

Data Path : Z:\HPCHEM1\BNA F\Data\BF080817\
 Data File : BF097508.D
 Acq On : 9 Aug 2017 10:23
 Operator : SJ/JU
 Sample : I4657-10DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 09 11:00:36 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

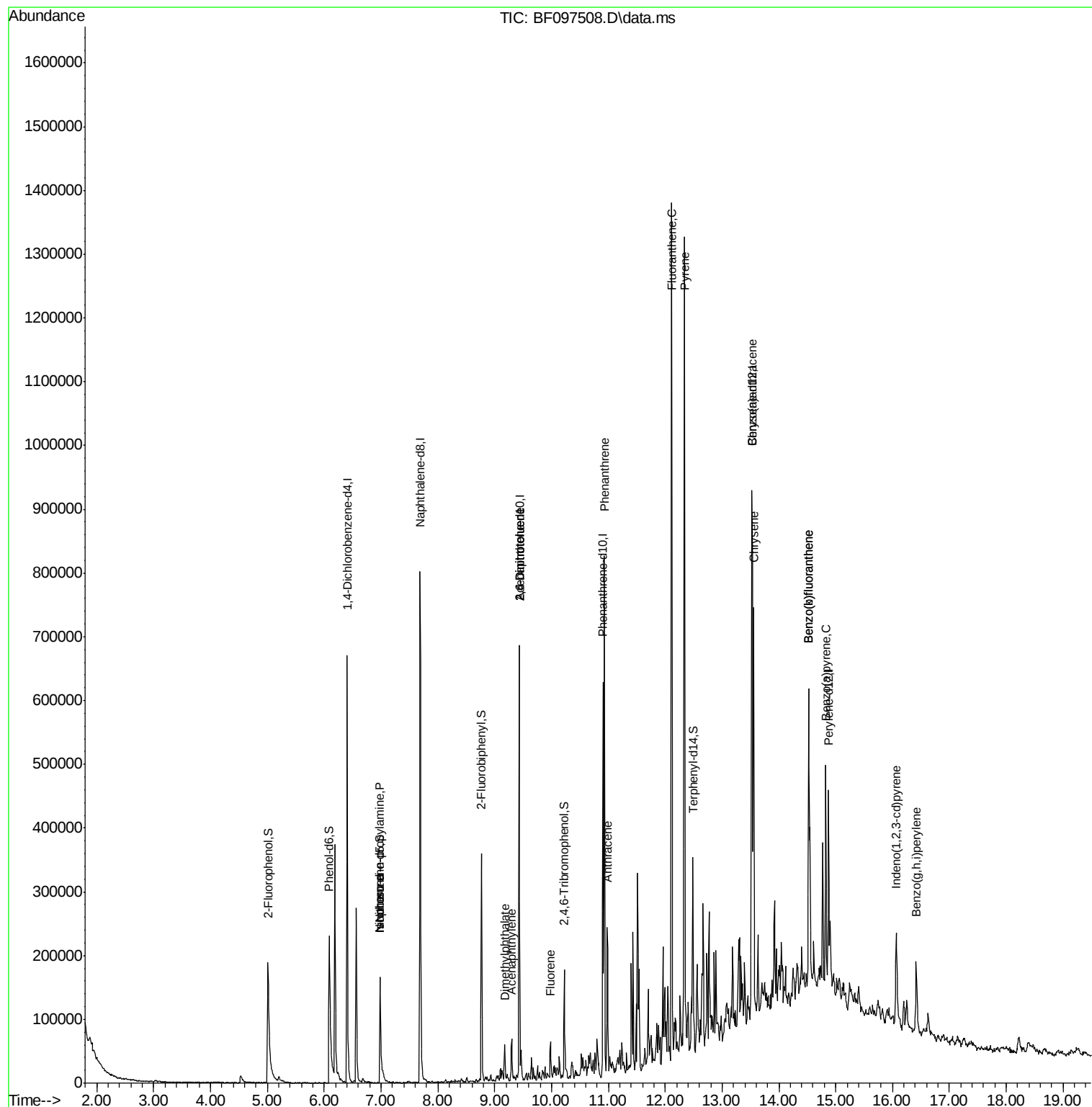
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.404	152	101764	20.00	ng	0.00
21) Naphthalene-d8	7.686	136	389067	20.00	ng	-0.01
38) Acenaphthene-d10	9.433	164	134957	20.00	ng	0.00
63) Phenanthrene-d10	10.904	188	205795	20.00	ng	-0.01
75) Chrysene-d12	13.533	240	162721	20.00	ng	0.00
86) Perylene-d12	14.874	264	119392	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	121122	17.94	ng	0.00
7) Phenol-d6	6.087	99	160878	20.88	ng	0.00
23) Nitrobenzene-d5	6.981	82	83260	12.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.222	330	17121	16.06	ng	-0.01
44) 2-Fluorobiphenyl	8.763	172	123838	15.57	ng	-0.01
78) Terphenyl-d14	12.486	244	81417	10.20	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	6.981	70	10947	2.16	ng	# 74
25) Isophorone	6.981	82	83260	6.41	ng	# 67
48) Acenaphthylene	9.298	152	28062	2.16	ng	98
49) Dimethylphthalate	9.175	163	23907	2.33	ng	99
50) 2,6-Dinitrotoluene	9.428	165	17876	8.22	ng	# 33
56) 2,4-Dinitrotoluene	9.428	165	17876	7.15	ng	# 32
57) Fluorene	9.980	166	16213	2.11	ng	98
70) Phenanthrene	10.927	178	297737	27.00	ng	98
71) Anthracene	10.980	178	89671	7.94	ng	99
74) Fluoranthene	12.116	202	557524	51.61	ng	99
77) Pyrene	12.339	202	538761	40.44	ng	98
80) Benzo(a)anthracene	13.521	228	254671	24.19	ng	99
82) Chrysene	13.557	228	227822	22.16	ng	98
85) Indeno(1,2,3-cd)pyrene	16.068	276	73993	8.39	ng	97
87) Benzo(b)fluoranthene	14.527	252	276037	38.46	ng	98
88) Benzo(k)fluoranthene	14.527	252	276037	40.36	ng	98
89) Benzo(a)pyrene	14.827	252	141717	21.58	ng	98
91) Benzo(g,h,i)perylene	16.415	276	72122	12.77	ng	97

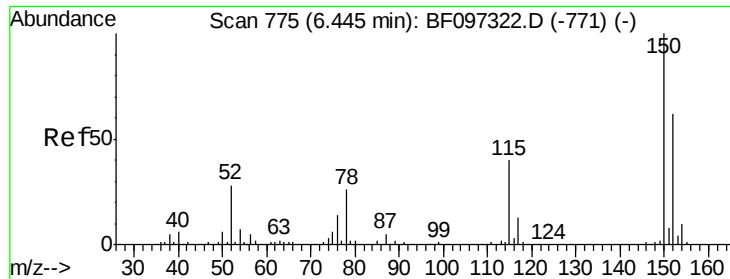
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.404 min Scan# 78

Delta R.T. -0.006 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

Instrument :

BNA_F

ClientSampleId :

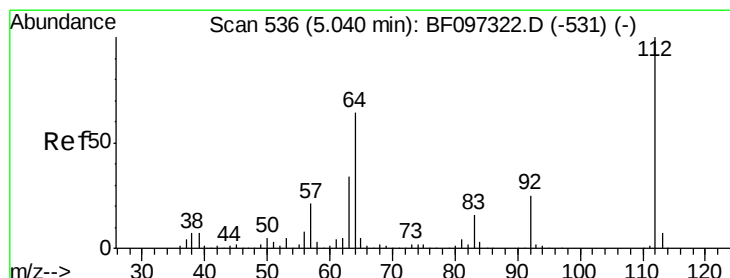
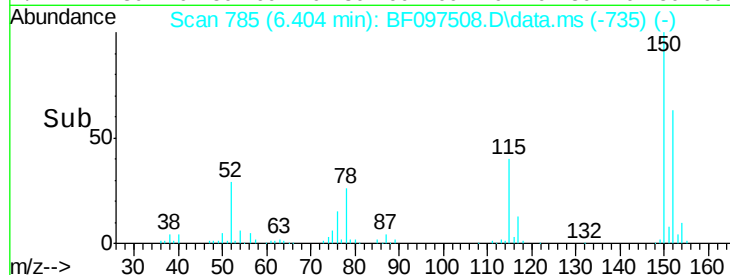
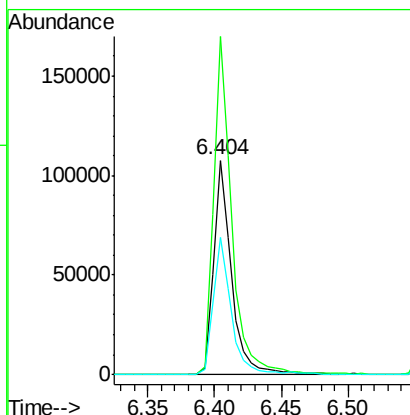
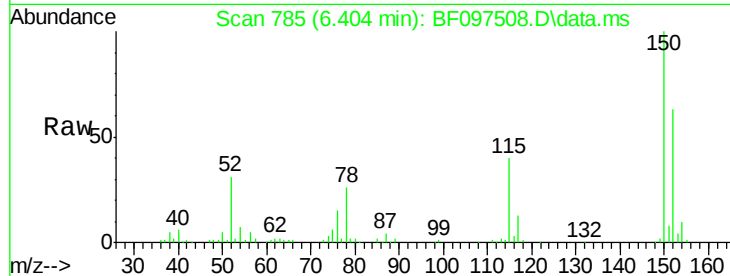
Tot Ion:152 Resp: 101764

Ion Ratio Lower Upper

152 100

150 158.0 126.2 189.2

115 63.9 52.2 78.2



#5

2-Fluorophenol

Concen: 17.94 ng

RT: 5.010 min Scan# 548

Delta R.T. 0.006 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

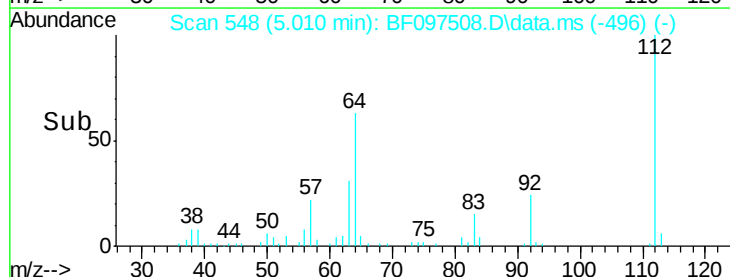
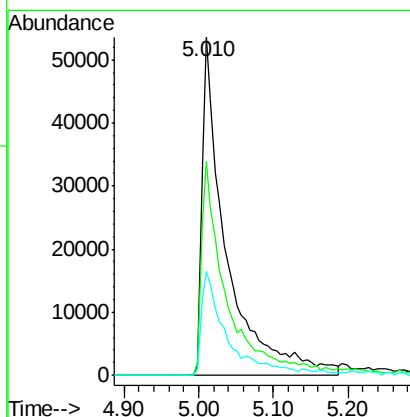
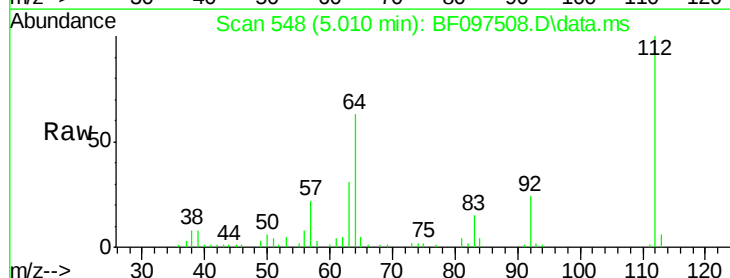
Tgt Ion:112 Resp: 121122

Ion Ratio Lower Upper

112 100

64 63.1 46.0 69.0

63 30.8 23.4 35.0





#7

Phenol-d6

Concen: 20.88 ng

RT: 6.087 min Scan# 731

Delta R.T. 0.000 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

Instrument :

BNA_F

ClientSampleId :

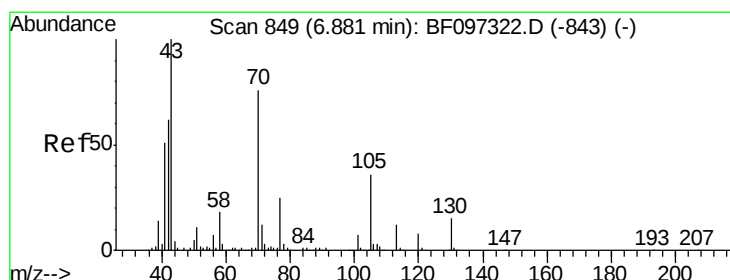
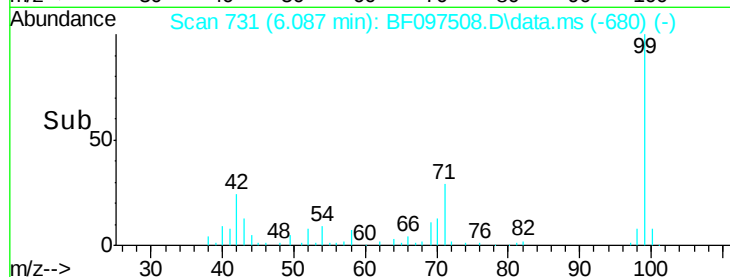
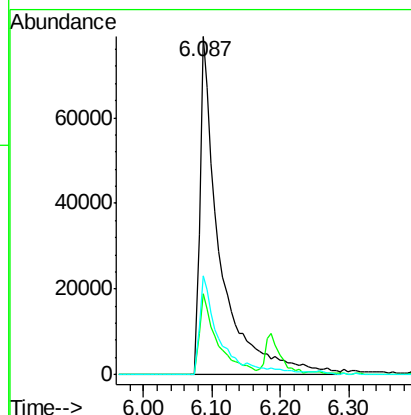
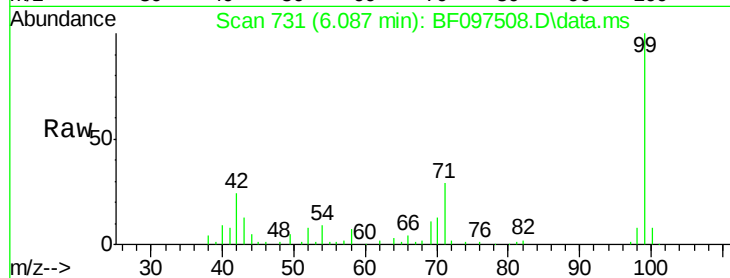
Tot Ion: 99 Resp: 160878

Ion Ratio Lower Upper

99 100

42 23.9 13.5 20.3#

71 29.2 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.16 ng

RT: 6.981 min Scan# 883

Delta R.T. 0.130 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

Tgt Ion: 70 Resp: 10947

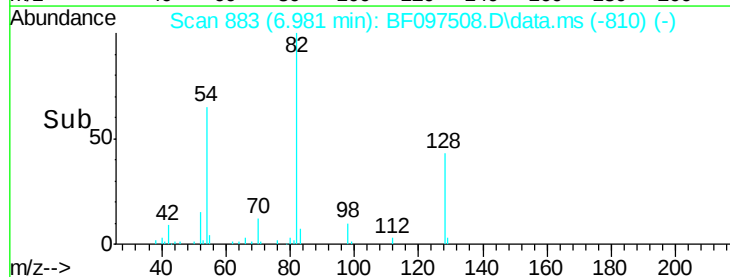
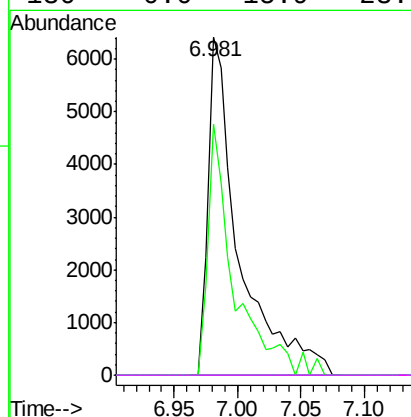
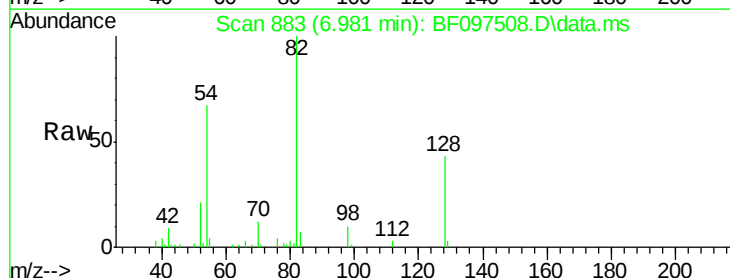
Ion Ratio Lower Upper

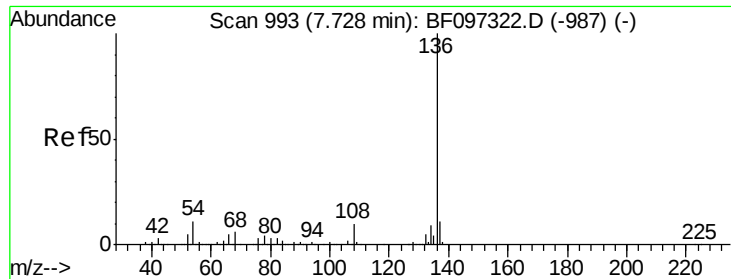
70 100

42 74.2 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.686 min Scan# 10

Delta R.T. -0.012 min

Lab File: BF097508.D

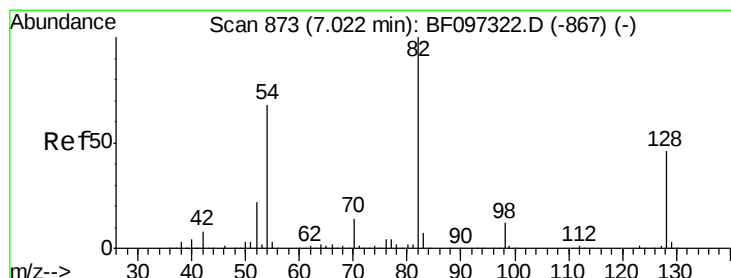
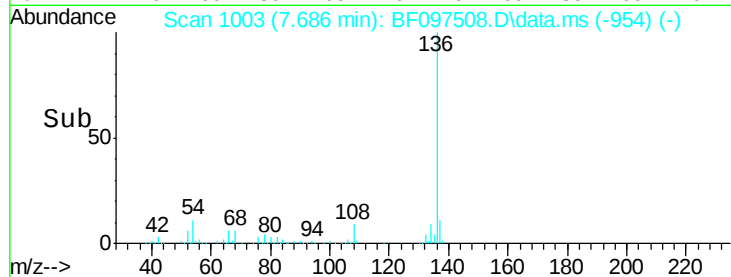
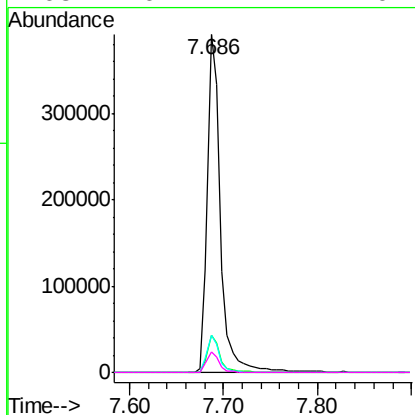
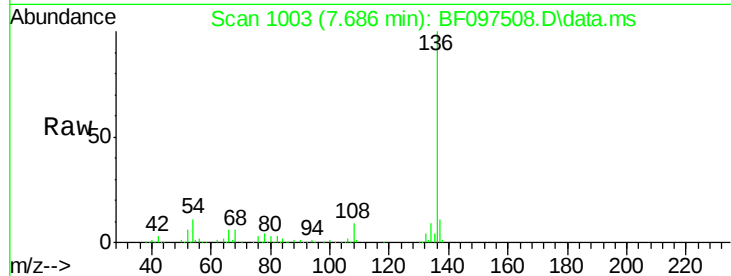
Acq: 9 Aug 2017 10:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	136	Resp:	389067
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	11.1	4.9	7.3#
68	6.2	4.1	6.1#



#23

Nitrobenzene-d5

Concen: 12.55 ng

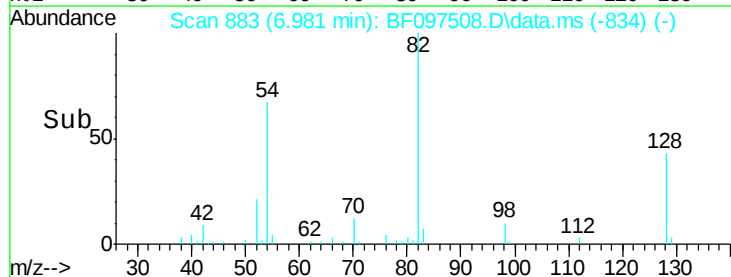
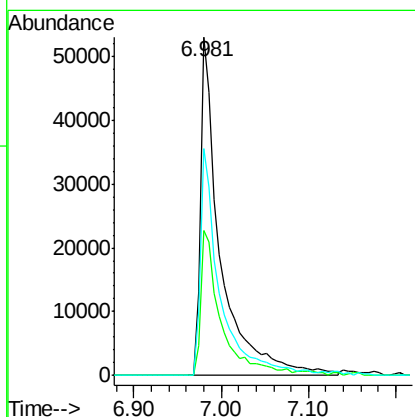
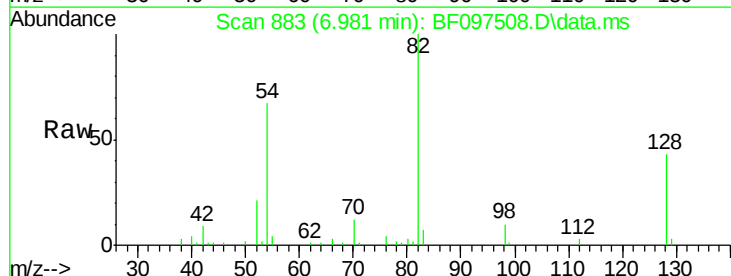
RT: 6.981 min Scan# 883

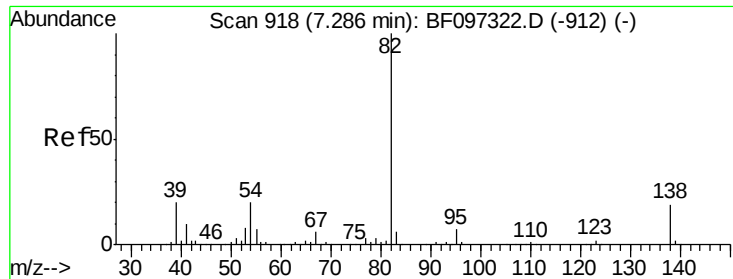
Delta R.T. -0.012 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

Tgt Ion:	82	Resp:	83260
Ion Ratio	Lower	Upper	
82	100		
128	42.7	34.0	51.0
54	67.2	42.2	63.2#





#25

Isophorone

Concen: 6.41 ng

RT: 6.981 min Scan# 88

Delta R.T. -0.270 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

Instrument :

BNA_F

ClientSampleId :

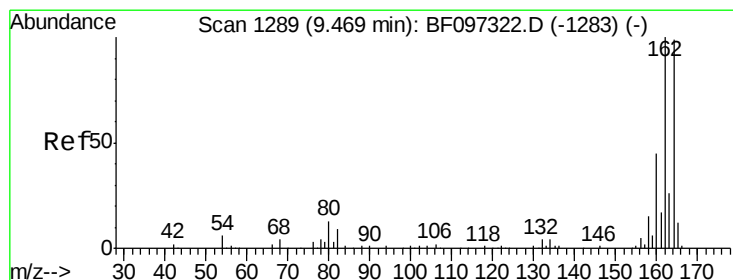
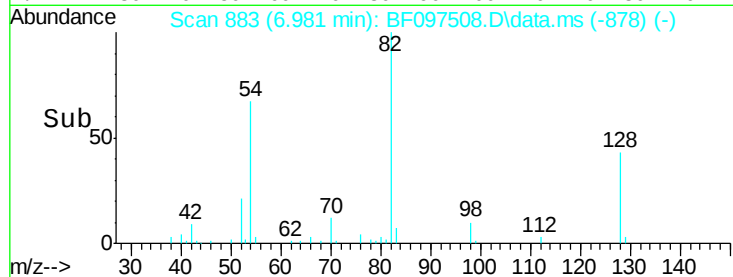
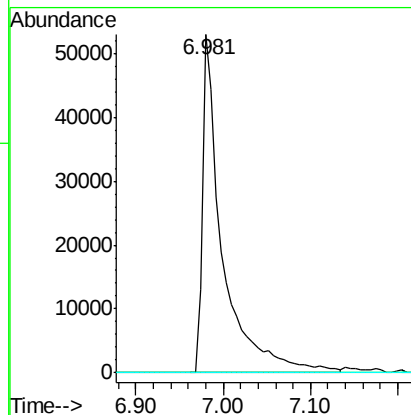
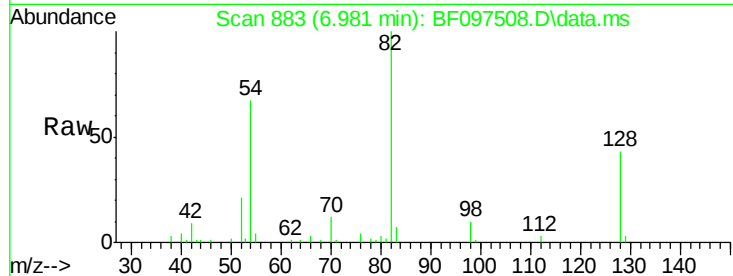
Tot Ion: 82 Resp: 83260

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.433 min Scan# 1300

Delta R.T. -0.006 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

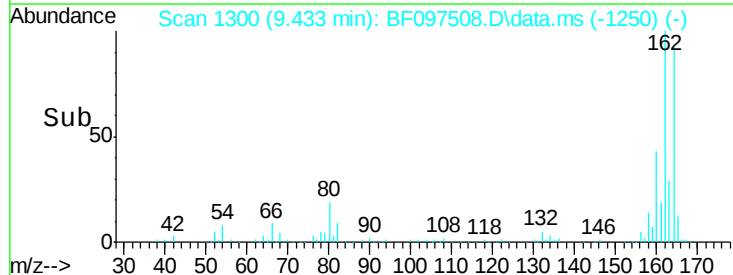
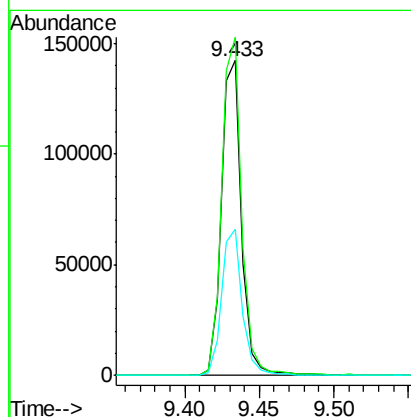
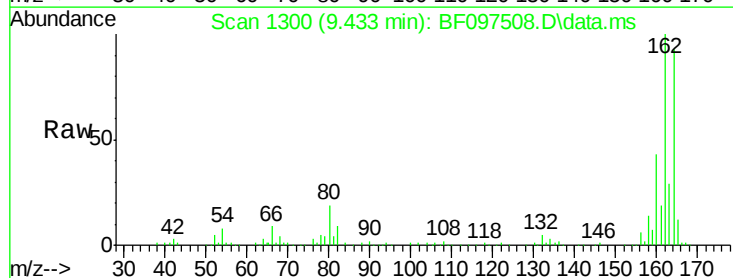
Tgt Ion:164 Resp: 134957

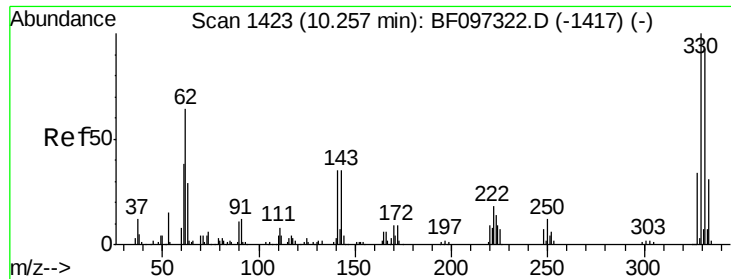
Ion Ratio Lower Upper

164 100

162 107.5 82.6 123.8

160 46.5 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 16.06 ng

RT: 10.222 min Scan# 14

Delta R.T. -0.012 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

Instrument :

BNA_F

ClientSampleId :

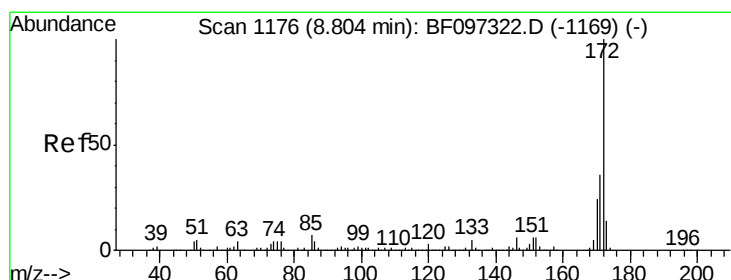
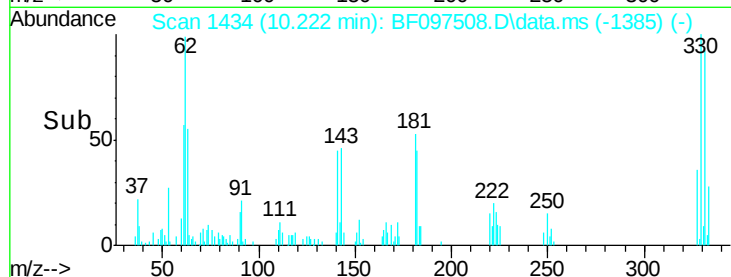
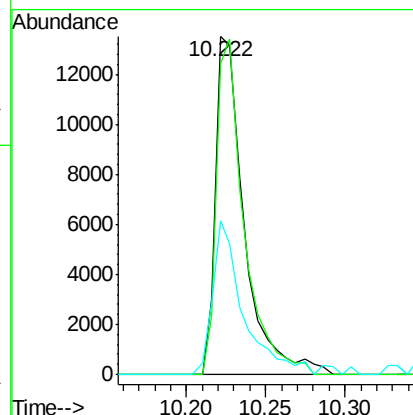
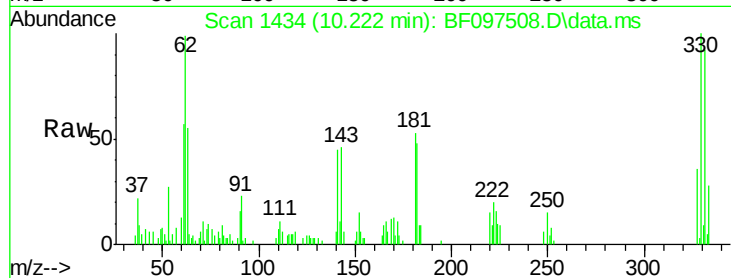
Tot Ion:330 Resp: 17121

Ion Ratio Lower Upper

330 100

332 95.1 76.6 115.0

141 48.5 31.4 47.2#



#44

2-Fluorobiphenyl

Concen: 15.57 ng

RT: 8.763 min Scan# 1186

Delta R.T. -0.012 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

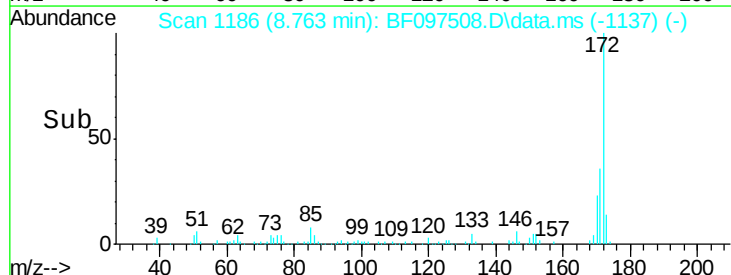
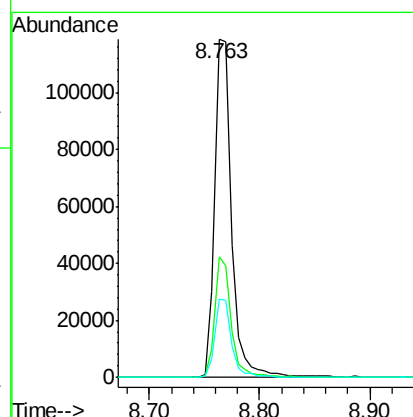
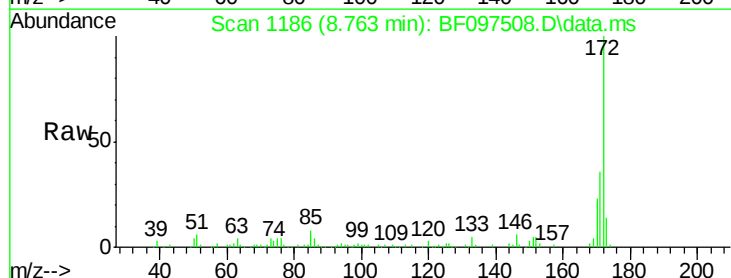
Tgt Ion:172 Resp: 123838

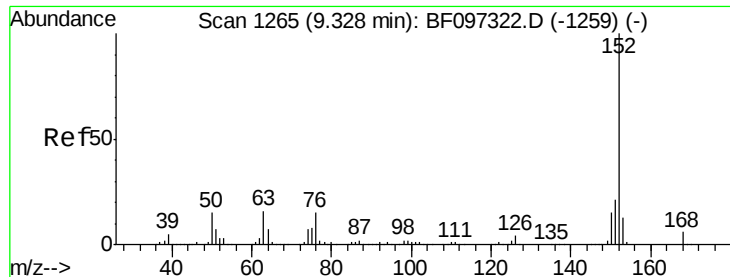
Ion Ratio Lower Upper

172 100

171 35.7 29.6 44.4

170 23.1 19.8 29.8





#48

Acenaphthylene

Concen: 2.16 ng

RT: 9.298 min Scan# 12

Delta R.T. -0.006 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

Instrument :

BNA_F

ClientSampleId :

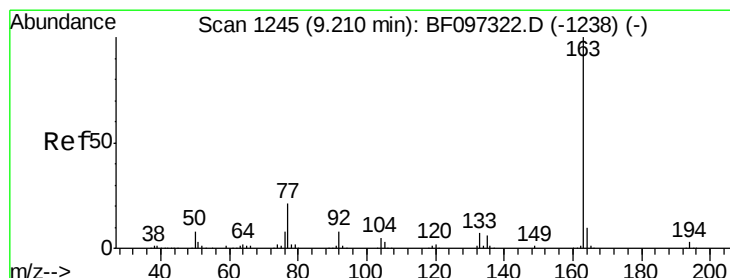
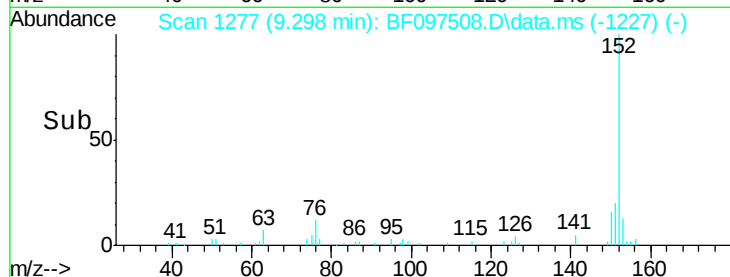
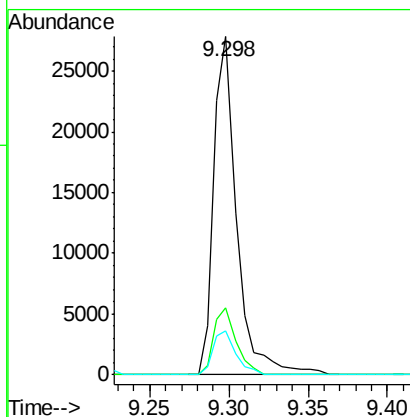
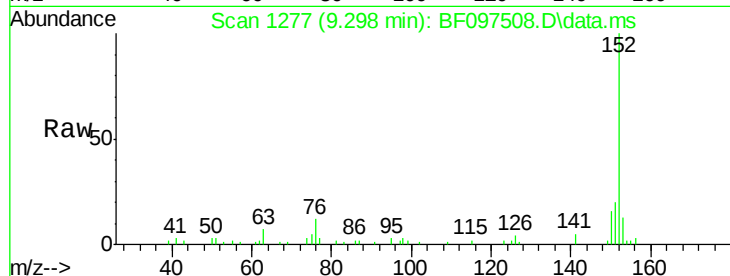
Tot Ion:152 Resp: 28062

Ion Ratio Lower Upper

152 100

151 19.6 16.8 25.2

153 13.0 10.8 16.2



#49

Dimethylphthalate

Concen: 2.33 ng

RT: 9.175 min Scan# 1256

Delta R.T. -0.012 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

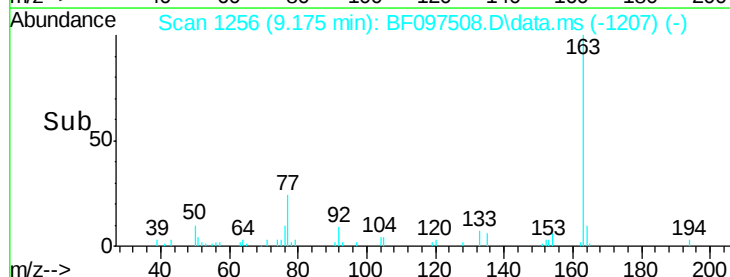
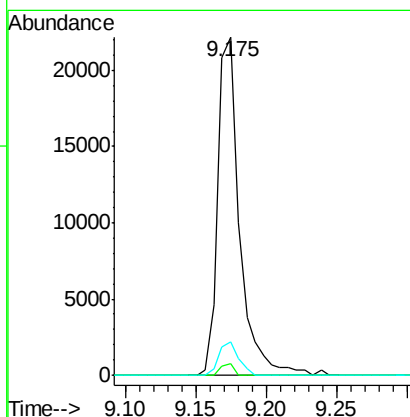
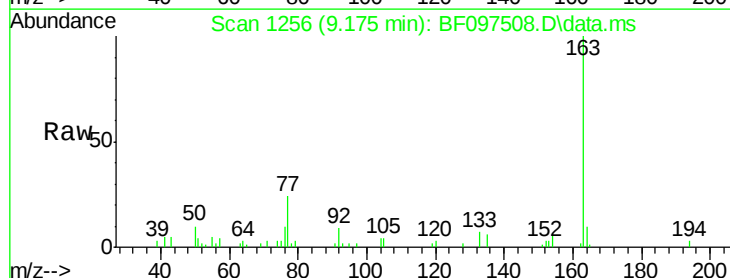
Tgt Ion:163 Resp: 23907

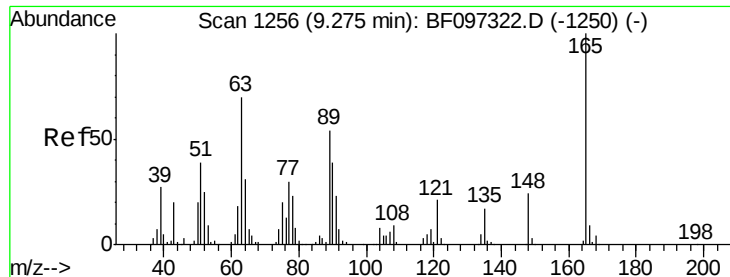
Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

164 9.8 8.4 12.6

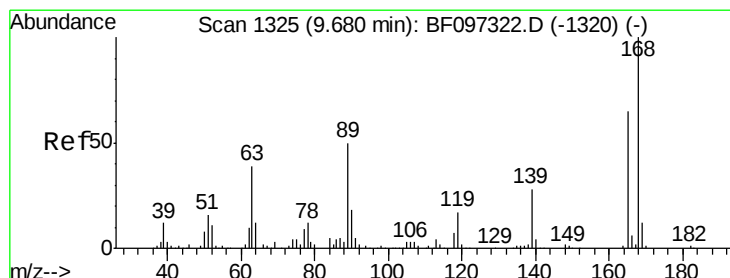
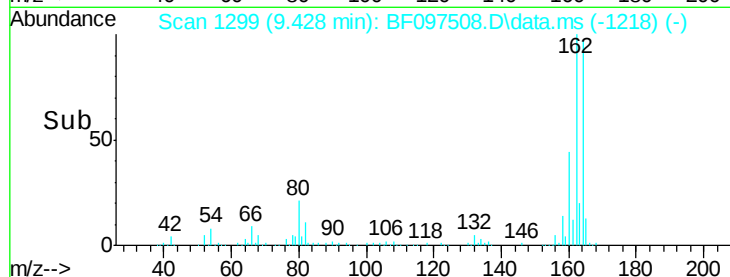
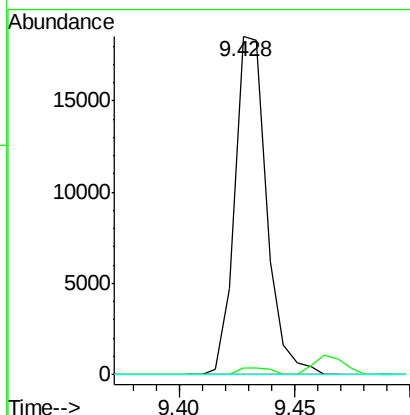
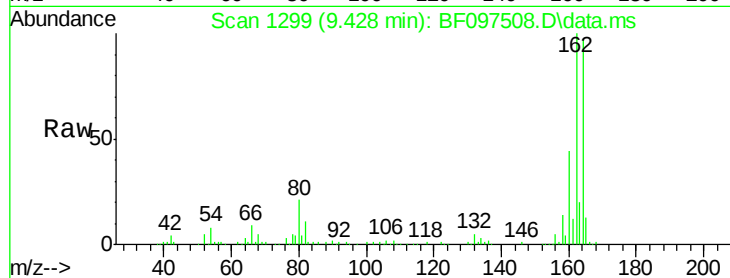




#50
 2,6-Dinitrotoluene
 Concen: 8.22 ng
 RT: 9.428 min Scan# 1256
 Delta R.T. 0.177 min
 Lab File: BF097508.D
 Acq: 9 Aug 2017 10:23

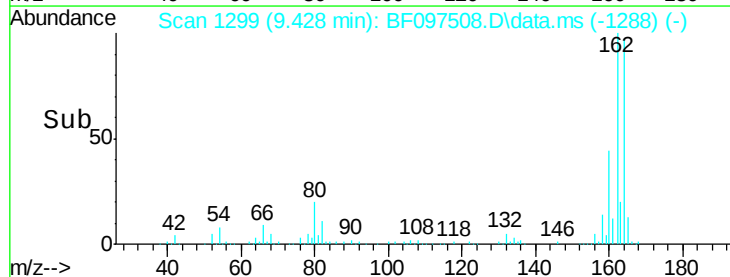
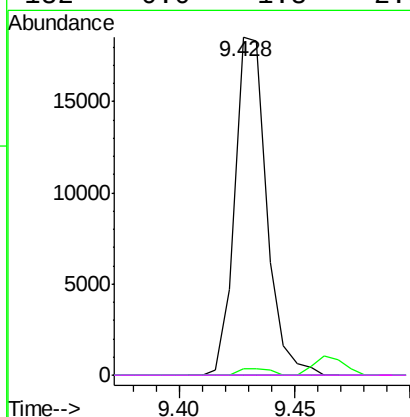
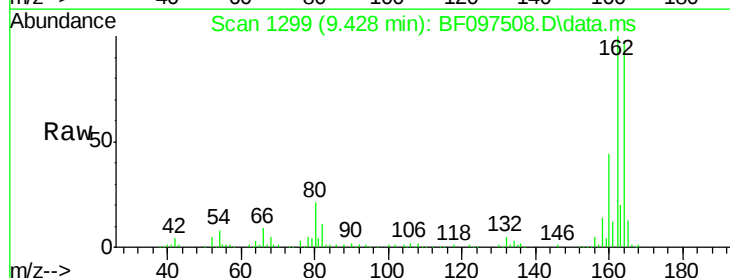
Instrument :
 BNA_F
 ClientSampleId :

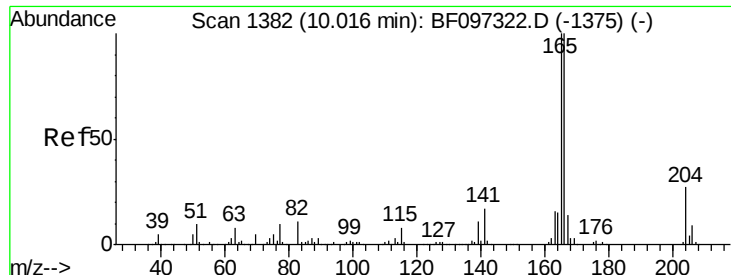
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	34.3	51.5#
89	0.0	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 7.15 ng
 RT: 9.428 min Scan# 1299
 Delta R.T. -0.235 min
 Lab File: BF097508.D
 Acq: 9 Aug 2017 10:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#





#57

Fluorene

Concen: 2.11 ng

RT: 9.980 min Scan# 13

Delta R.T. -0.012 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

Instrument :

BNA_F

ClientSampleId :

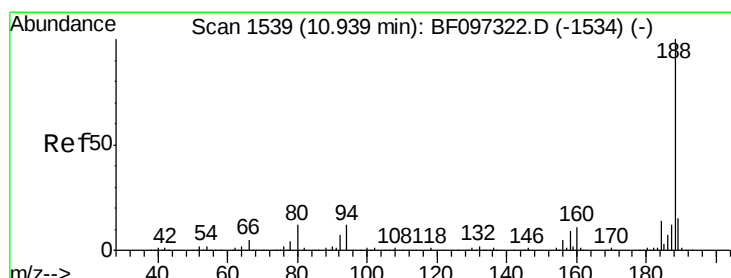
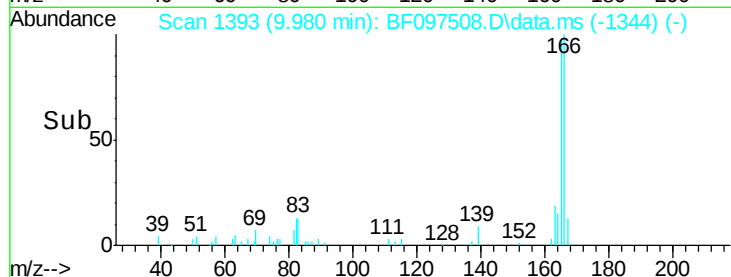
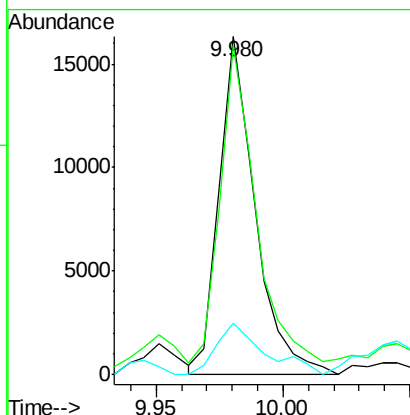
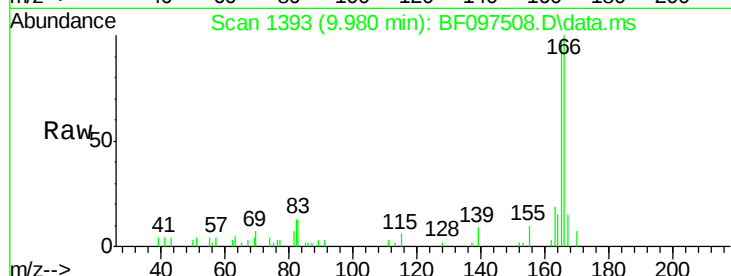
Tot Ion:166 Resp: 16213

Ion Ratio Lower Upper

166 100

165 97.2 78.8 118.2

167 15.2 10.6 16.0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.904 min Scan# 1550

Delta R.T. -0.012 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

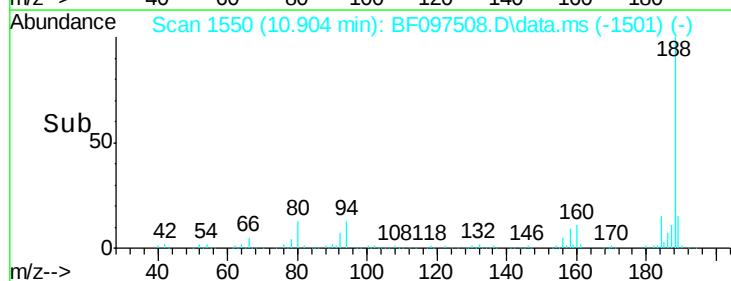
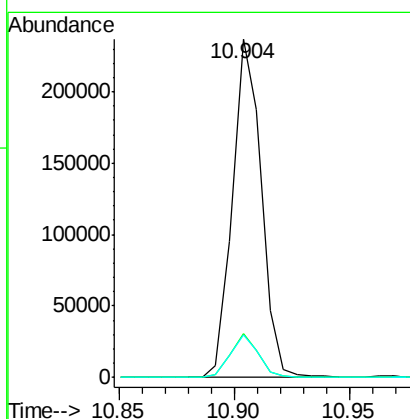
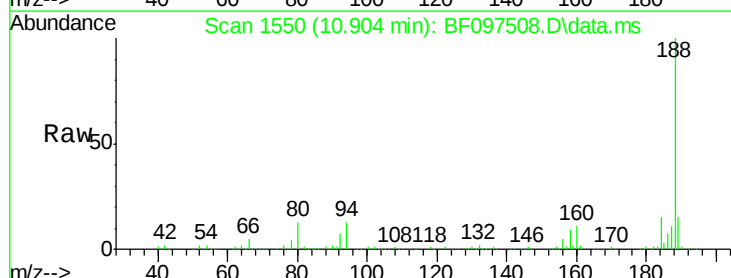
Tgt Ion:188 Resp: 205795

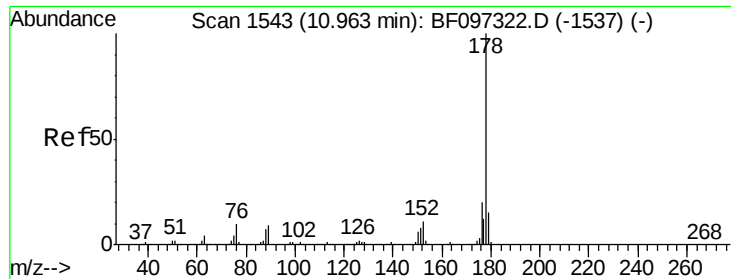
Ion Ratio Lower Upper

188 100

94 12.9 9.4 14.2

80 12.7 10.2 15.2





#70

Phenanthrene

Concen: 27.00 ng

RT: 10.927 min Scan# 15

Delta R.T. -0.012 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

Instrument :

BNA_F

ClientSampleId :

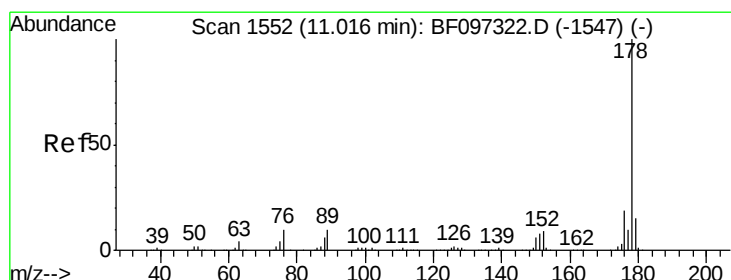
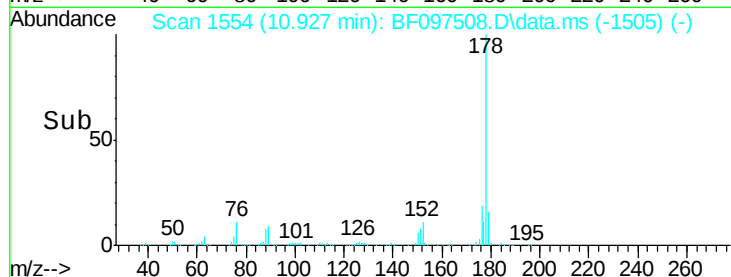
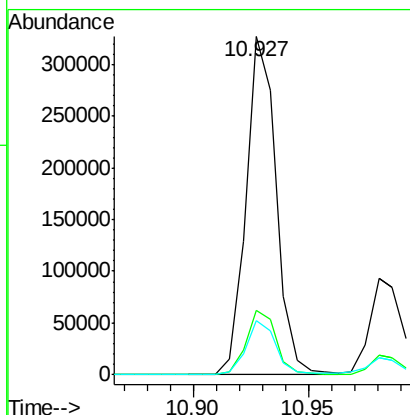
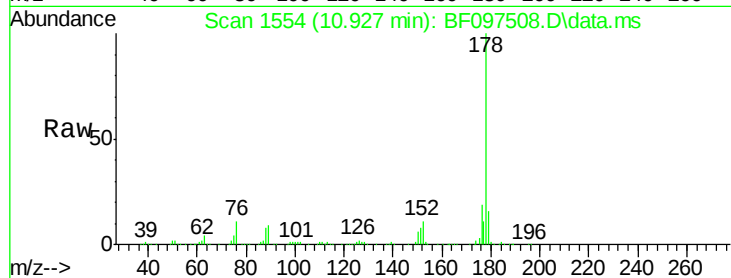
Tot Ion:178 Resp: 297737

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

179 15.8 12.6 19.0



#71

Anthracene

Concen: 7.94 ng

RT: 10.980 min Scan# 1563

Delta R.T. -0.012 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

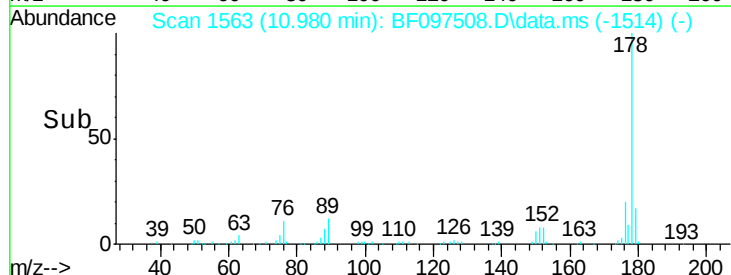
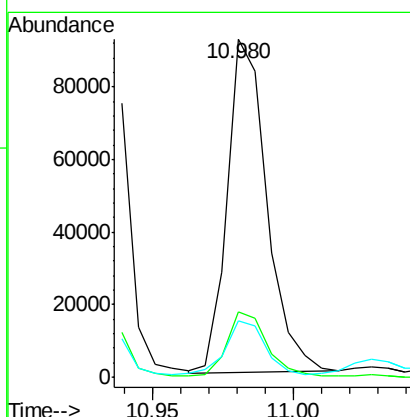
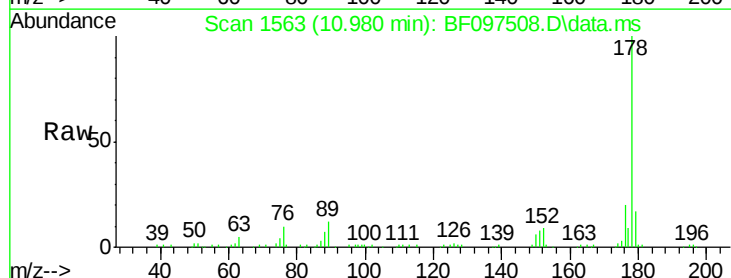
Tgt Ion:178 Resp: 89671

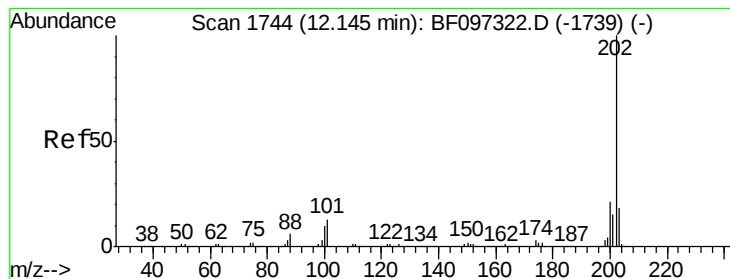
Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

179 16.9 12.7 19.1





#74

Fluoranthene

Concen: 51.61 ng

RT: 12.116 min Scan# 17

Delta R.T. 0.000 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

Instrument :

BNA_F

ClientSampleId :

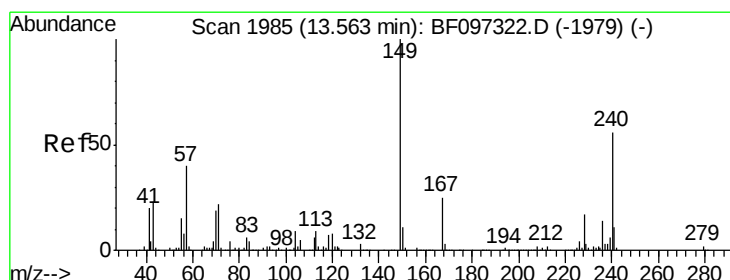
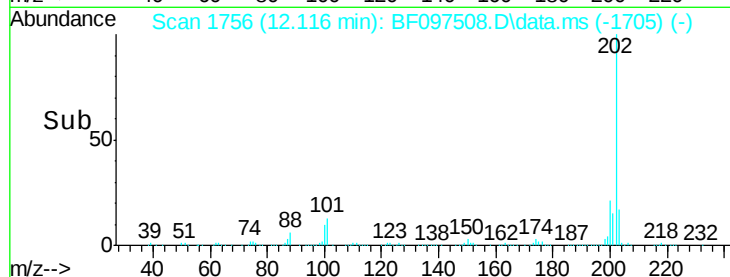
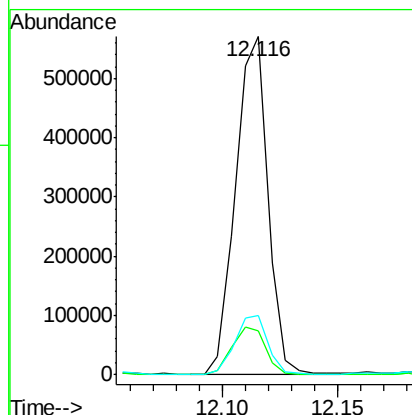
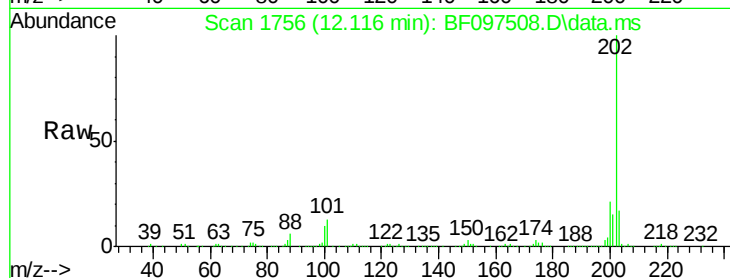
Tot Ion:202 Resp: 557524

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

203 17.3 0.0 38.1



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.533 min Scan# 1997

Delta R.T. -0.006 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

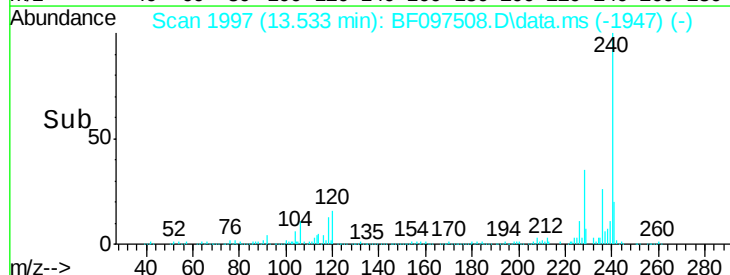
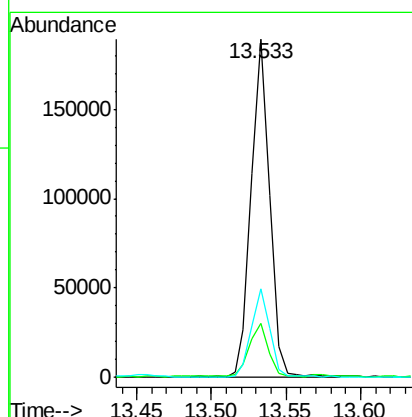
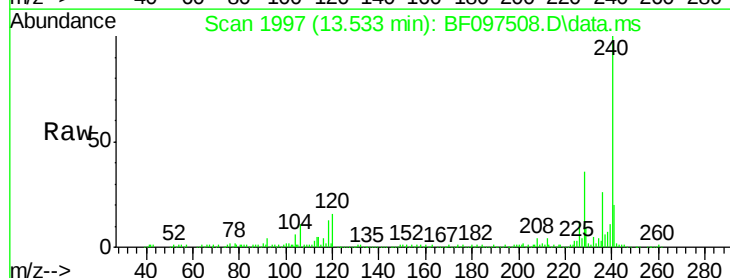
Tgt Ion:240 Resp: 162721

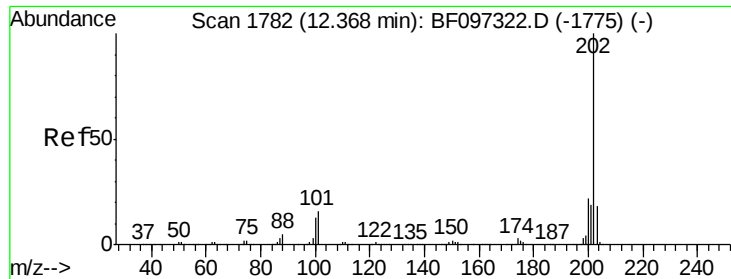
Ion Ratio Lower Upper

240 100

120 15.8 5.8 8.8#

236 26.3 20.5 30.7





#77

Pvrene

Concen: 40.44 ng

RT: 12.339 min Scan# 17

Delta R.T. 0.000 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

Instrument :

BNA_F

ClientSampleId :

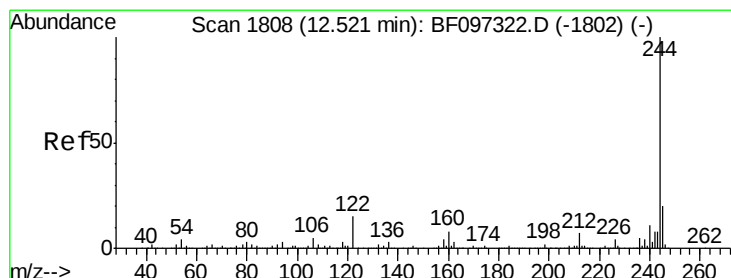
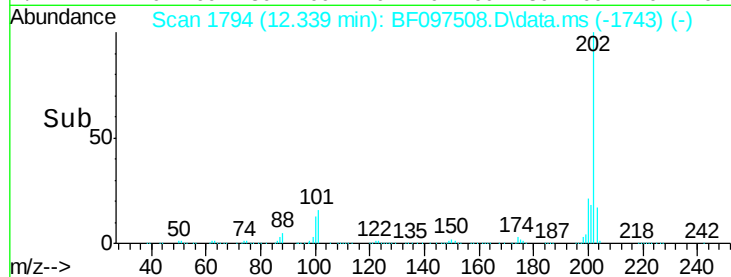
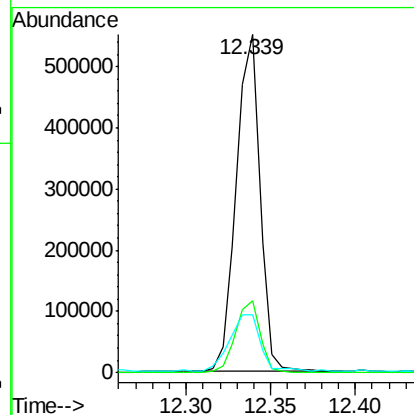
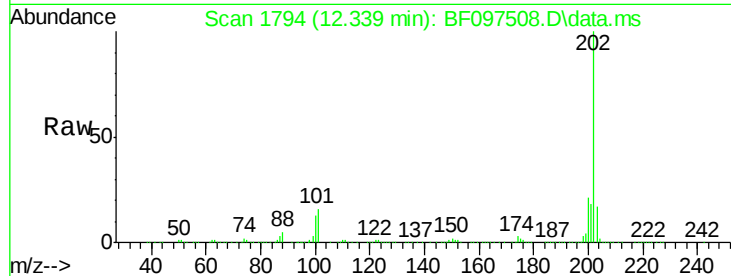
Tot Ion:202 Resp: 538761

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

203 17.0 14.4 21.6



#78

Terphenyl-d14

Concen: 10.20 ng

RT: 12.486 min Scan# 1819

Delta R.T. -0.012 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

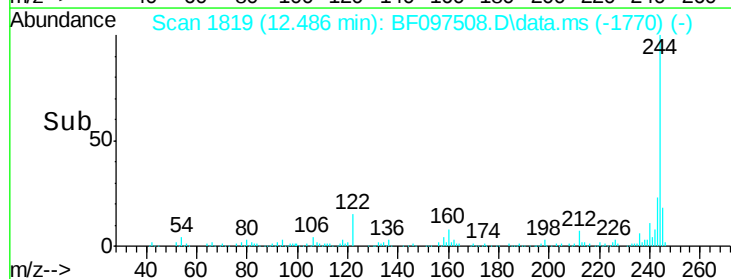
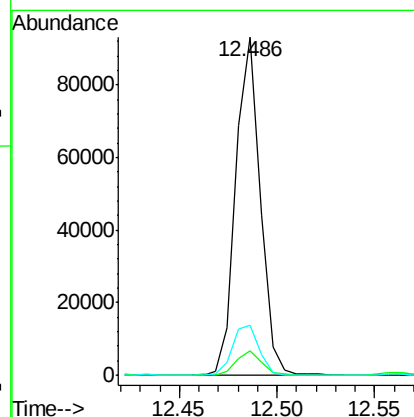
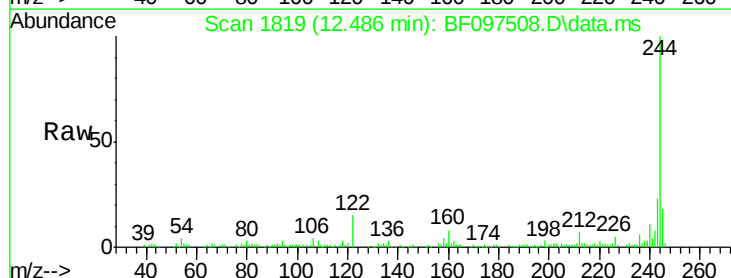
Tgt Ion:244 Resp: 81417

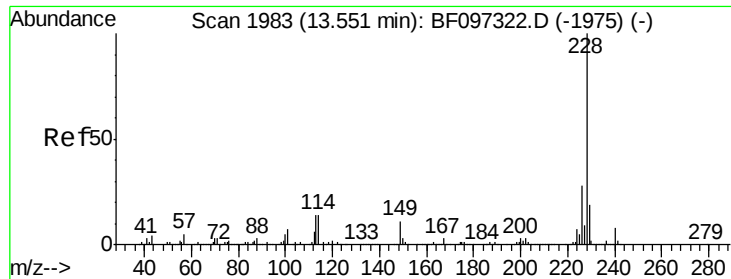
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 15.0 10.3 15.5





#80

Benzo(a)anthracene

Concen: 24.19 ng

RT: 13.521 min Scan# 19

Delta R.T. -0.006 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

Instrument :

BNA_F

ClientSampleId :

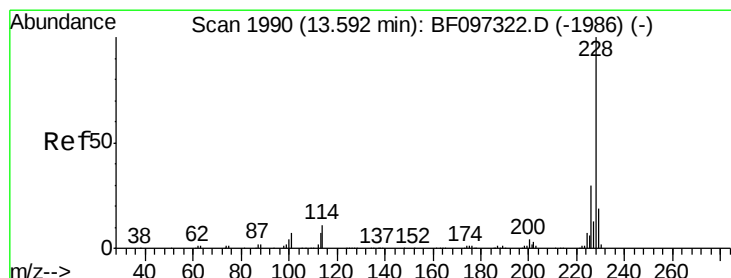
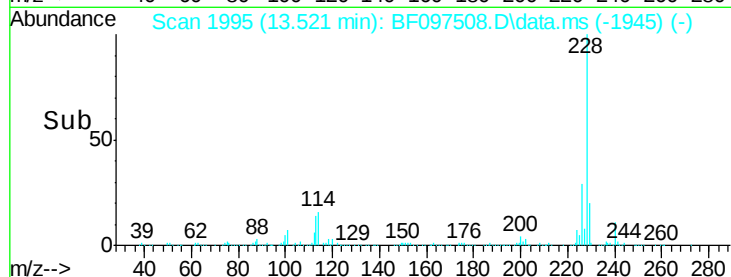
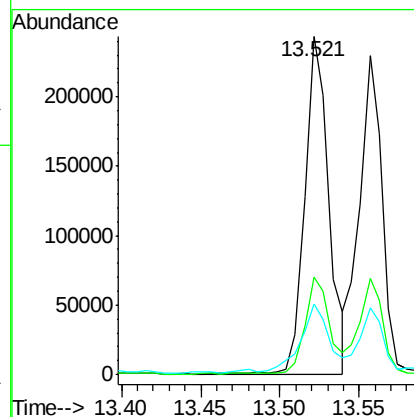
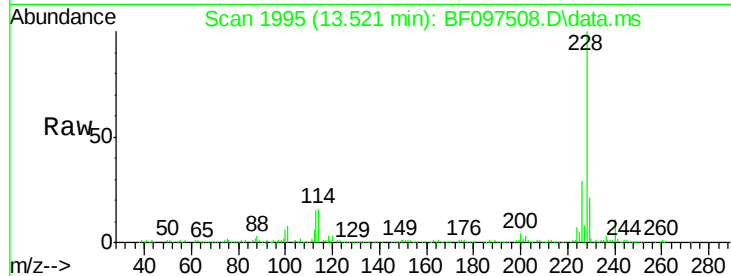
Tot Ion:228 Resp: 254671

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

229 20.8 16.3 24.5



#82

Chrysene

Concen: 22.16 ng

RT: 13.557 min Scan# 2001

Delta R.T. -0.006 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

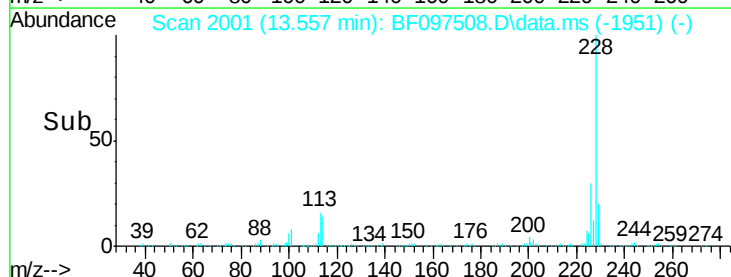
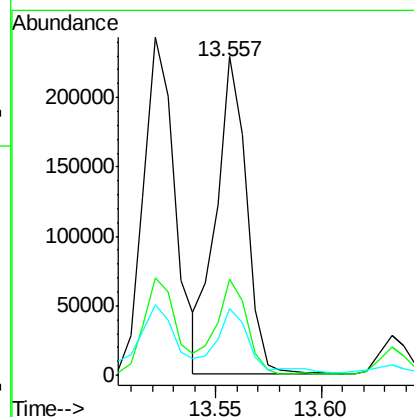
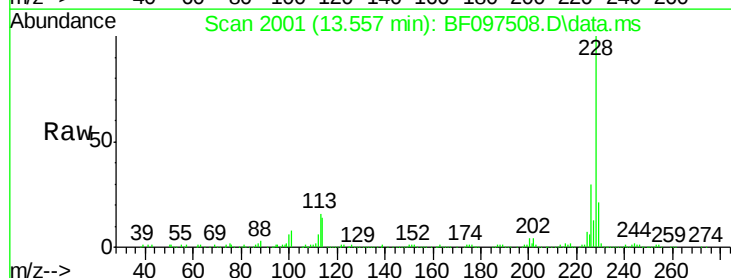
Tgt Ion:228 Resp: 227822

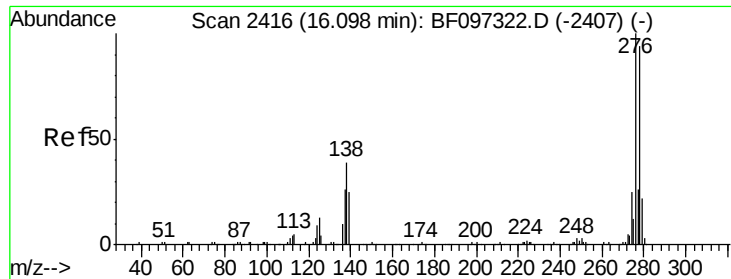
Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

229 21.0 15.8 23.6

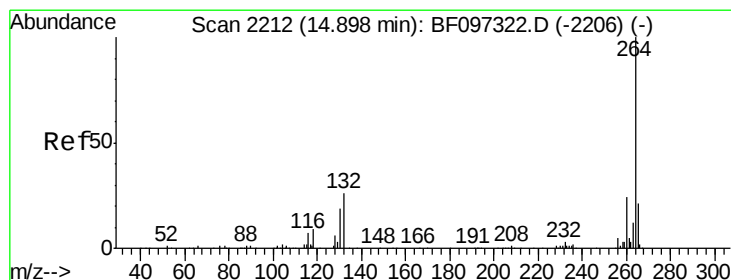
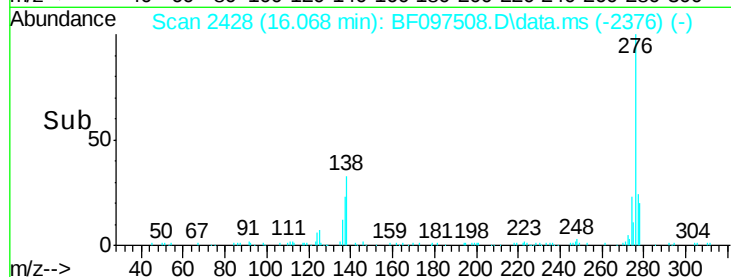
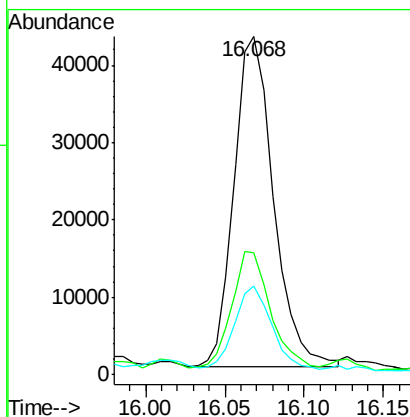
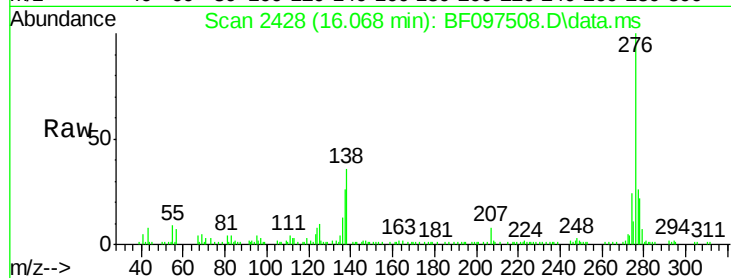




#85
Indeno(1,2,3-cd)pyrene
Concen: 8.39 ng
RT: 16.068 min Scan# 2416
Delta R.T. 0.006 min
Lab File: BF097508.D
Acq: 9 Aug 2017 10:23

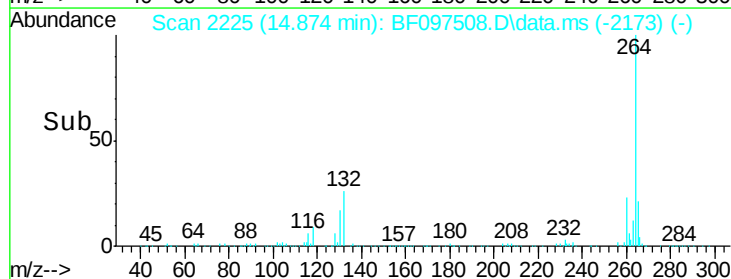
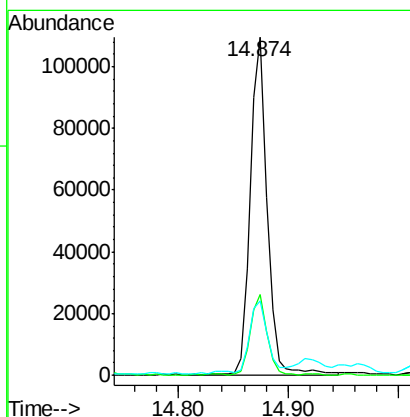
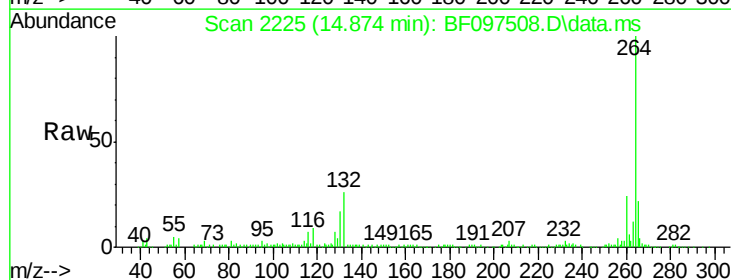
Instrument :
BNA_F
ClientSampleId :

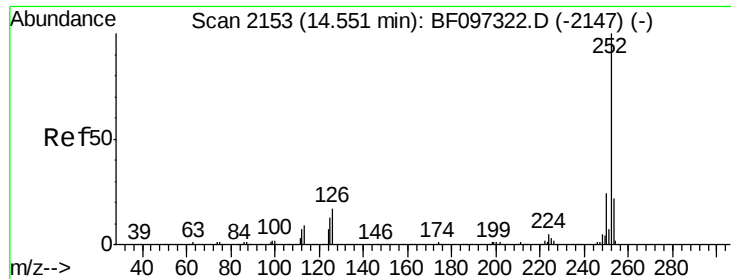
Tot Ion	Ratio	Lower	Upper
276	100		
138	37.0	27.8	41.6
277	24.9	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.874 min Scan# 2225
Delta R.T. 0.006 min
Lab File: BF097508.D
Acq: 9 Aug 2017 10:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.9	17.2	25.8

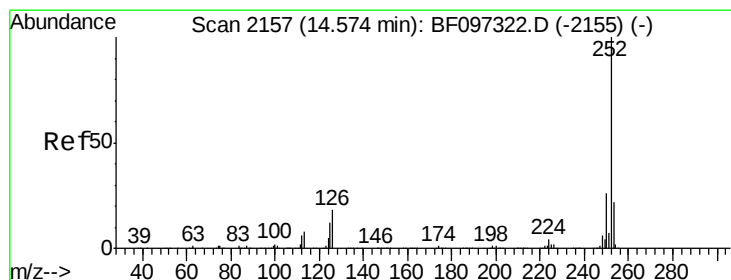
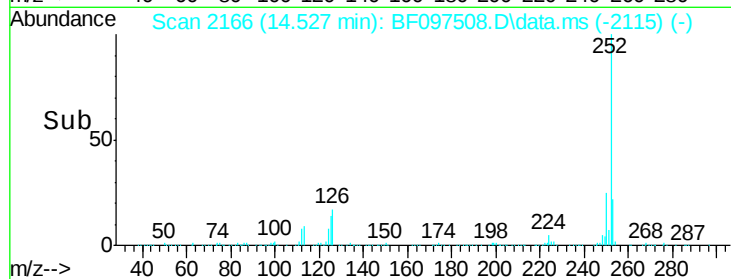
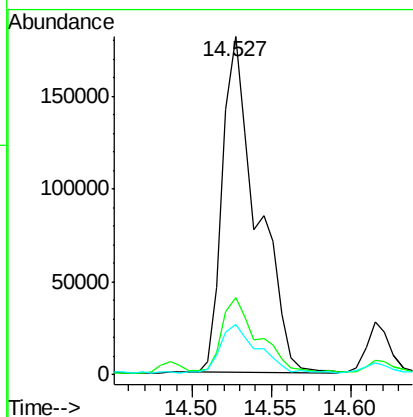
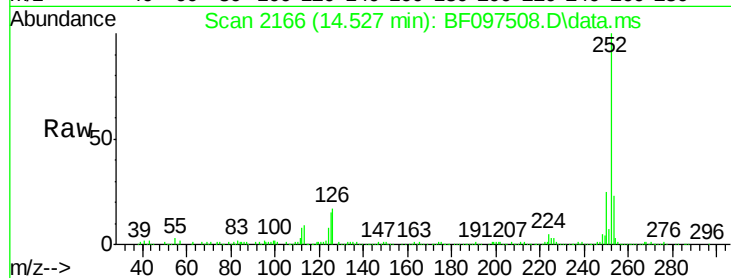




#87
Benzo(b)fluoranthene
Concen: 38.46 ng
RT: 14.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BF097508.D
Acq: 9 Aug 2017 10:23

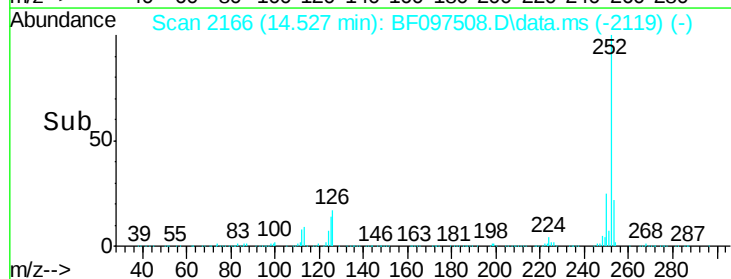
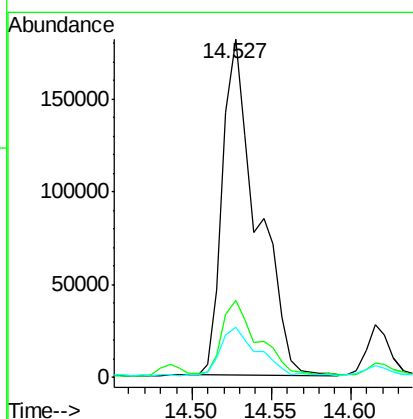
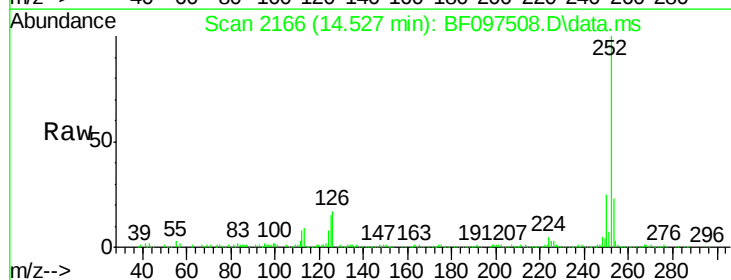
Instrument :
BNA_F
ClientSampleId :

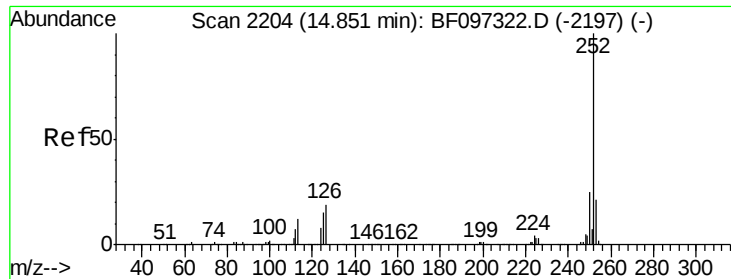
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	14.7	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 40.36 ng
RT: 14.527 min Scan# 2166
Delta R.T. -0.023 min
Lab File: BF097508.D
Acq: 9 Aug 2017 10:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	14.7	13.1	19.7





#89

Benzo(a)pyrene

Concen: 21.58 ng

RT: 14.827 min Scan# 22

Delta R.T. 0.006 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

Instrument :

BNA_F

ClientSampleId :

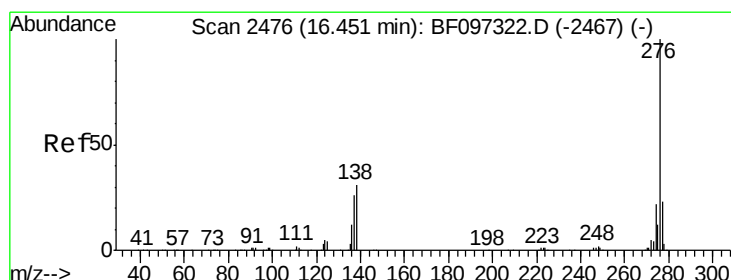
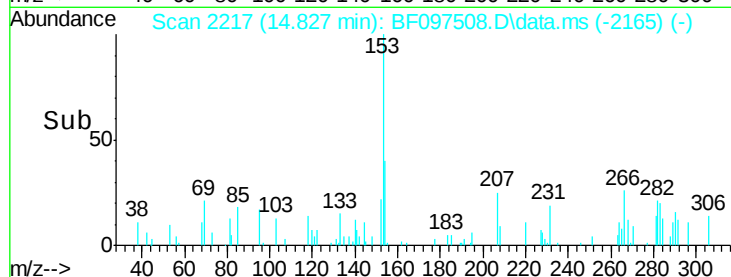
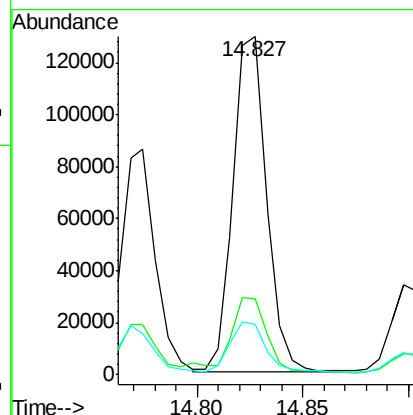
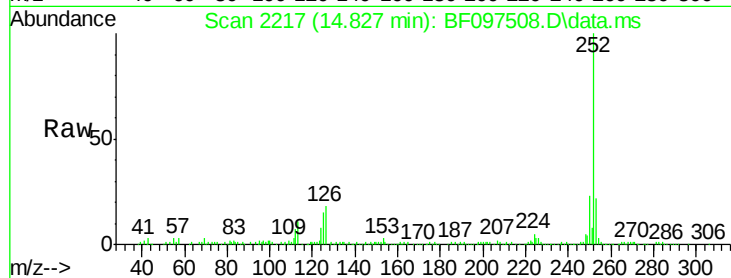
Tot Ion:252 Resp: 141717

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 14.6 11.0 16.4



#91

Benzo(g,h,i)perylene

Concen: 12.77 ng

RT: 16.415 min Scan# 2487

Delta R.T. 0.006 min

Lab File: BF097508.D

Acq: 9 Aug 2017 10:23

Tgt Ion:276 Resp: 72122

Ion Ratio Lower Upper

276 100

277 25.8 18.6 28.0

138 31.0 25.4 38.0

