

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101517\
 Data File : BF099527.D
 Acq On : 15 Oct 2017 21:36
 Operator : SJ/JU
 Sample : I5821-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

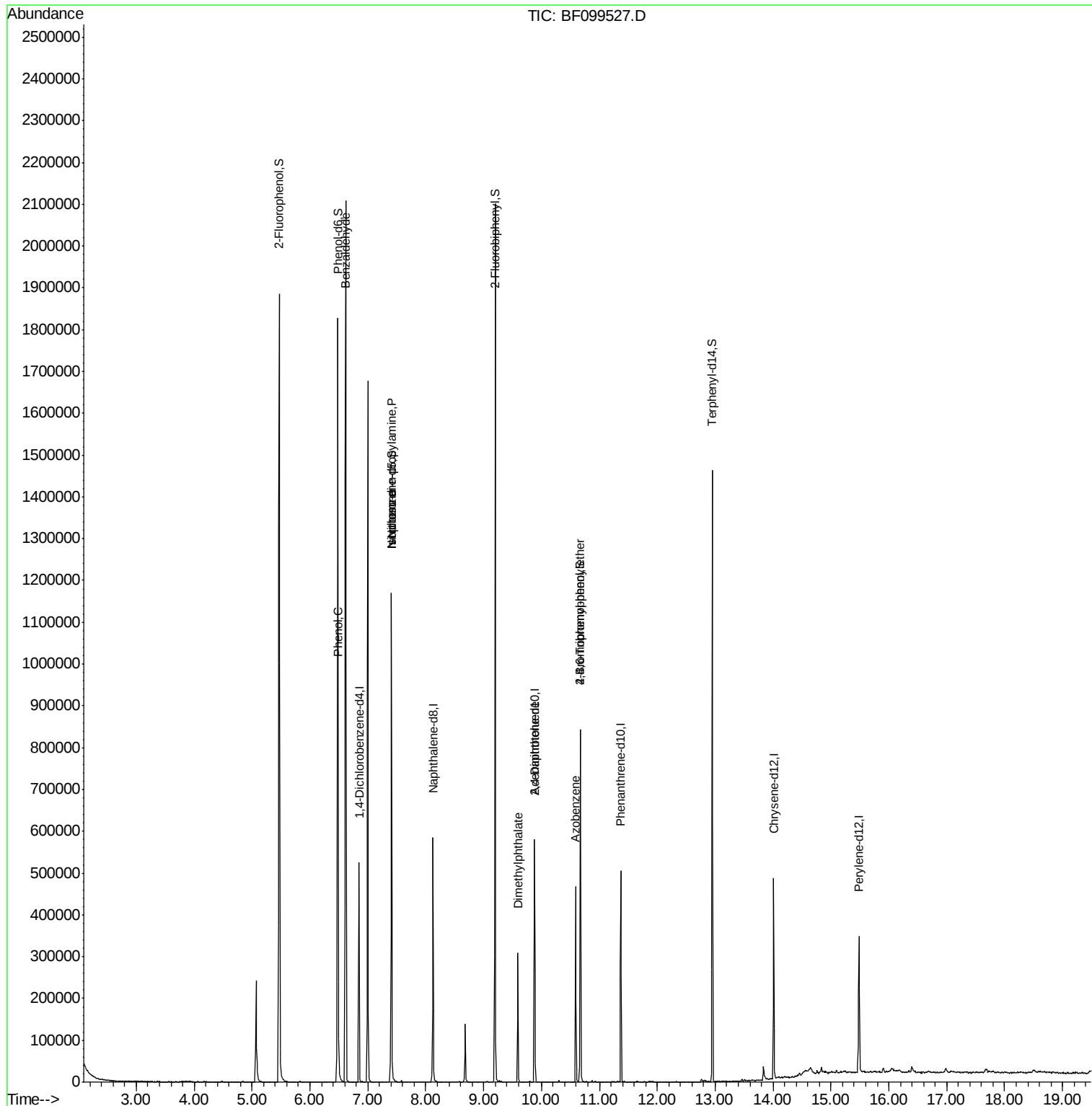
Quant Time: Oct 16 01:09:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

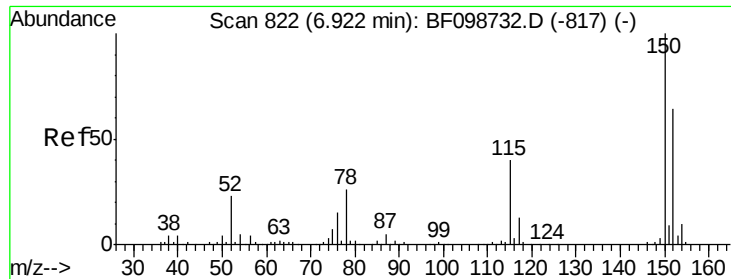
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	80295	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	293485	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	108870	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	160807	20.00	ng	0.00
75) Chrysene-d12	14.01	240	158296	20.00	ng	0.00
86) Perylene-d12	15.49	264	148034	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	570112	113.03	ng	0.00
7) Phenol-d6	6.48	99	657205	105.62	ng	0.00
23) Nitrobenzene-d5	7.41	82	377556	82.50	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	91303	102.49	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	617907	94.75	ng	-0.01
78) Terphenyl-d14	12.95	244	416973	59.91	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	10801	2.99	ng	83
10) Phenol	6.49	94	42071	6.05	ng	95
19) n-Nitroso-di-n-propylamine	7.41	70	46563	11.72	ng	# 74
25) Isophorone	7.41	82	377553	39.90	ng	# 64
49) Dimethylphthalate	9.59	163	116344	14.16	ng	99
56) 2,4-Dinitrotoluene	9.88	165	13770	5.93	ng	# 21
62) Azobenzene	10.59	77	70312	9.52	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	6266	3.98	ng	# 1

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

```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101517\  
Data File : BF099527.D  
Acq On    : 15 Oct 2017   21:36  
Operator  : SJ/JU  
Sample    : I5821-04  
Misc      :  
ALS Vial  : 23      Sample Multiplier: 1
```

Quant Time: Oct 16 01:09:41 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 11 16:25:21 2017
Response via : Initial Calibration



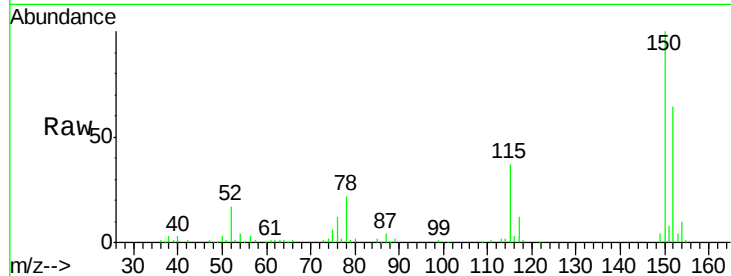


#1

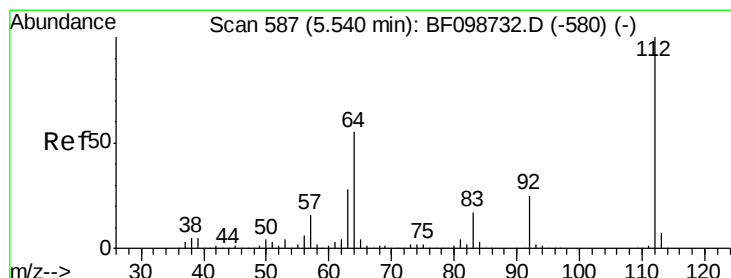
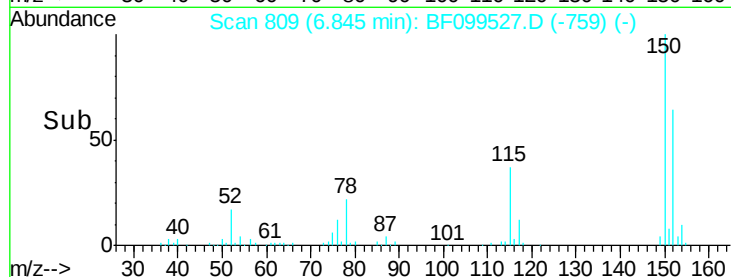
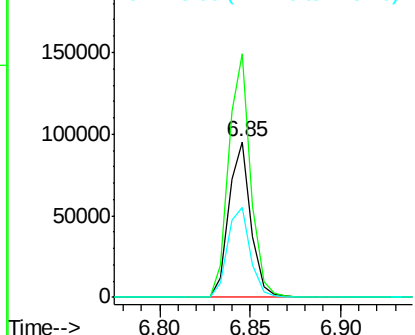
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF099527.D
Acq: 15 Oct 2017 21:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 80295
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 58.2 50.1 75.1



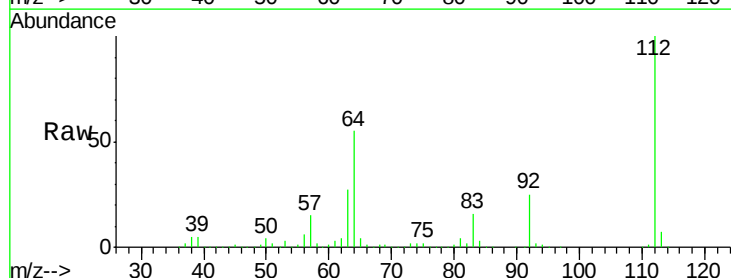
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



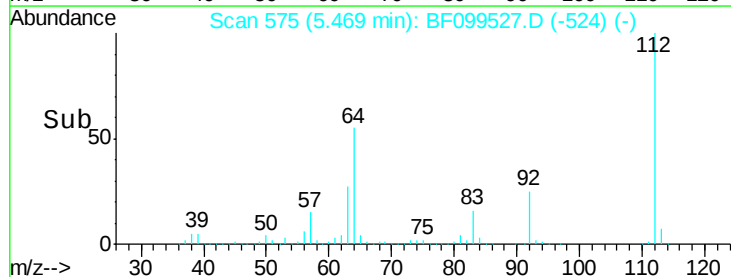
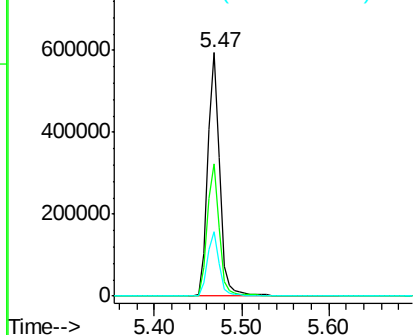
#5

2-Fluorophenol
Concen: 113.03 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF099527.D
Acq: 15 Oct 2017 21:36

Tgt Ion:112 Resp: 570112
Ion Ratio Lower Upper
112 100
64 54.6 47.9 71.9
63 26.6 23.7 35.5



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: 105.62 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099527.D

Acq: 15 Oct 2017 21:36

Instrument :

BNA_F

ClientSampleId :

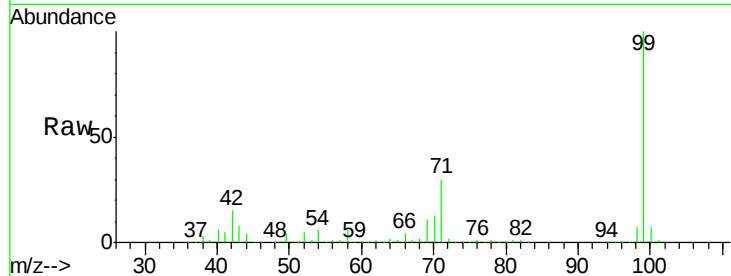
Tot Ion: 99 Resp: 657205

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

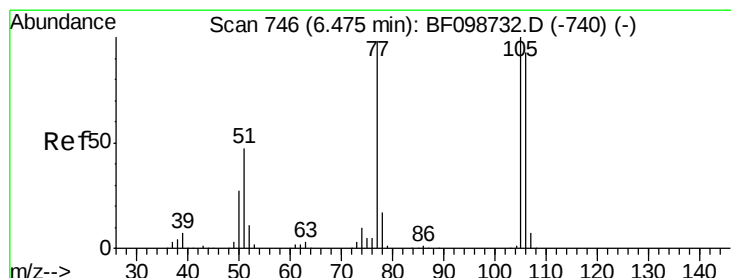
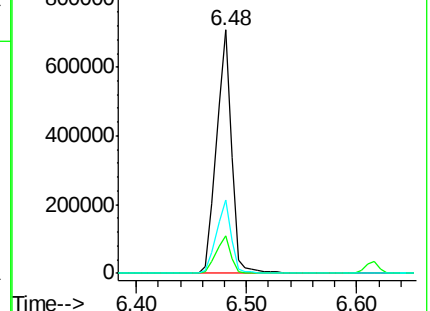
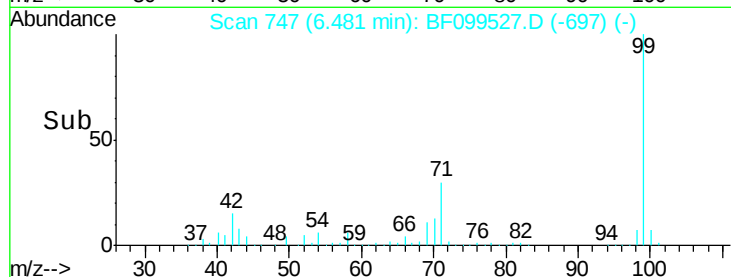
71 30.4 25.4 38.0



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: 2.99 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF099527.D

Acq: 15 Oct 2017 21:36

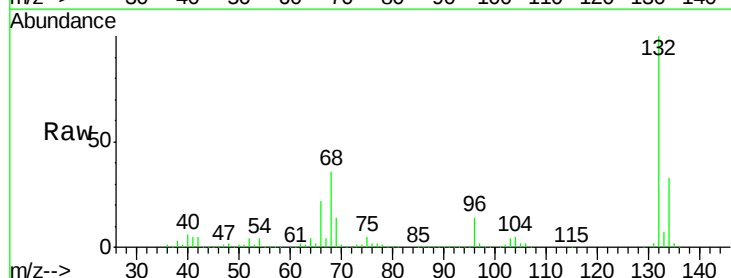
Tgt Ion: 77 Resp: 10801

Ion Ratio Lower Upper

77 100

105 82.9 81.1 121.1

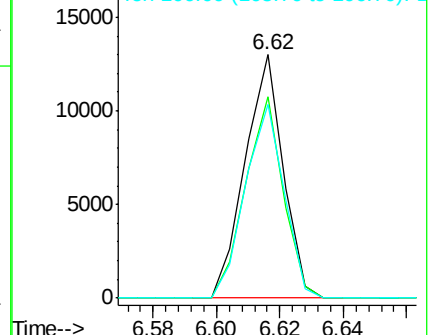
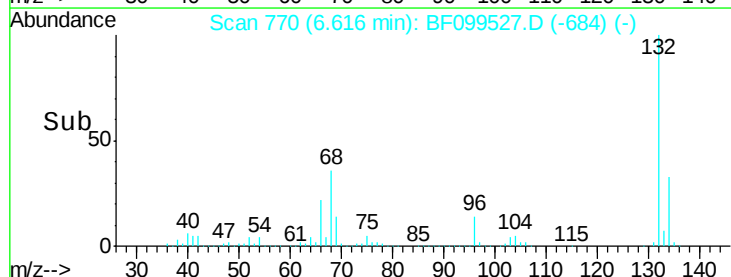
106 79.4 74.5 114.5

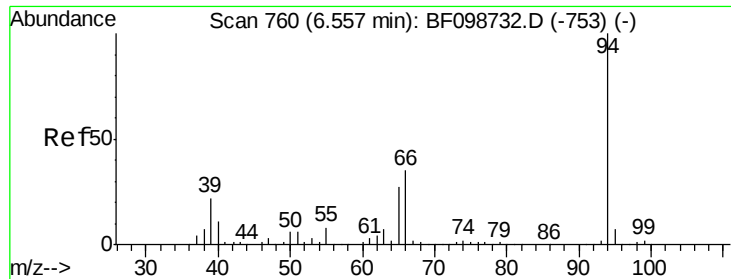


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 6.05 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099527.D

Acq: 15 Oct 2017 21:36

Instrument :

BNA_F

ClientSampleId :

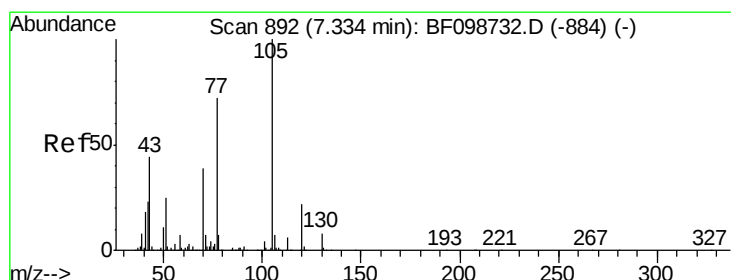
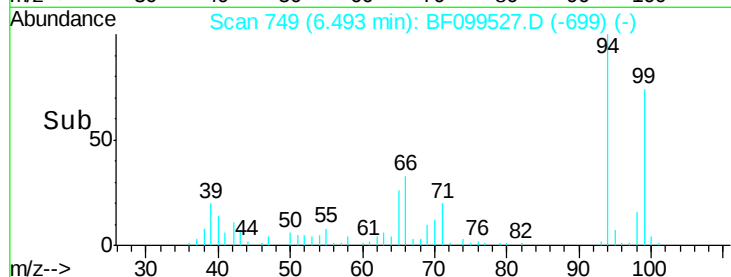
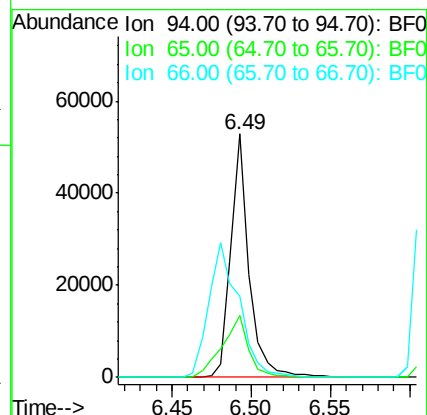
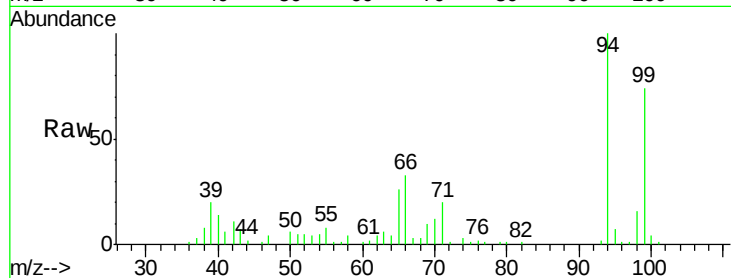
Tot Ion: 94 Resp: 42071

Ion Ratio Lower Upper

94 100

65 25.6 7.9 47.9

66 33.4 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.72 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF099527.D

Acq: 15 Oct 2017 21:36

Tgt Ion: 70 Resp: 46563

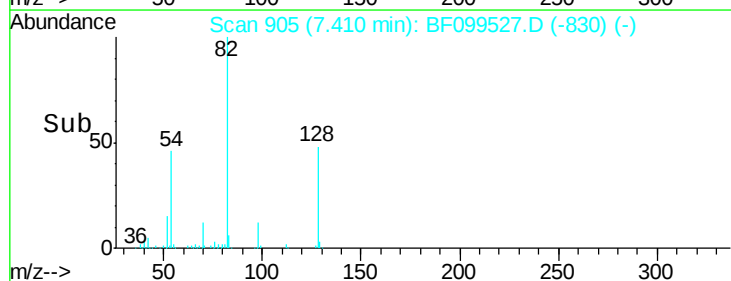
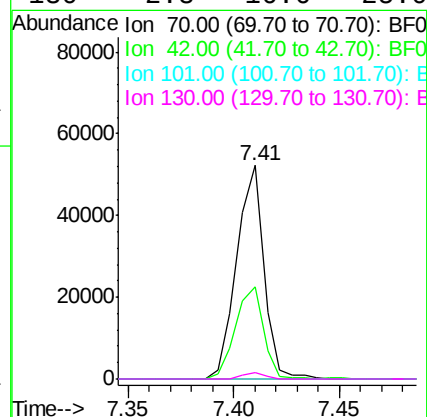
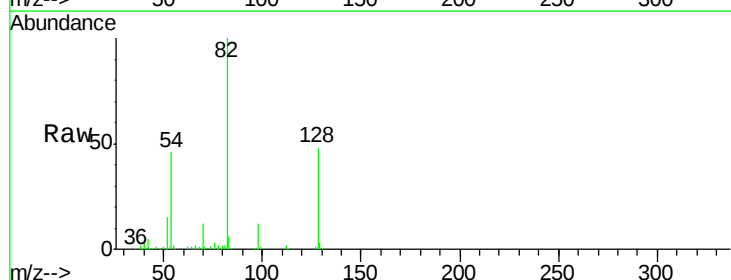
Ion Ratio Lower Upper

70 100

42 43.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

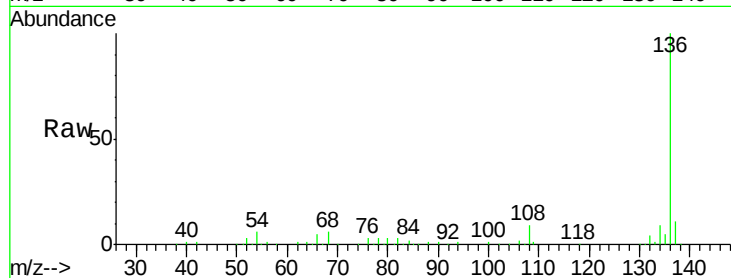




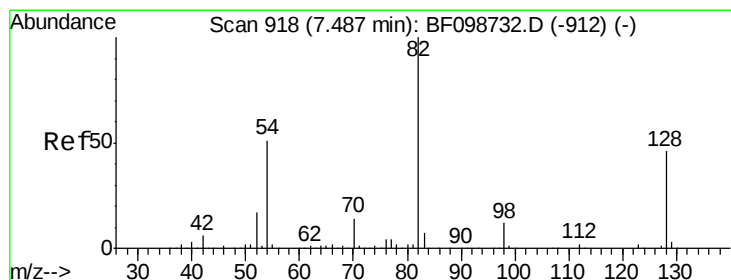
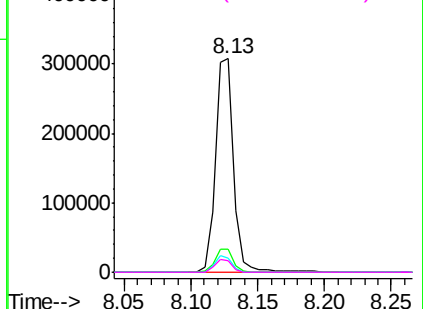
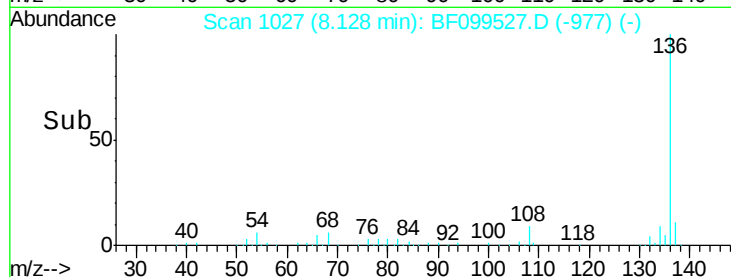
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF099527.D
Acq: 15 Oct 2017 21:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	293485
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	6.4	6.6 9.8#
68	5.7	5.0 7.4

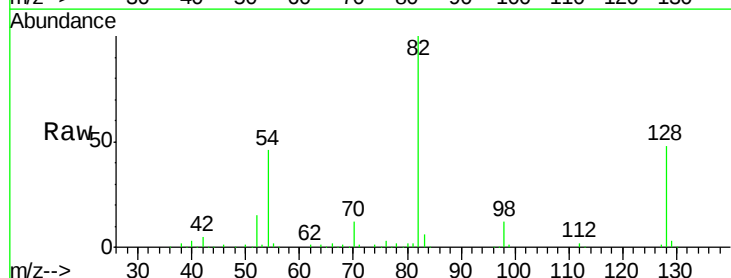


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

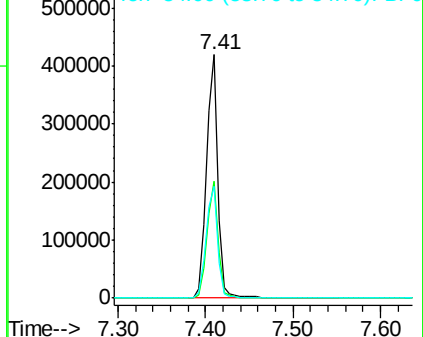
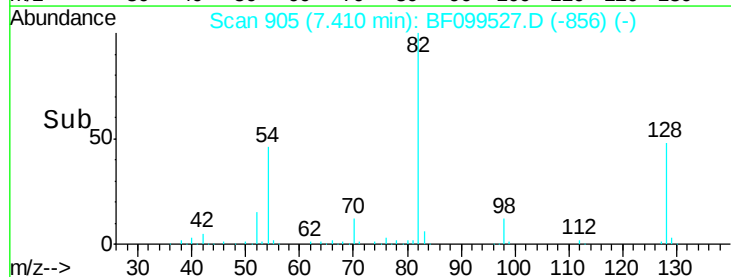


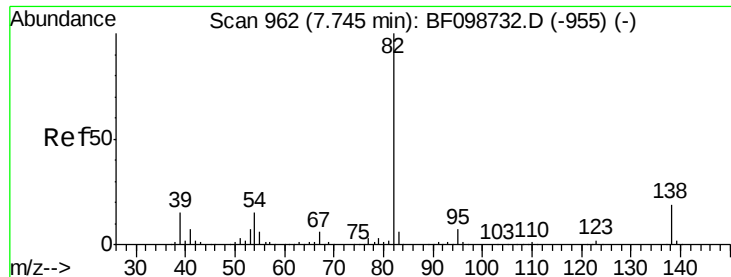
#23
Nitrobenzene-d5
Concen: 82.50 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099527.D
Acq: 15 Oct 2017 21:36

Tgt Ion: 82	Resp:	377556
Ion Ratio	Lower	Upper
82	100	
128	48.0	36.1 54.1
54	45.8	41.4 62.2



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: 39.90 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF099527.D

Acq: 15 Oct 2017 21:36

Instrument :

BNA_F

ClientSampleId :

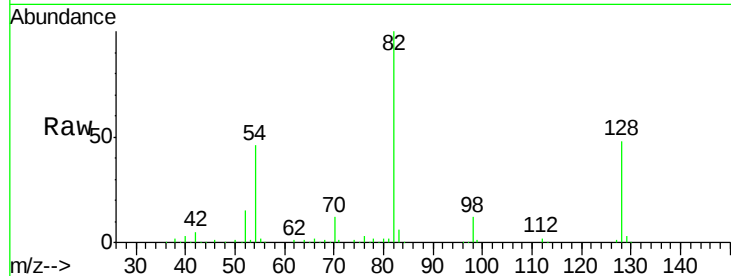
Tot Ion: 82 Resp: 377553

Ion Ratio Lower Upper

82 100

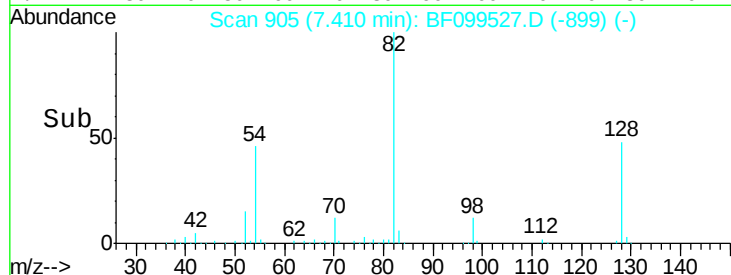
95 0.0 5.2 7.8#

138 0.0 14.9 22.3#

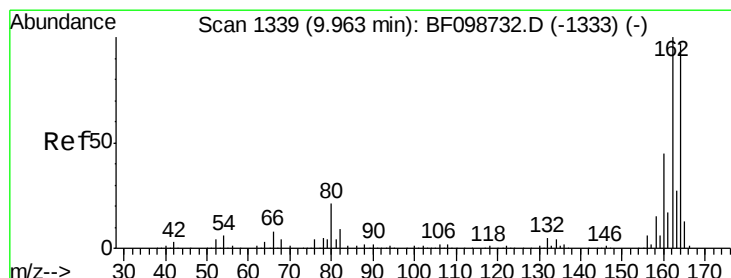


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E

7.41



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF099527.D

Acq: 15 Oct 2017 21:36

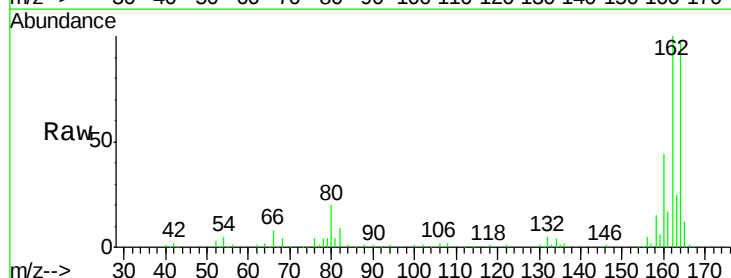
Tgt Ion: 164 Resp: 108870

Ion Ratio Lower Upper

164 100

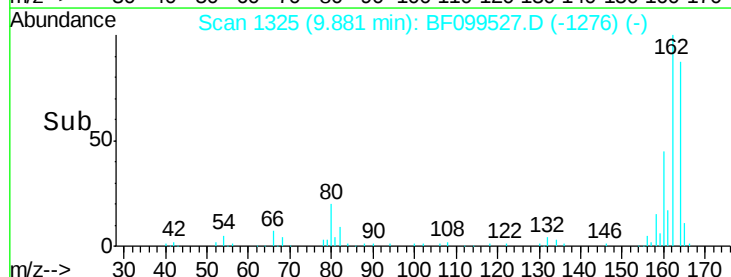
162 102.8 86.1 129.1

160 45.6 38.3 57.5

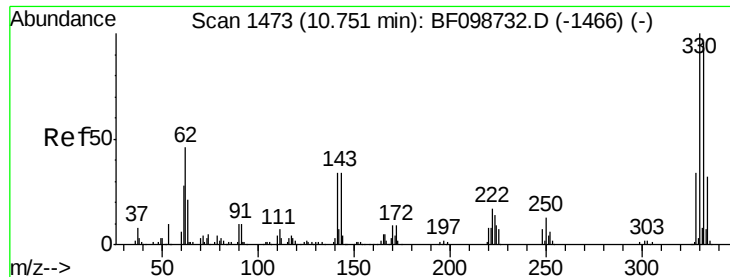


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

9.88



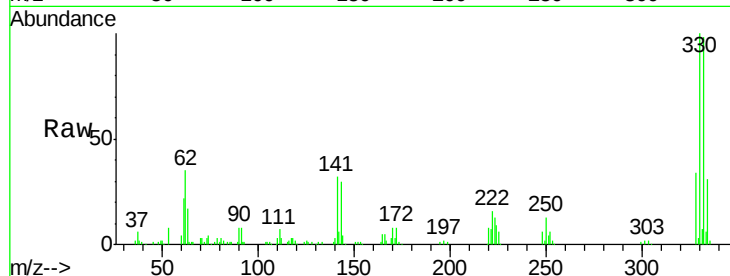
Time-->



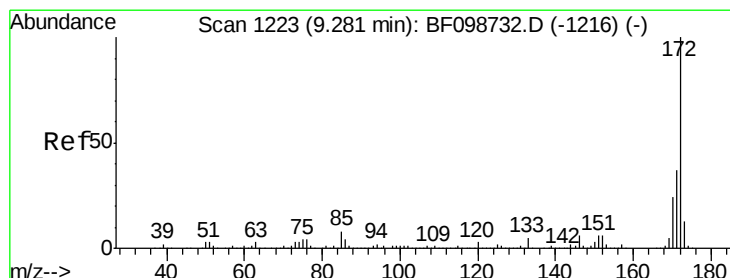
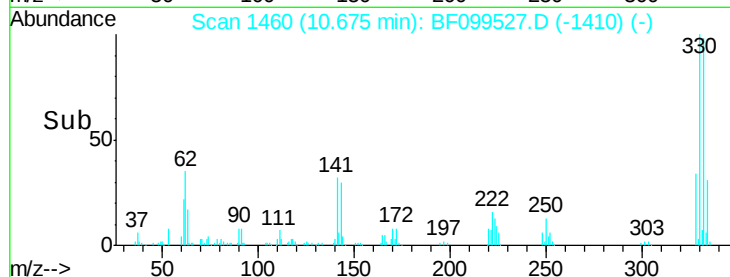
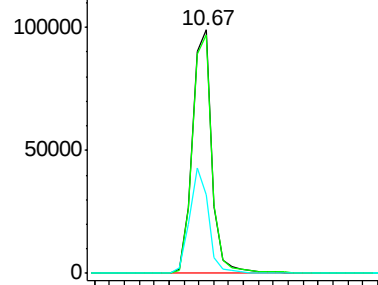
#41
 2,4,6-Tribromophenol
 Concen: 102.49 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099527.D
 Acq: 15 Oct 2017 21:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 91303
 Ion Ratio Lower Upper
 330 100
 332 98.5 77.0 115.6
 141 41.6 29.9 44.9

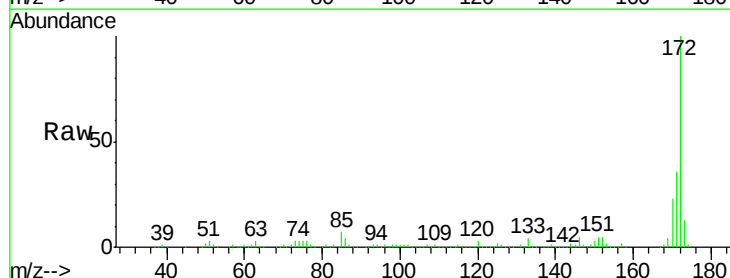


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

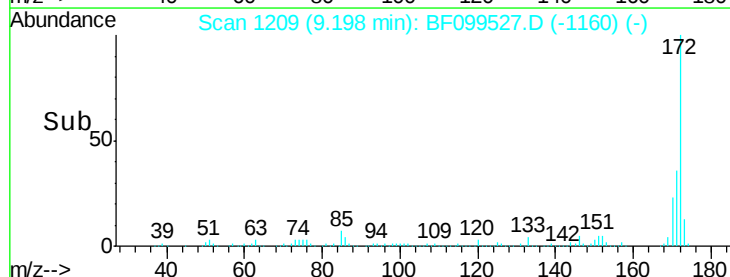
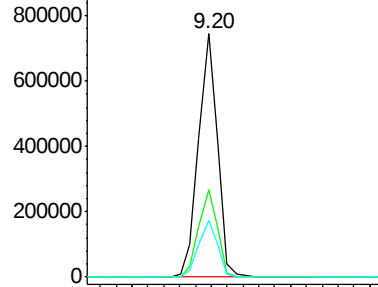


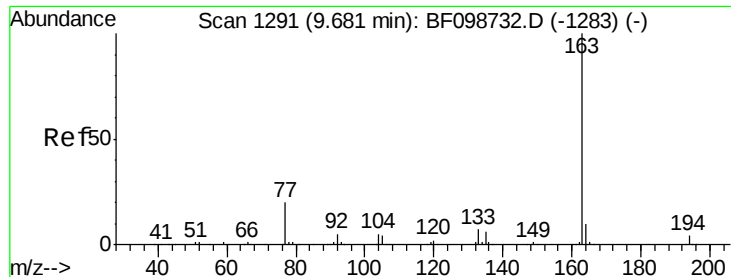
#44
 2-Fluorobiphenyl
 Concen: 94.75 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF099527.D
 Acq: 15 Oct 2017 21:36

Tgt Ion:172 Resp: 617907
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 23.2 19.6 29.4



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

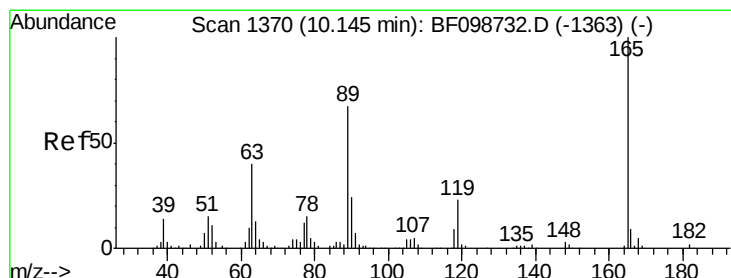
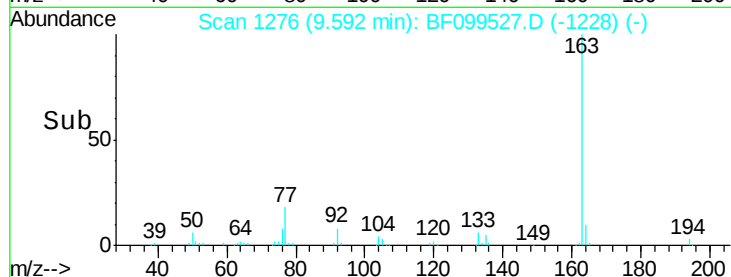
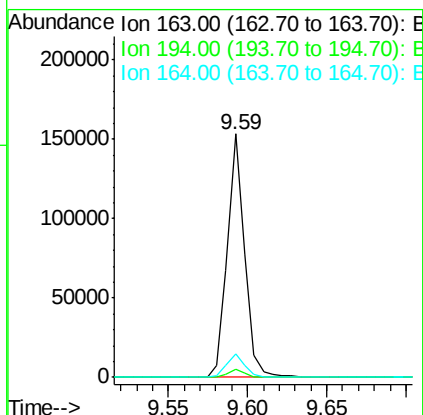
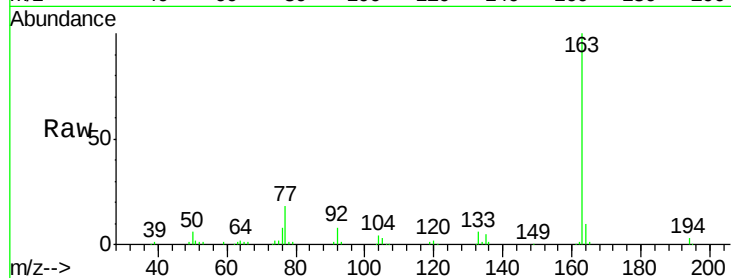




#49
Dimethylphthalate
Concen: 14.16 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF099527.D
Acq: 15 Oct 2017 21:36

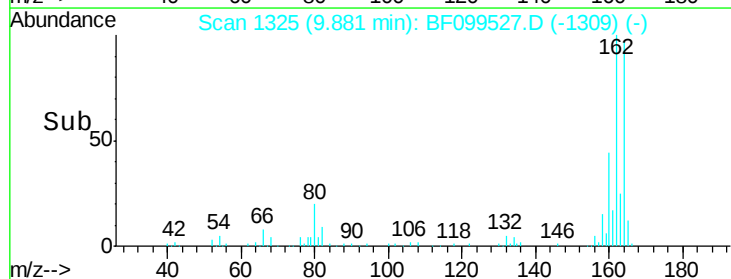
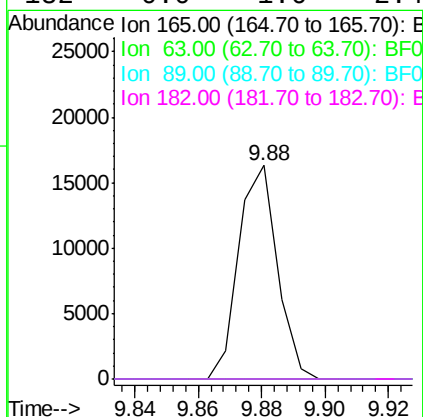
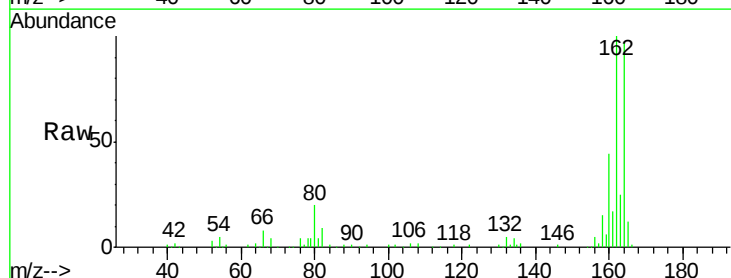
Instrument :
BNA_F
ClientSampleId :

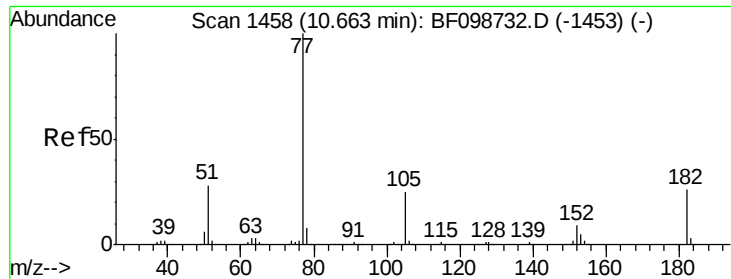
Tot Ion:163 Resp: 116344
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.7 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 5.93 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.21 min
Lab File: BF099527.D
Acq: 15 Oct 2017 21:36

Tgt Ion:165 Resp: 13770
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#





#62

Azobenzene

Concen: 9.52 ng

RT: 10.59 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BF099527.D

Acq: 15 Oct 2017 21:36

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 70312

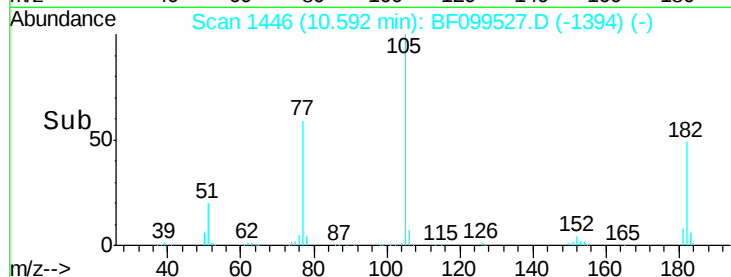
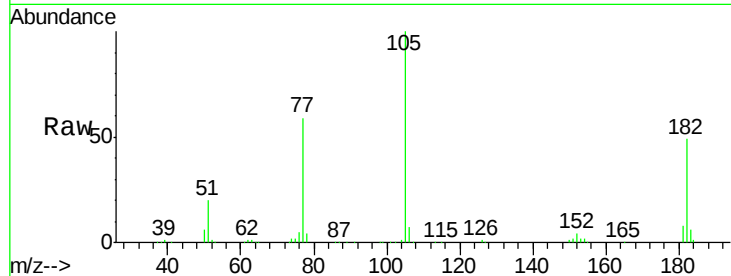
Ion Ratio Lower Upper

77 100

182 82.5 1.7 41.7#

105 168.7 3.0 43.0#

51 33.5 9.9 49.9

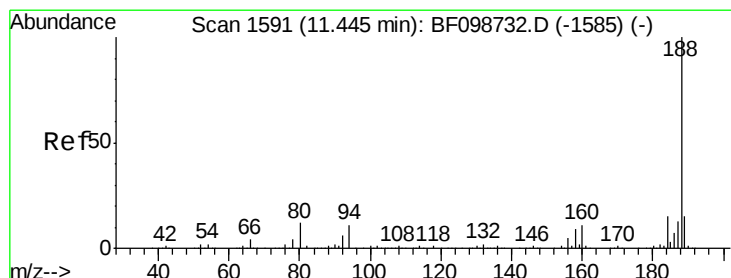
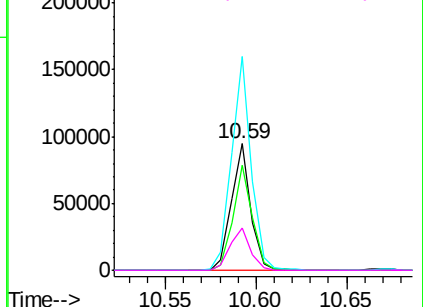


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF099527.D

Acq: 15 Oct 2017 21:36

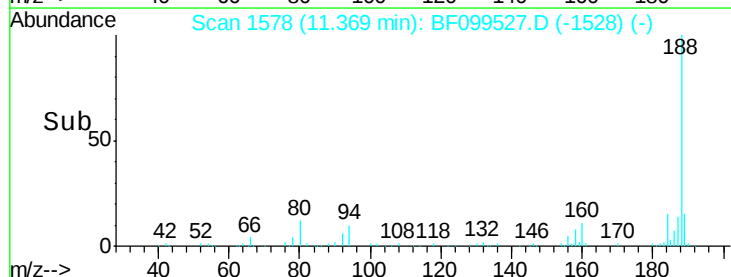
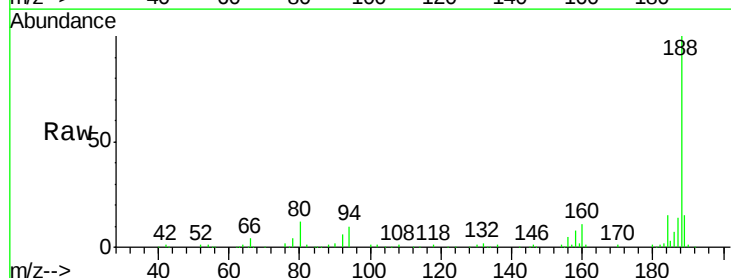
Tgt Ion: 188 Resp: 160807

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

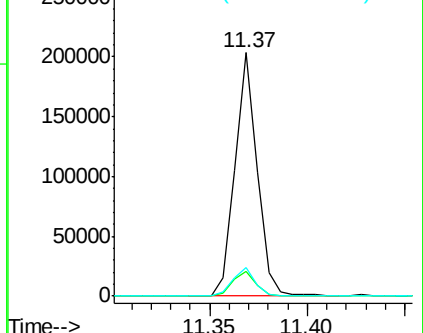
80 11.6 9.2 13.8

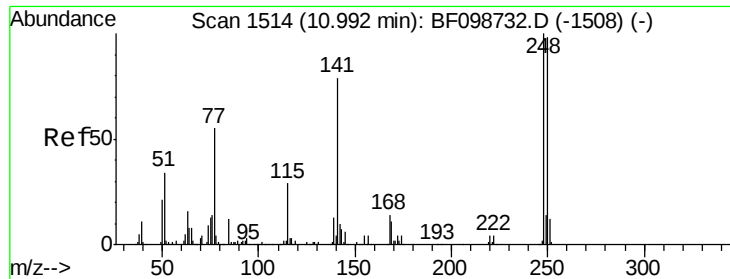


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

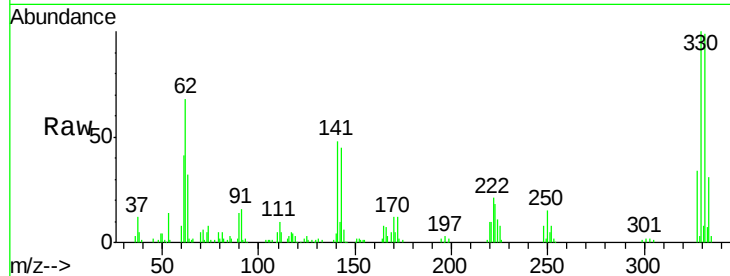




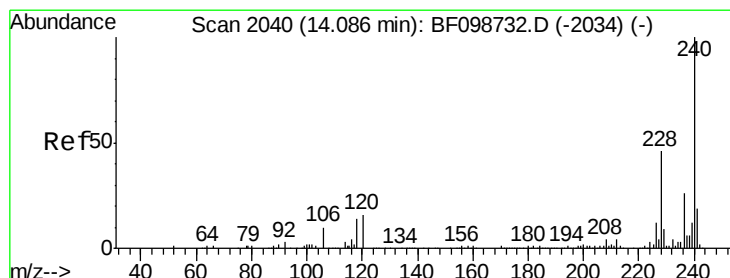
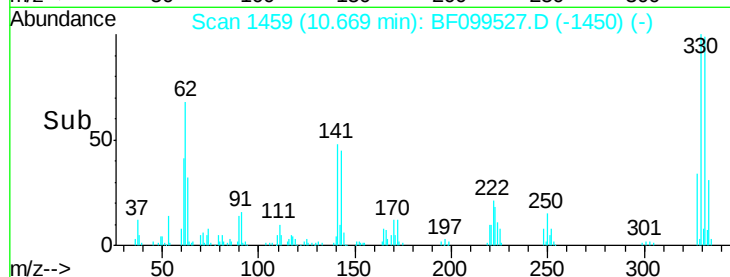
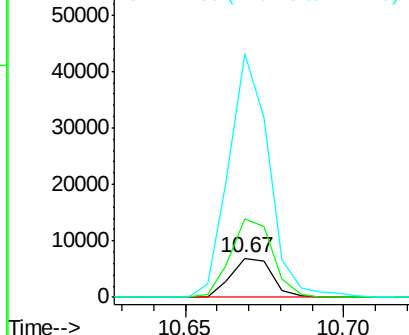
#66
4-Bromophenyl-phenylether
Concen: 3.98 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF099527.D
Acq: 15 Oct 2017 21:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 6266
Ion Ratio Lower Upper
248 100
250 201.3 76.9 115.3#
141 621.5 74.4 111.6#

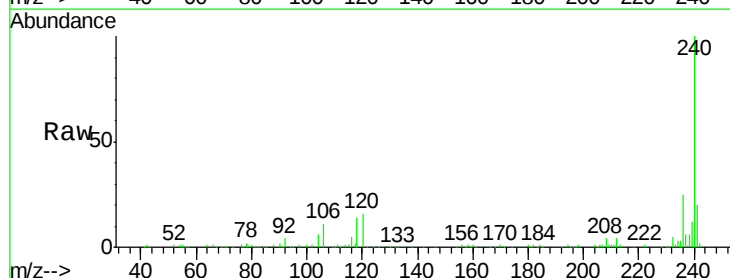


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

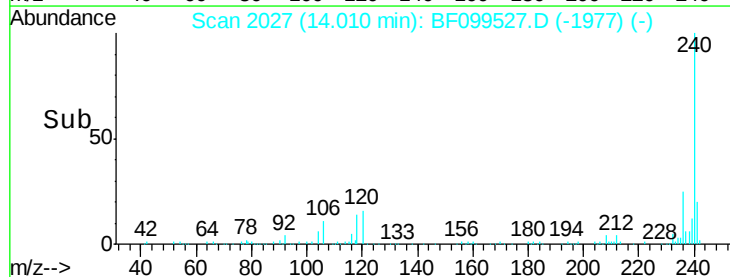
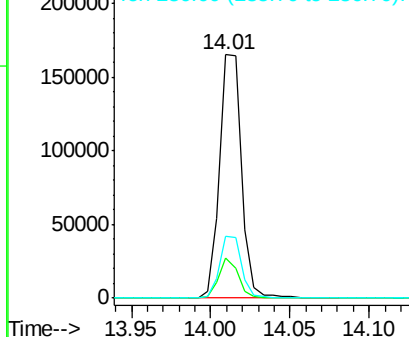


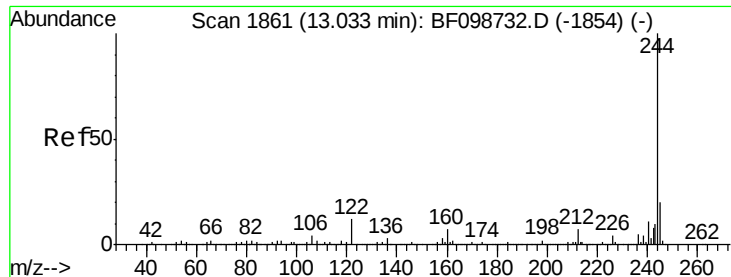
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099527.D
Acq: 15 Oct 2017 21:36

Tgt Ion:240 Resp: 158296
Ion Ratio Lower Upper
240 100
120 16.2 9.5 14.3#
236 25.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

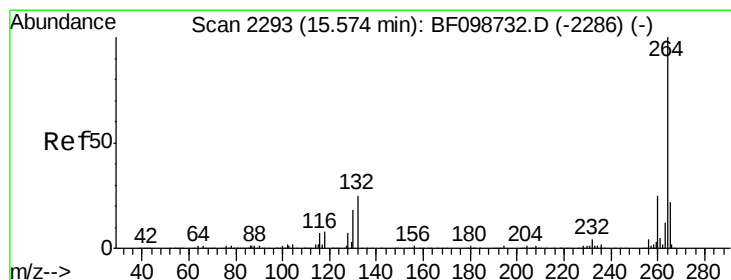
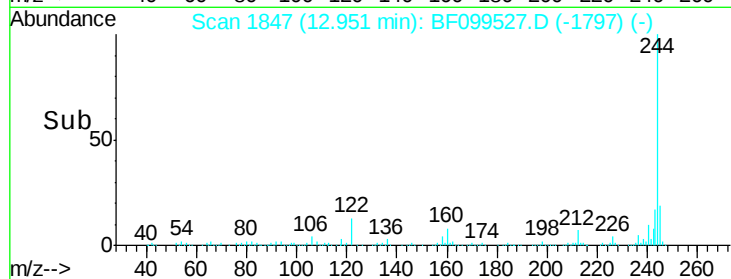
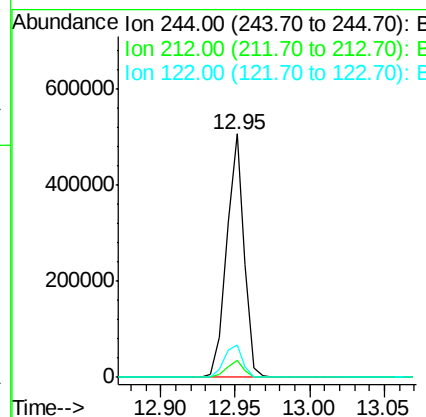
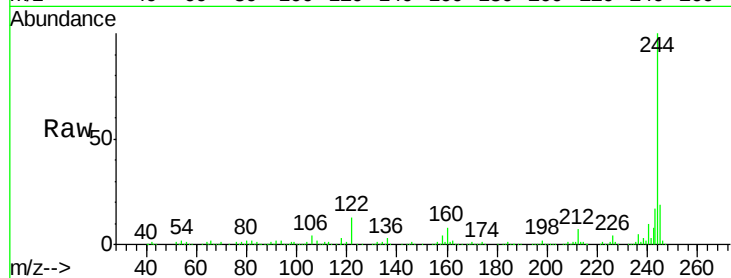




#78
 Terphenyl-d14
 Concen: 59.91 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF099527.D
 Acq: 15 Oct 2017 21:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 416973
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.5 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BF099527.D
 Acq: 15 Oct 2017 21:36

Tgt Ion:264 Resp: 148034
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 20.2 17.5 26.3

