

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097456.D
 Acq On : 8 Aug 2017 4:37
 Operator : SJ/JU
 Sample : I4558-04DL 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-5(0-10)COMPDL

Quant Time: Aug 08 06:08:06 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	88265	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	358846	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	139559	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	234978	20.00	ng	0.00
75) Chrysene-d12	13.53	240	192994	20.00	ng	0.00
86) Perylene-d12	14.87	264	136341	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	57651	9.85	ng	0.01
7) Phenol-d6	6.10	99	71472	10.69	ng	0.01
23) Nitrobenzene-d5	6.99	82	49675	8.12	ng	0.00
41) 2,4,6-Tribromophenol	10.23	330	11508	10.44	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	74062	9.01	ng	0.00
78) Terphenyl-d14	12.49	244	49300	5.21	ng	-0.01

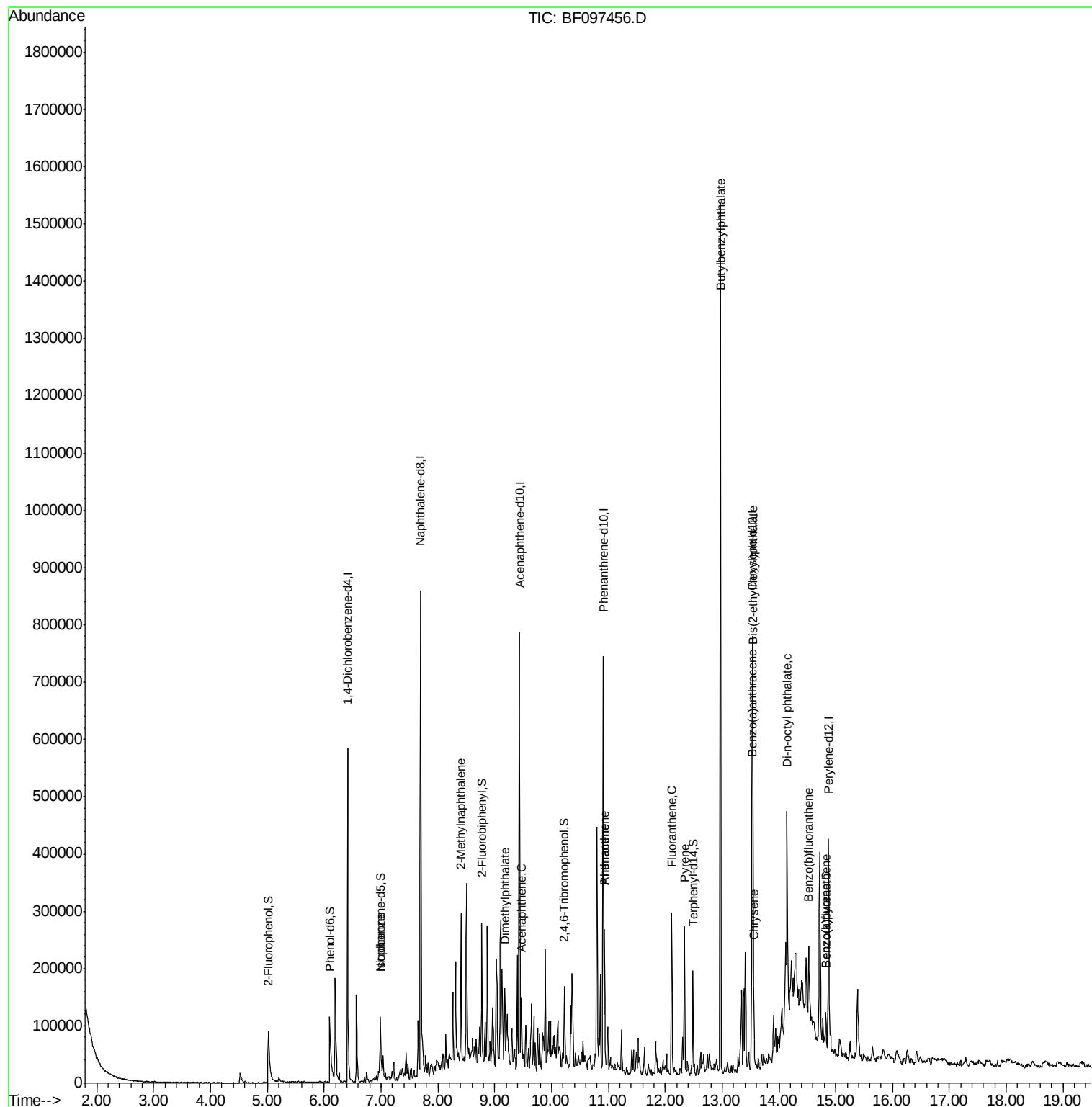
Target Compounds						Qvalue
25) Isophorone	6.99	82	49675	4.15	ng	# 67
37) 2-Methylnaphthalene	8.40	142	74417	6.95	ng	97
49) Dimethylphthalate	9.17	163	41929	3.96	ng	96
51) Acenaphthene	9.47	154	18210	2.30	ng	97
70) Phenanthrene	10.93	178	87493	6.95	ng	98
71) Anthracene	10.93	178	87493	6.78	ng	98
74) Fluoranthene	12.12	202	104625	8.48	ng	97
77) Pyrene	12.34	202	93733	5.93	ng	99
79) Butylbenzylphthalate	12.97	149	352073	43.81	ng	# 81
80) Benzo(a)anthracene	13.52	228	36827	2.95	ng	99
82) Chrysene	13.56	228	37454	3.07	ng	98
83) Bis(2-ethylhexyl)phthalate	13.54	149	114175	10.88	ng	# 66
84) Di-n-octyl phthalate	14.14	149	275026	14.28	ng	# 75
87) Benzo(b)fluoranthene	14.53	252	46086	5.62	ng	# 93
88) Benzo(k)fluoranthene	14.83	252	19926	2.55	ng	96
89) Benzo(a)pyrene	14.83	252	23837	3.18	ng	96

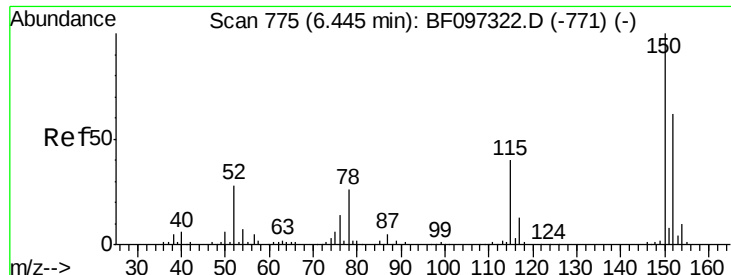
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF097456.D

Acq: 8 Aug 2017 4:37

Instrument :

BNA_F

ClientSampleId :

B-5(0-10)COMPDL

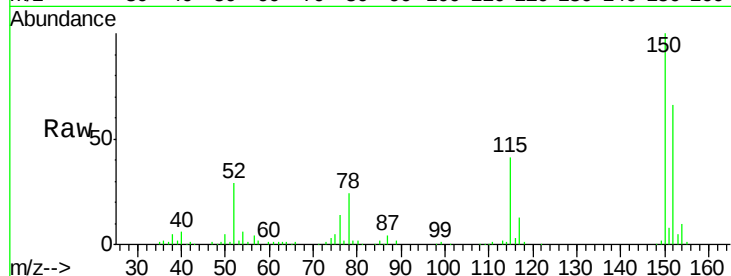
Tot Ion:152 Resp: 88265

Ion Ratio Lower Upper

152 100

150 151.3 126.2 189.2

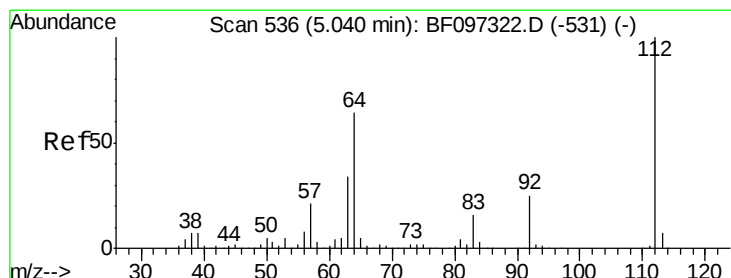
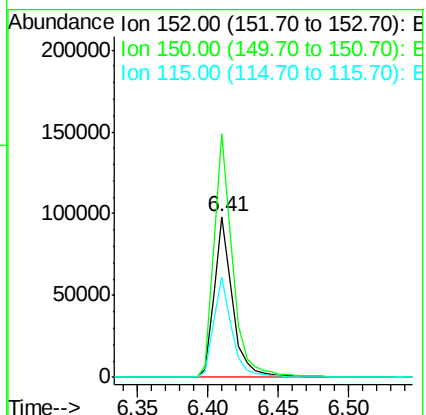
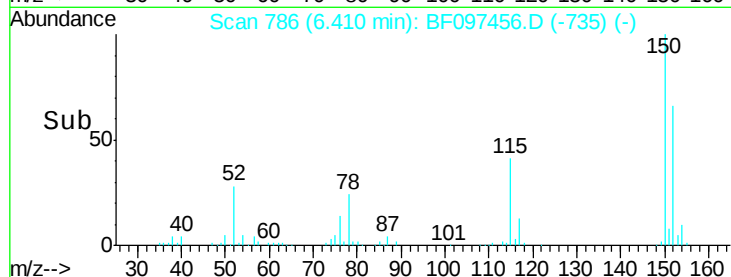
115 62.6 52.2 78.2



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



#5

2-Fluorophenol

Concen: 9.85 ng

RT: 5.02 min Scan# 549

Delta R.T. 0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

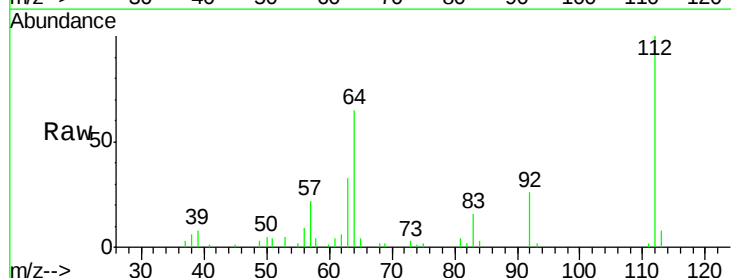
Tgt Ion:112 Resp: 57651

Ion Ratio Lower Upper

112 100

64 64.6 46.0 69.0

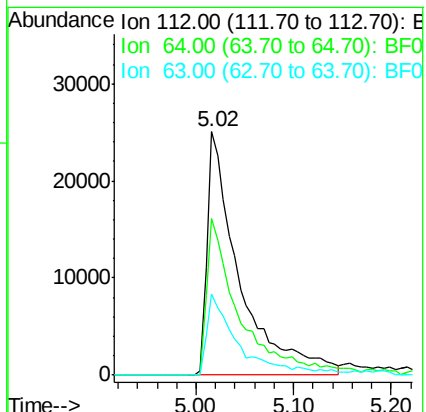
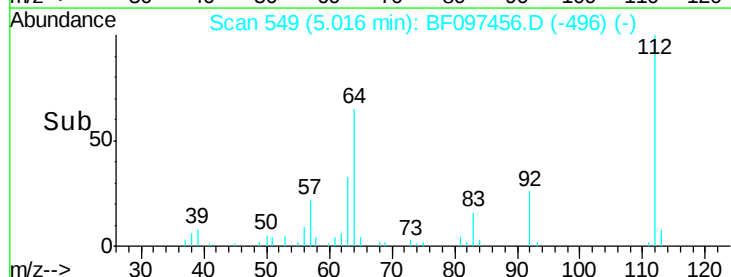
63 33.2 23.4 35.0

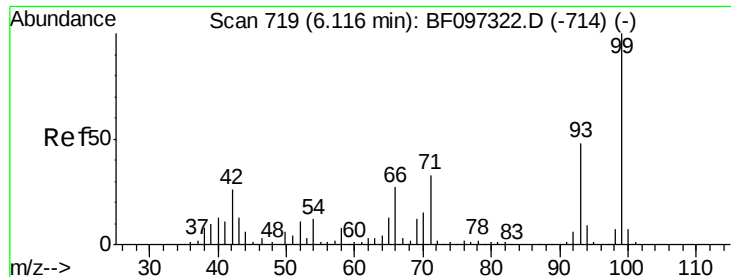


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 10.69 ng

RT: 6.10 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Instrument :

BNA_F

ClientSampleId :

B-5(0-10)COMPDL

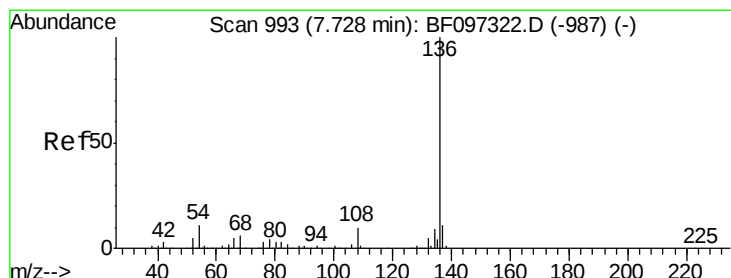
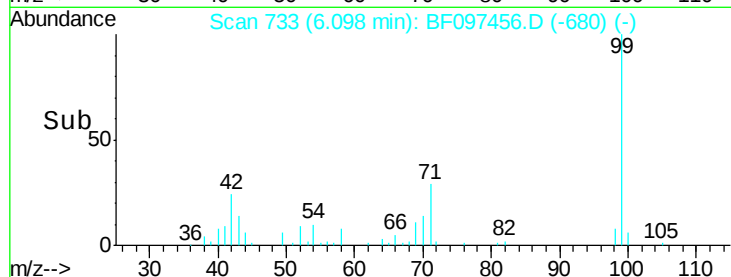
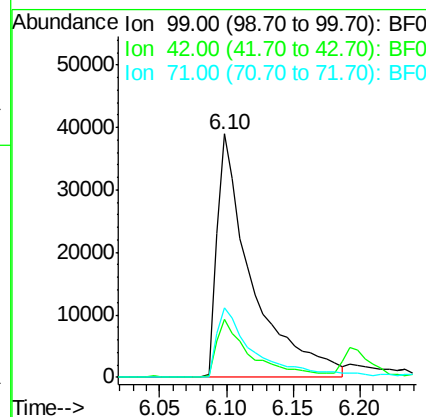
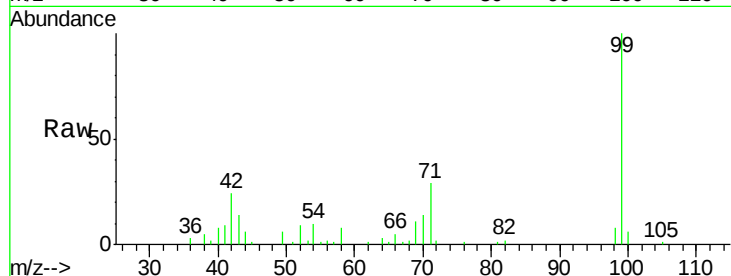
Tot Ion: 99 Resp: 71472

Ion Ratio Lower Upper

99 100

42 24.0 13.5 20.3#

71 28.7 24.5 36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.69 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Tgt Ion: 136 Resp: 358846

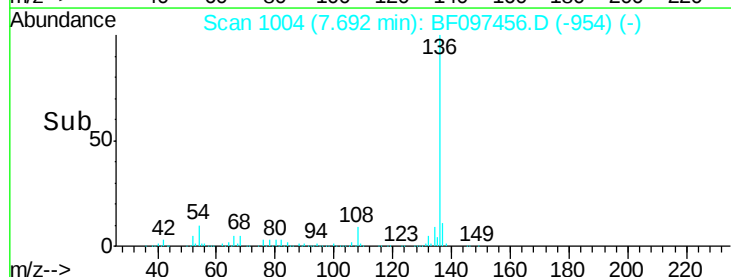
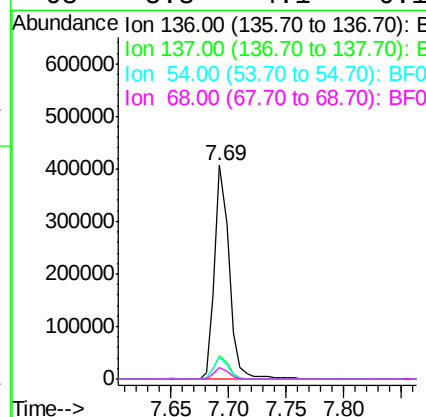
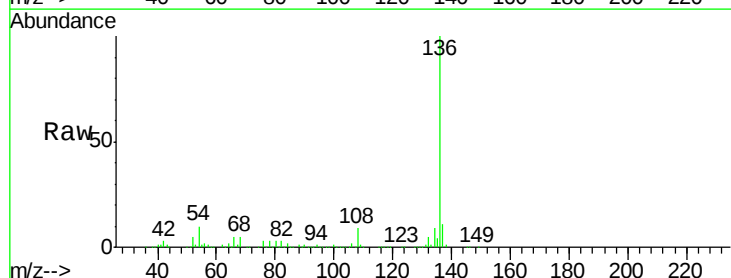
Ion Ratio Lower Upper

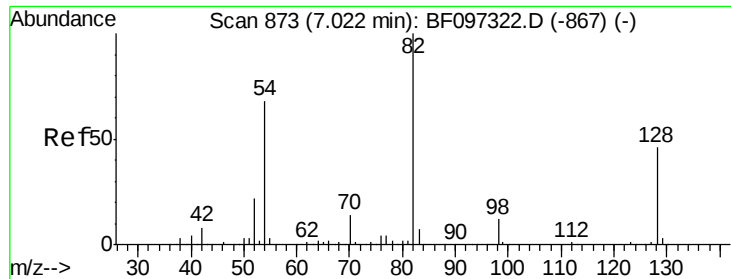
136 100

137 11.0 8.5 12.7

54 10.2 4.9 7.3#

68 5.3 4.1 6.1

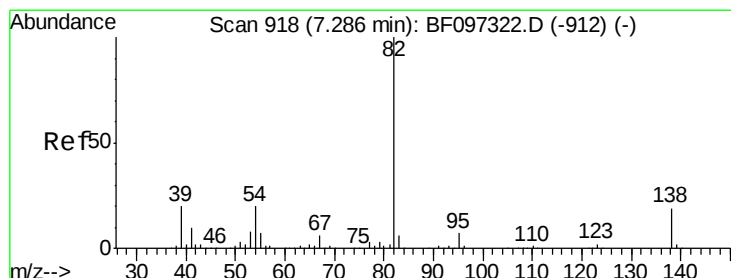
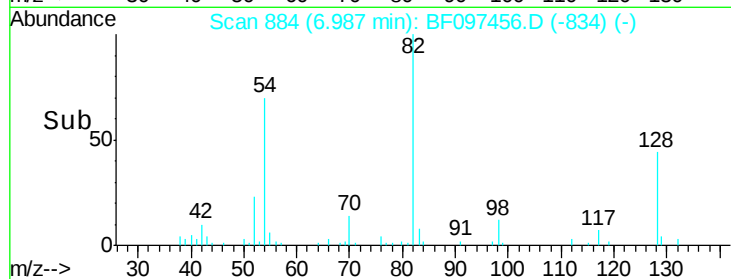
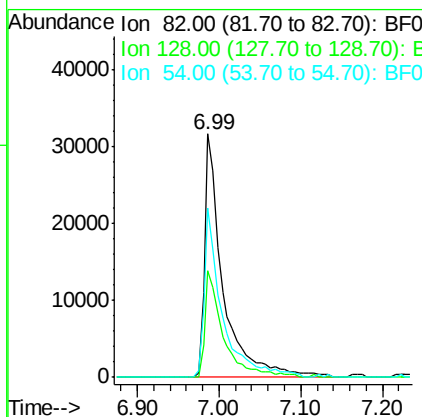
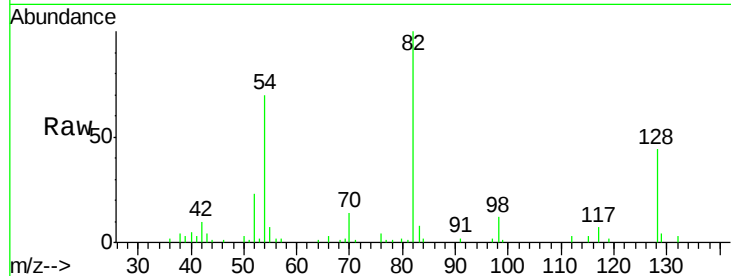




#23
Nitrobenzene-d5
Concen: 8.12 ng
RT: 6.99 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

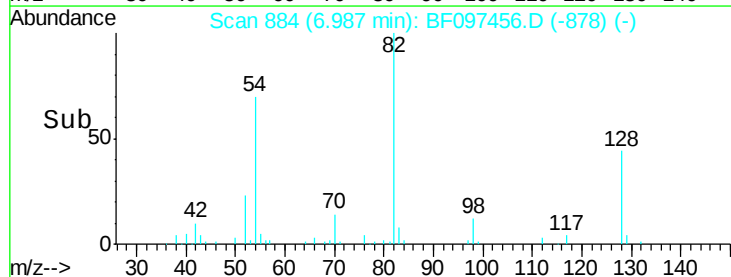
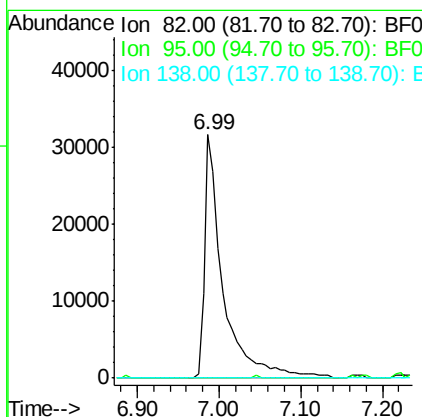
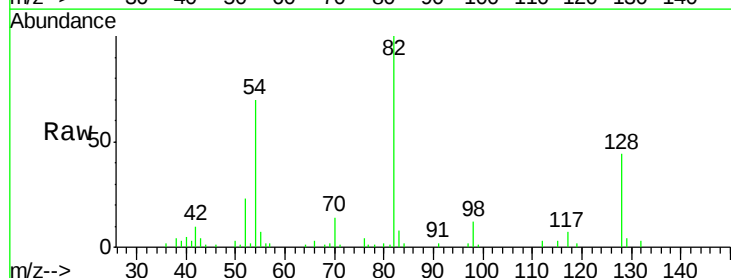
Instrument :
BNA_F
ClientSampleId :
B-5(0-10)COMPDL

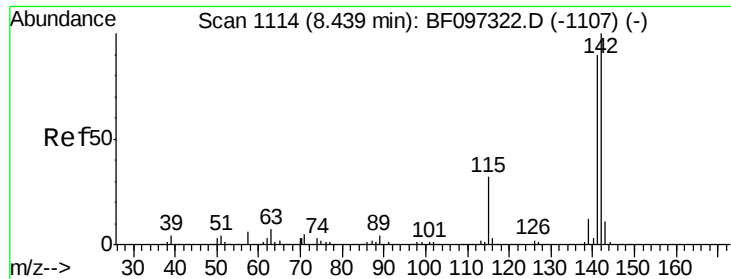
Tot Ion: 82 Resp: 49675
Ion Ratio Lower Upper
82 100
128 43.9 34.0 51.0
54 69.5 42.2 63.2#



#25
Isophorone
Concen: 4.15 ng
RT: 6.99 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Tgt Ion: 82 Resp: 49675
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#

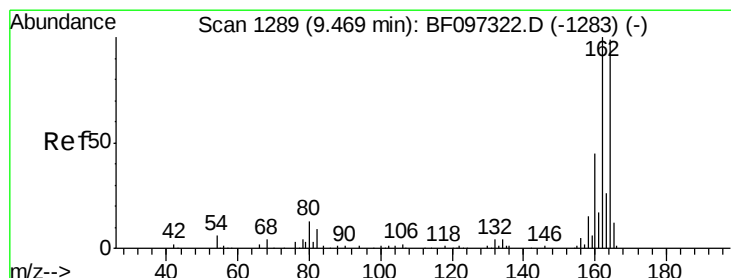
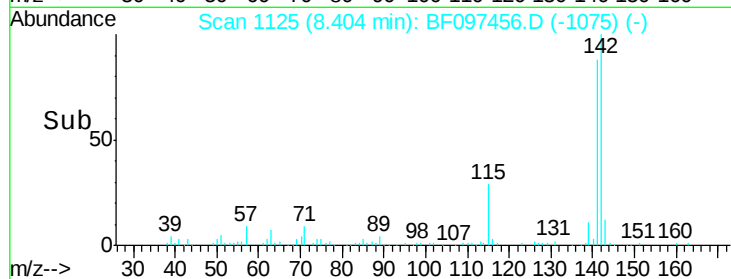
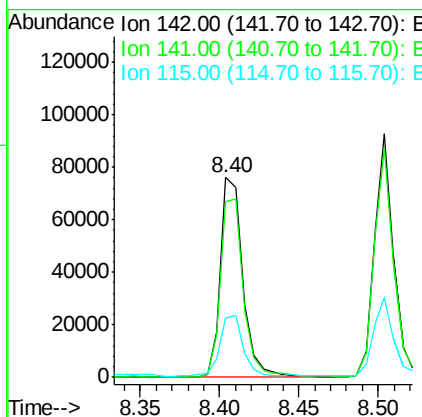
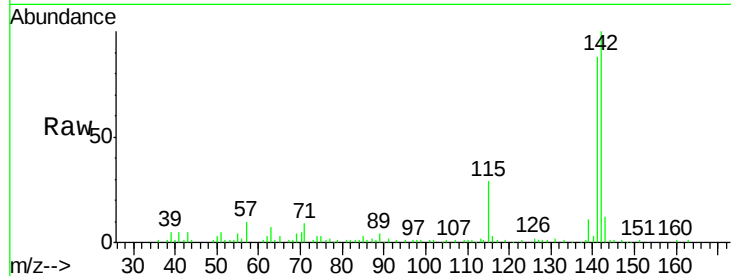




#37
2-Methylnaphthalene
Concen: 6.95 ng
RT: 8.40 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

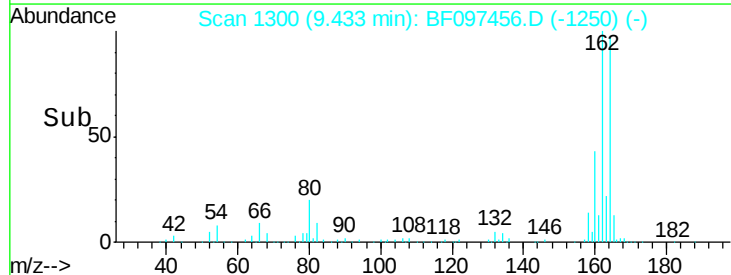
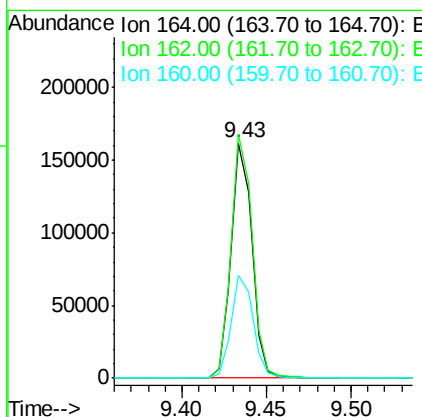
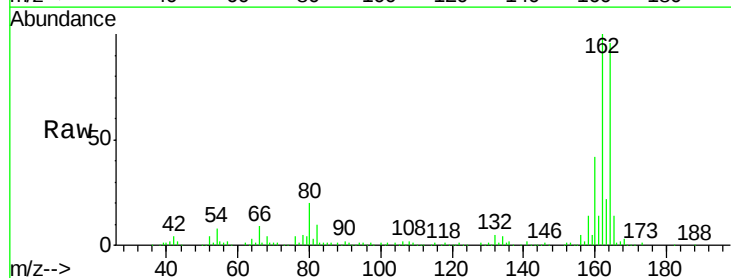
Instrument :
BNA_F
ClientSampleId :
B-5(0-10)COMPDL

Tot Ion:142 Resp: 74417
Ion Ratio Lower Upper
142 100
141 88.3 71.3 106.9
115 29.4 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: BF097456.D
Acq: 8 Aug 2017 4:37

Tgt Ion:164 Resp: 139559
Ion Ratio Lower Upper
164 100
162 103.6 82.6 123.8
160 44.0 36.2 54.2

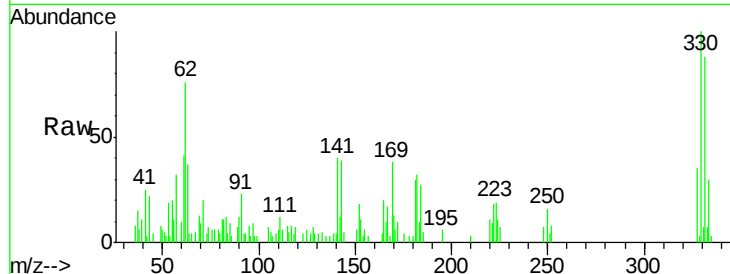




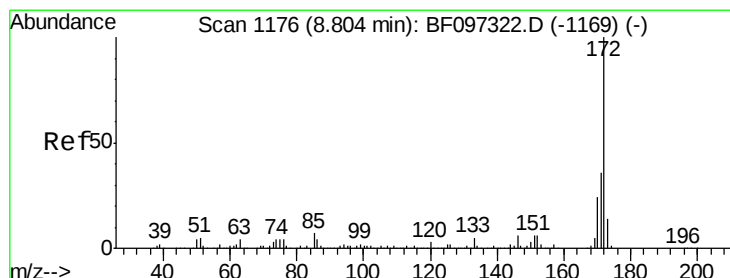
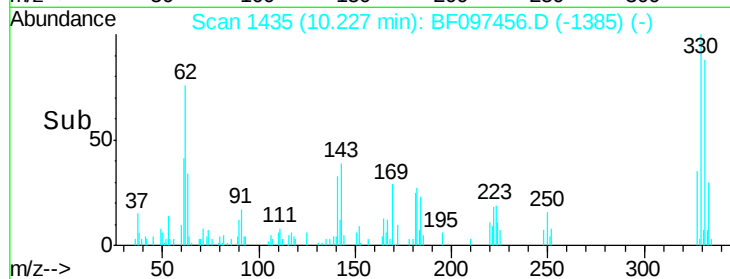
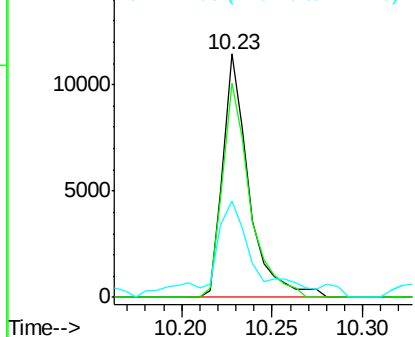
#41
 2,4,6-Tribromophenol
 Concen: 10.44 ng
 RT: 10.23 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF097456.D
 Acq: 8 Aug 2017 4:37

Instrument :
 BNA_F
 ClientSampleId :
 B-5(0-10)COMPDL

Tot Ion:330 Resp: 11508
 Ion Ratio Lower Upper
 330 100
 332 92.1 76.6 115.0
 141 62.0 31.4 47.2#

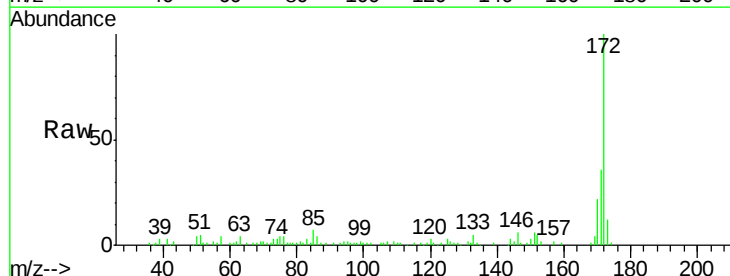


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

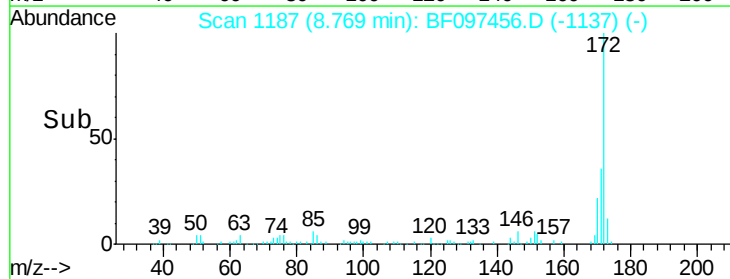
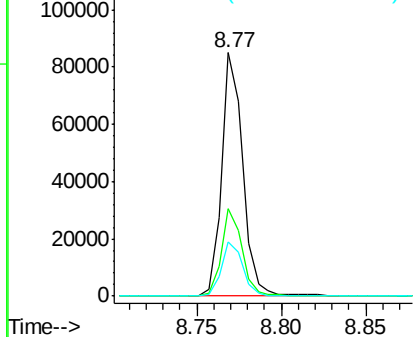


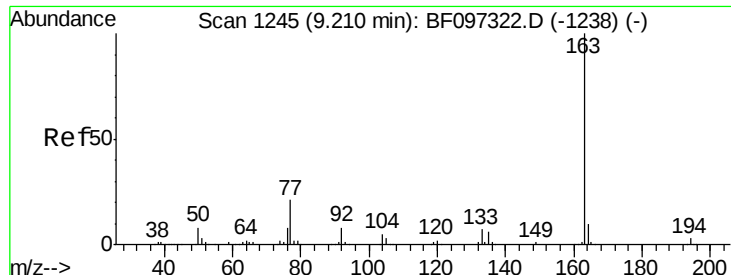
#44
 2-Fluorobiphenyl
 Concen: 9.01 ng
 RT: 8.77 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF097456.D
 Acq: 8 Aug 2017 4:37

Tgt Ion:172 Resp: 74062
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 22.3 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

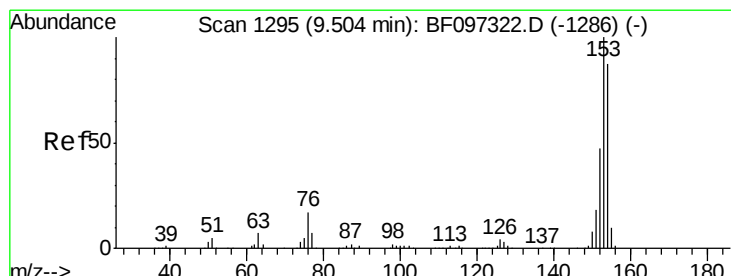
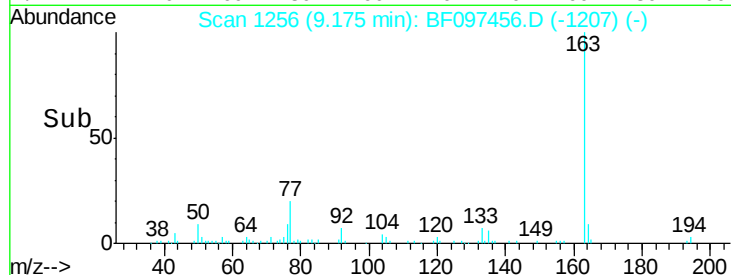
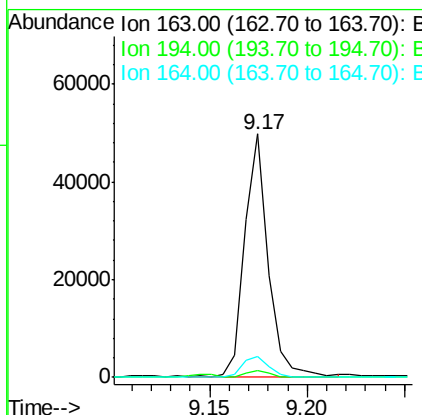
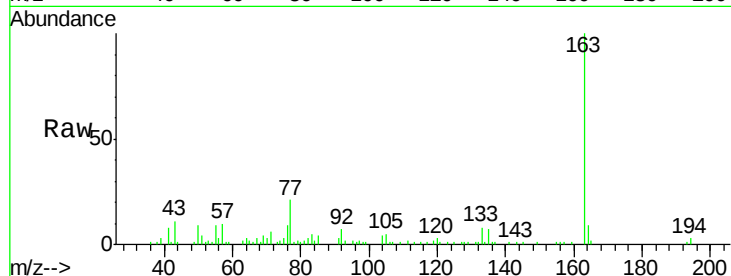




#49
Dimethylphthalate
Concen: 3.96 ng
RT: 9.17 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

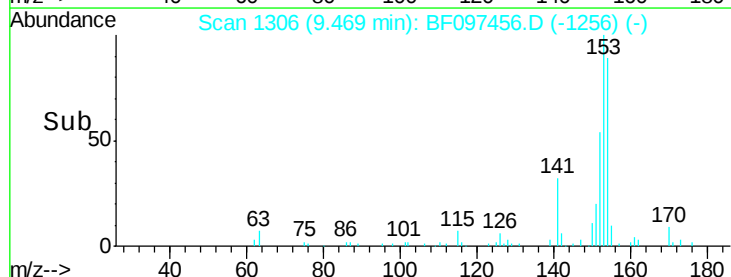
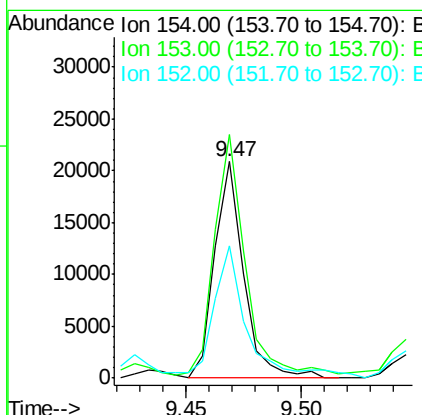
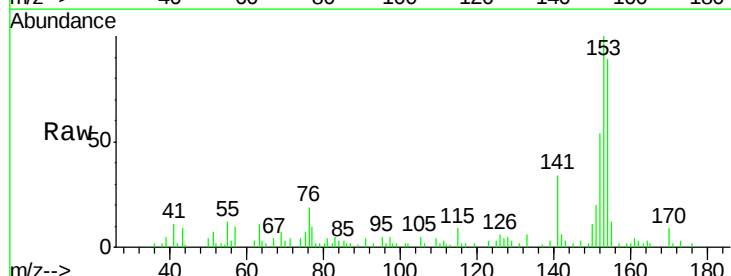
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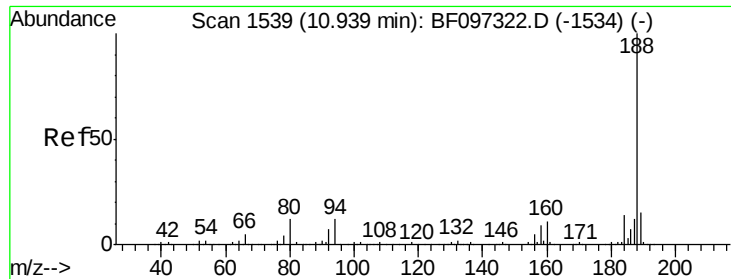
Tot Ion:163 Resp: 41929
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 8.5 8.4 12.6



#51
Acenaphthene
Concen: 2.30 ng
RT: 9.47 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Tgt Ion:154 Resp: 18210
Ion Ratio Lower Upper
154 100
153 112.6 90.5 135.7
152 61.3 43.6 65.4

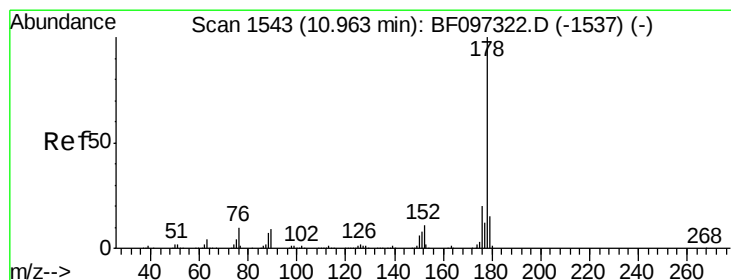
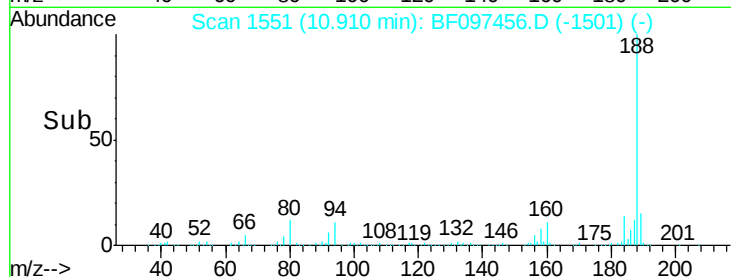
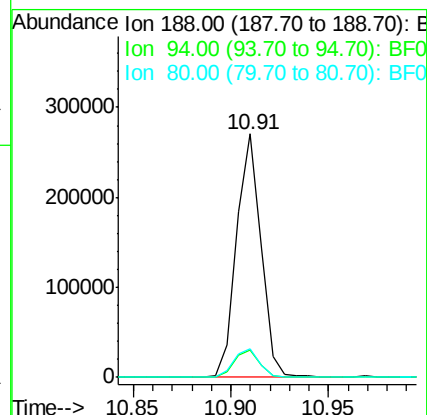
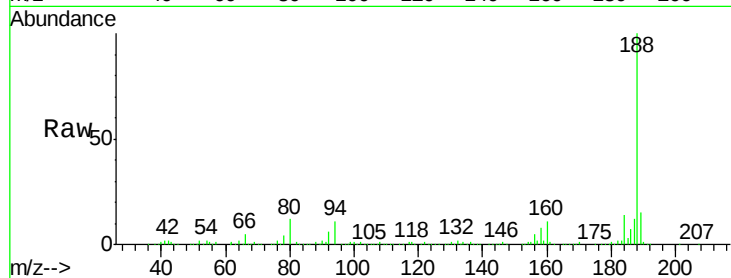




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.91 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

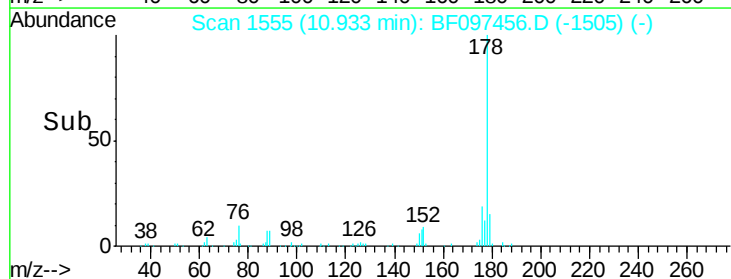
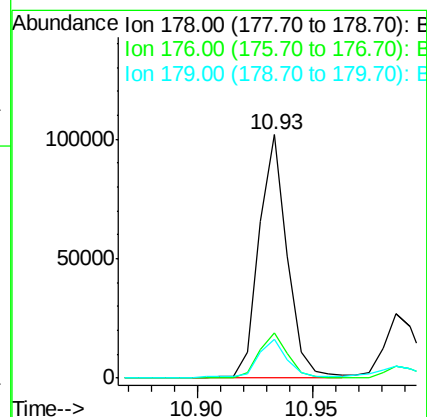
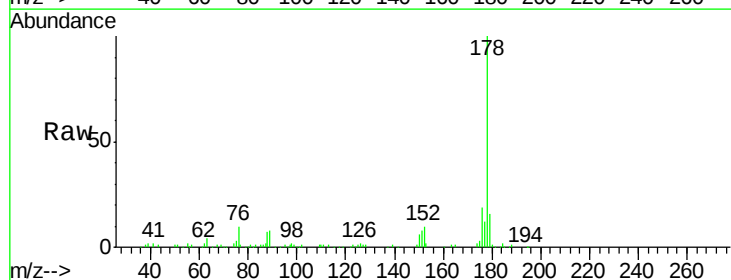
Instrument :
BNA_F
ClientSampleId :
B-5(0-10)COMPDL

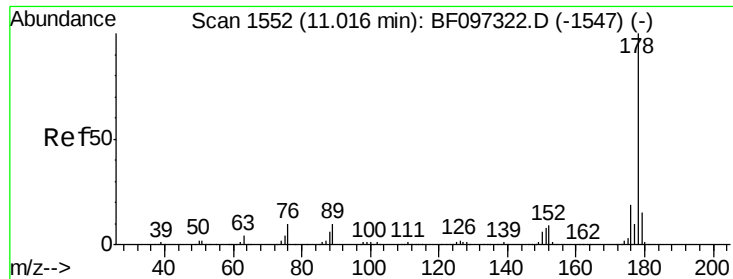
Tot Ion:188 Resp: 234978
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 11.7 10.2 15.2



#70
Phenanthrene
Concen: 6.95 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Tgt Ion:178 Resp: 87493
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.4
179 16.1 12.6 19.0

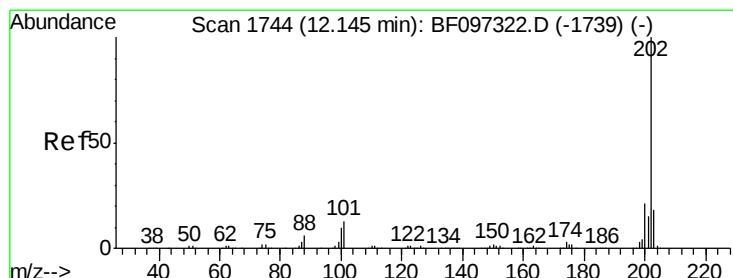
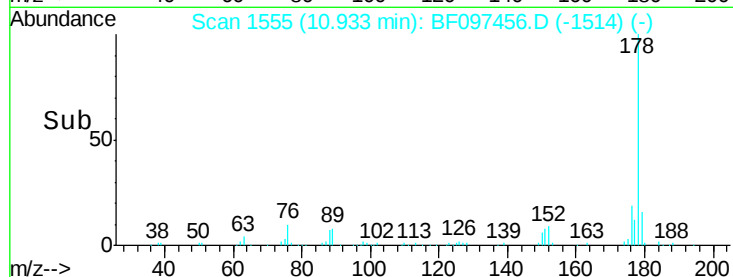
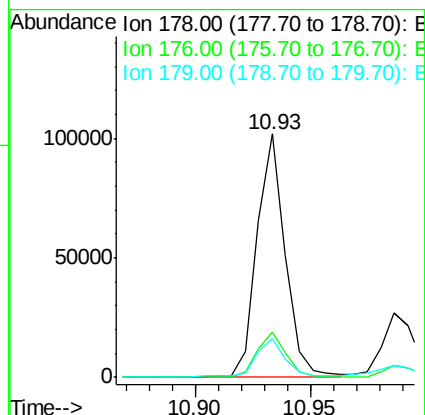
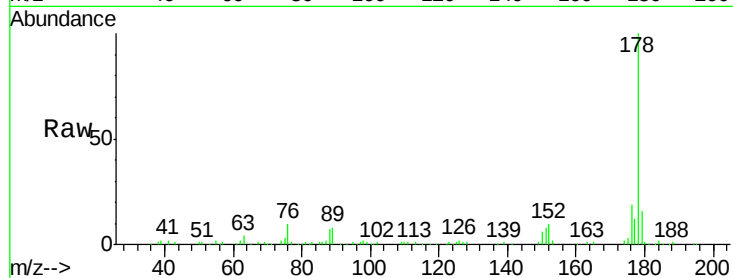




#71
 Anthracene
 Concen: 6.78 ng
 RT: 10.93 min Scan# 1555
 Delta R.T. -0.06 min
 Lab File: BF097456.D
 Acq: 8 Aug 2017 4:37

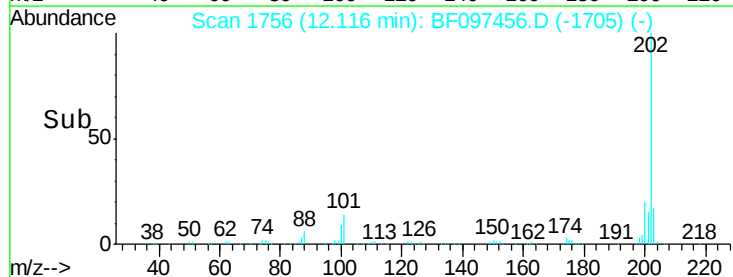
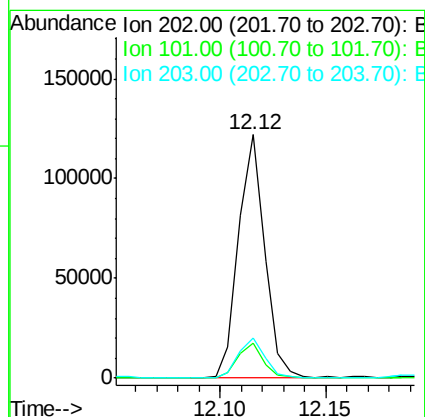
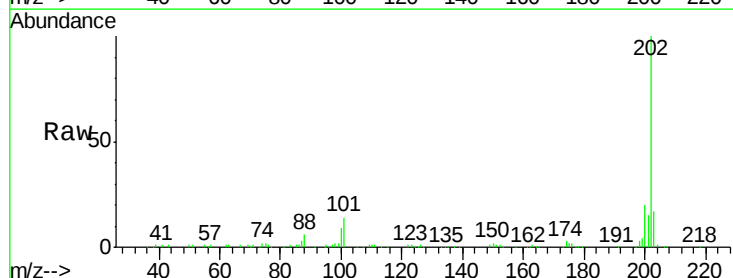
Instrument :
 BNA_F
 ClientSampleId :
 B-5(0-10)COMPDL

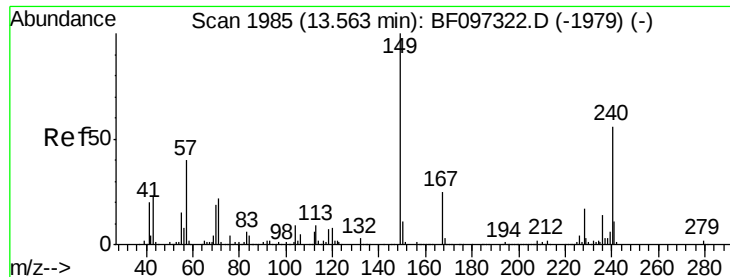
Tot Ion:178 Resp: 87493
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 16.1 12.7 19.1



#74
 Fluoranthene
 Concen: 8.48 ng
 RT: 12.12 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: BF097456.D
 Acq: 8 Aug 2017 4:37

Tgt Ion:202 Resp: 104625
 Ion Ratio Lower Upper
 202 100
 101 14.2 0.0 33.2
 203 16.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Instrument :

BNA_F

ClientSampleId :

B-5(0-10)COMPDL

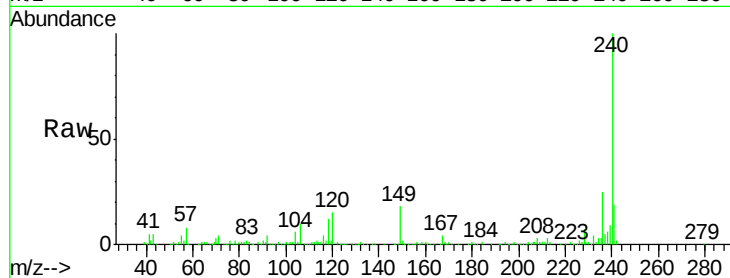
Tot Ion:240 Resp: 192994

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

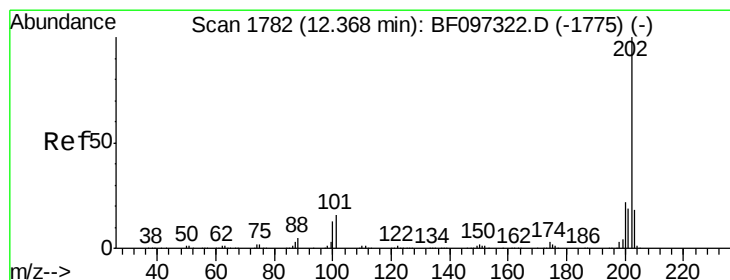
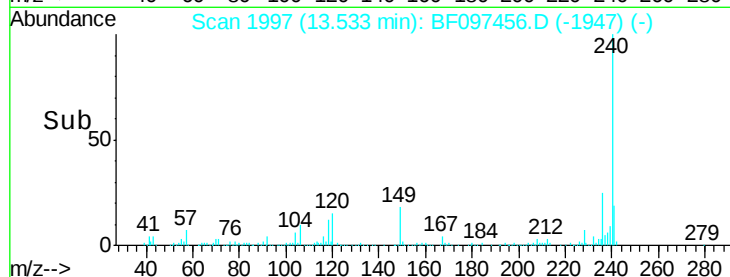
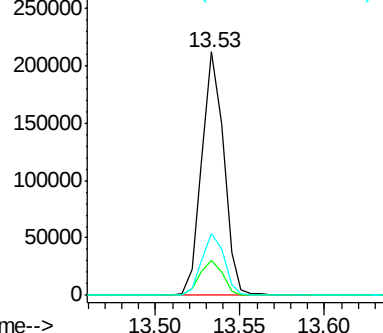
236 25.3 20.5 30.7



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: 5.93 ng

RT: 12.34 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

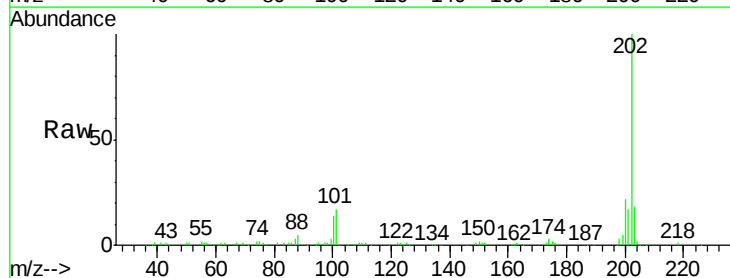
Tgt Ion:202 Resp: 93733

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

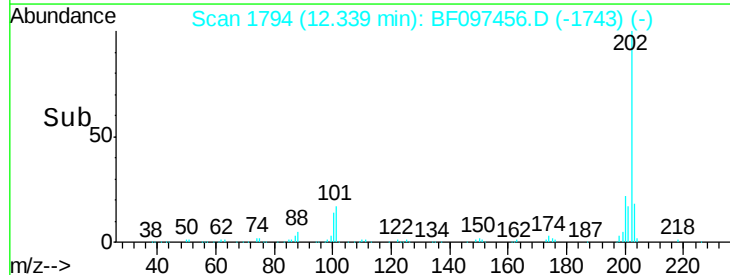
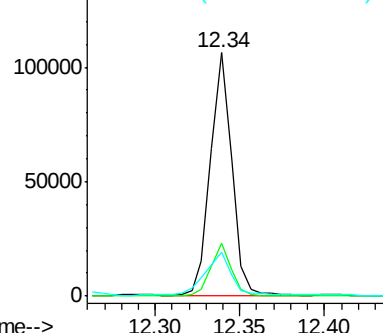
203 18.2 14.4 21.6

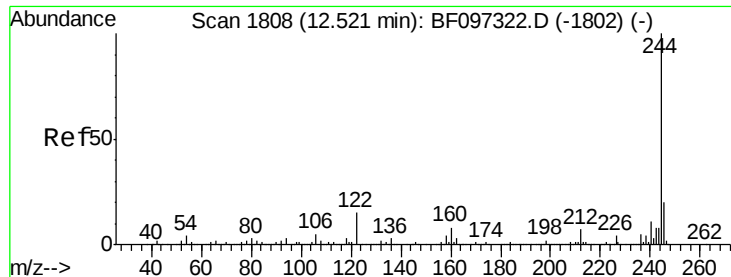


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 5.21 ng

RT: 12.49 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Instrument :

BNA_F

ClientSampleId :

B-5(0-10)COMPDL

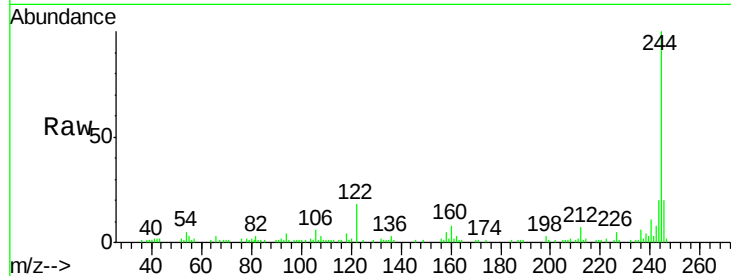
Tot Ion:244 Resp: 49300

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

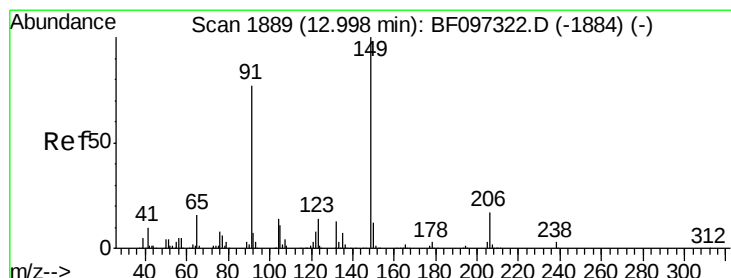
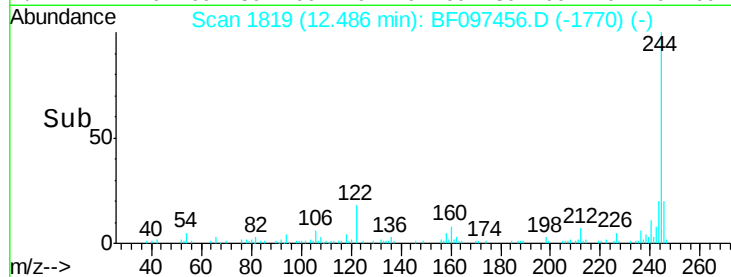
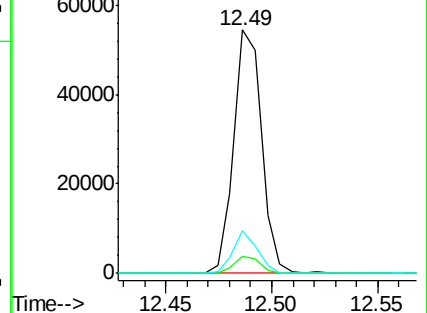
122 17.5 10.3 15.5#



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



#79

Butylbenzylphthalate

Concen: 43.81 ng

RT: 12.97 min Scan# 1902

Delta R.T. 0.00 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

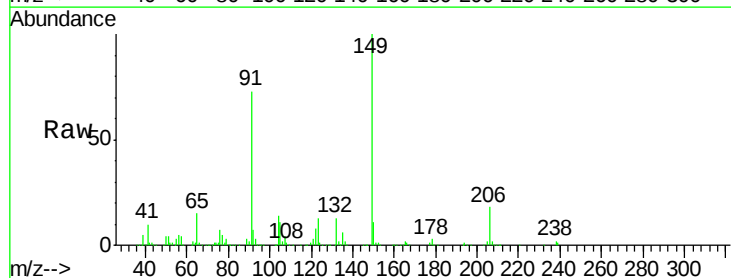
Tgt Ion:149 Resp: 352073

Ion Ratio Lower Upper

149 100

91 73.1 45.0 67.4#

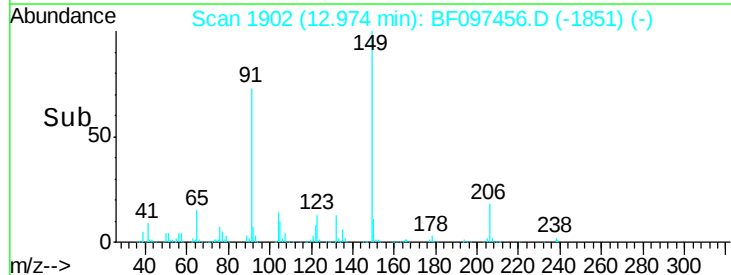
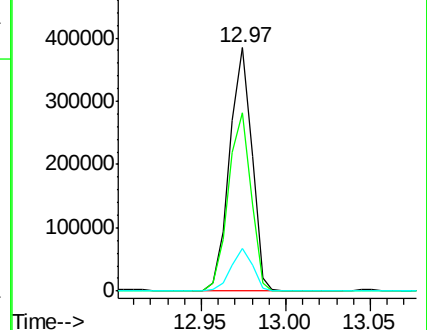
206 17.5 17.0 25.6

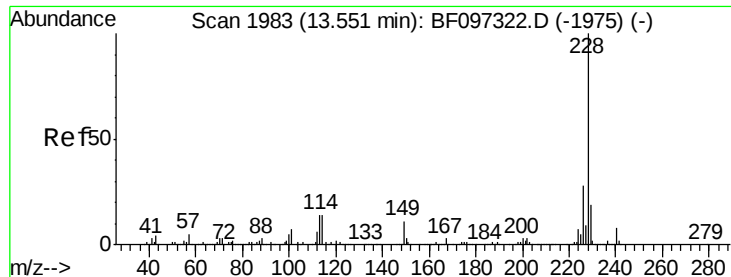


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 2.95 ng

RT: 13.52 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Instrument :

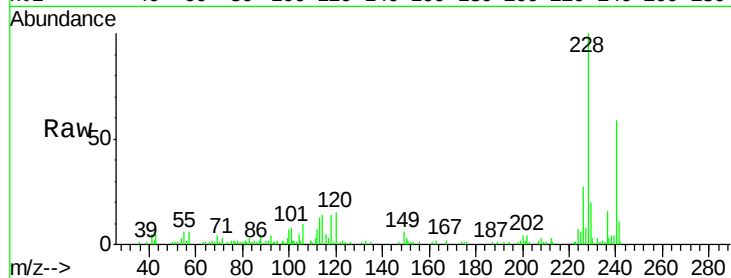
BNA_F

ClientSampleId :

B-5(0-10)COMPDL

Tot Ion:228 Resp: 36827

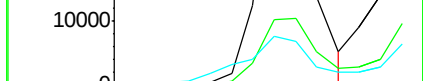
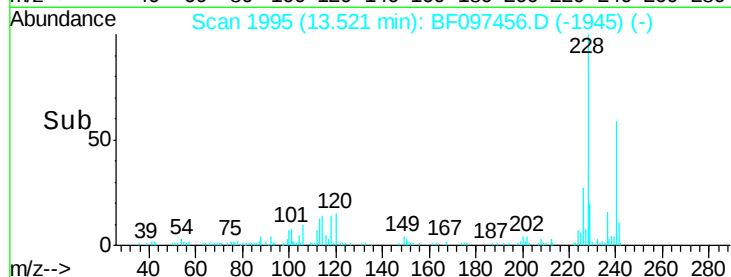
Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	20.3	16.3	24.5



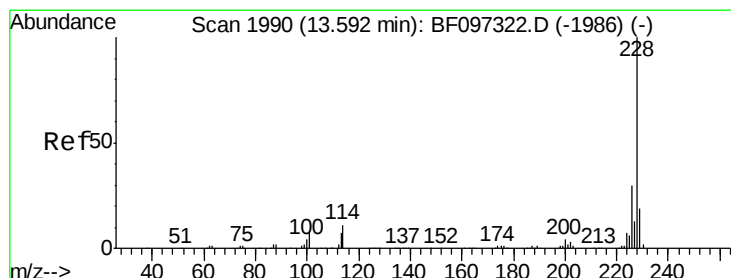
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 13.48 13.50 13.52 13.54



#82

Chrysene

Concen: 3.07 ng

RT: 13.56 min Scan# 2002

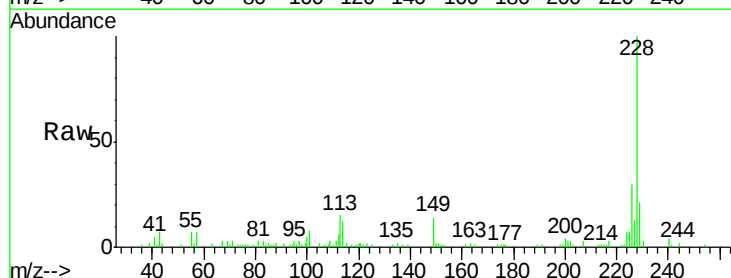
Delta R.T. 0.00 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Tgt Ion:228 Resp: 37454

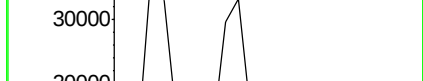
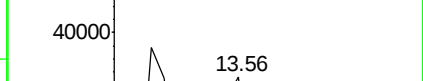
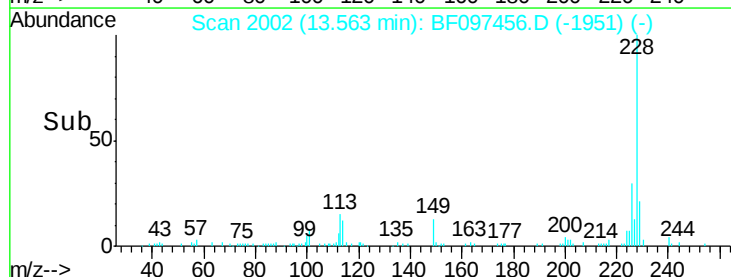
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	20.6	15.8	23.6



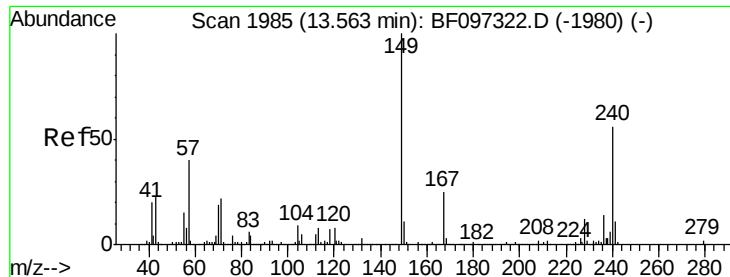
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 13.55 13.60



#83

Bis(2-ethylhexyl)phthalate

Concen: 10.88 ng

RT: 13.54 min Scan# 1999

Delta R.T. 0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Instrument :

BNA_F

ClientSampleId :

B-5(0-10)COMPDL

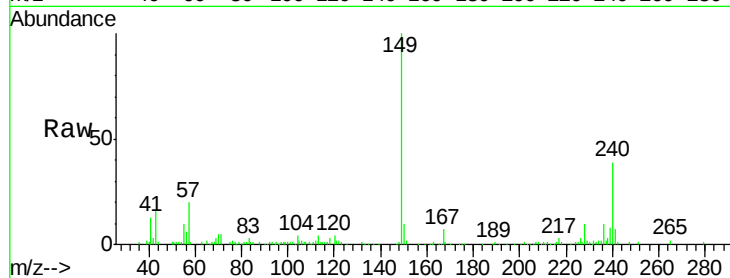
Tot Ion:149 Resp: 114175

Ion Ratio Lower Upper

149 100

167 7.4 21.0 31.4#

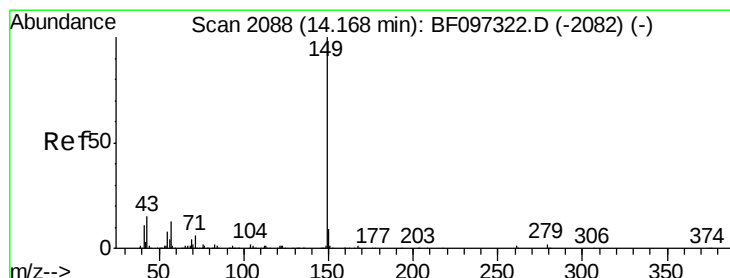
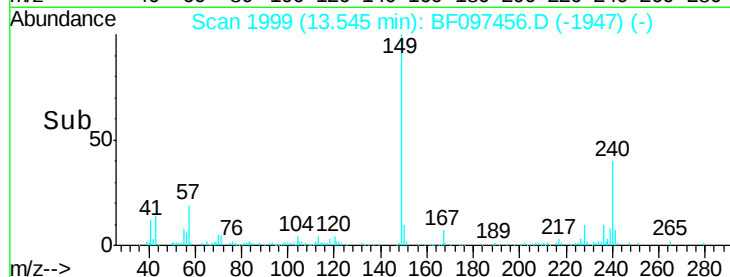
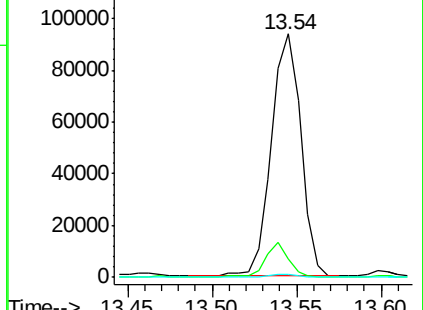
279 1.1 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 14.28 ng

RT: 14.14 min Scan# 2101

Delta R.T. 0.00 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

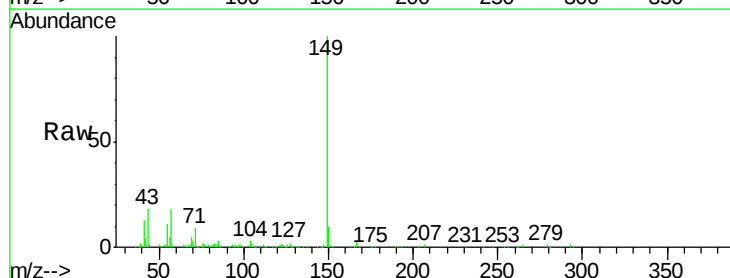
Tgt Ion:149 Resp: 275026

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

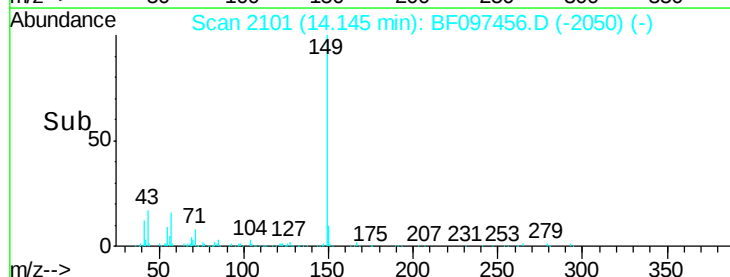
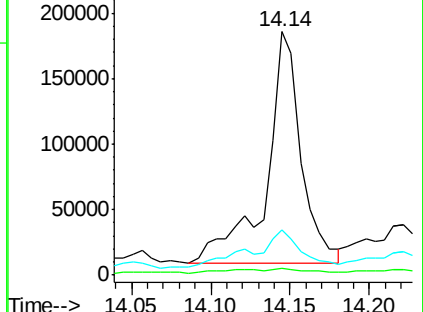
43 21.5 8.5 12.7#

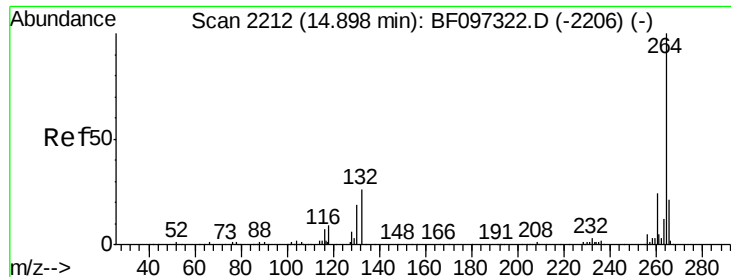


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

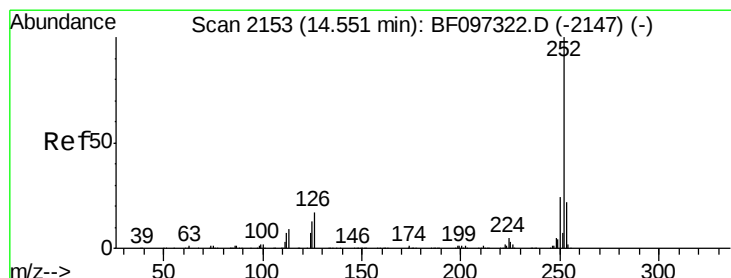
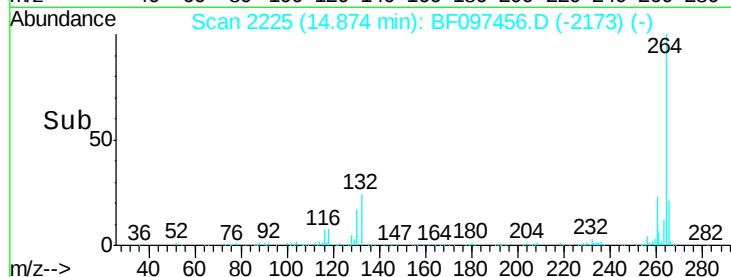
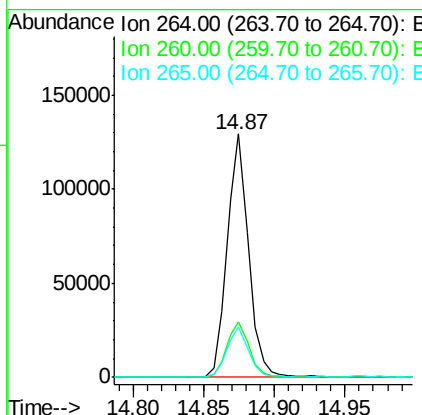
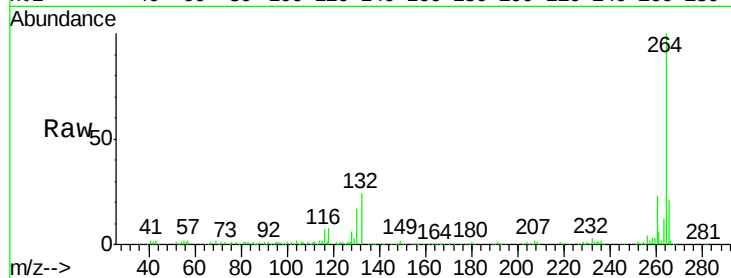




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

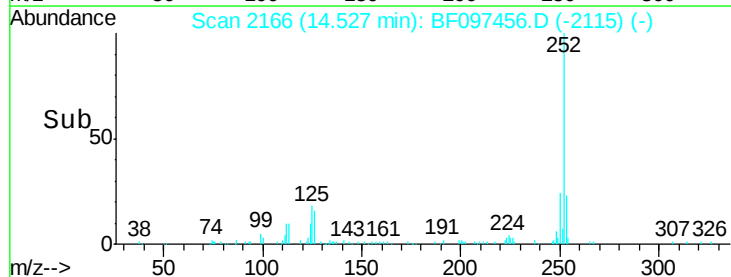
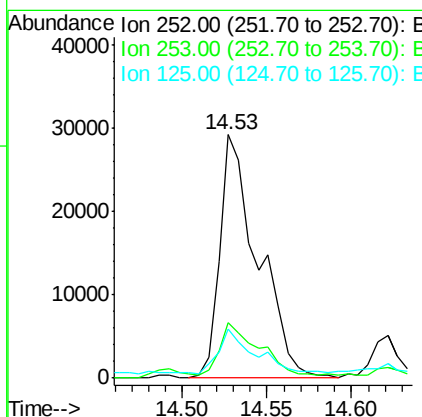
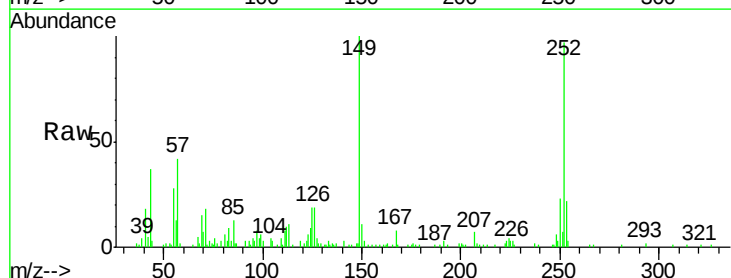
Instrument :
BNA_F
ClientSampleId :
B-5(0-10)COMPDL

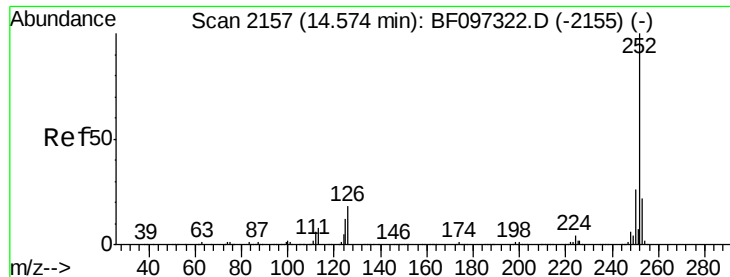
Tot Ion:264 Resp: 136341
Ion Ratio Lower Upper
264 100
260 22.6 19.5 29.3
265 20.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 5.62 ng
RT: 14.53 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Tgt Ion:252 Resp: 46086
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 20.0 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 2.55 ng

RT: 14.83 min Scan# 2217

Delta R.T. 0.28 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Instrument :

BNA_F

ClientSampleId :

B-5(0-10)COMPDL

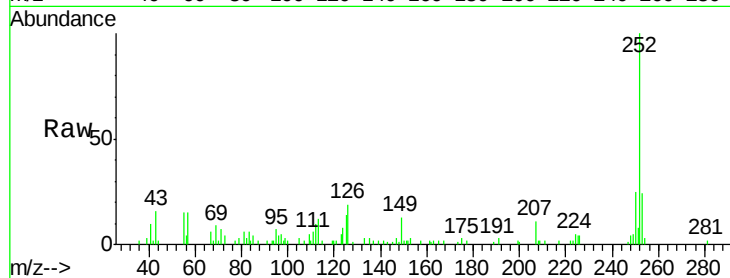
Tot Ion:252 Resp: 19926

Ion Ratio Lower Upper

252 100

253 24.4 18.4 27.6

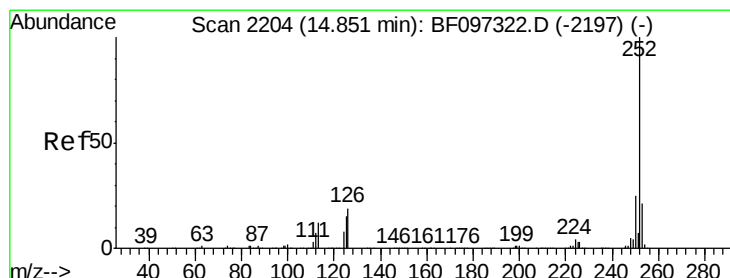
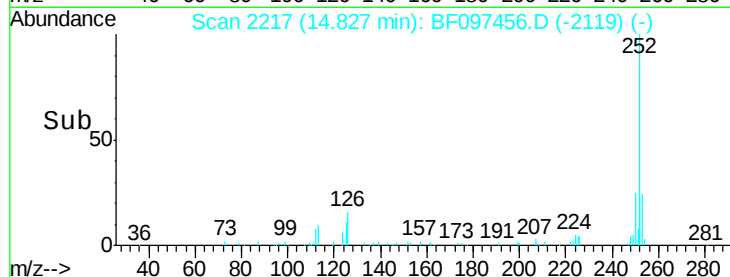
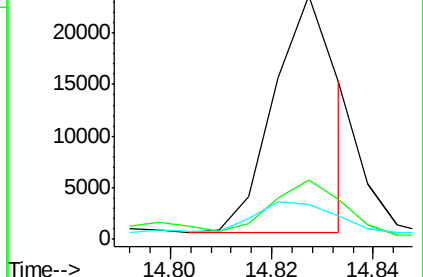
125 14.2 13.1 19.7



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: 3.18 ng

RT: 14.83 min Scan# 2217

Delta R.T. 0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

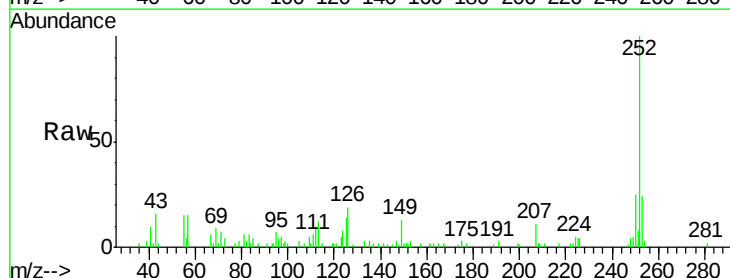
Tgt Ion:252 Resp: 23837

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 14.2 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

