

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097062.D
 Acq On : 26 Jul 2017 7:29
 Operator : SJ/JU
 Sample : I4370-05
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N6-BASE

Quant Time: Jul 26 07:52:35 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

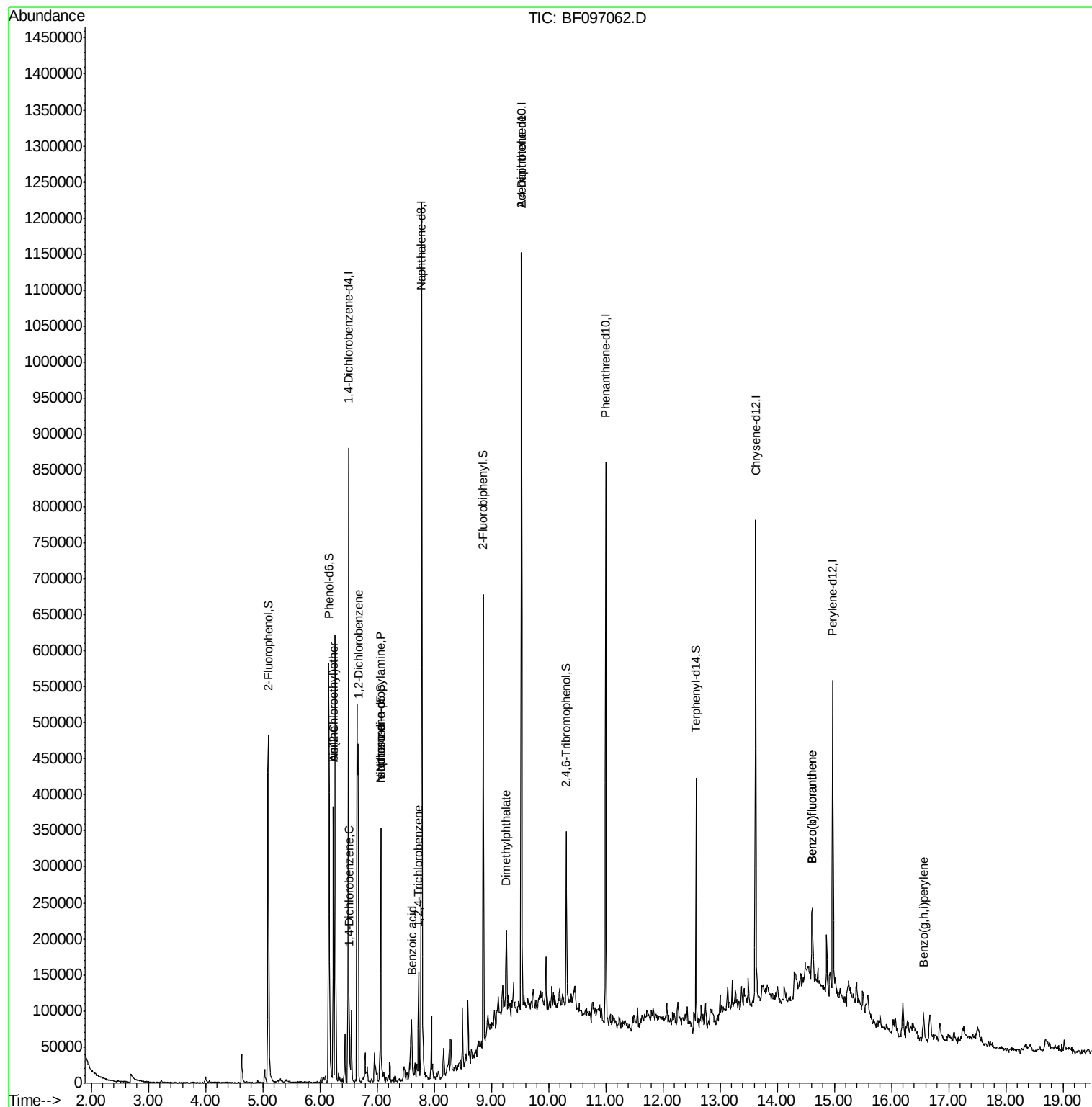
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	119378	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	496286	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	190886	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	258812	20.00	ng	0.00
75) Chrysene-d12	13.62	240	223358	20.00	ng	0.00
86) Perylene-d12	14.97	264	161802	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	157300	19.86	ng	0.00
7) Phenol-d6	6.16	99	192525	21.30	ng	-0.01
23) Nitrobenzene-d5	7.06	82	94725	11.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	25504	16.91	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	170567	15.16	ng	-0.01
78) Terphenyl-d14	12.58	244	88321	8.06	ng	0.00
Target Compounds						
6) Aniline	6.23	93	112026	9.85	ng	Qvalue # 52
11) bis(2-Chloroethyl)ether	6.23	93	112026	13.21	ng	88
13) 1,4-Dichlorobenzene	6.52	146	22008	2.43	ng	92
14) 1,2-Dichlorobenzene	6.67	146	103144	13.06	ng	96
19) n-Nitroso-di-n-propylamine	7.06	70	12396	2.08	ng	# 87
25) Isophorone	7.06	82	94611	5.71	ng	# 67
30) 1,2,4-Trichlorobenzene	7.73	180	22585	3.50	ng	96
32) Benzoic acid	7.60	122	26054	4.44	ng	# 15
49) Dimethylphthalate	9.26	163	38801	2.68	ng	99
56) 2,4-Dinitrotoluene	9.53	165	24342	6.89	ng	# 34
87) Benzo(b)fluoranthene	14.62	252	45948	4.72	ng	# 95
88) Benzo(k)fluoranthene	14.62	252	45948	4.96	ng	98
91) Benzo(a,h,i)perylene	16.56	276	25282	3.30	ng	98

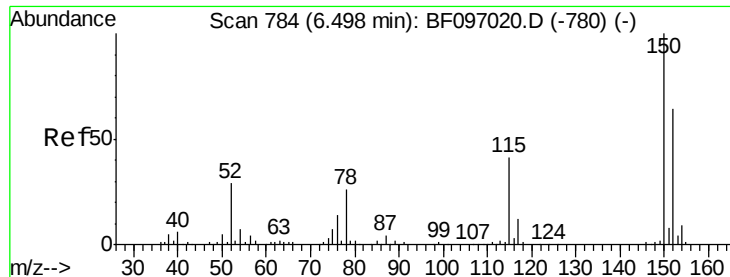
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 784

Delta R.T. -0.00 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

Instrument :

BNA_F

ClientSampleId :

E2-N6-BASE

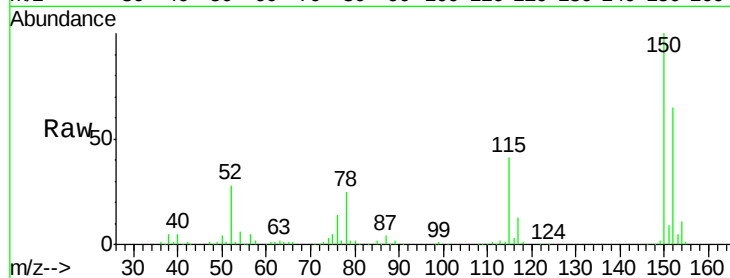
Tot Ion:152 Resp: 119378

Ion Ratio Lower Upper

152 100

150 153.9 126.2 189.2

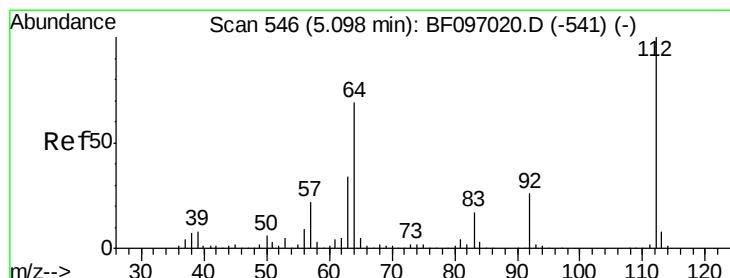
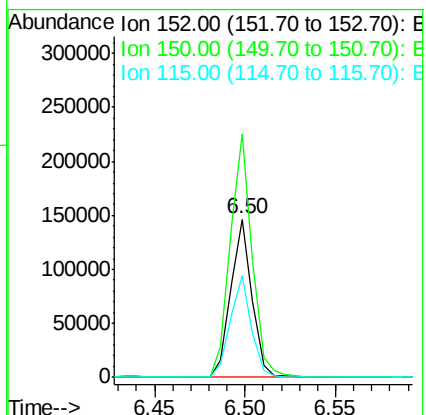
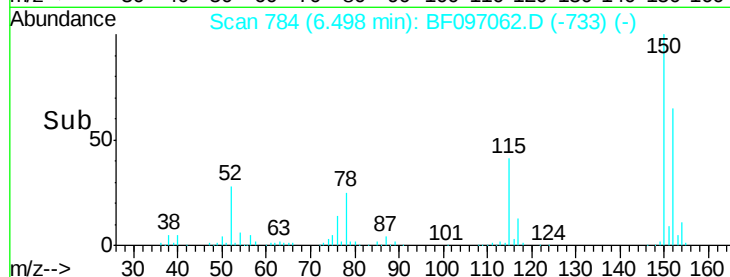
115 63.9 52.2 78.2



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: 19.86 ng

RT: 5.10 min Scan# 546

Delta R.T. 0.00 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

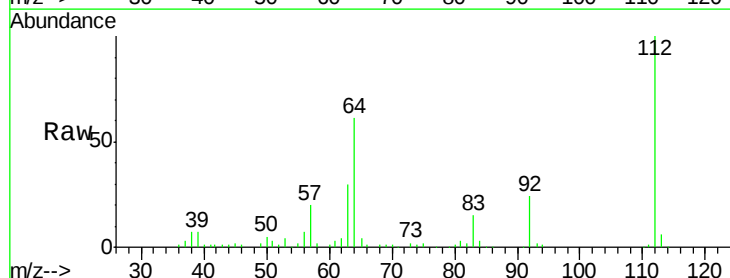
Tgt Ion:112 Resp: 157300

Ion Ratio Lower Upper

112 100

64 61.4 46.0 69.0

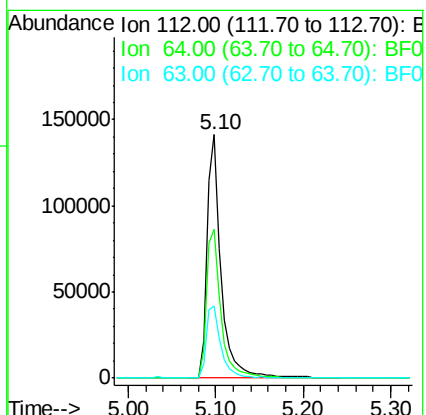
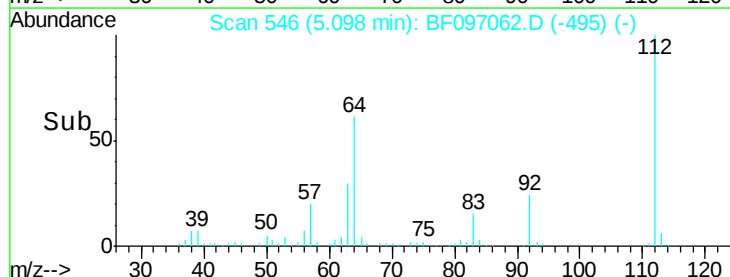
63 29.8 23.4 35.0

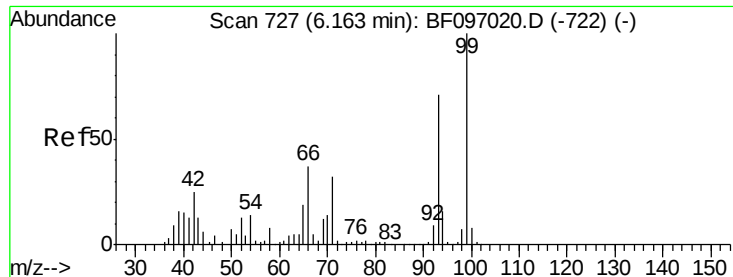


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 9.85 ng

RT: 6.23 min Scan# 739

Delta R.T. 0.07 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

Instrument :

BNA_F

ClientSampleId :

E2-N6-BASE

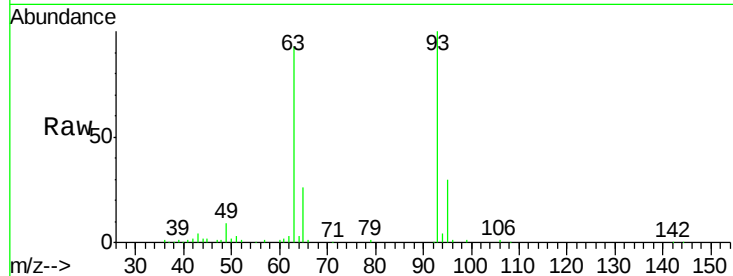
Tot Ion: 93 Resp: 112026

Ion Ratio Lower Upper

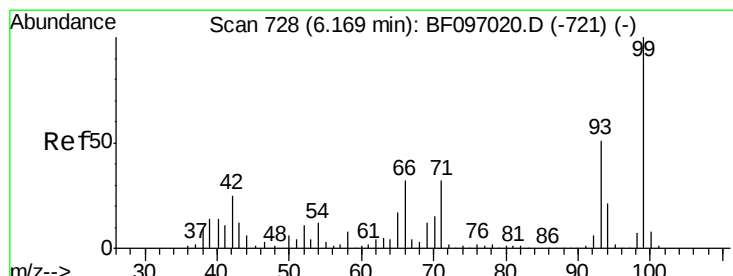
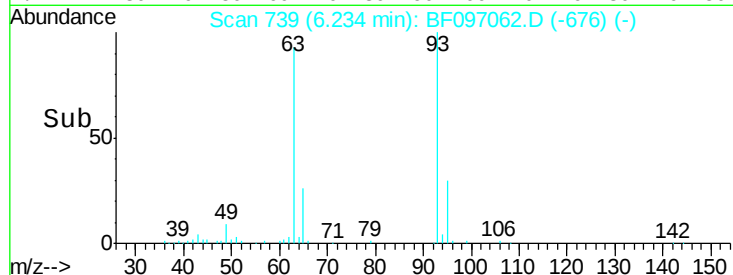
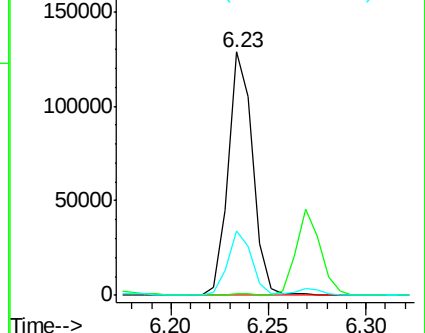
93 100

66 0.5 32.9 49.3#

65 26.2 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 21.30 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

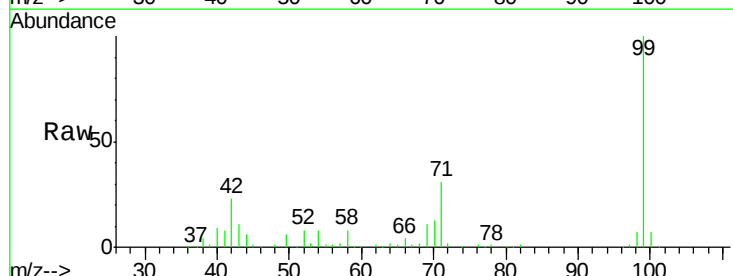
Tgt Ion: 99 Resp: 192525

Ion Ratio Lower Upper

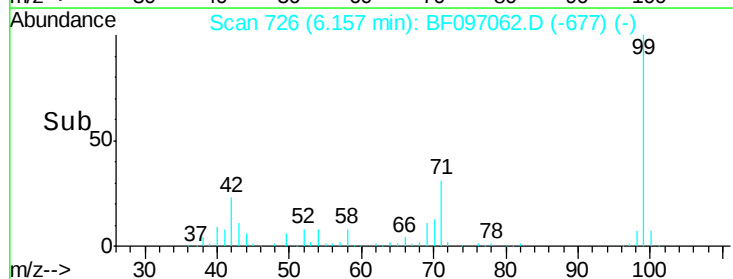
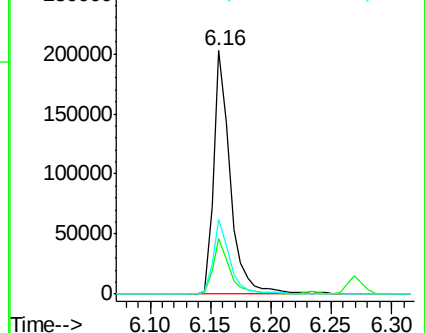
99 100

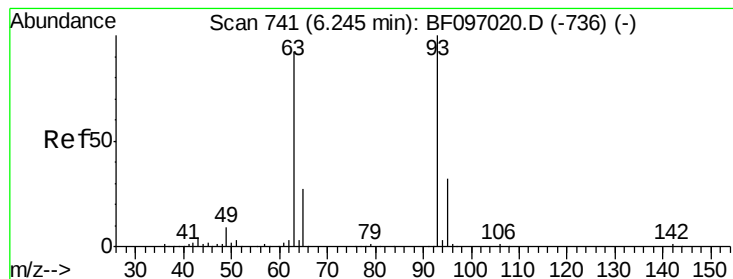
42 22.5 13.5 20.3#

71 30.8 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: 13.21 ng

RT: 6.23 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

Instrument :

BNA_F

ClientSampleId :

E2-N6-BASE

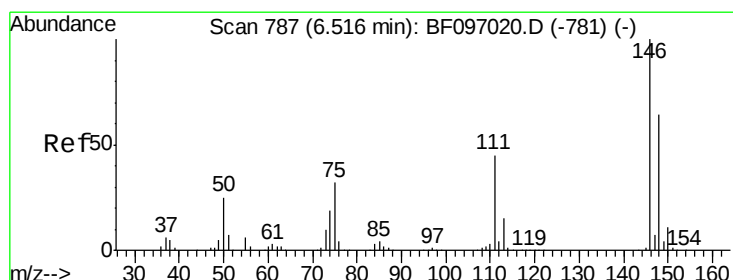
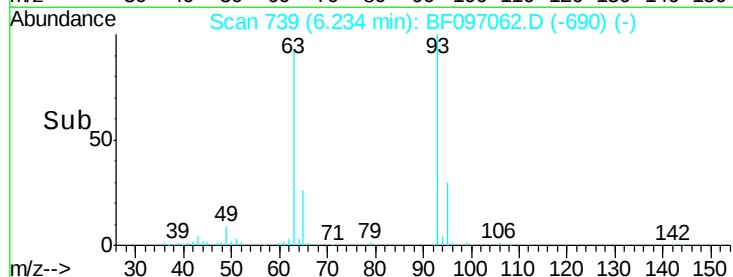
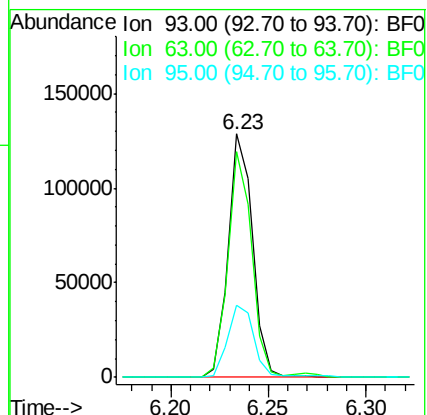
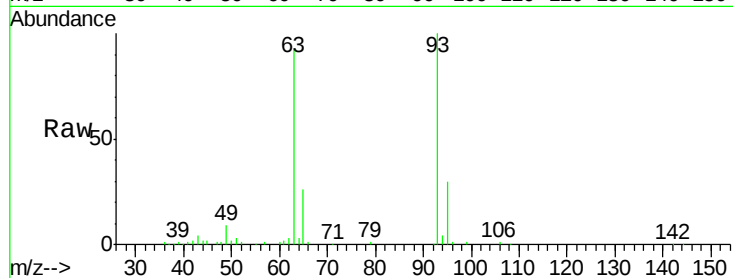
Tot Ion: 93 Resp: 112026

Ion Ratio Lower Upper

93 100

63 92.6 59.2 99.2

95 29.9 12.8 52.8



#13

1,4-Dichlorobenzene

Concen: 2.43 ng

RT: 6.52 min Scan# 787

Delta R.T. -0.00 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

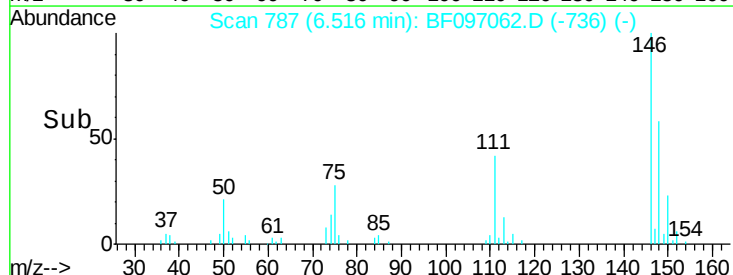
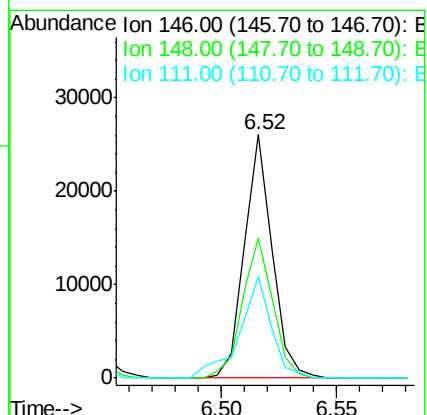
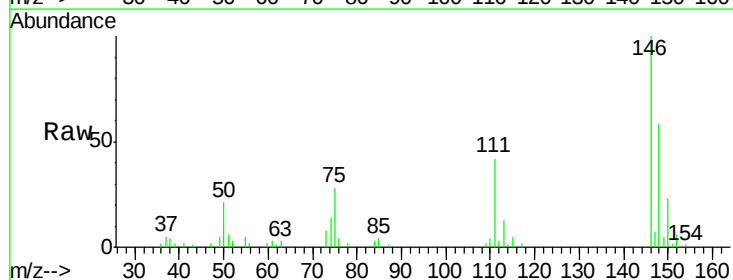
Tgt Ion: 146 Resp: 22008

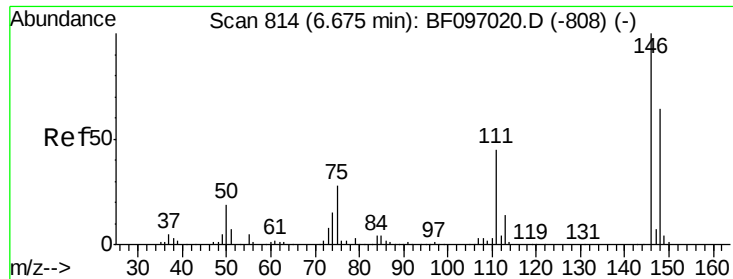
Ion Ratio Lower Upper

146 100

148 57.6 52.2 78.2

111 41.6 30.3 45.5





#14

1,2-Dichlorobenzene

Concen: 13.06 ng

RT: 6.67 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

Instrument :

BNA_F

ClientSampleId :

E2-N6-BASE

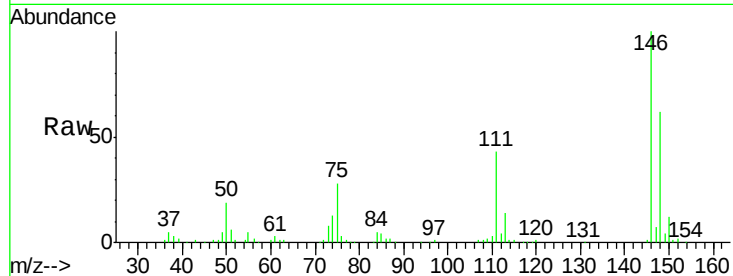
Tot Ion:146 Resp: 103144

Ion Ratio Lower Upper

146 100

148 62.0 50.4 75.6

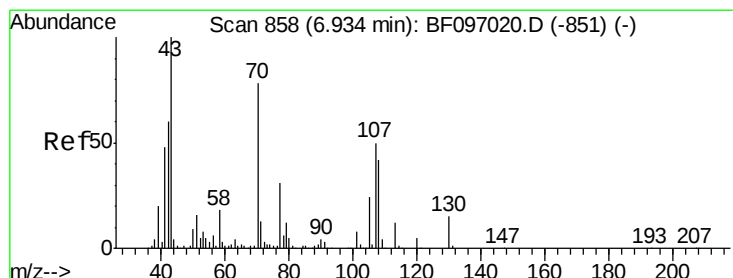
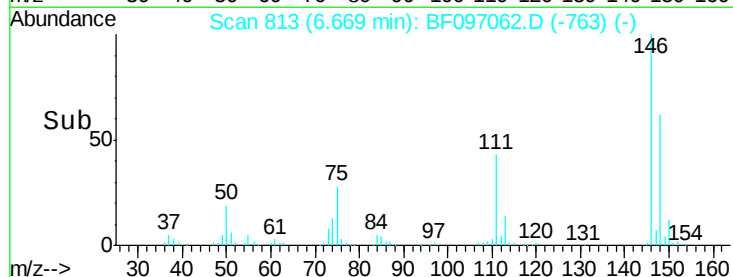
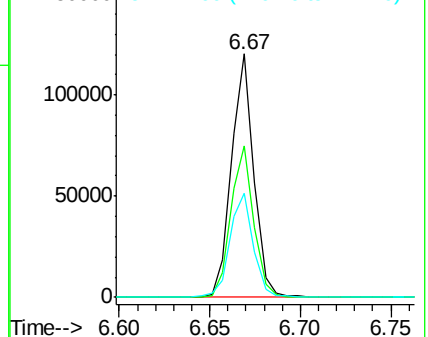
111 43.0 38.2 57.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.08 ng

RT: 7.06 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

Tgt Ion: 70 Resp: 12396

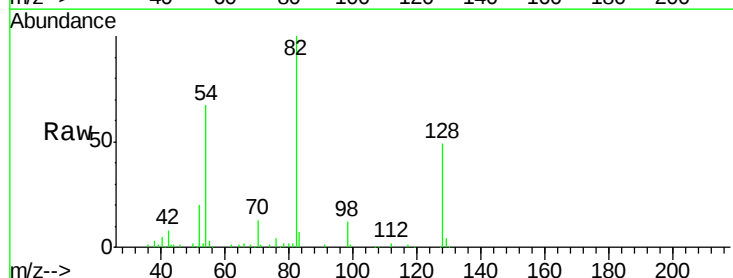
Ion Ratio Lower Upper

70 100

42 61.4 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

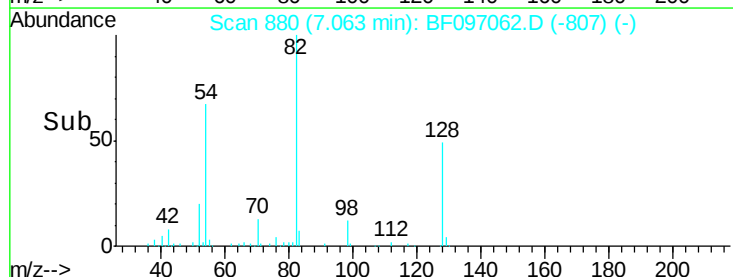
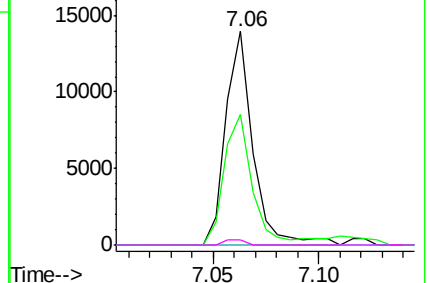


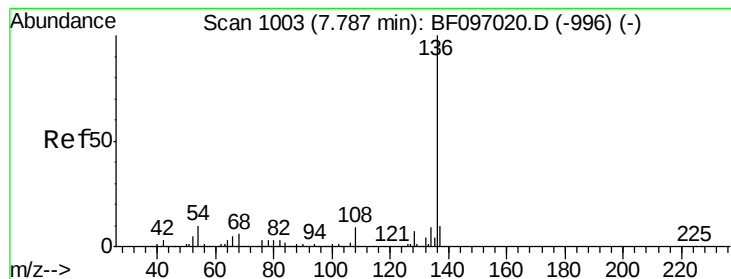
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

Instrument :

BNA_F

ClientSampleId :

E2-N6-BASE

Tot Ion:136 Resp: 496286

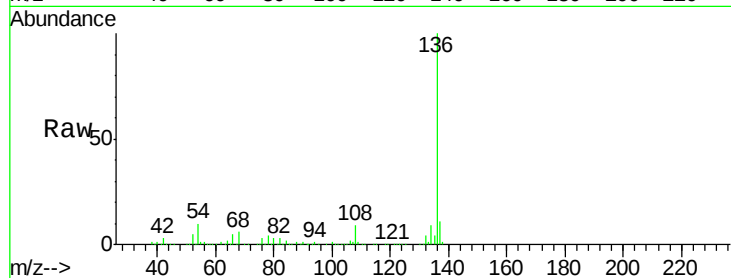
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 10.3 4.9 7.3#

68 5.7 4.1 6.1

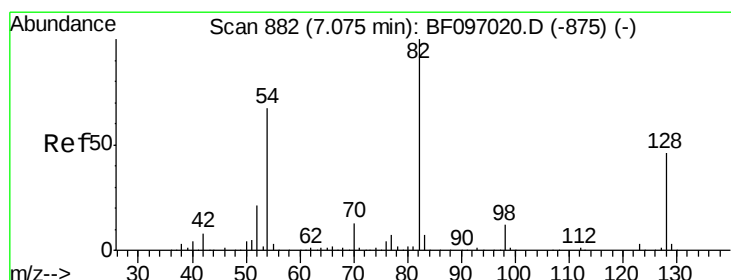
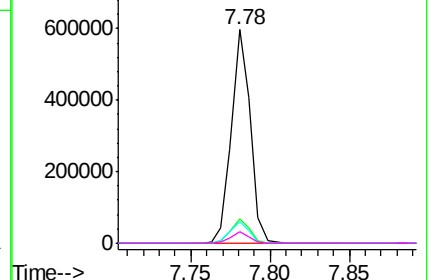
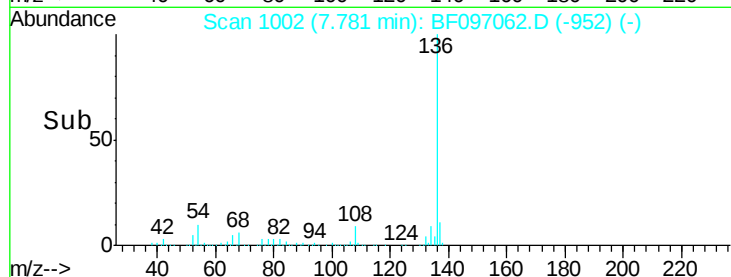


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.20 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

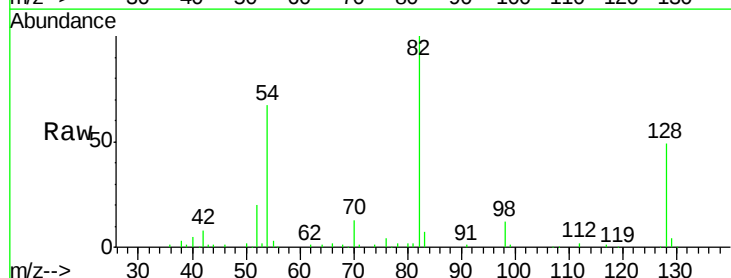
Tgt Ion: 82 Resp: 94725

Ion Ratio Lower Upper

82 100

128 49.2 34.0 51.0

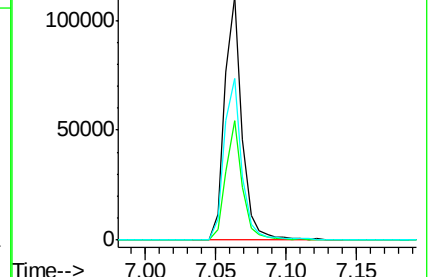
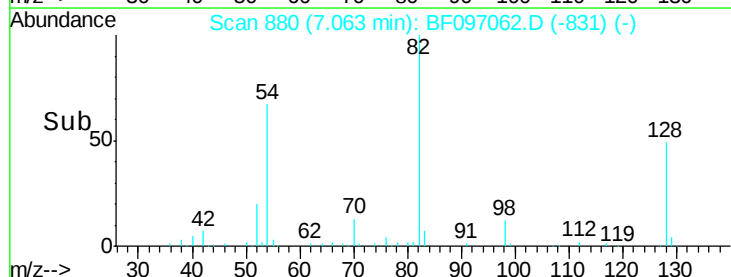
54 66.6 42.2 63.2#

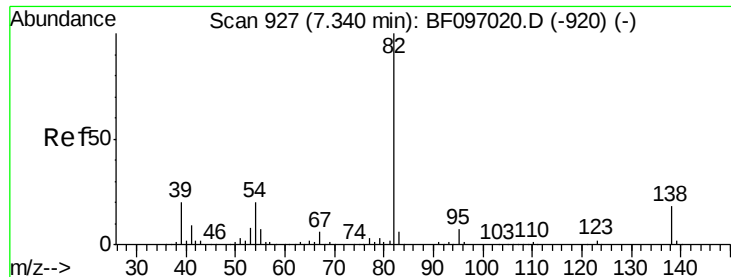


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 5.71 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

Instrument :

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E2-N6-BASE

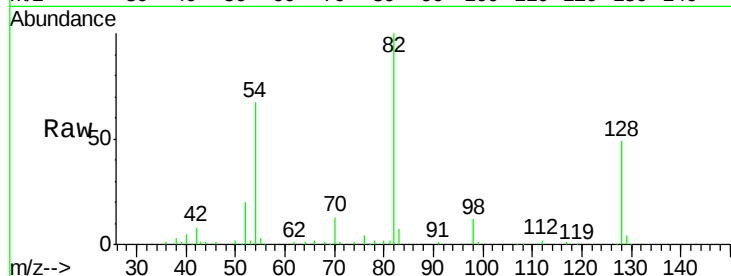
Tot Ion: 82 Resp: 94611

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

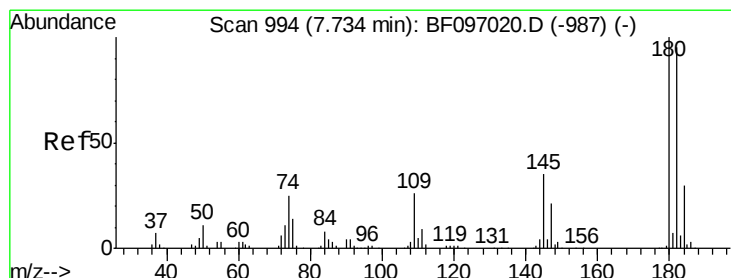
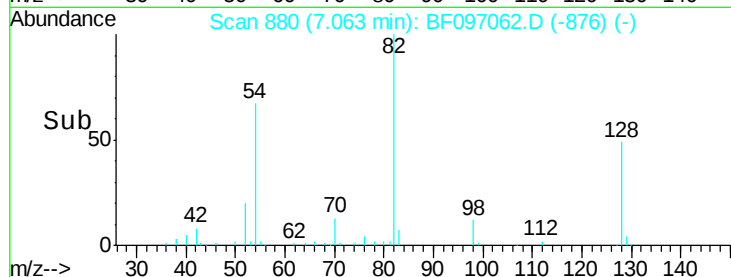
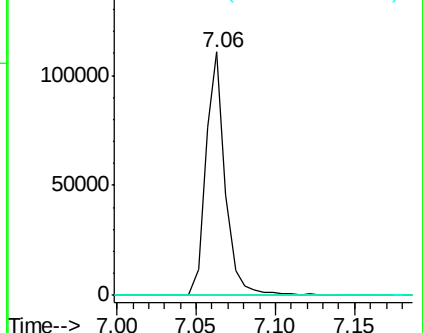
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#30

1,2,4-Trichlorobenzene

Concen: 3.50 ng

RT: 7.73 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

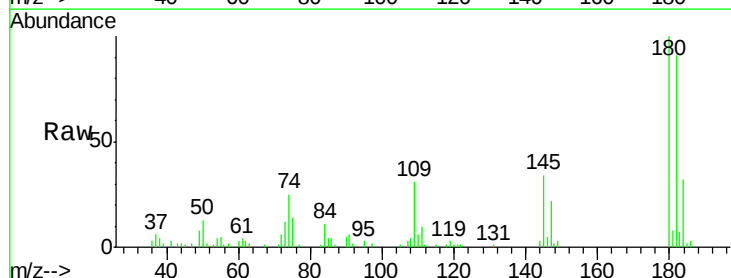
Tgt Ion: 180 Resp: 22585

Ion Ratio Lower Upper

180 100

182 91.4 75.8 113.6

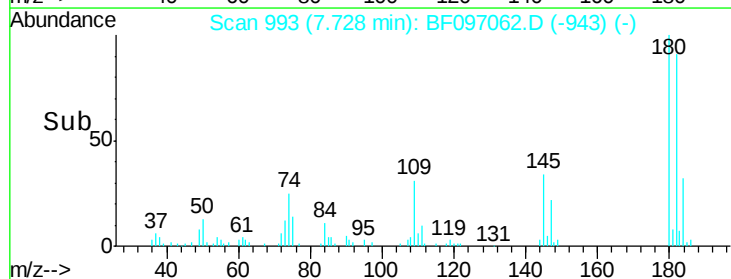
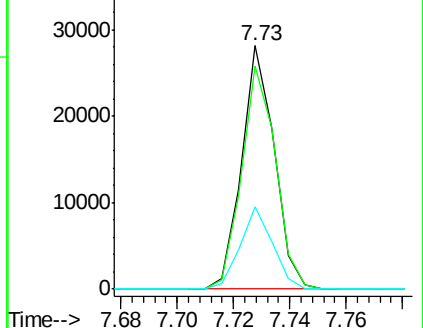
145 34.0 25.3 37.9

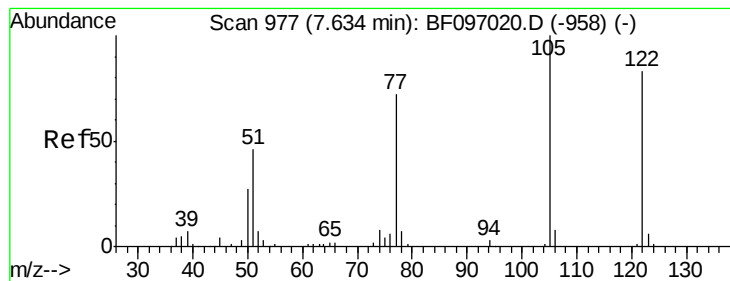


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#32

Benzoic acid

Concen: 4.44 ng

RT: 7.60 min Scan# 972

Delta R.T. -0.03 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

Instrument :

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E2-N6-BASE

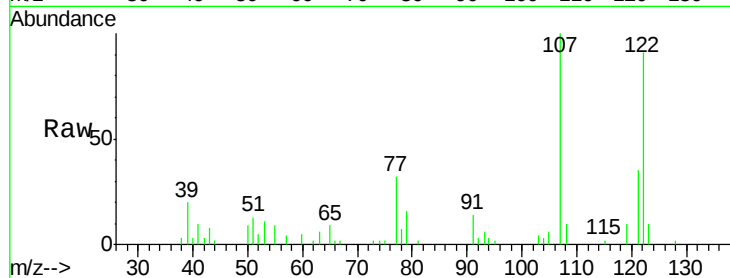
Tot Ion:122 Resp: 26054

Ion Ratio Lower Upper

122 100

105 6.9 103.3 143.3#

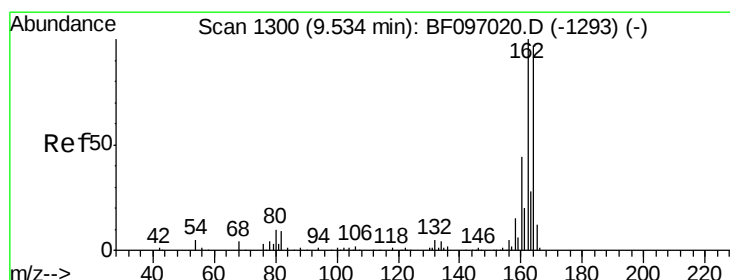
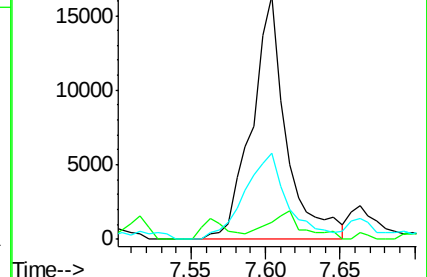
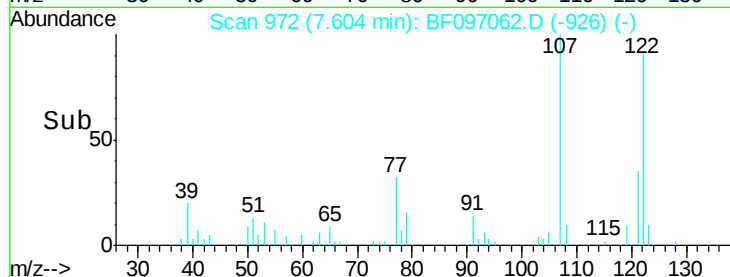
77 35.1 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

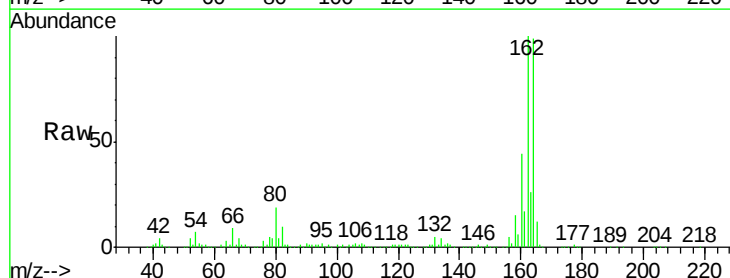
Tgt Ion:164 Resp: 190886

Ion Ratio Lower Upper

164 100

162 100.9 82.6 123.8

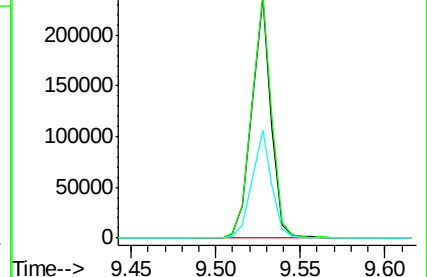
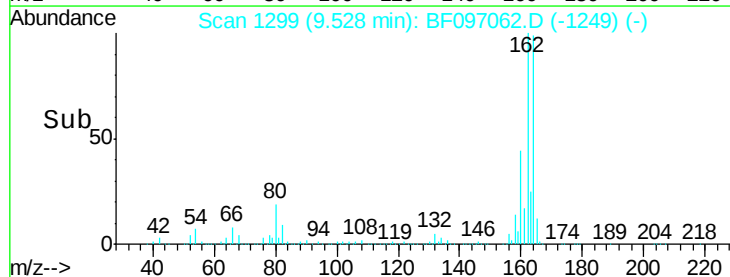
160 44.7 36.2 54.2

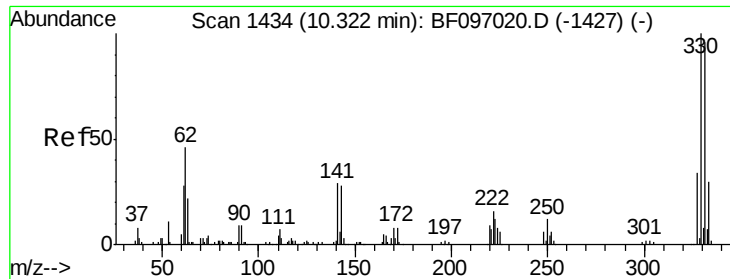


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

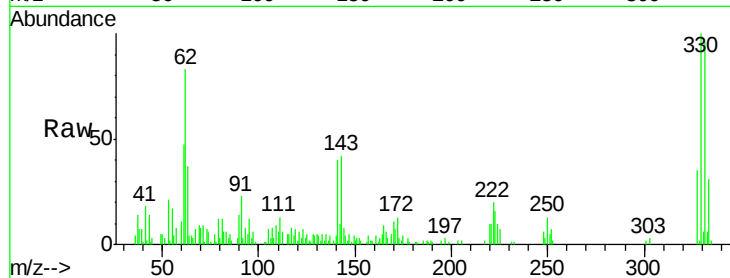




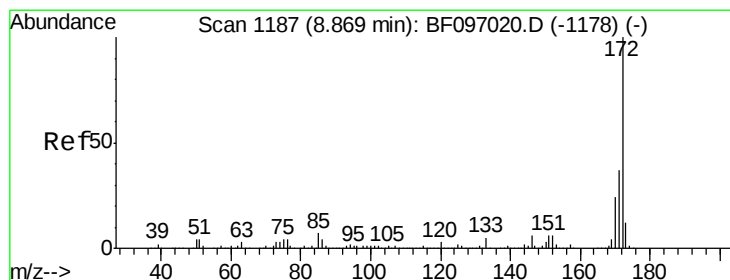
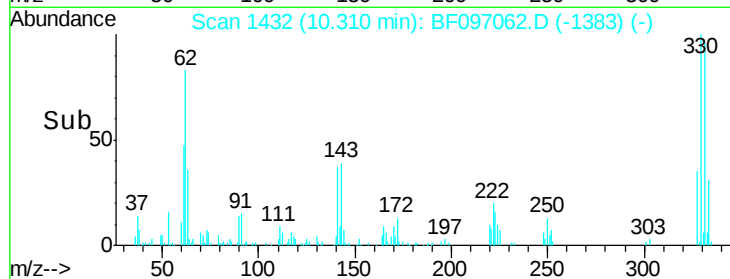
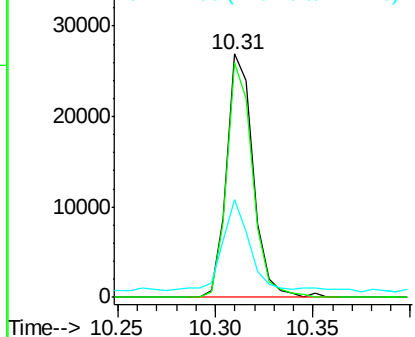
#41
 2,4,6-Tribromophenol
 Concen: 16.91 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097062.D
 Acq: 26 Jul 2017 7:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-N6-BASE

Tot Ion:330 Resp: 25504
 Ion Ratio Lower Upper
 330 100
 332 94.2 76.6 115.0
 141 38.0 31.4 47.2

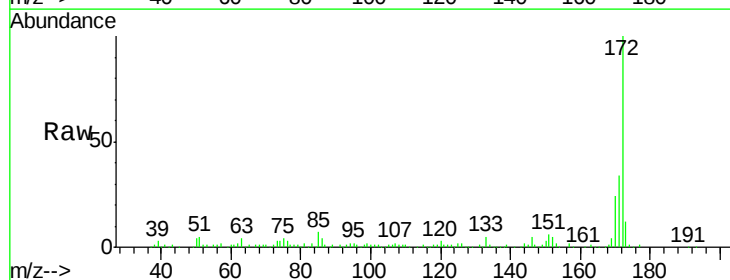


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

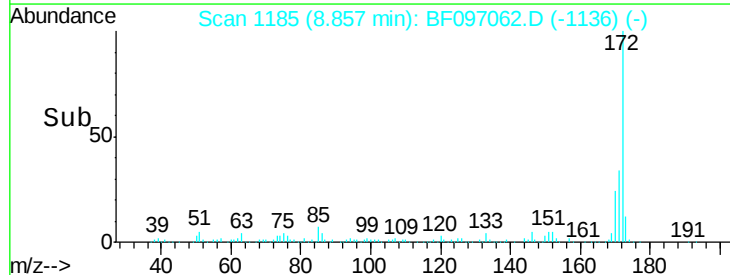
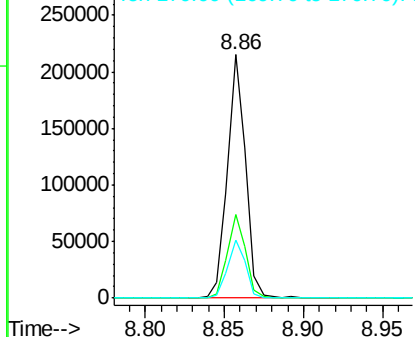


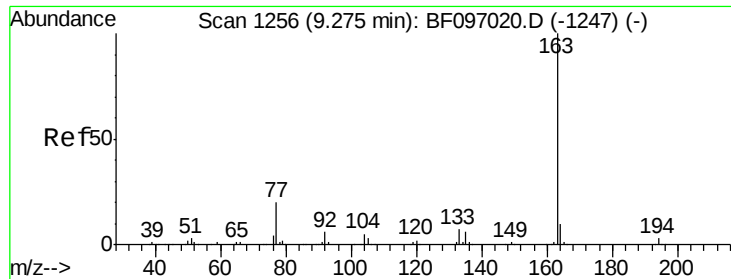
#44
 2-Fluorobiphenyl
 Concen: 15.16 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097062.D
 Acq: 26 Jul 2017 7:29

Tgt Ion:172 Resp: 170567
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.6 44.4
 170 23.9 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

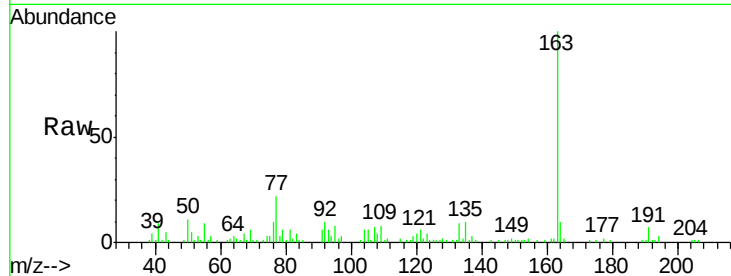




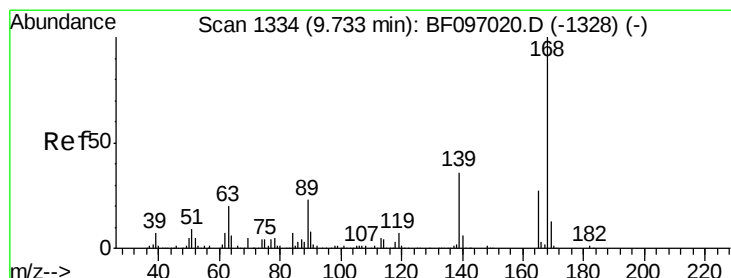
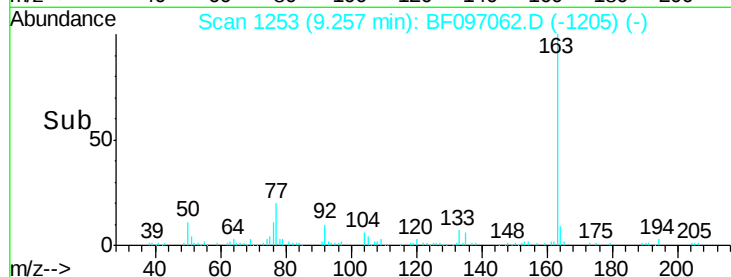
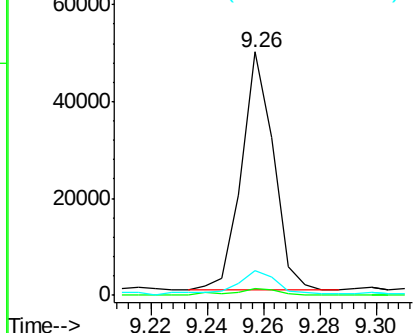
#49
Dimethylphthalate
Concen: 2.68 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097062.D
Acq: 26 Jul 2017 7:29

Instrument :
BNA_F
ClientSampleId :
E2-N6-BASE

Tot Ion:163 Resp: 38801
Ion Ratio Lower Upper
163 100
194 2.7 2.6 4.0
164 10.0 8.4 12.6

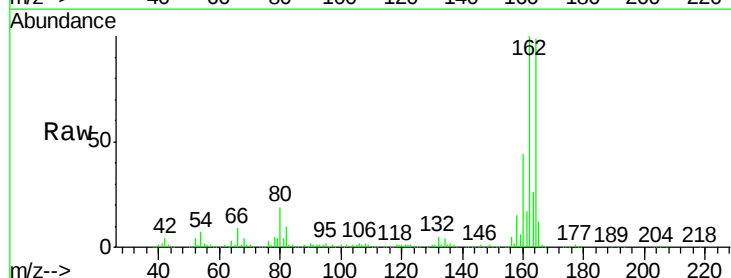


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

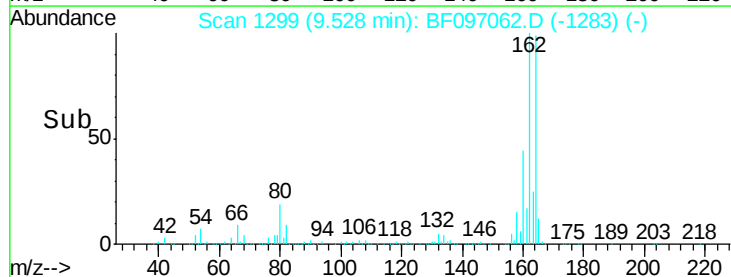
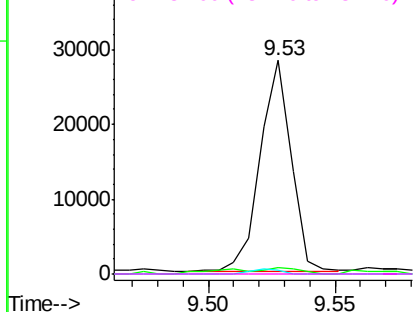


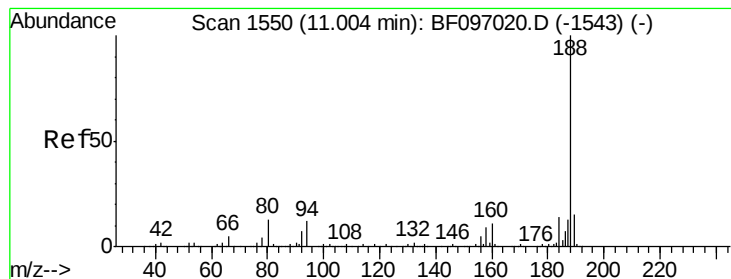
#56
2,4-Dinitrotoluene
Concen: 6.89 ng
RT: 9.53 min Scan# 1299
Delta R.T. -0.21 min
Lab File: BF097062.D
Acq: 26 Jul 2017 7:29

Tgt Ion:165 Resp: 24342
Ion Ratio Lower Upper
165 100
63 3.2 25.4 38.0#
89 1.6 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: 11.00 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

Instrument :

BNA_F

ClientSampleId :

E2-N6-BASE

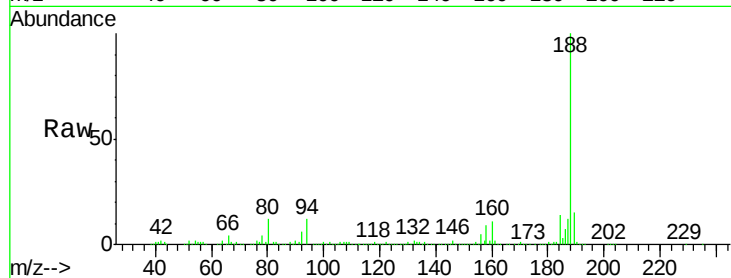
Tot Ion:188 Resp: 258812

Ion Ratio Lower Upper

188 100

94 12.1 9.4 14.2

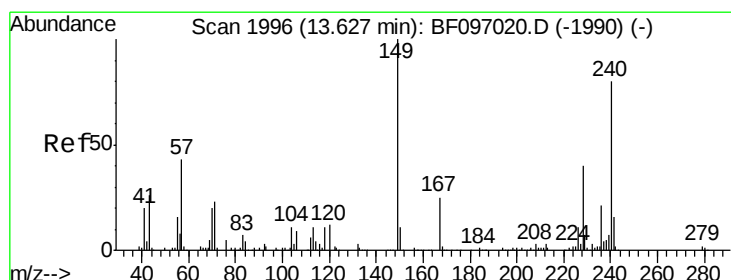
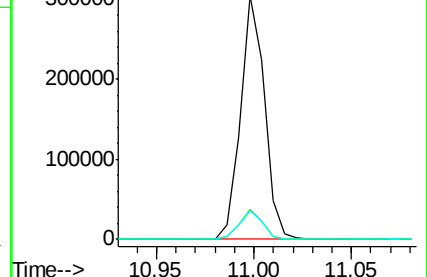
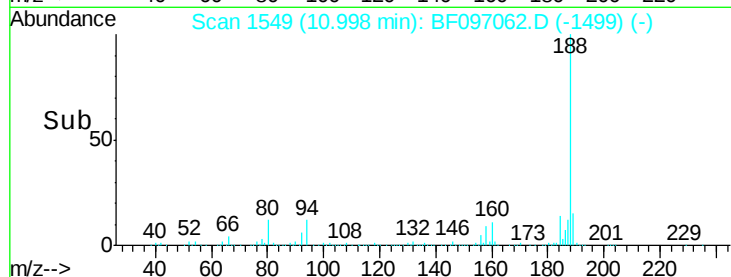
80 11.8 10.2 15.2



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: 20.00 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

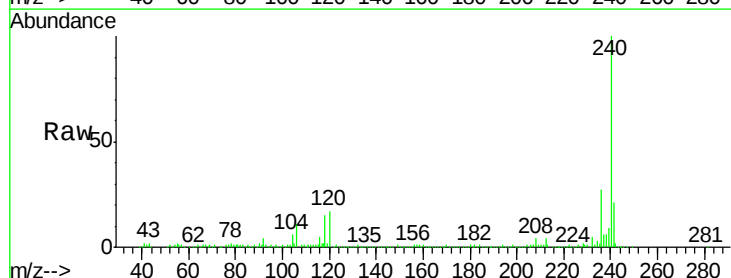
Tgt Ion:240 Resp: 223358

Ion Ratio Lower Upper

240 100

120 16.6 5.8 8.8#

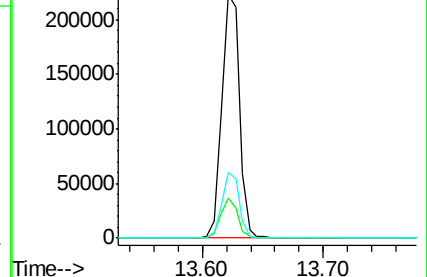
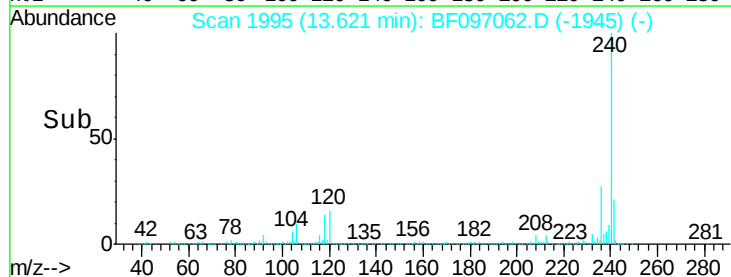
236 26.8 20.5 30.7

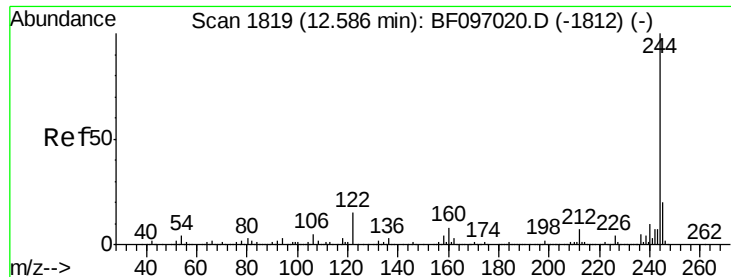


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 8.06 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

Instrument :

BNA_F

ClientSampleId :

E2-N6-BASE

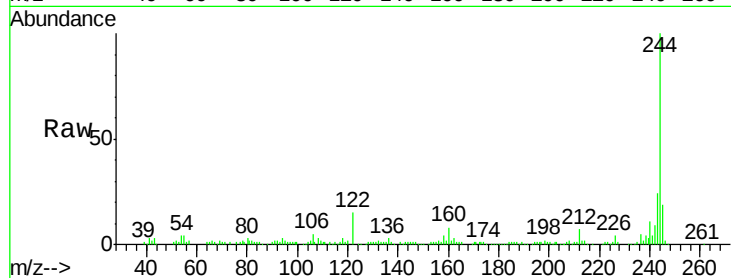
Tot Ion:244 Resp: 88321

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

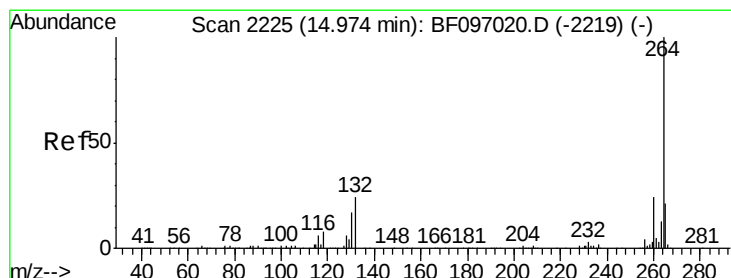
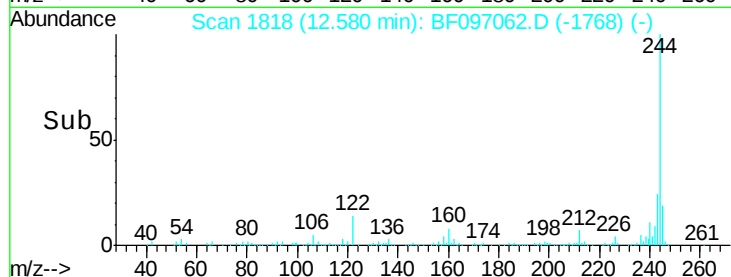
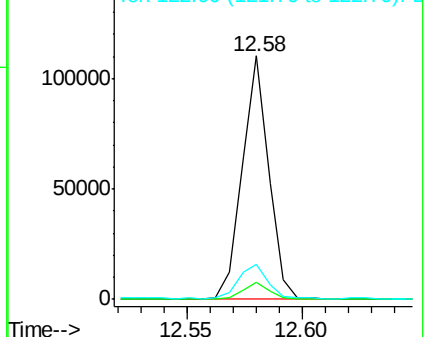
122 14.5 10.3 15.5



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: 14.97 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

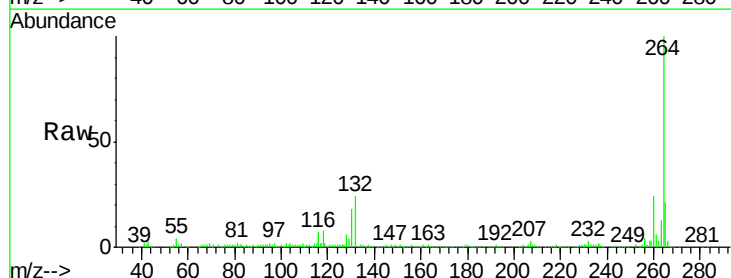
Tgt Ion:264 Resp: 161802

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

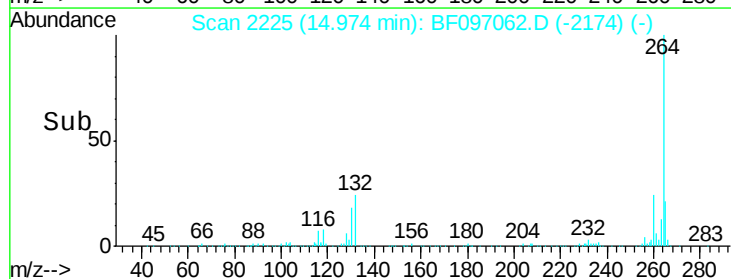
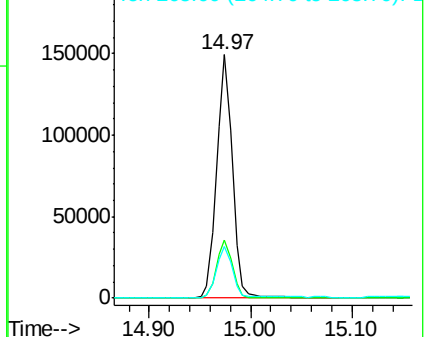
265 21.3 17.2 25.8

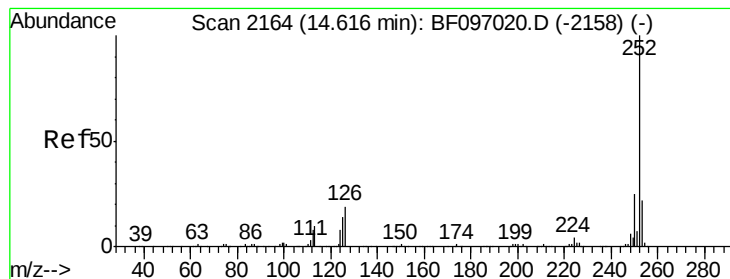


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.72 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.00 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

Instrument :

BNA_F

ClientSampleId :

E2-N6-BASE

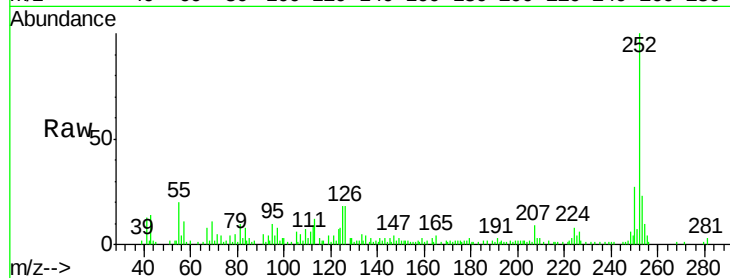
Tot Ion:252 Resp: 45948

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

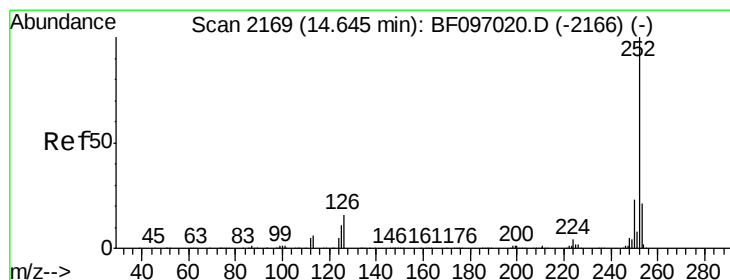
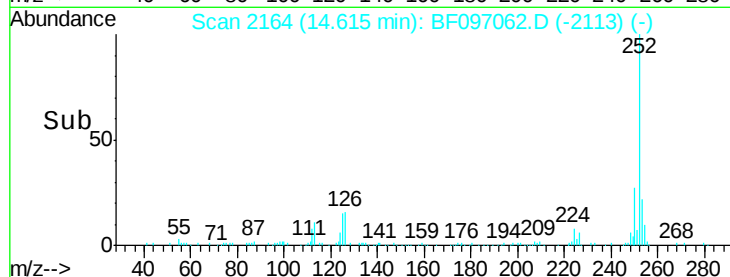
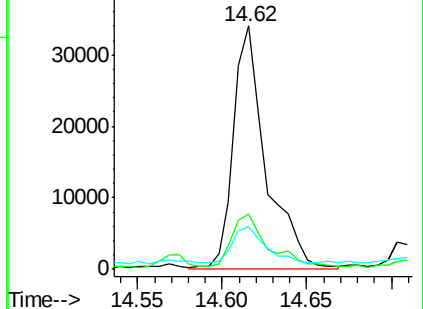
125 17.8 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.96 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.03 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

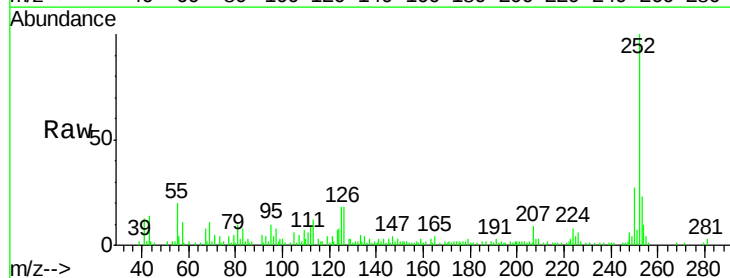
Tgt Ion:252 Resp: 45948

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

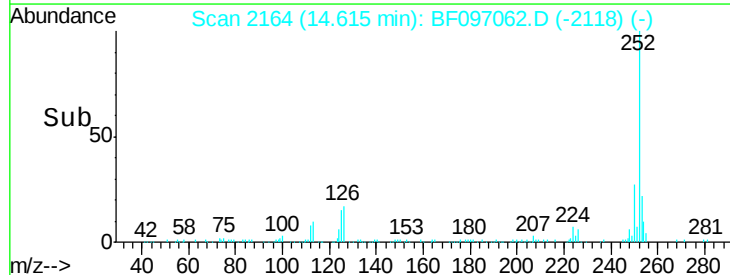
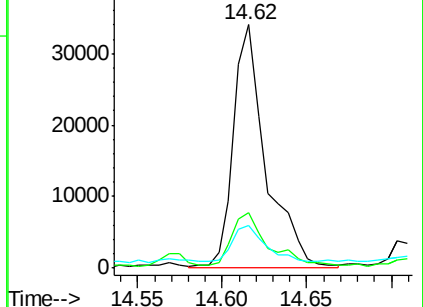
125 17.8 13.1 19.7

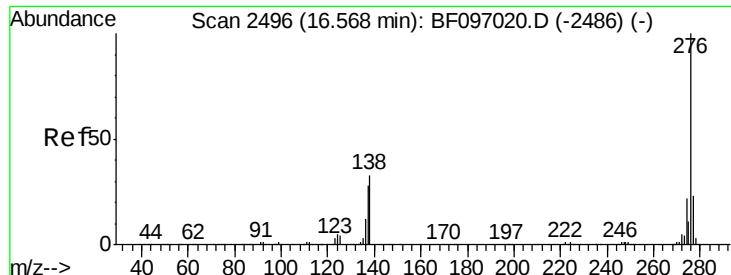


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.30 ng

RT: 16.56 min Scan# 2495

Delta R.T. -0.01 min

Lab File: BF097062.D

Acq: 26 Jul 2017 7:29

Instrument :

BNA_F

ClientSampleId :

E2-N6-BASE

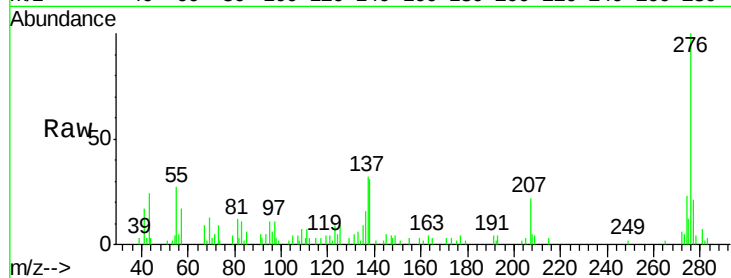
Tot Ion: 276 Resp: 25282

Ion Ratio Lower Upper

276 100

277 21.1 18.6 28.0

138 31.2 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

