

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082217\
 Data File : BF097988.D
 Acq On : 23 Aug 2017 7:57
 Operator : SJ/JU
 Sample : I4913-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-BE2-1-3-COMP

Quant Time: Aug 23 08:21:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	136225	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	501352	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	191588	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	301544	20.00	ng	0.00
75) Chrysene-d12	13.90	240	198483	20.00	ng	0.00
86) Perylene-d12	15.32	264	201570	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1022502	114.17	ng	0.01
7) Phenol-d6	6.39	99	1348480	110.82	ng	0.00
23) Nitrobenzene-d5	7.32	82	828565	89.78	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	174832	105.17	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	1193098	91.49	ng	0.00
78) Terphenyl-d14	12.86	244	795682	83.60	ng	0.00

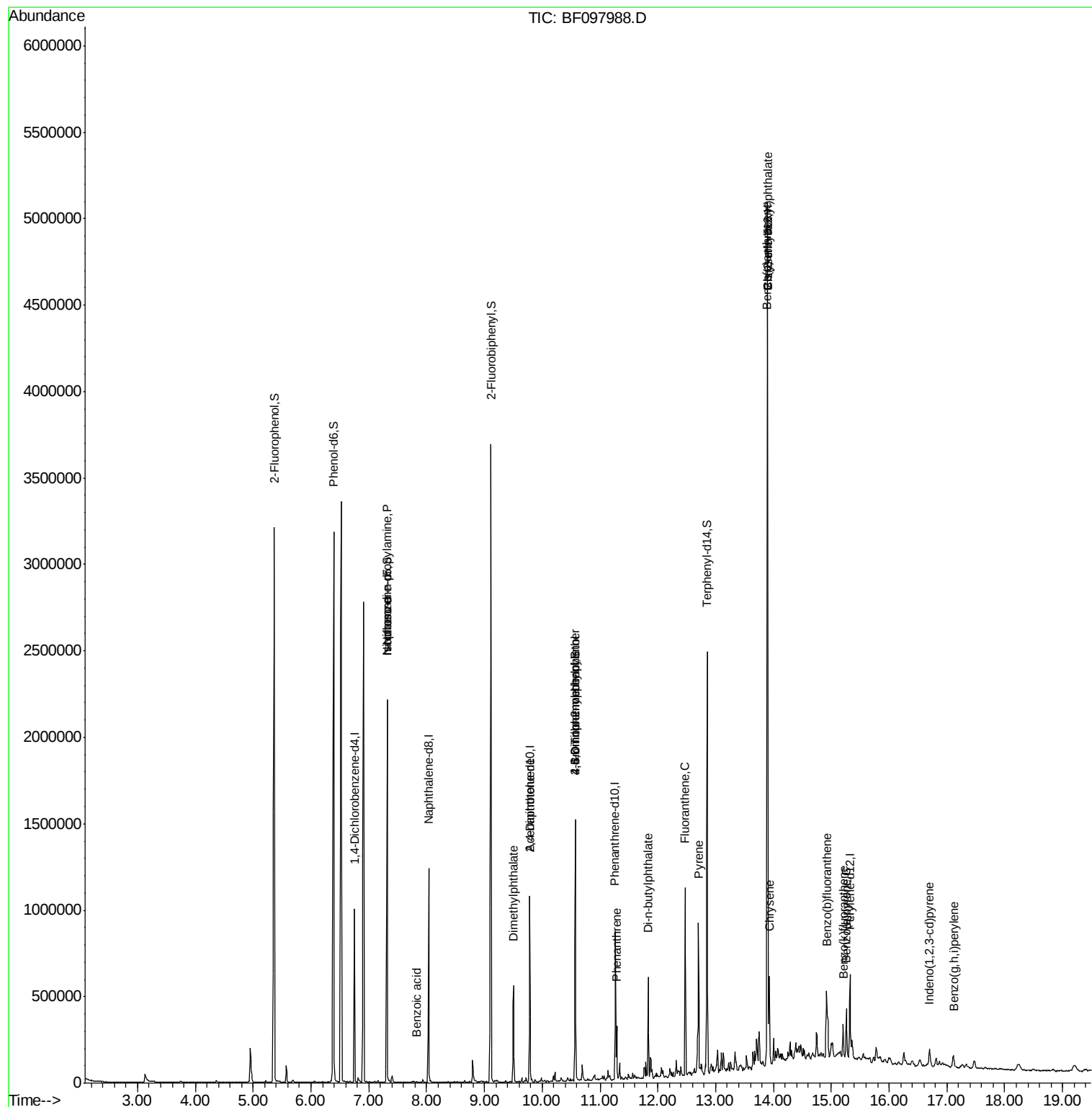
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	114056	13.69	ng	# 73
25) Isophorone	7.32	82	813790	42.41	ng	# 67
32) Benzoic acid	7.82	122	108	6.42	ng	# 34
49) Dimethylphthalate	9.50	163	193995	13.85	ng	98
56) 2,4-Dinitrotoluene	9.79	165	24258	6.91	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.57	198	494	8.61	ng	# 5
66) 4-Bromophenyl-phenylether	10.57	248	11860	3.79	ng	# 1
70) Phenanthrene	11.29	178	99502	6.19	ng	99
73) Di-n-butylphthalate	11.83	149	261648	14.68	ng	99
74) Fluoranthene	12.47	202	386702	23.06	ng	98
77) Pyrene	12.70	202	341229	21.02	ng	98
80) Benzo(a)anthracene	13.89	228	170765	14.35	ng	99
82) Chrysene	13.93	228	192687	16.28	ng	99
83) Bis(2-ethylhexyl)phthalate	13.90	149	1561693	226.43	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.70	276	62700	7.20	ng	# 90
87) Benzo(b)fluoranthene	14.92	252	276017	21.72	ng	100
88) Benzo(k)fluoranthene	15.20	252	83712	7.01	ng	98
89) Benzo(a)pyrene	15.26	252	130194	11.57	ng	98
91) Benzo(a,h,i)perylene	17.11	276	54377	5.69	ng	95

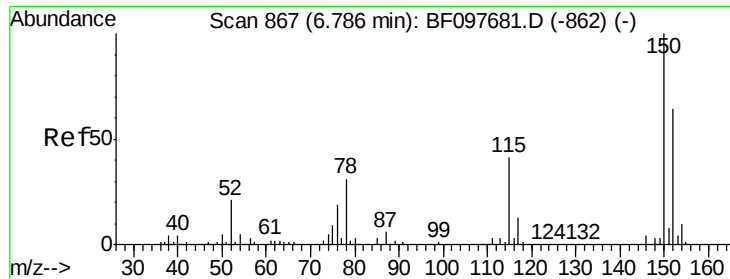
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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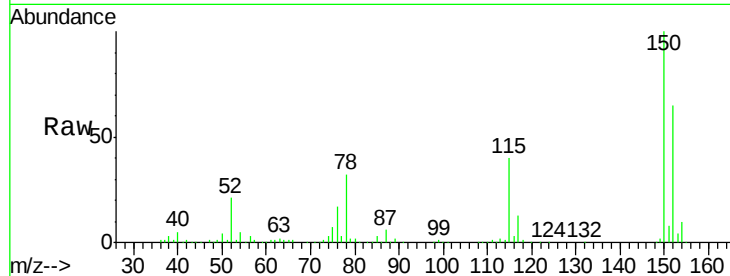


#1

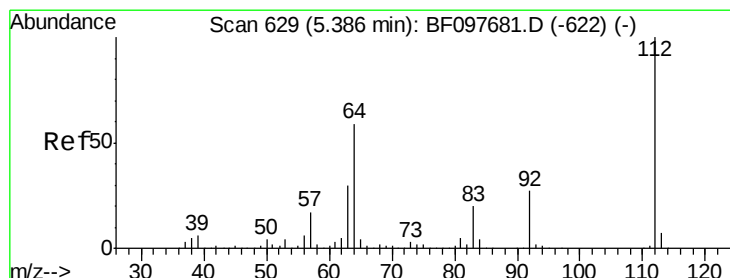
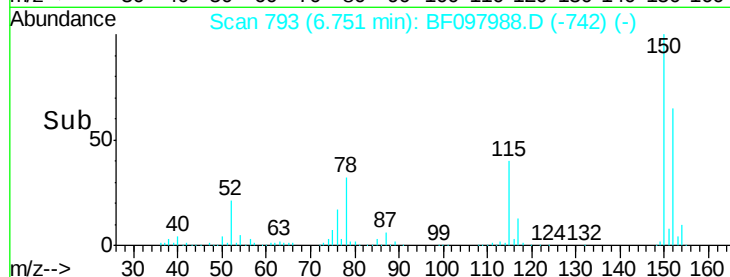
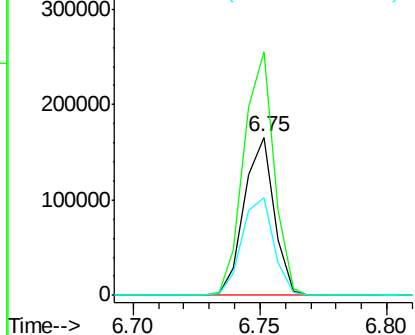
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

Instrument :
BNA_F
ClientSampleId :
TEC-BE2-1-3-COMP

Tot Ion:152 Resp: 136225
Ion Ratio Lower Upper
152 100
150 154.1 126.2 189.2
115 62.2 52.2 78.2



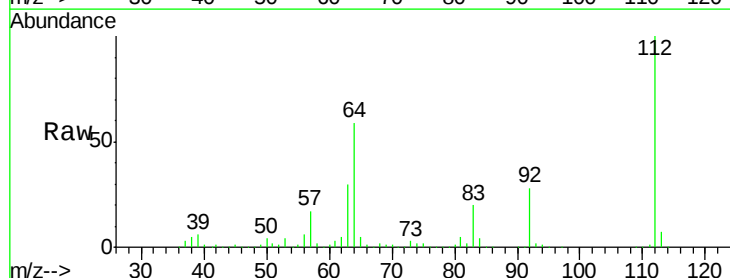
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



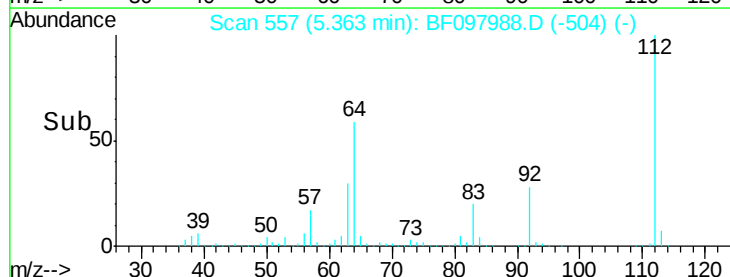
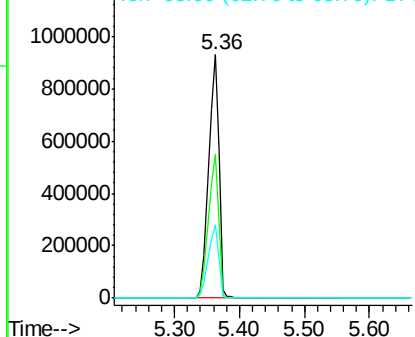
#5

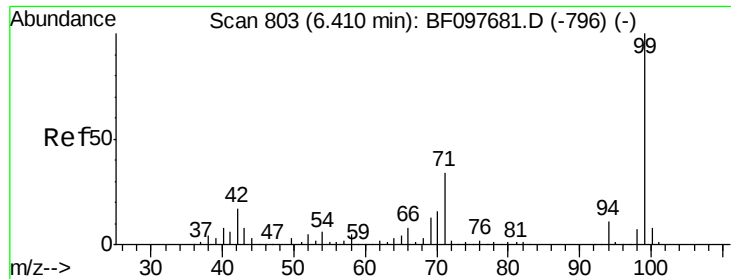
2-Fluorophenol
Concen: 114.17 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

Tgt Ion:112 Resp: 1022502
Ion Ratio Lower Upper
112 100
64 58.9 46.0 69.0
63 30.4 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: 110.82 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-1-3-COMP

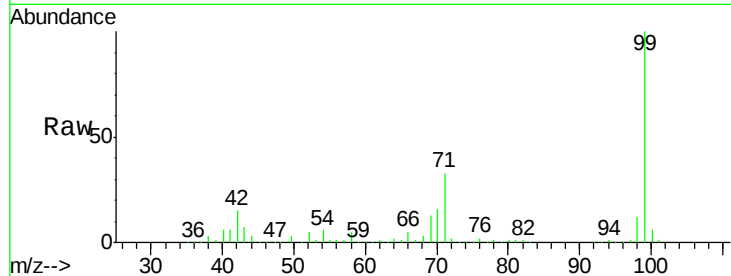
Tot Ion: 99 Resp: 1348480

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

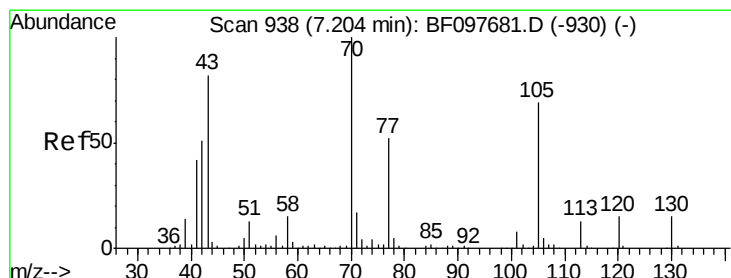
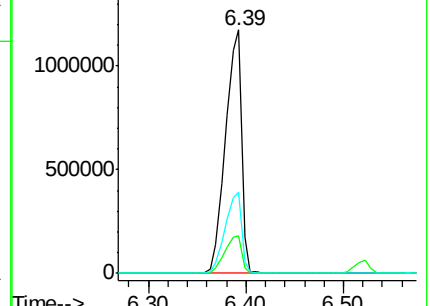
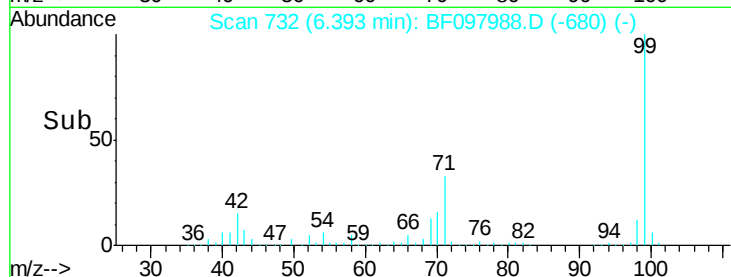
71 33.4 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.69 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

Tgt Ion: 70 Resp: 114056

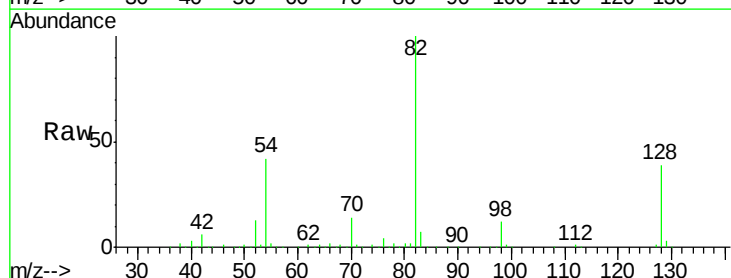
Ion Ratio Lower Upper

70 100

42 41.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

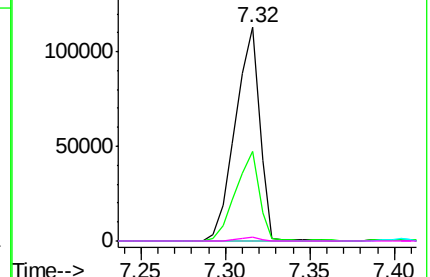
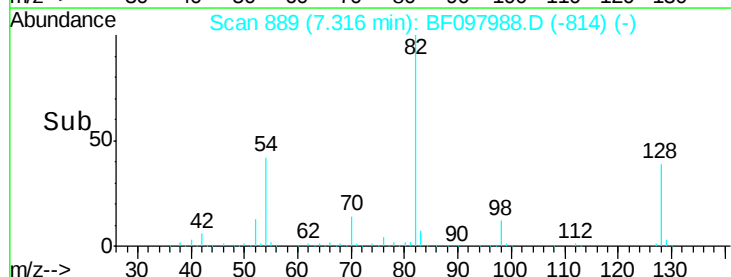


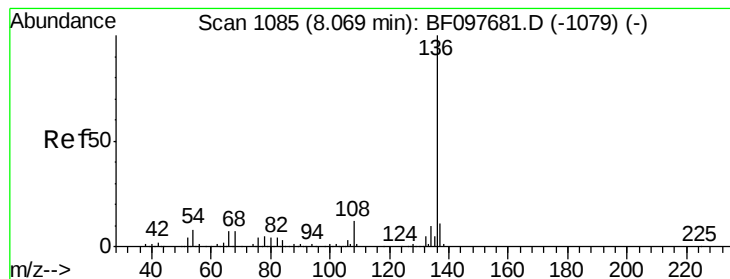
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-1-3-COMP

Tot Ion:136 Resp: 501352

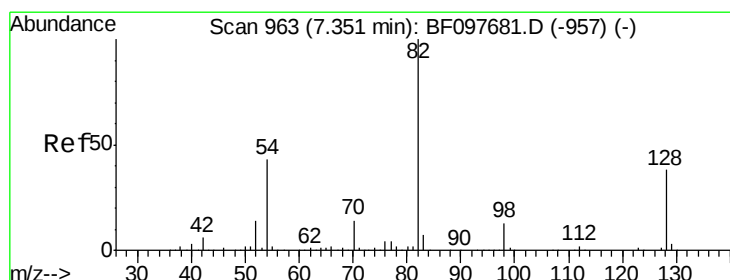
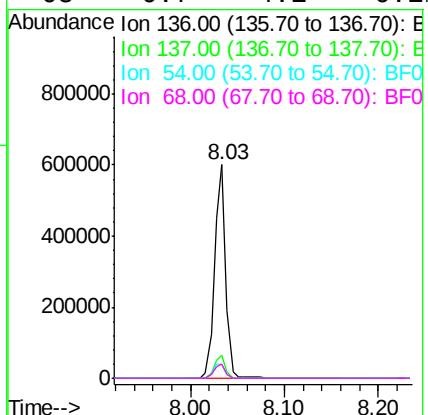
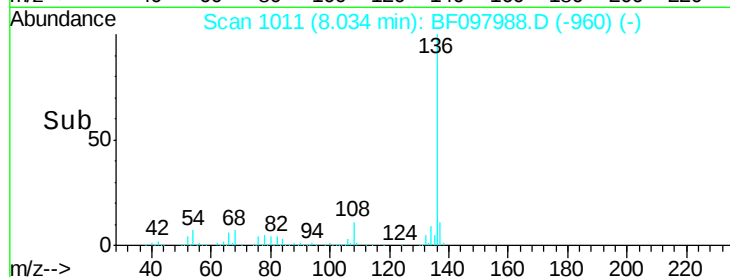
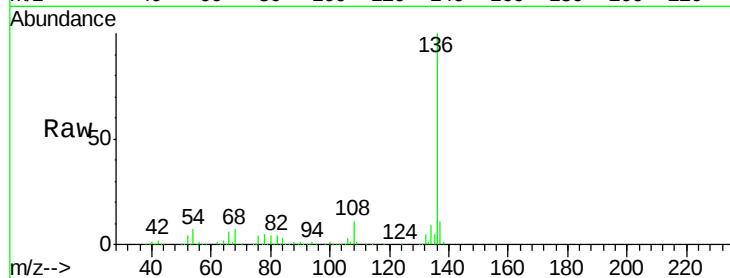
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.8 4.9 7.3

68 6.7 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 89.78 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

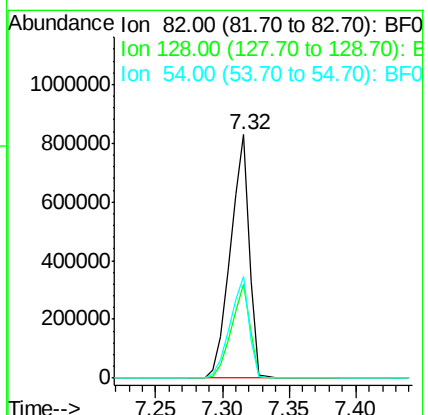
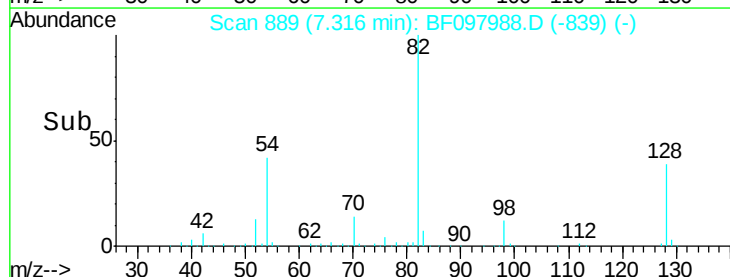
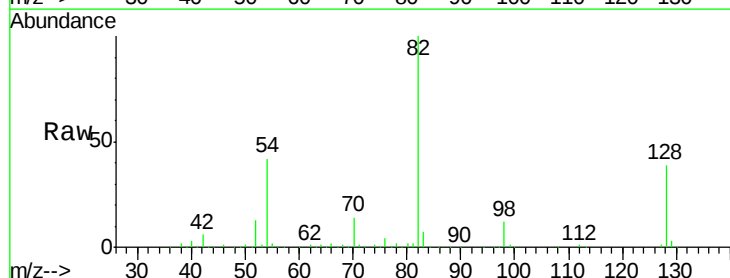
Tgt Ion: 82 Resp: 828565

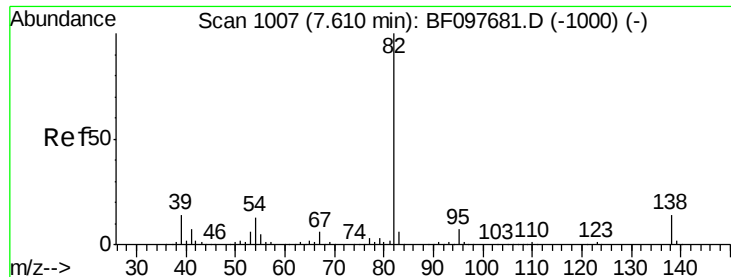
Ion Ratio Lower Upper

82 100

128 38.6 34.0 51.0

54 41.7 42.2 63.2#





#25

Isophorone

Concen: 42.41 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-1-3-COMP

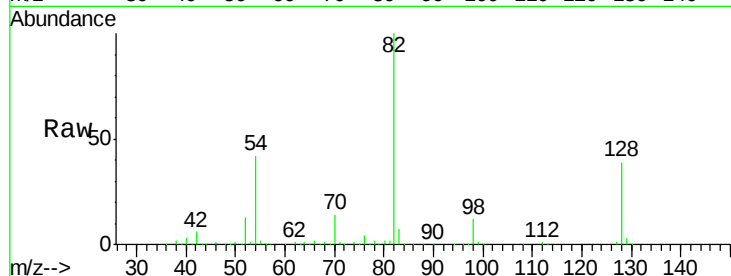
Tot Ion: 82 Resp: 813790

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

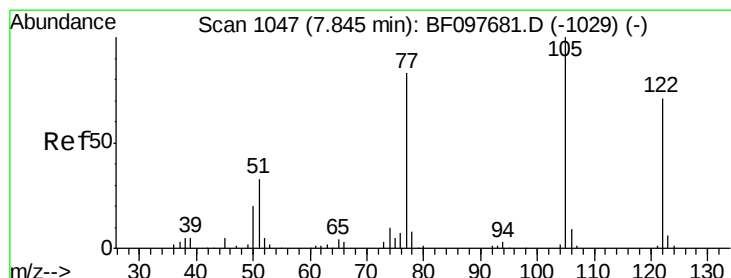
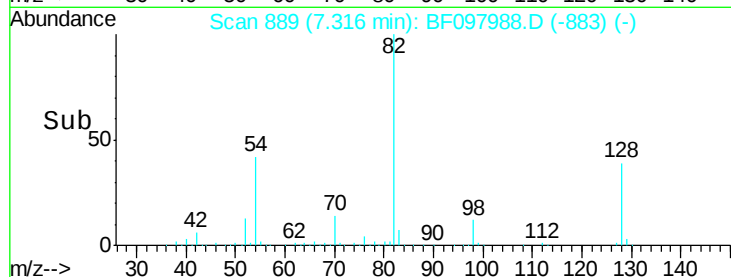
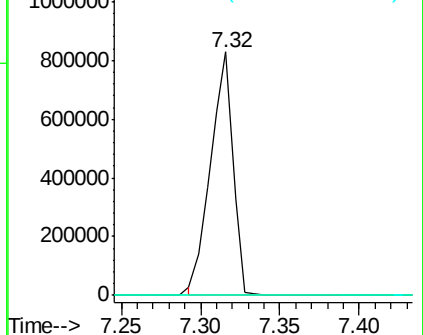
138 0.0 13.1 19.7#



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): BF0



#32

Benzoic acid

Concen: 6.42 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.01 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

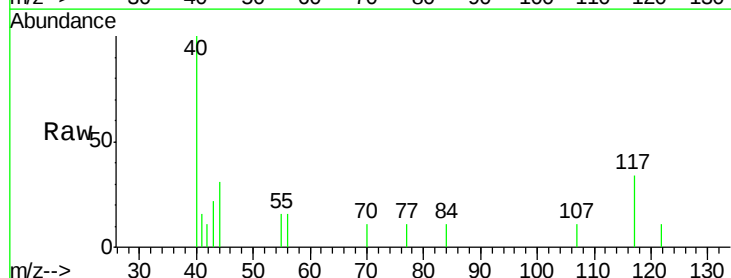
Tgt Ion: 122 Resp: 108

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

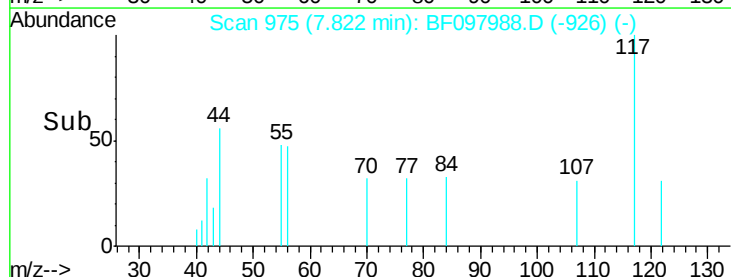
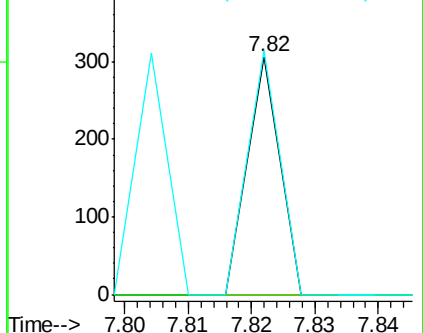
77 102.3 73.7 113.7

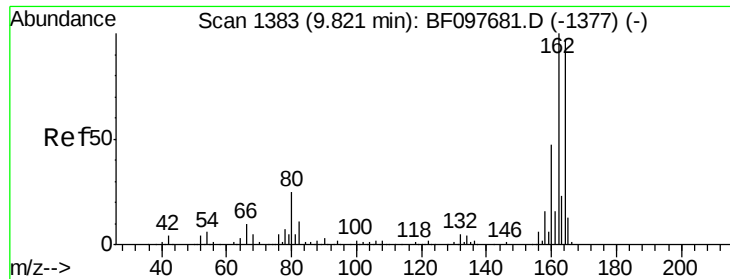


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

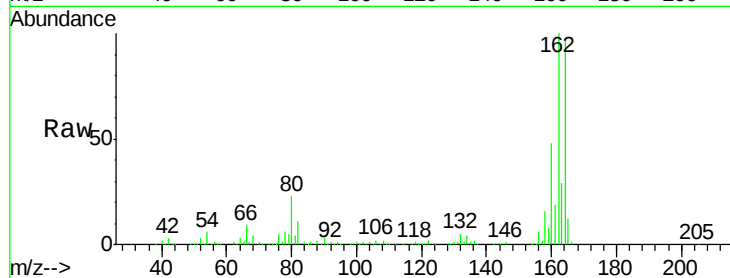




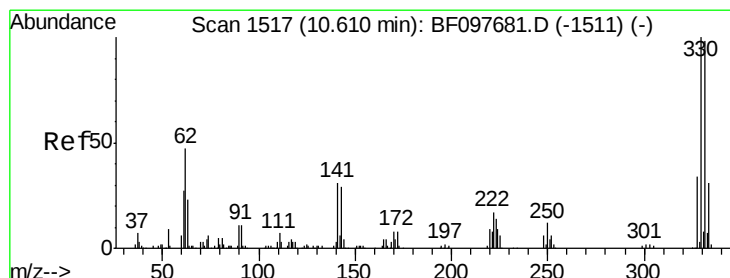
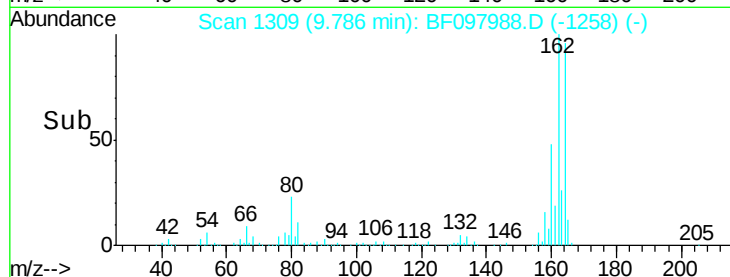
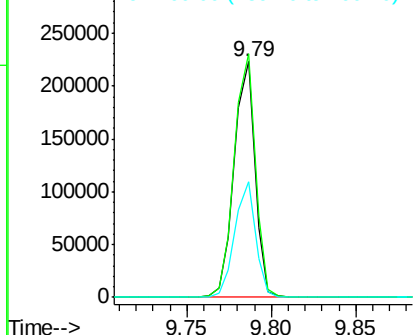
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

Instrument :
BNA_F
ClientSampleId :
TEC-BE2-1-3-COMP

Tot Ion:164 Resp: 191588
Ion Ratio Lower Upper
164 100
162 103.4 82.6 123.8
160 49.2 36.2 54.2

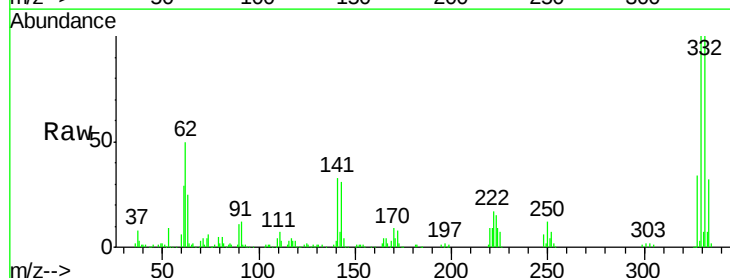


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

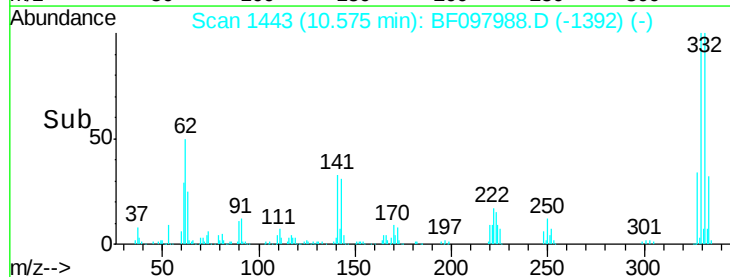
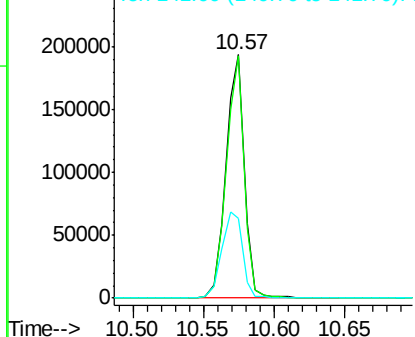


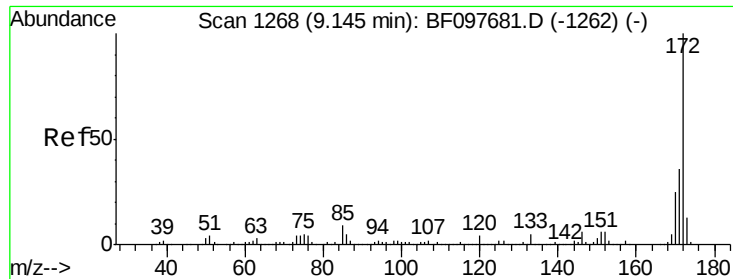
#41
2,4,6-Tribromophenol
Concen: 105.17 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

Tgt Ion:330 Resp: 174832
Ion Ratio Lower Upper
330 100
332 96.7 76.6 115.0
141 40.3 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

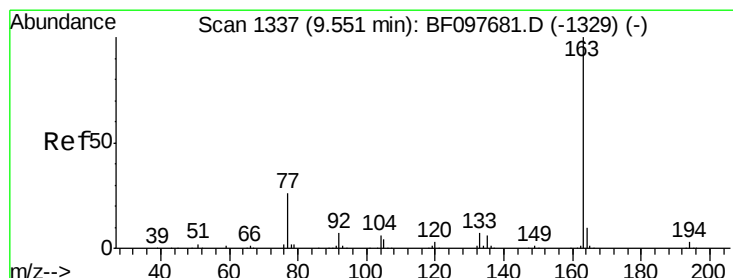
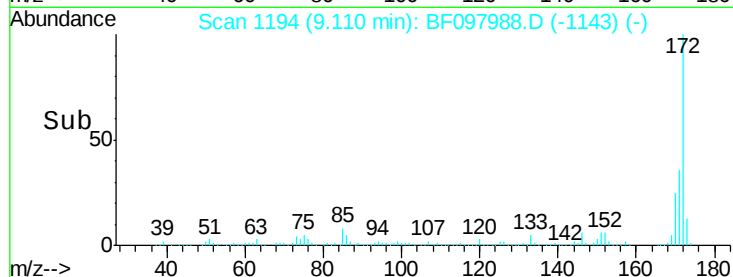
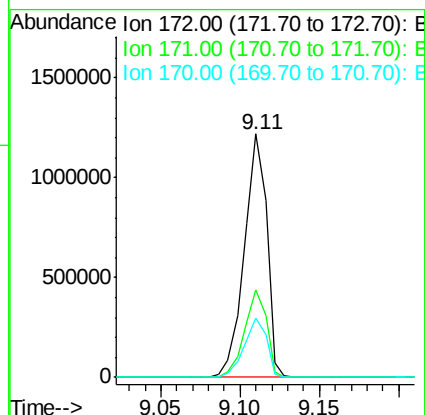
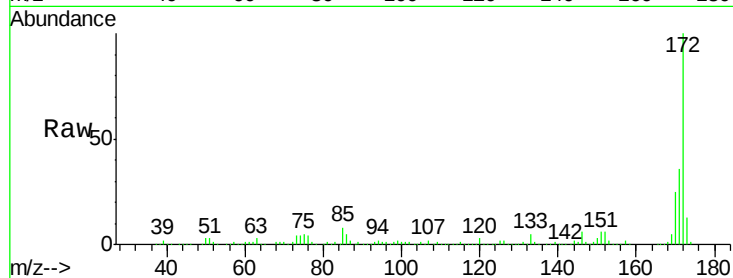




#44
2-Fluorobiphenyl
Concen: 91.49 ng
RT: 9.11 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

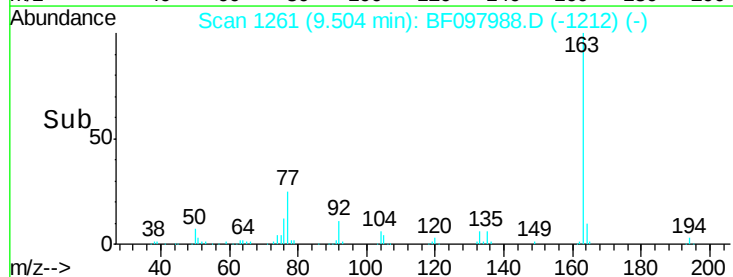
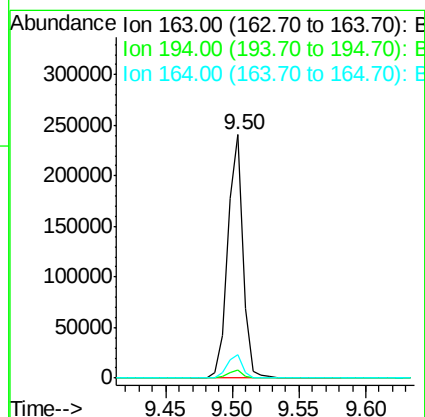
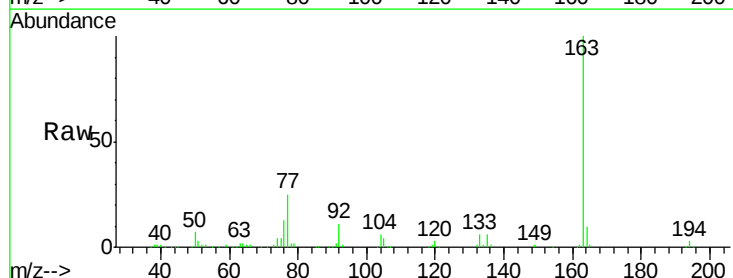
Instrument :
BNA_F
ClientSampleId :
TEC-BE2-1-3-COMP

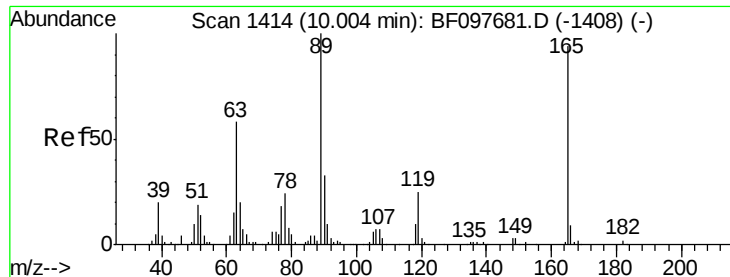
Tot Ion:172 Resp: 1193098
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.5 19.8 29.8



#49
Dimethylphthalate
Concen: 13.85 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

Tgt Ion:163 Resp: 193995
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.7 8.4 12.6

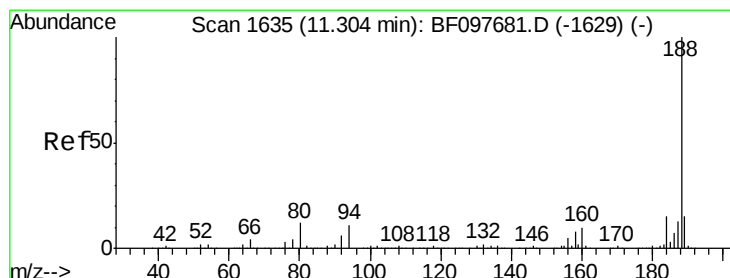
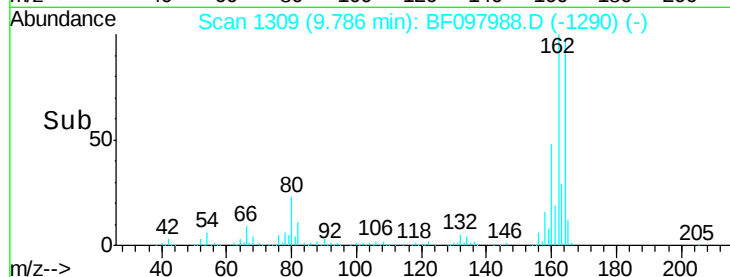
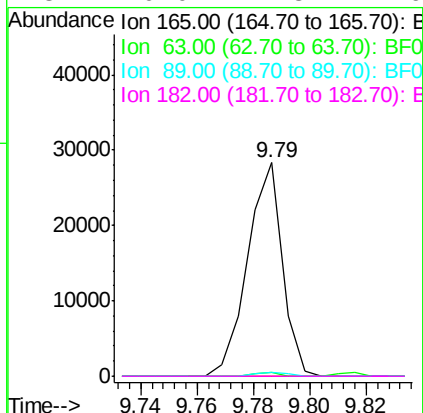
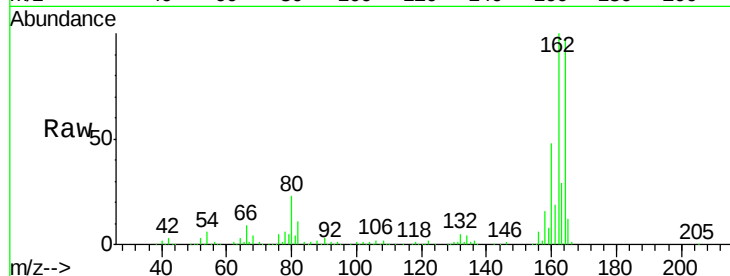




#56
 2,4-Dinitrotoluene
 Concen: 6.91 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.19 min
 Lab File: BF097988.D
 Acq: 23 Aug 2017 7:57

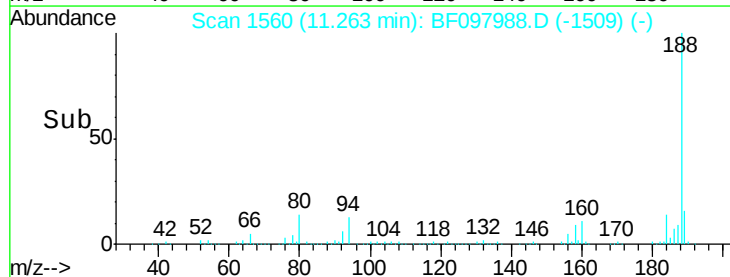
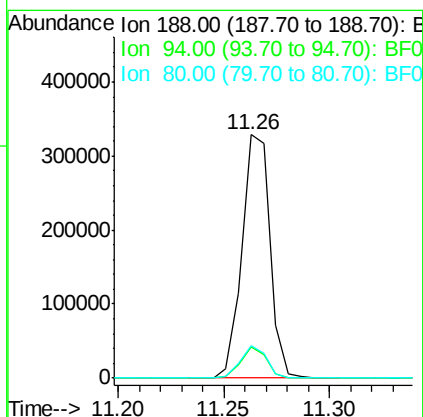
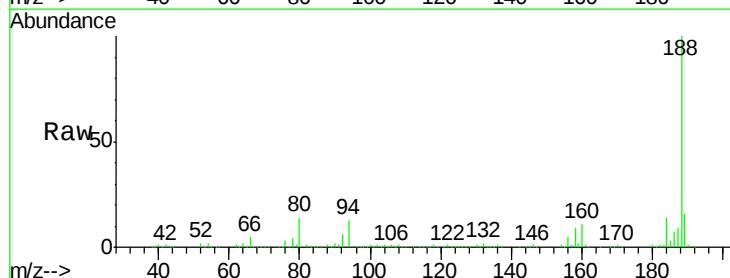
Instrument :
 BNA_F
 ClientSampleId :
 TEC-BE2-1-3-COMP

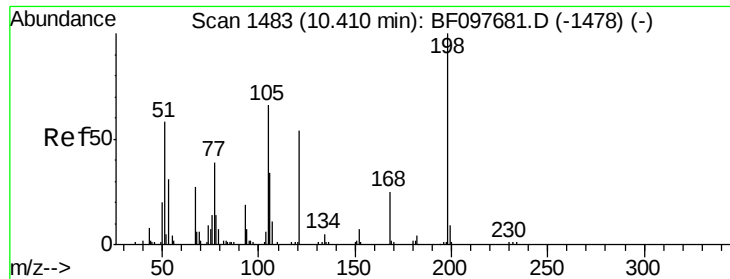
Tot Ion:165 Resp: 24258
 Ion Ratio Lower Upper
 165 100
 63 1.9 25.4 38.0#
 89 1.9 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BF097988.D
 Acq: 23 Aug 2017 7:57

Tgt Ion:188 Resp: 301544
 Ion Ratio Lower Upper
 188 100
 94 12.5 9.4 14.2
 80 13.5 10.2 15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.61 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.19 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-1-3-COMP

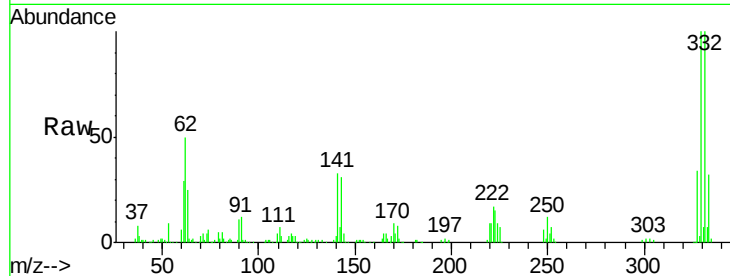
Tot Ion:198 Resp: 494

Ion Ratio Lower Upper

198 100

51 148.3 53.2 93.2#

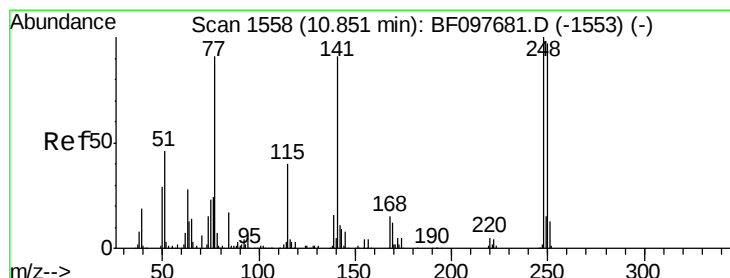
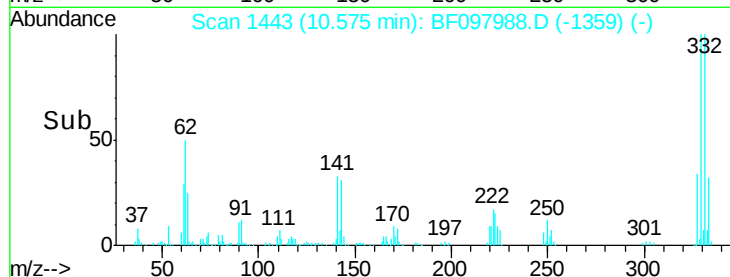
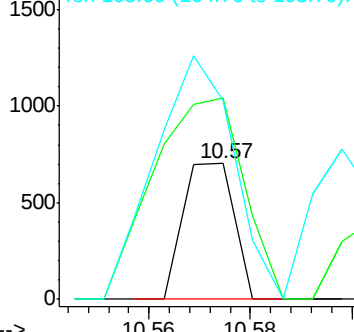
105 146.2 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.79 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.25 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

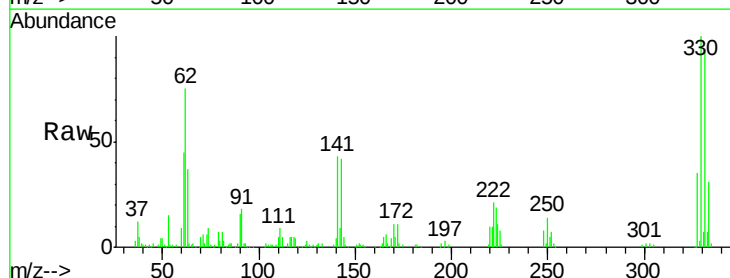
Tgt Ion:248 Resp: 11860

Ion Ratio Lower Upper

248 100

250 188.4 76.8 115.2#

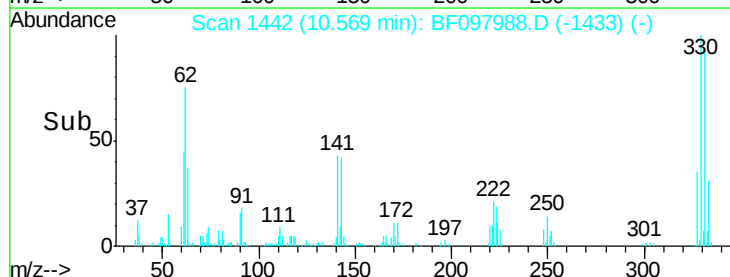
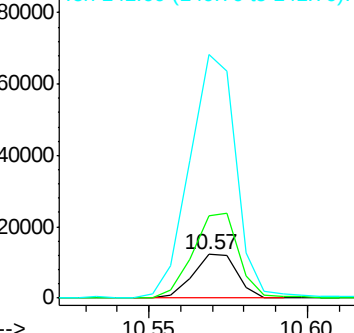
141 558.4 68.6 103.0#

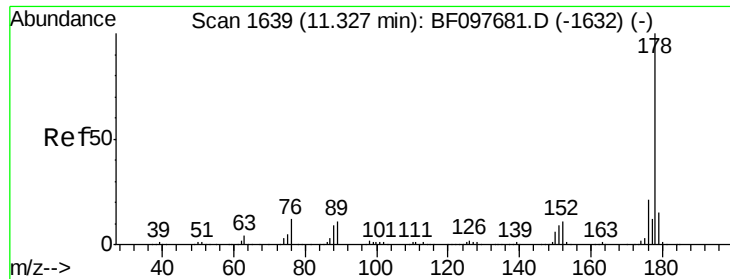


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 6.19 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-1-3-COMP

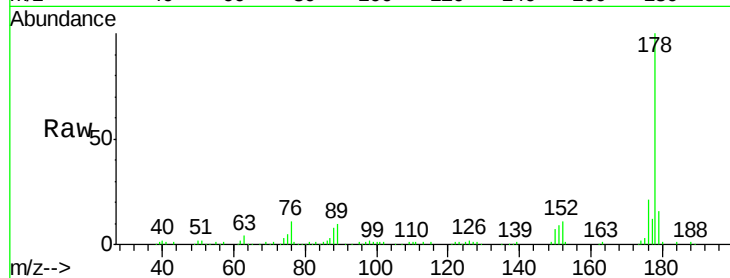
Tot Ion:178 Resp: 99502

Ion Ratio Lower Upper

178 100

176 20.9 16.2 24.4

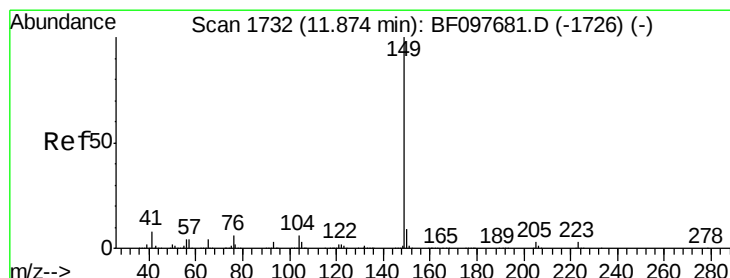
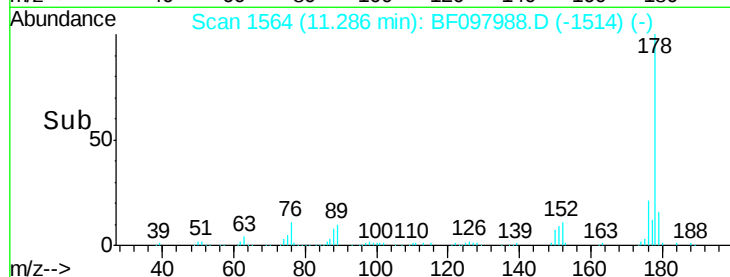
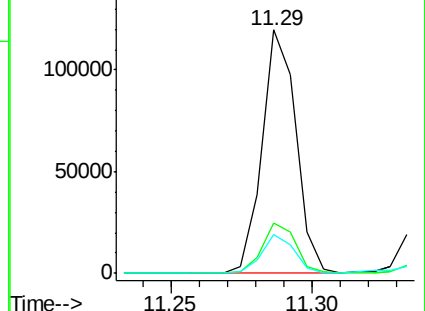
179 15.9 12.6 19.0



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



#73

Di-n-butylphthalate

Concen: 14.68 ng

RT: 11.83 min Scan# 1657

Delta R.T. 0.00 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

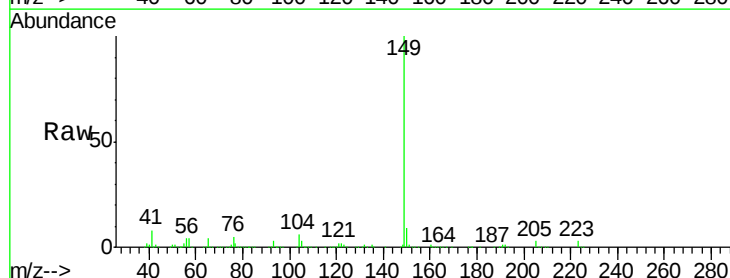
Tgt Ion:149 Resp: 261648

Ion Ratio Lower Upper

149 100

150 9.1 7.7 11.5

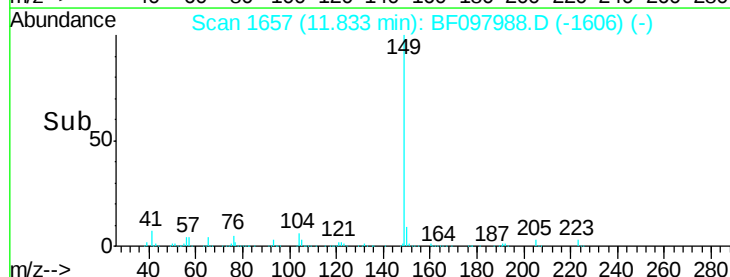
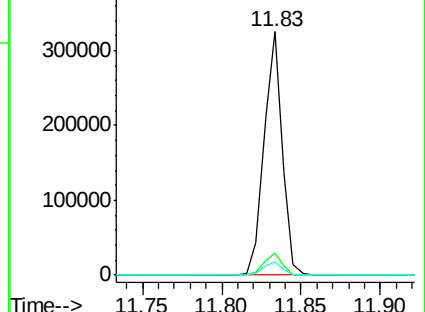
104 5.5 4.0 6.0

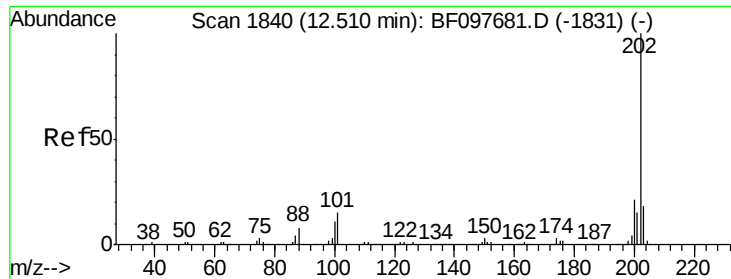


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 23.06 ng

RT: 12.47 min Scan# 1766

Delta R.T. 0.00 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-1-3-COMP

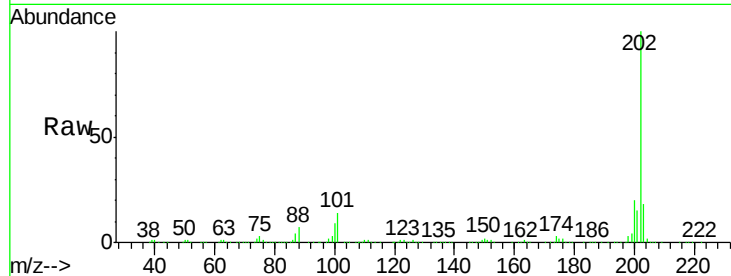
Tot Ion:202 Resp: 386702

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

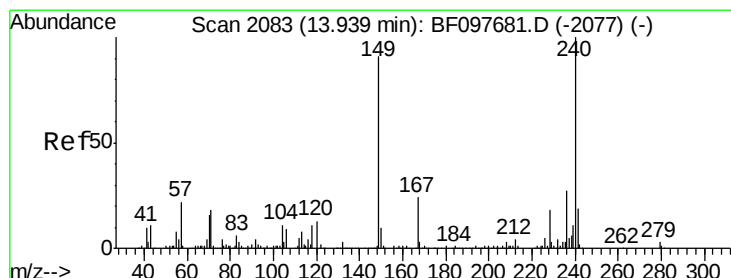
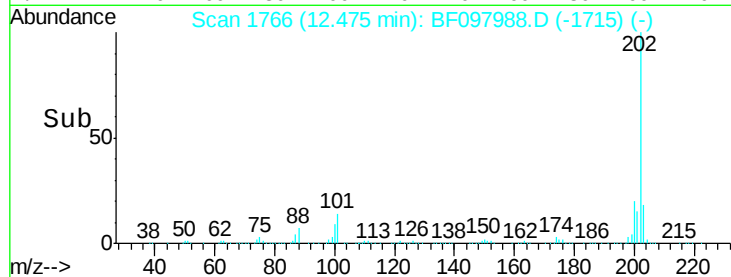
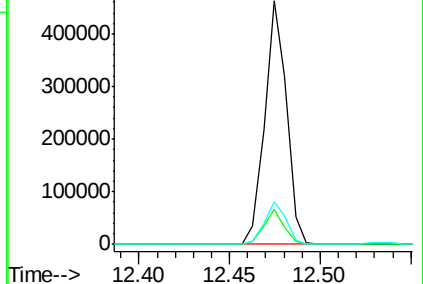
203 17.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

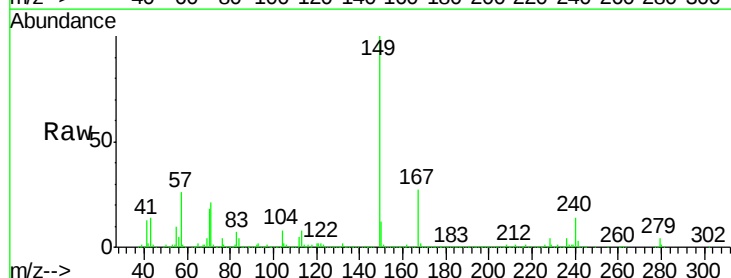
Tgt Ion:240 Resp: 198483

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

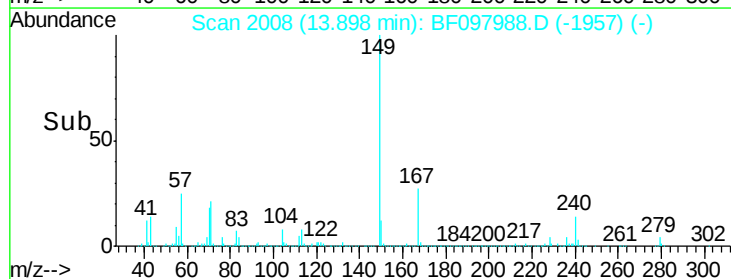
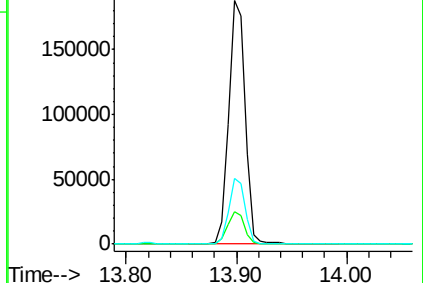
236 26.8 20.5 30.7

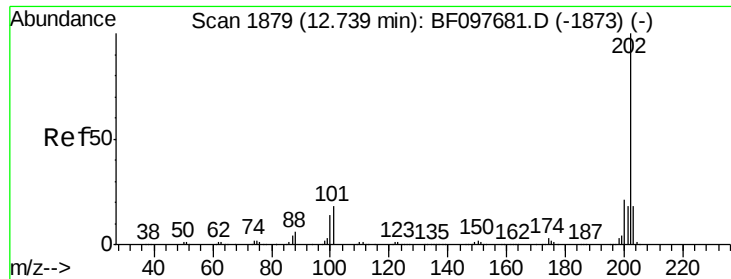


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

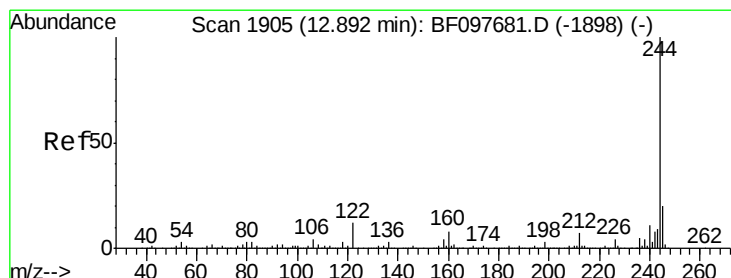
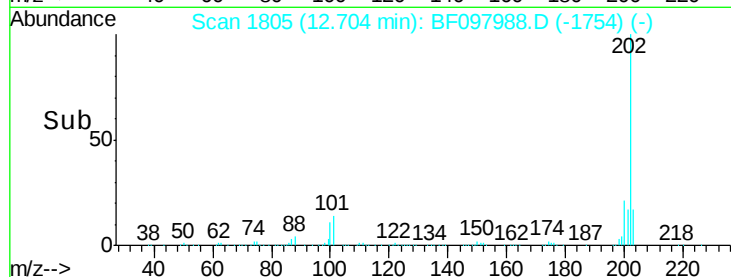
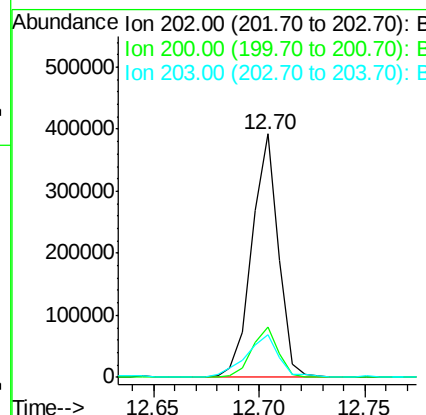
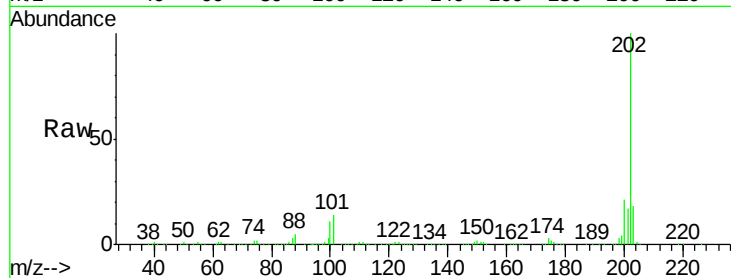




#77
Pvrene
Concen: 21.02 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

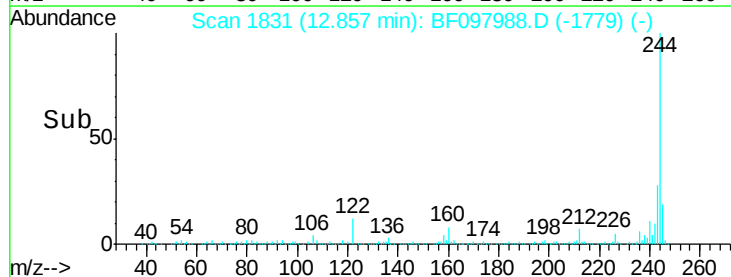
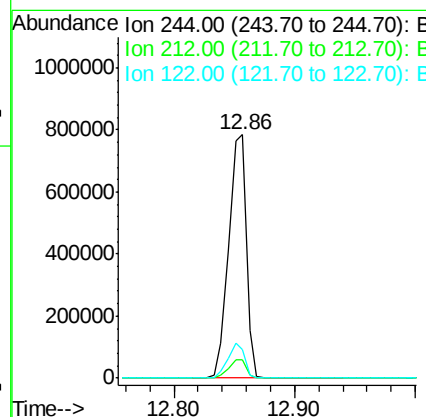
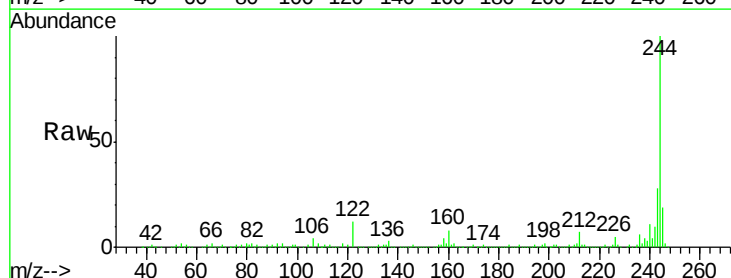
Instrument :
BNA_F
ClientSampleId :
TEC-BE2-1-3-COMP

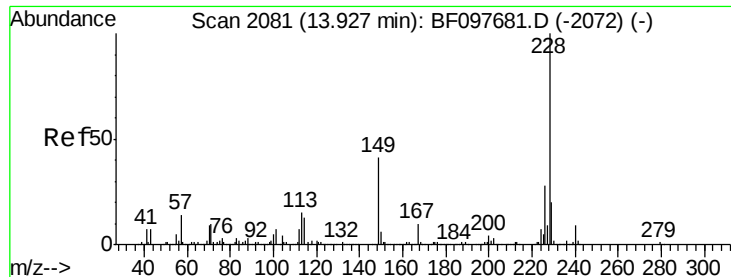
Tot Ion:202 Resp: 341229
Ion Ratio Lower Upper
202 100
200 20.8 17.6 26.4
203 17.5 14.4 21.6



#78
Terphenyl-d14
Concen: 83.60 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

Tgt Ion:244 Resp: 795682
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 11.5 10.3 15.5





#80

Benzo(a)anthracene

Concen: 14.35 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-1-3-COMP

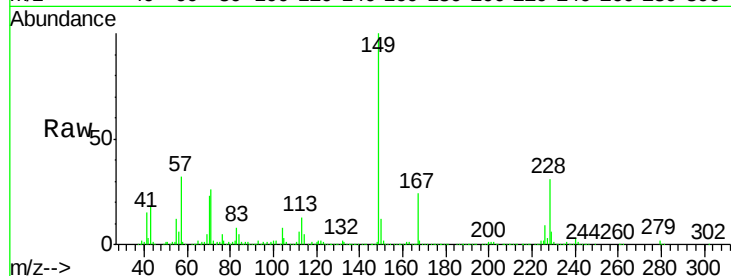
Tot Ion:228 Resp: 170765

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

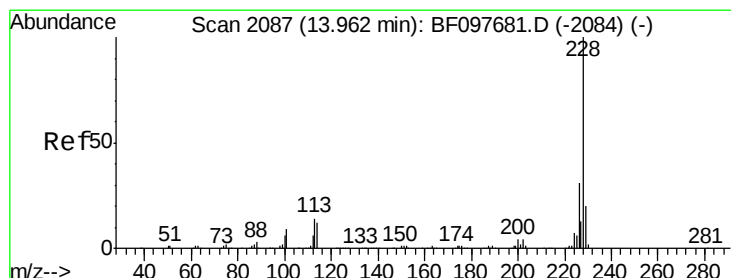
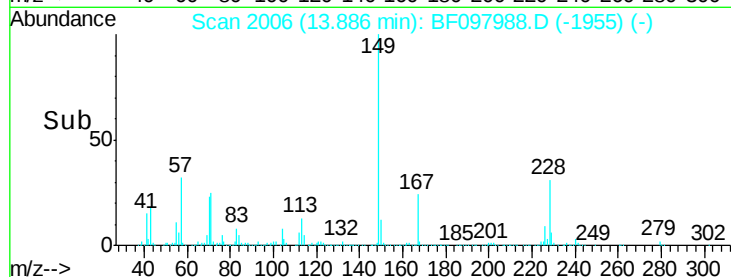
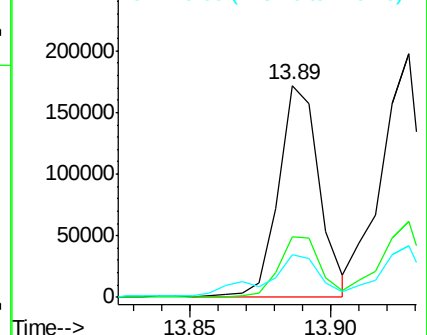
229 20.4 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 16.28 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

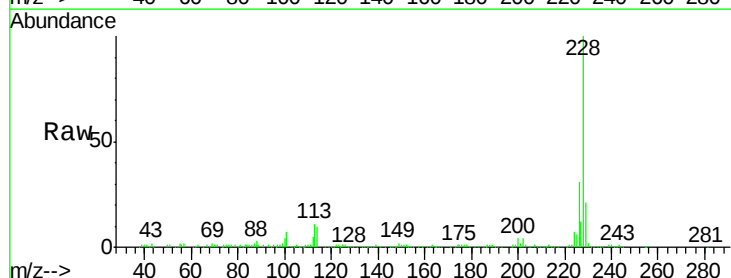
Tgt Ion:228 Resp: 192687

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

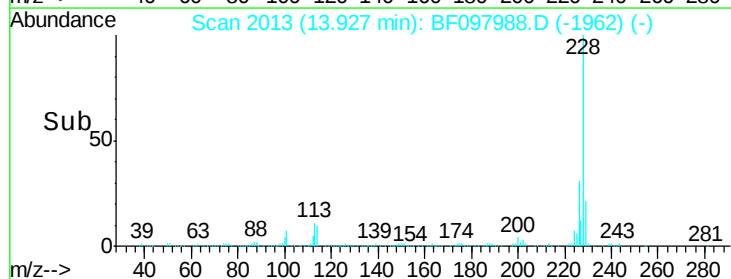
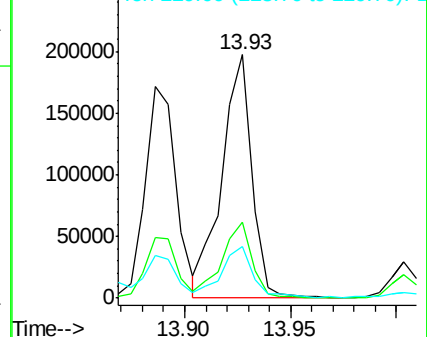
229 21.0 15.8 23.6

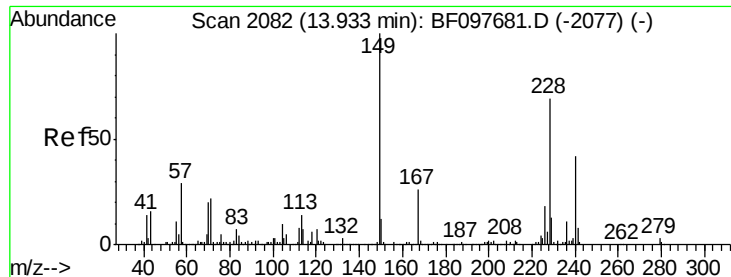


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

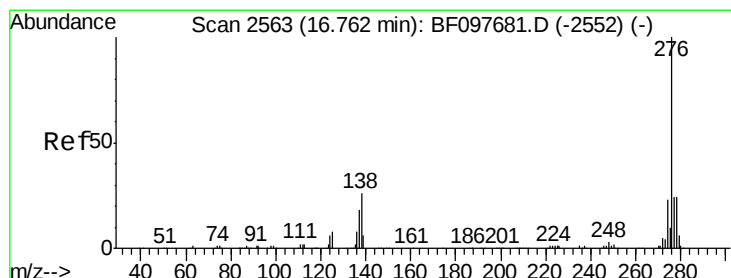
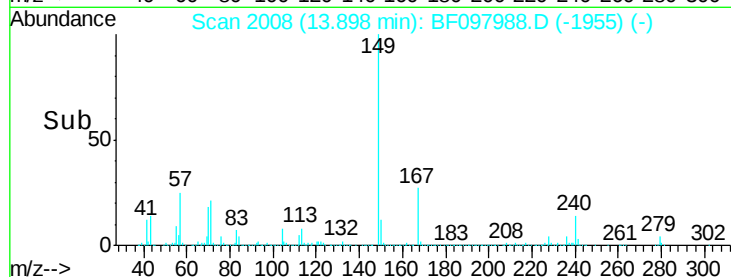
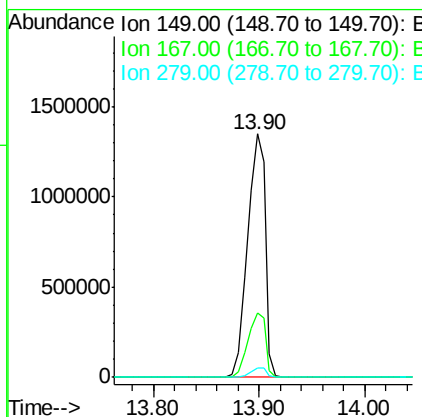
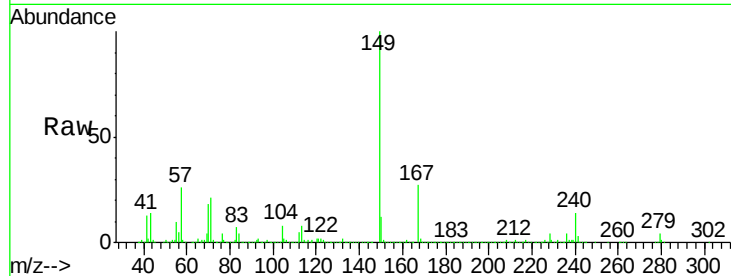




#83
Bis(2-ethylhexyl)phthalate
Concen: 226.43 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

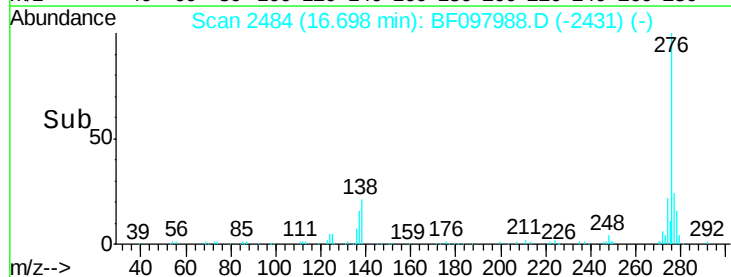
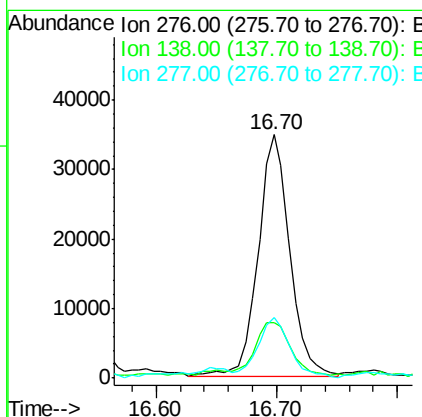
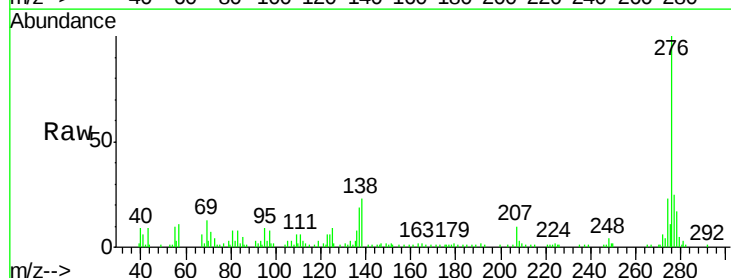
Instrument :
BNA_F
ClientSampleId :
TEC-BE2-1-3-COMP

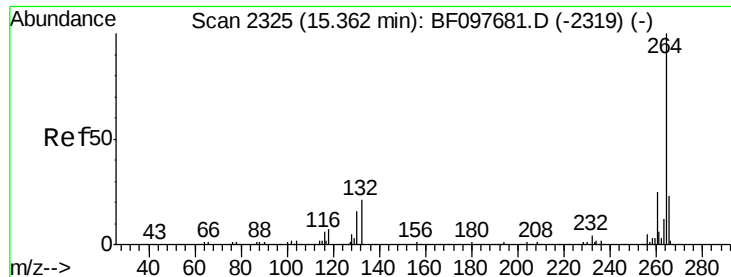
Tot Ion:149 Resp: 1561693
Ion Ratio Lower Upper
149 100
167 26.6 21.0 31.4
279 3.9 1.9 2.9#



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.20 ng
RT: 16.70 min Scan# 2484
Delta R.T. 0.01 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

Tgt Ion:276 Resp: 62700
Ion Ratio Lower Upper
276 100
138 24.9 27.8 41.6#
277 25.9 20.2 30.4

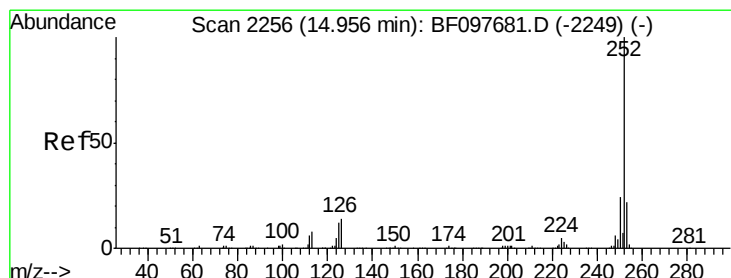
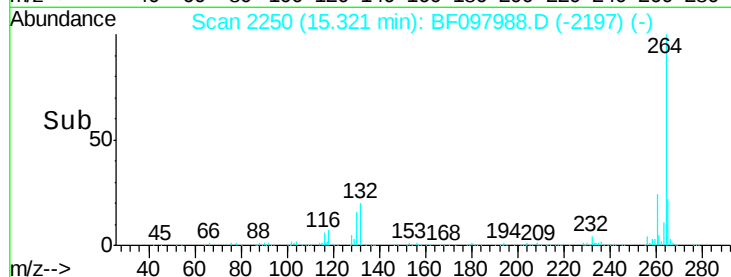
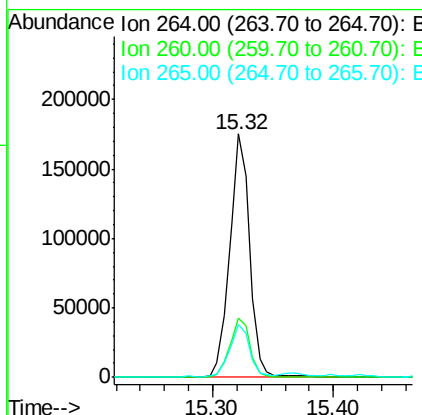
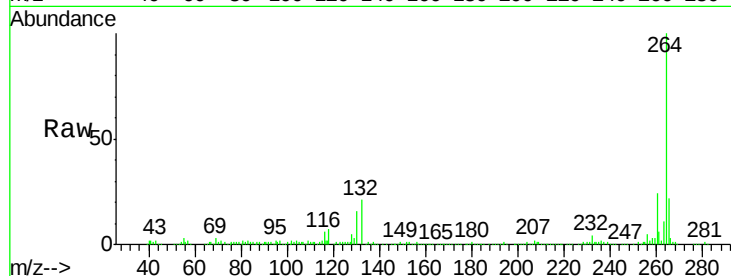




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

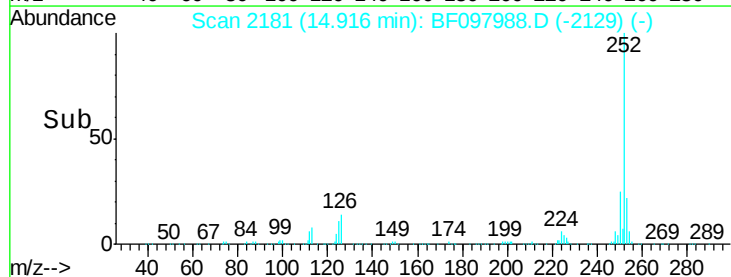
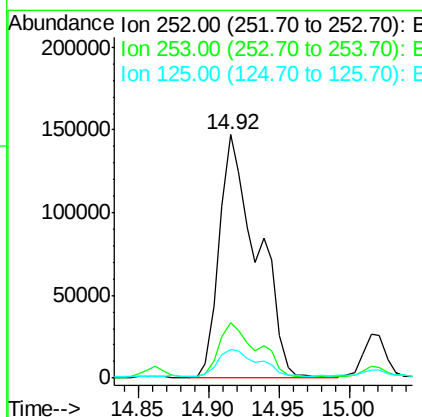
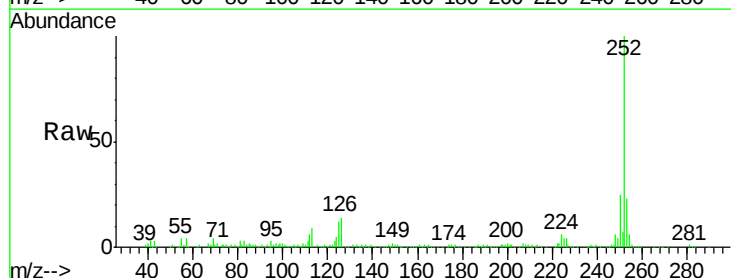
Instrument :
BNA_F
ClientSampleId :
TEC-BE2-1-3-COMP

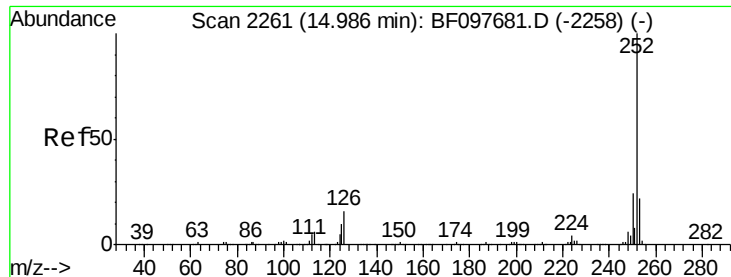
Tot Ion:264 Resp: 201570
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 21.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 21.72 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF097988.D
Acq: 23 Aug 2017 7:57

Tgt Ion:252 Resp: 276017
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 11.9 9.8 14.8





#88

Benzo(k)fluoranthene

Concen: 7.01 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.26 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-1-3-COMP

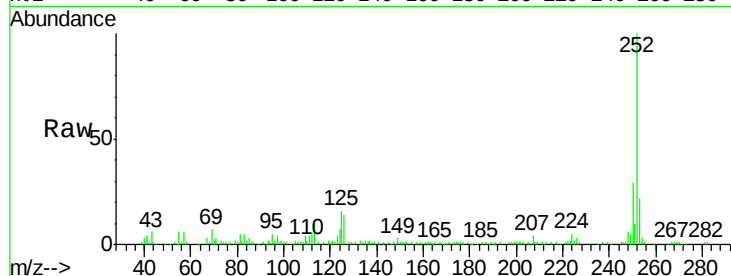
Tot Ion:252 Resp: 83712

Ion Ratio Lower Upper

252 100

253 21.9 18.4 27.6

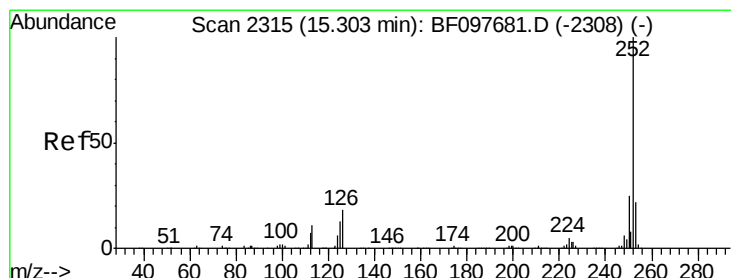
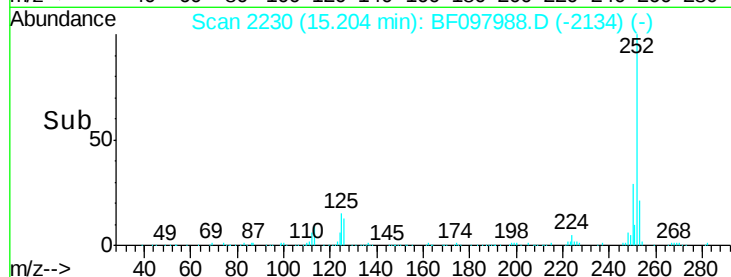
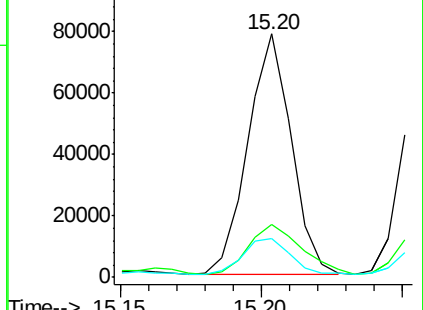
125 16.1 13.1 19.7



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



#89

Benzo(a)pyrene

Concen: 11.57 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.01 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

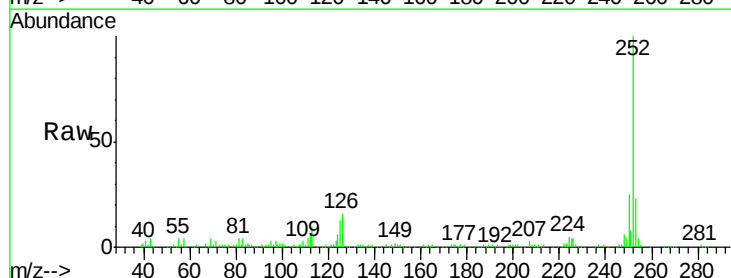
Tgt Ion:252 Resp: 130194

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

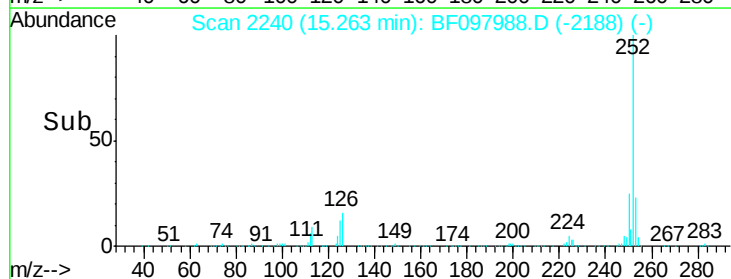
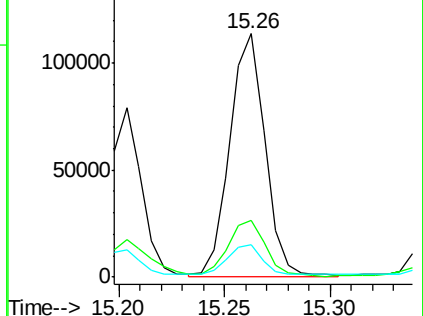
125 13.1 11.0 16.4

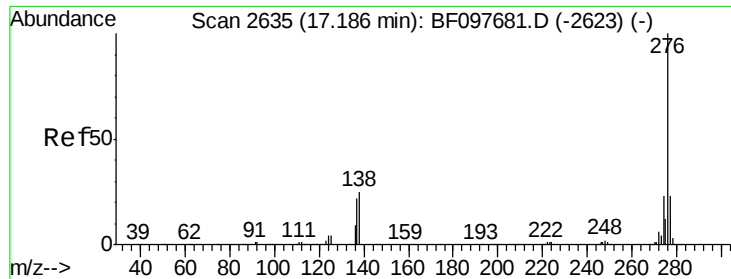


Abundance Ion 252.00 (251.70 to 252.70): E

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: 5.69 ng

RT: 17.11 min Scan# 2554

Delta R.T. 0.00 min

Lab File: BF097988.D

Acq: 23 Aug 2017 7:57

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-1-3-COMP

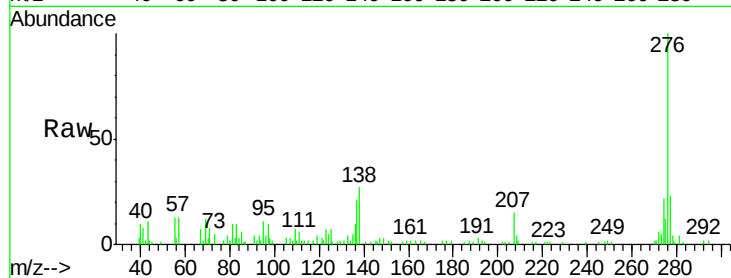
Tot Ion: 276 Resp: 54377

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

138 27.1 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

