

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097488.D
 Acq On : 9 Aug 2017 00:27
 Operator : SJ/JU
 Sample : I4657-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-080717-A

Quant Time: Aug 09 01:04:24 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

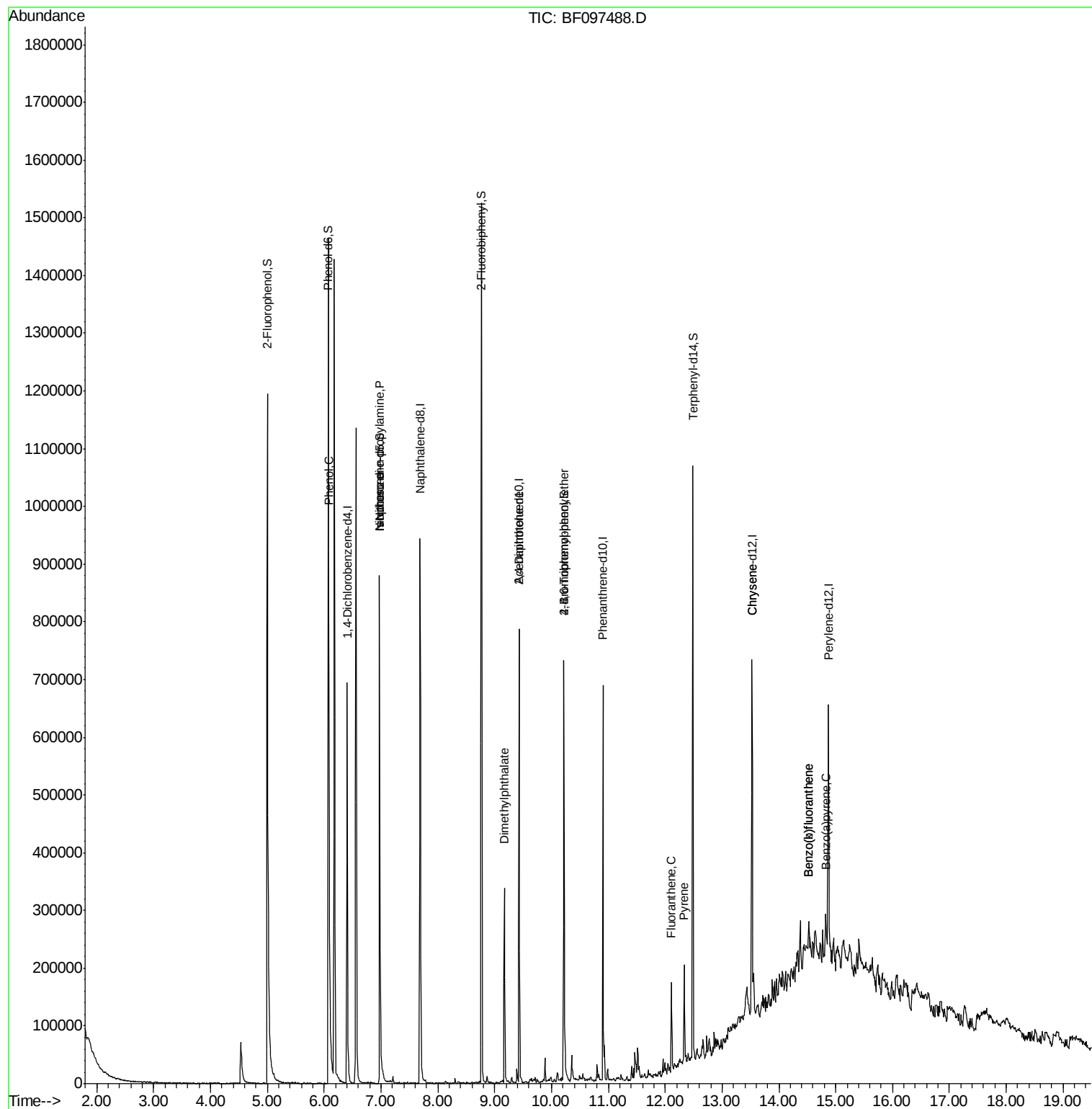
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	105703	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	441561	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	159070	20.00	ng	-0.01
63) Phenanthrene-d10	10.90	188	237029	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	192156	20.00	ng	-0.01
86) Perylene-d12	14.87	264	163080	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	457652	65.27	ng	0.00
7) Phenol-d6	6.07	99	532756	66.55	ng	-0.01
23) Nitrobenzene-d5	6.97	82	288691	38.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	87365	69.51	ng	-0.01
44) 2-Fluorobiphenyl	8.76	172	484399	51.68	ng	-0.01
78) Terphenyl-d14	12.49	244	296195	31.43	ng	-0.01
Target Compounds						
10) Phenol	6.09	94	20263	2.13	ng	# 61
19) n-Nitroso-di-n-propylamine	6.97	70	38231	7.26	ng	# 89
25) Isophorone	6.97	82	288689	19.58	ng	# 67
49) Dimethylphthalate	9.17	163	126135	10.44	ng	99
56) 2,4-Dinitrotoluene	9.43	165	20087	6.82	ng	# 33
66) 4-Bromophenyl-phenylether	10.22	248	5387	2.28	ng	# 1
74) Fluoranthene	12.11	202	58492	4.70	ng	99
77) Pyrene	12.33	202	60786	3.86	ng	97
82) Chrysene	13.52	228	24729	2.04	ng	96
87) Benzo(b)fluoranthene	14.53	252	31900	3.25	ng	# 84
88) Benzo(k)fluoranthene	14.53	252	31849	3.41	ng	# 89
89) Benzo(a)pyrene	14.82	252	20508	2.29	ng	# 84

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

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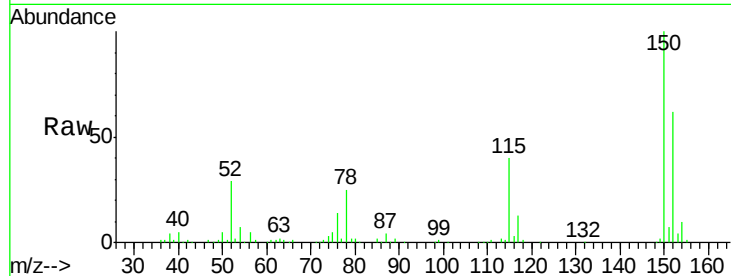


#1

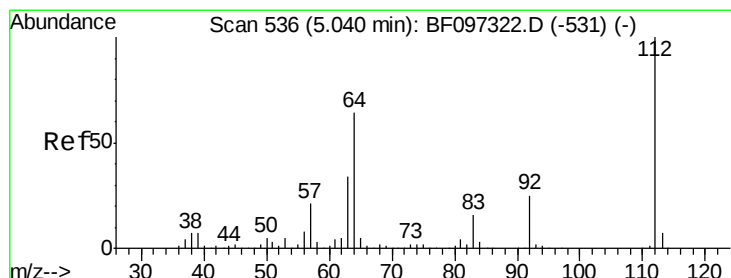
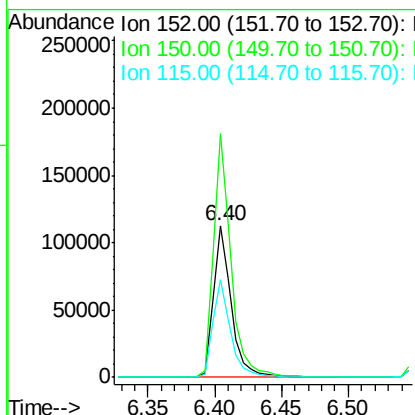
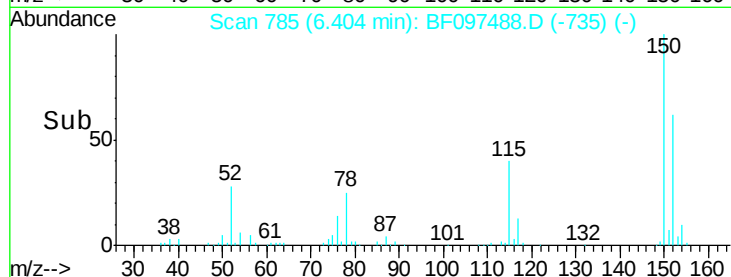
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.40 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF097488.D
 Acq: 9 Aug 2017 00:27

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-080717-A

Tot Ion:152 Resp: 105703
 Ion Ratio Lower Upper
 152 100
 150 160.5 126.2 189.2
 115 64.6 52.2 78.2



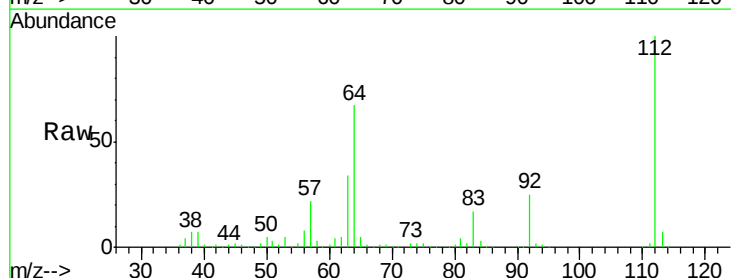
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



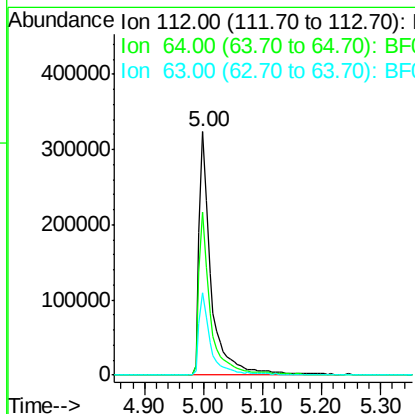
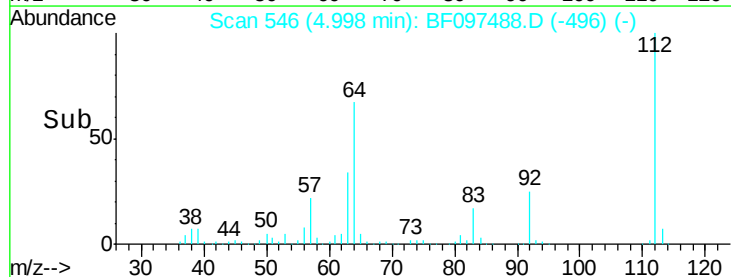
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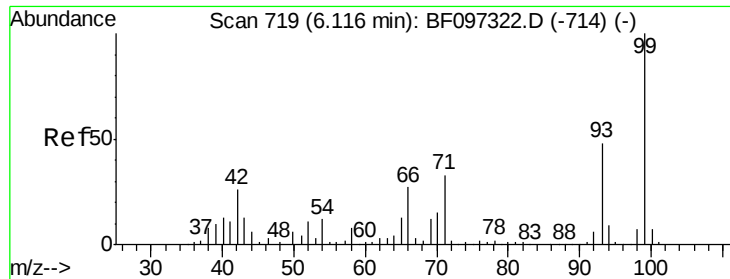
2-Fluorophenol
 Concen: 65.27 ng
 RT: 5.00 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BF097488.D
 Acq: 9 Aug 2017 00:27

Tgt Ion:112 Resp: 457652
 Ion Ratio Lower Upper
 112 100
 64 67.2 46.0 69.0
 63 34.1 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: 66.55 ng

RT: 6.07 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097488.D

Acq: 9 Aug 2017 00:27

Instrument :

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ClientSampleId :

CL-01-080717-A

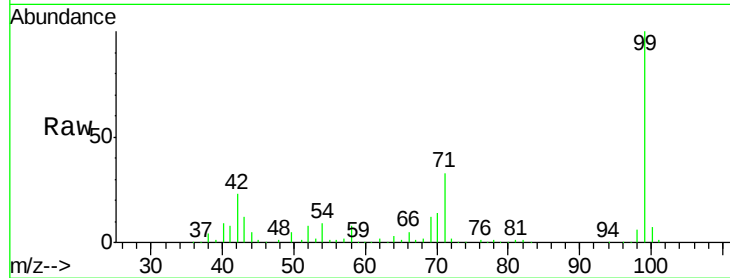
Tot Ion: 99 Resp: 532756

Ion Ratio Lower Upper

99 100

42 23.4 13.5 20.3#

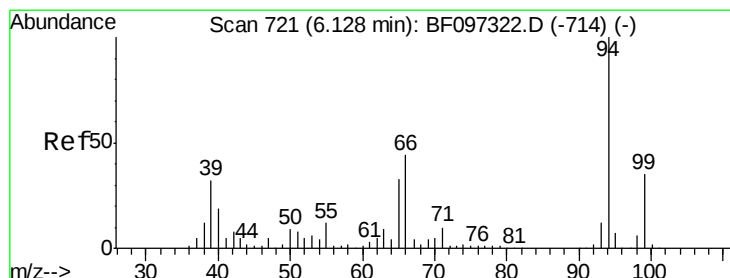
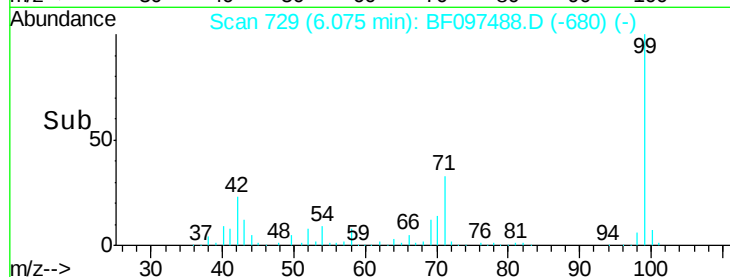
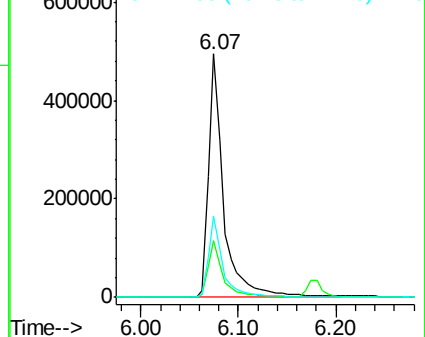
71 33.1 24.5 36.7



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



#10

Phenol

Concen: 2.13 ng

RT: 6.09 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF097488.D

Acq: 9 Aug 2017 00:27

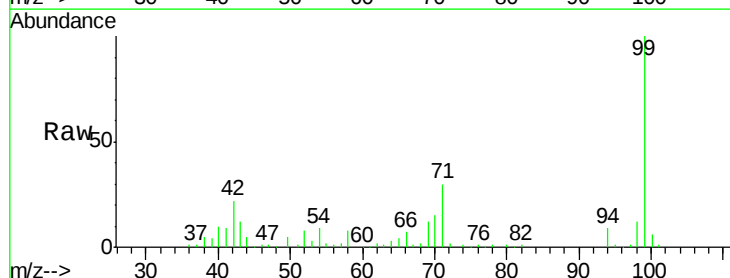
Tgt Ion: 94 Resp: 20263

Ion Ratio Lower Upper

94 100

65 40.9 9.9 49.9

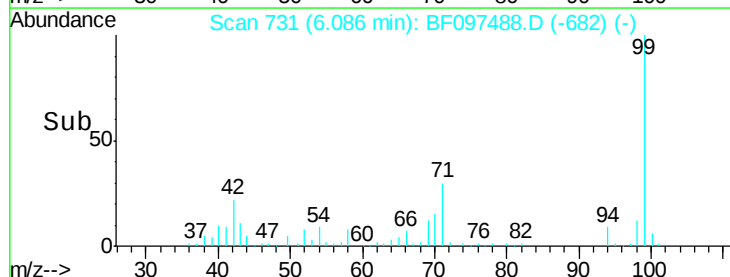
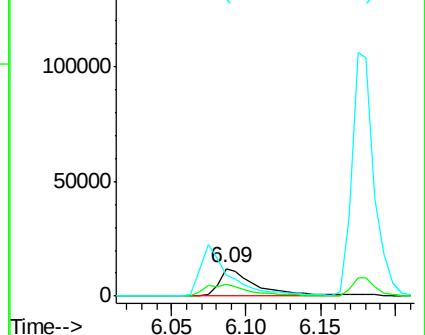
66 76.2 23.1 63.1#

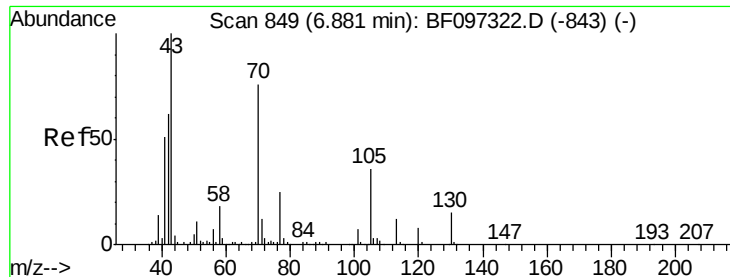


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

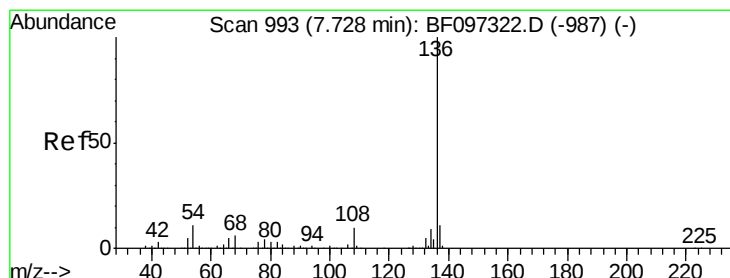
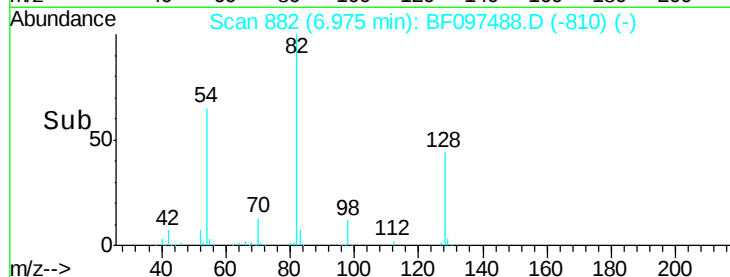
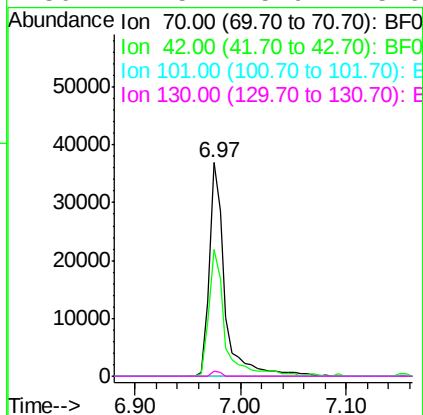
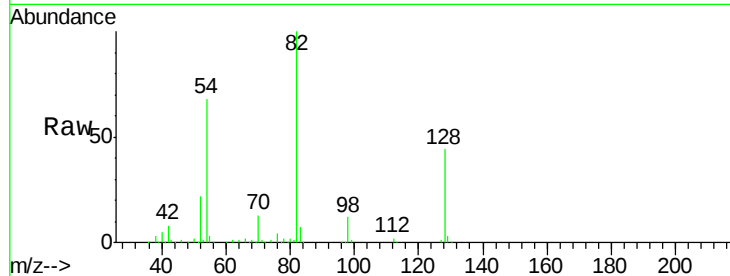




#19
n-Nitroso-di-n-propylamine
Concen: 7.26 ng
RT: 6.97 min Scan# 882
Delta R.T. 0.12 min
Lab File: BF097488.D
Acq: 9 Aug 2017 00:27

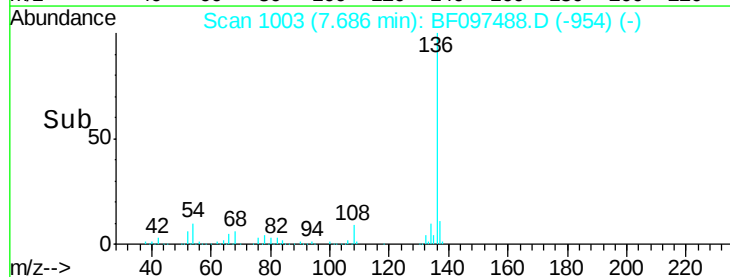
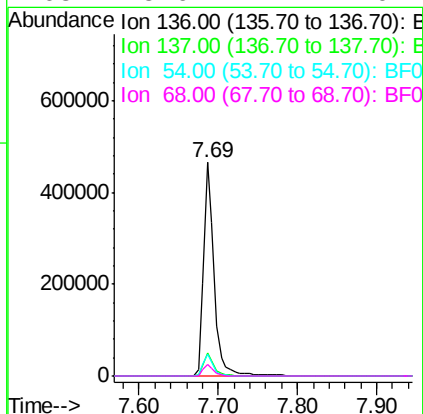
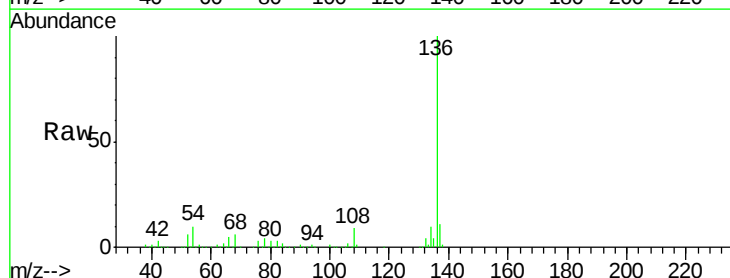
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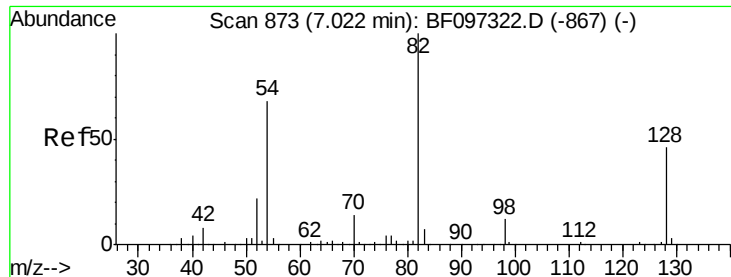
Tot Ion: 70 Resp: 38231
Ion Ratio Lower Upper
70 100
42 59.3 47.2 70.8
101 0.0 7.2 10.8#
130 2.5 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.69 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF097488.D
Acq: 9 Aug 2017 00:27

Tgt Ion: 136 Resp: 441561
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 10.4 4.9 7.3#
68 5.6 4.1 6.1

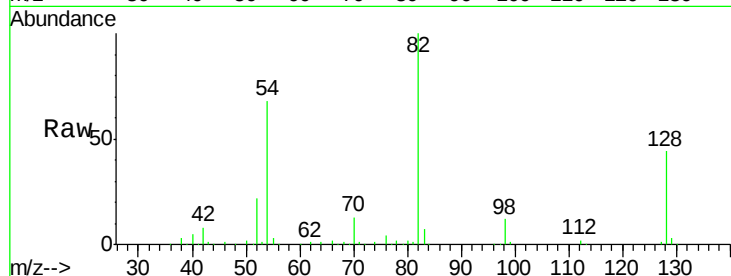




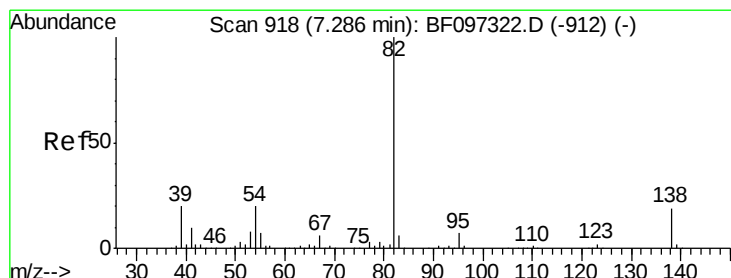
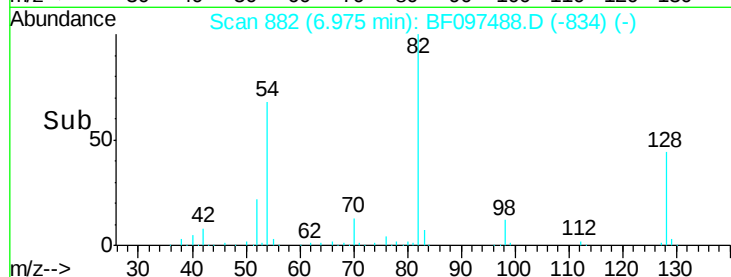
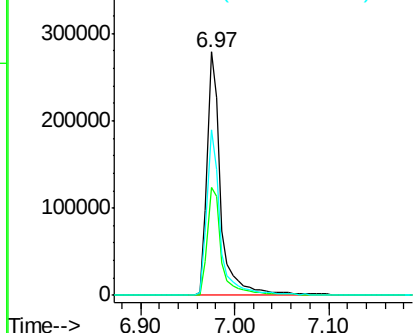
#23
Nitrobenzene-d5
Concen: 38.35 ng
RT: 6.97 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF097488.D
Acq: 9 Aug 2017 00:27

Instrument :
BNA_F
ClientSampleId :
CL-01-080717-A

Tot Ion: 82 Resp: 288691
Ion Ratio Lower Upper
82 100
128 44.5 34.0 51.0
54 68.2 42.2 63.2#

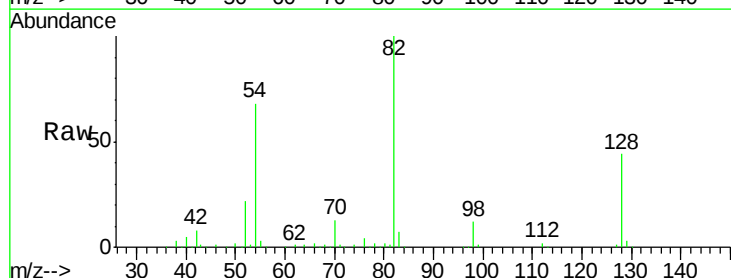


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

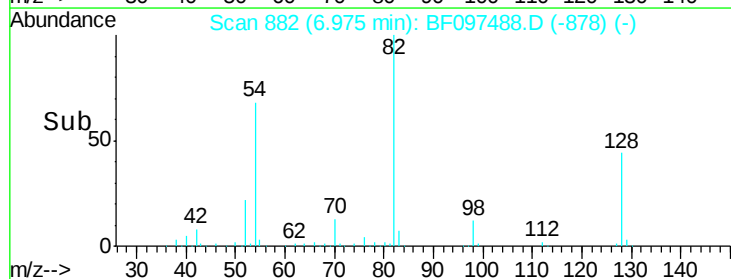
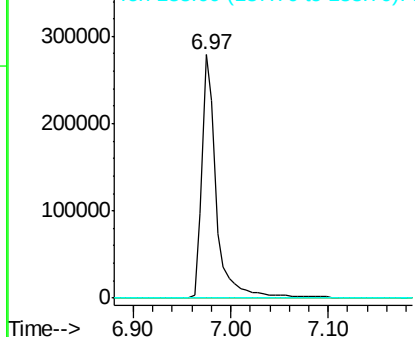


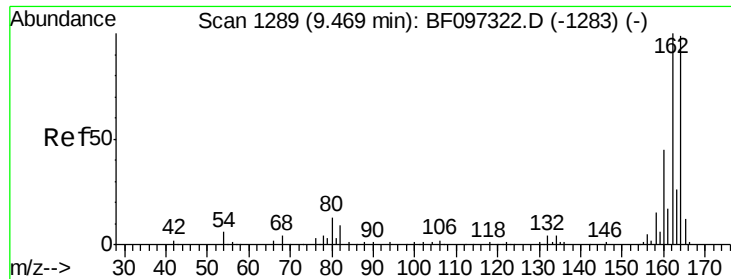
#25
Isophorone
Concen: 19.58 ng
RT: 6.97 min Scan# 882
Delta R.T. -0.28 min
Lab File: BF097488.D
Acq: 9 Aug 2017 00:27

Tgt Ion: 82 Resp: 288689
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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.43 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097488.D

Acq: 9 Aug 2017 00:27

Instrument :

BNA_F

ClientSampleId :

CL-01-080717-A

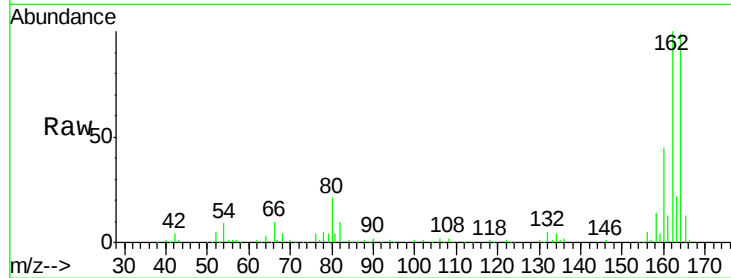
Tot Ion:164 Resp: 159070

Ion Ratio Lower Upper

164 100

162 100.6 82.6 123.8

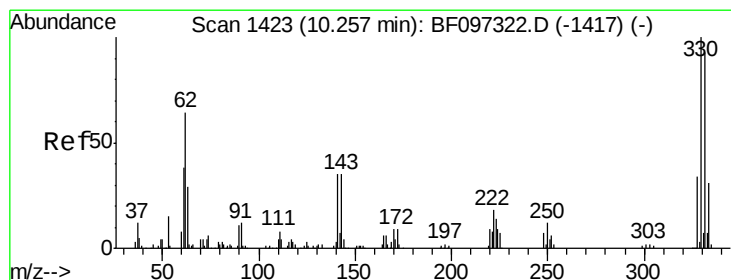
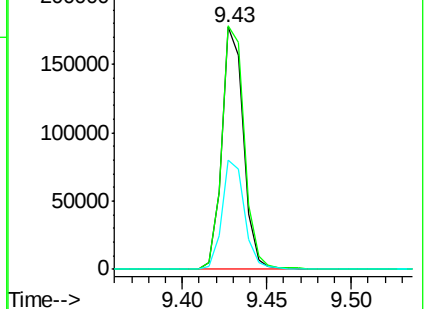
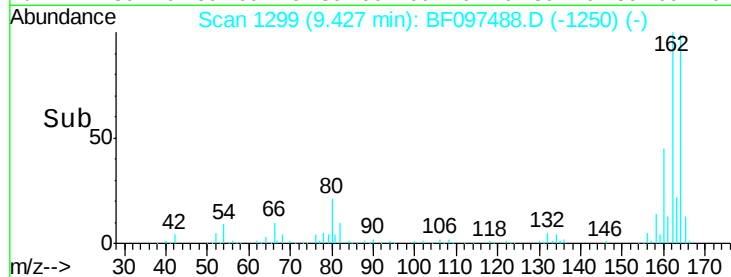
160 45.1 36.2 54.2



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: 69.51 ng

RT: 10.22 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF097488.D

Acq: 9 Aug 2017 00:27

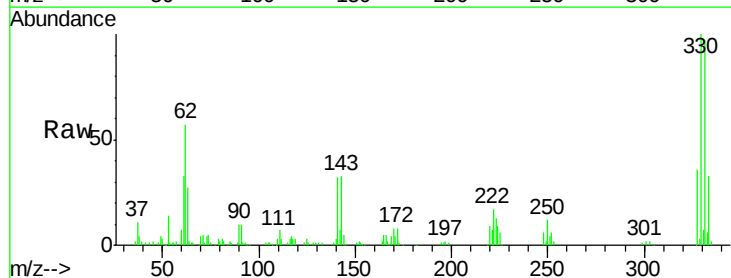
Tgt Ion:330 Resp: 87365

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

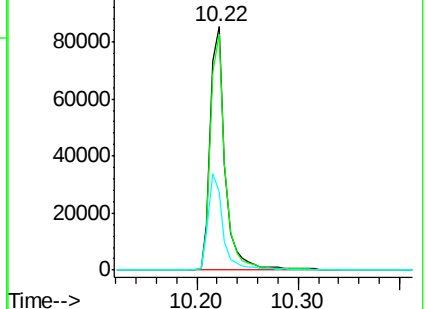
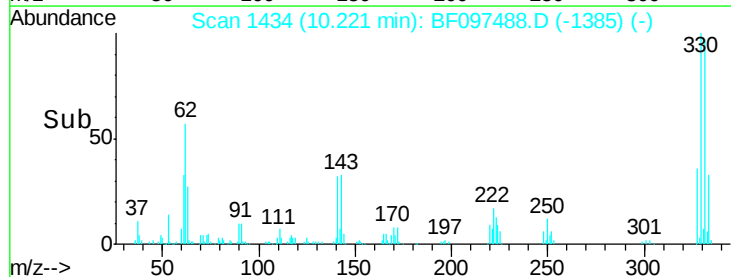
141 39.4 31.4 47.2

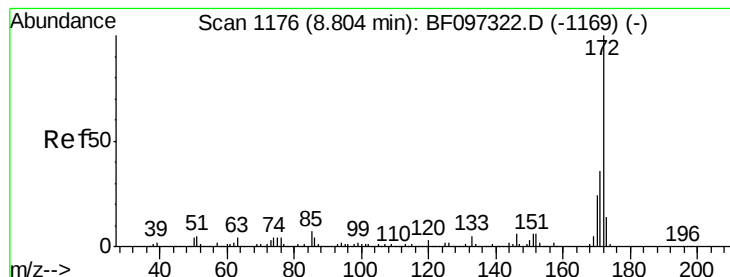


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

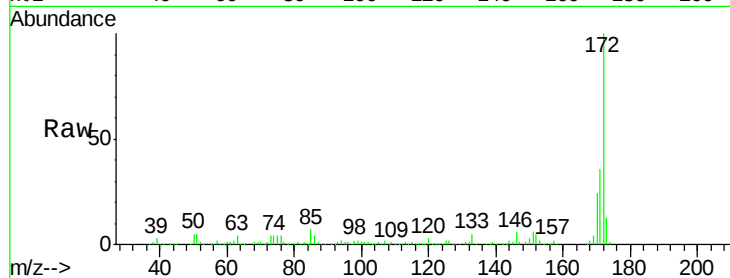




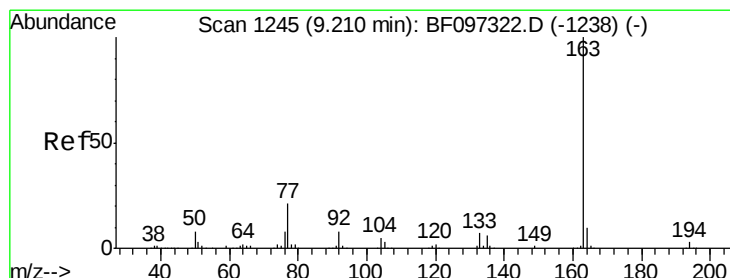
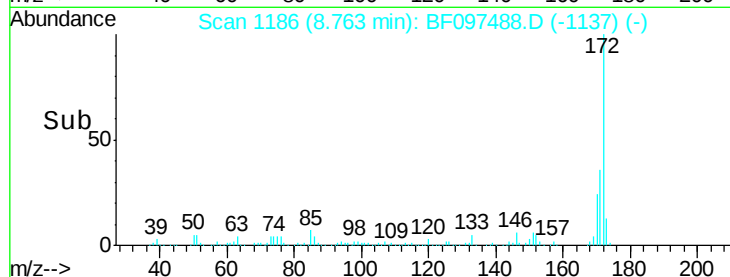
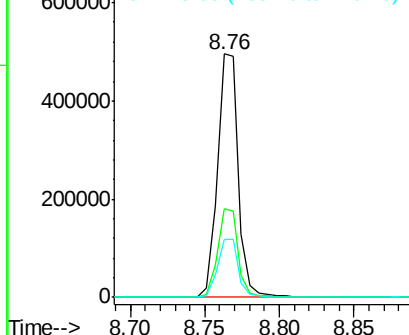
#44
2-Fluorobiphenyl
Concen: 51.68 ng
RT: 8.76 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF097488.D
Acq: 9 Aug 2017 00:27

Instrument :
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CL-01-080717-A

Tot Ion:172 Resp: 484399
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.0 19.8 29.8

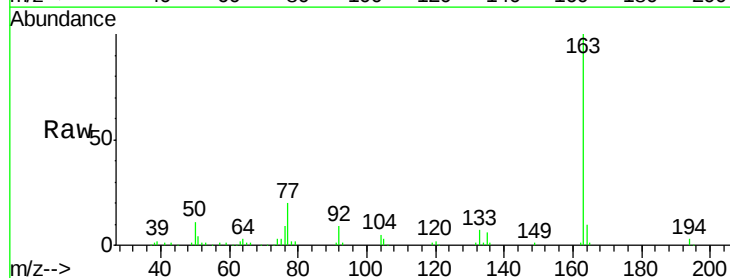


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

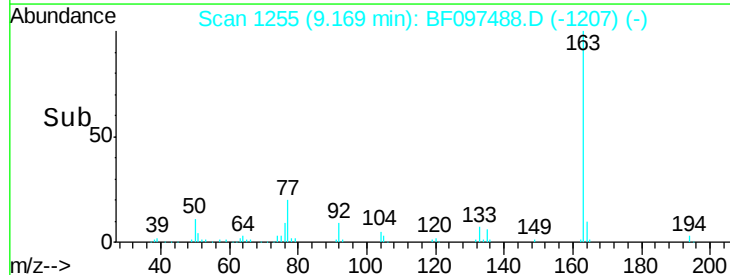
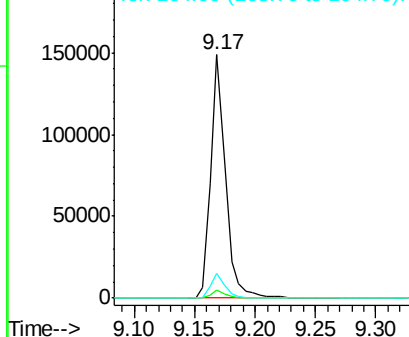


#49
Dimethylphthalate
Concen: 10.44 ng
RT: 9.17 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF097488.D
Acq: 9 Aug 2017 00:27

Tgt Ion:163 Resp: 126135
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.2 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

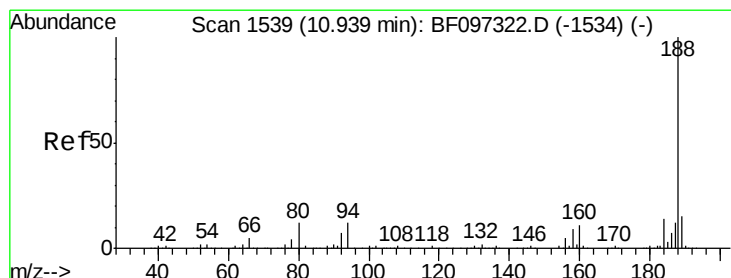
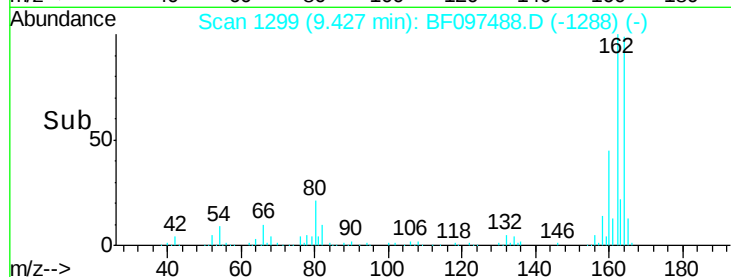
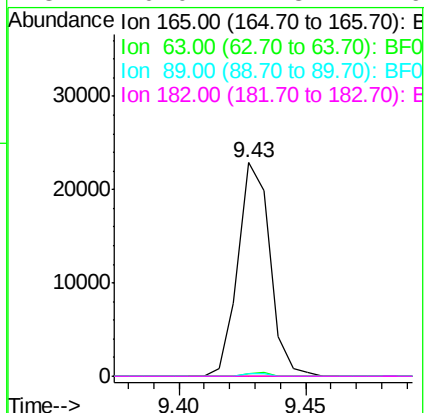
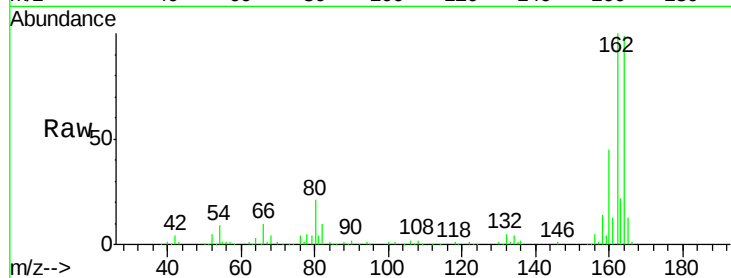




#56
 2,4-Dinitrotoluene
 Concen: 6.82 ng
 RT: 9.43 min Scan# 1299
 Delta R.T. -0.24 min
 Lab File: BF097488.D
 Acq: 9 Aug 2017 00:27

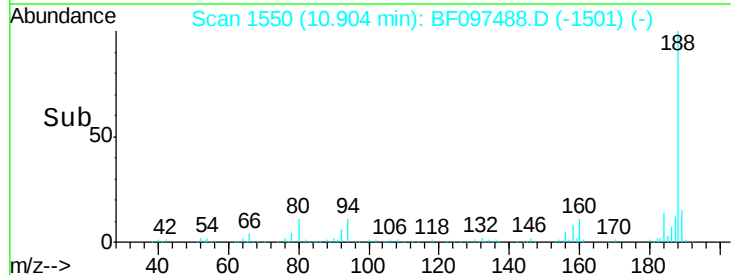
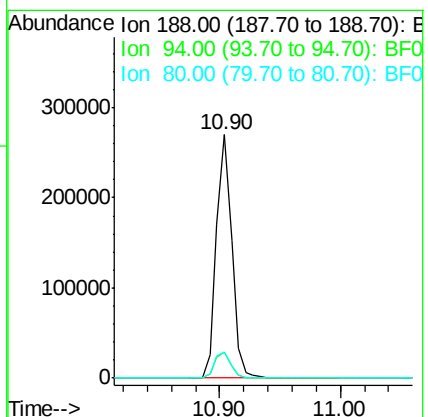
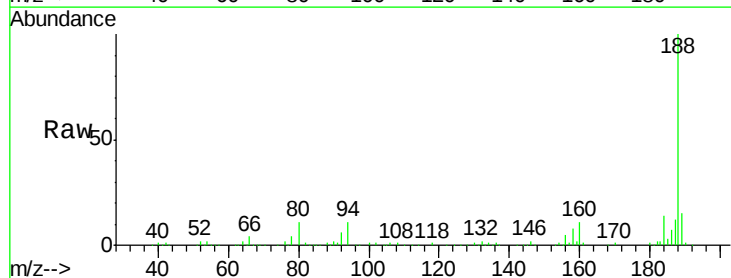
Instrument :
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 ClientSampleId :
 CL-01-080717-A

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.90 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF097488.D
 Acq: 9 Aug 2017 00:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	10.9	10.2	15.2

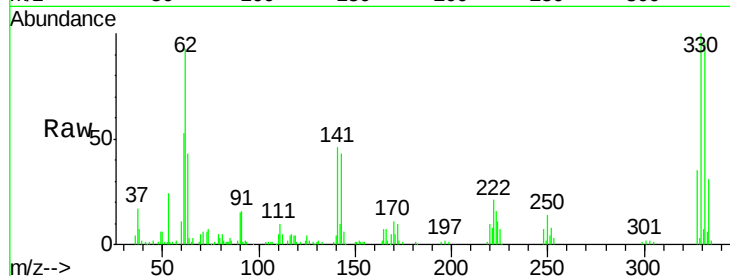




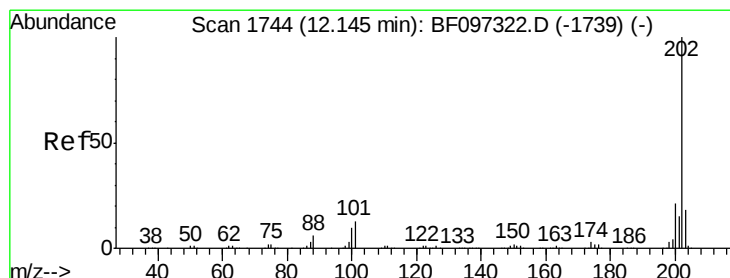
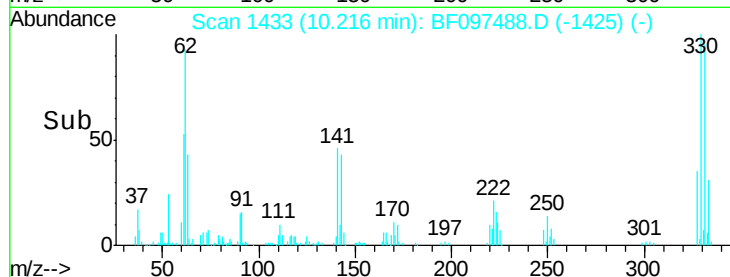
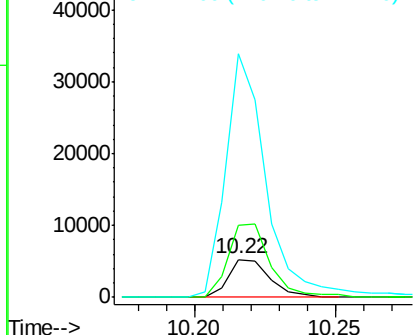
#66
4-Bromophenyl-phenylether
Concen: 2.28 ng
RT: 10.22 min Scan# 1433
Delta R.T. -0.25 min
Lab File: BF097488.D
Acq: 9 Aug 2017 00:27

Instrument :
BNA_F
ClientSampleId :
CL-01-080717-A

Tot Ion:248 Resp: 5387
Ion Ratio Lower Upper
248 100
250 187.9 76.8 115.2#
141 638.3 68.6 103.0#

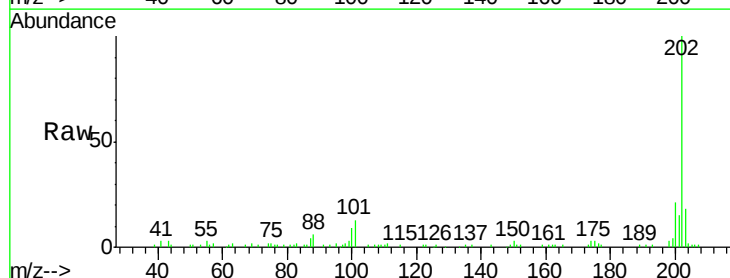


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

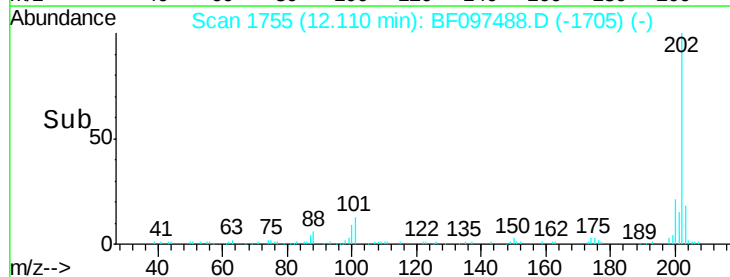
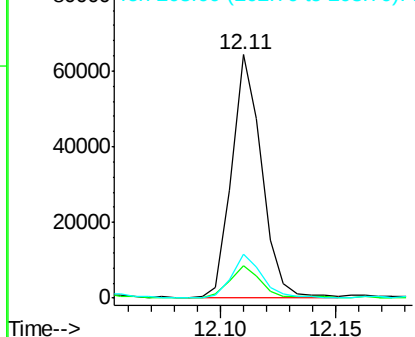


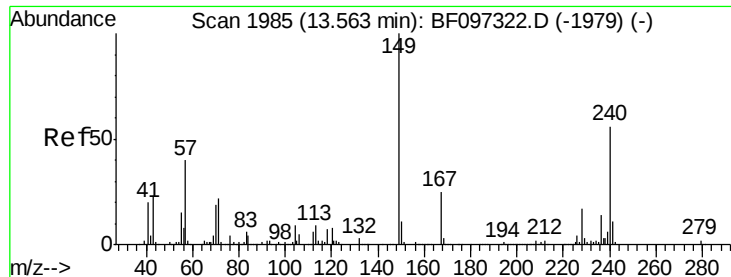
#74
Fluoranthene
Concen: 4.70 ng
RT: 12.11 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF097488.D
Acq: 9 Aug 2017 00:27

Tgt Ion:202 Resp: 58492
Ion Ratio Lower Upper
202 100
101 13.4 0.0 33.2
203 17.8 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: 13.53 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF097488.D

Acq: 9 Aug 2017 00:27

Instrument :

BNA_F

ClientSampleId :

CL-01-080717-A

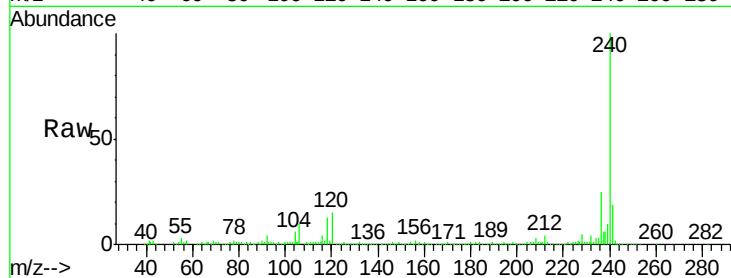
Tot Ion:240 Resp: 192156

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

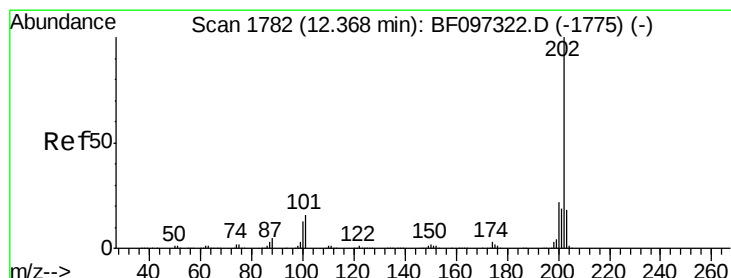
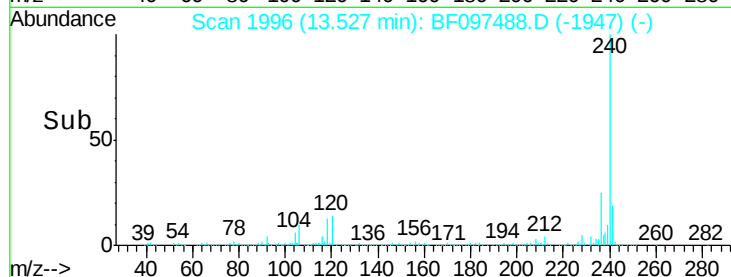
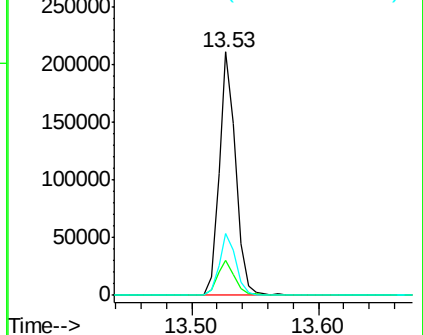
236 25.2 20.5 30.7



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



#77

Pyrene

Concen: 3.86 ng

RT: 12.33 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF097488.D

Acq: 9 Aug 2017 00:27

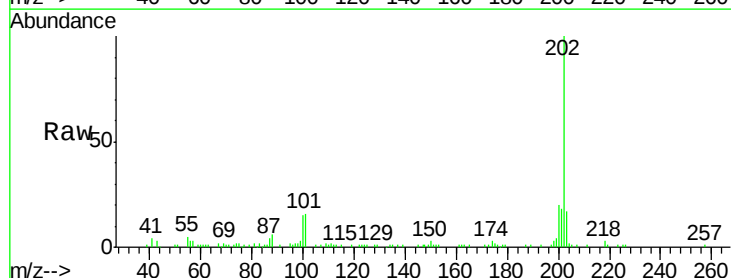
Tgt Ion:202 Resp: 60786

Ion Ratio Lower Upper

202 100

200 19.9 17.6 26.4

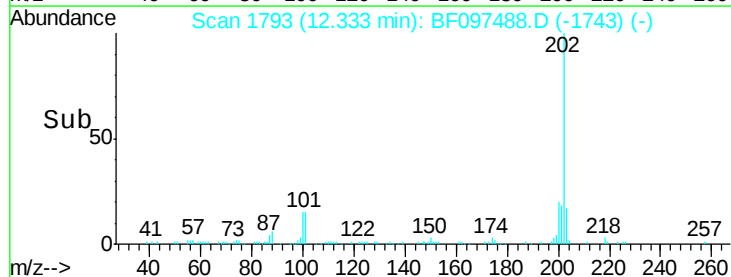
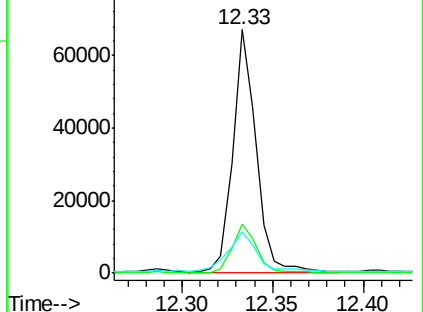
203 17.1 14.4 21.6

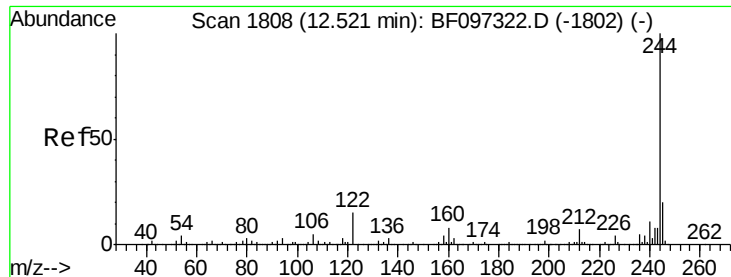


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 31.43 ng

RT: 12.49 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF097488.D

Acq: 9 Aug 2017 00:27

Instrument :

BNA_F

ClientSampleId :

CL-01-080717-A

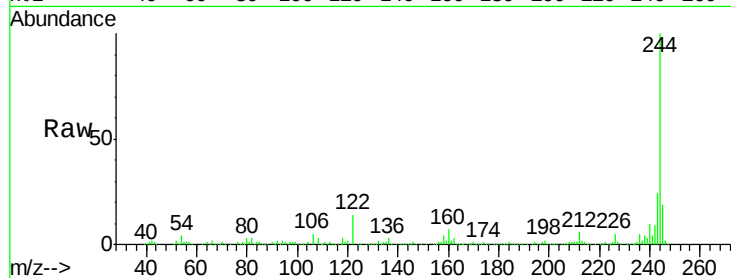
Tot Ion:244 Resp: 296195

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

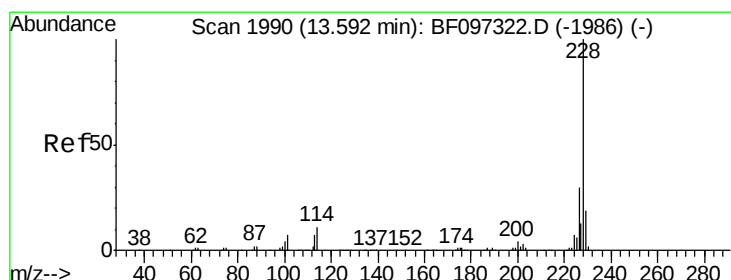
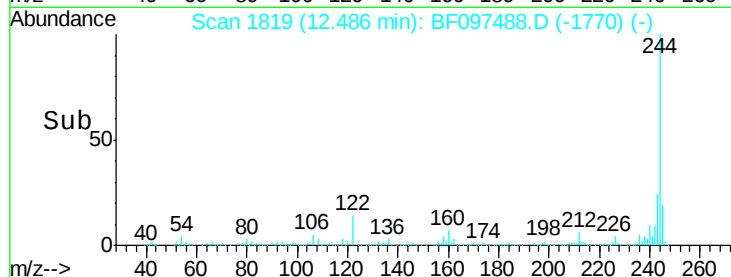
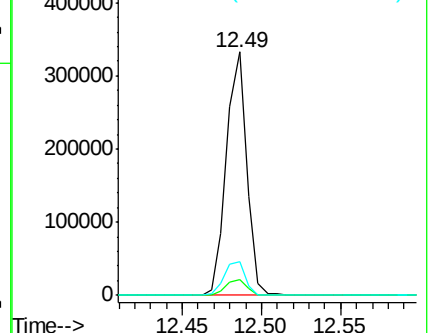
122 13.8 10.3 15.5



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



#82

Chrysene

Concen: 2.04 ng

RT: 13.52 min Scan# 1995

Delta R.T. -0.04 min

Lab File: BF097488.D

Acq: 9 Aug 2017 00:27

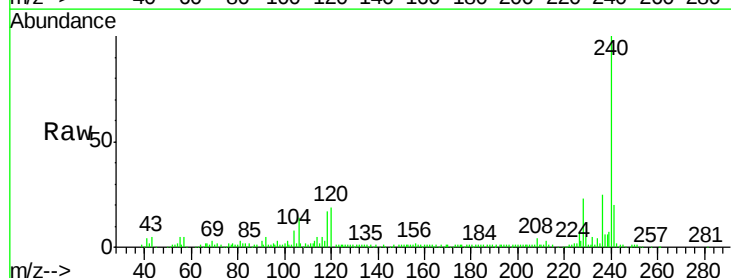
Tgt Ion:228 Resp: 24729

Ion Ratio Lower Upper

228 100

226 29.0 24.9 37.3

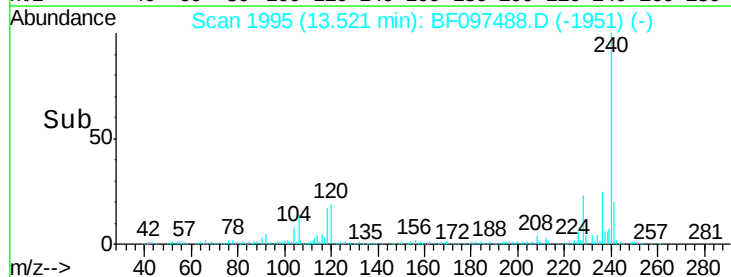
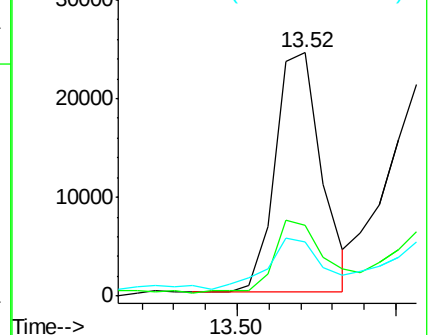
229 22.1 15.8 23.6

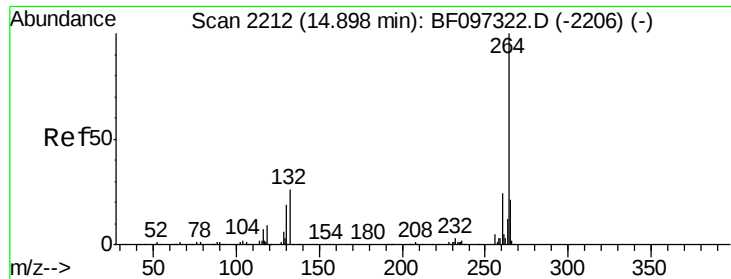


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

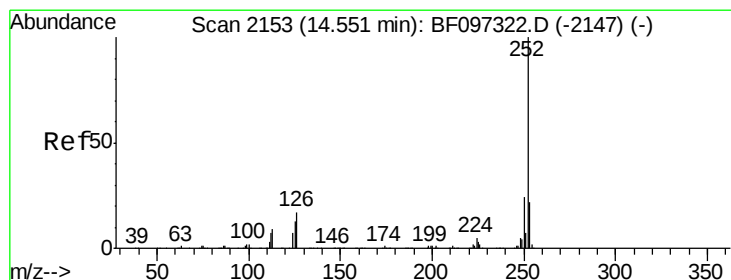
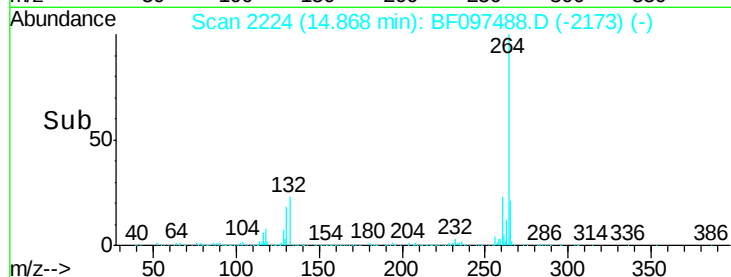
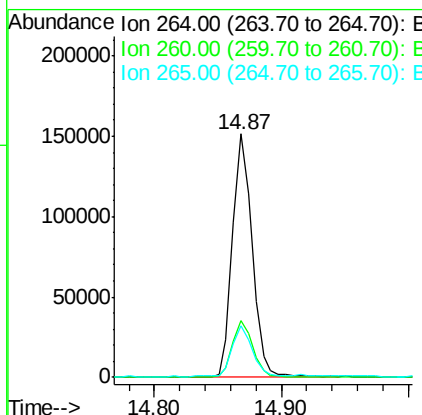
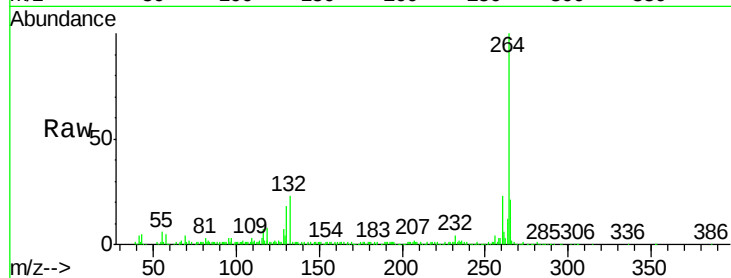




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.87 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF097488.D
Acq: 9 Aug 2017 00:27

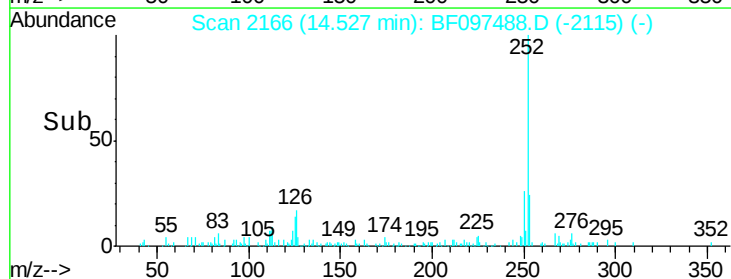
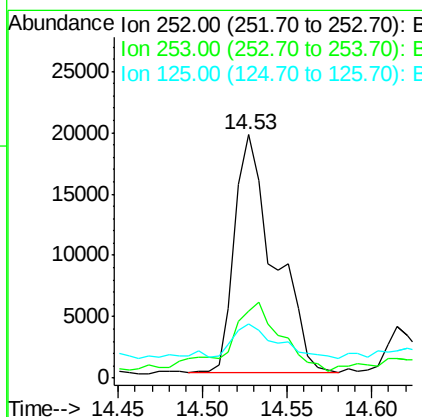
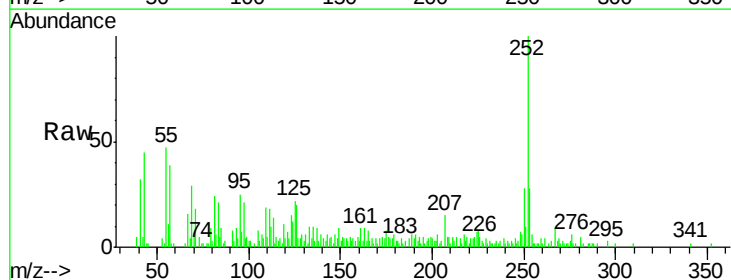
Instrument :
BNA_F
ClientSampleId :
CL-01-080717-A

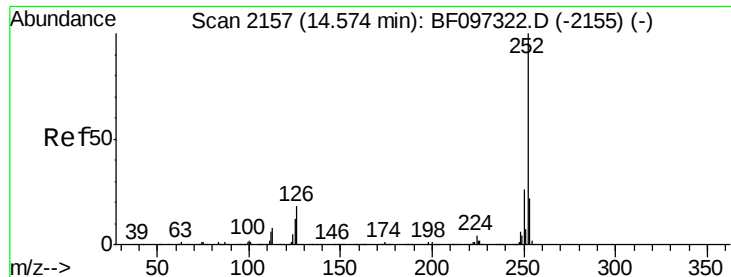
Tot Ion:264 Resp: 163080
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 21.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.25 ng
RT: 14.53 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF097488.D
Acq: 9 Aug 2017 00:27

Tgt Ion:252 Resp: 31900
Ion Ratio Lower Upper
252 100
253 27.7 18.1 27.1#
125 22.1 9.8 14.8#

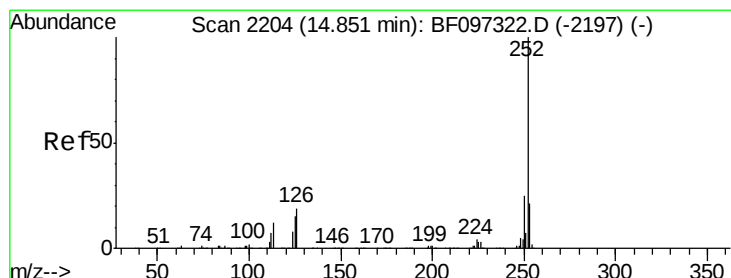
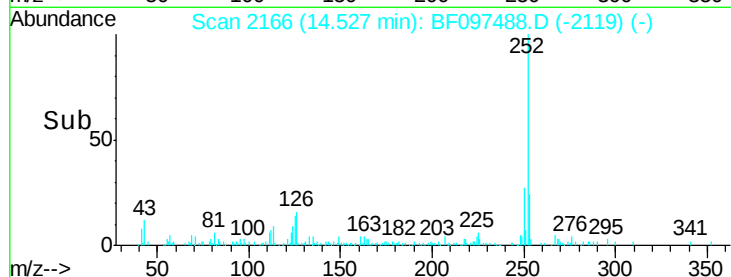
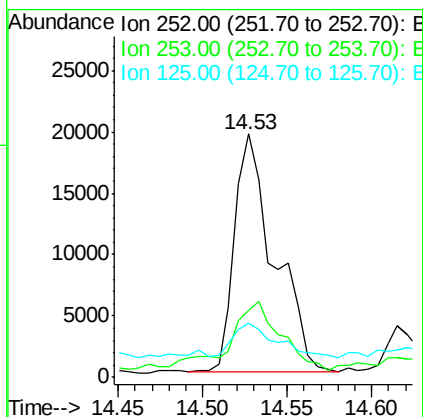
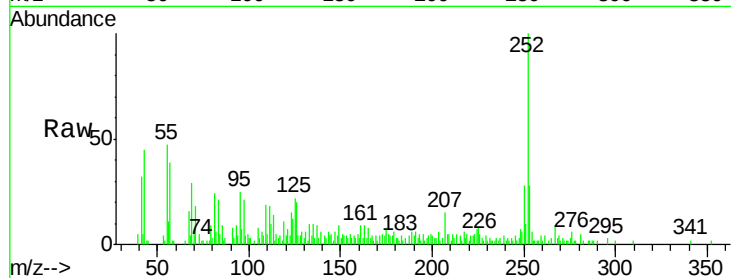




#88
Benzo(k)fluoranthene
Concen: 3.41 ng
RT: 14.53 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF097488.D
Acq: 9 Aug 2017 00:27

Instrument :
BNA_F
ClientSampleId :
CL-01-080717-A

Tot Ion:252 Resp: 31849
Ion Ratio Lower Upper
252 100
253 27.7 18.4 27.6#
125 22.1 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 2.29 ng
RT: 14.82 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF097488.D
Acq: 9 Aug 2017 00:27

Tgt Ion:252 Resp: 20508
Ion Ratio Lower Upper
252 100
253 26.2 17.5 26.3
125 24.9 11.0 16.4#

