

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101717\
 Data File : BF099582.D
 Acq On : 17 Oct 2017 15:48
 Operator : SJ/JU
 Sample : I5857-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

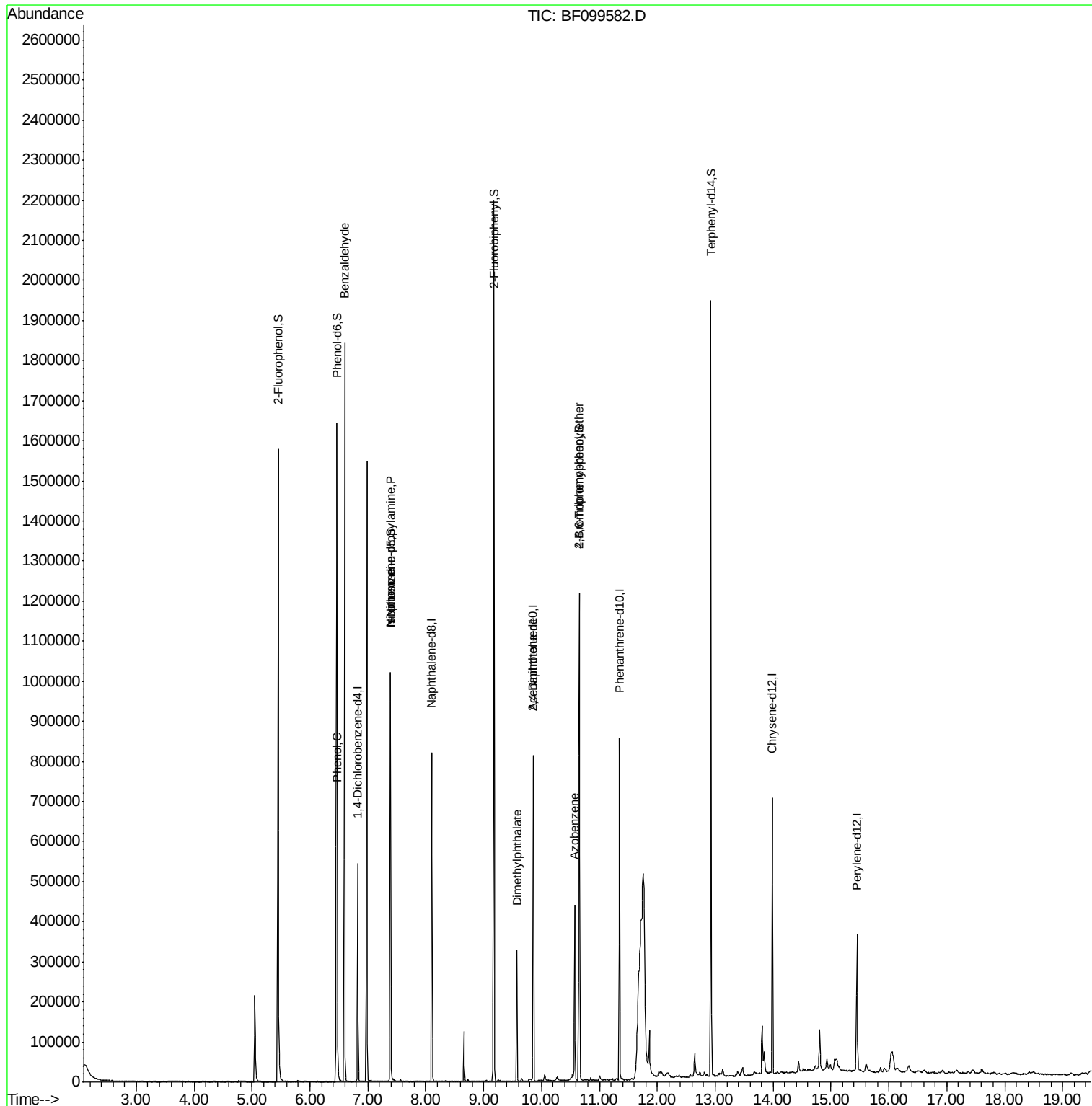
Quant Time: Oct 17 17:33:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 17:32:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	88640	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	367346	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	168410	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	305952	20.00	ng	0.00
75) Chrysene-d12	13.99	240	207437	20.00	ng	-0.01
86) Perylene-d12	15.45	264	150534	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	504767	90.65	ng	0.00
7) Phenol-d6	6.46	99	604710	88.03	ng	0.00
23) Nitrobenzene-d5	7.39	82	355031	61.98	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	131404	95.36	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	705355	69.92	ng	0.00
78) Terphenyl-d14	12.93	244	609181	66.79	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	9990	2.507	ng	Qvalue 90
10) Phenol	6.47	94	36217	4.714	ng	94
19) n-Nitroso-di-n-propylamine	7.39	70	45519	10.379	ng	# 72
25) Isophorone	7.39	82	355026	29.978	ng	# 64
49) Dimethylphthalate	9.57	163	126440	9.948	ng	99
56) 2,4-Dinitrotoluene	9.86	165	21296	5.930	ng	# 22
62) Azobenzene	10.57	77	78037	6.833	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	9133	3.050	ng	# 1

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

```
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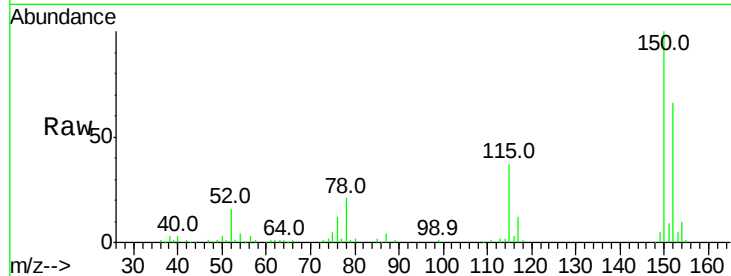


#1

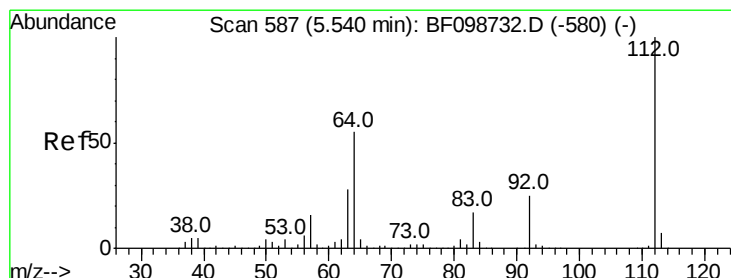
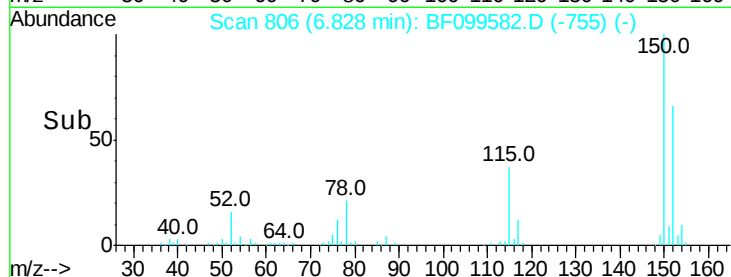
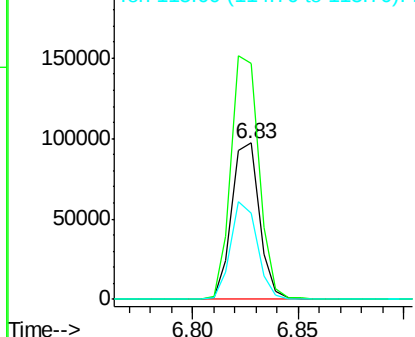
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.00 min
Lab File: BF099582.D
Acq: 17 Oct 2017 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 88640
Ion Ratio Lower Upper
152 100
150 150.9 124.6 186.8
115 55.2 50.1 75.1



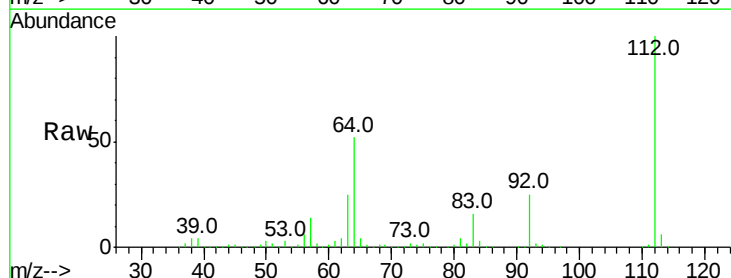
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



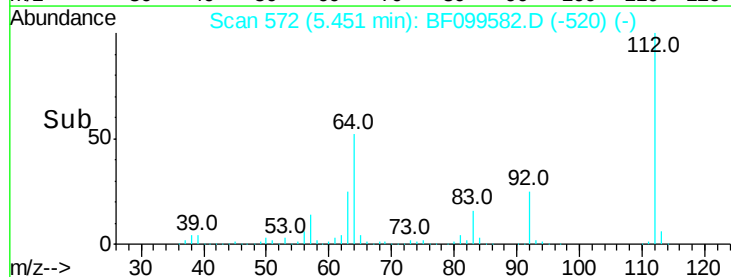
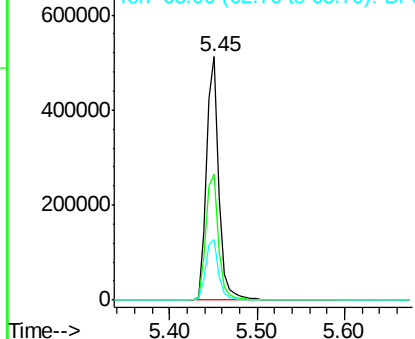
#5

2-Fluorophenol
Concen: 90.652 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF099582.D
Acq: 17 Oct 2017 15:48

Tgt Ion:112 Resp: 504767
Ion Ratio Lower Upper
112 100
64 51.6 47.9 71.9
63 25.0 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: 88.035 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF099582.D

Acq: 17 Oct 2017 15:48

Instrument :

BNA_F

ClientSampleId :

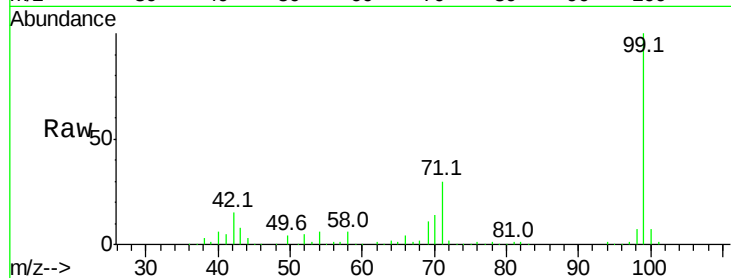
Tot Ion: 99 Resp: 604710

Ion Ratio Lower Upper

99 100

42 14.5 14.5 21.7

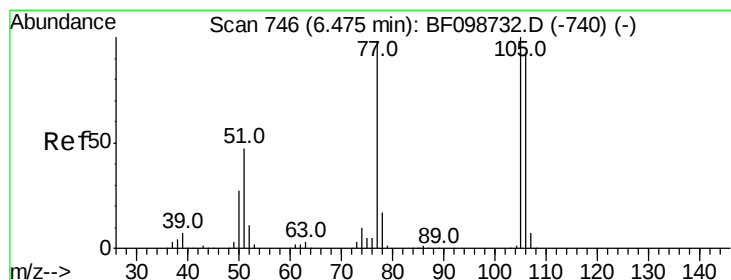
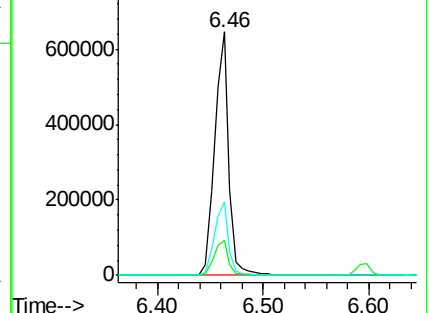
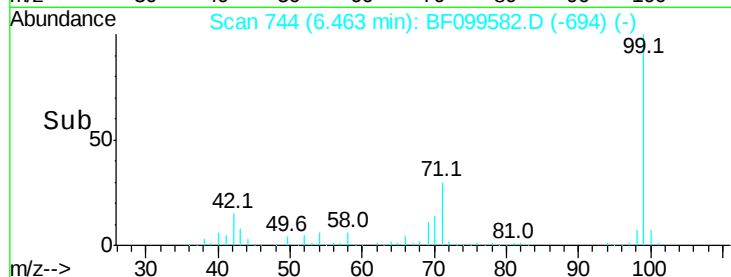
71 29.9 25.4 38.0



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: 2.507 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.21 min

Lab File: BF099582.D

Acq: 17 Oct 2017 15:48

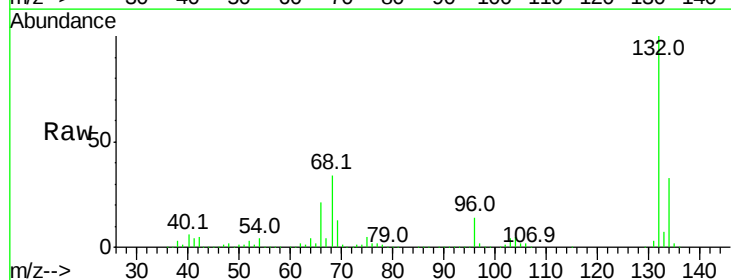
Tgt Ion: 77 Resp: 9990

Ion Ratio Lower Upper

77 100

105 87.0 81.1 121.1

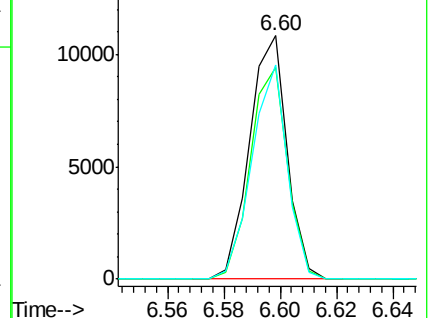
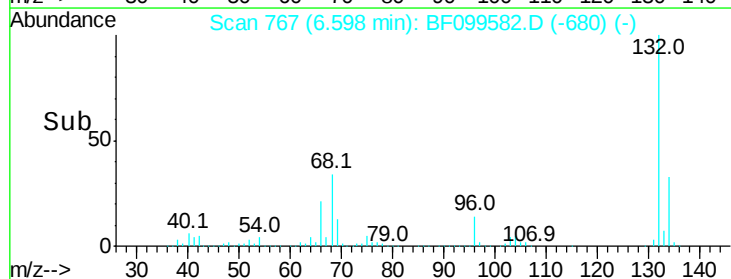
106 88.2 74.5 114.5

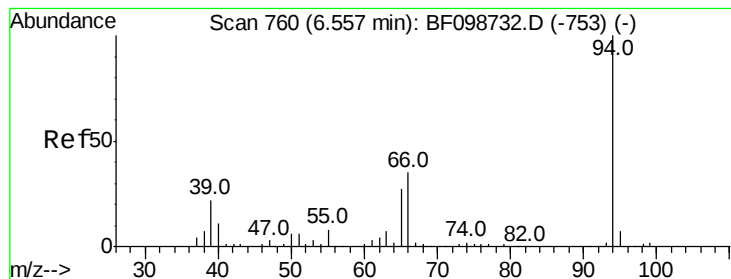


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 4.714 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099582.D

Acq: 17 Oct 2017 15:48

Instrument :

BNA_F

ClientSampled :

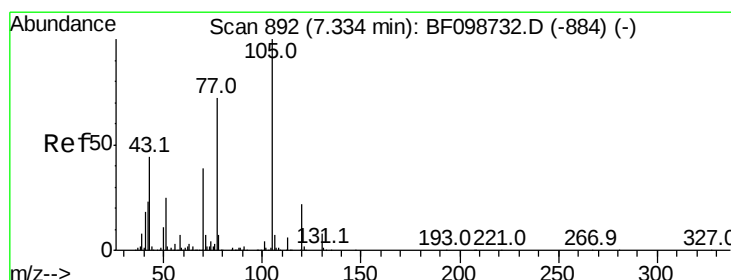
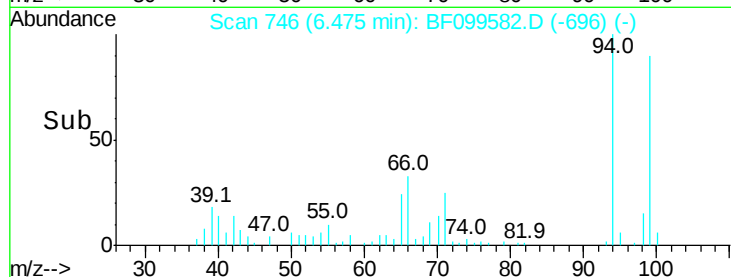
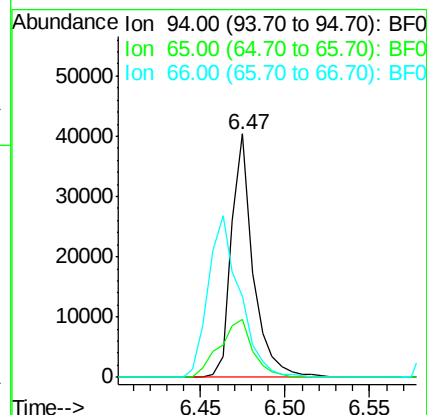
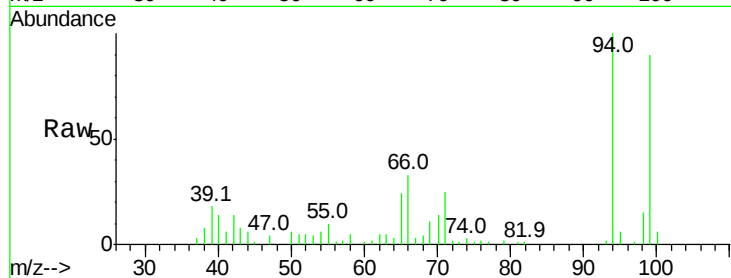
Tot Ion: 94 Resp: 36217

Ion Ratio Lower Upper

94 100

65 23.9 7.9 47.9

66 33.3 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.379 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF099582.D

Acq: 17 Oct 2017 15:48

Tgt Ion: 70 Resp: 45519

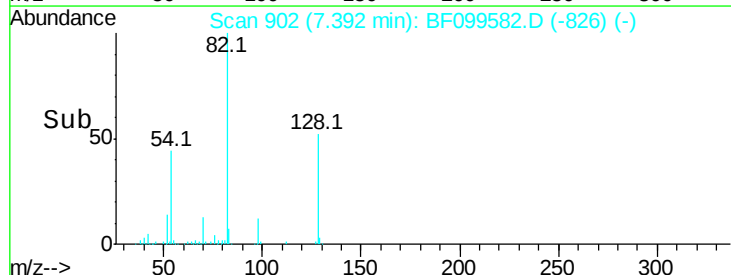
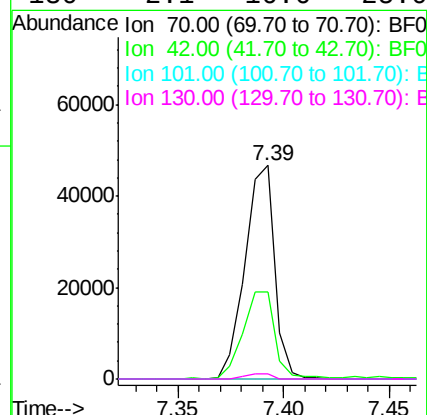
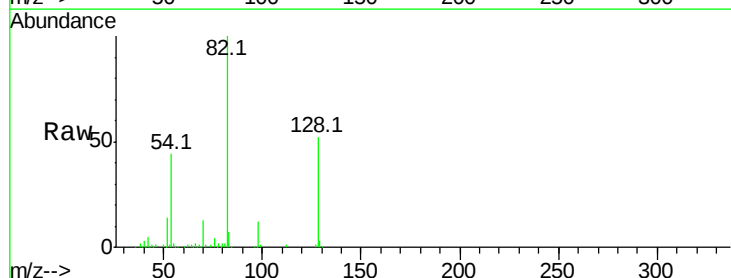
Ion Ratio Lower Upper

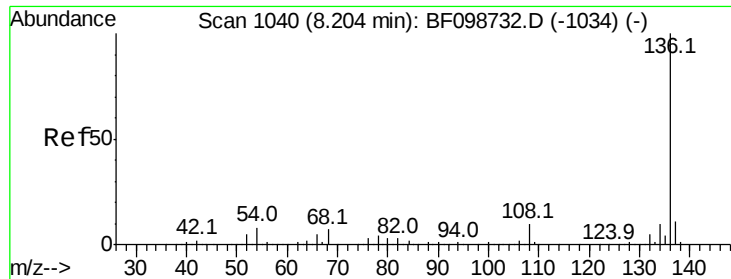
70 100

42 40.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

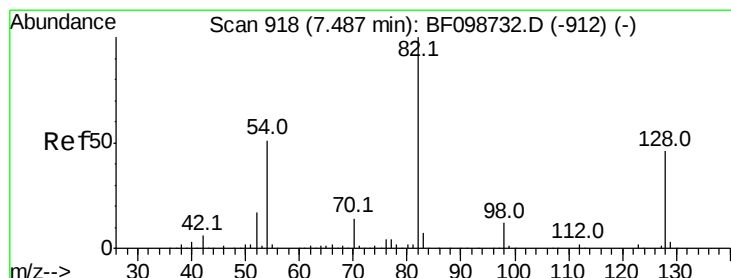
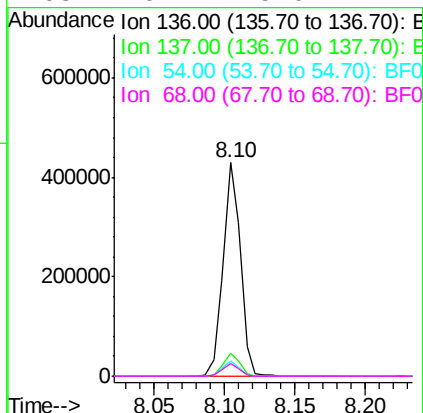
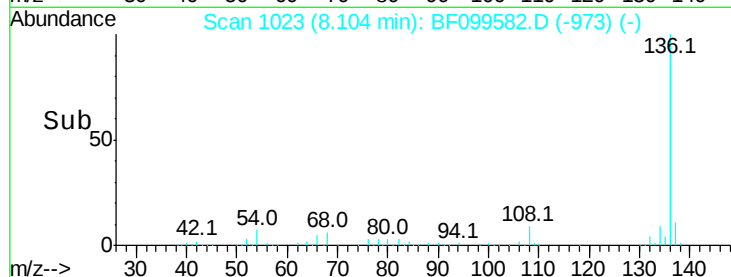
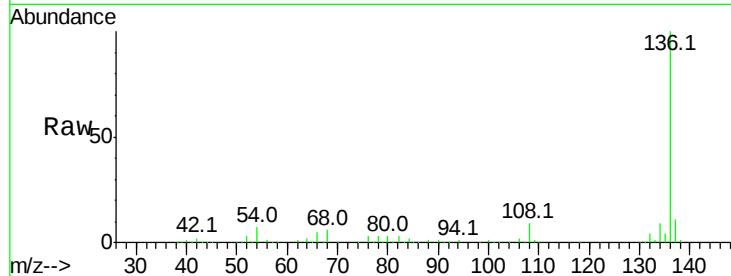




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF099582.D
Acq: 17 Oct 2017 15:48

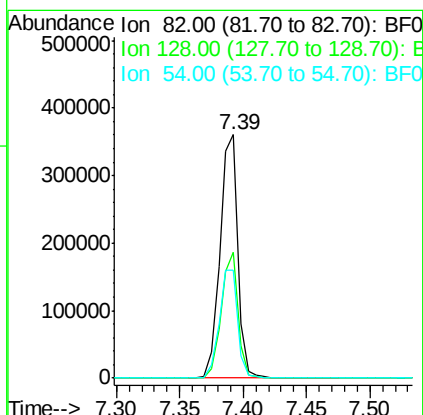
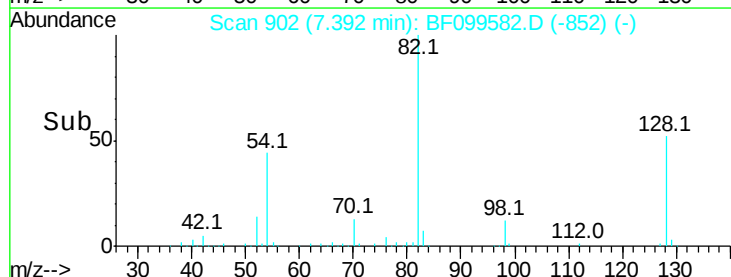
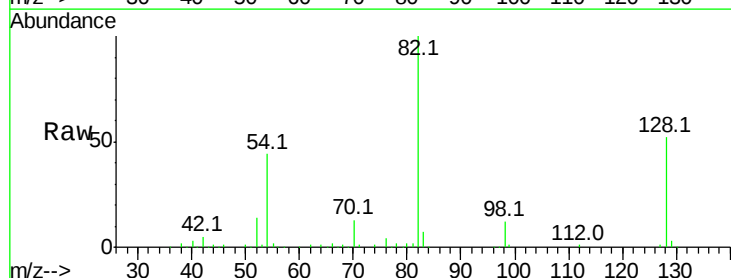
Instrument :
BNA_F
ClientSampleId :

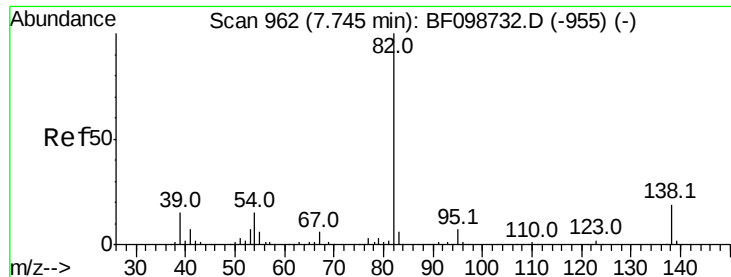
Tot Ion:	136	Resp:	367346
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.3	6.6	9.8
68	6.2	5.0	7.4



#23
Nitrobenzene-d5
Concen: 61.980 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099582.D
Acq: 17 Oct 2017 15:48

Tgt Ion:	82	Resp:	355031
Ion	Ratio	Lower	Upper
82	100		
128	51.6	36.1	54.1
54	44.4	41.4	62.2





#25

Isophorone

Concen: 29.978 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF099582.D

Acq: 17 Oct 2017 15:48

Instrument :

BNA_F

ClientSampled :

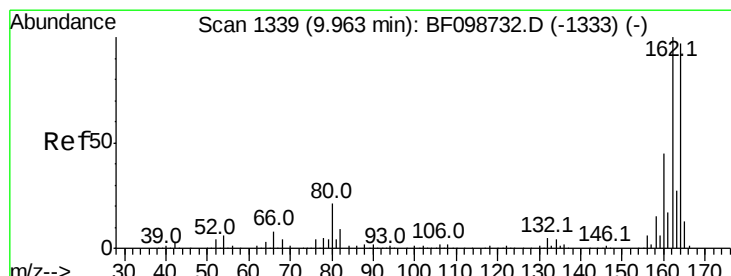
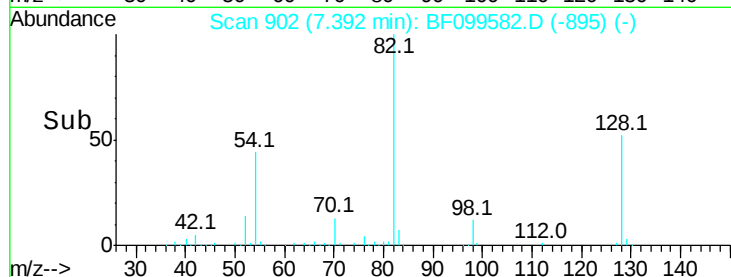
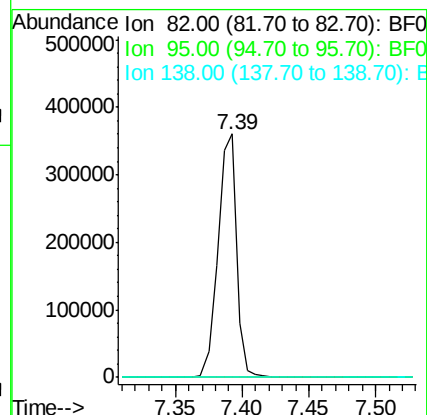
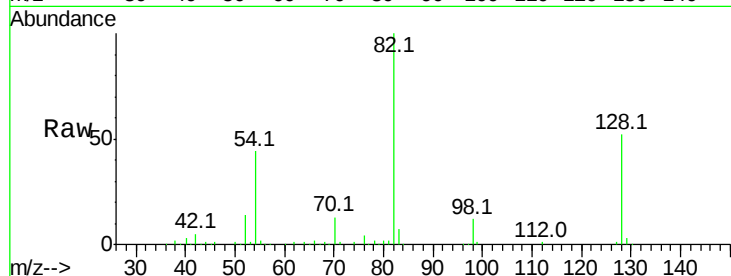
Tot Ion: 82 Resp: 355026

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF099582.D

Acq: 17 Oct 2017 15:48

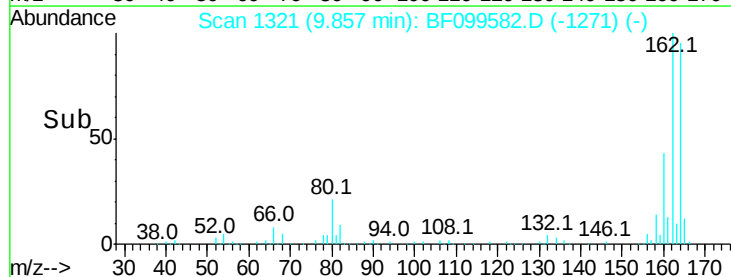
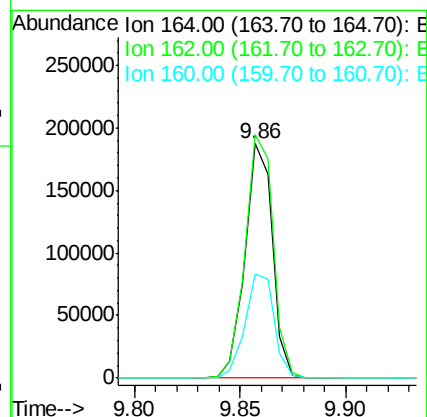
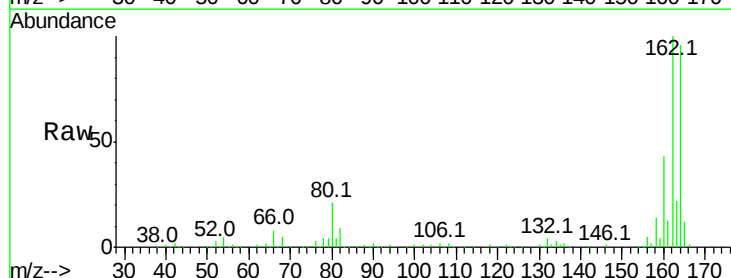
Tgt Ion: 164 Resp: 168410

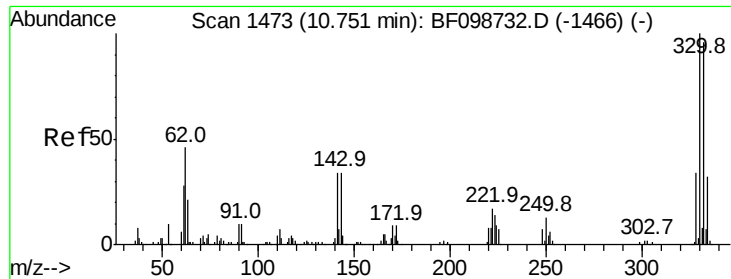
Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

160 44.2 38.3 57.5

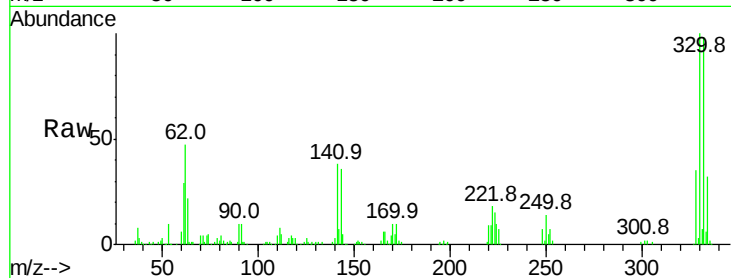




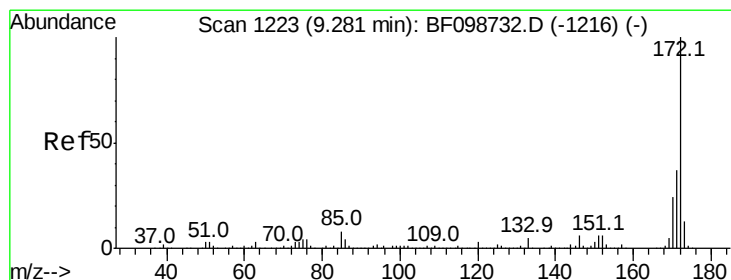
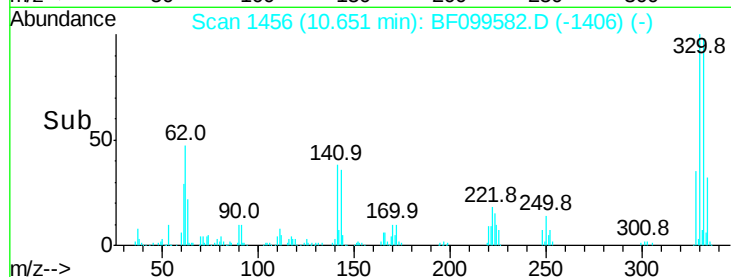
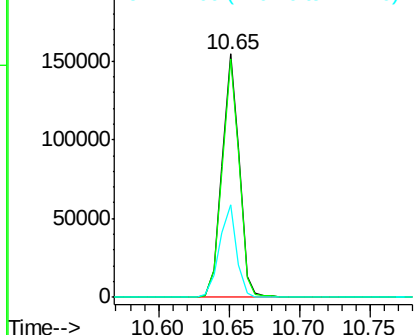
#41
 2,4,6-Tribromophenol
 Concen: 95.355 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF099582.D
 Acq: 17 Oct 2017 15:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 131404
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 37.7 29.9 44.9

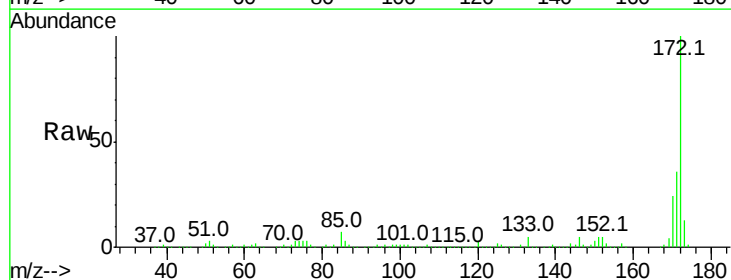


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

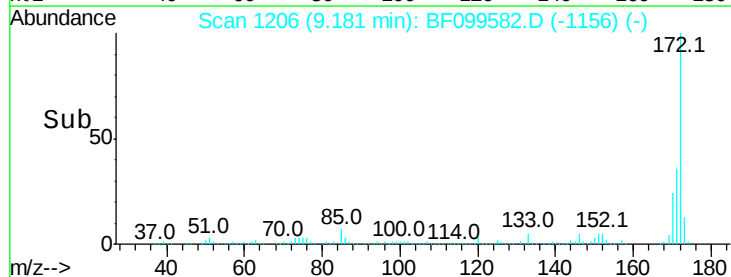
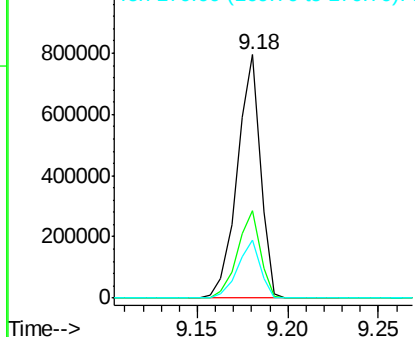


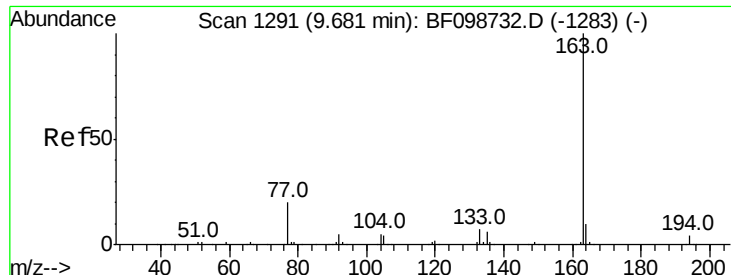
#44
 2-Fluorobiphenyl
 Concen: 69.921 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099582.D
 Acq: 17 Oct 2017 15:48

Tgt Ion:172 Resp: 705355
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.7 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

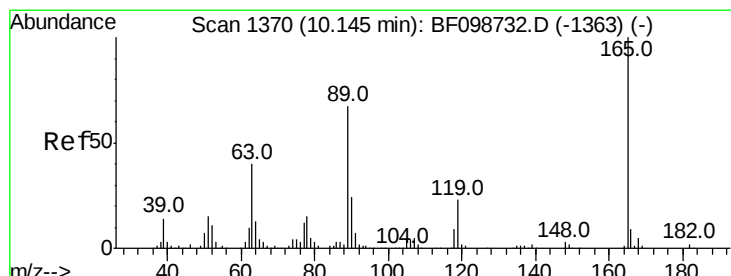
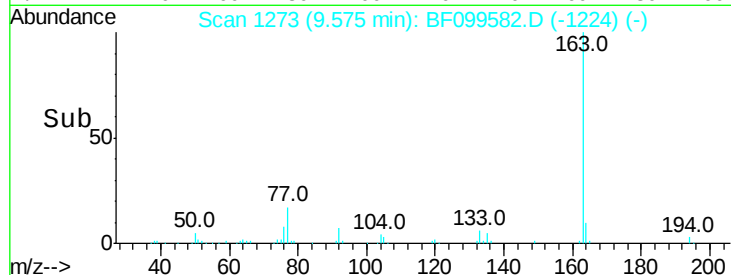
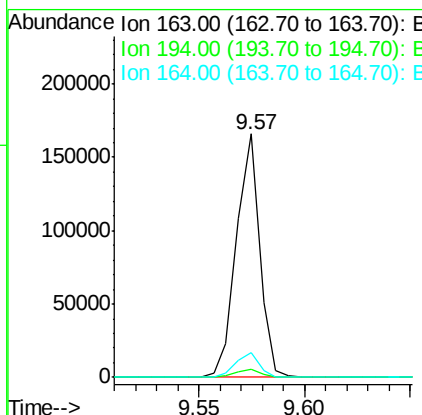
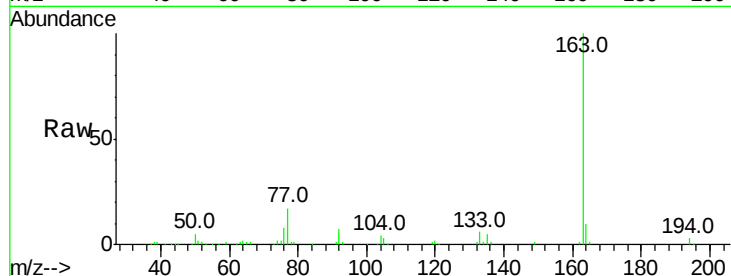




#49
Dimethylphthalate
Concen: 9.948 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF099582.D
Acq: 17 Oct 2017 15:48

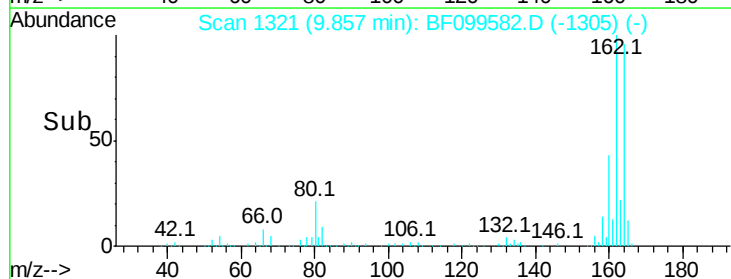
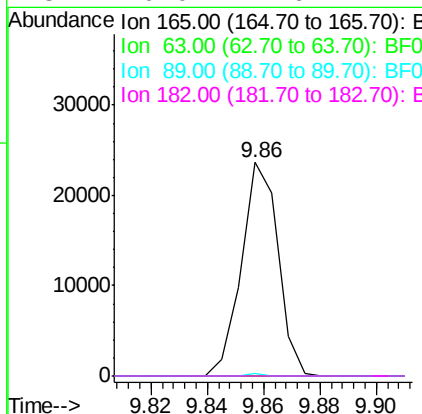
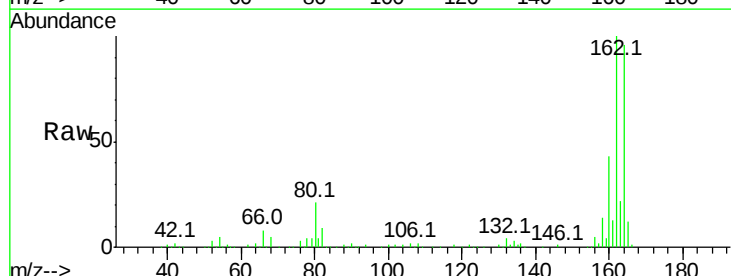
Instrument :
BNA_F
ClientSampleId :

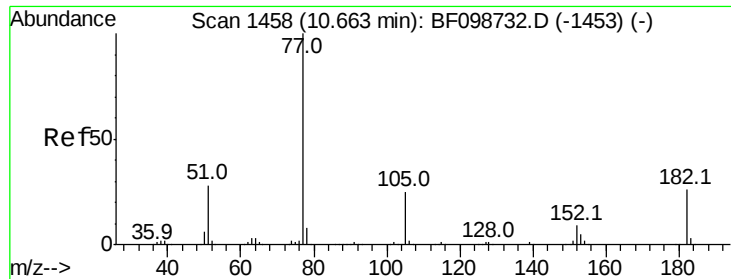
Tot Ion:163 Resp: 126440
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 9.9 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 5.930 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.21 min
Lab File: BF099582.D
Acq: 17 Oct 2017 15:48

Tgt Ion:165 Resp: 21296
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#





#62

Azobenzene

Concen: 6.833 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.01 min

Lab File: BF099582.D

Acq: 17 Oct 2017 15:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 78037

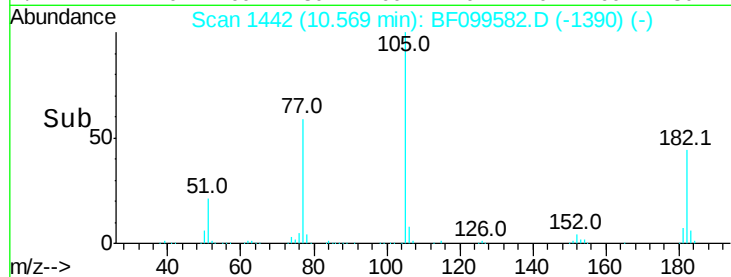
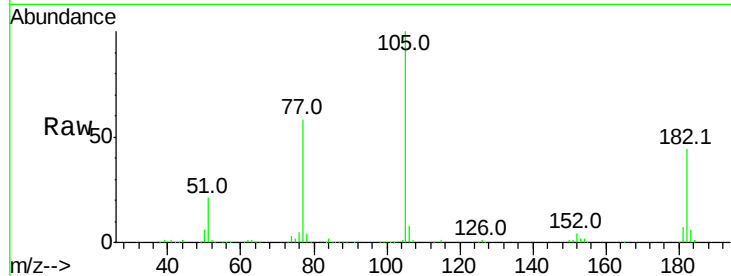
Ion Ratio Lower Upper

77 100

182 74.5 1.7 41.7#

105 171.1 3.0 43.0#

51 35.1 9.9 49.9

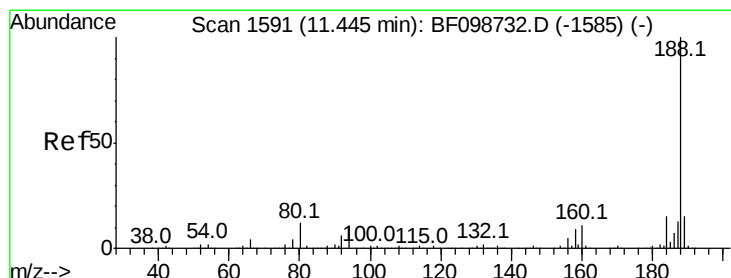
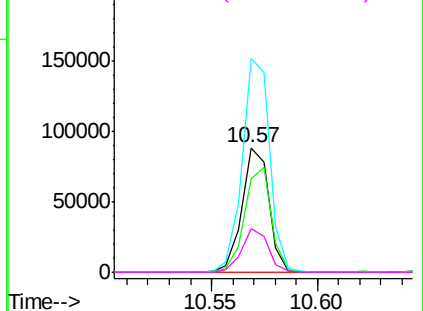


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 20.000 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF099582.D

Acq: 17 Oct 2017 15:48

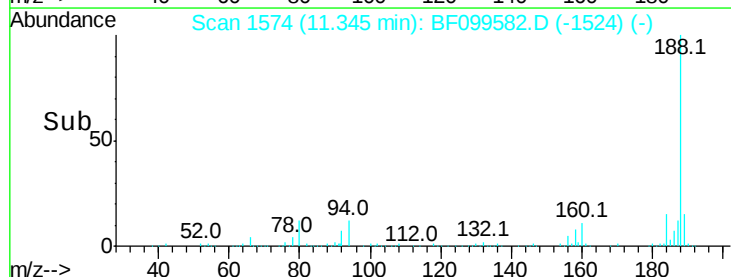
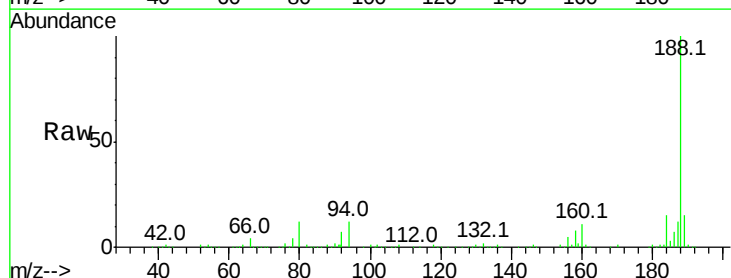
Tgt Ion: 188 Resp: 305952

Ion Ratio Lower Upper

188 100

94 12.0 8.5 12.7

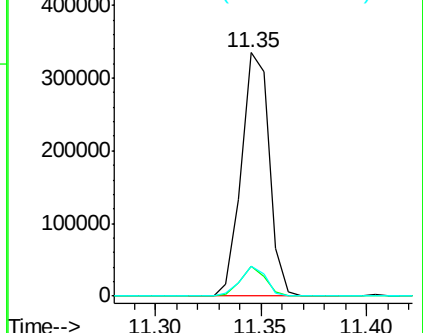
80 12.3 9.2 13.8

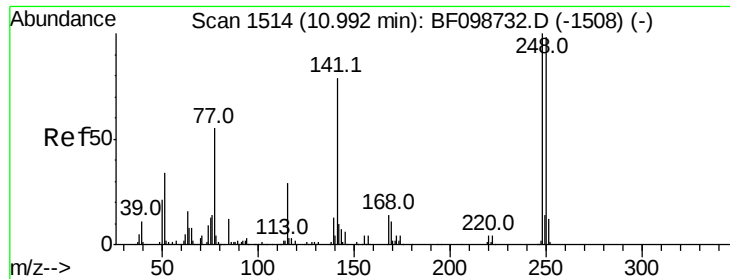


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

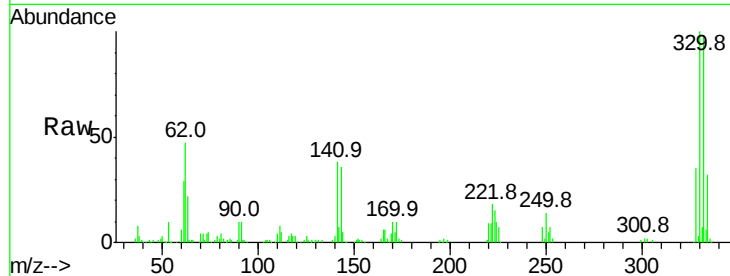




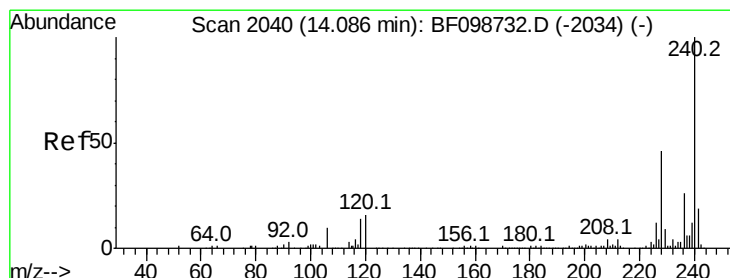
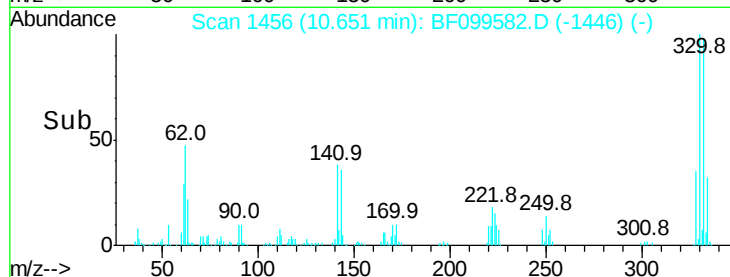
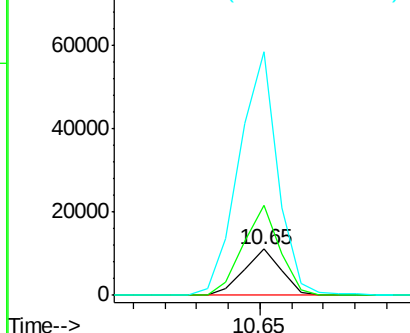
#66
 4-Bromophenyl-phenylether
 Concen: 3.050 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.24 min
 Lab File: BF099582.D
 Acq: 17 Oct 2017 15:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9133
 Ion Ratio Lower Upper
 248 100
 250 193.5 76.9 115.3#
 141 524.7 74.4 111.6#

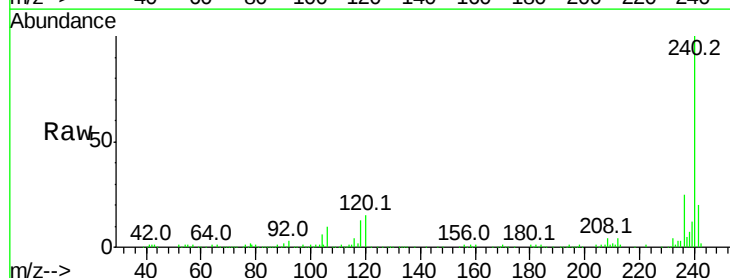


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

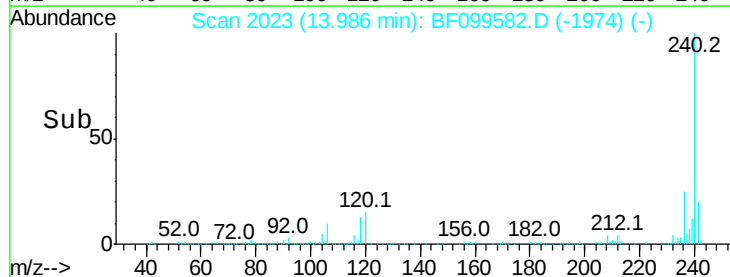
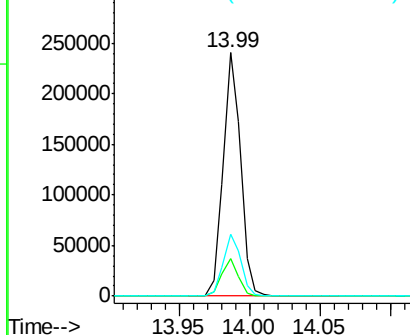


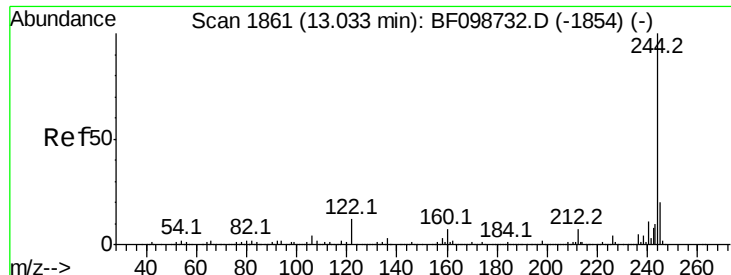
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF099582.D
 Acq: 17 Oct 2017 15:48

Tgt Ion:240 Resp: 207437
 Ion Ratio Lower Upper
 240 100
 120 15.2 9.5 14.3#
 236 25.2 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: 66.787 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF099582.D

Acq: 17 Oct 2017 15:48

Instrument :

BNA_F

ClientSampleId :

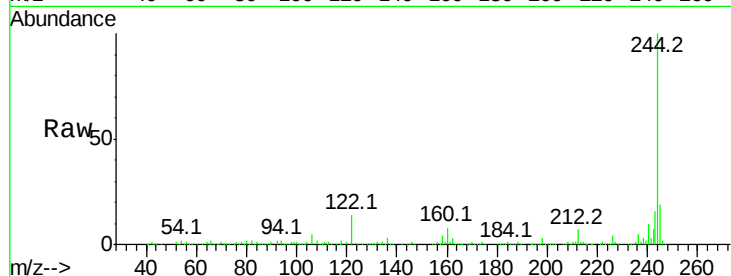
Tot Ion:244 Resp: 609181

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

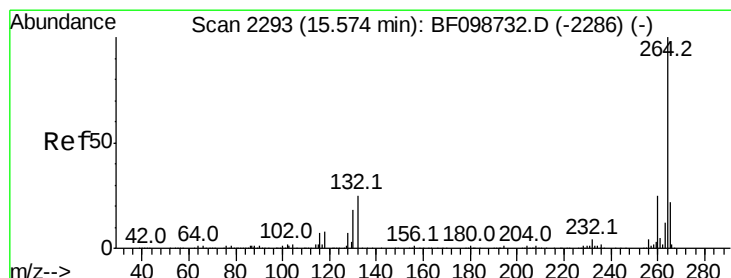
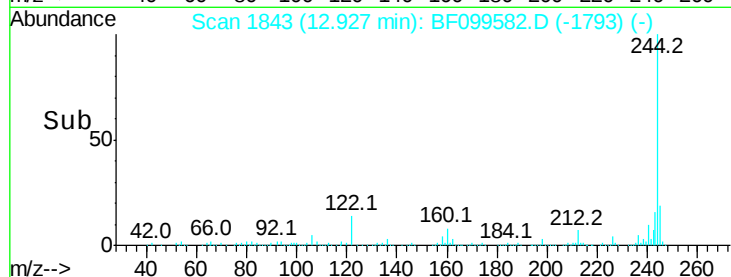
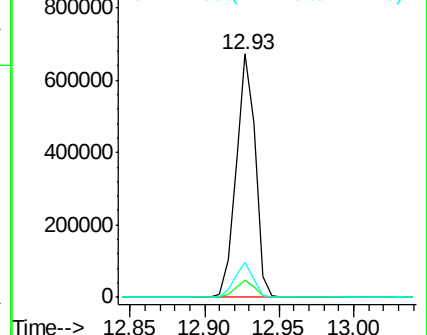
122 14.2 11.0 16.4



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: 15.45 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BF099582.D

Acq: 17 Oct 2017 15:48

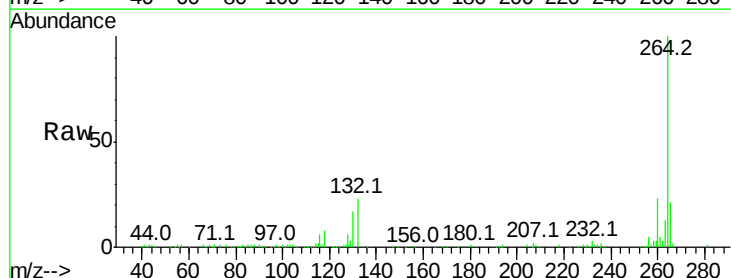
Tgt Ion:264 Resp: 150534

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.2 17.5 26.3



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

