

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097074.D
 Acq On : 26 Jul 2017 14:40
 Operator : SJ/JU
 Sample : I4443-05 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-M7-ESW

Quant Time: Jul 26 15:59:00 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

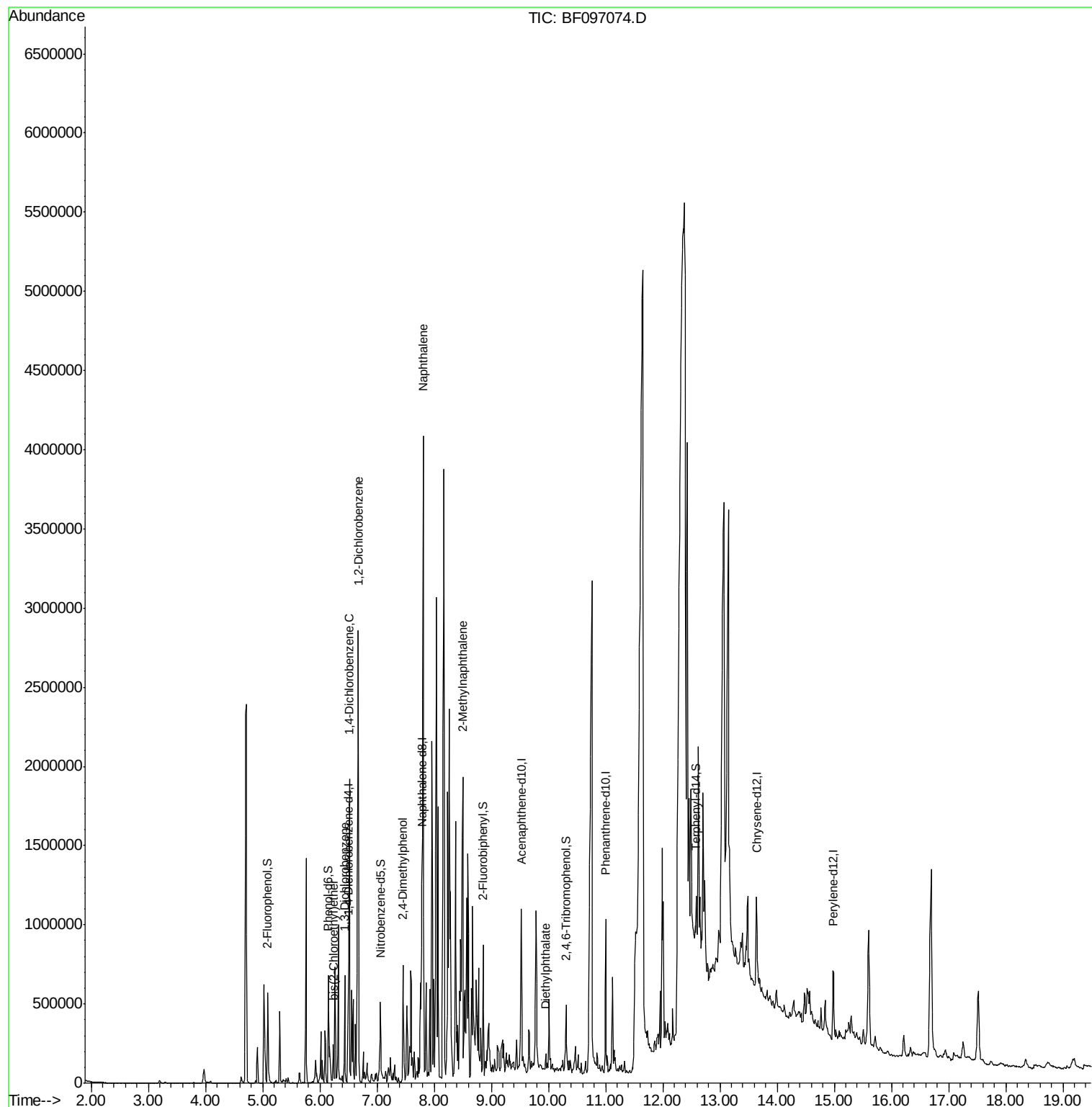
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	113771	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	495847	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	209248	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	316471	20.00	ng	0.00
75) Chrysene-d12	13.63	240	197334	20.00	ng	0.00
86) Perylene-d12	14.98	264	186635	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	173682	23.01	ng	-0.01
7) Phenol-d6	6.15	99	216308	25.11	ng	-0.02
23) Nitrobenzene-d5	7.06	82	121706	14.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.31	330	41145	24.89	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	217623	17.65	ng	-0.01
78) Terphenyl-d14	12.59	244	110590	11.43	ng	0.00
Target Compounds						
11) bis(2-Chloroethyl)ether	6.23	93	70205	8.686	ng	92
12) 1,3-Dichlorobenzene	6.43	146	153603	17.662	ng	98
13) 1,4-Dichlorobenzene	6.52	146	471879	54.751	ng	96
14) 1,2-Dichlorobenzene	6.67	146	674263	89.600	ng	99
27) 2,4-Dimethylphenol	7.46	122	117280	14.928	ng	95
31) Naphthalene	7.81	128	2176668	93.125	ng	99
37) 2-Methylnaphthalene	8.50	142	449125	30.348	ng	99
59) Diethylphthalate	9.96	149	35180	2.413	ng	98

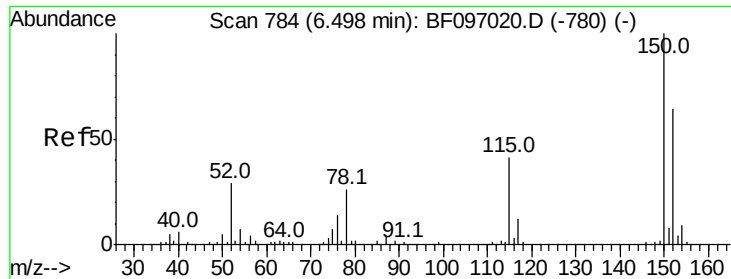
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
Data File : BF097074.D
Acq On : 26 Jul 2017 14:40
Operator : SJ/JU
Sample : I4443-05 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-M7-ESW

Quant Time: Jul 26 15:59:00 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



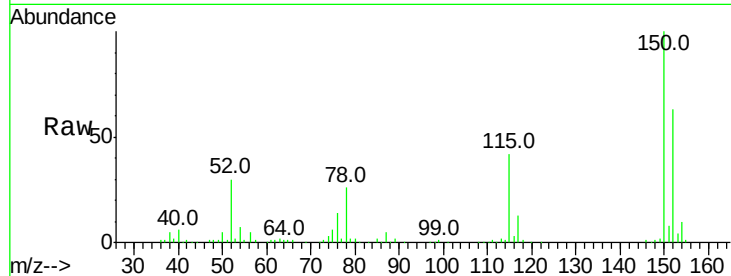


#1

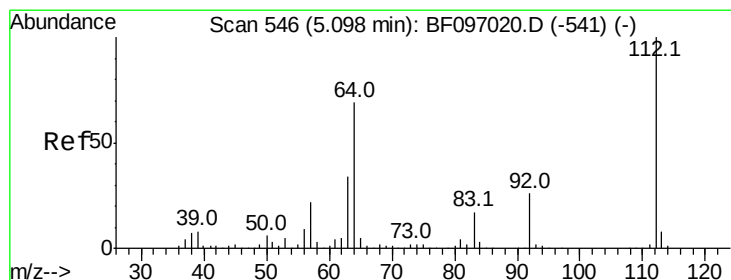
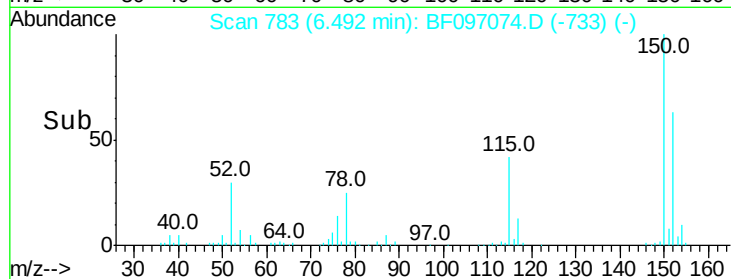
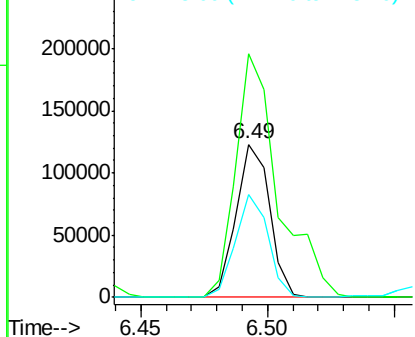
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097074.D
Acq: 26 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
E2-M7-ESW

Tot Ion:152 Resp: 113771
Ion Ratio Lower Upper
152 100
150 159.3 126.2 189.2
115 67.5 52.2 78.2



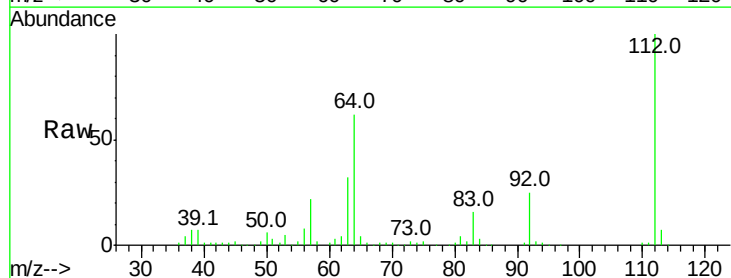
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



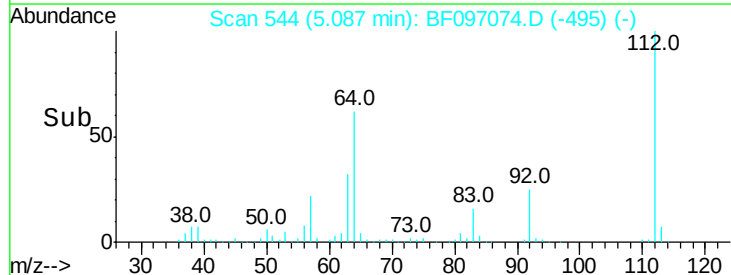
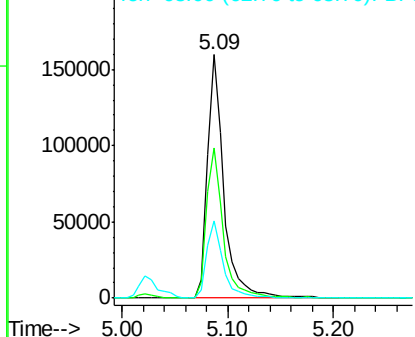
#5

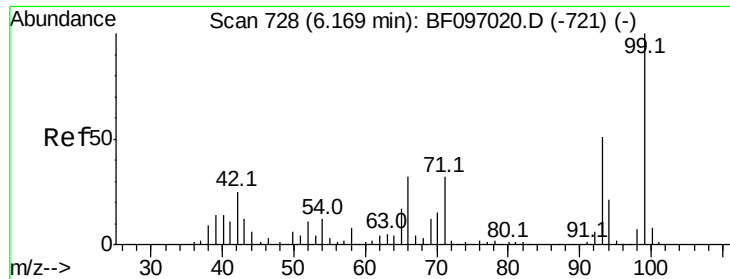
2-Fluorophenol
Concen: 23.013 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097074.D
Acq: 26 Jul 2017 14:40

Tgt Ion:112 Resp: 173682
Ion Ratio Lower Upper
112 100
64 61.8 46.0 69.0
63 31.7 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: 25.106 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

Instrument :

BNA_F

ClientSampleId :

E2-M7-ESW

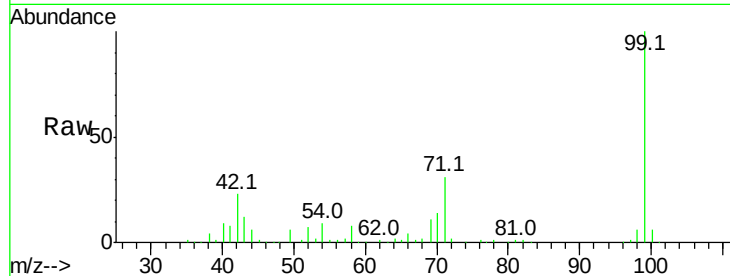
Tot Ion: 99 Resp: 216308

Ion Ratio Lower Upper

99 100

42 22.8 13.5 20.3#

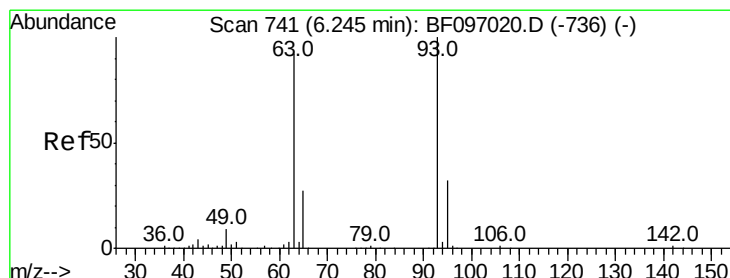
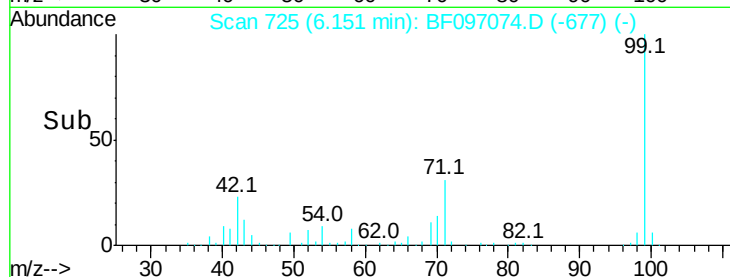
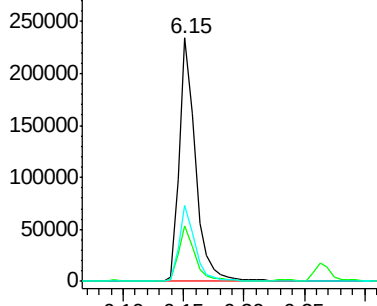
71 31.2 24.5 36.7



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



#11

bis(2-Chloroethyl)ether

Concen: 8.686 ng

RT: 6.23 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

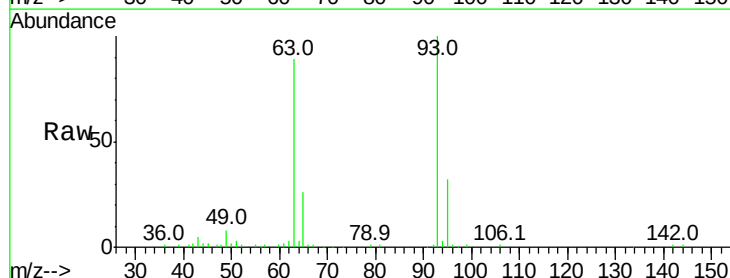
Tgt Ion: 93 Resp: 70205

Ion Ratio Lower Upper

93 100

63 89.3 59.2 99.2

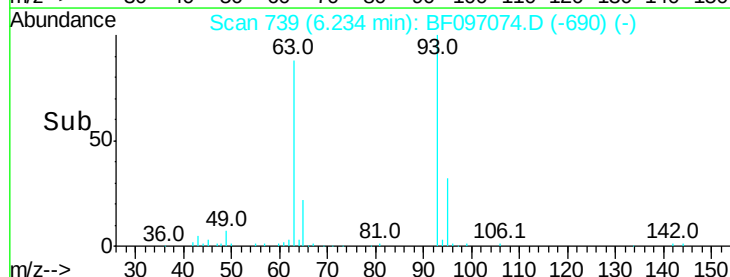
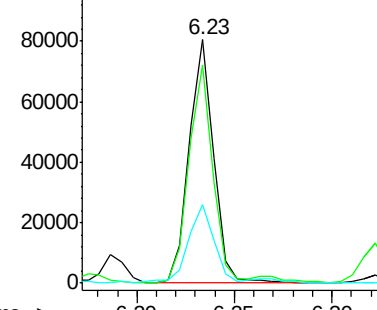
95 32.2 12.8 52.8

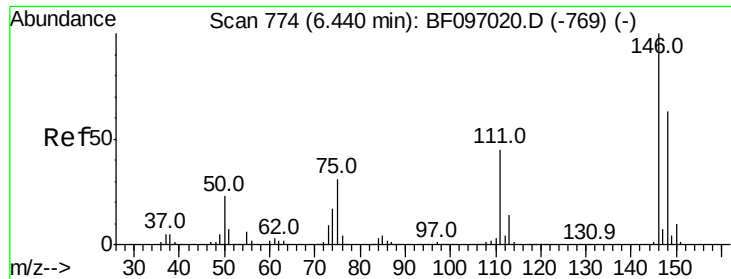


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

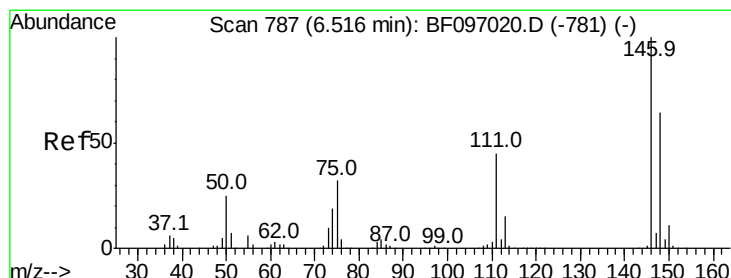
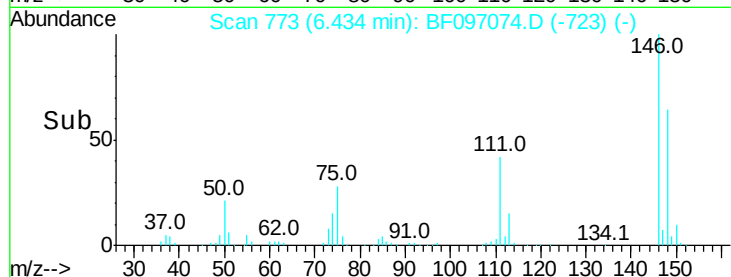
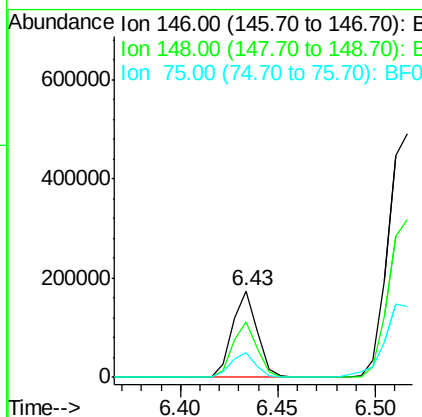
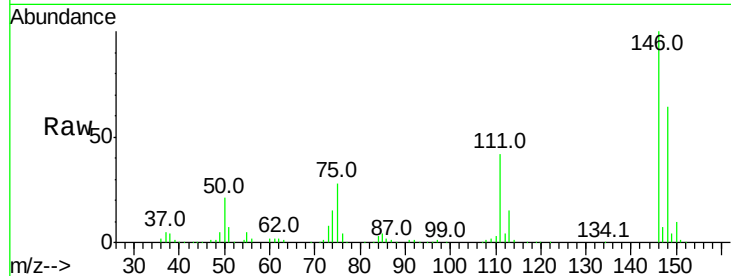




#12
 1,3-Dichlorobenzene
 Concen: 17.662 ng
 RT: 6.43 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF097074.D
 Acq: 26 Jul 2017 14:40

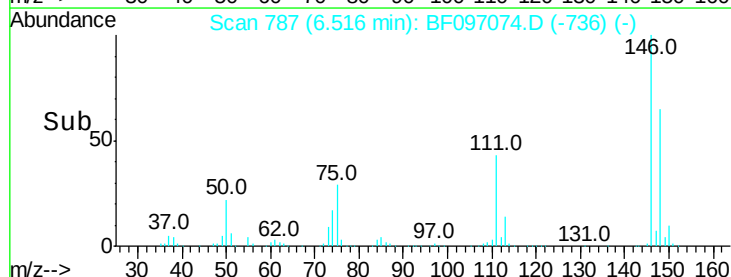
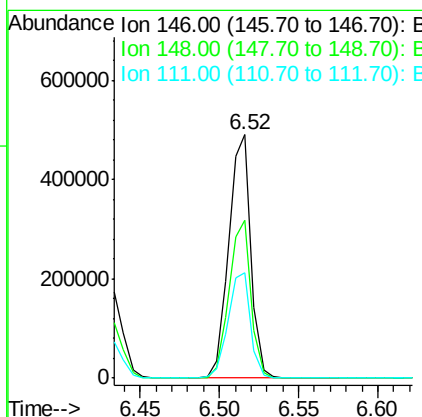
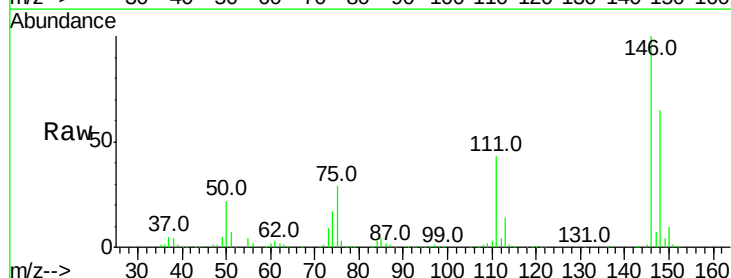
Instrument :
 BNA_F
 ClientSampleId :
 E2-M7-ESW

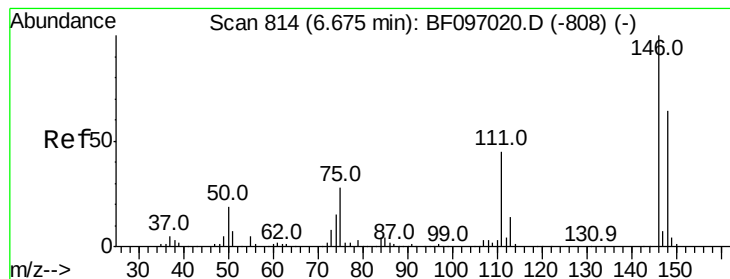
Tot Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.8	77.6
75	28.0	23.1	34.7



#13
 1,4-Dichlorobenzene
 Concen: 54.751 ng
 RT: 6.52 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF097074.D
 Acq: 26 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.2	78.2
111	43.4	30.3	45.5





#14

1,2-Dichlorobenzene

Concen: 89.600 ng

RT: 6.67 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

Instrument :

BNA_F

ClientSampleId :

E2-M7-ESW

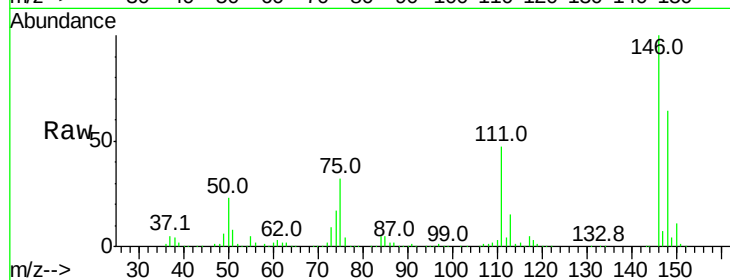
Tot Ion:146 Resp: 674263

Ion Ratio Lower Upper

146 100

148 63.5 50.4 75.6

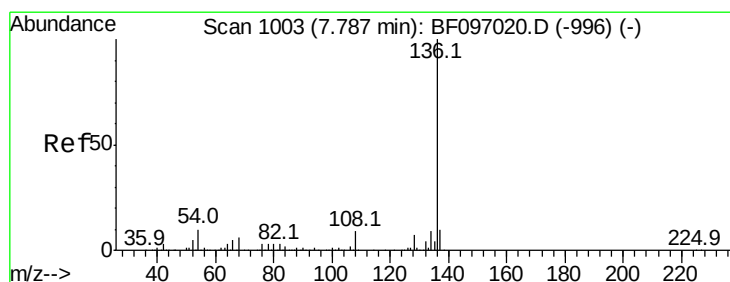
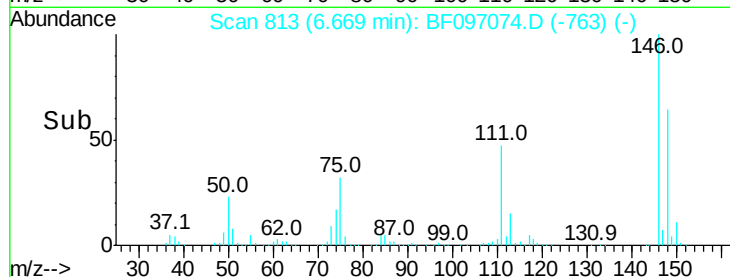
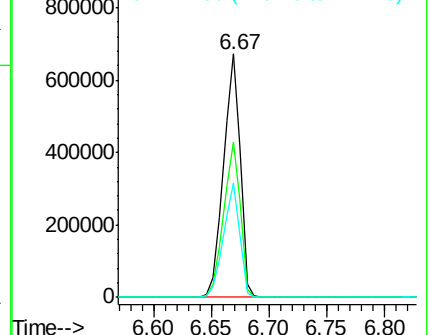
111 47.0 38.2 57.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

Tgt Ion:136 Resp: 495847

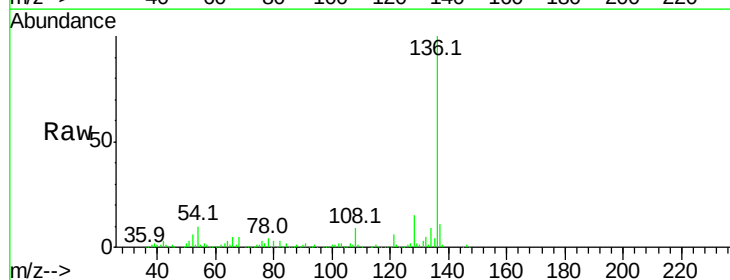
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 10.4 4.9 7.3#

68 5.2 4.1 6.1

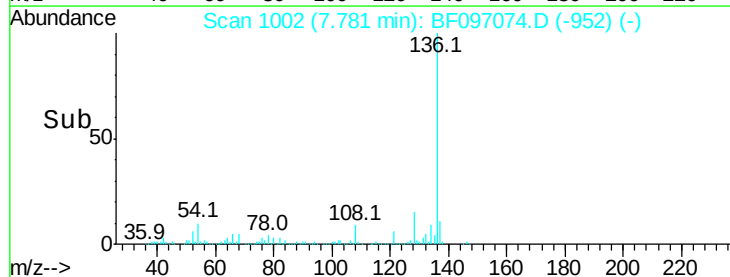
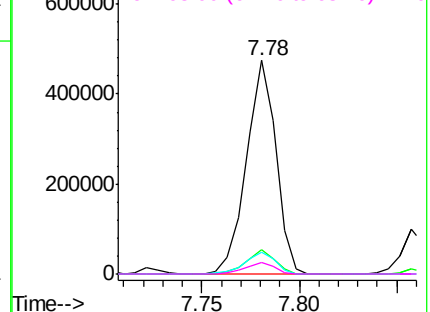


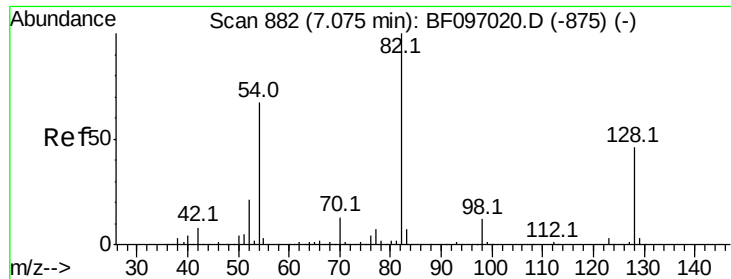
Abundance Ion 136.00 (135.70 to 136.70): E

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

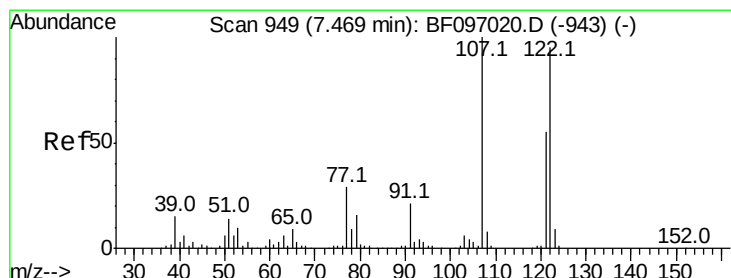
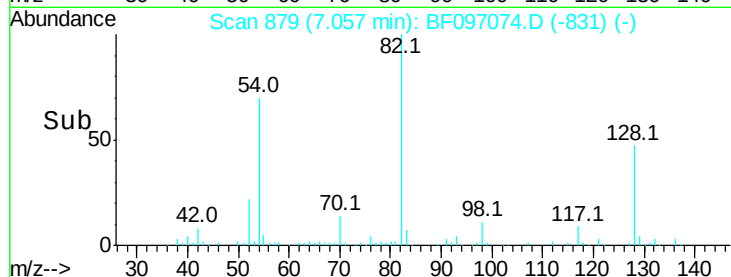
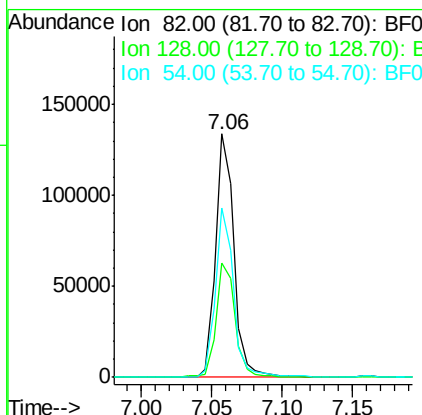
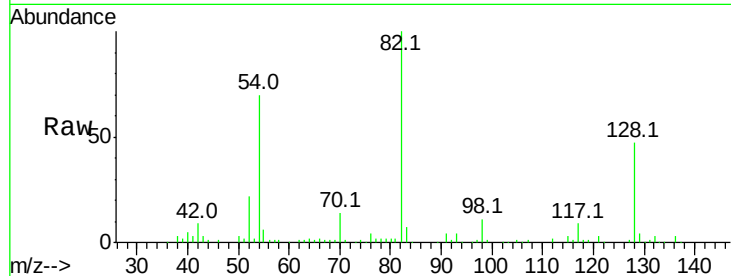




#23
 Nitrobenzene-d5
 Concen: 14.399 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF097074.D
 Acq: 26 Jul 2017 14:40

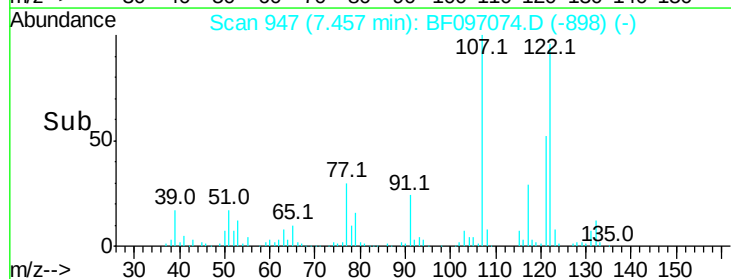
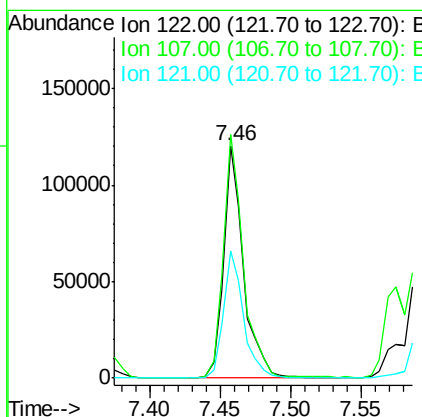
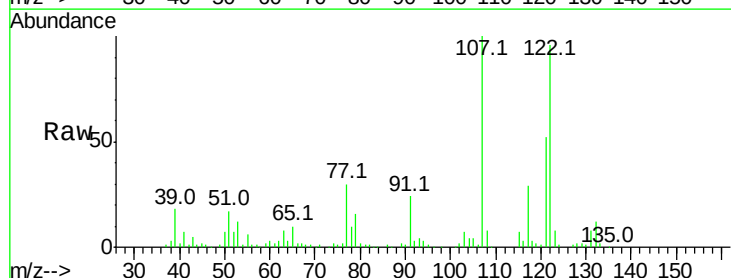
Instrument :
 BNA_F
 ClientSampleId :
 E2-M7-ESW

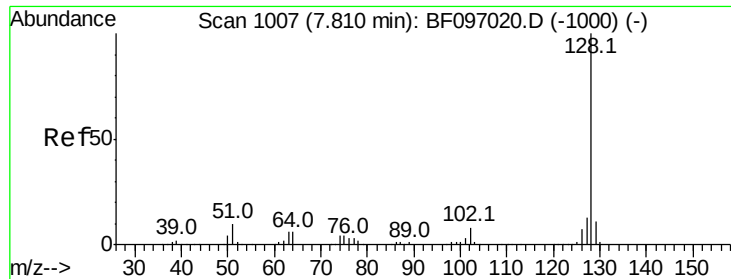
Tot Ion: 82 Resp: 121706
 Ion Ratio Lower Upper
 82 100
 128 47.1 34.0 51.0
 54 69.5 42.2 63.2#



#27
 2,4-Dimethylphenol
 Concen: 14.928 ng
 RT: 7.46 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: BF097074.D
 Acq: 26 Jul 2017 14:40

Tgt Ion: 122 Resp: 117280
 Ion Ratio Lower Upper
 122 100
 107 104.6 89.2 133.8
 121 54.5 45.2 67.8



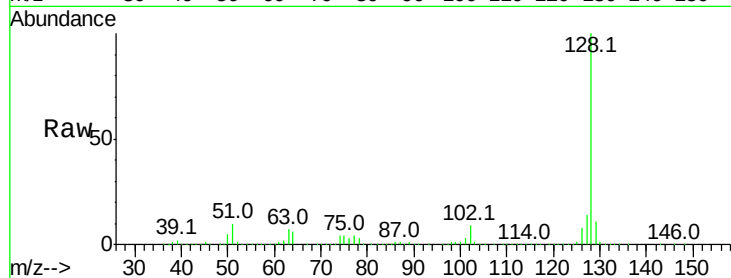


#31
Naphthalene
Concen: 93.125 ng
RT: 7.81 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF097074.D
Acq: 26 Jul 2017 14:40

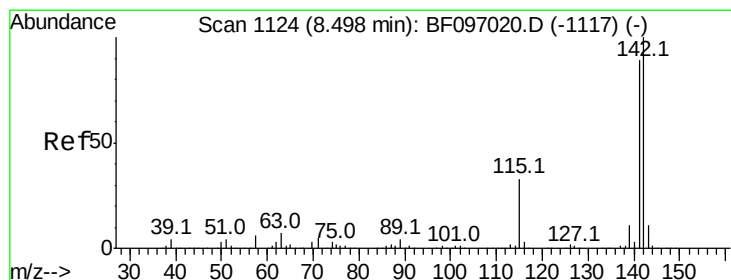
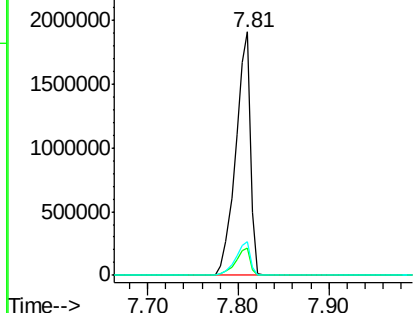
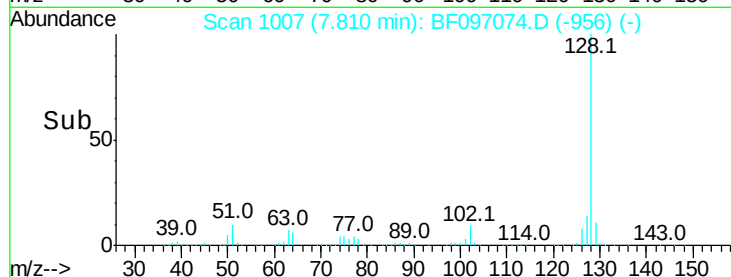
Instrument :
BNA_F
ClientSampleId :
E2-M7-ESW

Tot Ion:128 Resp: 2176668

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	14.0	10.8	16.2



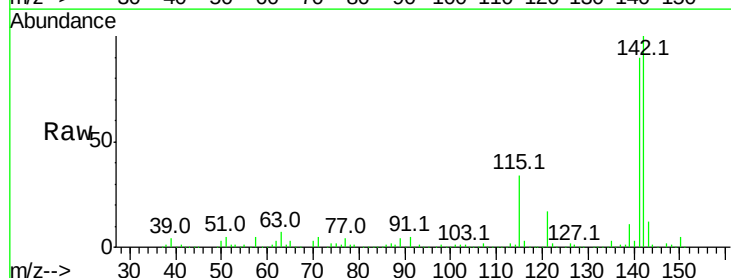
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



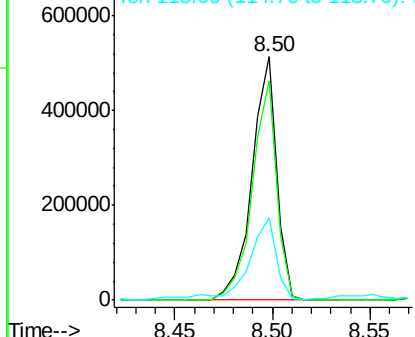
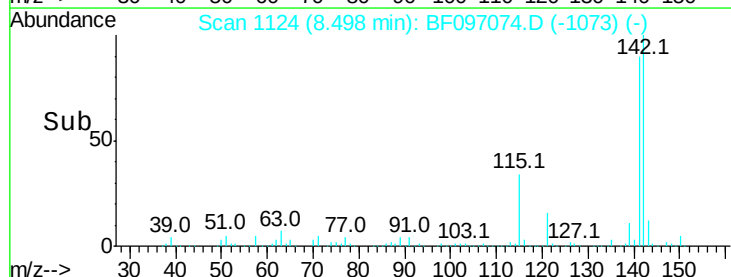
#37
2-Methylnaphthalene
Concen: 30.348 ng
RT: 8.50 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BF097074.D
Acq: 26 Jul 2017 14:40

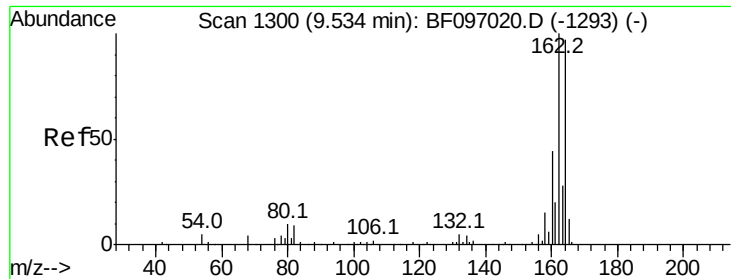
Tgt Ion:142 Resp: 449125

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.3	106.9
115	33.7	27.1	40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.52 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

Instrument :

BNA_F

ClientSampleId :

E2-M7-ESW

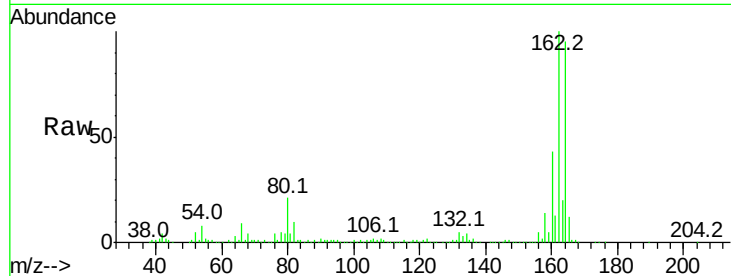
Tot Ion:164 Resp: 209248

Ion Ratio Lower Upper

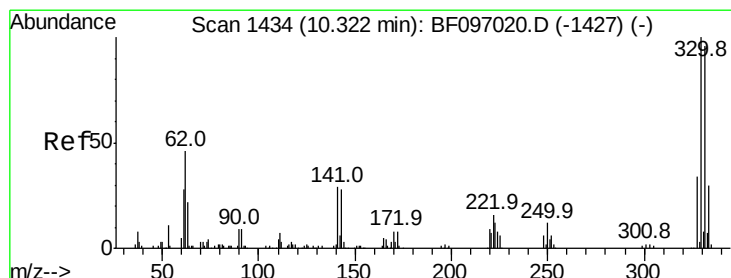
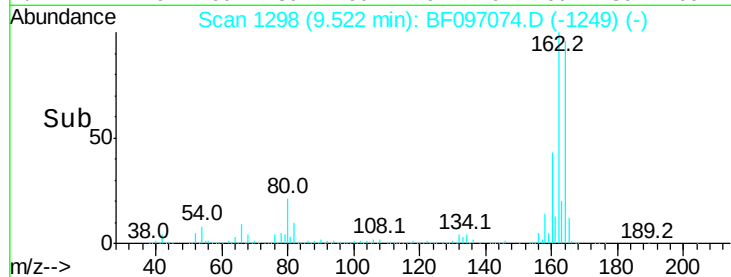
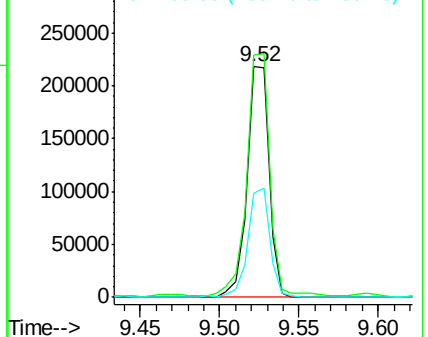
164 100

162 105.0 82.6 123.8

160 45.1 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: 24.887 ng

RT: 10.31 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

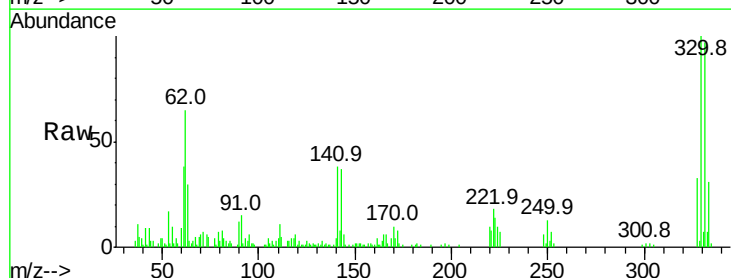
Tgt Ion:330 Resp: 41145

Ion Ratio Lower Upper

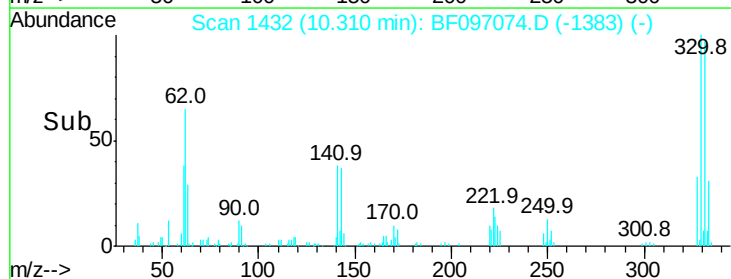
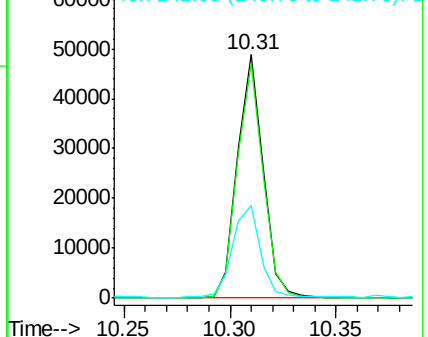
330 100

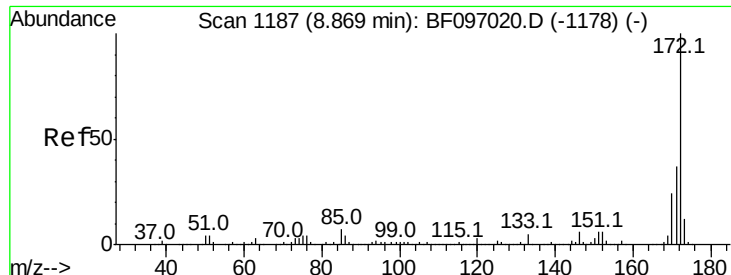
332 96.0 76.6 115.0

141 43.6 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

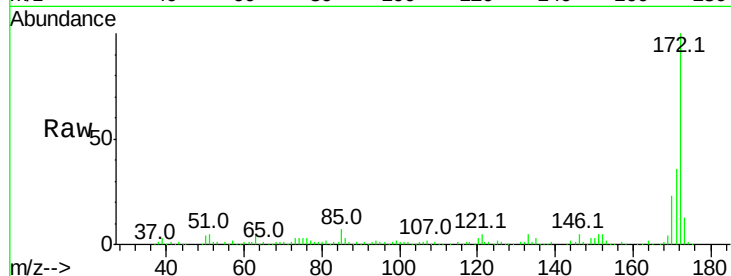




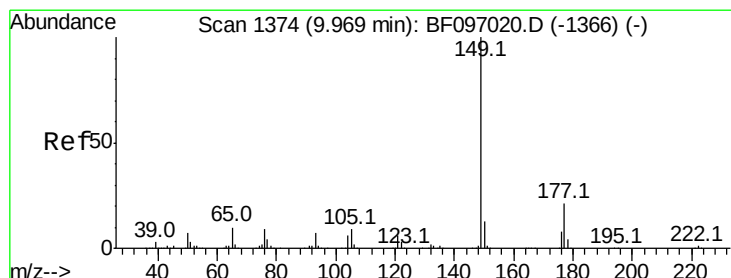
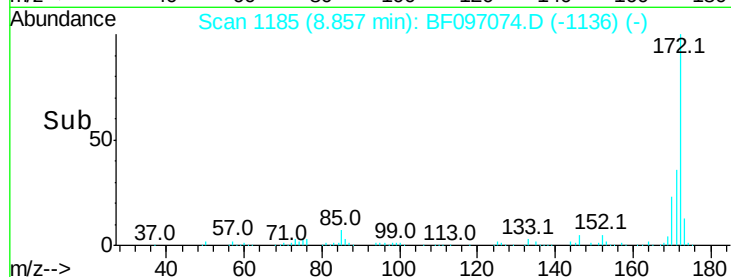
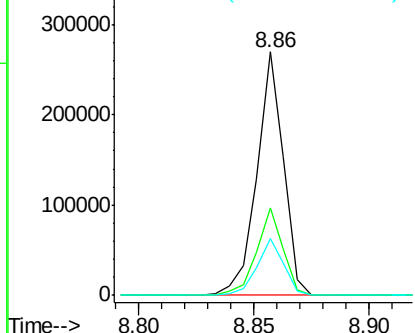
#44
2-Fluorobiphenyl
Concen: 17.650 ng
RT: 8.86 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF097074.D
Acq: 26 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
E2-M7-ESW

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.2	19.8	29.8

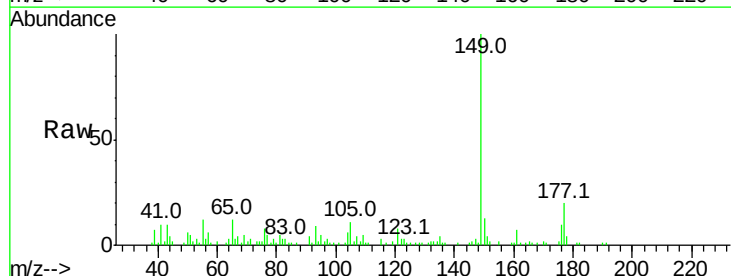


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

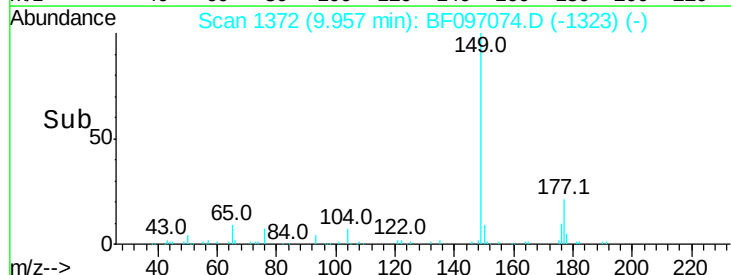
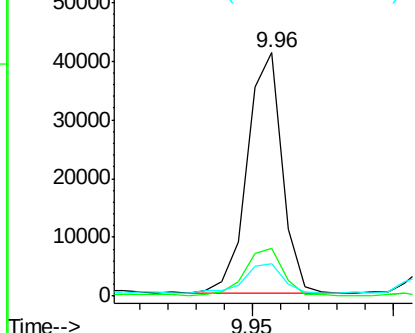


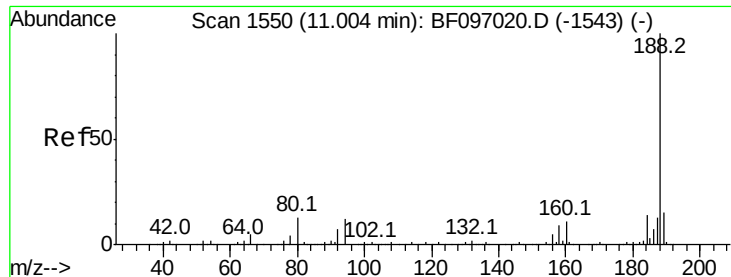
#59
Diethylphthalate
Concen: 2.413 ng
RT: 9.96 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BF097074.D
Acq: 26 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.6	16.7	25.1
150	13.3	10.2	15.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

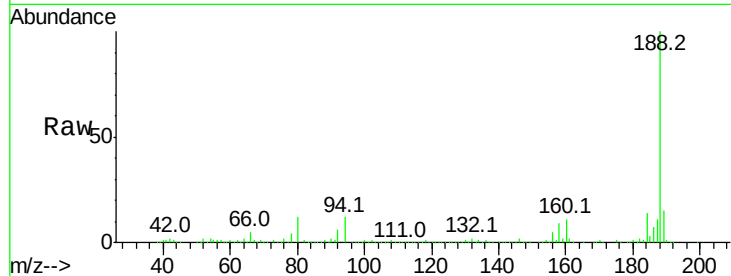




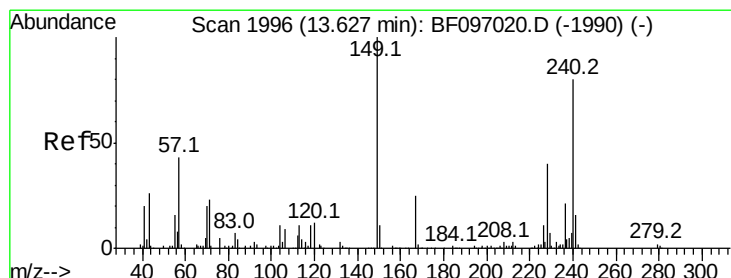
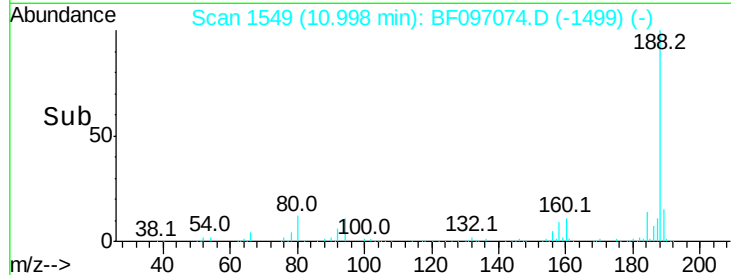
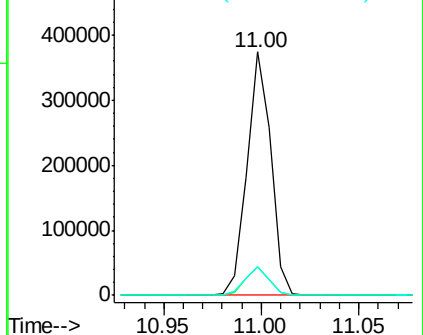
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097074.D
Acq: 26 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
E2-M7-ESW

Tot Ion:188 Resp: 316471
Ion Ratio Lower Upper
188 100
94 11.6 9.4 14.2
80 11.6 10.2 15.2

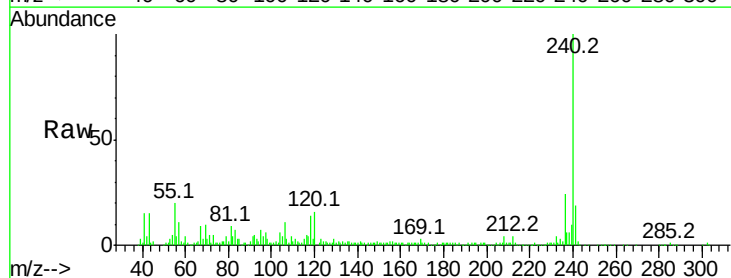


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

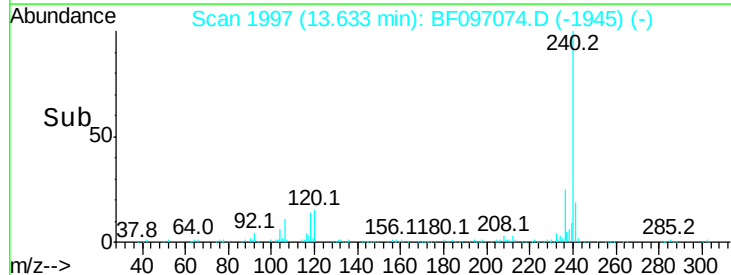
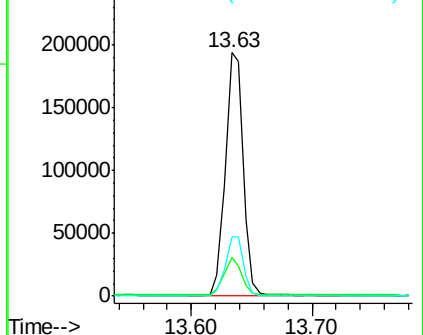


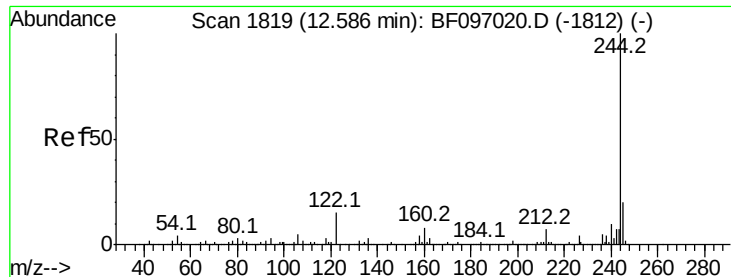
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.63 min Scan# 1997
Delta R.T. 0.01 min
Lab File: BF097074.D
Acq: 26 Jul 2017 14:40

Tgt Ion:240 Resp: 197334
Ion Ratio Lower Upper
240 100
120 16.1 5.8 8.8#
236 24.5 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





#78

Terphenyl-d14

Concen: 11.426 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

Instrument :

BNA_F

ClientSampleId :

E2-M7-ESW

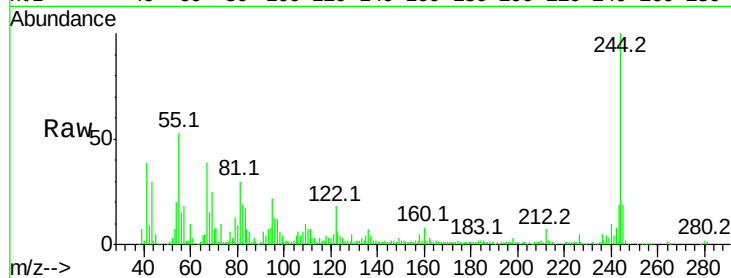
Tot Ion:244 Resp: 110590

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

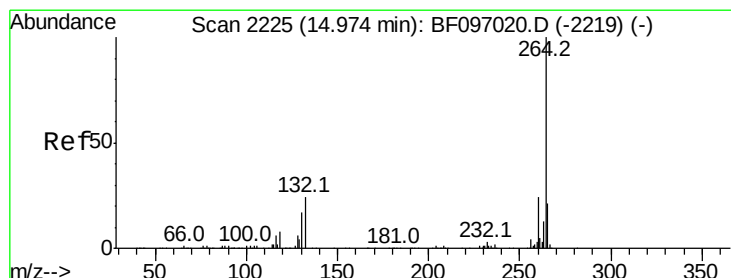
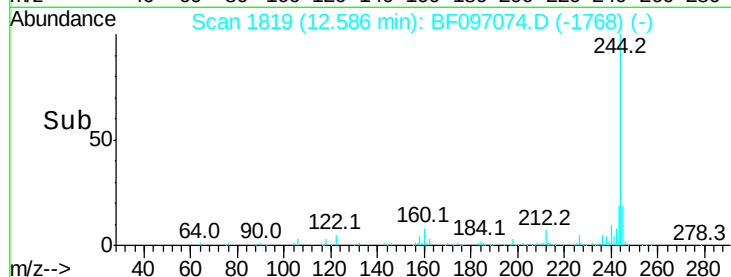
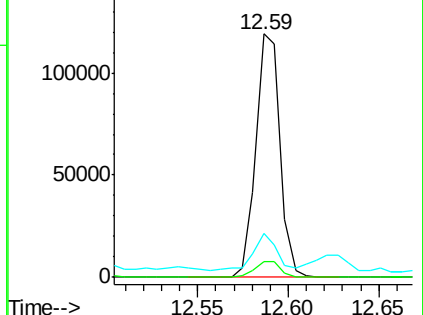
122 17.9 10.3 15.5#



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: 20.000 ng

RT: 14.98 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

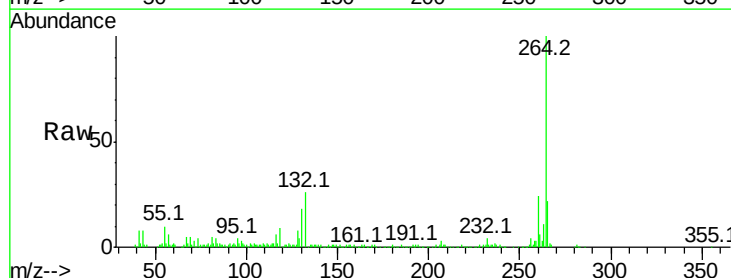
Tgt Ion:264 Resp: 186635

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.7 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

