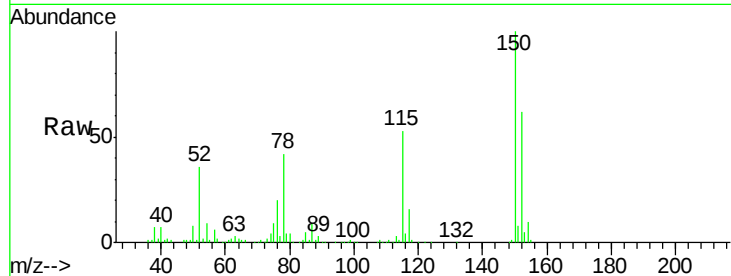




#20
3+4-Methylphenols
Concen: Below Cal
RT: 6.96 min Scan# 426
Delta R.T. -0.27 min
Lab File: BF091551.D
Acq: 13 Dec 2016 14:00

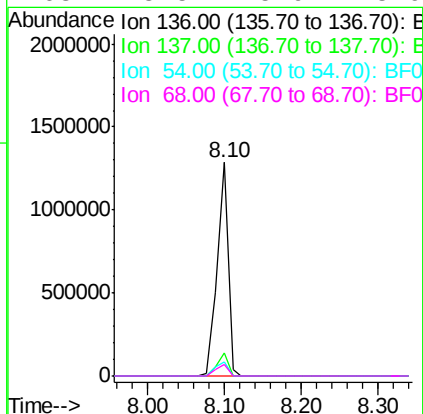
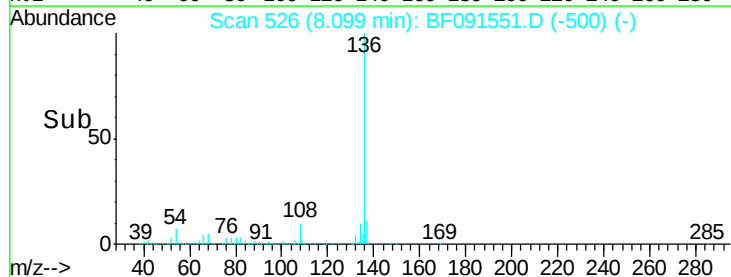
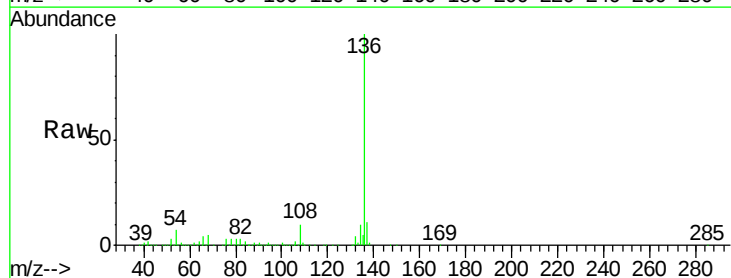
Instrument :
BNA_F
ClientSampleId :
1M-SF-HL-02

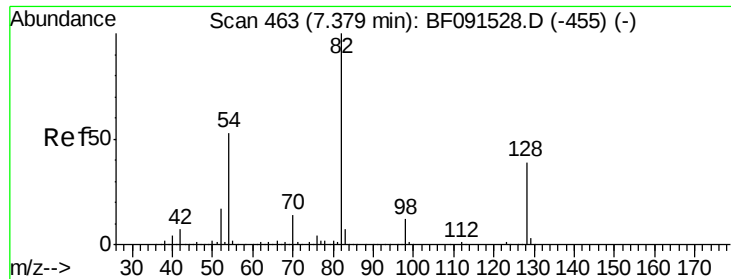
Tgt Ion:107 Resp: 635
Ion Ratio Lower Upper
107 100
108 450.7 64.6 104.6#
77 1354.8 30.9 70.9#
79 1625.5 9.3 49.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.00 min
Lab File: BF091551.D
Acq: 13 Dec 2016 14:00

Tgt Ion:136 Resp: 1268843
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 6.7 9.1 13.7#
68 5.5 5.9 8.9#

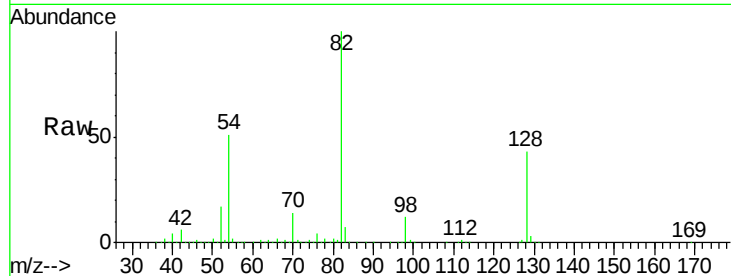




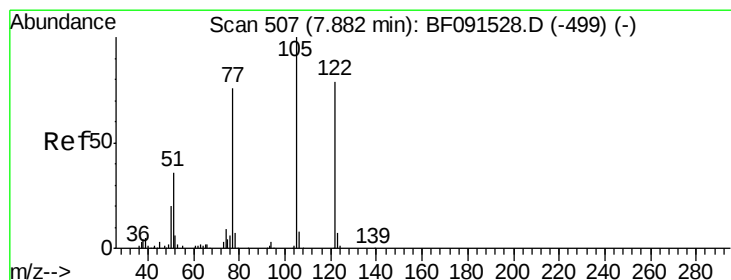
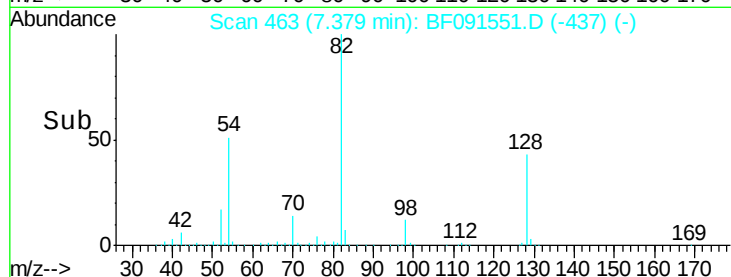
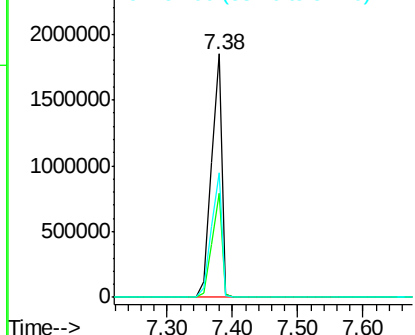
#23
 Nitrobenzene-d5
 Concen: 91.74 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: BF091551.D
 Acq: 13 Dec 2016 14:00

Instrument :
 BNA_F
 ClientSampleId :
 1M-SF-HL-02

Tgt Ion: 82 Resp: 2085721
 Ion Ratio Lower Upper
 82 100
 128 42.9 31.8 47.6
 54 51.2 49.1 73.7

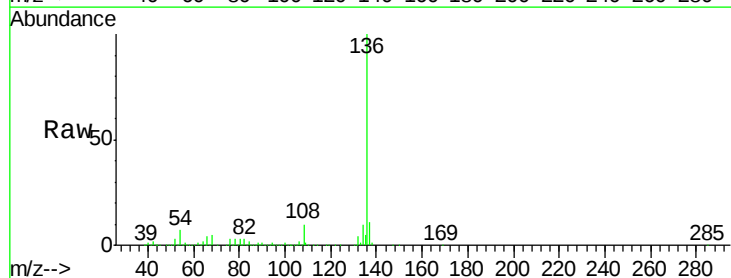


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

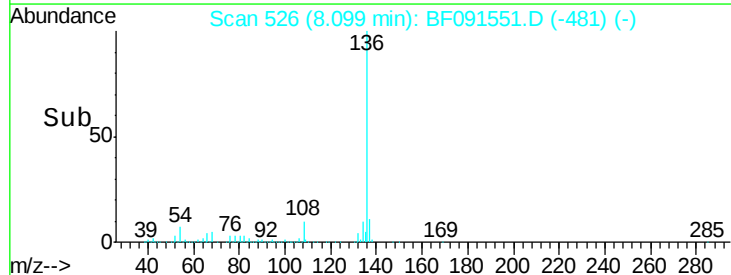
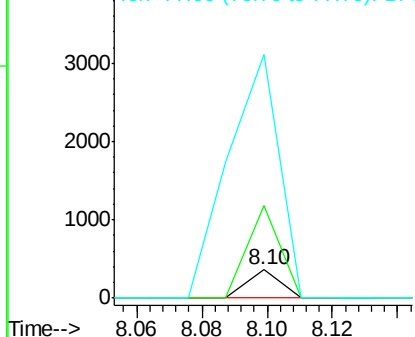


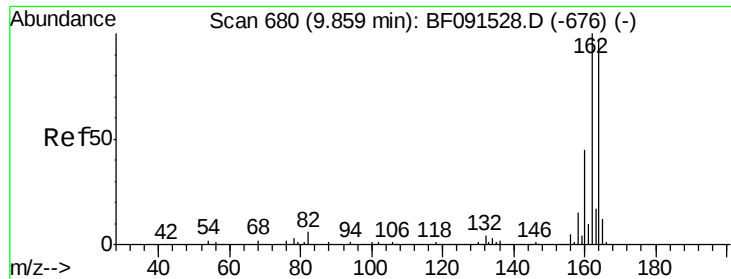
#32
 Benzoic acid
 Concen: 4.91 ng
 RT: 8.10 min Scan# 526
 Delta R.T. 0.22 min
 Lab File: BF091551.D
 Acq: 13 Dec 2016 14:00

Tgt Ion: 122 Resp: 249
 Ion Ratio Lower Upper
 122 100
 105 324.8 113.0 153.0#
 77 856.5 82.0 122.0#



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

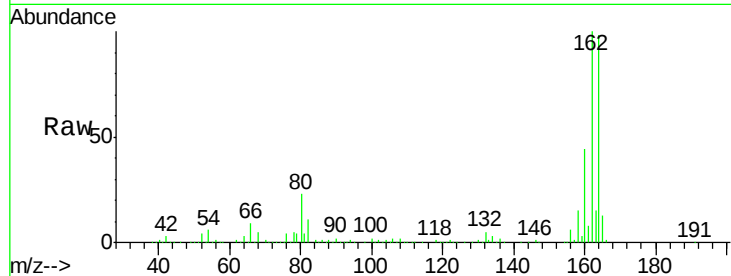




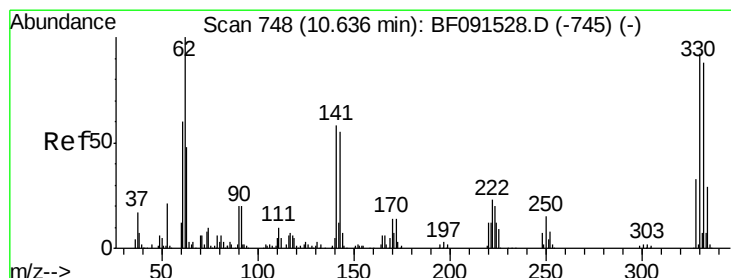
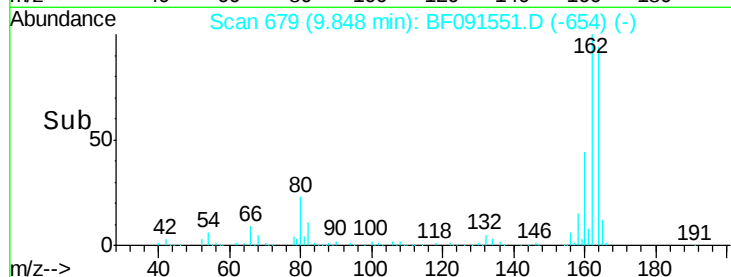
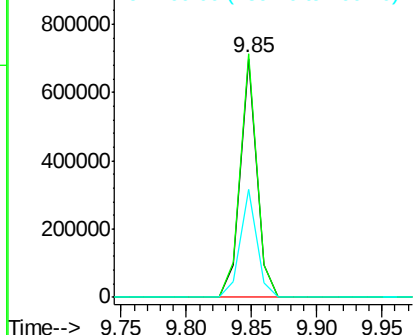
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: BF091551.D
 Acq: 13 Dec 2016 14:00

Instrument :
 BNA_F
 ClientSampleId :
 1M-SF-HL-02

Tgt Ion:164 Resp: 612646
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.6 124.0
 160 45.2 36.7 55.1

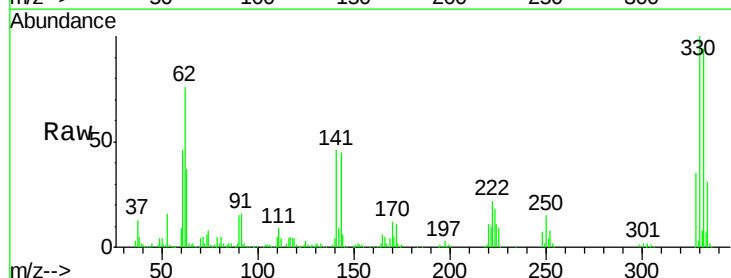


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

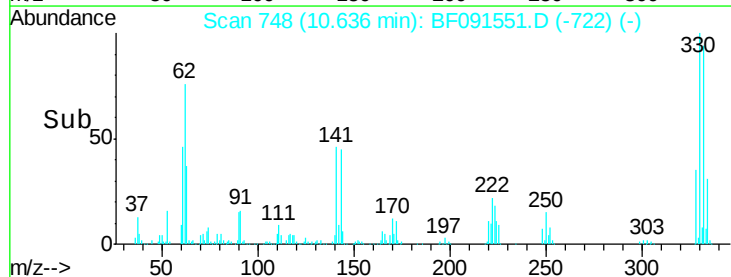
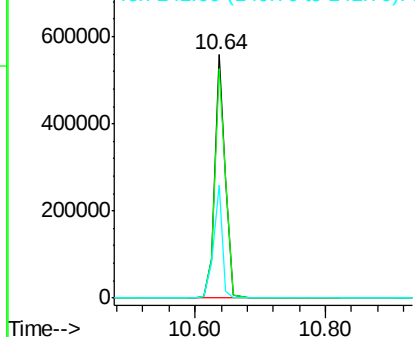


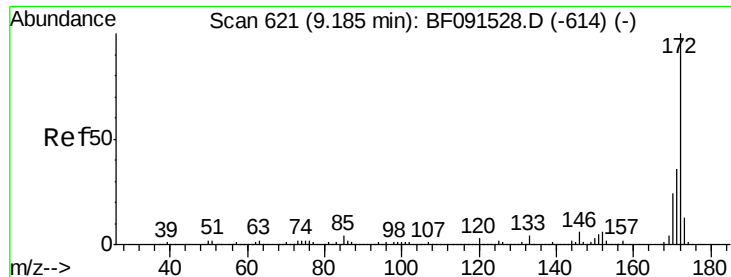
#41
 2,4,6-Tribromophenol
 Concen: 126.81 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF091551.D
 Acq: 13 Dec 2016 14:00

Tgt Ion:330 Resp: 645295
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.2 114.4
 141 38.9 33.6 50.4



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

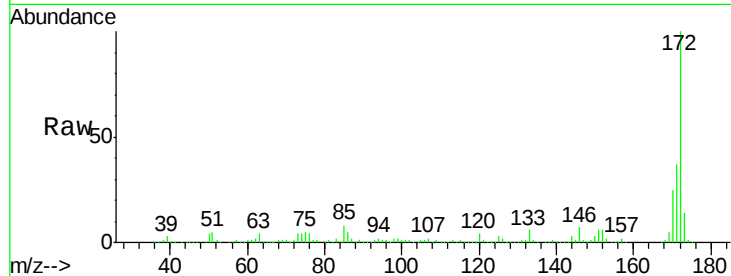




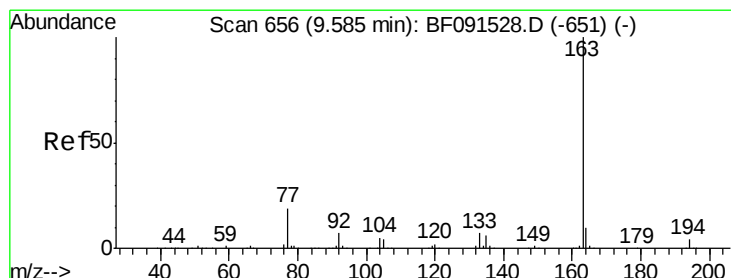
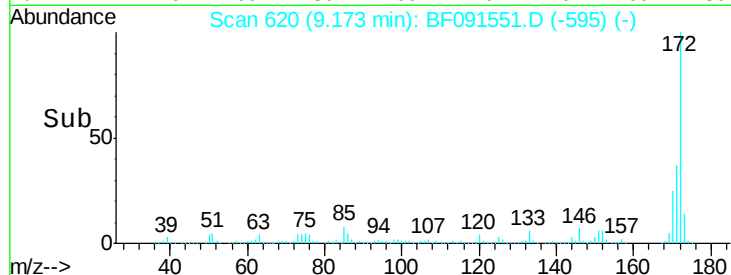
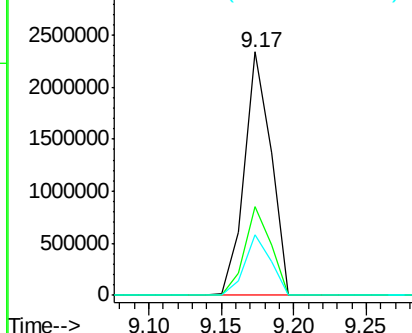
#44
2-Fluorobiphenyl
Concen: 84.12 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.01 min
Lab File: BF091551.D
Acq: 13 Dec 2016 14:00

Instrument :
BNA_F
ClientSampleId :
1M-SF-HL-02

Tgt Ion:172 Resp: 2982581
Ion Ratio Lower Upper
172 100
171 36.7 29.4 44.0
170 24.8 19.7 29.5

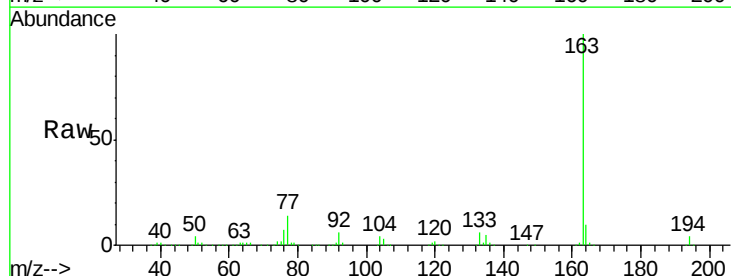


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

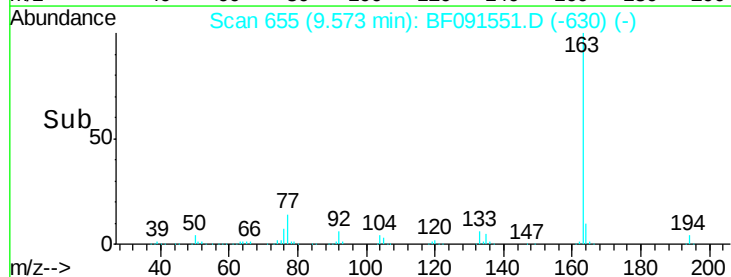
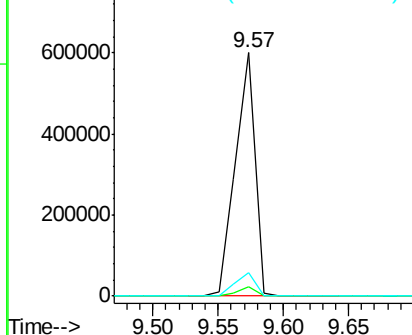


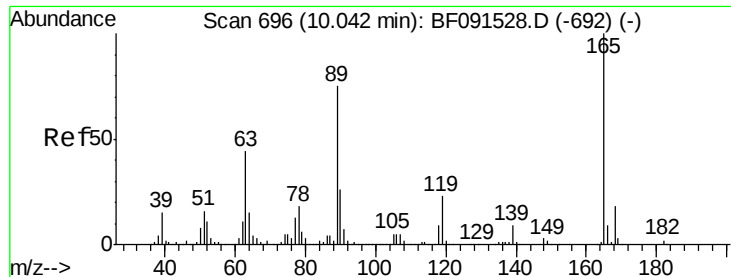
#49
Dimethylphthalate
Concen: 16.09 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.01 min
Lab File: BF091551.D
Acq: 13 Dec 2016 14:00

Tgt Ion:163 Resp: 624252
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 9.5 7.8 11.8



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

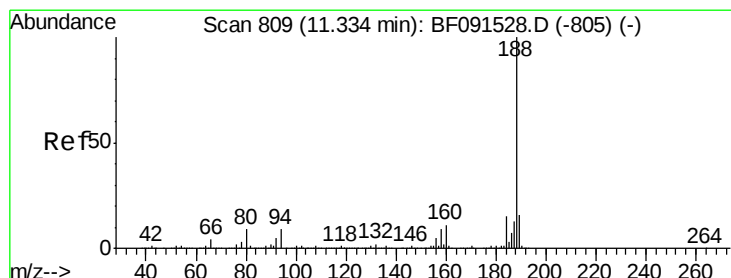
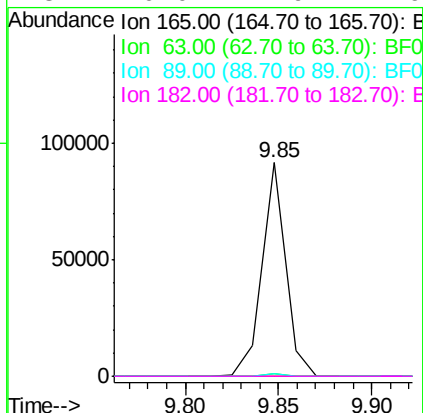
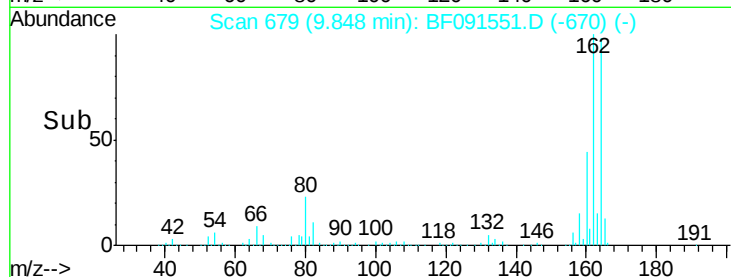
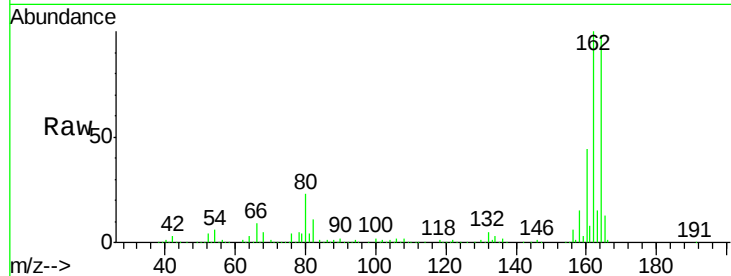




#56
 2,4-Dinitrotoluene
 Concen: 7.50 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.19 min
 Lab File: BF091551.D
 Acq: 13 Dec 2016 14:00

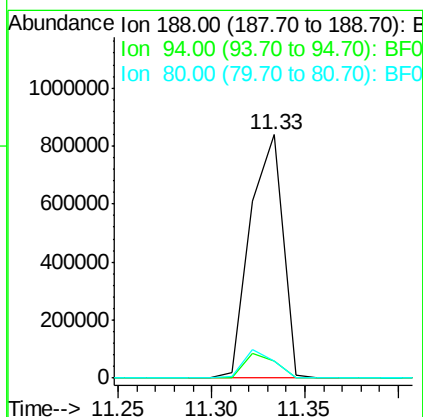
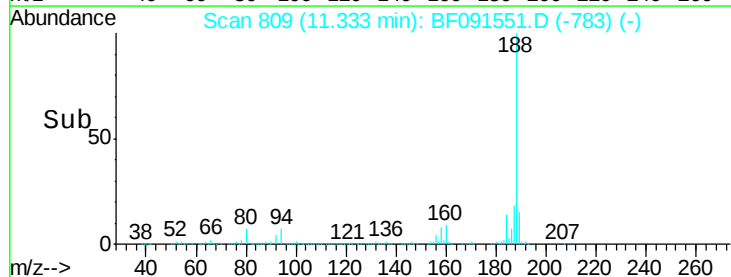
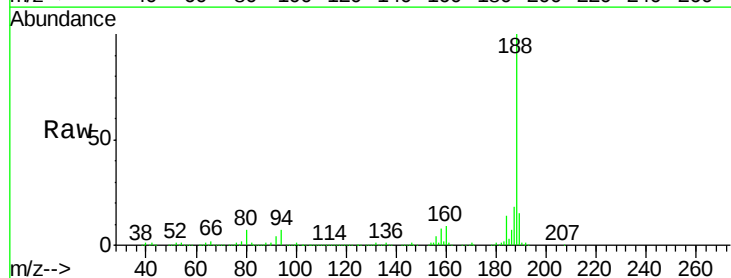
Instrument :
 BNA_F
 ClientSampleId :
 1M-SF-HL-02

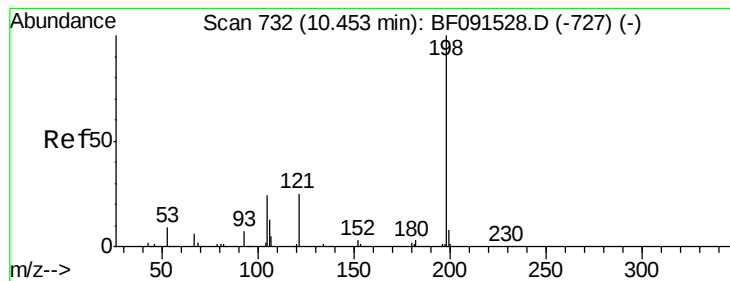
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	29.0	43.4#
89	1.0	43.1	64.7#
182	0.0	1.9	2.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BF091551.D
 Acq: 13 Dec 2016 14:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	9.2	13.8#
80	6.8	10.5	15.7#





#64

4,6-Dinitro-2-methylphenol

Concen: 3.21 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.18 min

Lab File: BF091551.D

Acq: 13 Dec 2016 14:00

Instrument :

BNA_F

ClientSampleId :

1M-SF-HL-02

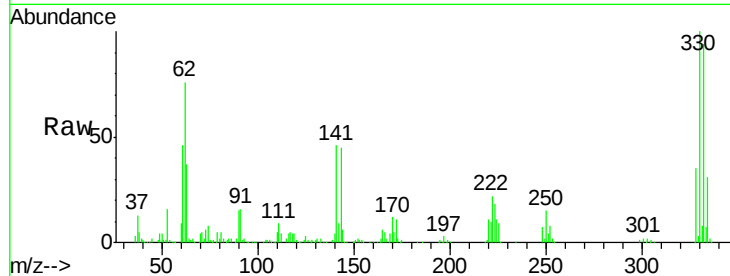
Tgt Ion:198 Resp: 1736

Ion Ratio Lower Upper

198 100

51 192.2 77.1 117.1#

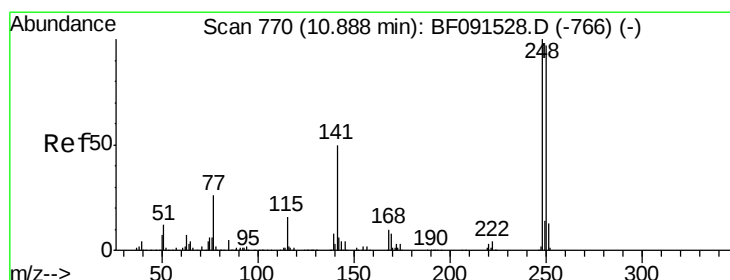
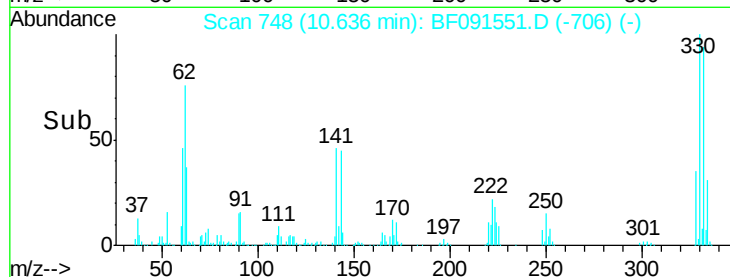
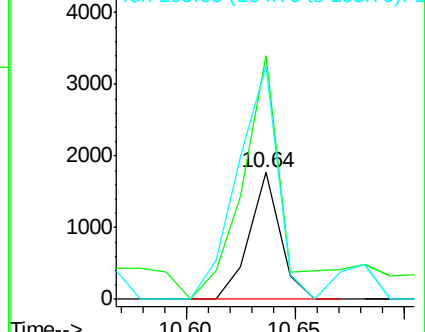
105 184.0 44.8 84.8#



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: 3.88 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.25 min

Lab File: BF091551.D

Acq: 13 Dec 2016 14:00

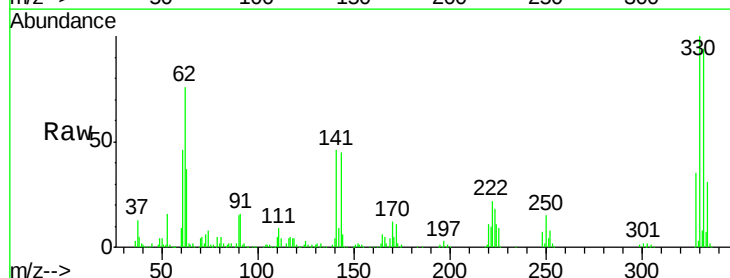
Tgt Ion:248 Resp: 40391

Ion Ratio Lower Upper

248 100

250 200.3 78.2 117.4#

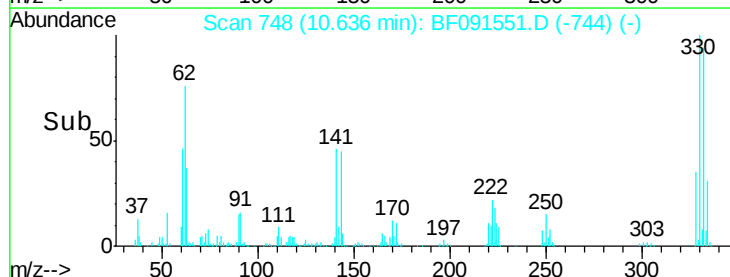
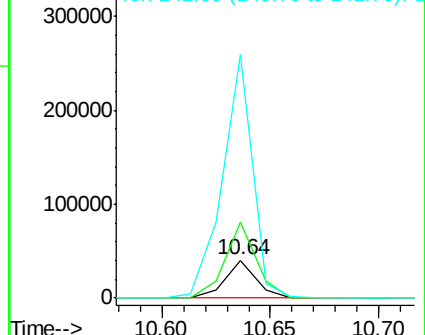
141 640.9 71.9 107.9#

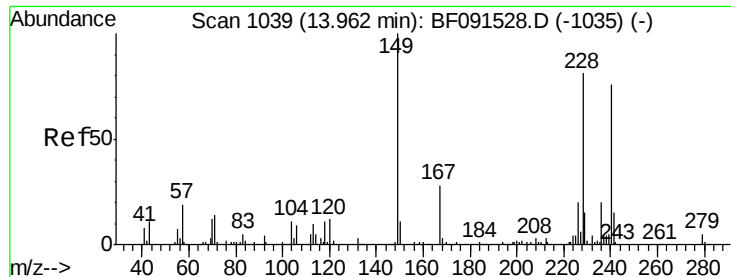


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF091551.D

Acq: 13 Dec 2016 14:00

Instrument :

BNA_F

ClientSampleId :

1M-SF-HL-02

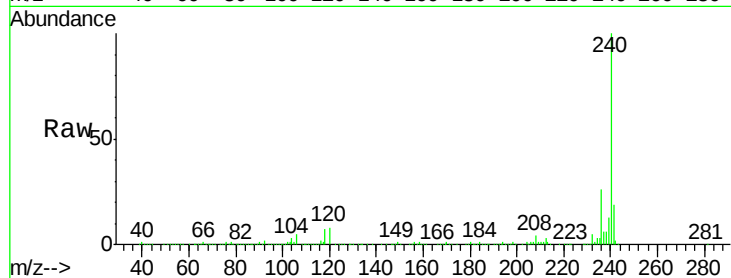
Tgt Ion:240 Resp: 813868

Ion Ratio Lower Upper

240 100

120 8.1 12.1 18.1#

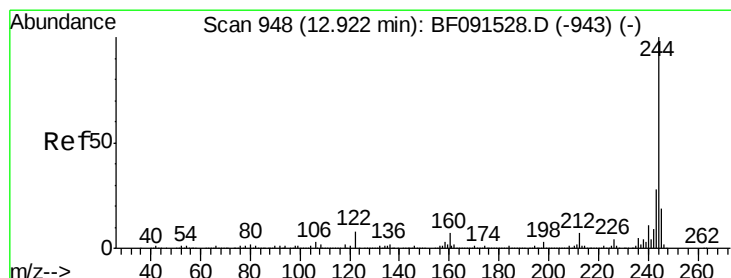
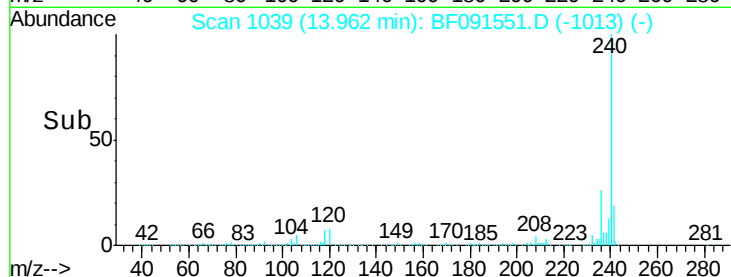
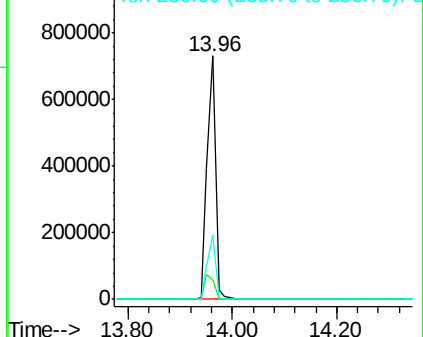
236 26.3 21.0 31.6



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: 78.40 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF091551.D

Acq: 13 Dec 2016 14:00

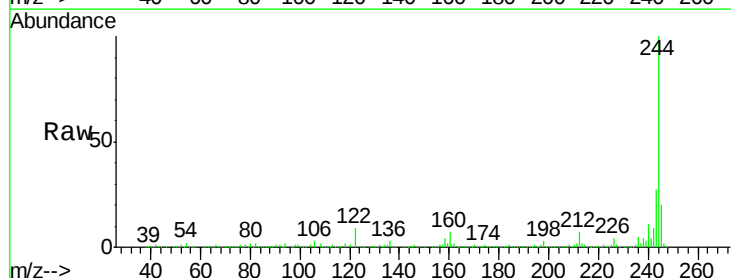
Tgt Ion:244 Resp: 2811959

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

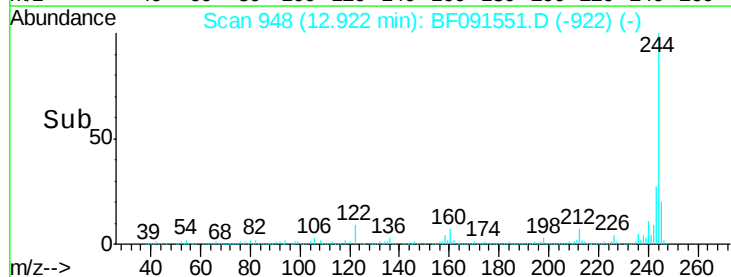
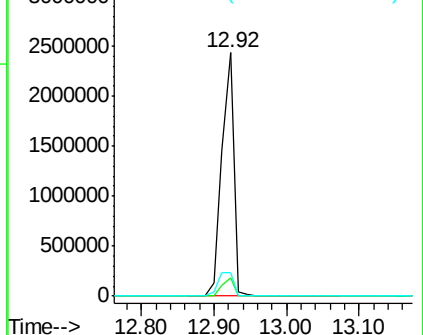
122 9.4 9.5 14.3#

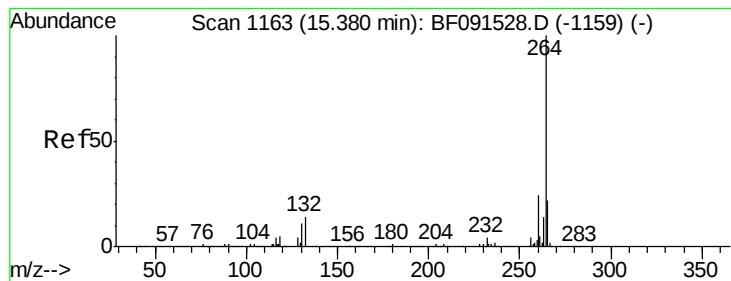


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BF091551.D

Acq: 13 Dec 2016 14:00

Instrument :

BNA_F

ClientSampleId :

1M-SF-HL-02

Tgt Ion: 264 Resp: 675612

Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

265 22.0 17.0 25.6

