

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097621.D
 Acq On : 12 Aug 2017 5:31
 Operator : SJ/JU
 Sample : I4646-04DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-L8-BASE

Quant Time: Aug 12 07:01:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

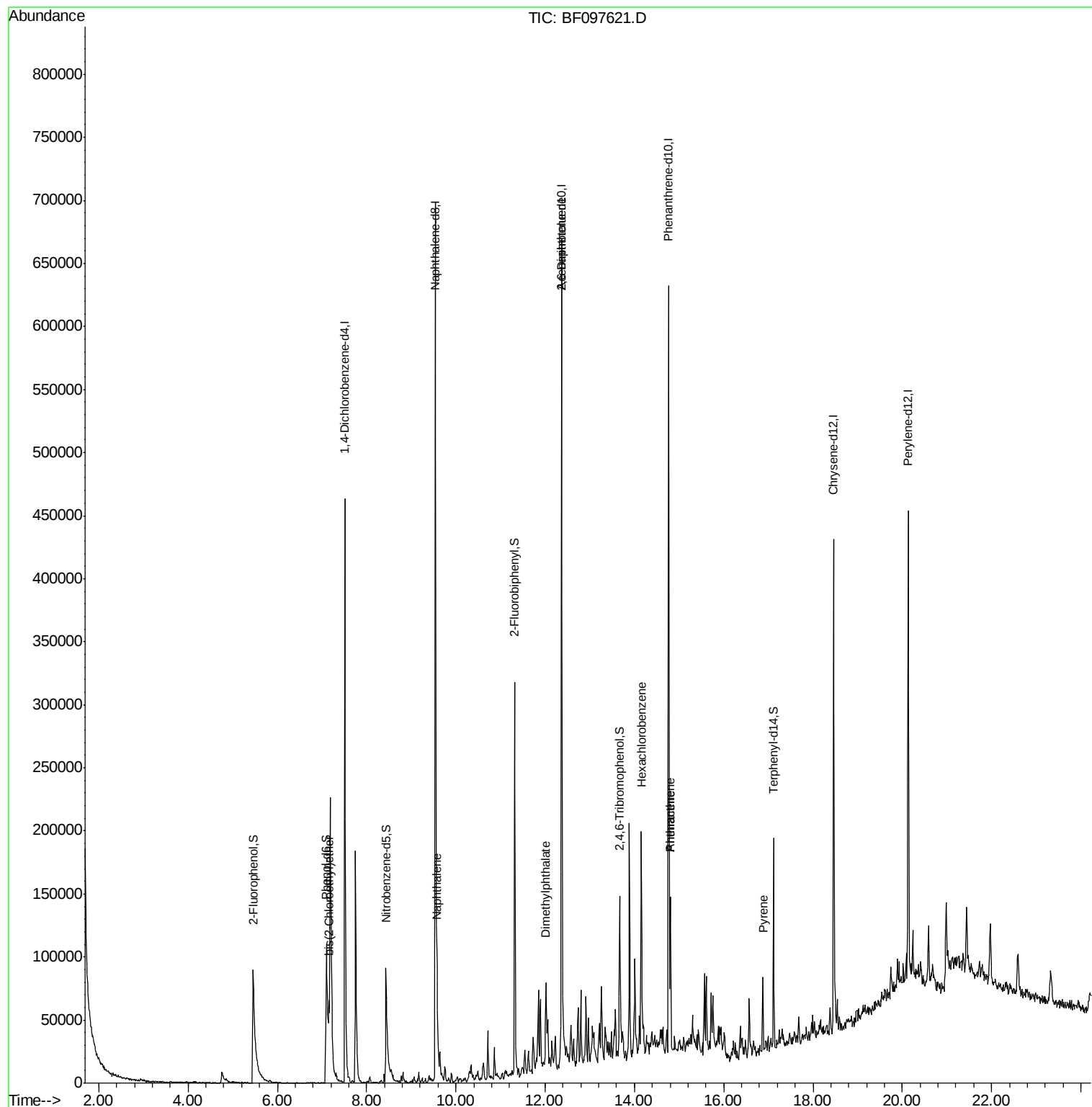
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	108236	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	441649	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	186818	20.00	ng	0.00
63) Phenanthrene-d10	14.76	188	277670	20.00	ng	0.00
75) Chrysene-d12	18.46	240	158503	20.00	ng	0.00
86) Perylene-d12	20.13	264	154882	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	89772	13.18	ng	0.05
7) Phenol-d6	7.10	99	132586	15.70	ng	0.04
23) Nitrobenzene-d5	8.43	82	81595	11.58	ng	0.01
41) 2,4,6-Tribromophenol	13.67	330	19000	13.38	ng	0.00
44) 2-Fluorobiphenyl	11.32	172	128388	10.37	ng	0.00
78) Terphenyl-d14	17.12	244	57565	7.52	ng	0.00
Target Compounds						Qvalue
11) bis(2-Chloroethyl)ether	7.16	93	22836	3.08	ng	92
31) Naphthalene	9.57	128	57291	2.59	ng	99
49) Dimethylphthalate	12.02	163	33962	2.36	ng	99
50) 2,6-Dinitrotoluene	12.36	165	22901	7.70	ng	# 33
67) Hexachlorobenzene	14.15	284	30316	9.66	ng	# 84
70) Phenanthrene	14.80	178	69117	4.32	ng	98
71) Anthracene	14.80	178	69117	4.22	ng	98
77) Pyrene	16.87	202	28217	2.15	ng	97

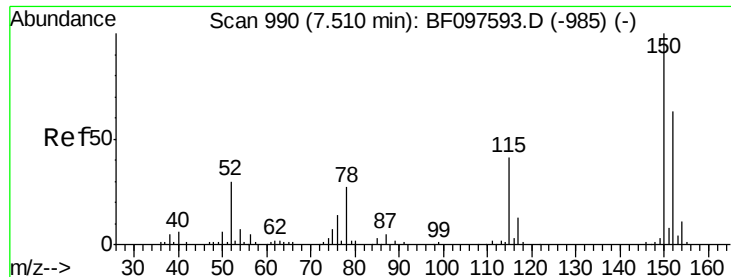
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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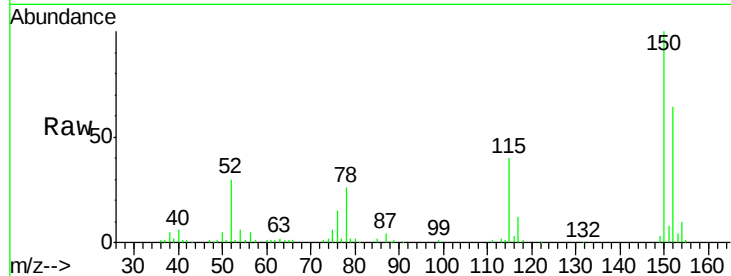


#1

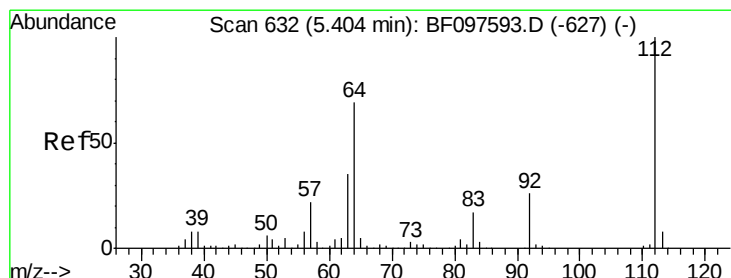
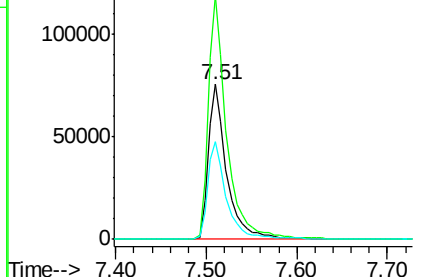
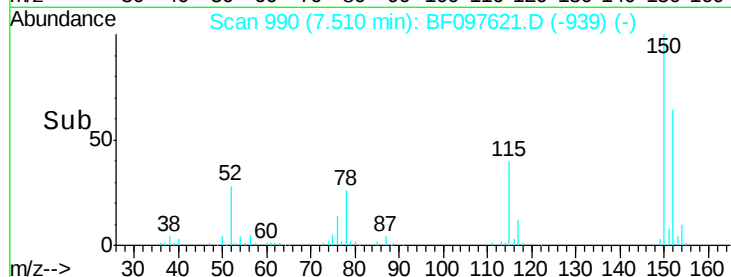
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.51 min Scan# 990
Delta R.T. 0.00 min
Lab File: BF097621.D
Acq: 12 Aug 2017 5:31

Instrument :
BNA_F
ClientSampleId :
E2-L8-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	63.1	52.2	78.2



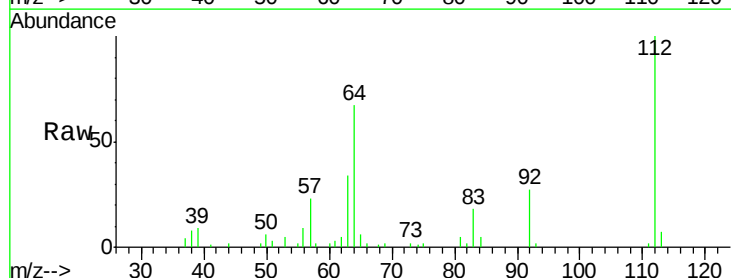
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



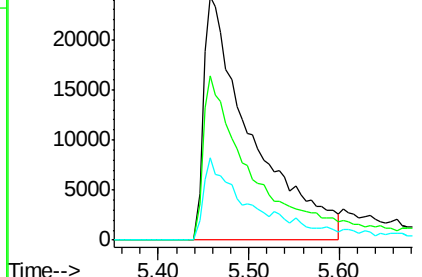
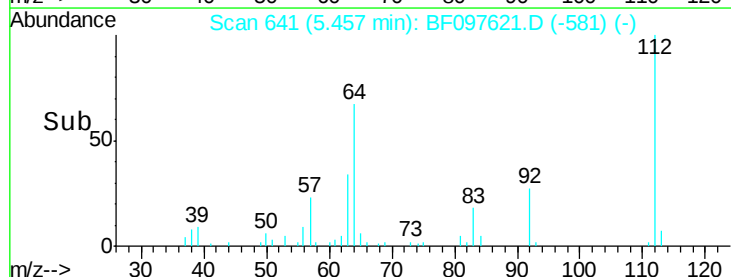
#5

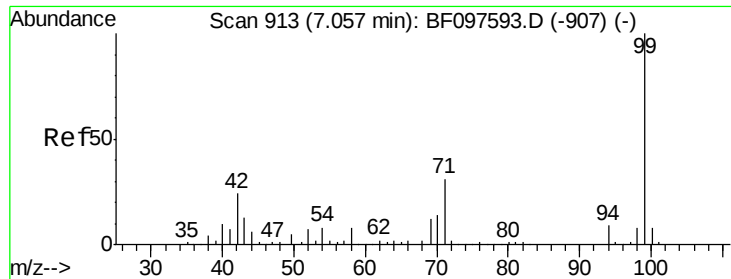
2-Fluorophenol
Concen: 13.18 ng
RT: 5.46 min Scan# 641
Delta R.T. 0.05 min
Lab File: BF097621.D
Acq: 12 Aug 2017 5:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	46.0	69.0
63	33.7	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: 15.70 ng

RT: 7.10 min Scan# 920

Delta R.T. 0.04 min

Lab File: BF097621.D

Acq: 12 Aug 2017 5:31

Instrument :

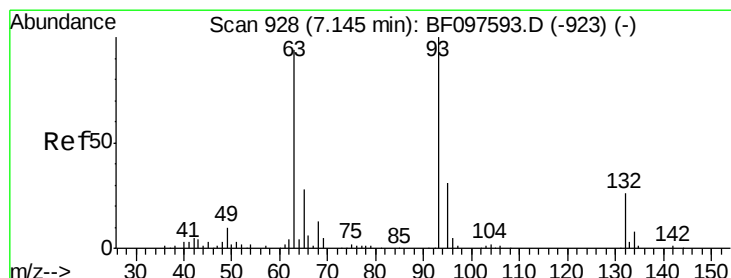
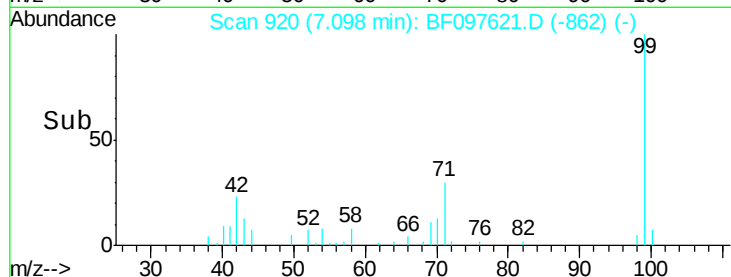
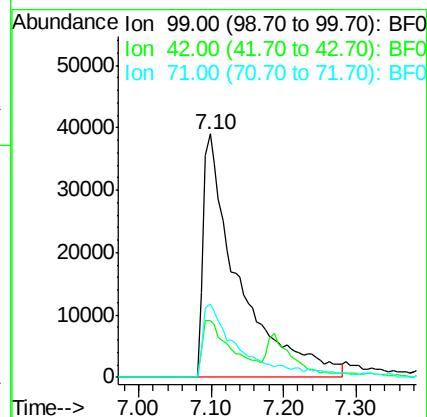
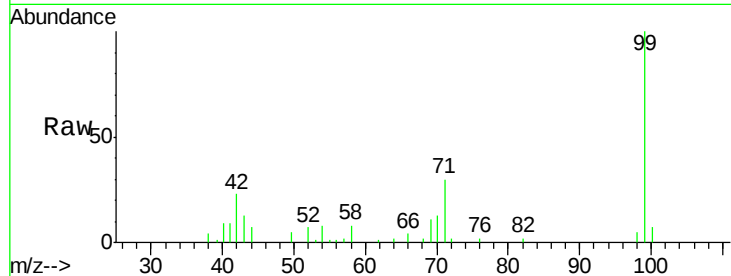
BNA_F

ClientSampleId :

E2-L8-BASE

Tot Ion: 99 Resp: 132586

Ion	Ratio	Lower	Upper
99	100		
42	23.4	13.5	20.3#
71	30.4	24.5	36.7



#11

bis(2-Chloroethyl)ether

Concen: 3.08 ng

RT: 7.16 min Scan# 930

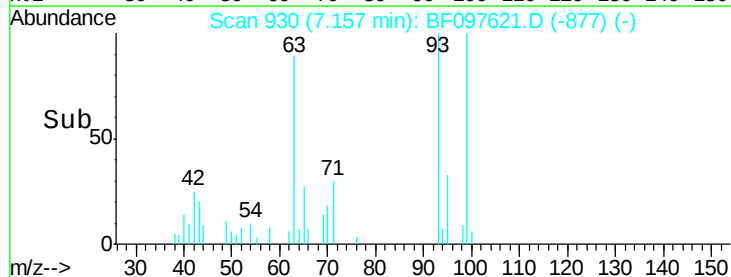
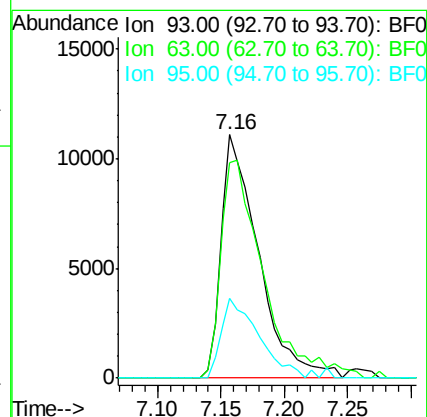
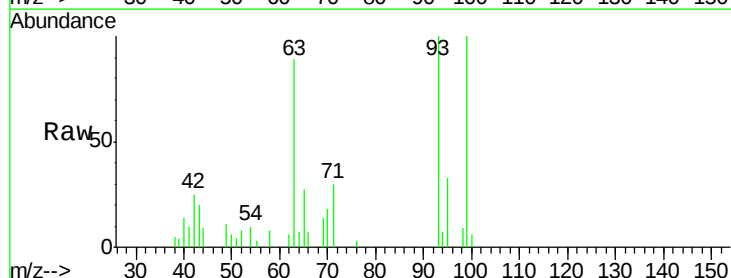
Delta R.T. 0.01 min

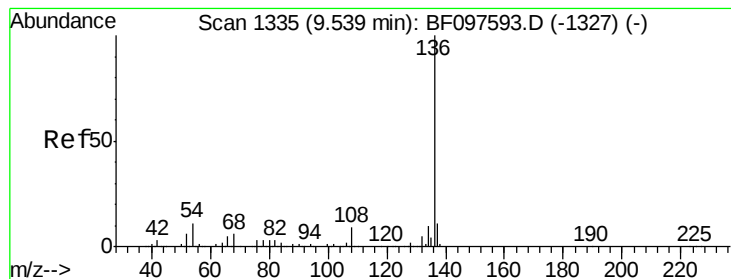
Lab File: BF097621.D

Acq: 12 Aug 2017 5:31

Tgt Ion: 93 Resp: 22836

Ion	Ratio	Lower	Upper
93	100		
63	88.7	59.2	99.2
95	32.7	12.8	52.8





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.54 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BF097621.D

Acq: 12 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

E2-L8-BASE

Tot Ion:136 Resp: 441649

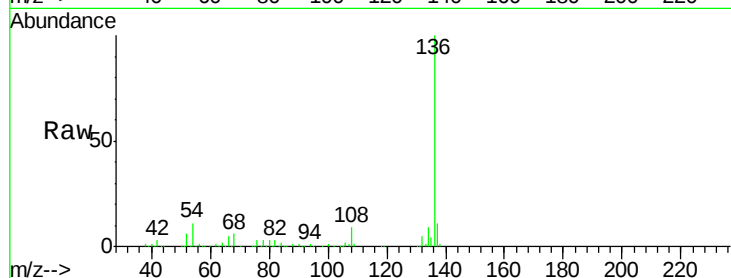
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.6 4.9 7.3#

68 5.7 4.1 6.1

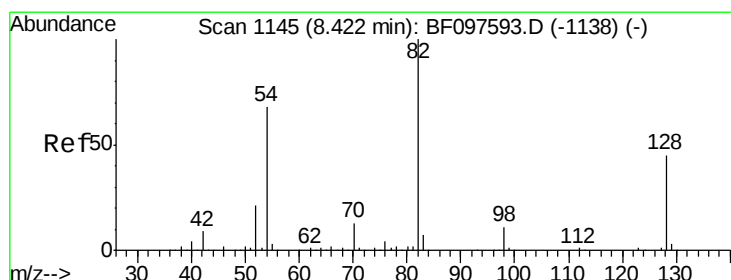
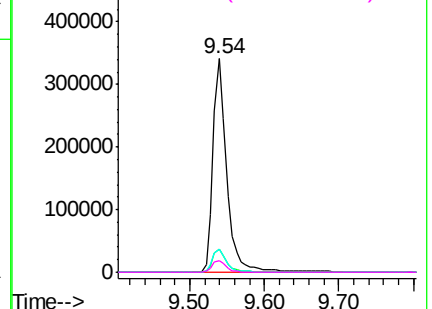
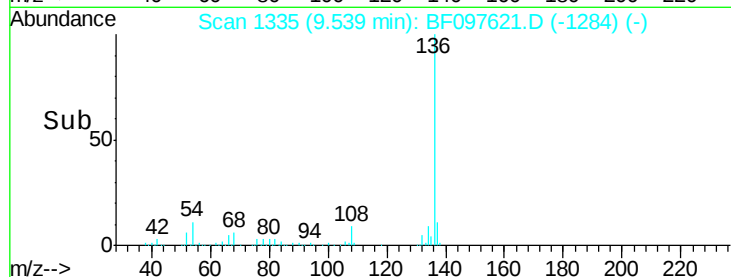


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.58 ng

RT: 8.43 min Scan# 1147

Delta R.T. 0.01 min

Lab File: BF097621.D

Acq: 12 Aug 2017 5:31

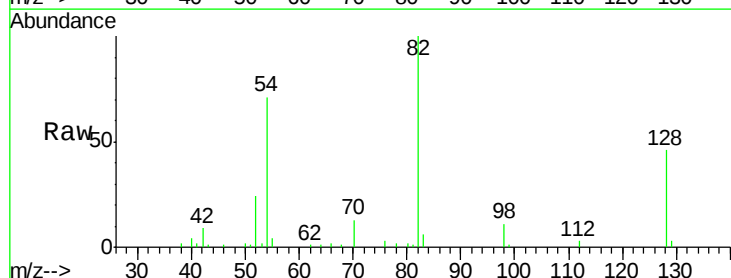
Tgt Ion: 82 Resp: 81595

Ion Ratio Lower Upper

82 100

128 45.8 34.0 51.0

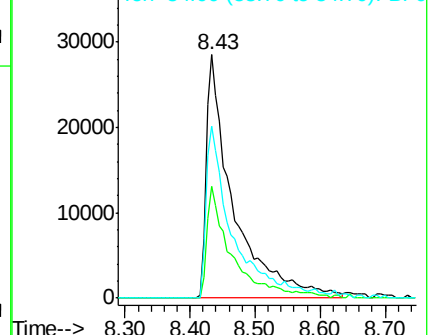
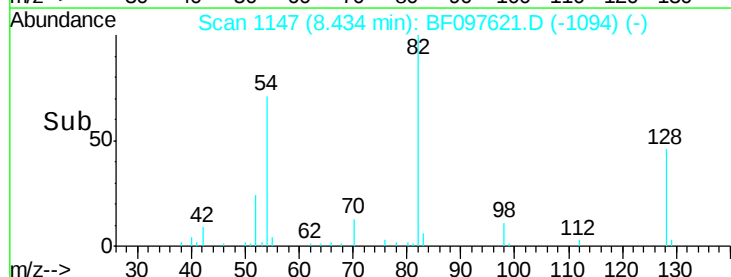
54 70.6 42.2 63.2#

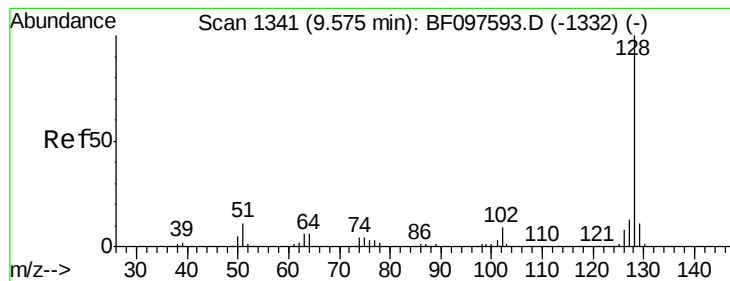


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 2.59 ng

RT: 9.57 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BF097621.D

Acq: 12 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

E2-L8-BASE

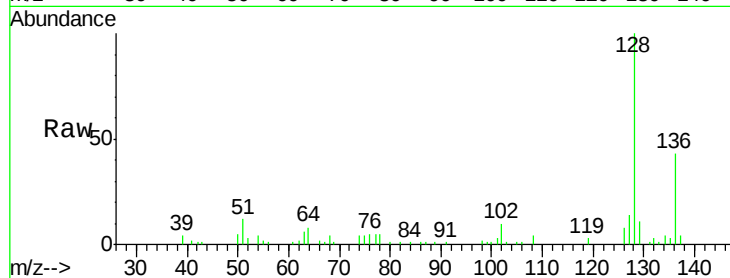
Tot Ion:128 Resp: 57291

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

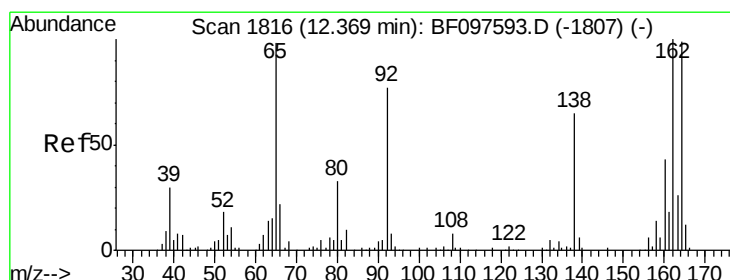
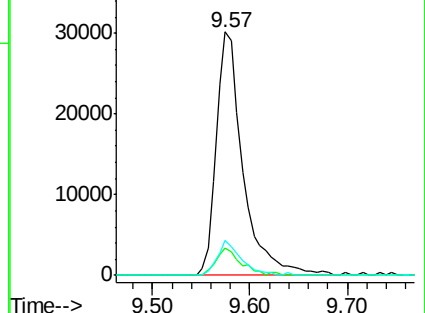
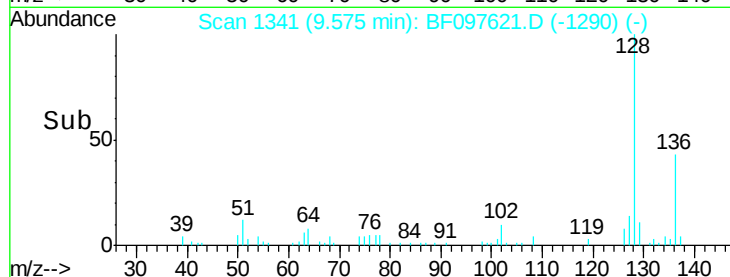
127 14.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.36 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF097621.D

Acq: 12 Aug 2017 5:31

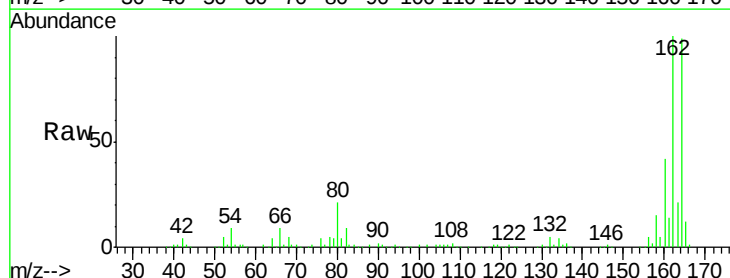
Tgt Ion:164 Resp: 186818

Ion Ratio Lower Upper

164 100

162 101.3 82.6 123.8

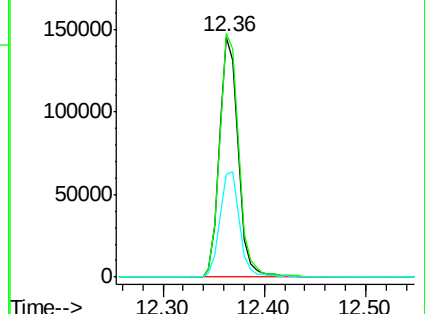
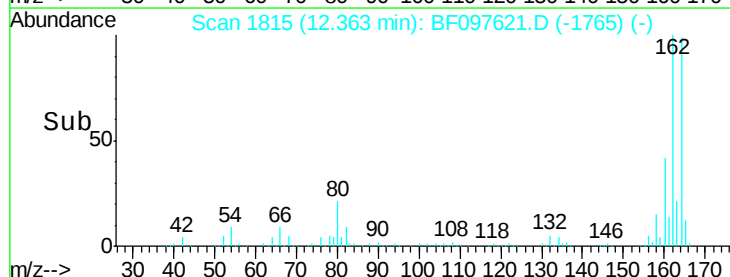
160 42.9 36.2 54.2

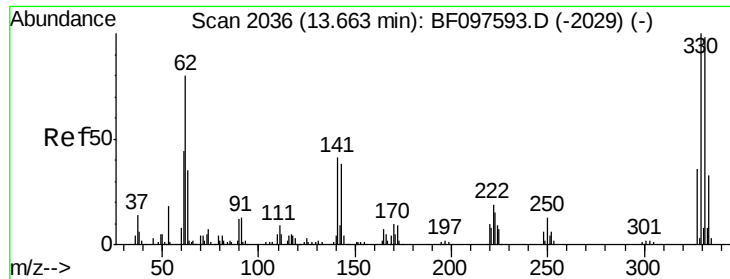


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

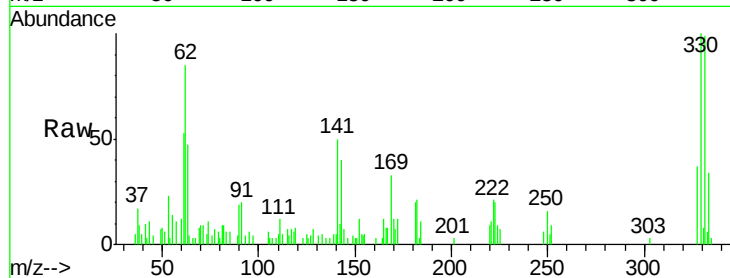




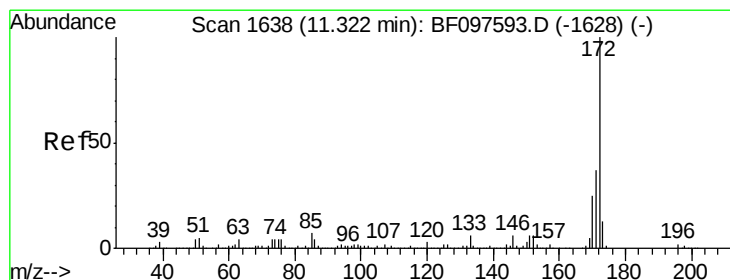
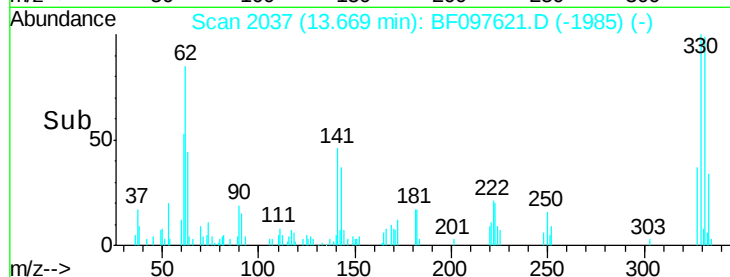
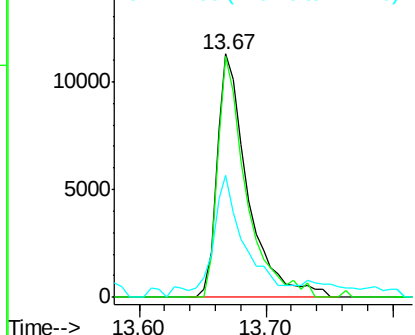
#41
 2,4,6-Tribromophenol
 Concen: 13.38 ng
 RT: 13.67 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

Instrument :
 BNA_F
 ClientSampleId :
 E2-L8-BASE

Tot Ion:330 Resp: 19000
 Ion Ratio Lower Upper
 330 100
 332 92.2 76.6 115.0
 141 52.9 31.4 47.2#

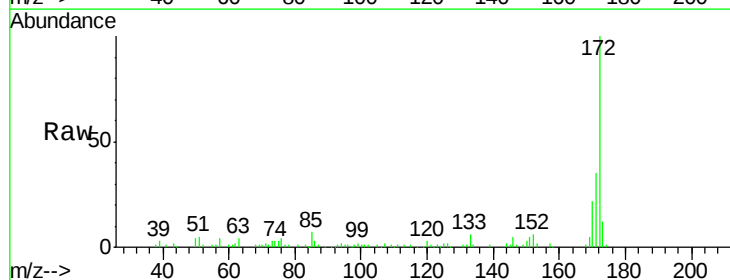


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

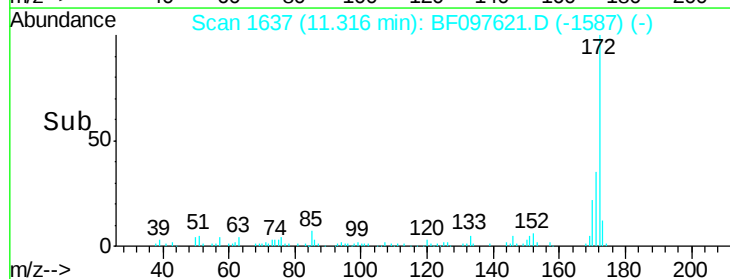
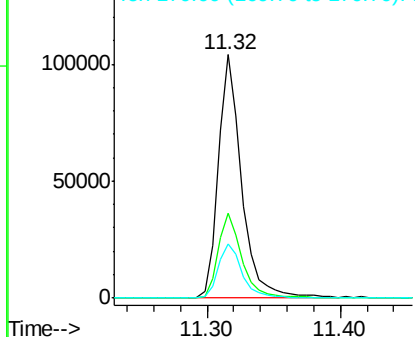


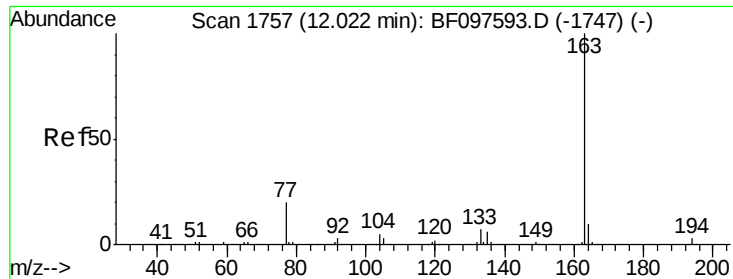
#44
 2-Fluorobiphenyl
 Concen: 10.37 ng
 RT: 11.32 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

Tgt Ion:172 Resp: 128388
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.6 44.4
 170 22.4 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: 2.36 ng

RT: 12.02 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF097621.D

Acq: 12 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

E2-L8-BASE

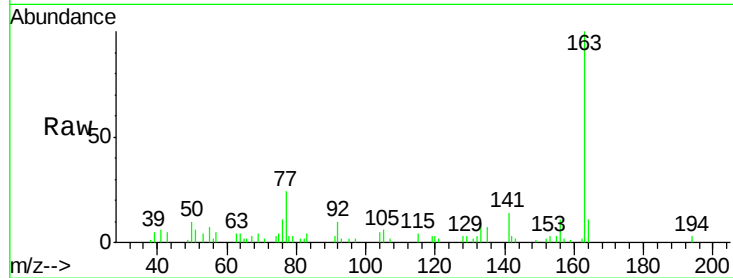
Tot Ion:163 Resp: 33962

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

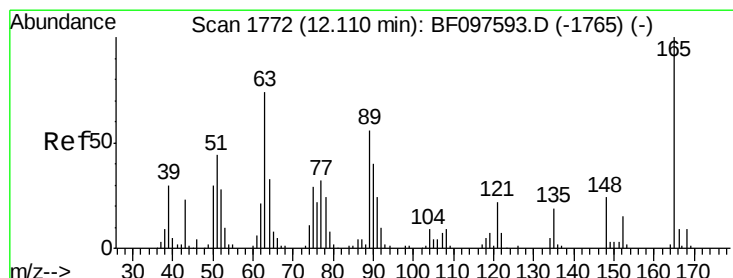
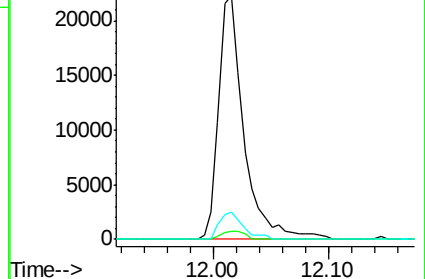
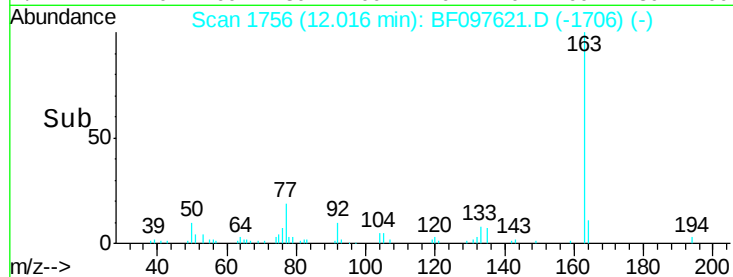
164 11.0 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 7.70 ng

RT: 12.36 min Scan# 1815

Delta R.T. 0.25 min

Lab File: BF097621.D

Acq: 12 Aug 2017 5:31

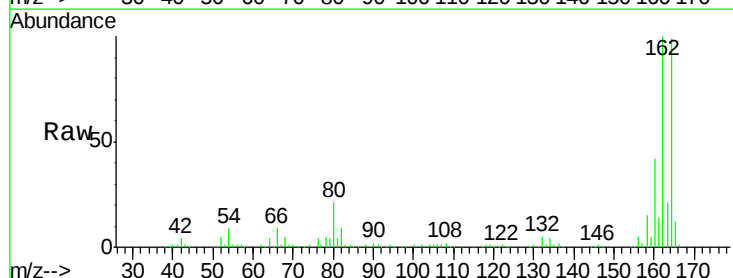
Tgt Ion:165 Resp: 22901

Ion Ratio Lower Upper

165 100

63 2.2 34.3 51.5#

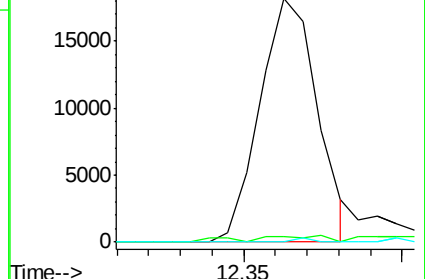
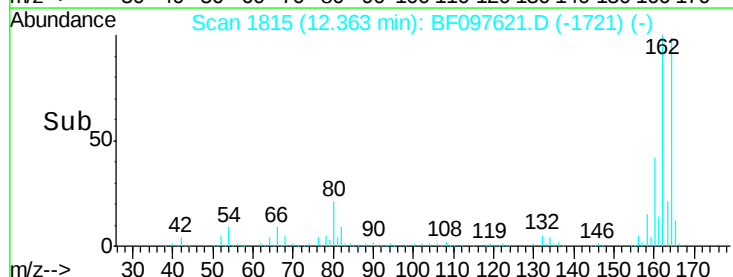
89 0.0 37.1 55.7#

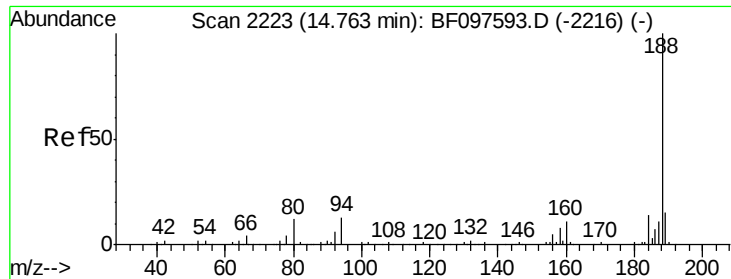


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

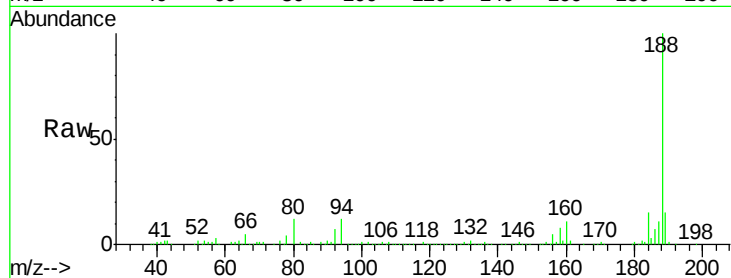




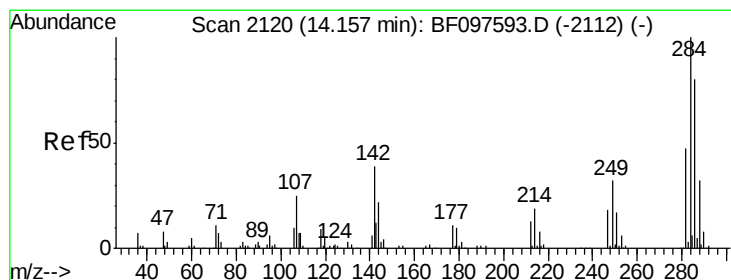
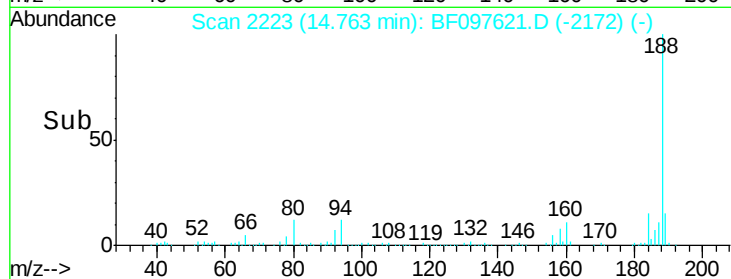
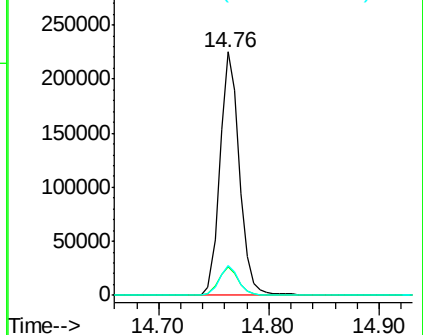
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2223
Delta R.T. 0.00 min
Lab File: BF097621.D
Acq: 12 Aug 2017 5:31

Instrument :
BNA_F
ClientSampleId :
E2-L8-BASE

Tot Ion:188 Resp: 277670
Ion Ratio Lower Upper
188 100
94 11.9 9.4 14.2
80 12.1 10.2 15.2

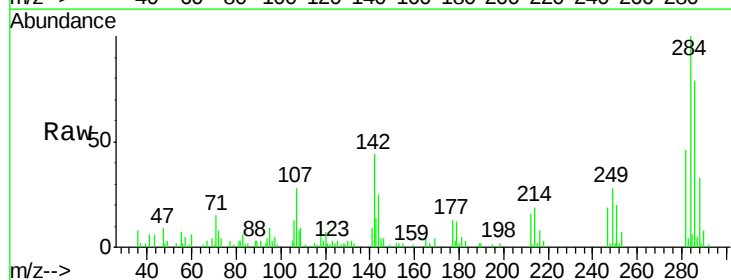


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

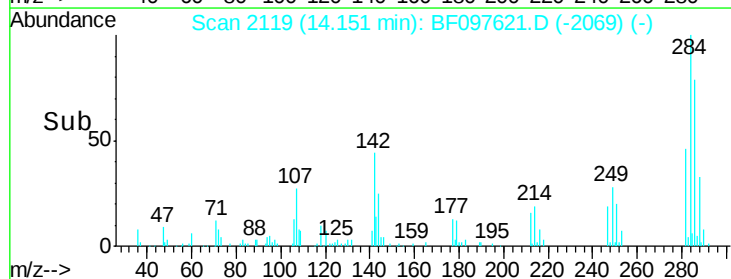
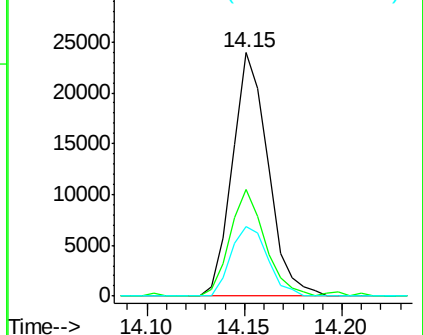


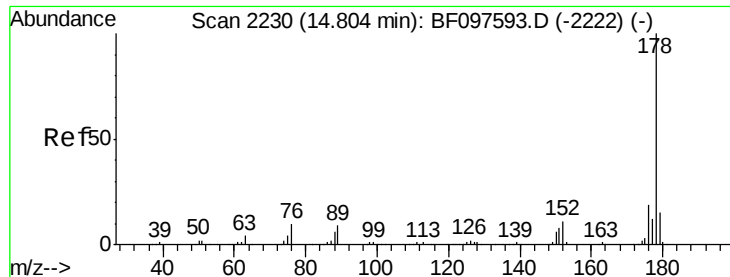
#67
Hexachlorobenzene
Concen: 9.66 ng
RT: 14.15 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BF097621.D
Acq: 12 Aug 2017 5:31

Tgt Ion:284 Resp: 30316
Ion Ratio Lower Upper
284 100
142 43.9 22.8 34.2#
249 28.4 24.0 36.0



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

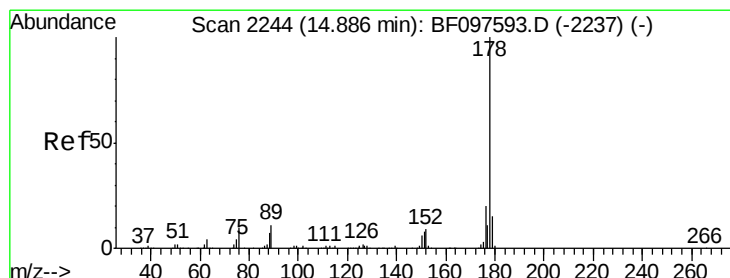
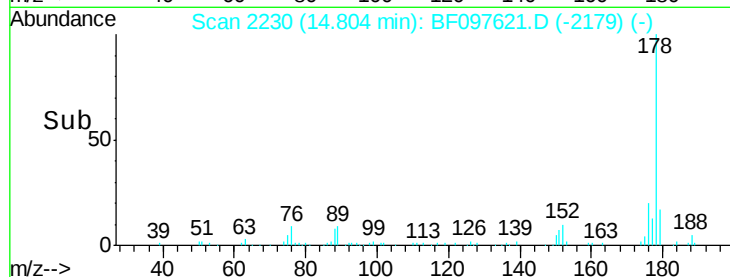
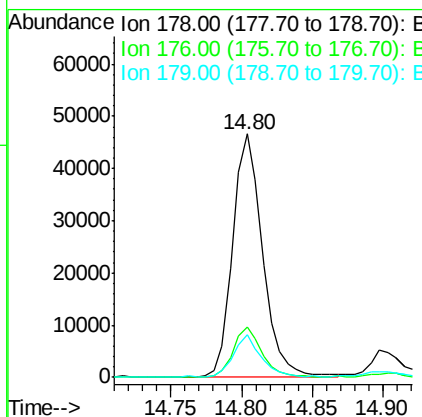
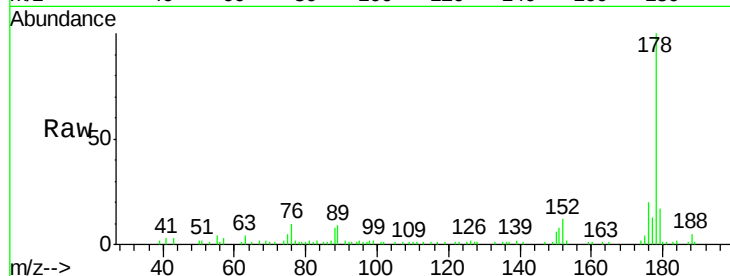




#70
 Phenanthrene
 Concen: 4.32 ng
 RT: 14.80 min Scan# 2230
 Delta R.T. 0.00 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

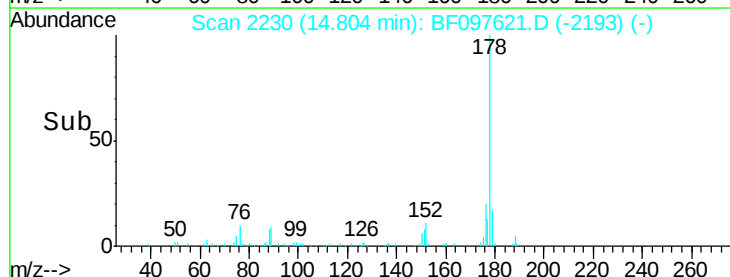
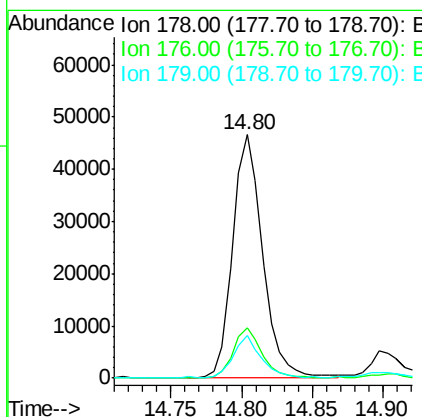
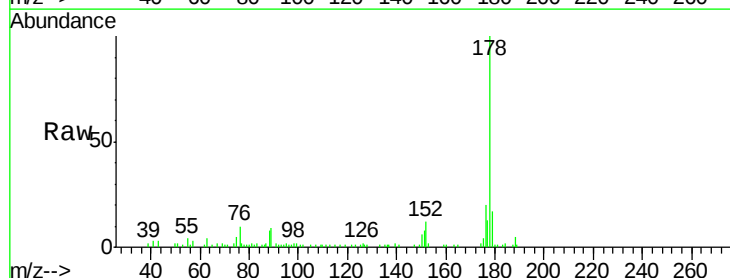
Instrument :
 BNA_F
 ClientSampleId :
 E2-L8-BASE

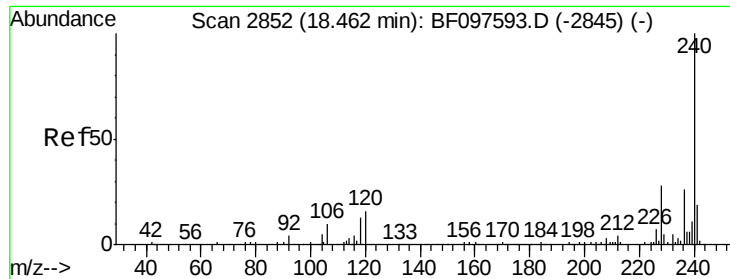
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.2	24.4
179	17.4	12.6	19.0



#71
 Anthracene
 Concen: 4.22 ng
 RT: 14.80 min Scan# 2230
 Delta R.T. -0.08 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	17.4	12.7	19.1

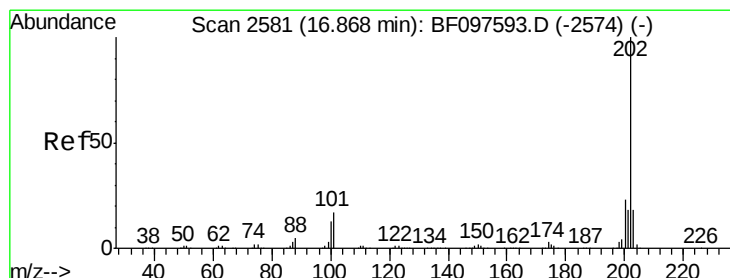
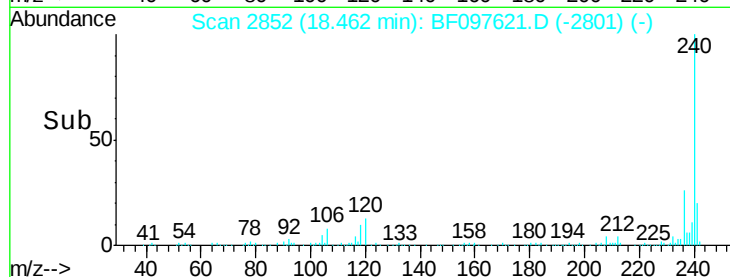
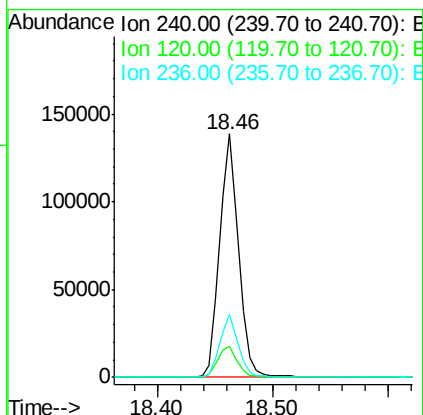
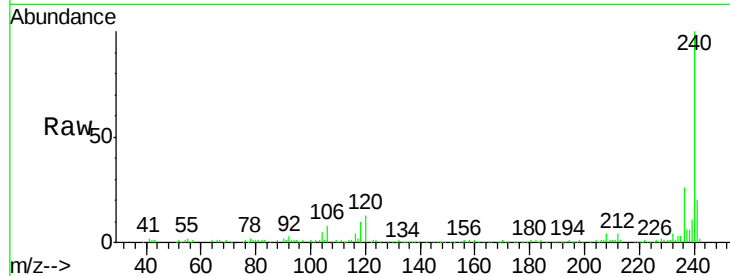




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.46 min Scan# 2852
 Delta R.T. 0.00 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

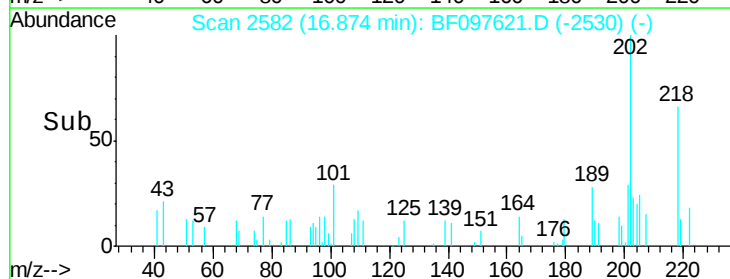
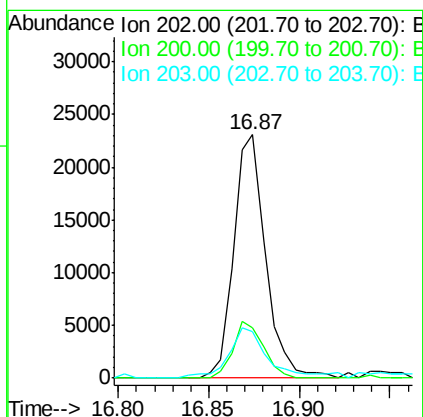
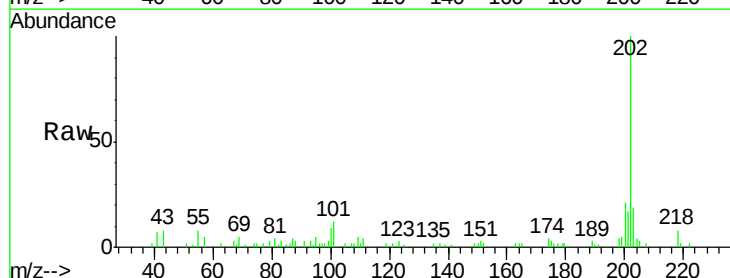
Instrument :
 BNA_F
 ClientSampleId :
 E2-L8-BASE

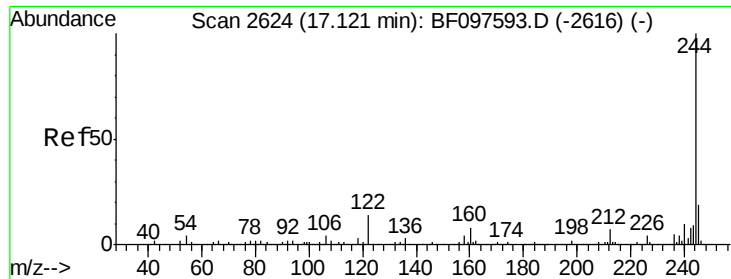
Tot Ion:240 Resp: 158503
 Ion Ratio Lower Upper
 240 100
 120 12.5 5.8 8.8#
 236 25.8 20.5 30.7



#77
 Pyrene
 Concen: 2.15 ng
 RT: 16.87 min Scan# 2582
 Delta R.T. 0.01 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

Tgt Ion:202 Resp: 28217
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.6 26.4
 203 19.0 14.4 21.6

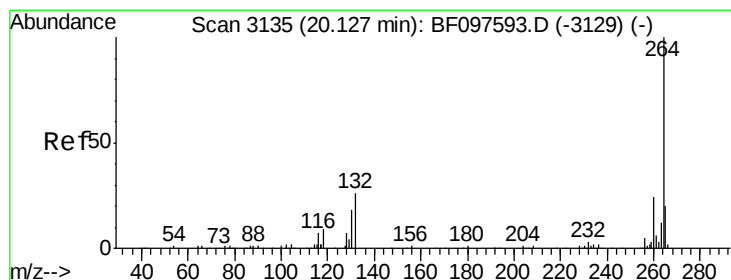
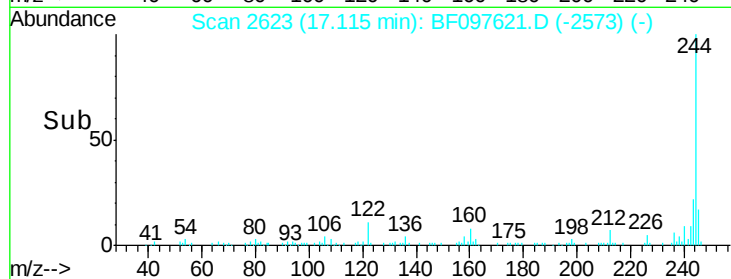
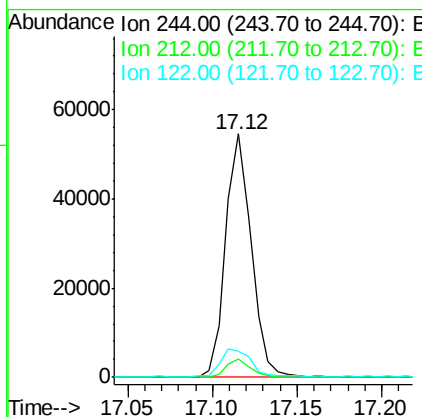
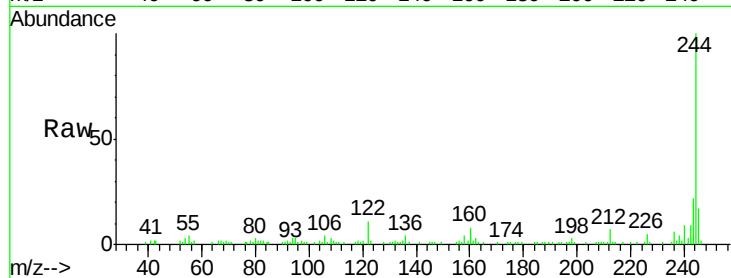




#78
 Terphenyl-d14
 Concen: 7.52 ng
 RT: 17.12 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

Instrument :
 BNA_F
 ClientSampleId :
 E2-L8-BASE

Tot Ion:244 Resp: 57565
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 10.9 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.13 min Scan# 3136
 Delta R.T. 0.01 min
 Lab File: BF097621.D
 Acq: 12 Aug 2017 5:31

Tgt Ion:264 Resp: 154882
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.5 29.3
 265 20.5 17.2 25.8

