

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
 Data File : BF090979.D
 Acq On : 2 Nov 2016 15:02
 Operator : UM/SJ
 Sample : H5491-14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-72-8.1-10.0

Quant Time: Nov 02 23:08:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	165003	20.00	ng	-0.03
21) Naphthalene-d8	8.01	136	759697	20.00	ng	-0.03
38) Acenaphthene-d10	9.76	164	374119	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	653222	20.00	ng	-0.02
75) Chrysene-d12	13.88	240	491655	20.00	ng	-0.02
86) Perylene-d12	15.27	264	316125	20.00	ng	-0.03

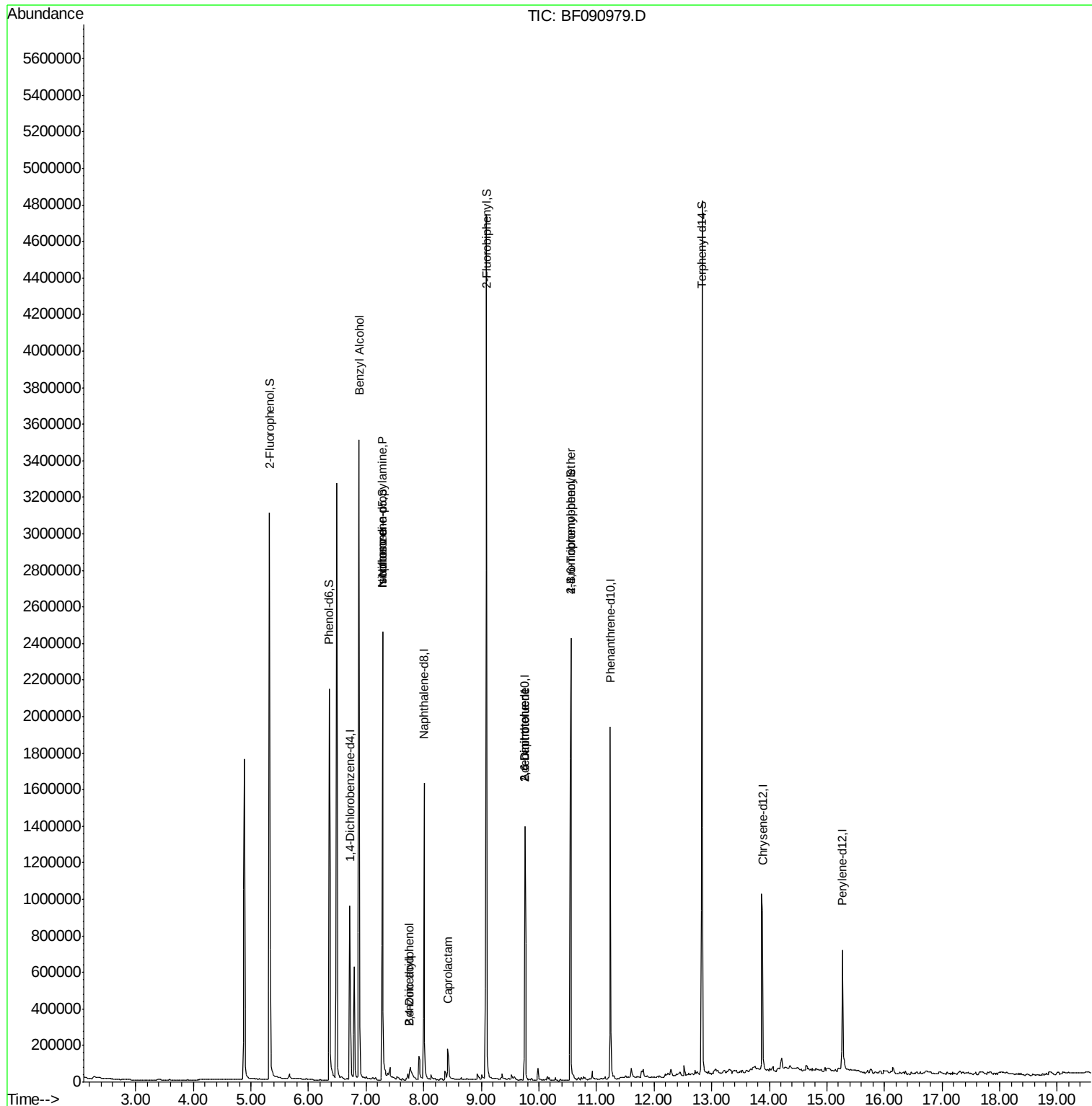
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	923907	97.90	ng	-0.01
7) Phenol-d6	6.36	99	1001293	78.64	ng	-0.03
23) Nitrobenzene-d5	7.29	82	968871	83.49	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	472733	122.96	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	1899425	89.15	ng	-0.02
78) Terphenyl-d14	12.83	244	1612459	82.63	ng	-0.02

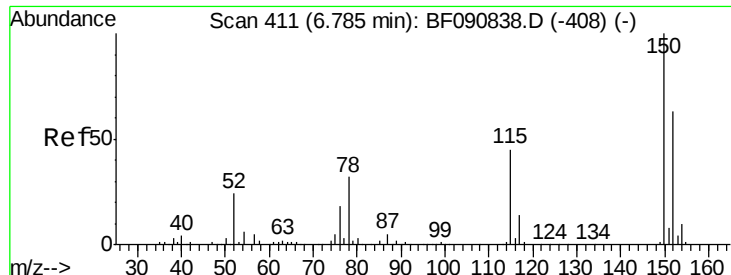
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.88	79	16909	2.02	ng	# 29
19) n-Nitroso-di-n-propylamine	7.29	70	131078	17.81	ng	# 53
25) Isophorone	7.29	82	755601	32.08	ng	# 58
27) 2,4-Dimethylphenol	7.76	122	22175	2.08	ng	# 12
32) Benzoic acid	7.76	122	23688	3.06	ng	# 60
35) Caprolactam	8.42	113	30302	9.90	ng	94
50) 2,6-Dinitrotoluene	9.76	165	48335	8.76	ng	# 39
56) 2,4-Dinitrotoluene	9.76	165	48340	7.05	ng	# 33
66) 4-Bromophenyl-phenylether	10.56	248	29459	4.12	ng	# 1

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

```
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\  
Data File : BF090979.D  
Acq On    : 2 Nov 2016 15:02  
Operator  : UM/SJ  
Sample    : H5491-14  
Misc      :  
ALS Vial  : 6 Sample Multiplier: 1
```

Quant Time: Nov 02 23:08:28 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 01 11:53:50 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 405

Delta R.T. -0.03 min

Lab File: BF090979.D

Acq: 2 Nov 2016 15:02

Instrument :

BNA_F

ClientSampleId :

GW-72-8.1-10.0

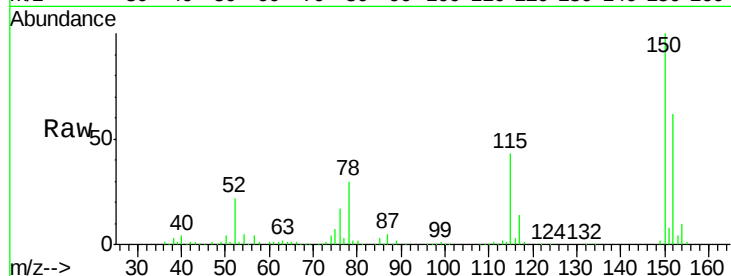
Tgt Ion:152 Resp: 165003

Ion Ratio Lower Upper

152 100

150 160.5 124.7 187.1

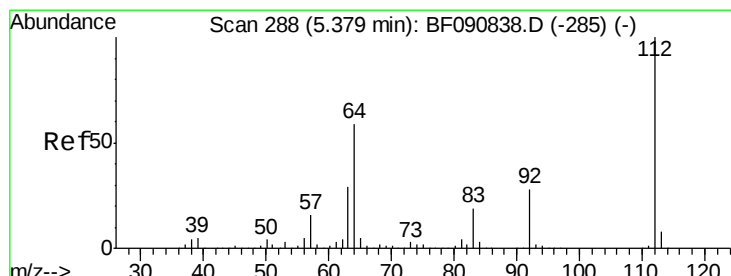
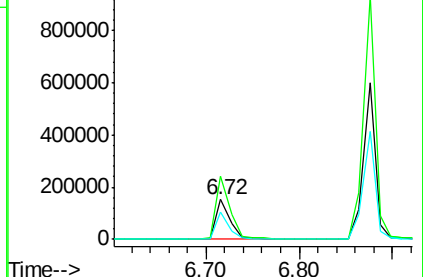
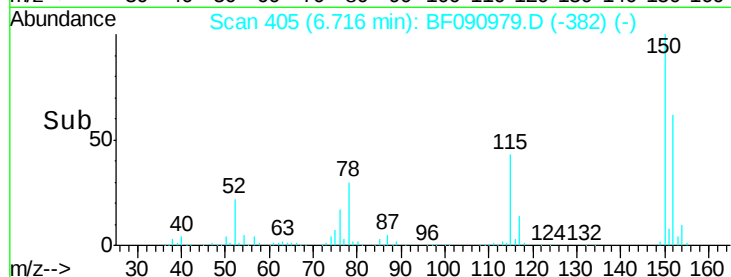
115 68.9 39.0 58.4#



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: 97.90 ng

RT: 5.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: BF090979.D

Acq: 2 Nov 2016 15:02

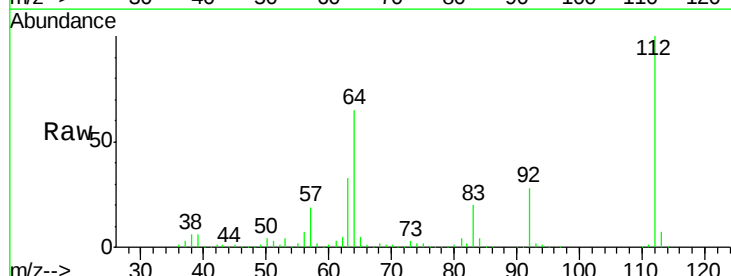
Tgt Ion:112 Resp: 923907

Ion Ratio Lower Upper

112 100

64 65.3 39.7 59.5#

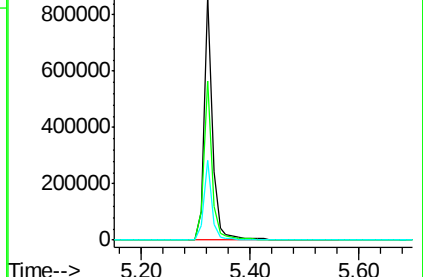
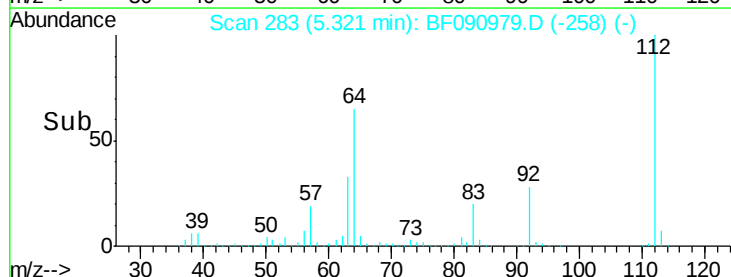
63 32.9 17.4 26.0#

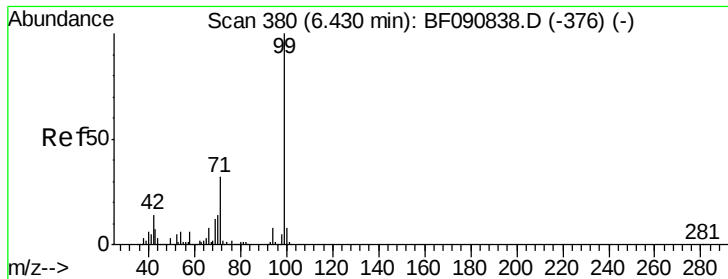


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 78.64 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.03 min

Lab File: BF090979.D

Acq: 2 Nov 2016 15:02

Instrument :

BNA_F

ClientSampleId :

GW-72-8.1-10.0

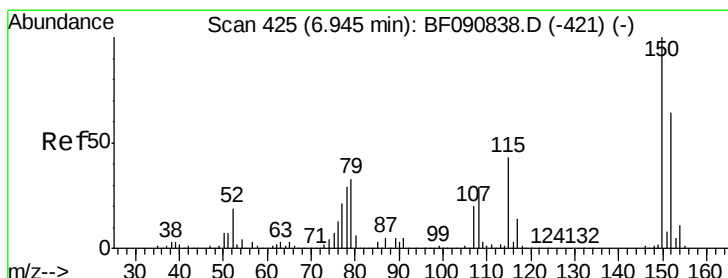
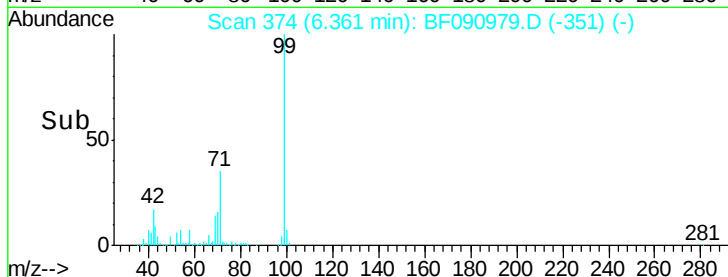
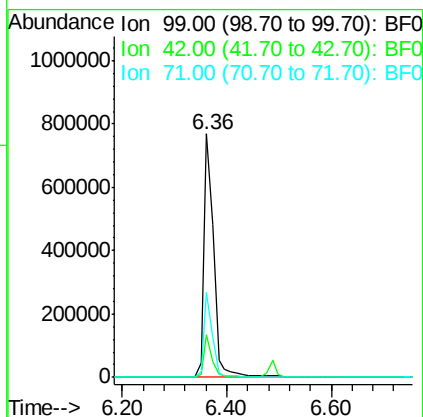
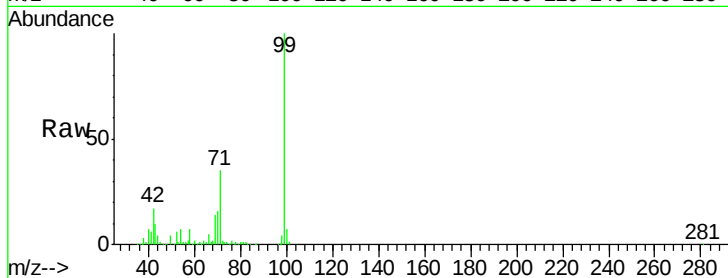
Tgt Ion: 99 Resp: 1001293

Ion Ratio Lower Upper

99 100

42 17.5 13.7 20.5

71 34.9 14.2 21.2#



#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.02 min

Lab File: BF090979.D

Acq: 2 Nov 2016 15:02

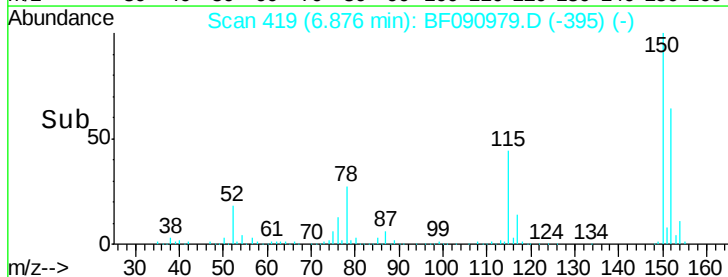
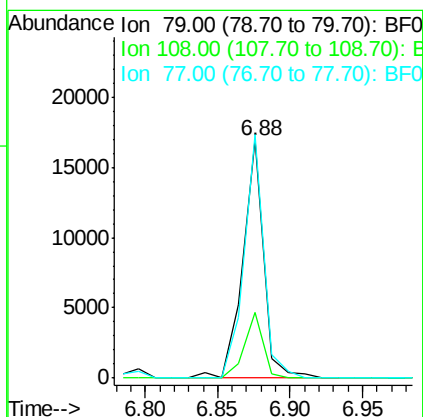
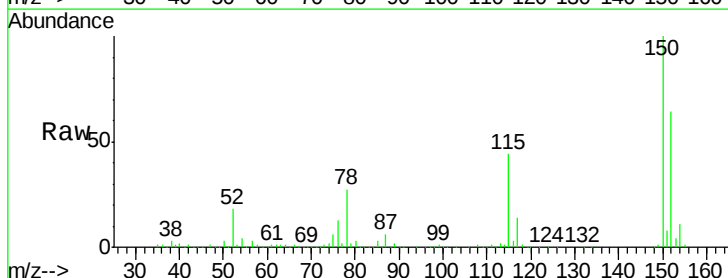
Tgt Ion: 79 Resp: 16909

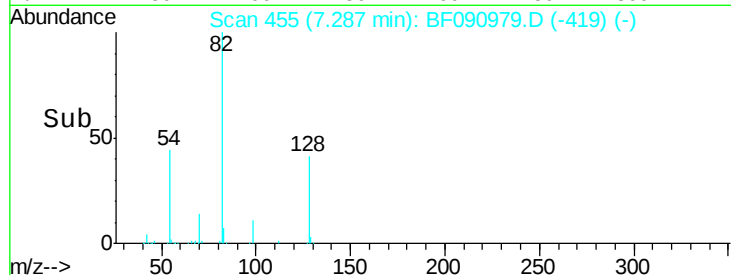
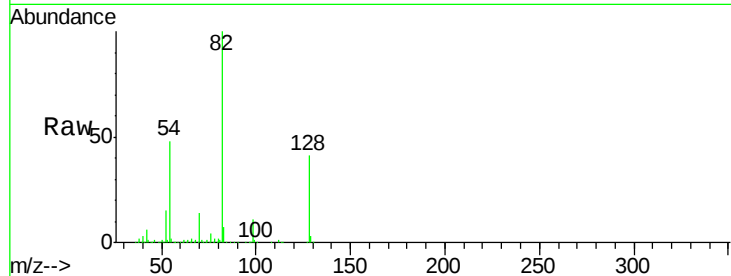
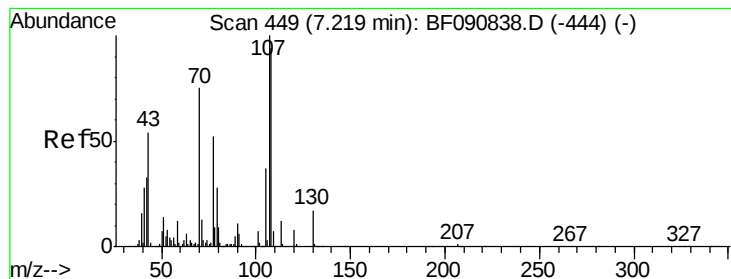
Ion Ratio Lower Upper

79 100

108 27.8 88.6 132.8#

77 102.2 47.0 70.4#





#19

n-Nitroso-di-n-propylamine

Concen: 17.81 ng

RT: 7.29 min Scan# 455

Delta R.T. 0.11 min

Lab File: BF090979.D

Acq: 2 Nov 2016 15:02

Instrument :

BNA_F

ClientSampleId :

GW-72-8.1-10.0

Tgt Ion: 70 Resp: 131078

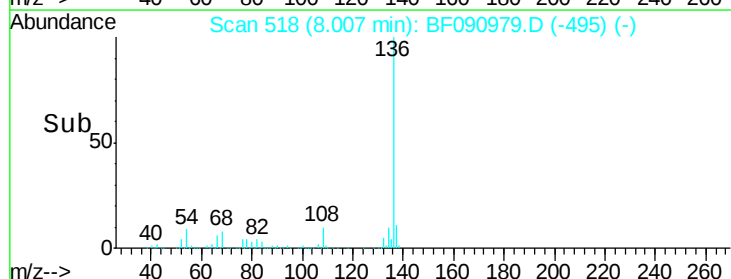
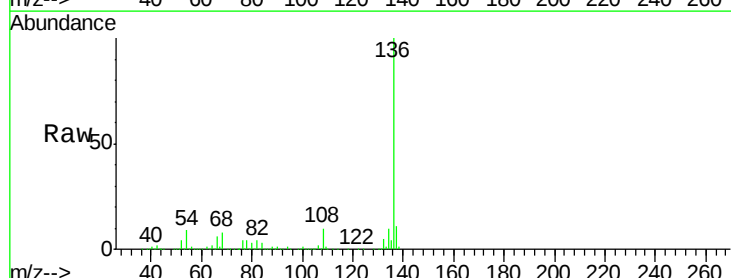
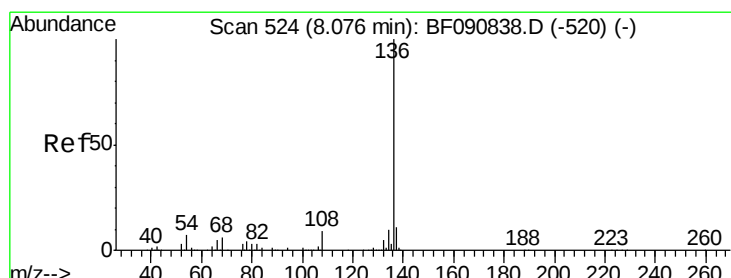
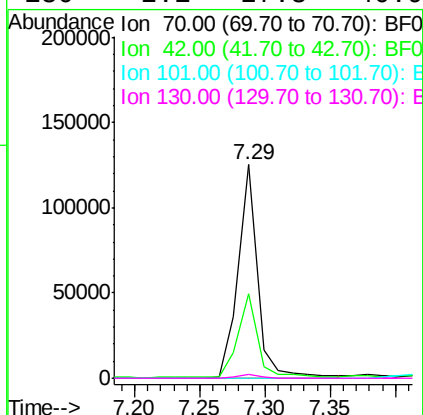
Ion Ratio Lower Upper

70 100

42 39.4 63.8 95.6#

101 0.0 9.2 13.8#

130 2.1 27.3 40.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.03 min

Lab File: BF090979.D

Acq: 2 Nov 2016 15:02

Tgt Ion: 136 Resp: 759697

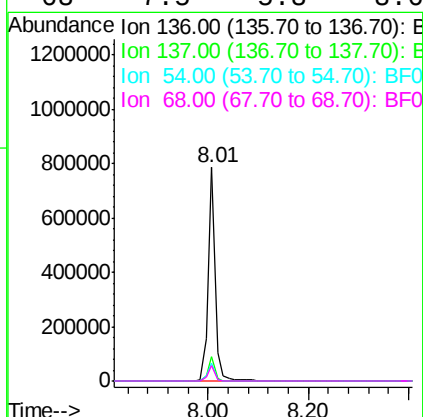
Ion Ratio Lower Upper

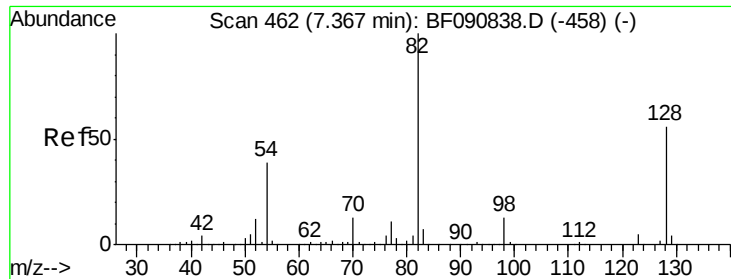
136 100

137 11.3 9.0 13.6

54 8.7 8.2 12.2

68 7.5 5.8 8.6

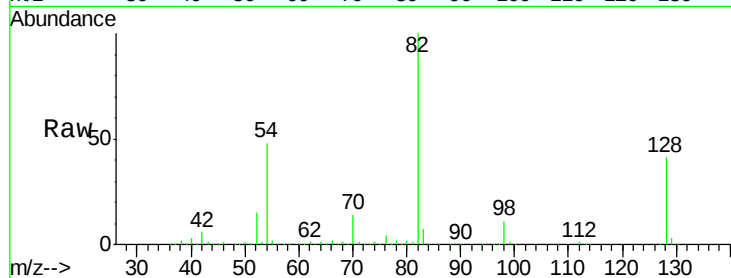




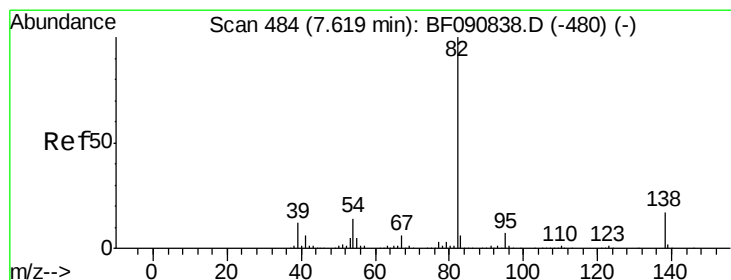
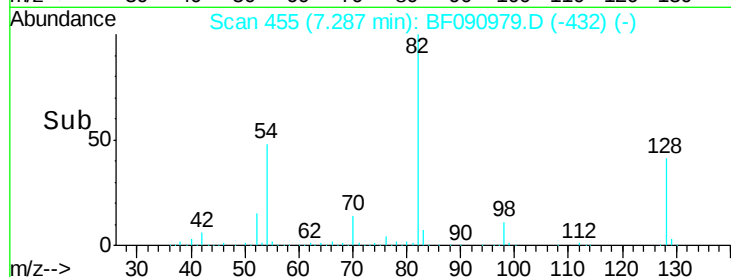
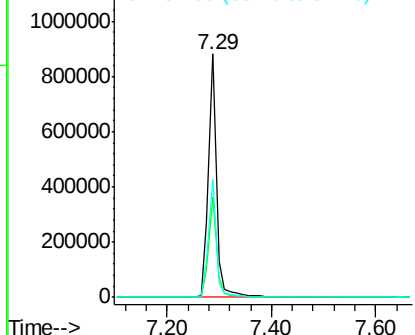
#23
Nitrobenzene-d5
Concen: 83.49 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.03 min
Lab File: BF090979.D
Acq: 2 Nov 2016 15:02

Instrument :
BNA_F
ClientSampleId :
GW-72-8.1-10.0

Tgt Ion: 82 Resp: 968871
Ion Ratio Lower Upper
82 100
128 41.3 51.0 76.6#
54 48.4 47.5 71.3

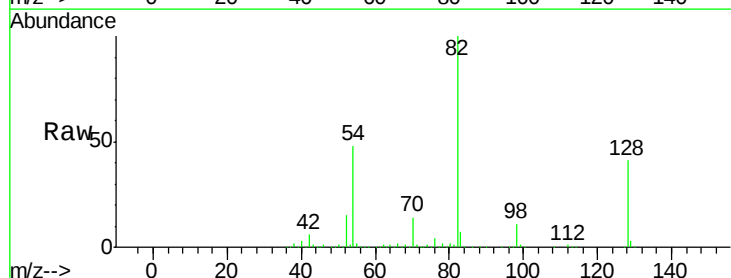


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

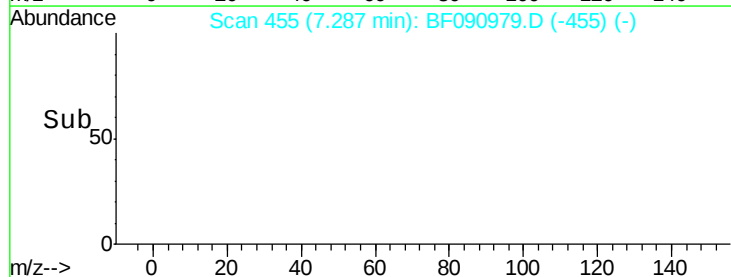
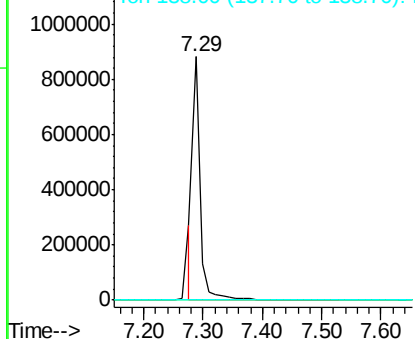


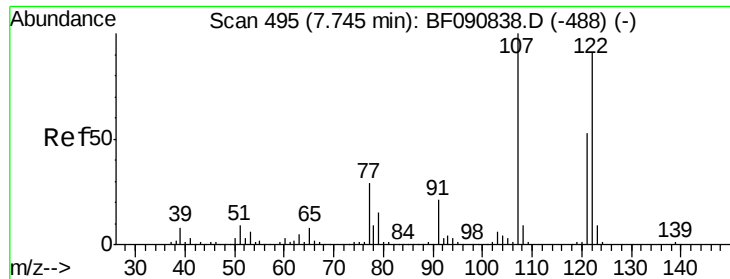
#25
Isophorone
Concen: 32.08 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.30 min
Lab File: BF090979.D
Acq: 2 Nov 2016 15:02

Tgt Ion: 82 Resp: 755601
Ion Ratio Lower Upper
82 100
95 0.0 4.0 6.0#
138 0.0 18.3 27.5#



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

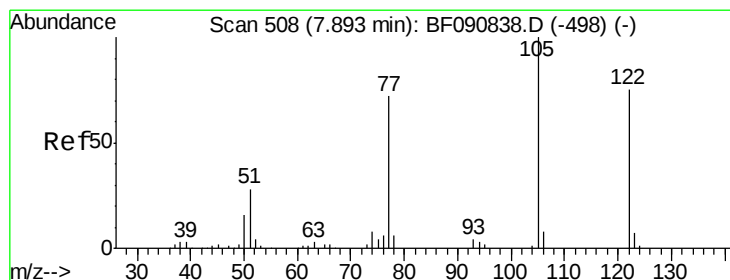
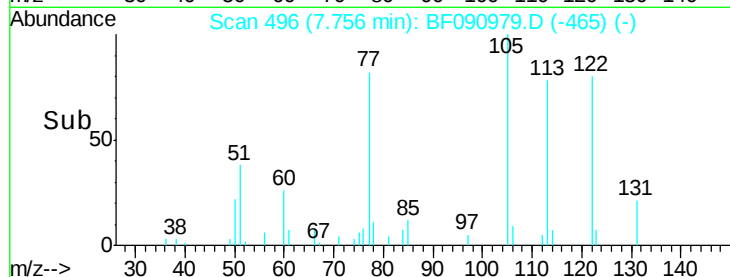
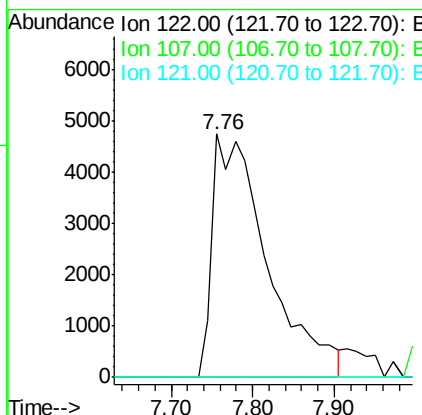
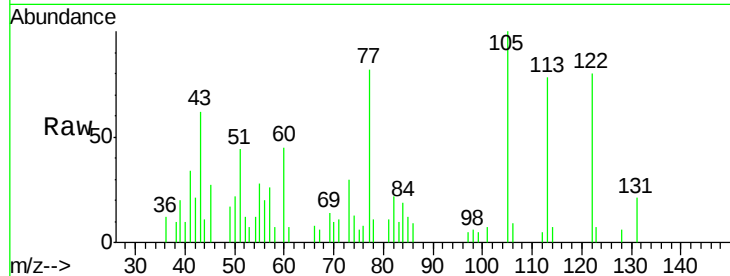




#27
 2,4-Dimethylphenol
 Concen: 2.08 ng
 RT: 7.76 min Scan# 496
 Delta R.T. 0.06 min
 Lab File: BF090979.D
 Acq: 2 Nov 2016 15:02

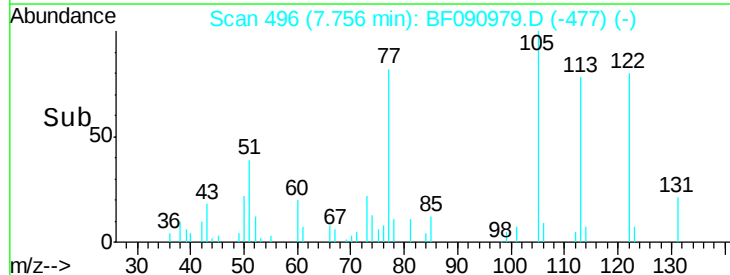
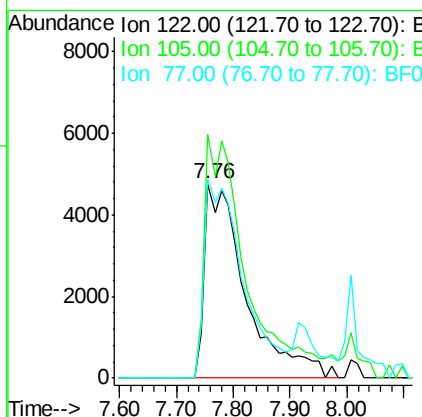
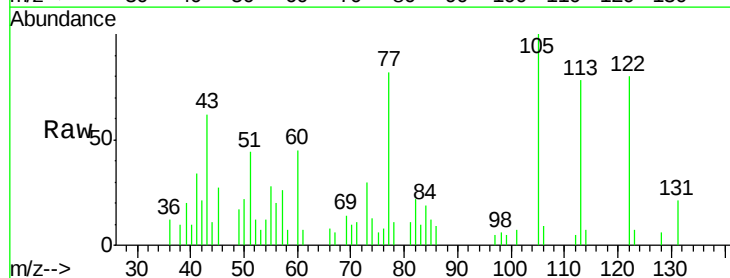
Instrument :
 BNA_F
 ClientSampleId :
 GW-72-8.1-10.0

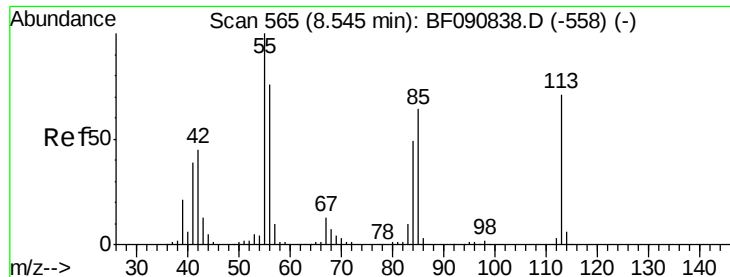
Tgt Ion:122 Resp: 22175
 Ion Ratio Lower Upper
 122 100
 107 0.0 71.8 107.6#
 121 0.0 42.3 63.5#



#32
 Benzoic acid
 Concen: 3.06 ng
 RT: 7.76 min Scan# 496
 Delta R.T. -0.08 min
 Lab File: BF090979.D
 Acq: 2 Nov 2016 15:02

Tgt Ion:122 Resp: 23688
 Ion Ratio Lower Upper
 122 100
 105 125.7 76.1 116.1#
 77 102.8 40.5 80.5#

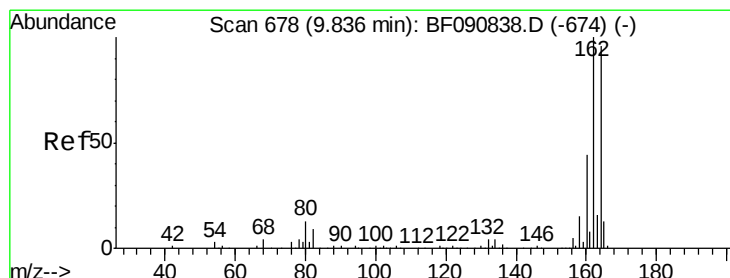
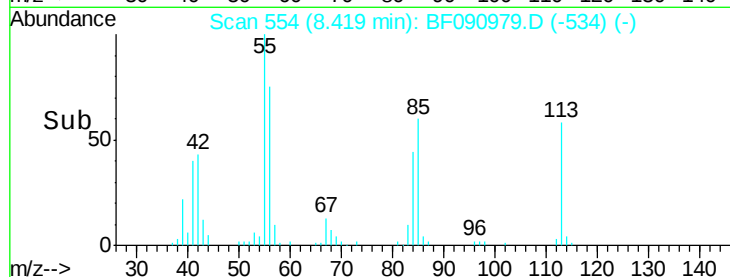
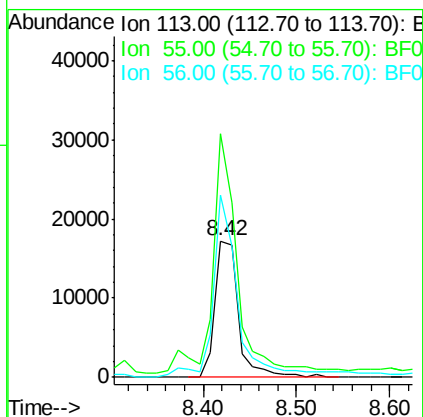
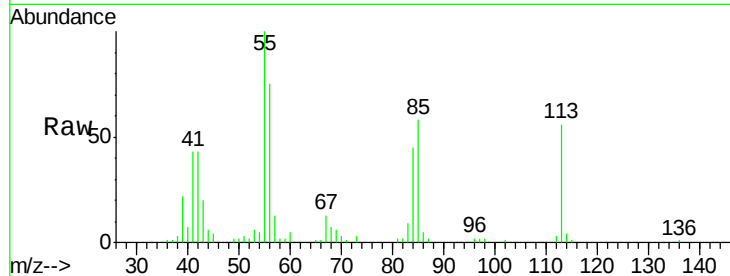




#35
 Caprolactam
 Concen: 9.90 ng
 RT: 8.42 min Scan# 554
 Delta R.T. -0.07 min
 Lab File: BF090979.D
 Acq: 2 Nov 2016 15:02

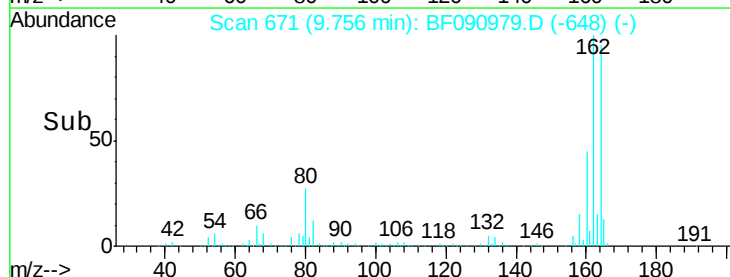
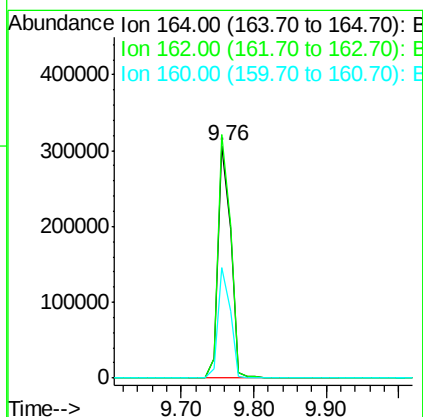
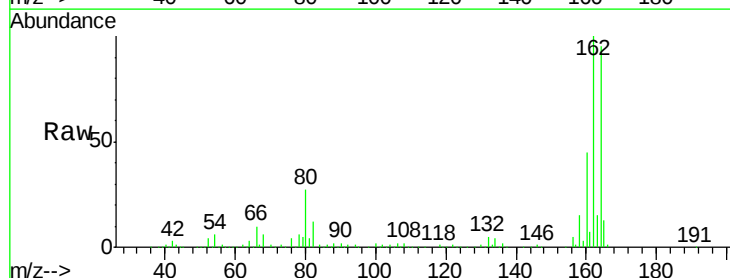
Instrument :
 BNA_F
 ClientSampleId :
 GW-72-8.1-10.0

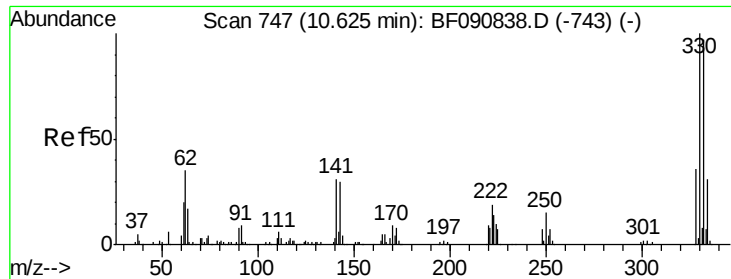
Tgt Ion:113 Resp: 30302
 Ion Ratio Lower Upper
 113 100
 55 178.7 152.4 192.4
 56 133.6 104.6 144.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.03 min
 Lab File: BF090979.D
 Acq: 2 Nov 2016 15:02

Tgt Ion:164 Resp: 374119
 Ion Ratio Lower Upper
 164 100
 162 104.8 75.2 112.8
 160 47.4 31.5 47.3#

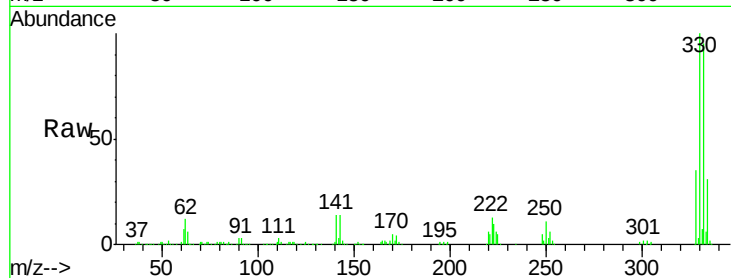




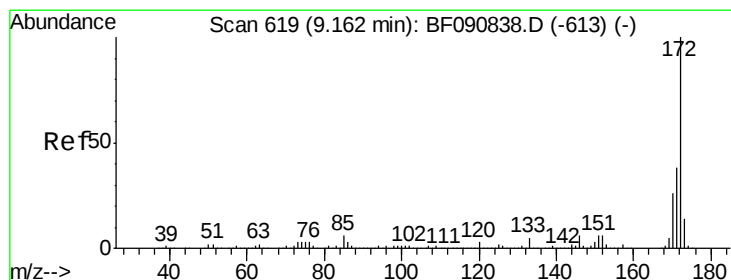
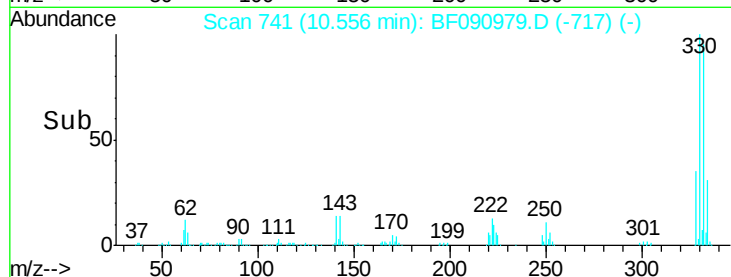
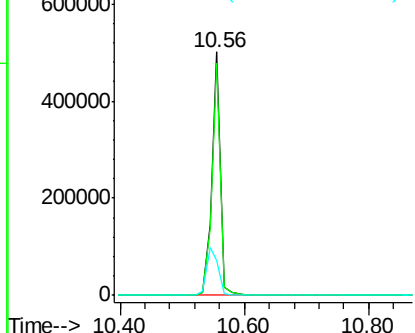
#41
 2,4,6-Tribromophenol
 Concen: 122.96 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.02 min
 Lab File: BF090979.D
 Acq: 2 Nov 2016 15:02

Instrument :
 BNA_F
 ClientSampleId :
 GW-72-8.1-10.0

Tgt Ion:330 Resp: 472733
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 114.8
 141 27.3 29.7 44.5#

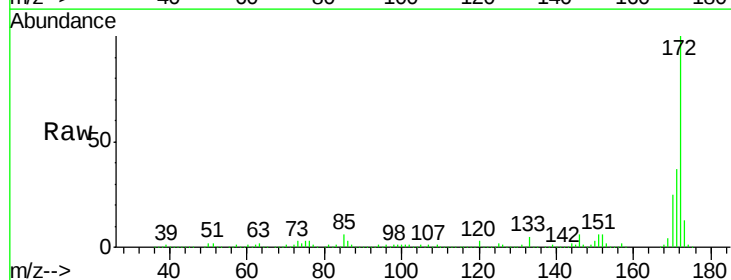


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

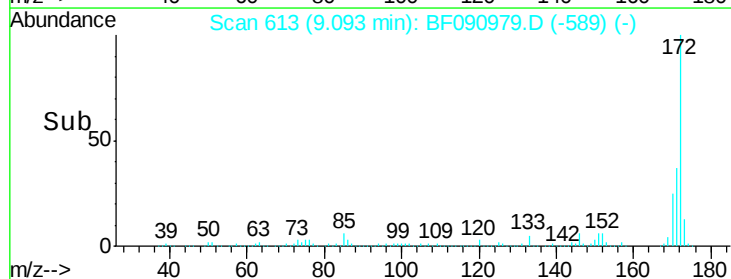
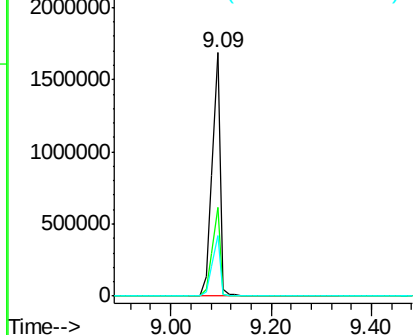


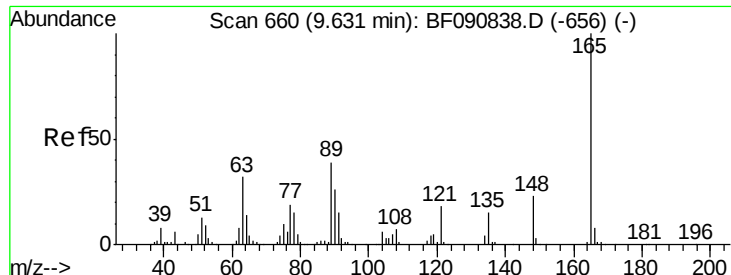
#44
 2-Fluorobiphenyl
 Concen: 89.15 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.02 min
 Lab File: BF090979.D
 Acq: 2 Nov 2016 15:02

Tgt Ion:172 Resp: 1899425
 Ion Ratio Lower Upper
 172 100
 171 36.7 26.1 39.1
 170 25.1 17.4 26.2



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

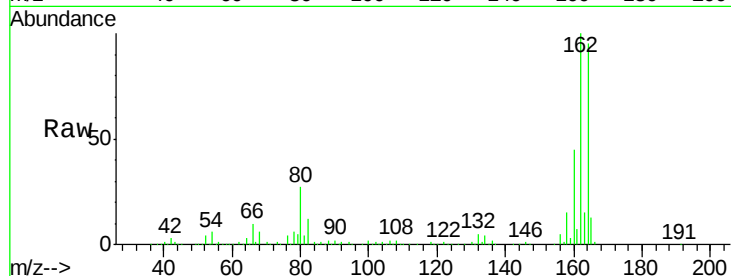




#50
 2,6-Dinitrotoluene
 Concen: 8.76 ng
 RT: 9.76 min Scan# 671
 Delta R.T. 0.17 min
 Lab File: BF090979.D
 Acq: 2 Nov 2016 15:02

Instrument :
 BNA_F
 ClientSampleId :
 GW-72-8.1-10.0

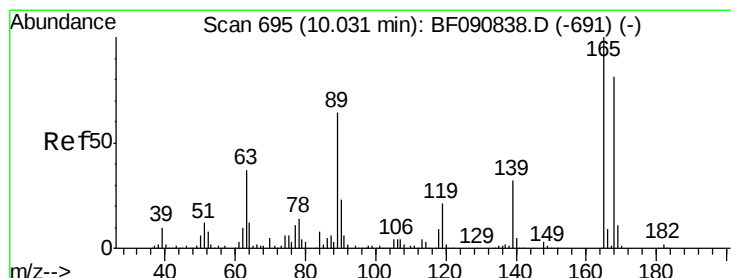
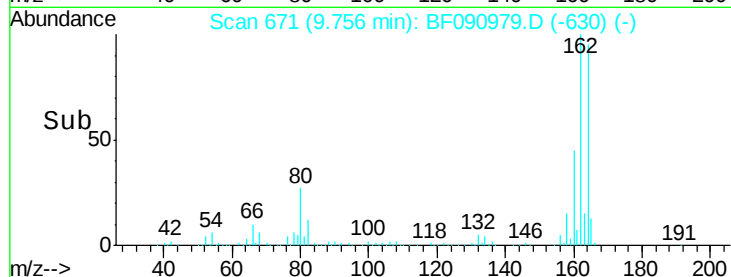
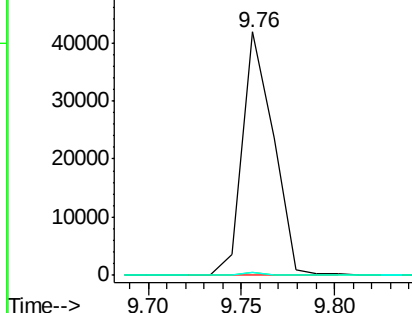
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	32.3	48.5#
89	1.2	28.6	43.0#



Abundance Ion 165.00 (164.70 to 165.70): E

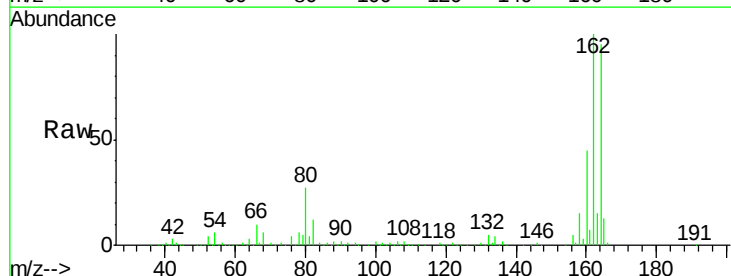
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 7.05 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.23 min
 Lab File: BF090979.D
 Acq: 2 Nov 2016 15:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	29.8	44.6#
89	1.2	44.5	66.7#
182	0.0	3.0	4.4#

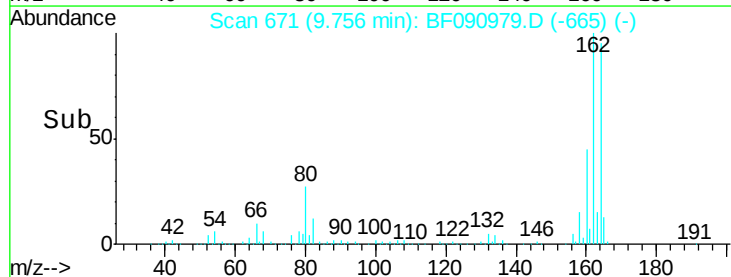
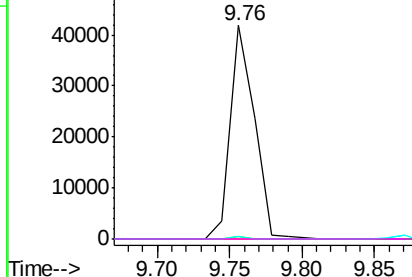


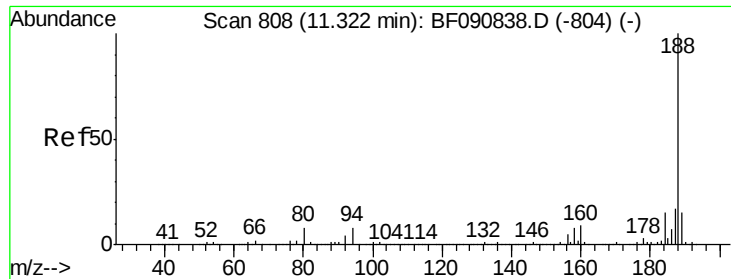
Abundance Ion 165.00 (164.70 to 165.70): E

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

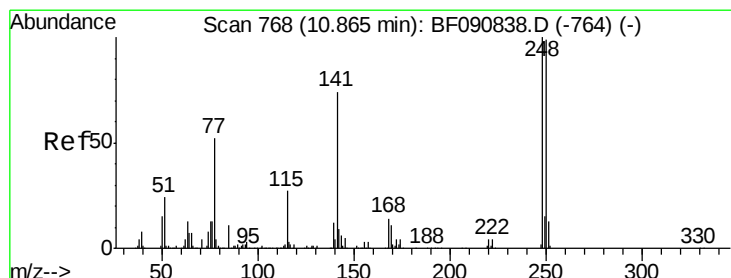
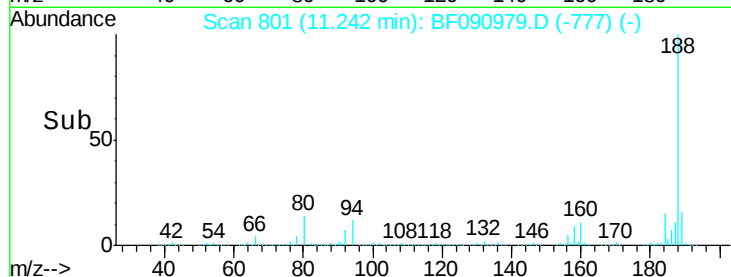
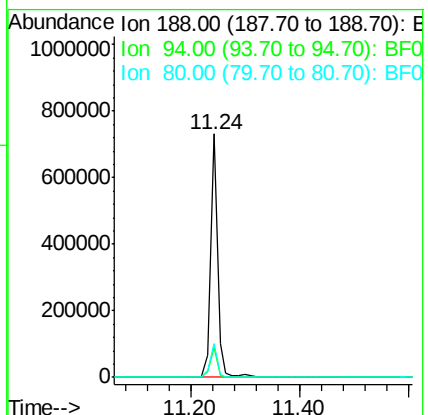
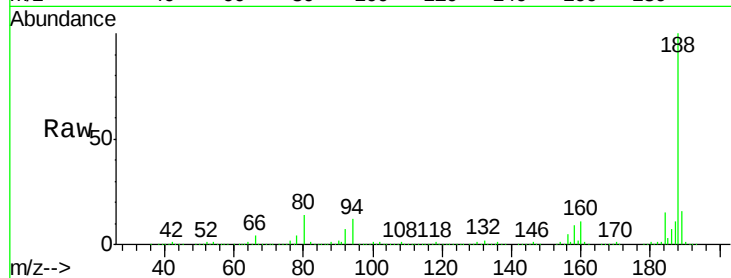




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.02 min
 Lab File: BF090979.D
 Acq: 2 Nov 2016 15:02

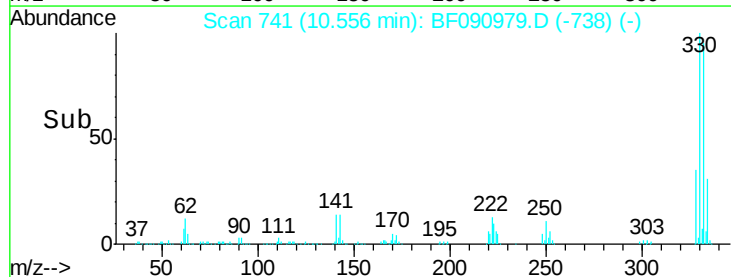
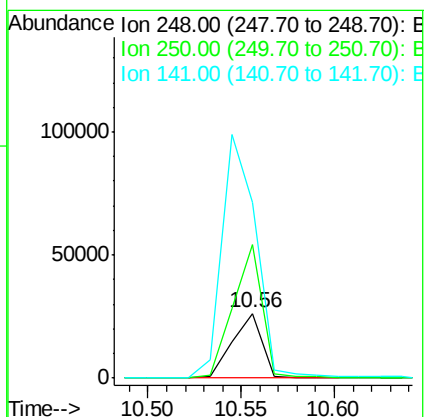
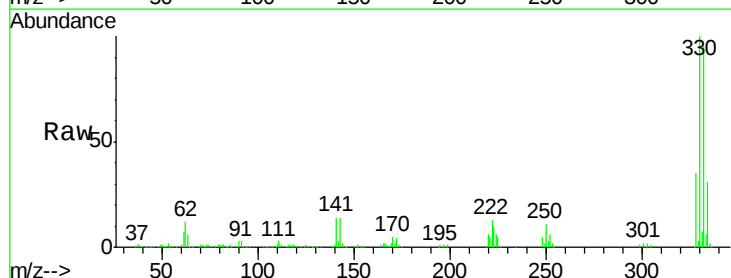
Instrument :
 BNA_F
 ClientSampleId :
 GW-72-8.1-10.0

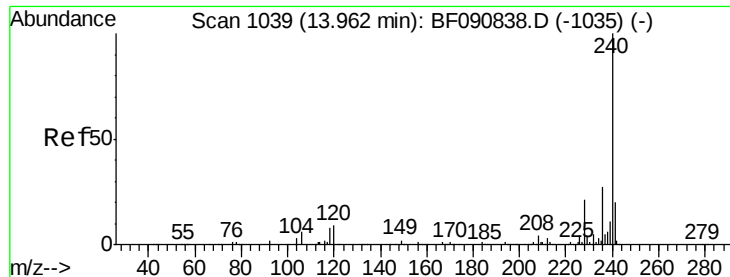
Tgt Ion:188 Resp: 653222
 Ion Ratio Lower Upper
 188 100
 94 12.4 11.1 16.7
 80 13.9 11.0 16.4



#66
 4-Bromophenyl-phenylether
 Concen: 4.12 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.26 min
 Lab File: BF090979.D
 Acq: 2 Nov 2016 15:02

Tgt Ion:248 Resp: 29459
 Ion Ratio Lower Upper
 248 100
 250 206.5 78.5 117.7#
 141 271.7 59.0 88.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF090979.D

Acq: 2 Nov 2016 15:02

Instrument :

BNA_F

ClientSampleId :

GW-72-8.1-10.0

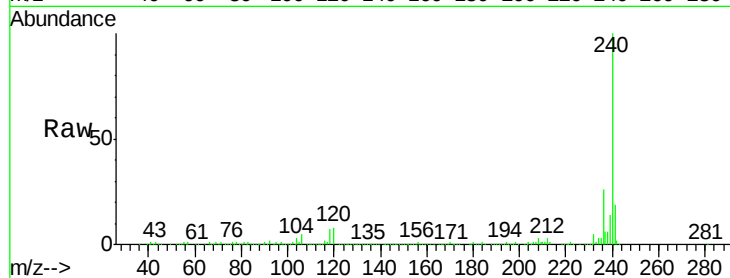
Tgt Ion:240 Resp: 491655

Ion Ratio Lower Upper

240 100

120 7.9 16.2 24.2#

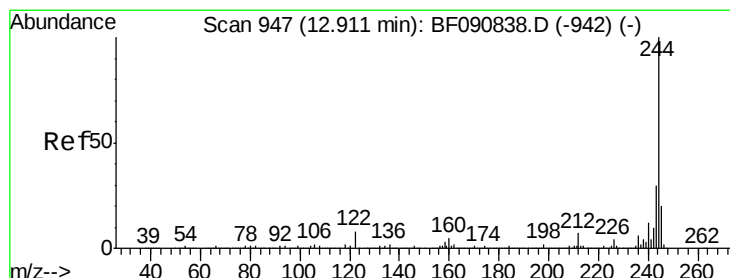
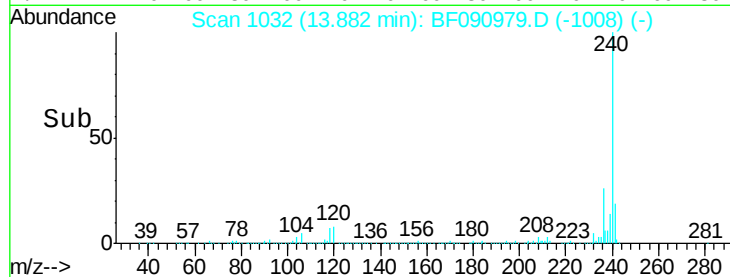
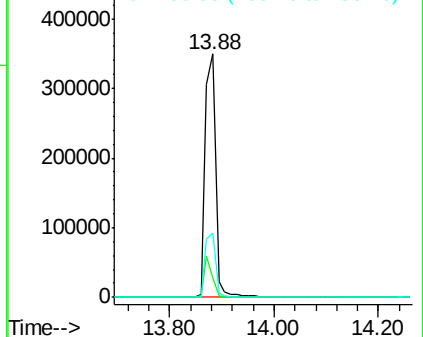
236 26.4 18.4 27.6



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: 82.63 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF090979.D

Acq: 2 Nov 2016 15:02

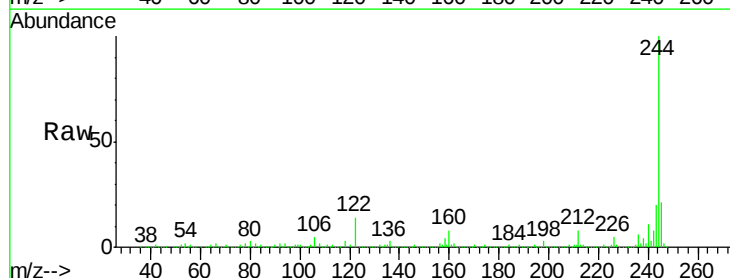
Tgt Ion:244 Resp: 1612459

Ion Ratio Lower Upper

244 100

212 7.9 4.3 6.5#

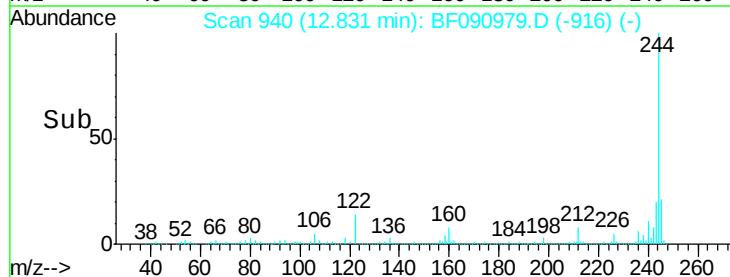
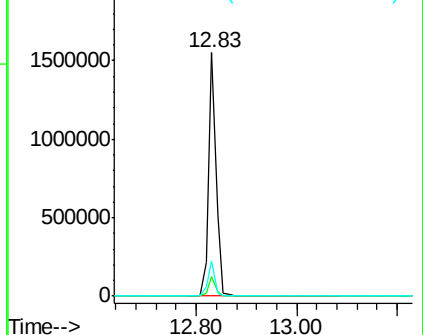
122 14.3 17.4 26.2#

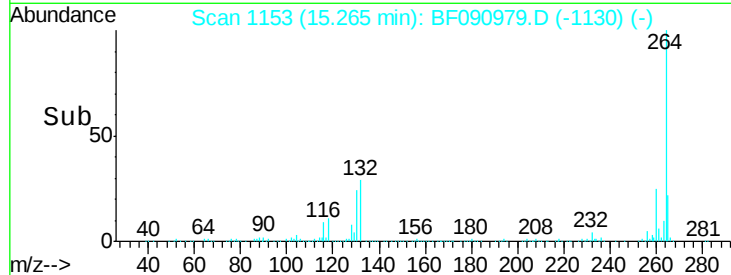
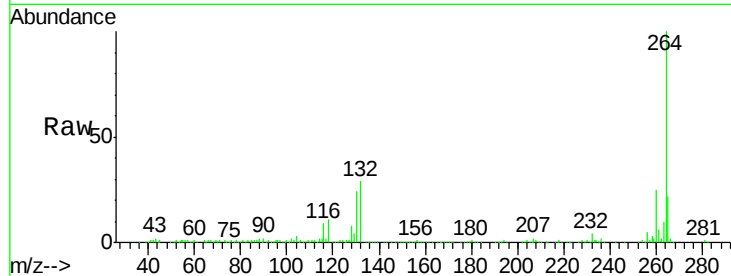
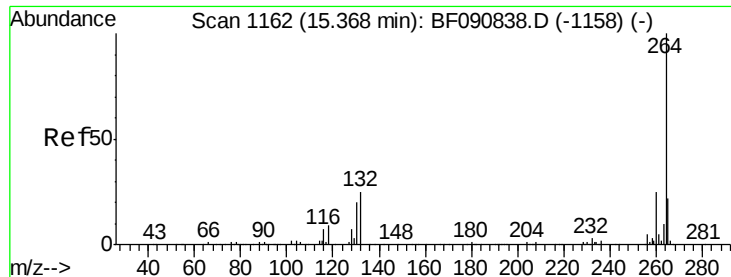


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.27 min Scan# 1153
Delta R.T. -0.03 min
Lab File: BF090979.D
Acq: 2 Nov 2016 15:02

Instrument :
BNA_F
ClientSampleId :
GW-72-8.1-10.0

Tgt Ion: 264 Resp: 316125
Ion Ratio Lower Upper
264 100
260 25.4 16.7 25.1#
265 22.2 17.2 25.8

