

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097457.D
 Acq On : 8 Aug 2017 5:04
 Operator : SJ/JU
 Sample : I4545-01RE
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-09-BASE

Quant Time: Aug 08 06:08:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

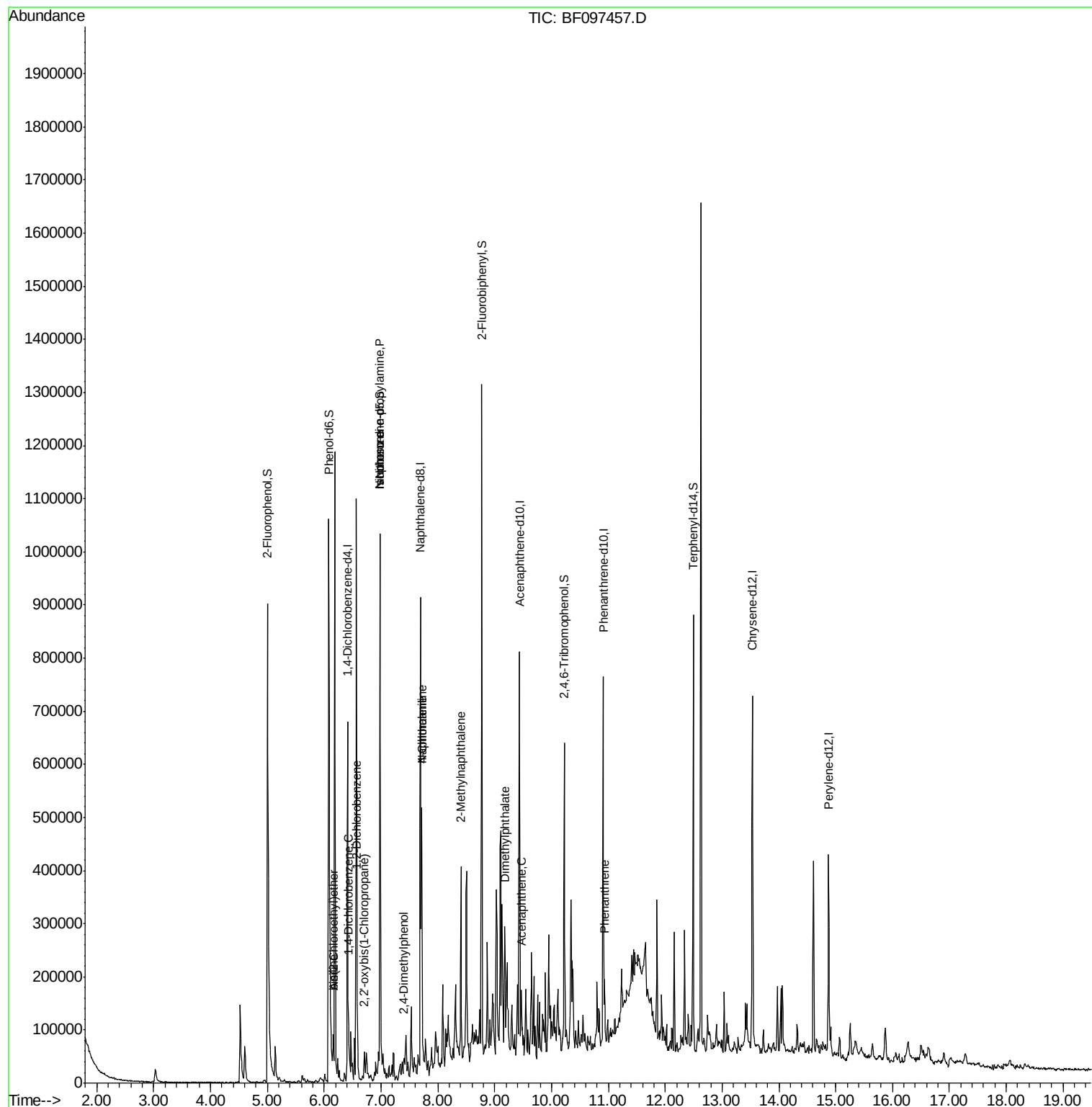
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.41	152	96481	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	356010	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	138154	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	224911	20.00	ng	0.00
75) Chrysene-d12	13.53	240	211675	20.00	ng	0.00
86) Perylene-d12	14.87	264	142391	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	377636	59.00	ng	0.00
7) Phenol-d6	6.08	99	458106	62.70	ng	0.00
23) Nitrobenzene-d5	6.98	82	300178	49.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.23	330	63164	57.87	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	358653	44.06	ng	0.00
78) Terphenyl-d14	12.49	244	238913	23.01	ng	0.00
Target Compounds						
6) Aniline	6.16	93	19417	2.11	ng	Qvalue # 54
11) bis(2-Chloroethyl)ether	6.16	93	19417	2.83	ng	88
13) 1,4-Dichlorobenzene	6.43	146	18497	2.53	ng	89
14) 1,2-Dichlorobenzene	6.58	146	15352	2.41	ng	94
16) 2,2'-oxybis(1-Chloropropan	6.71	45	28690	2.09	ng	95
19) n-Nitroso-di-n-propylamine	6.98	70	42478	8.83	ng	# 86
25) Isophorone	6.98	82	300175	25.26	ng	# 67
27) 2,4-Dimethylphenol	7.40	122	11995	2.13	ng	99
31) Naphthalene	7.72	128	206581	12.31	ng	99
33) 4-Chloroaniline	7.72	127	27935	4.09	ng	# 33
37) 2-Methylnaphthalene	8.40	142	87661	8.25	ng	97
49) Dimethylphthalate	9.17	163	75742	7.22	ng	98
51) Acenaphthene	9.47	154	20225	2.58	ng	98
70) Phenanthrene	10.93	178	42388	3.52	ng	98

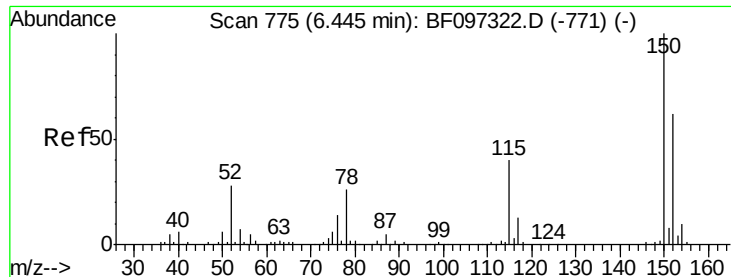
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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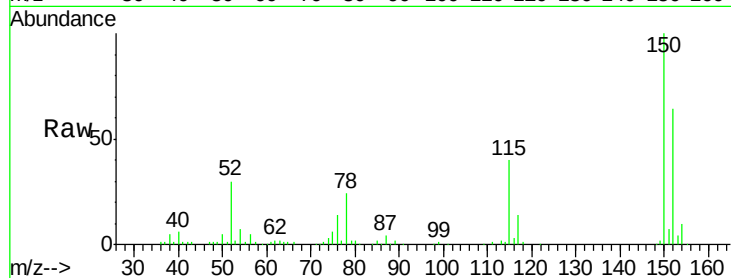


#1

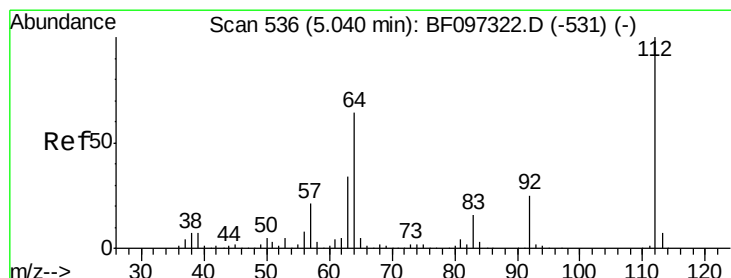
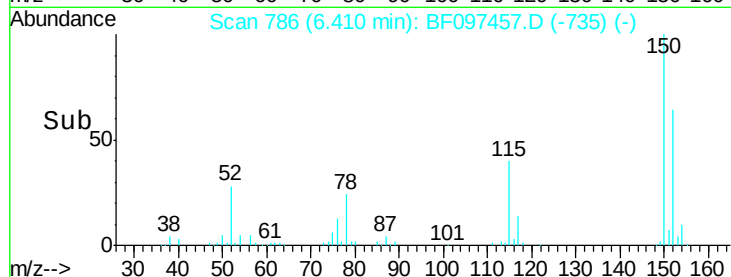
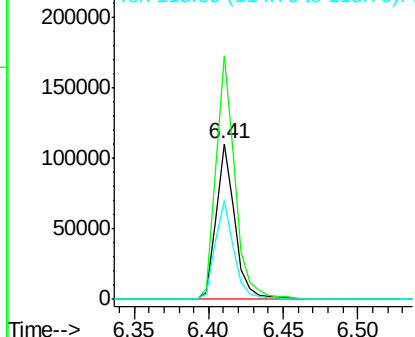
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097457.D
Acq: 8 Aug 2017 5:04

Instrument :
BNA_F
ClientSampleId :
E2-O9-BASE

Tot Ion:152 Resp: 96481
Ion Ratio Lower Upper
152 100
150 156.3 126.2 189.2
115 63.2 52.2 78.2



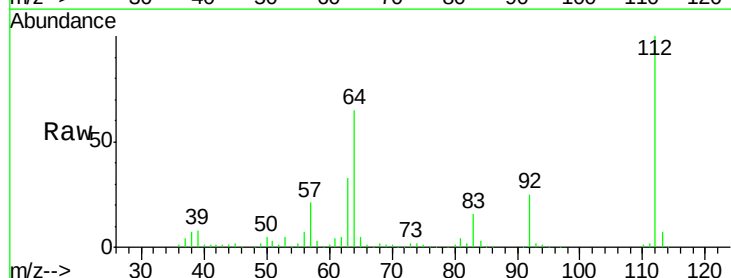
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



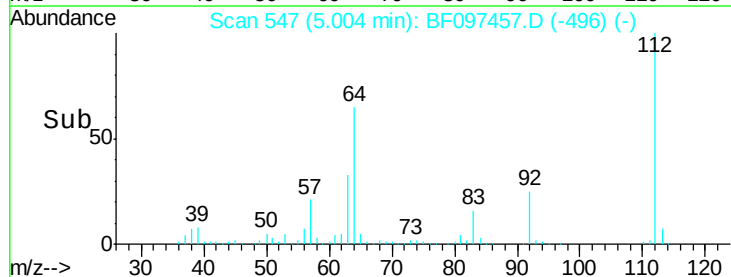
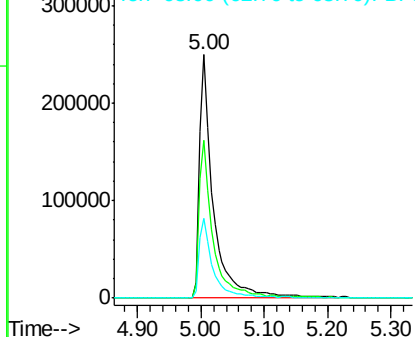
#5

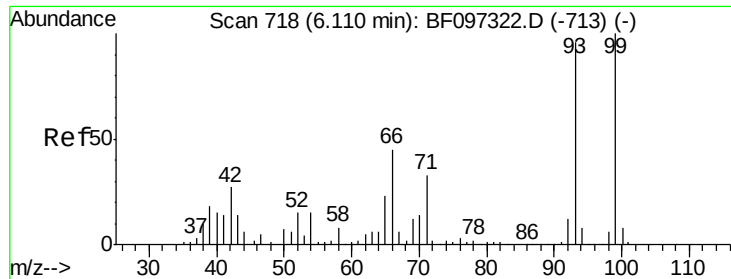
2-Fluorophenol
Concen: 59.00 ng
RT: 5.00 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF097457.D
Acq: 8 Aug 2017 5:04

Tgt Ion:112 Resp: 377636
Ion Ratio Lower Upper
112 100
64 65.0 46.0 69.0
63 32.5 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





#6

Aniline

Concen: 2.11 ng

RT: 6.16 min Scan# 743

Delta R.T. 0.08 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

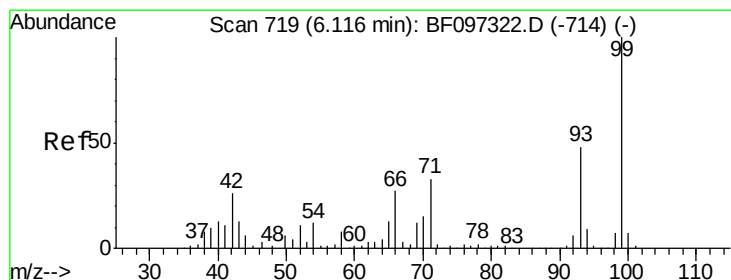
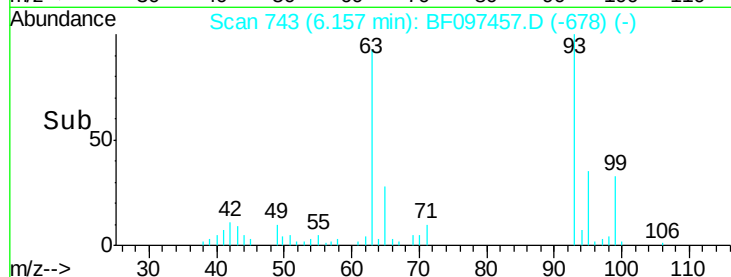
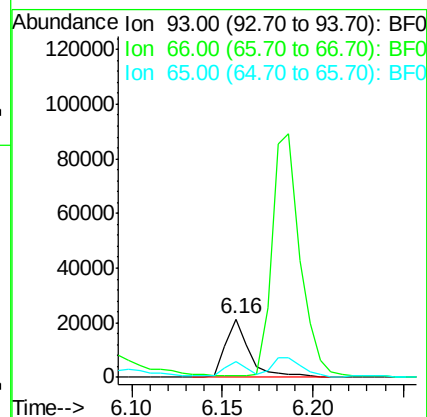
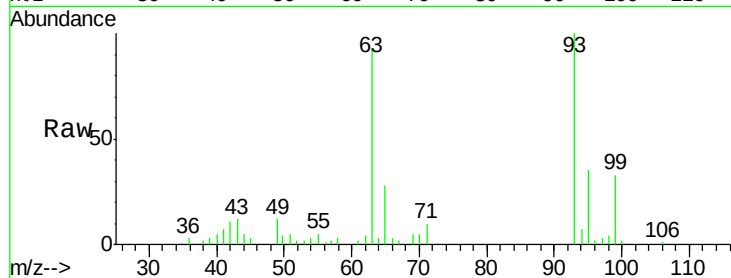
Tot Ion: 93 Resp: 19417

Ion Ratio Lower Upper

93 100

66 3.2 32.9 49.3#

65 27.9 16.0 24.0#



#7

Phenol-d6

Concen: 62.70 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

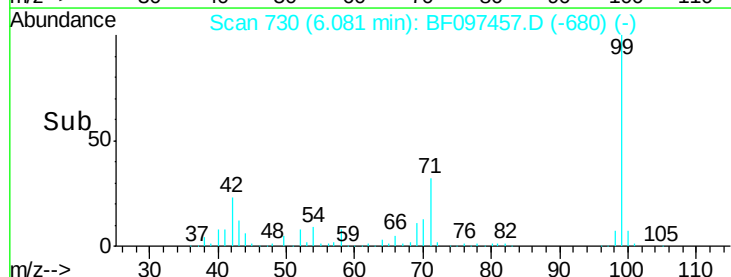
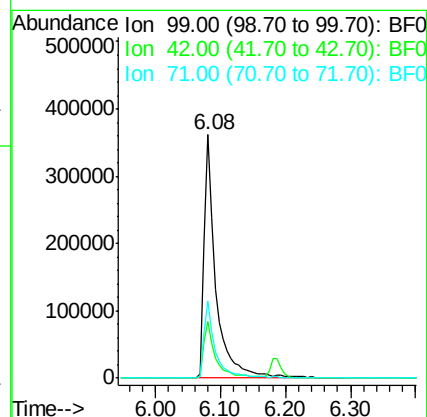
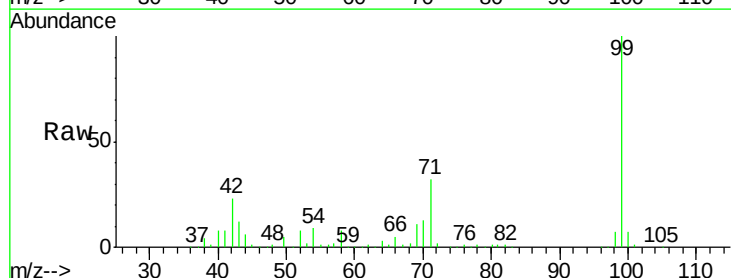
Tgt Ion: 99 Resp: 458106

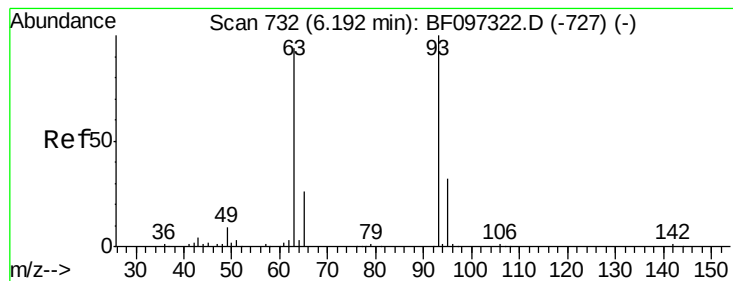
Ion Ratio Lower Upper

99 100

42 23.2 13.5 20.3#

71 31.9 24.5 36.7

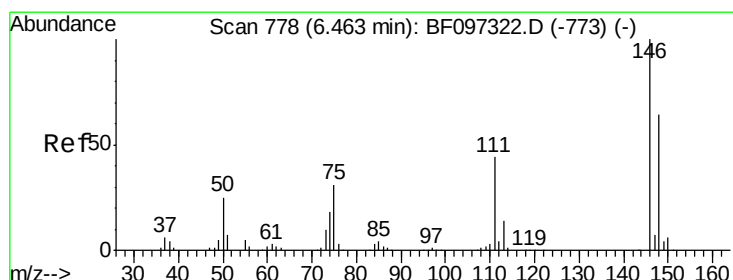
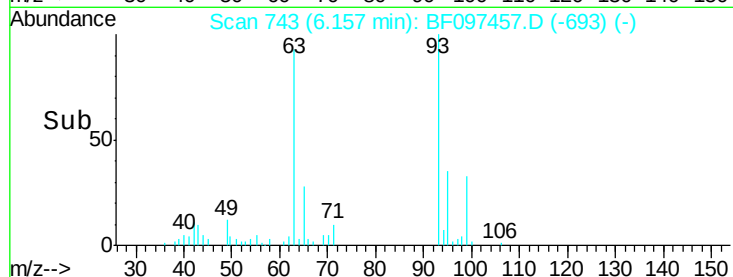
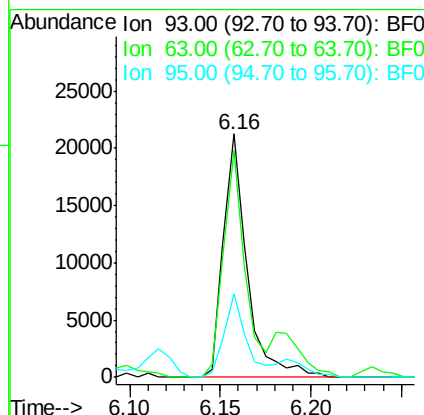
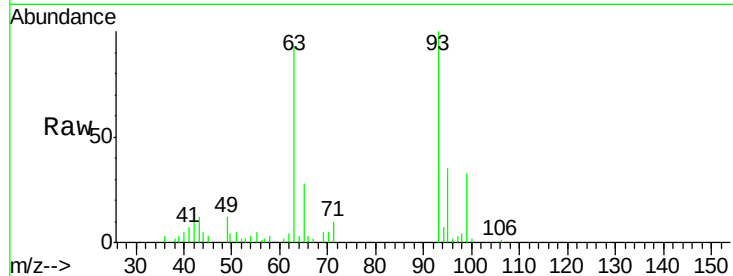




#11
 bis(2-Chloroethyl)ether
 Concen: 2.83 ng
 RT: 6.16 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

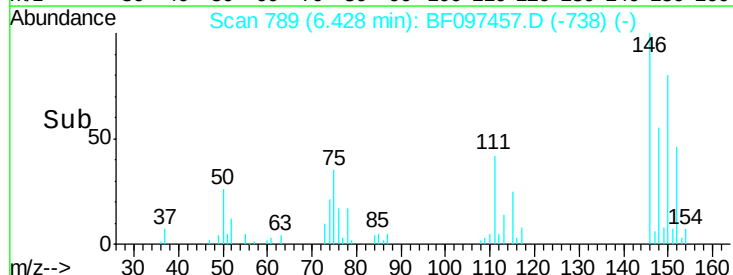
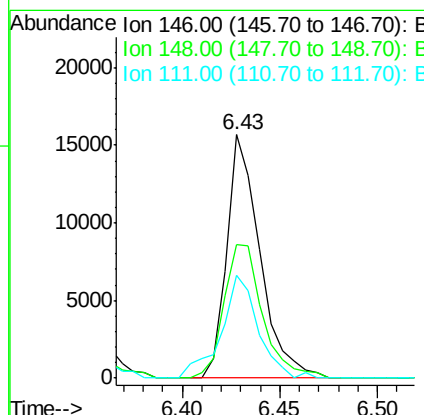
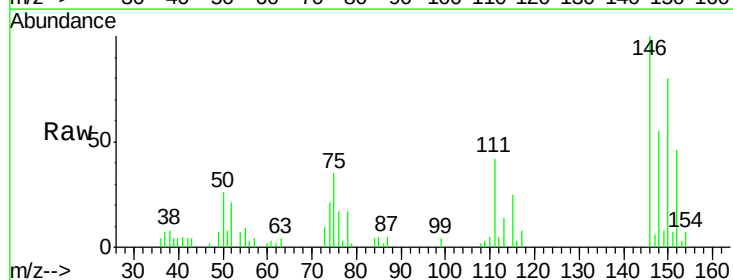
Instrument :
 BNA_F
 ClientSampleId :
 E2-O9-BASE

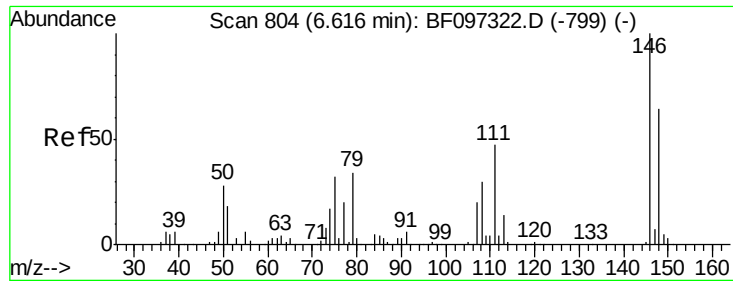
Tot Ion: 93 Resp: 19417
 Ion Ratio Lower Upper
 93 100
 63 93.0 59.2 99.2
 95 34.6 12.8 52.8



#13
 1,4-Dichlorobenzene
 Concen: 2.53 ng
 RT: 6.43 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

Tgt Ion: 146 Resp: 18497
 Ion Ratio Lower Upper
 146 100
 148 55.0 52.2 78.2
 111 42.2 30.3 45.5

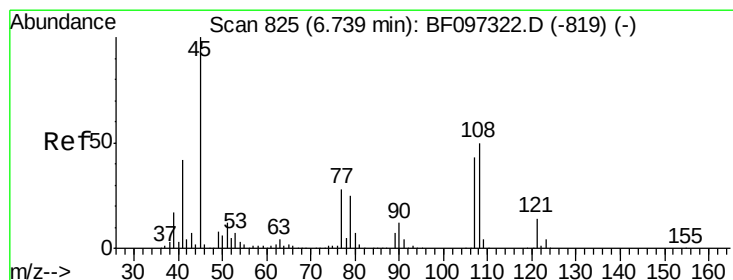
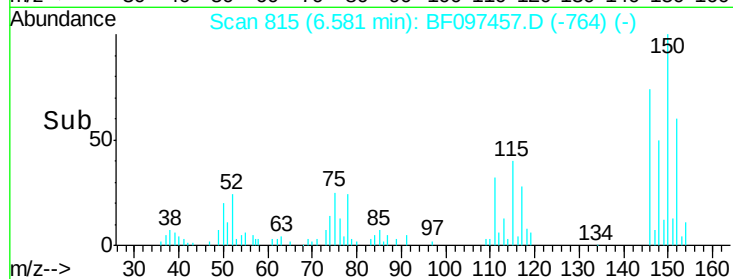
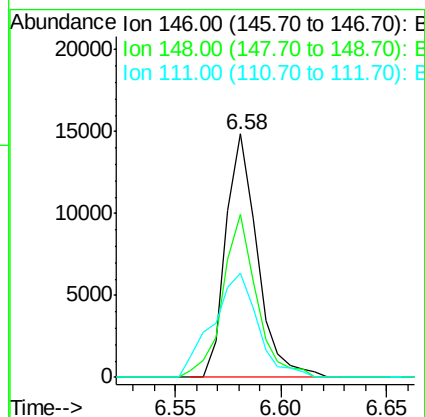
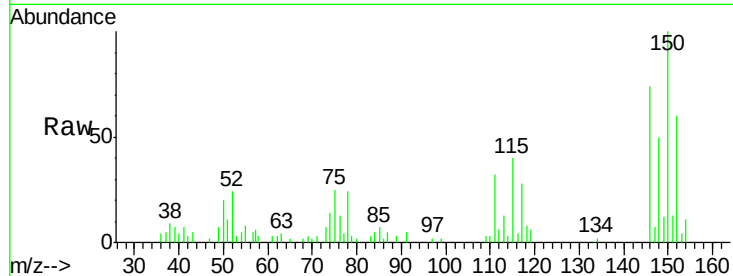




#14
 1,2-Dichlorobenzene
 Concen: 2.41 ng
 RT: 6.58 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

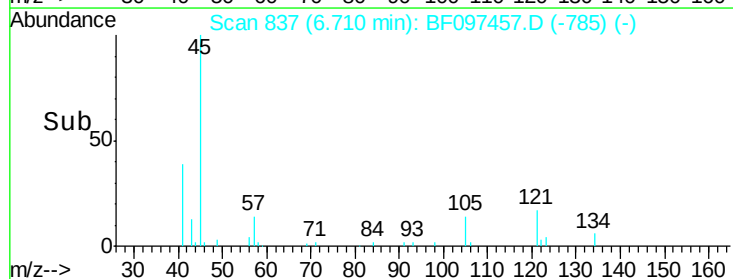
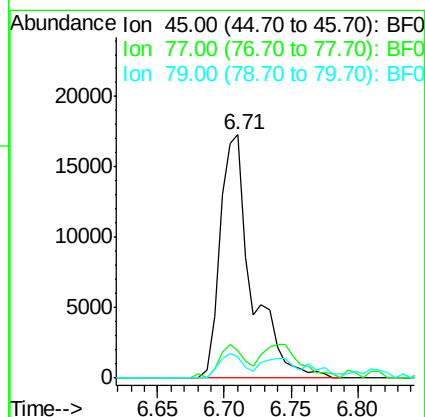
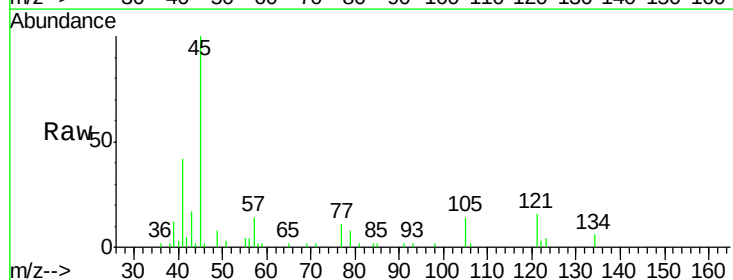
Instrument :
 BNA_F
 ClientSampleId :
 E2-O9-BASE

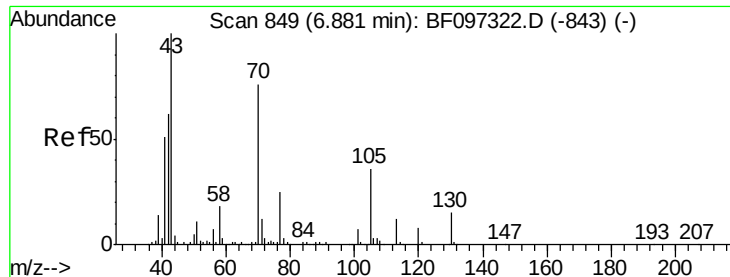
Tot Ion:146 Resp: 15352
 Ion Ratio Lower Upper
 146 100
 148 66.7 50.4 75.6
 111 43.0 38.2 57.4



#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 2.09 ng
 RT: 6.71 min Scan# 837
 Delta R.T. 0.01 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

Tgt Ion: 45 Resp: 28690
 Ion Ratio Lower Upper
 45 100
 77 11.2 0.0 33.2
 79 8.3 0.0 30.0

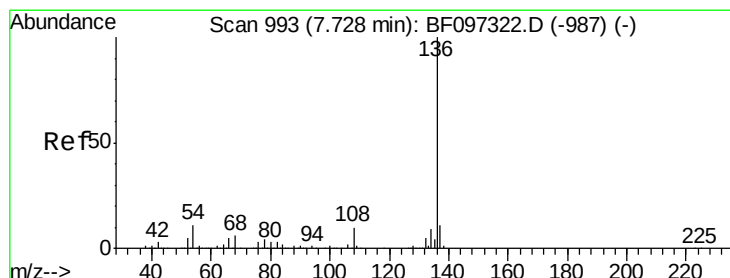
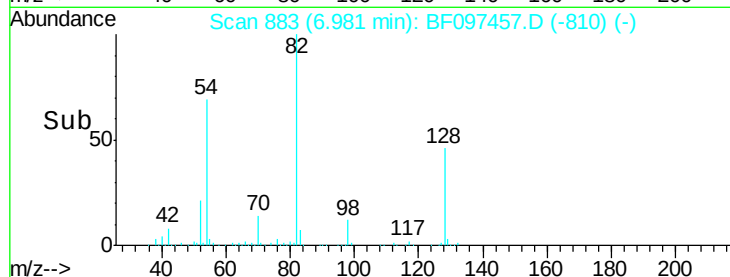
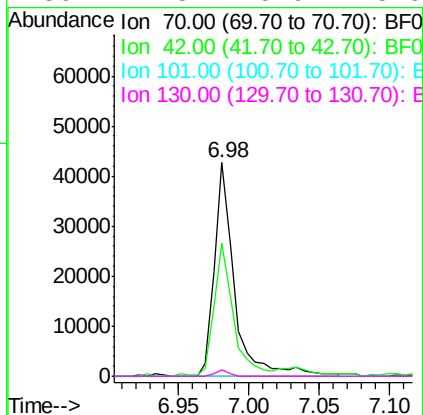
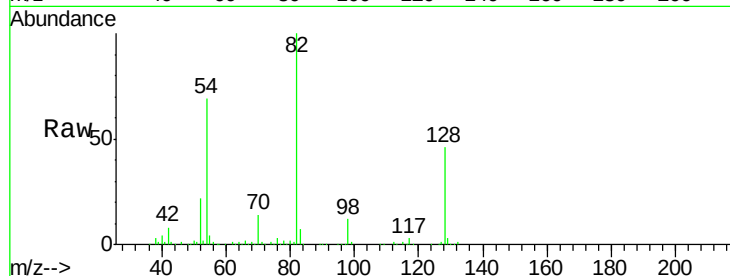




#19
n-Nitroso-di-n-propylamine
Concen: 8.83 ng
RT: 6.98 min Scan# 883
Delta R.T. 0.13 min
Lab File: BF097457.D
Acq: 8 Aug 2017 5:04

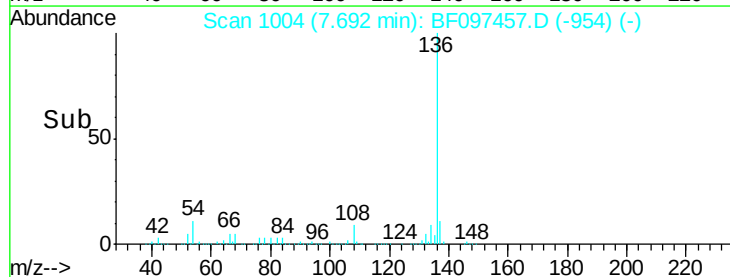
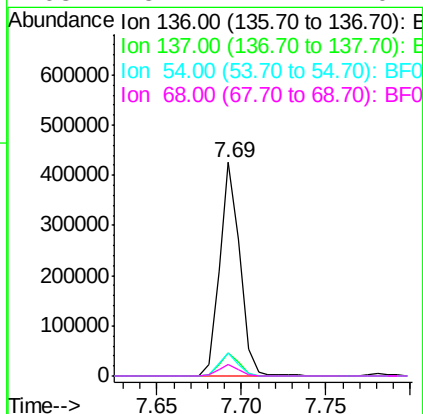
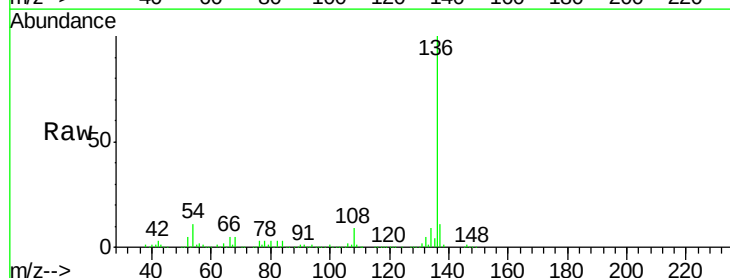
Instrument :
BNA_F
ClientSampleId :
E2-O9-BASE

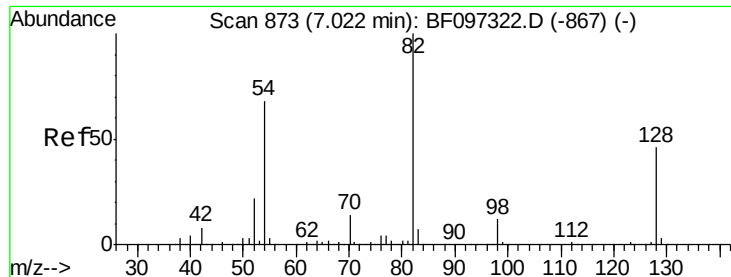
Tot Ion: 70 Resp: 42478
Ion Ratio Lower Upper
70 100
42 62.1 47.2 70.8
101 0.0 7.2 10.8#
130 2.8 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.69 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF097457.D
Acq: 8 Aug 2017 5:04

Tgt Ion: 136 Resp: 356010
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.8 4.9 7.3#
68 5.2 4.1 6.1

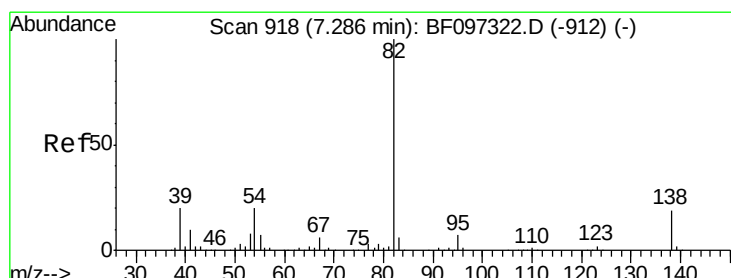
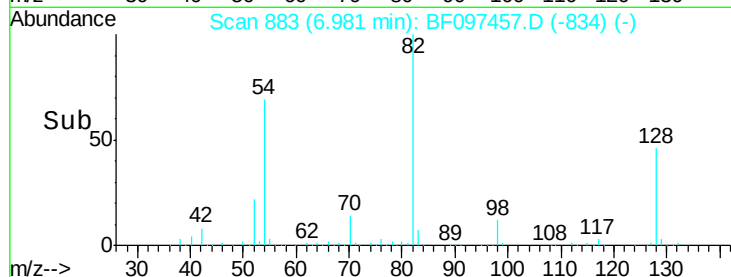
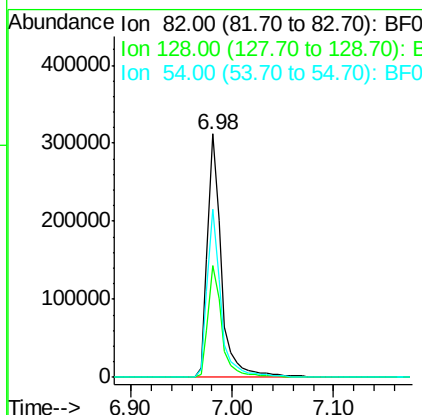
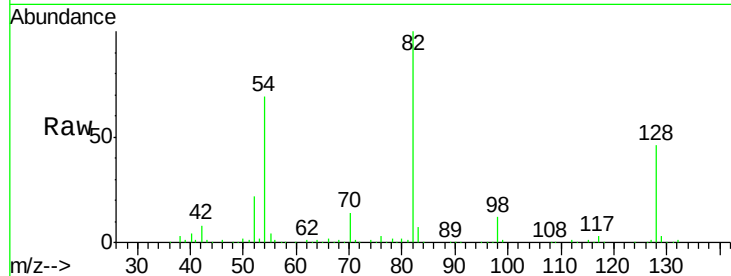




#23
 Nitrobenzene-d5
 Concen: 49.46 ng
 RT: 6.98 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

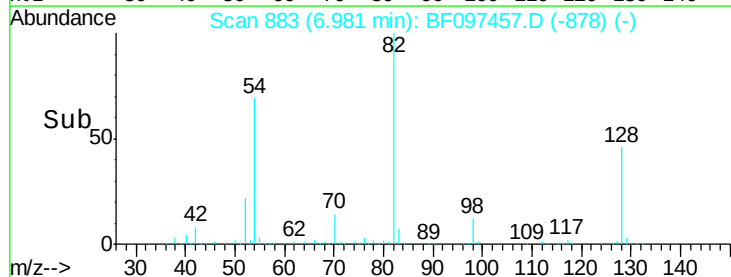
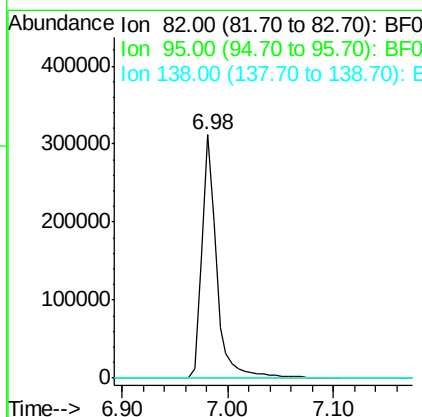
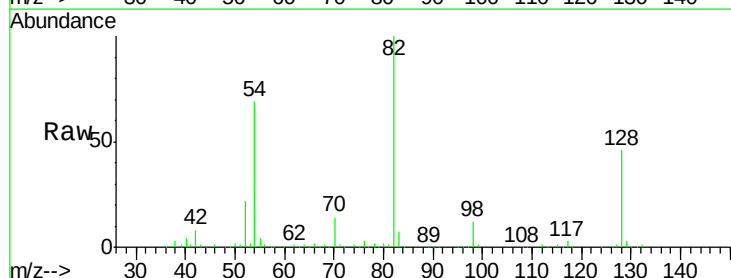
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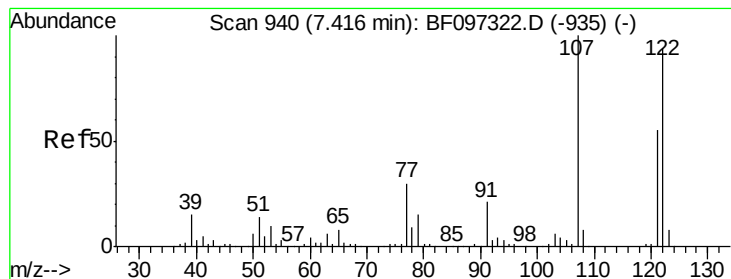
Tot Ion: 82 Resp: 300178
 Ion Ratio Lower Upper
 82 100
 128 46.0 34.0 51.0
 54 69.0 42.2 63.2#



#25
 Isophorone
 Concen: 25.26 ng
 RT: 6.98 min Scan# 883
 Delta R.T. -0.27 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

Tgt Ion: 82 Resp: 300175
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.3 7.9#
 138 0.0 13.1 19.7#





#27

2,4-Dimethylphenol

Concen: 2.13 ng

RT: 7.40 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

Instrument :

BNA_F

ClientSampled :

E2-O9-BASE

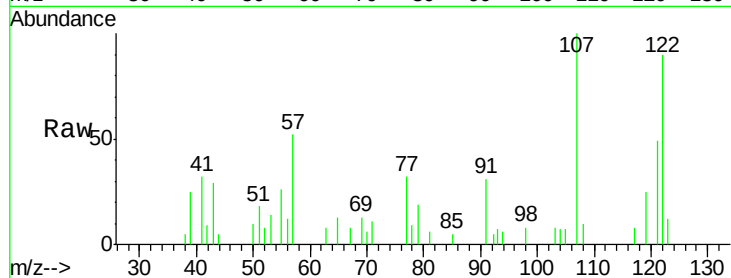
Tot Ion:122 Resp: 11995

Ion Ratio Lower Upper

122 100

107 111.6 89.2 133.8

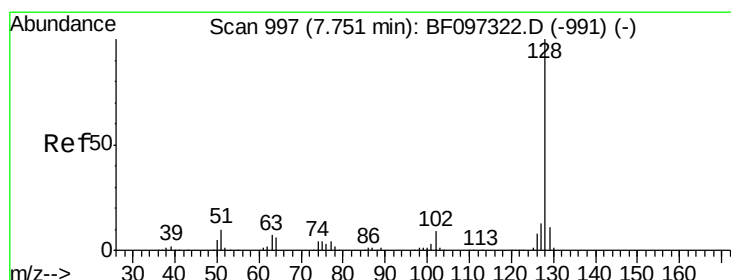
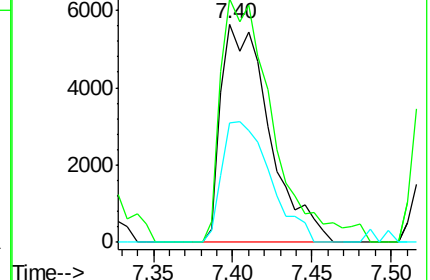
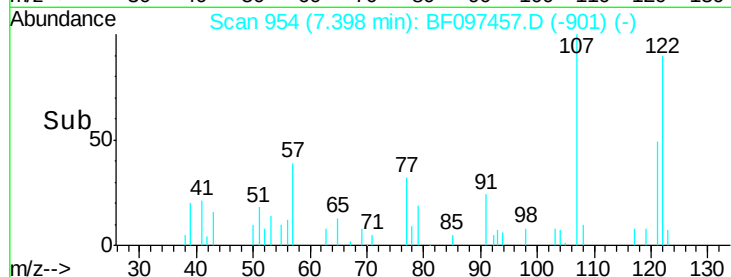
121 54.8 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 12.31 ng

RT: 7.72 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

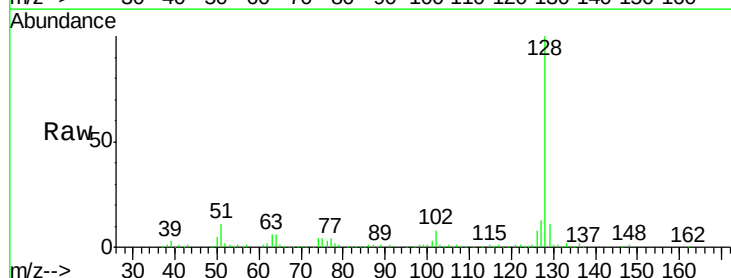
Tgt Ion:128 Resp: 206581

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

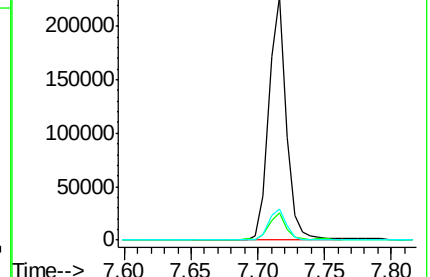
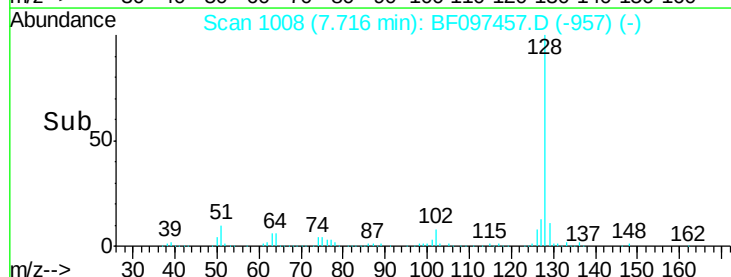
127 12.8 10.8 16.2

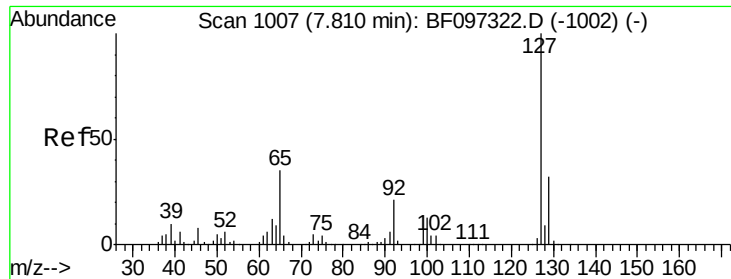


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

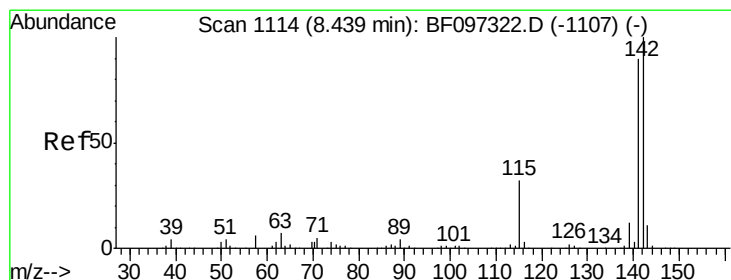
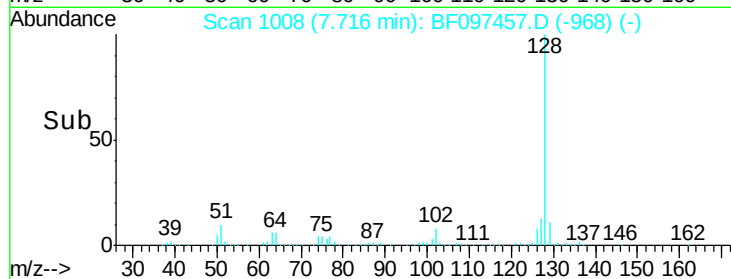
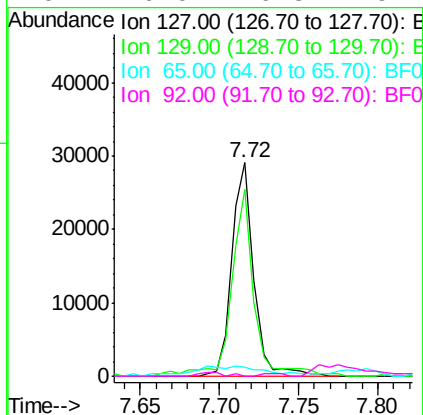
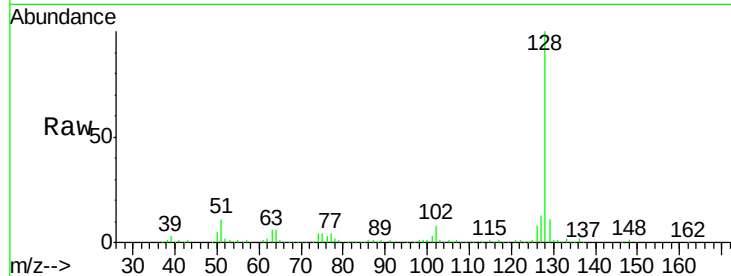




#33
4-Chloroaniline
Concen: 4.09 ng
RT: 7.72 min Scan# 1008
Delta R.T. -0.06 min
Lab File: BF097457.D
Acq: 8 Aug 2017 5:04

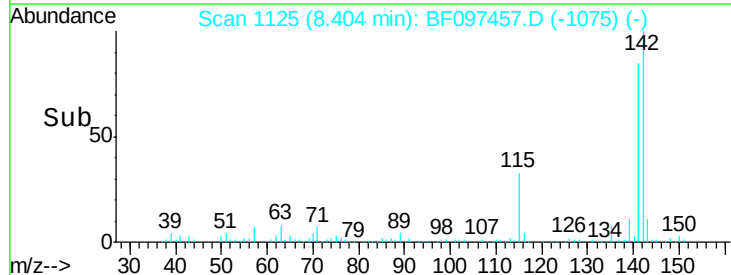
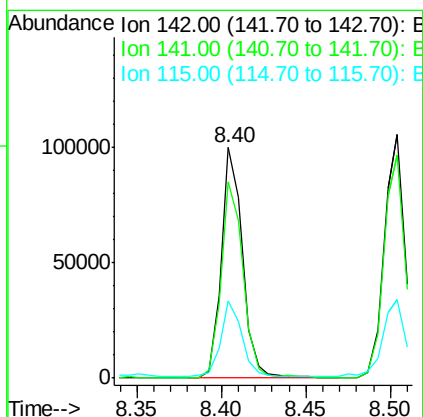
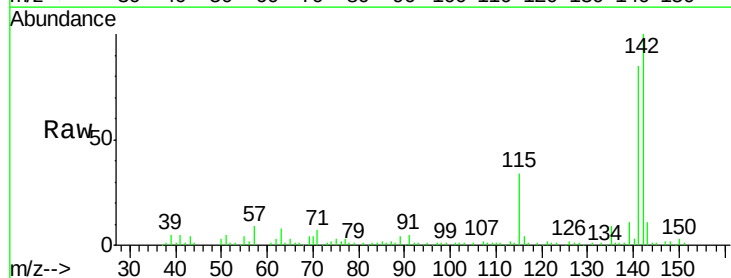
Instrument :
BNA_F
ClientSampleId :
E2-O9-BASE

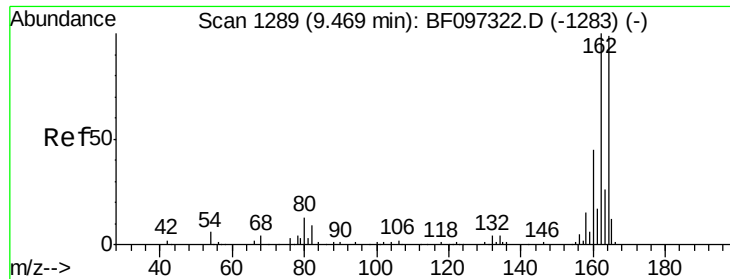
Tot Ion	Ratio	Lower	Upper
127	100		
129	87.4	26.2	39.2#
65	4.3	27.8	41.8#
92	0.0	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 8.25 ng
RT: 8.40 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF097457.D
Acq: 8 Aug 2017 5:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.0	71.3	106.9
115	33.6	27.1	40.7

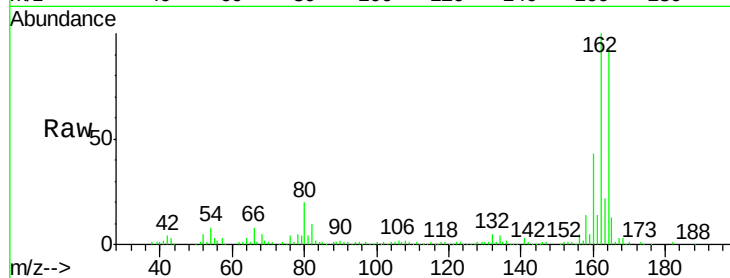




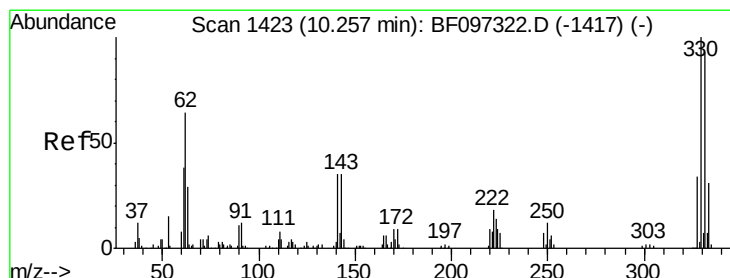
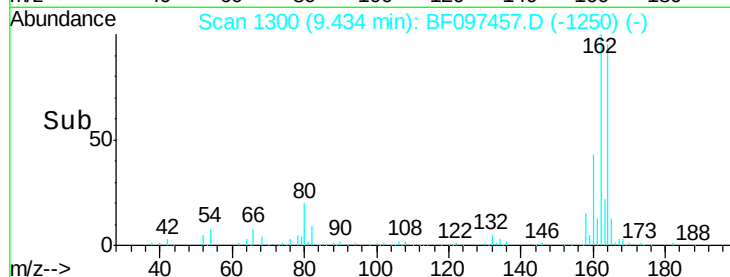
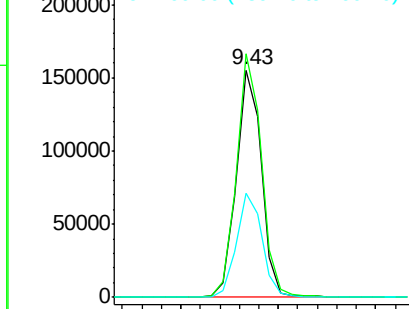
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

Instrument :
 BNA_F
 ClientSampleId :
 E2-O9-BASE

Tot Ion:164 Resp: 138154
 Ion Ratio Lower Upper
 164 100
 162 107.0 82.6 123.8
 160 45.6 36.2 54.2

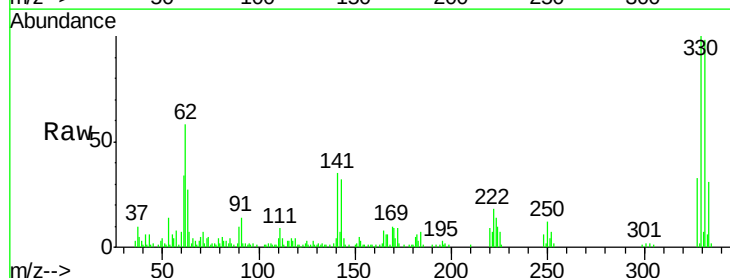


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

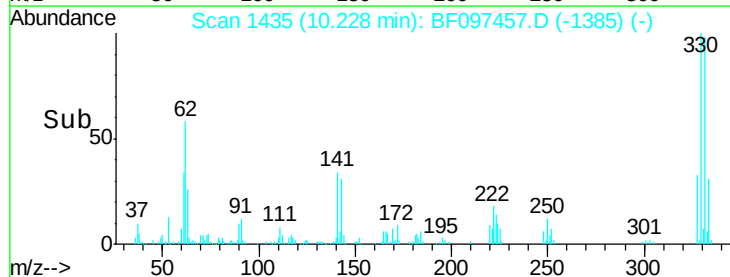
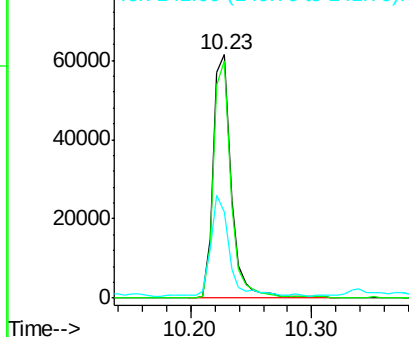


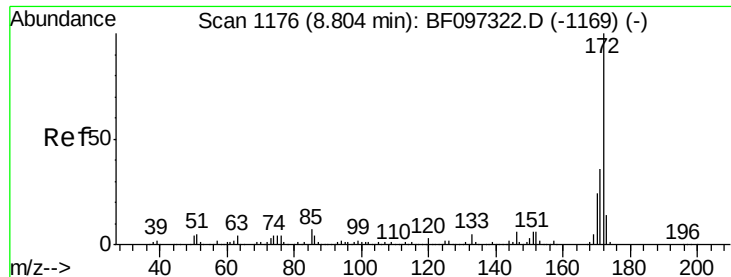
#41
 2,4,6-Tribromophenol
 Concen: 57.87 ng
 RT: 10.23 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

Tgt Ion:330 Resp: 63164
 Ion Ratio Lower Upper
 330 100
 332 94.7 76.6 115.0
 141 43.5 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

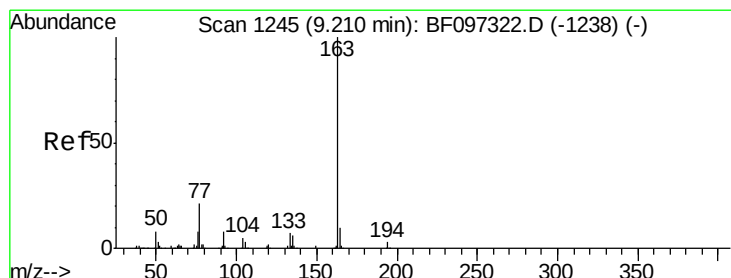
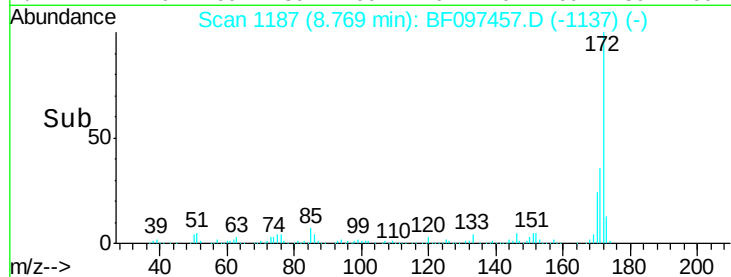
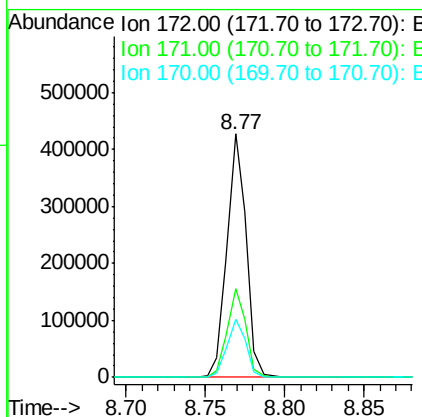
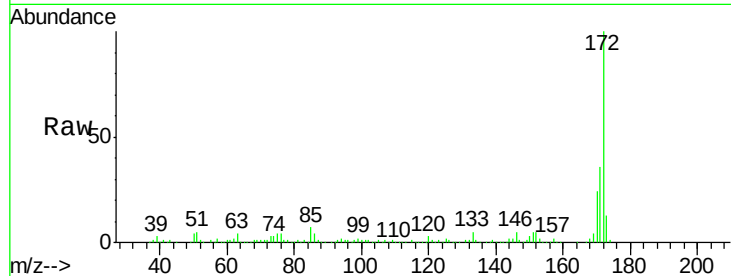




#44
2-Fluorobiphenyl
Concen: 44.06 ng
RT: 8.77 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF097457.D
Acq: 8 Aug 2017 5:04

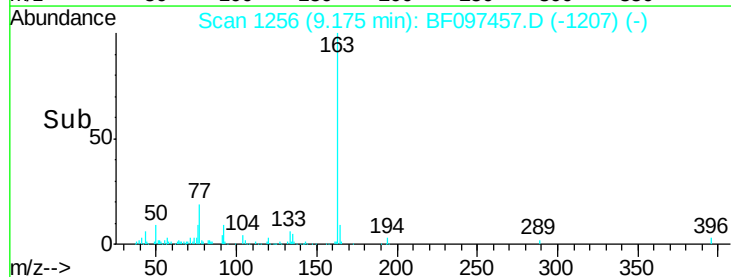
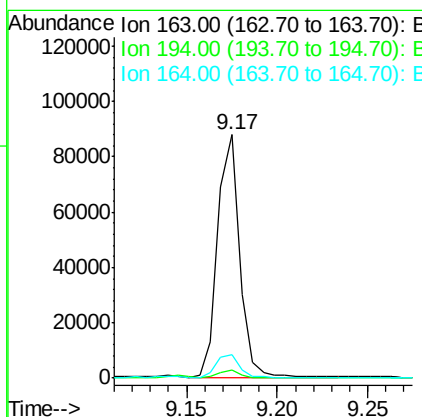
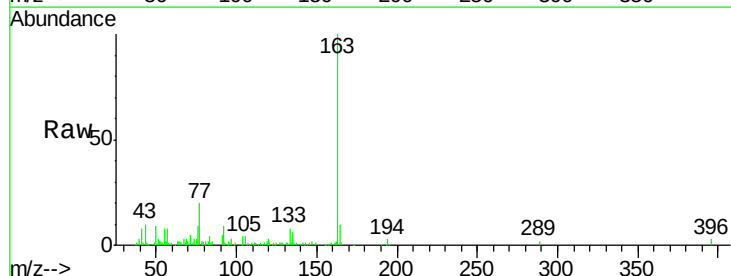
Instrument :
BNA_F
ClientSampled :
E2-O9-BASE

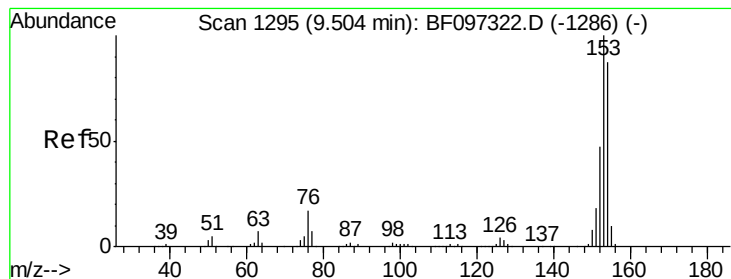
Tot Ion:172 Resp: 358653
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.7 19.8 29.8



#49
Dimethylphthalate
Concen: 7.22 ng
RT: 9.17 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF097457.D
Acq: 8 Aug 2017 5:04

Tgt Ion:163 Resp: 75742
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.8 8.4 12.6





#51

Acenaphthene

Concen: 2.58 ng

RT: 9.47 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

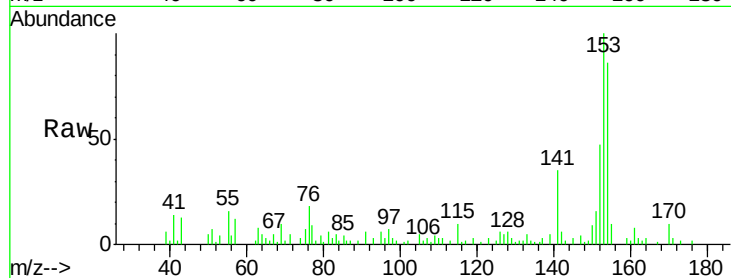
Tot Ion:154 Resp: 20225

Ion Ratio Lower Upper

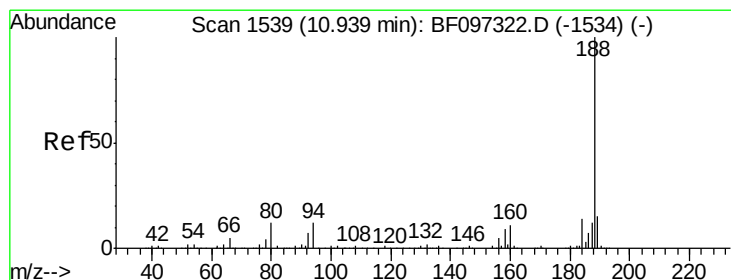
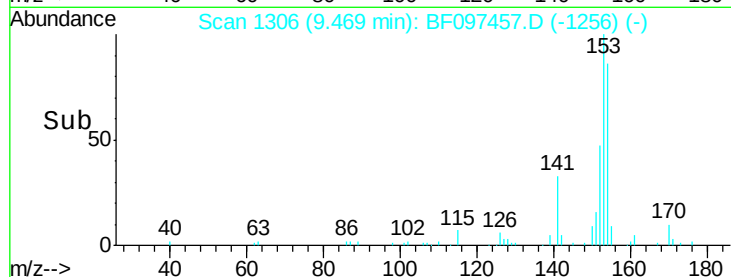
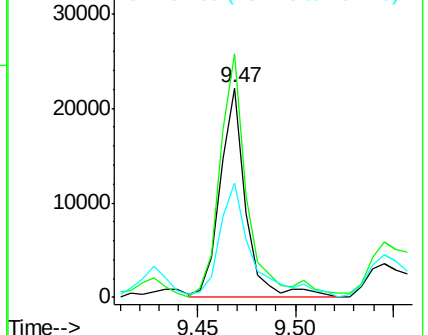
154 100

153 116.4 90.5 135.7

152 54.6 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.91 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

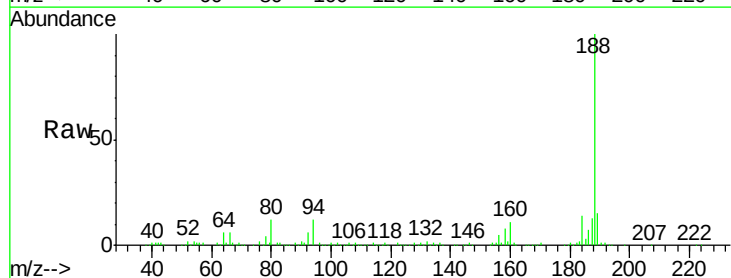
Tgt Ion:188 Resp: 224911

Ion Ratio Lower Upper

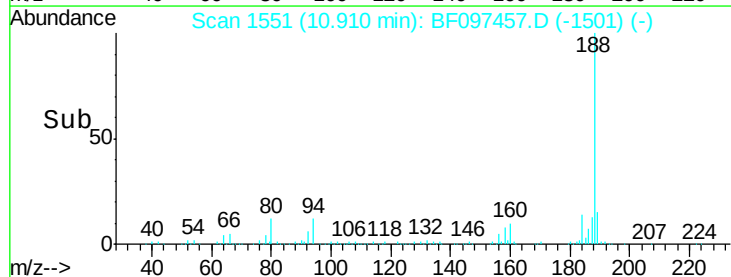
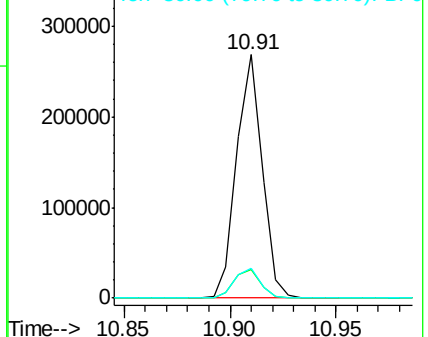
188 100

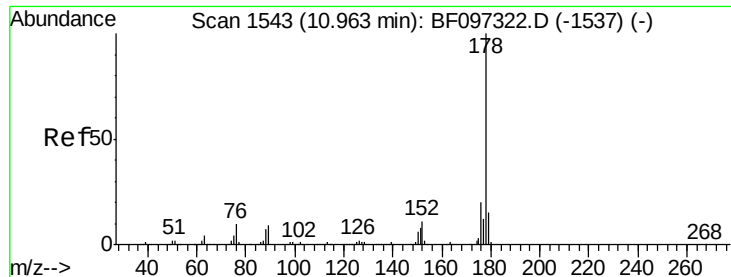
94 11.7 9.4 14.2

80 12.5 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





#70

Phenanthrene

Concen: 3.52 ng

RT: 10.93 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

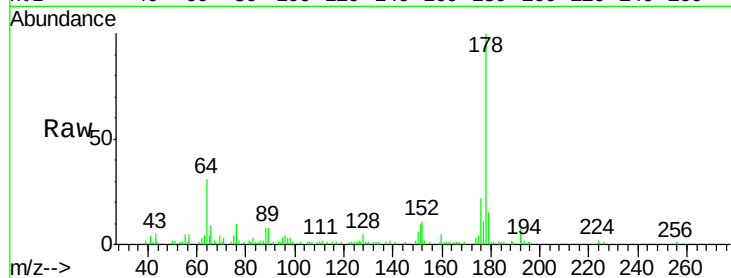
Tot Ion:178 Resp: 42388

Ion Ratio Lower Upper

178 100

176 21.6 16.2 24.4

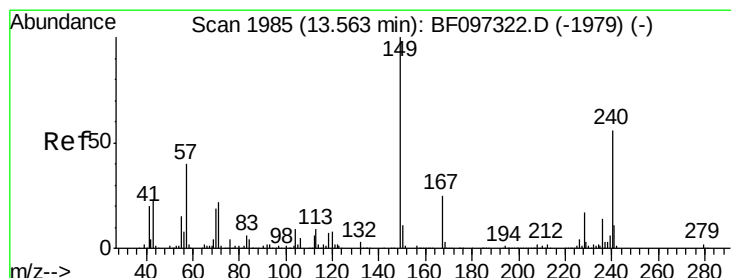
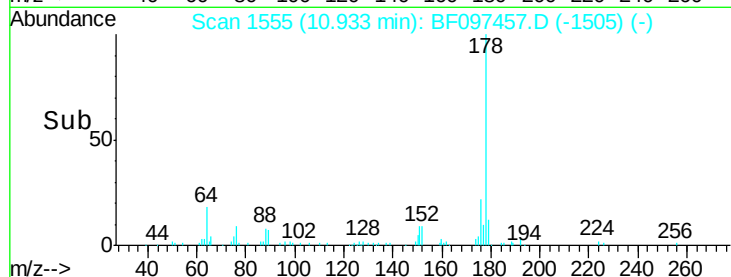
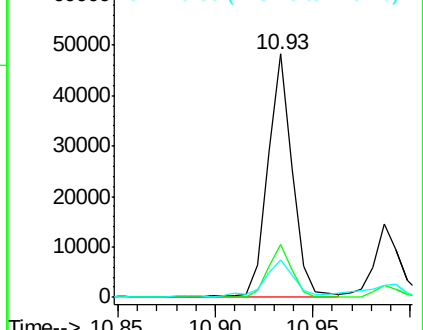
179 15.4 12.6 19.0



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

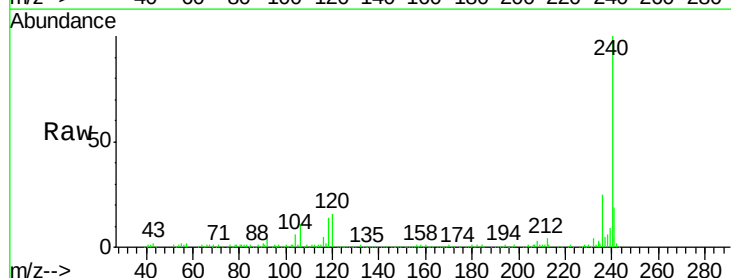
Tgt Ion:240 Resp: 211675

Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

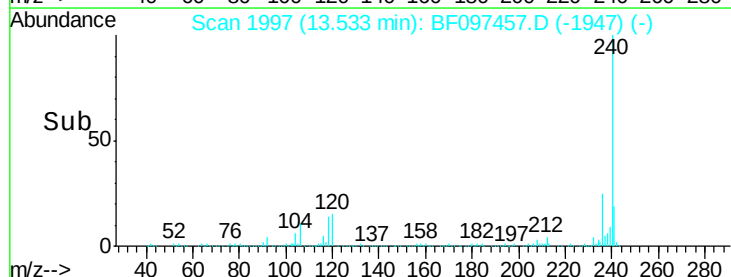
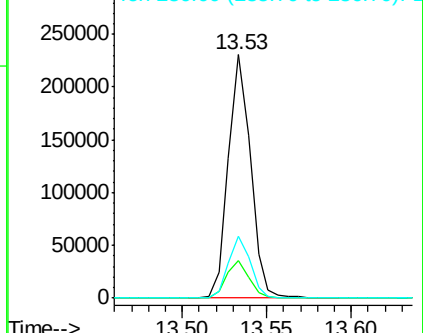
236 25.2 20.5 30.7

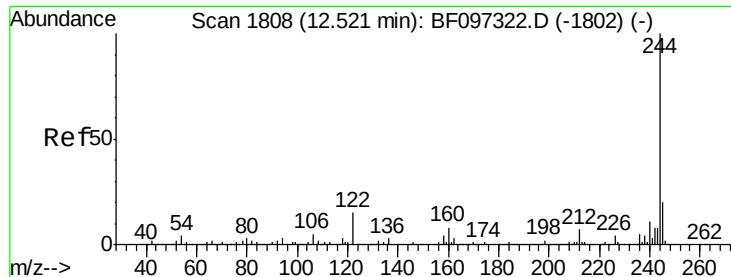


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

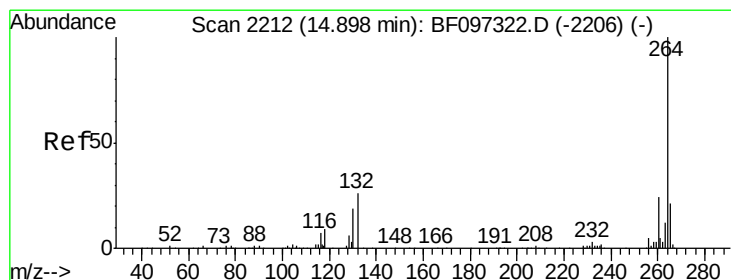
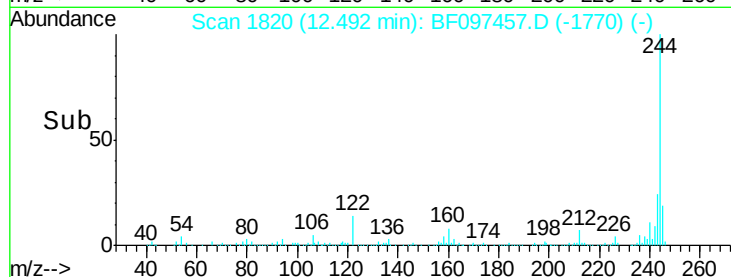
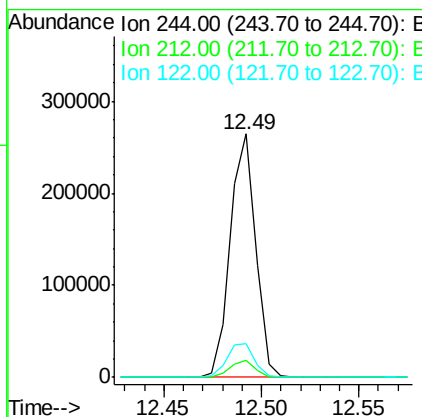
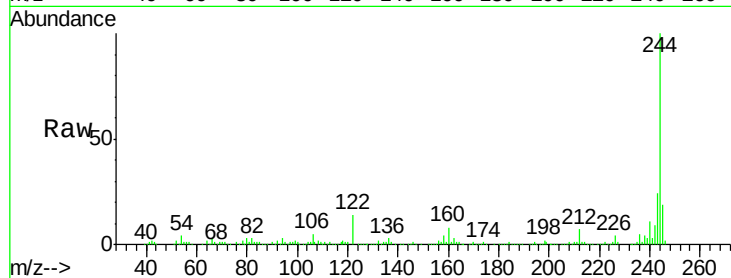




#78
 Terphenyl-d14
 Concen: 23.01 ng
 RT: 12.49 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

Instrument :
 BNA_F
 ClientSampleId :
 E2-O9-BASE

Tot Ion:244 Resp: 238913
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.6 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.87 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

Tgt Ion:264 Resp: 142391
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.5 29.3
 265 21.1 17.2 25.8

