

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097170.D
 Acq On : 28 Jul 2017 22:50
 Operator : SJ/JU
 Sample : I4456-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

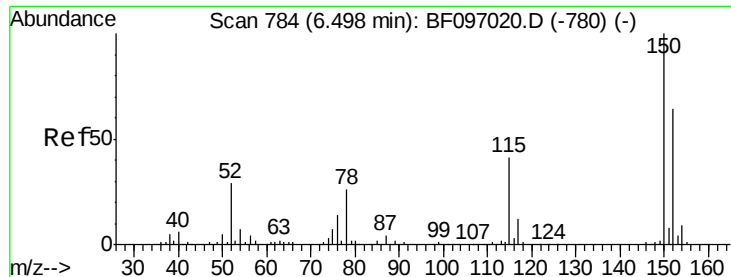
Instrument :
 BNA_F
 ClientSampleId :
 TP-8D24

Quant Time: Jul 29 00:44:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	120157	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	481386	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	178404	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	235725	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	200890	20.00	ng	-0.02
86) Perylene-d12	14.96	264	168116	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	705830	88.55	ng	-0.01
7) Phenol-d6	6.15	99	875801	96.25	ng	-0.02
23) Nitrobenzene-d5	7.06	82	581773	70.90	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	103473	73.41	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	701291	66.71	ng	-0.02
78) Terphenyl-d14	12.57	244	394048	39.99	ng	-0.02
Target Compounds						
10) Phenol	6.16	94	25067	2.32	ng	Qvalue 98
19) n-Nitroso-di-n-propylamine	7.06	70	79087	13.20	ng	# 88
25) Isophorone	7.06	82	576312	35.86	ng	# 67
49) Dimethylphthalate	9.25	163	176790	13.05	ng	100
56) 2,4-Dinitrotoluene	9.52	165	22120	6.70	ng	# 34
66) 4-Bromophenyl-phenylether	10.30	248	6734	2.86	ng	# 1
70) Phenanthrene	11.01	178	33258	2.63	ng	95
71) Anthracene	11.01	178	33258	2.57	ng	95
74) Fluoranthene	12.19	202	43690	3.53	ng	97
77) Pyrene	12.42	202	57126	3.47	ng	100
87) Benzo(b)fluoranthene	14.60	252	28827	2.85	ng	# 92
88) Benzo(k)fluoranthene	14.60	252	28827	2.99	ng	# 96

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

```
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Sample    : I4456-03  
Misc      :  
ALS Vial  : 14      Sample Multiplier: 1
```

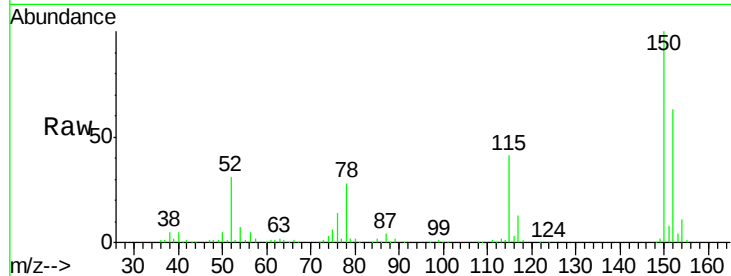


#1

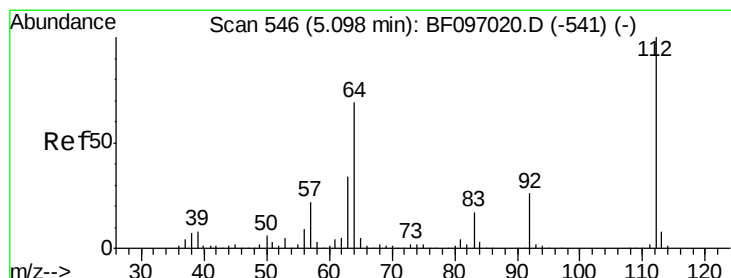
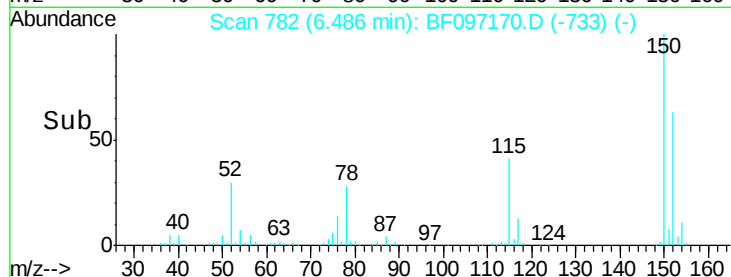
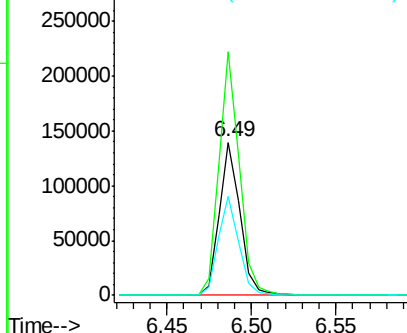
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097170.D
Acq: 28 Jul 2017 22:50

Instrument :
BNA_F
ClientSampleId :
TP-8D24

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.2	189.2
115	64.7	52.2	78.2



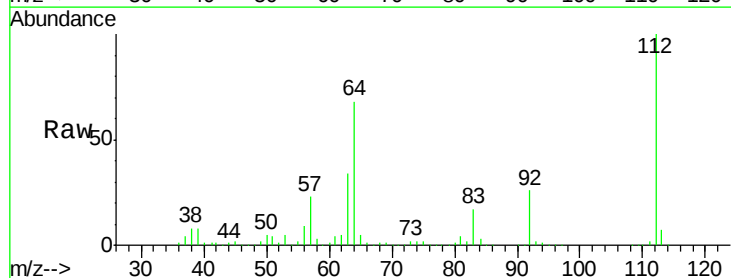
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



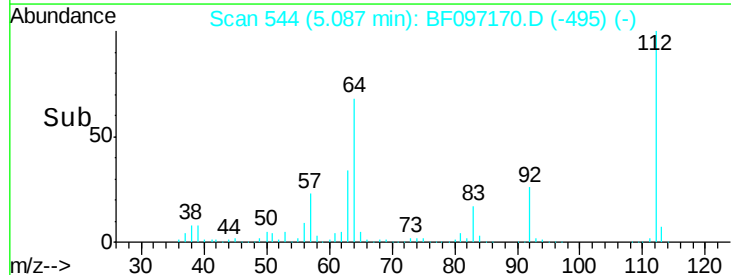
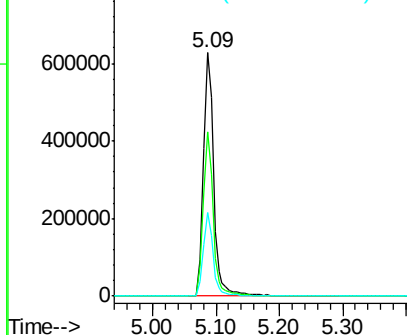
#5

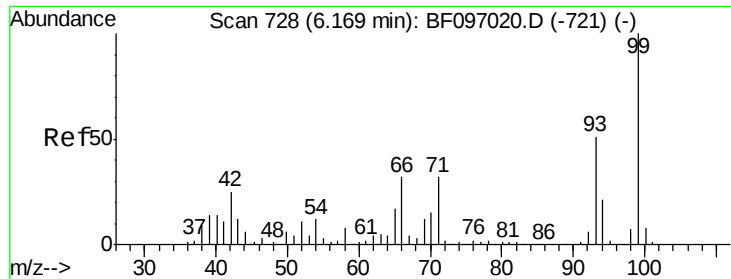
2-Fluorophenol
Concen: 88.55 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097170.D
Acq: 28 Jul 2017 22:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	46.0	69.0
63	34.3	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: 96.25 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097170.D

Acq: 28 Jul 2017 22:50

Instrument :

BNA_F

ClientSampleId :

TP-8D24

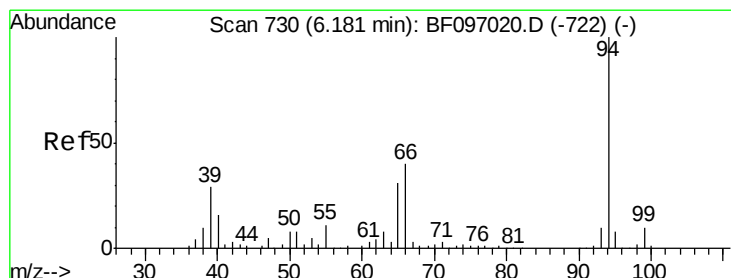
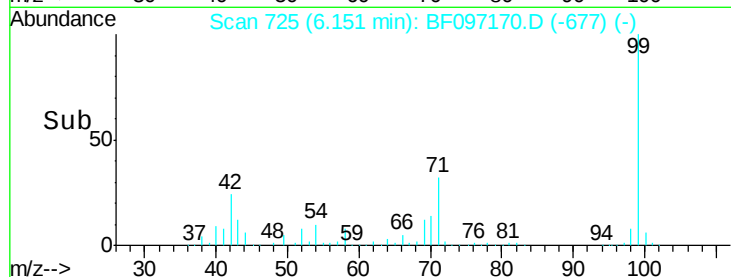
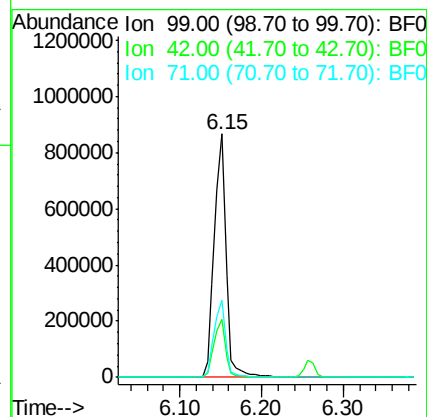
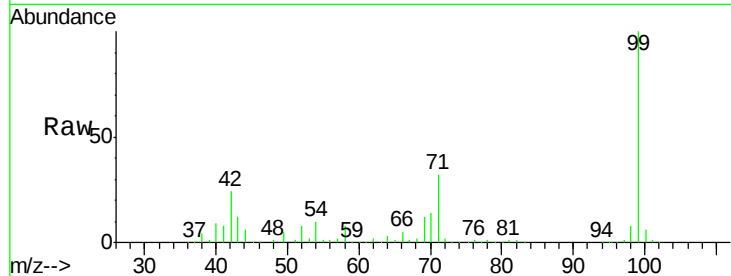
Tot Ion: 99 Resp: 875801

Ion Ratio Lower Upper

99 100

42 23.8 13.5 20.3#

71 31.6 24.5 36.7



#10

Phenol

Concen: 2.32 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF097170.D

Acq: 28 Jul 2017 22:50

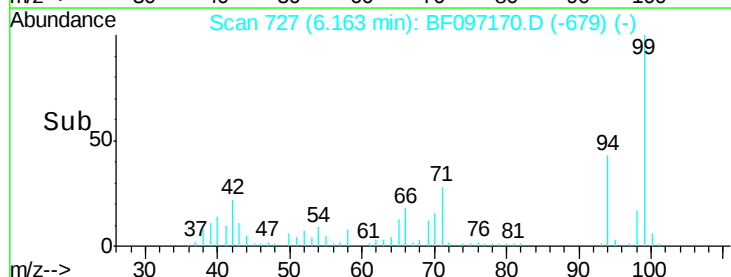
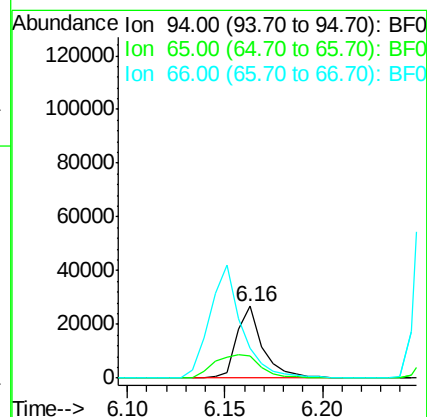
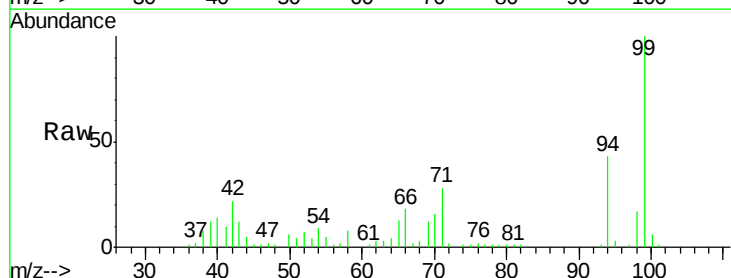
Tgt Ion: 94 Resp: 25067

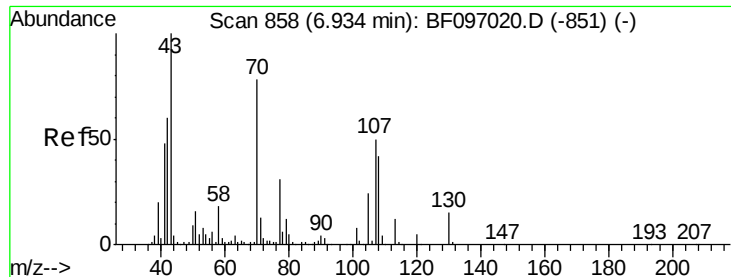
Ion Ratio Lower Upper

94 100

65 30.4 9.9 49.9

66 40.9 23.1 63.1

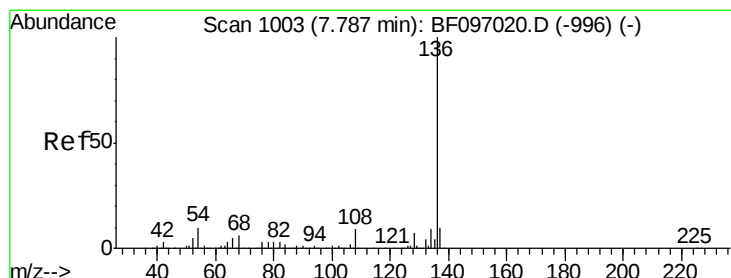
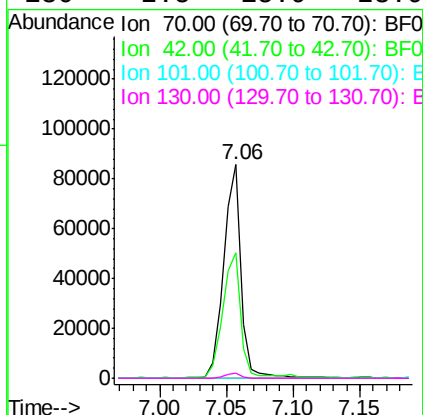
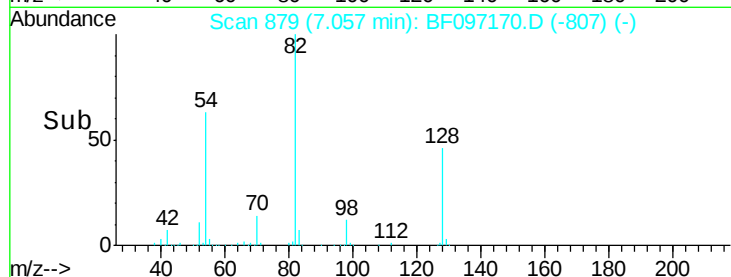
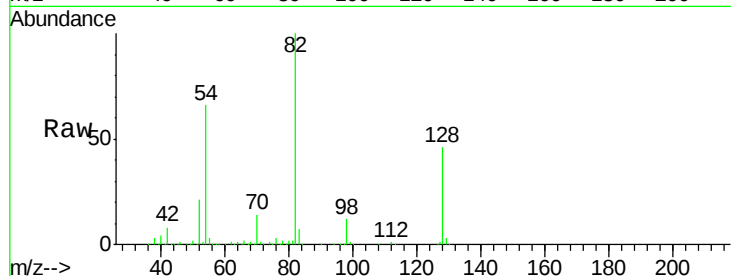




#19
n-Nitroso-di-n-propylamine
Concen: 13.20 ng
RT: 7.06 min Scan# 879
Delta R.T. 0.12 min
Lab File: BF097170.D
Acq: 28 Jul 2017 22:50

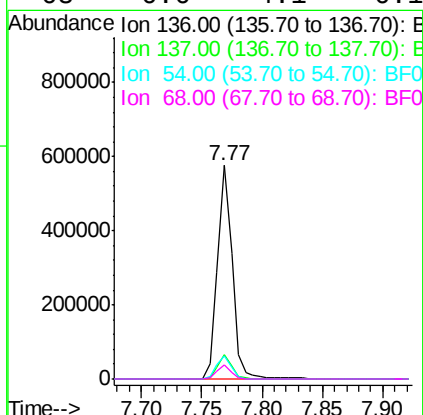
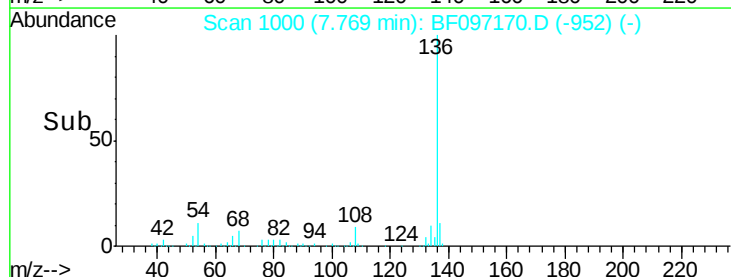
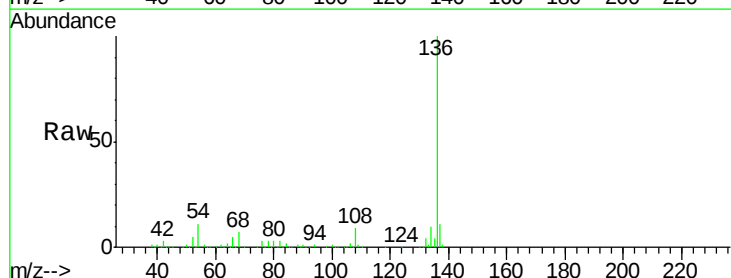
Instrument :
BNA_F
ClientSampleId :
TP-8D24

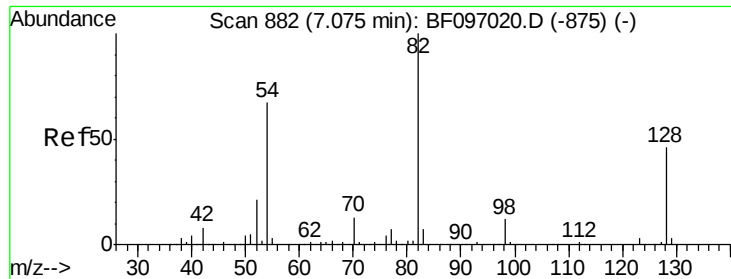
Tot Ion: 70 Resp: 79087
Ion Ratio Lower Upper
70 100
42 58.6 47.2 70.8
101 0.0 7.2 10.8#
130 2.5 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097170.D
Acq: 28 Jul 2017 22:50

Tgt Ion:136 Resp: 481386
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 10.6 4.9 7.3#
68 6.6 4.1 6.1#

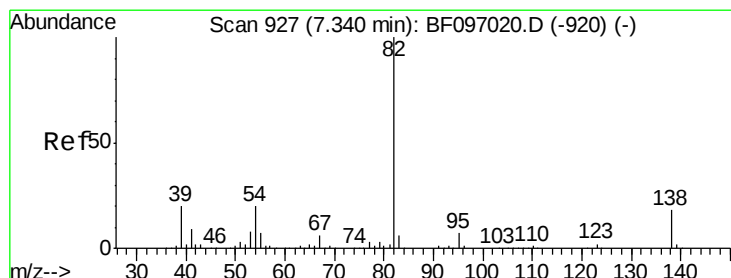
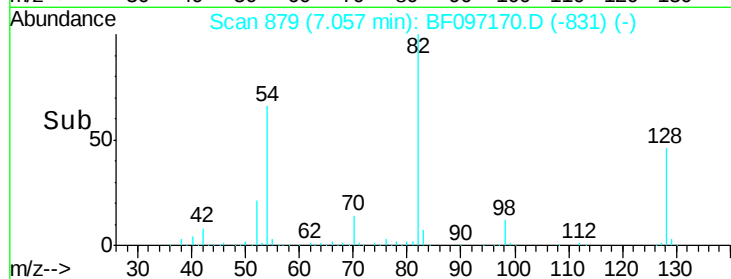
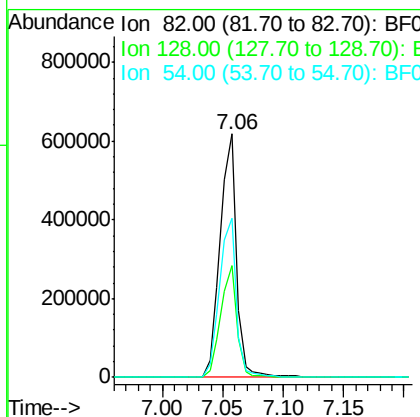
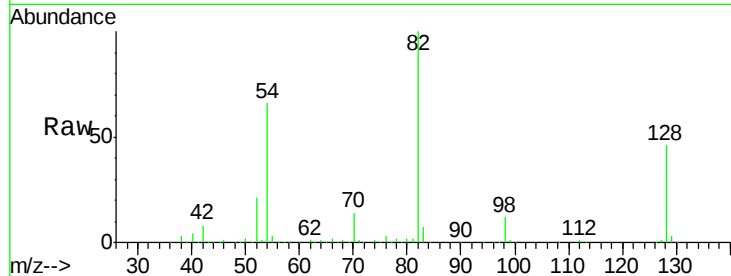




#23
 Nitrobenzene-d5
 Concen: 70.90 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF097170.D
 Acq: 28 Jul 2017 22:50

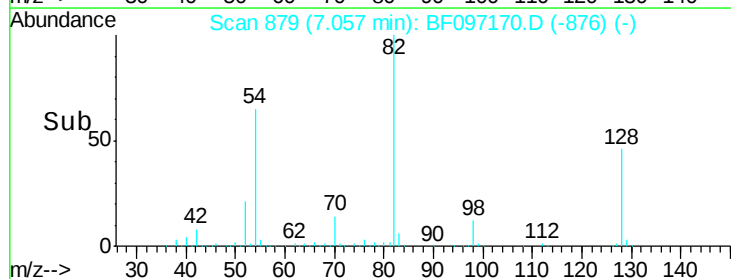
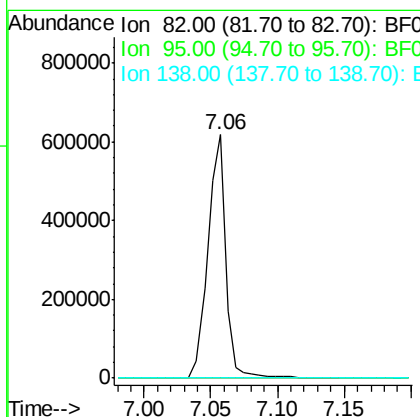
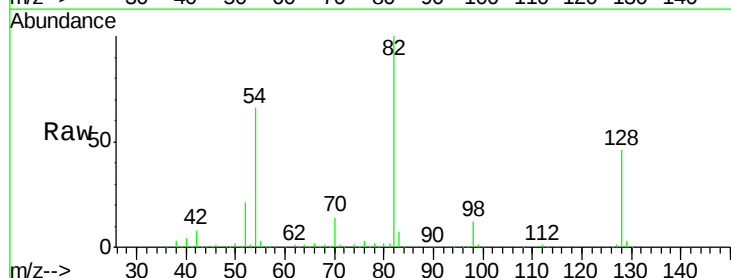
Instrument :
 BNA_F
 ClientSampleId :
 TP-8D24

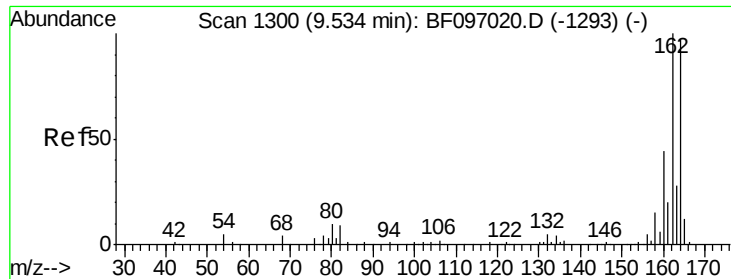
Tot Ion: 82 Resp: 581773
 Ion Ratio Lower Upper
 82 100
 128 45.7 34.0 51.0
 54 65.6 42.2 63.2#



#25
 Isophorone
 Concen: 35.86 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.28 min
 Lab File: BF097170.D
 Acq: 28 Jul 2017 22:50

Tgt Ion: 82 Resp: 576312
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF097170.D

Acq: 28 Jul 2017 22:50

Instrument :

BNA_F

ClientSampleId :

TP-8D24

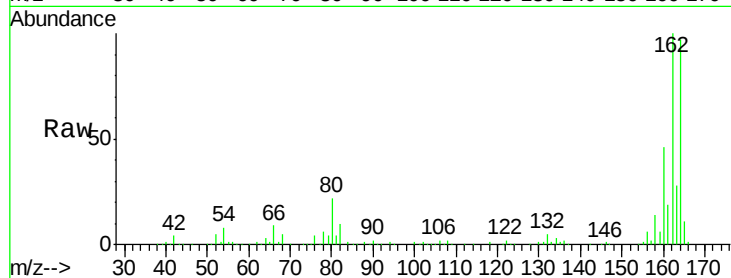
Tot Ion:164 Resp: 178404

Ion Ratio Lower Upper

164 100

162 102.7 82.6 123.8

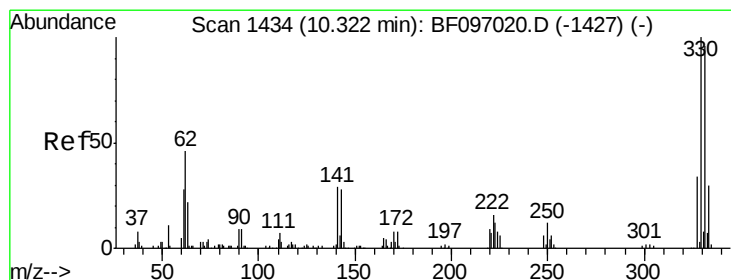
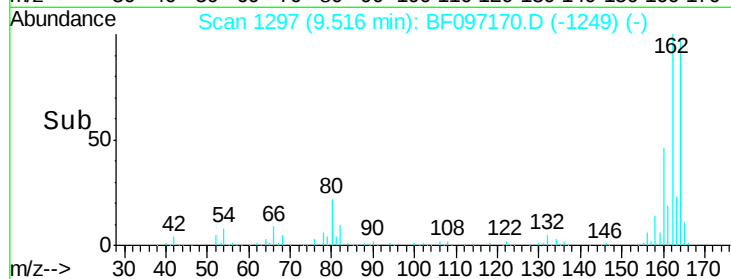
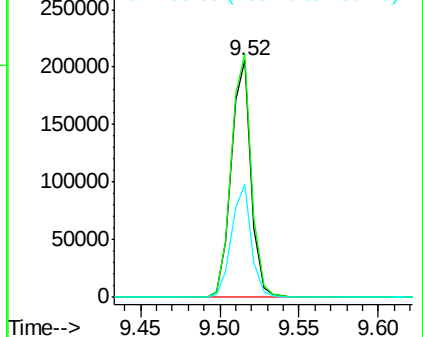
160 47.6 36.2 54.2



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: 73.41 ng

RT: 10.30 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF097170.D

Acq: 28 Jul 2017 22:50

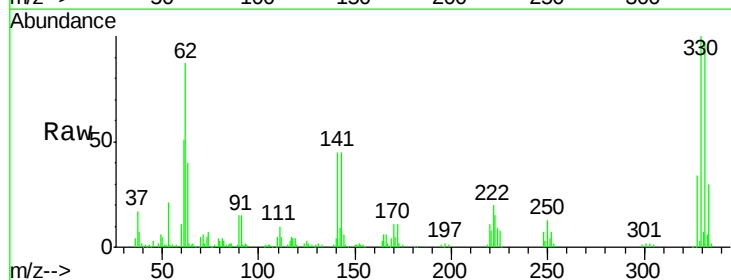
Tgt Ion:330 Resp: 103473

Ion Ratio Lower Upper

330 100

332 96.7 76.6 115.0

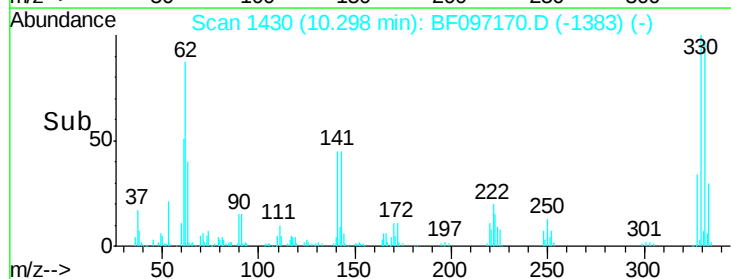
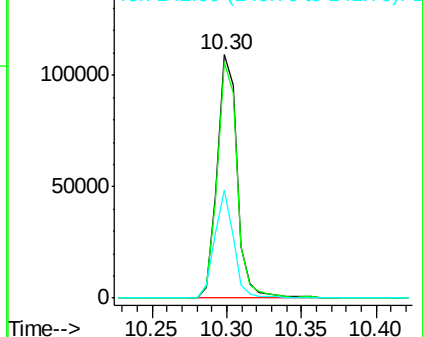
141 41.6 31.4 47.2

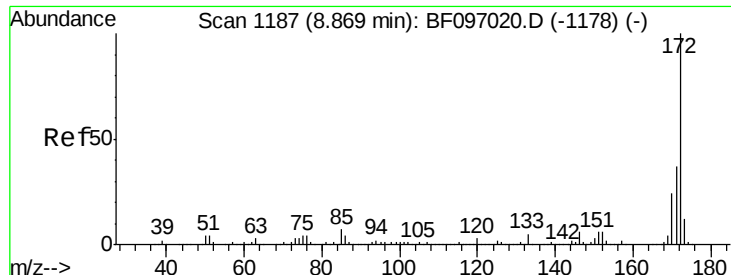


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

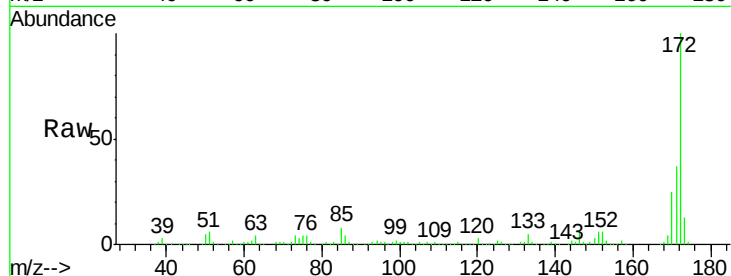




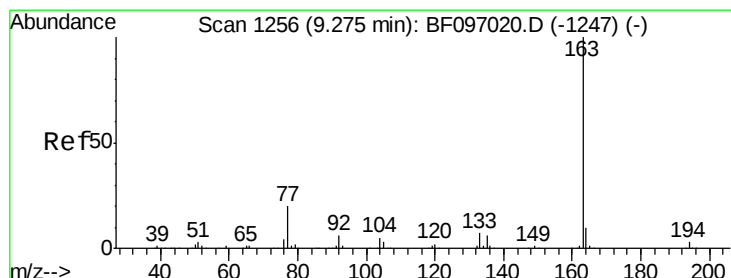
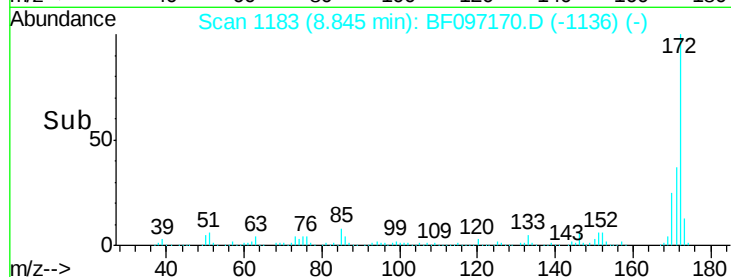
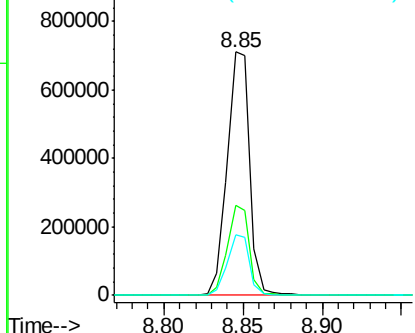
#44
2-Fluorobiphenyl
Concen: 66.71 ng
RT: 8.85 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF097170.D
Acq: 28 Jul 2017 22:50

Instrument :
BNA_F
ClientSampleId :
TP-8D24

Tot Ion:172 Resp: 701291
Ion Ratio Lower Upper
172 100
171 36.8 29.6 44.4
170 24.8 19.8 29.8

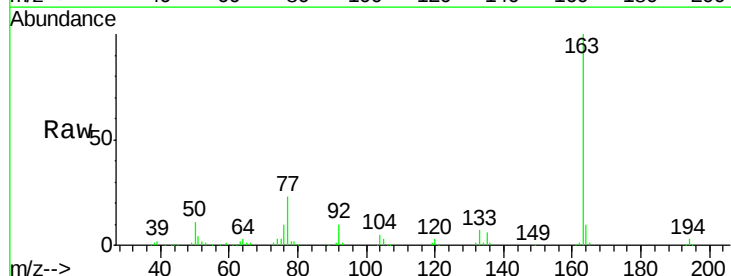


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

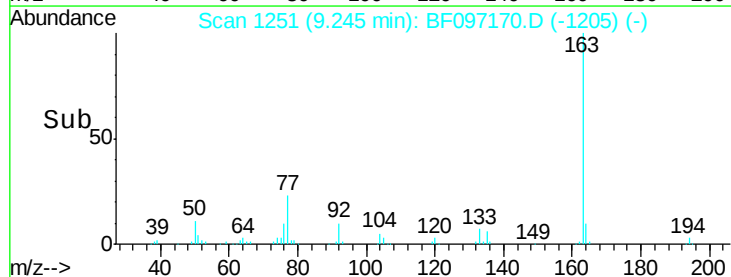
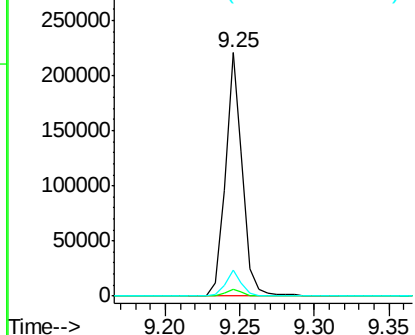


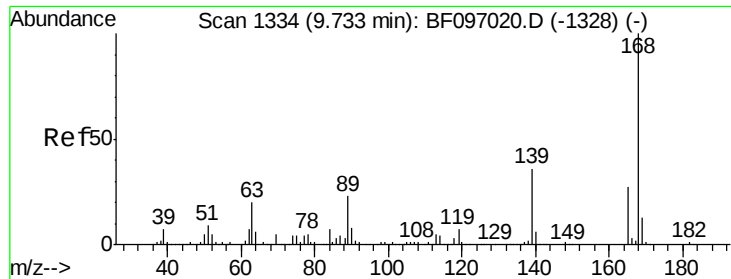
#49
Dimethylphthalate
Concen: 13.05 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097170.D
Acq: 28 Jul 2017 22:50

Tgt Ion:163 Resp: 176790
Ion Ratio Lower Upper
163 100
194 2.8 2.6 4.0
164 10.5 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

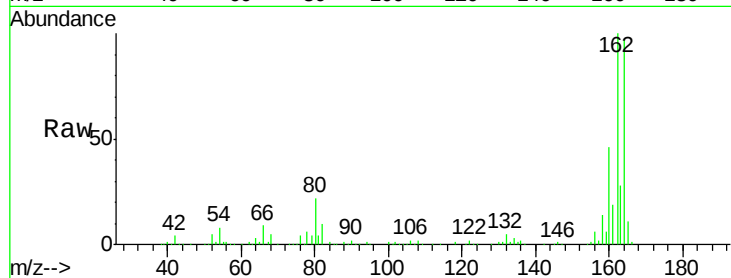




#56
 2,4-Dinitrotoluene
 Concen: 6.70 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.22 min
 Lab File: BF097170.D
 Acq: 28 Jul 2017 22:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-8D24

Tot Ion:165	Resp:	22120
Ion Ratio	Lower	Upper
165	100	
63	2.9	25.4 38.0#
89	1.9	46.4 69.6#
182	0.0	1.8 2.6#

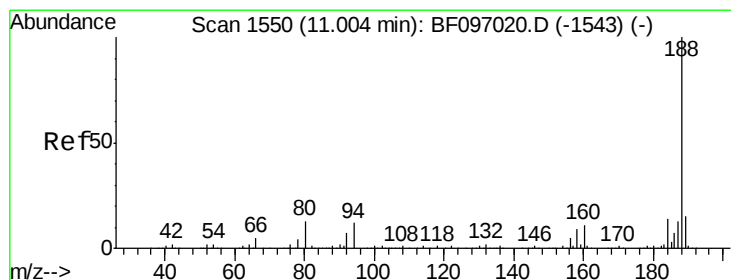
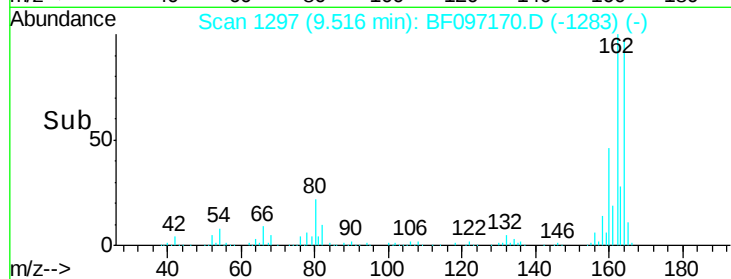
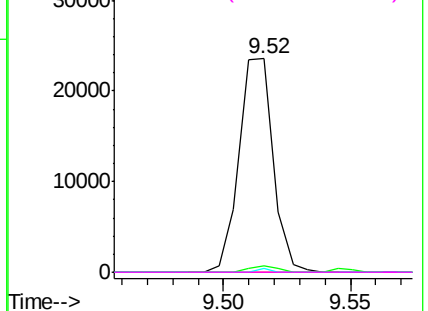


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

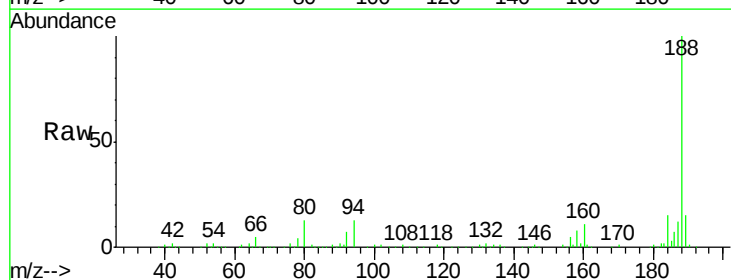
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF097170.D
 Acq: 28 Jul 2017 22:50

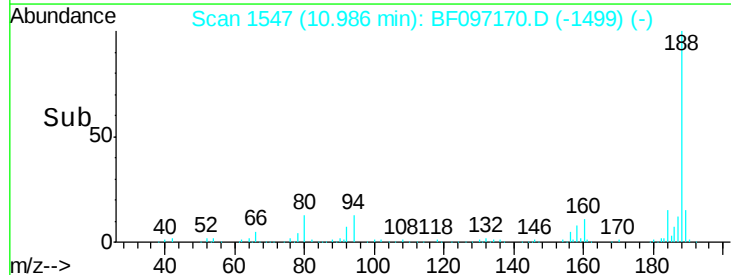
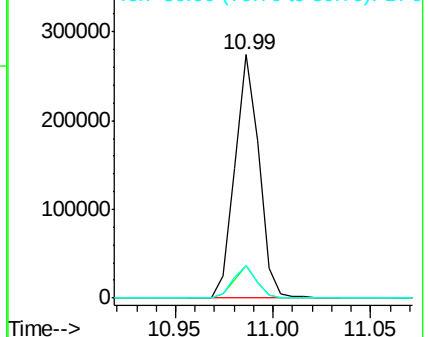
Tgt Ion:188	Resp:	235725
Ion Ratio	Lower	Upper
188	100	
94	13.4	9.4 14.2
80	13.3	10.2 15.2

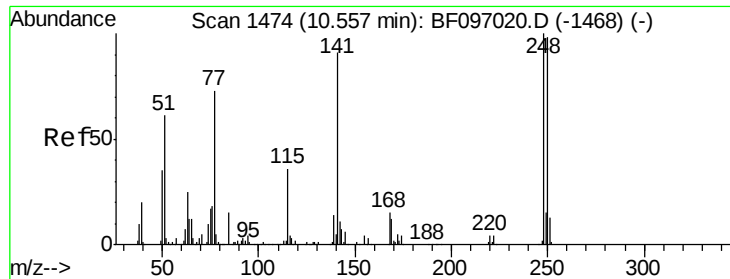


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

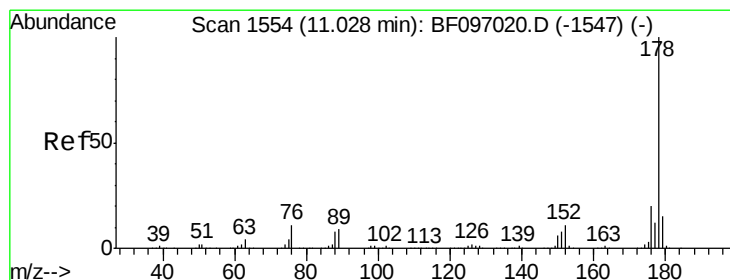
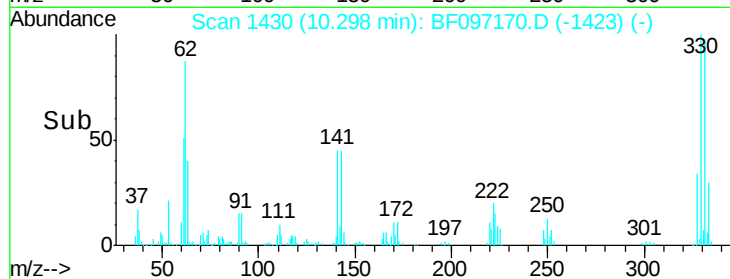
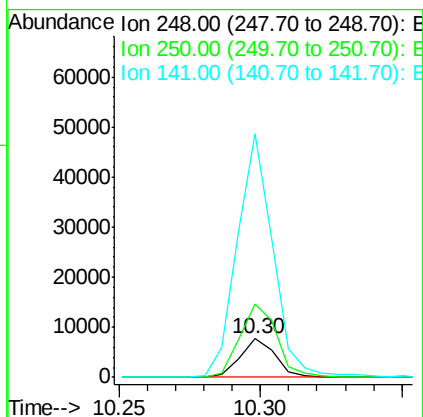
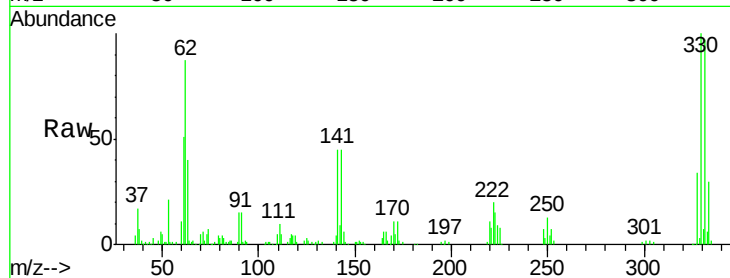




#66
4-Bromophenyl-phenylether
Concen: 2.86 ng
RT: 10.30 min Scan# 1430
Delta R.T. -0.26 min
Lab File: BF097170.D
Acq: 28 Jul 2017 22:50

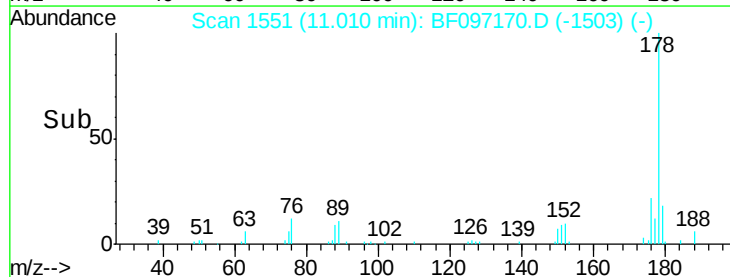
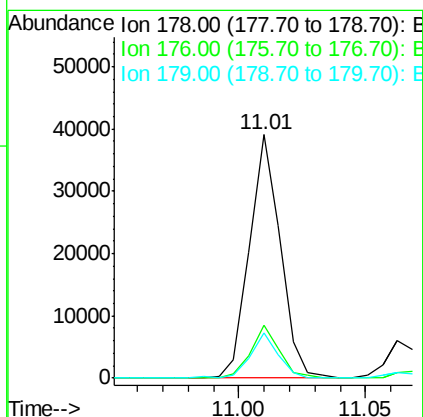
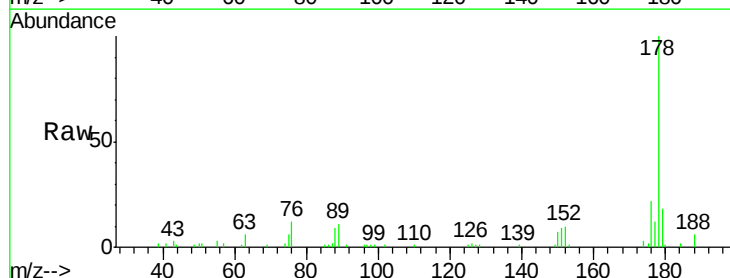
Instrument :
BNA_F
ClientSampleId :
TP-8D24

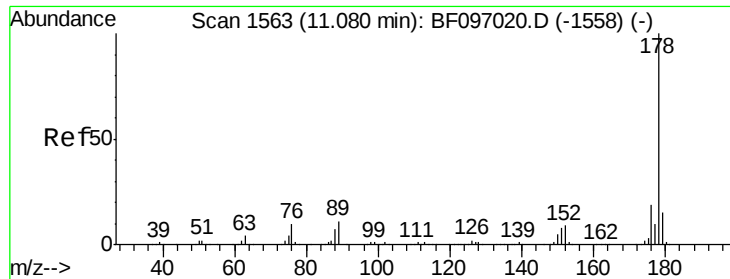
Tot Ion:248 Resp: 6734
Ion Ratio Lower Upper
248 100
250 190.0 76.8 115.2#
141 630.6 68.6 103.0#



#70
Phenanthrene
Concen: 2.63 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097170.D
Acq: 28 Jul 2017 22:50

Tgt Ion:178 Resp: 33258
Ion Ratio Lower Upper
178 100
176 21.9 16.2 24.4
179 18.4 12.6 19.0

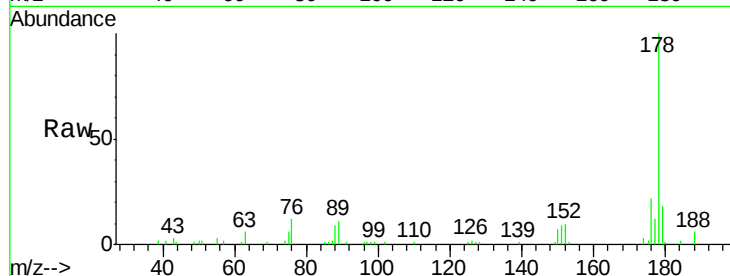




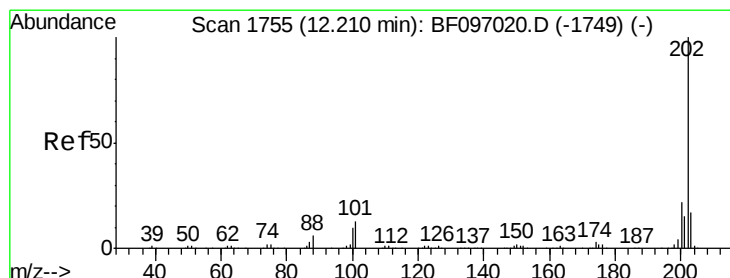
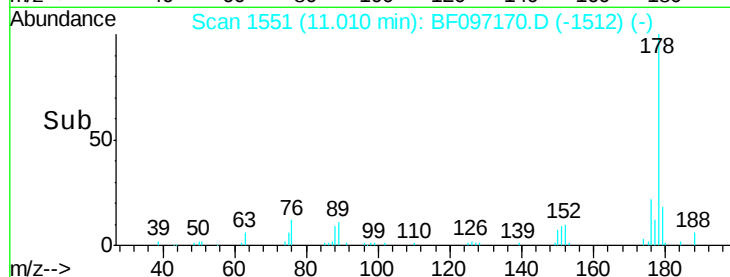
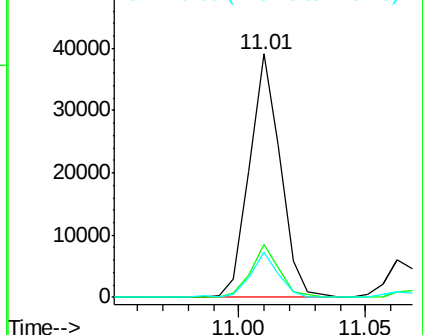
#71
 Anthracene
 Concen: 2.57 ng
 RT: 11.01 min Scan# 1551
 Delta R.T. -0.07 min
 Lab File: BF097170.D
 Acq: 28 Jul 2017 22:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-8D24

Tot Ion:178 Resp: 33258
 Ion Ratio Lower Upper
 178 100
 176 21.9 15.8 23.8
 179 18.4 12.7 19.1

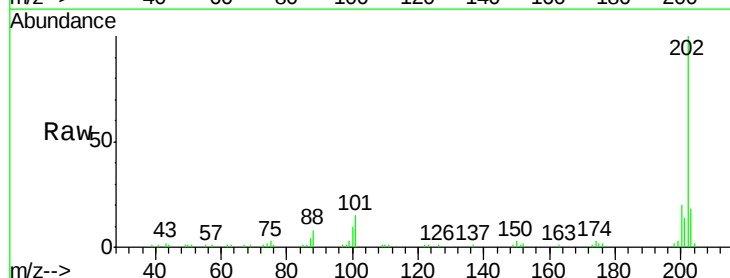


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

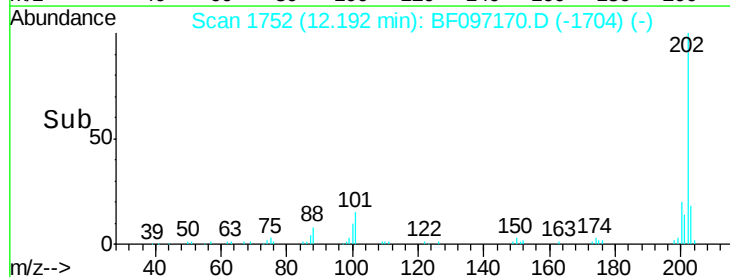
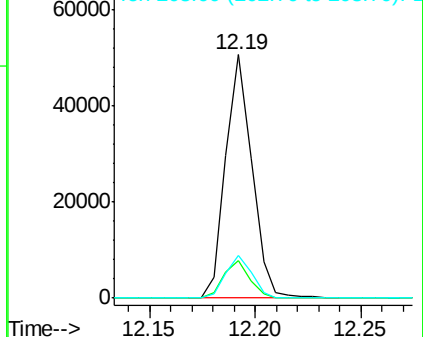


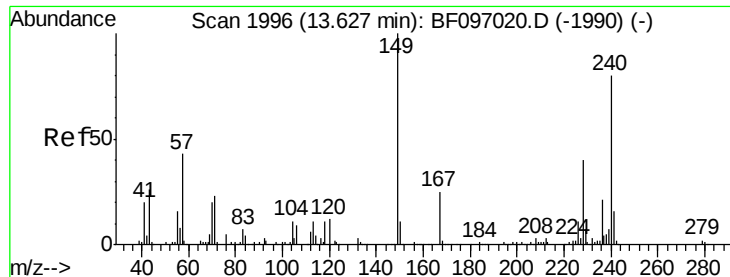
#74
 Fluoranthene
 Concen: 3.53 ng
 RT: 12.19 min Scan# 1752
 Delta R.T. -0.02 min
 Lab File: BF097170.D
 Acq: 28 Jul 2017 22:50

Tgt Ion:202 Resp: 43690
 Ion Ratio Lower Upper
 202 100
 101 15.4 0.0 33.2
 203 17.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097170.D

Acq: 28 Jul 2017 22:50

Instrument :

BNA_F

ClientSampleId :

TP-8D24

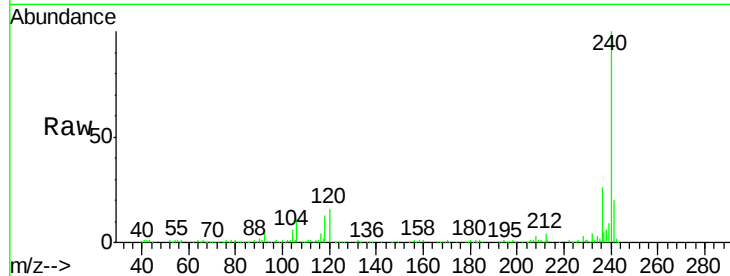
Tot Ion:240 Resp: 200890

Ion Ratio Lower Upper

240 100

120 16.4 5.8 8.8#

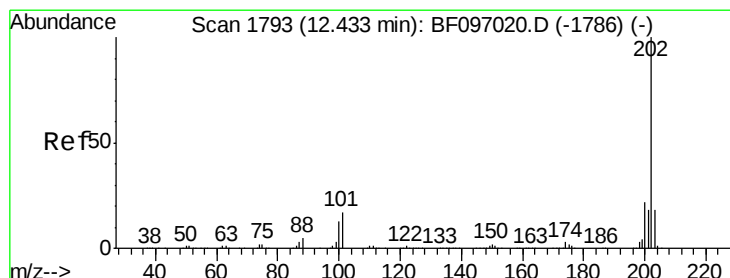
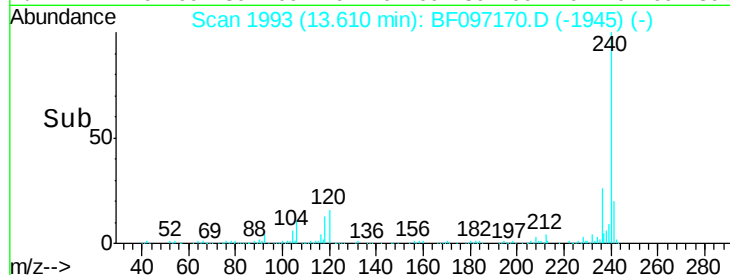
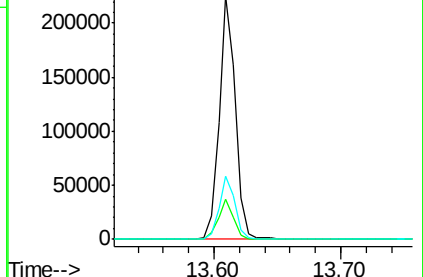
236 26.1 20.5 30.7



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



#77

Pyrene

Concen: 3.47 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097170.D

Acq: 28 Jul 2017 22:50

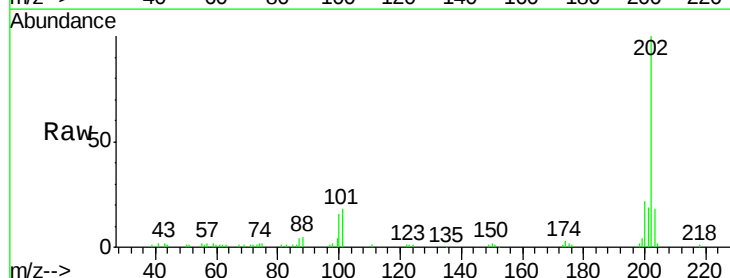
Tgt Ion:202 Resp: 57126

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

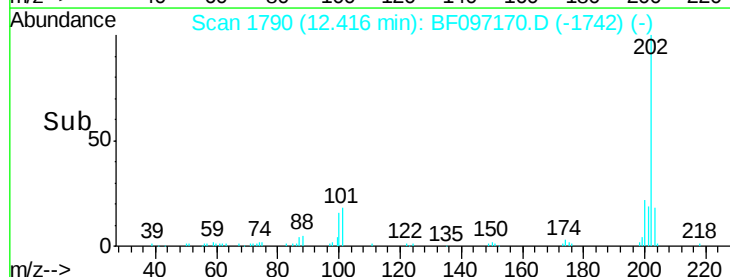
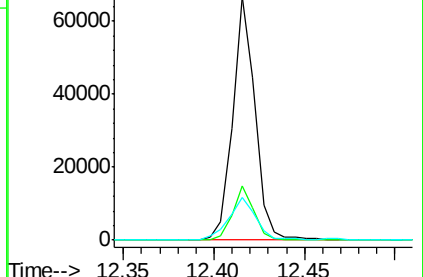
203 17.6 14.4 21.6

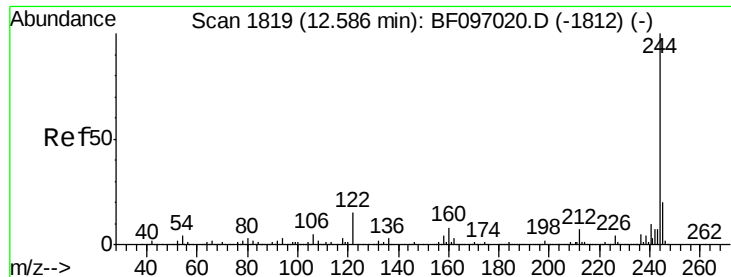


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 39.99 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097170.D

Acq: 28 Jul 2017 22:50

Instrument :

BNA_F

ClientSampleId :

TP-8D24

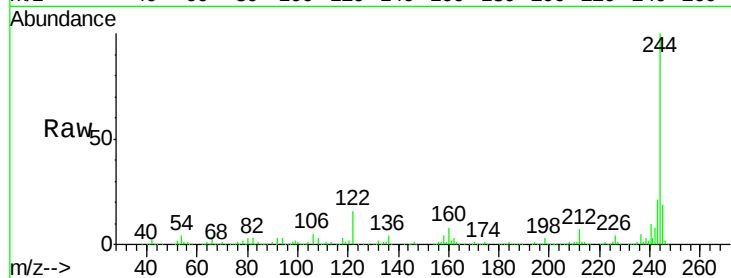
Tot Ion:244 Resp: 394048

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

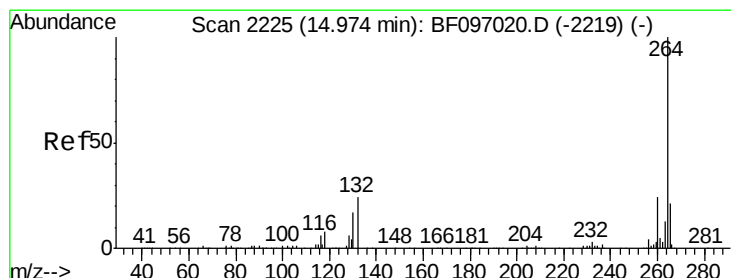
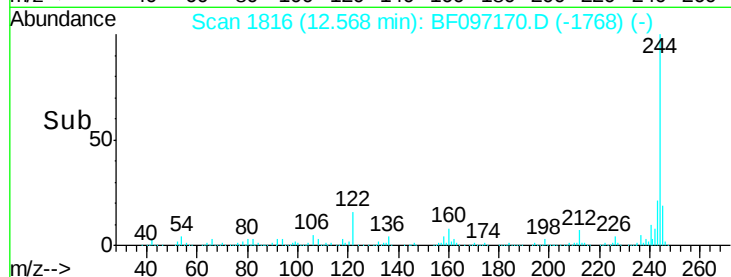
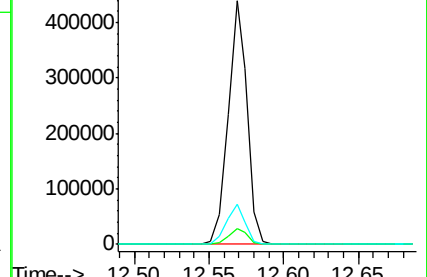
122 16.4 10.3 15.5#



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: 20.00 ng

RT: 14.96 min Scan# 2222

Delta R.T. -0.02 min

Lab File: BF097170.D

Acq: 28 Jul 2017 22:50

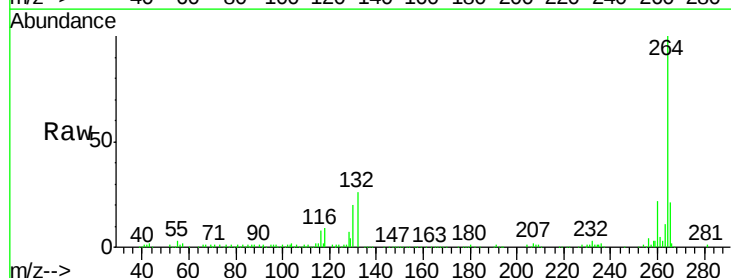
Tgt Ion:264 Resp: 168116

Ion Ratio Lower Upper

264 100

260 22.2 19.5 29.3

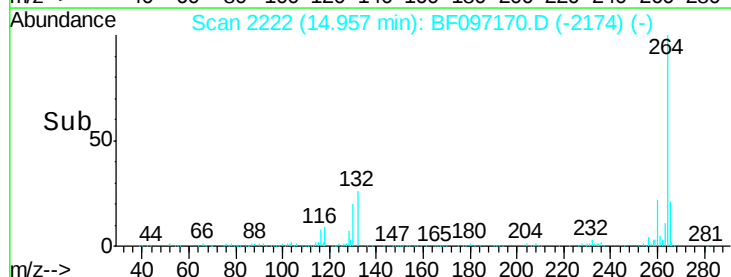
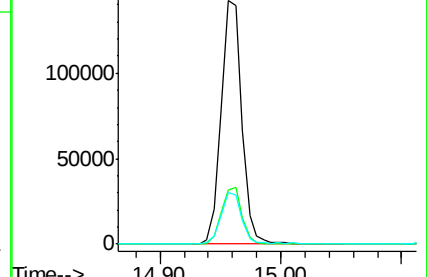
265 21.3 17.2 25.8

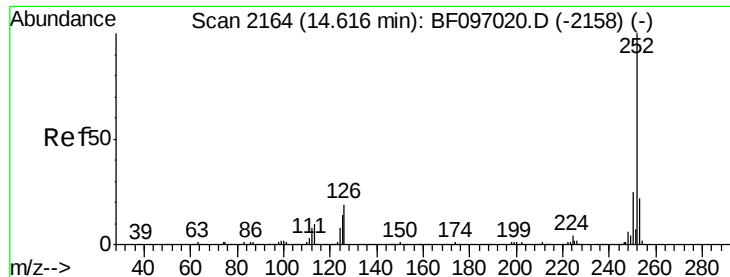


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

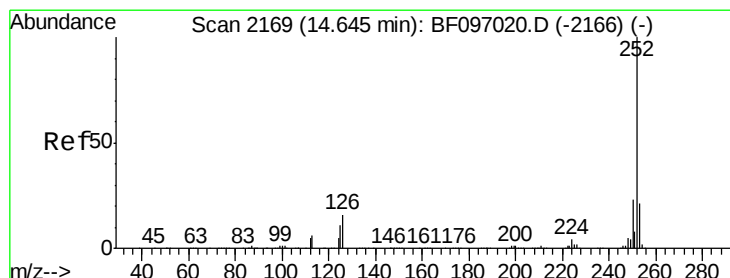
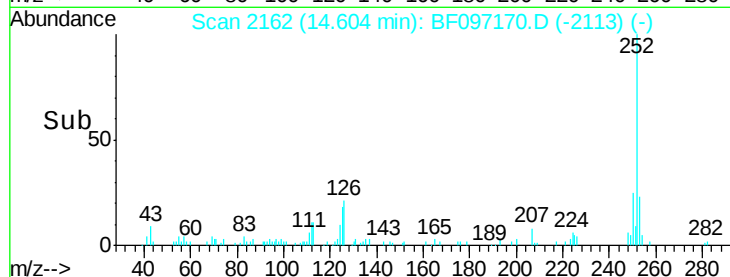
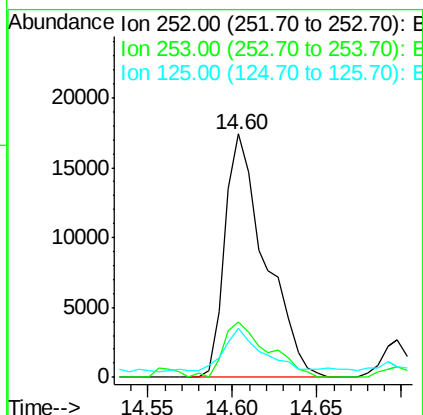
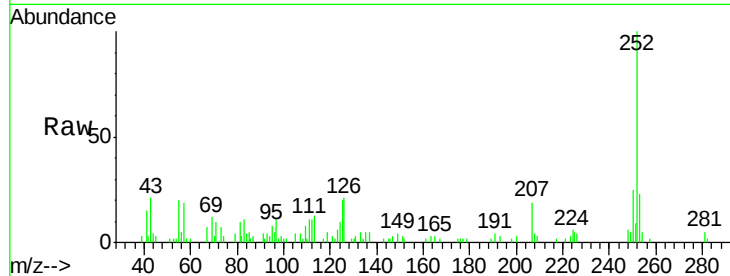




#87
Benzo(b)fluoranthene
Concen: 2.85 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF097170.D
Acq: 28 Jul 2017 22:50

Instrument :
BNA_F
ClientSampleId :
TP-8D24

Tot Ion:252 Resp: 28827
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 20.1 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 2.99 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.04 min
Lab File: BF097170.D
Acq: 28 Jul 2017 22:50

Tgt Ion:252 Resp: 28827
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 20.1 13.1 19.7#

