

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022817\
 Data File : BF093245.D
 Acq On : 28 Feb 2017 13:41
 Operator : SJ/MA
 Sample : I1998-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 14:32:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	148938	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	537713	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	254965	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	433016	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	279516	20.00	ng	-0.05
86) Perylene-d12	15.39	264	308836	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1065405	122.72	ng	-0.03
7) Phenol-d6	6.46	99	1371766	122.81	ng	-0.02
23) Nitrobenzene-d5	7.38	82	826005	85.54	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	202053	109.57	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	1271867	90.37	ng	-0.05
78) Terphenyl-d14	12.91	244	742446	62.41	ng	-0.06

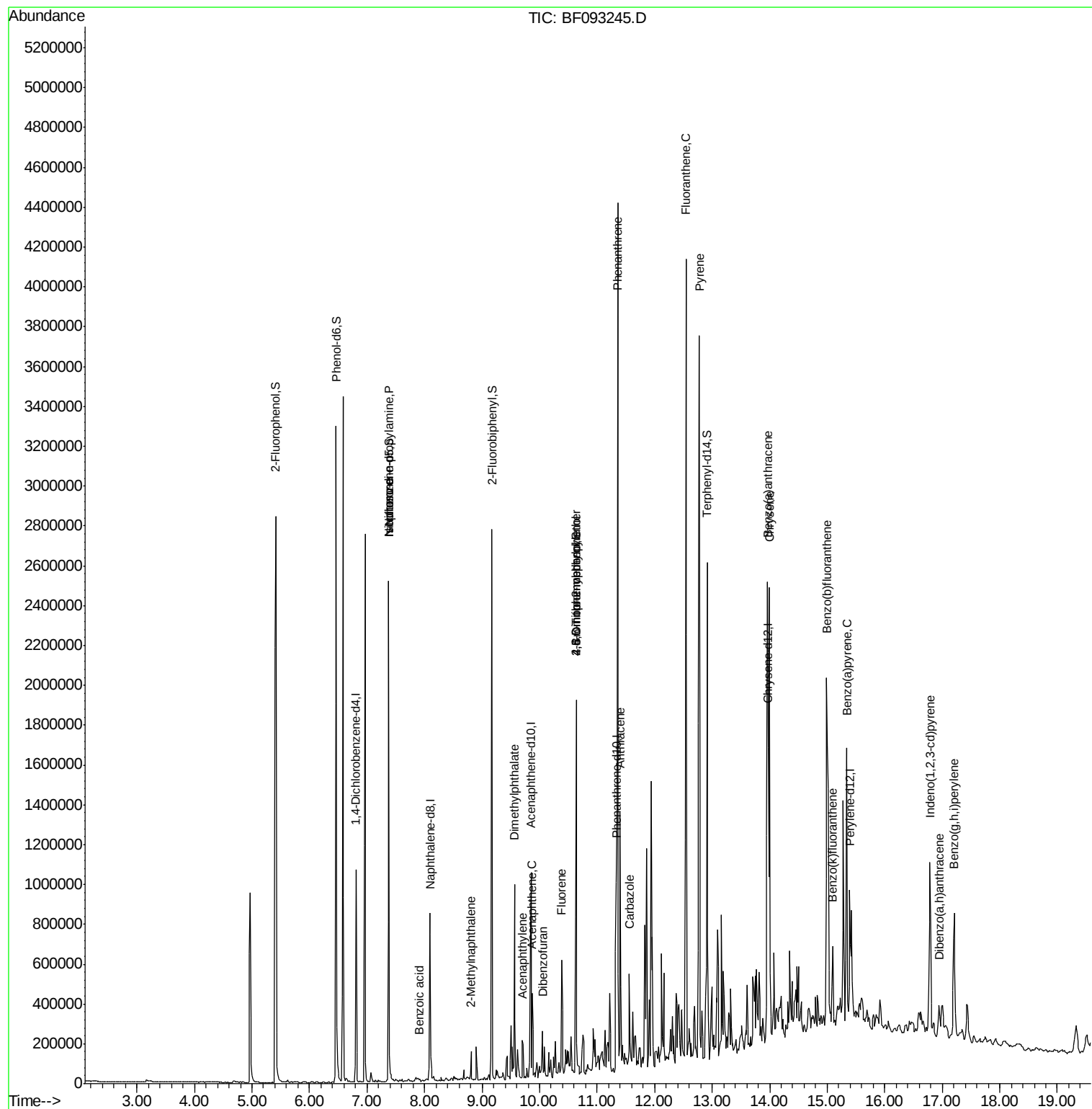
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.38	70	109935	15.46	ng	# 83
25) Isophorone	7.38	82	634067	35.24	ng	# 65
32) Benzoic acid	7.90	122	780	7.31	ng	89
37) 2-Methylnaphthalene	8.81	142	39010	2.23	ng	96
48) Acenaphthylene	9.71	152	96152	3.85	ng	99
49) Dimethylphthalate	9.56	163	389196	22.66	ng	98
51) Acenaphthene	9.87	154	106782	7.16	ng	96
54) Dibenzofuran	10.05	168	84316	4.23	ng	# 88
57) Fluorene	10.38	166	190663	12.42	ng	97
64) 4,6-Dinitro-2-methylphenol	10.64	198	746	2.94	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	15339	3.39	ng	# 1
70) Phenanthrene	11.36	178	1708427	68.87	ng	99
71) Anthracene	11.40	178	531562	21.34	ng	99
72) Carbazole	11.56	167	163689	6.87	ng	99
74) Fluoranthene	12.55	202	2174969	84.99	ng	99
77) Pyrene	12.77	202	1766846	84.47	ng	100
80) Benzo(a)anthracene	13.96	228	914756	53.51	ng	97
82) Chrysene	14.00	228	659927	41.23	ng	98
85) Indeno(1,2,3-cd)pyrene	16.79	276	558918	45.08	ng	95
87) Benzo(b)fluoranthene	14.99	252	1427324	70.22	ng	# 98
88) Benzo(k)fluoranthene	15.09	252	175228	9.98	ng	92
89) Benzo(a)pyrene	15.35	252	800680	45.54	ng	# 97
90) Dibenzo(a,h)anthracene	16.95	278	107800	7.59	ng	96
91) Benzo(g,h,i)perylene	17.21	276	475307	33.11	ng	# 88

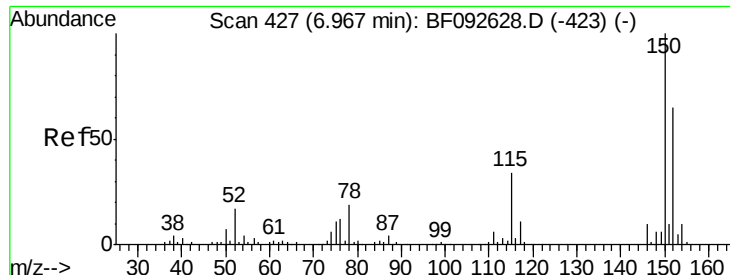
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022817\
Data File : BF093245.D
Acq On : 28 Feb 2017 13:41
Operator : SJ/MA
Sample : I1998-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 28 14:32:58 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration



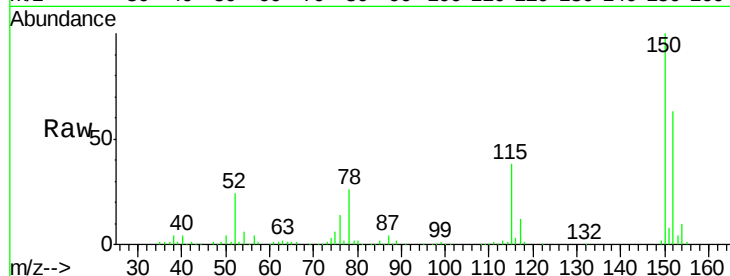


#1

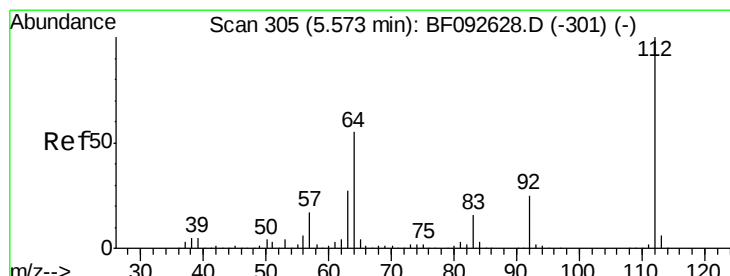
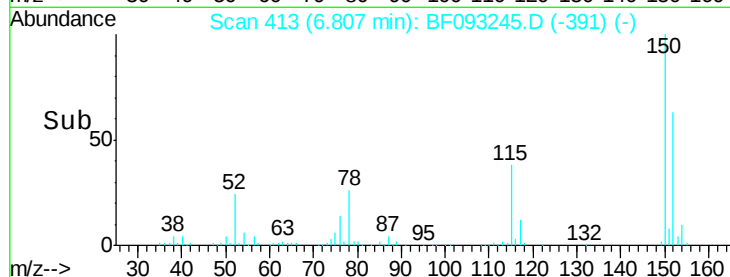
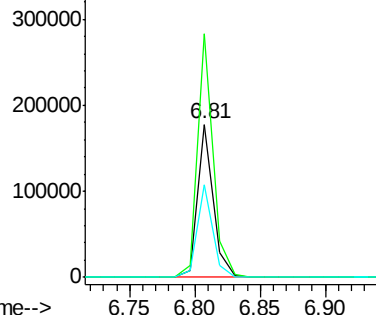
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093245.D
Acq: 28 Feb 2017 13:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 148938
Ion Ratio Lower Upper
152 100
150 159.1 124.9 187.3
115 60.1 46.0 69.0



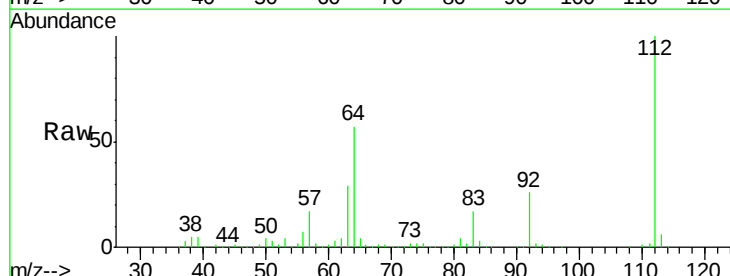
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



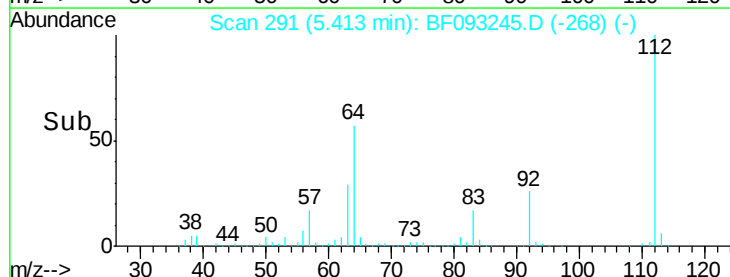
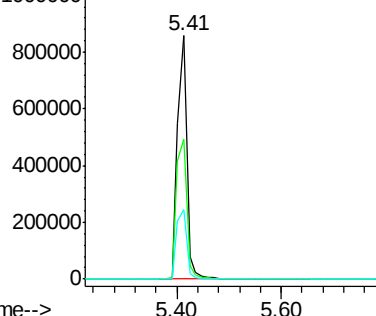
#5

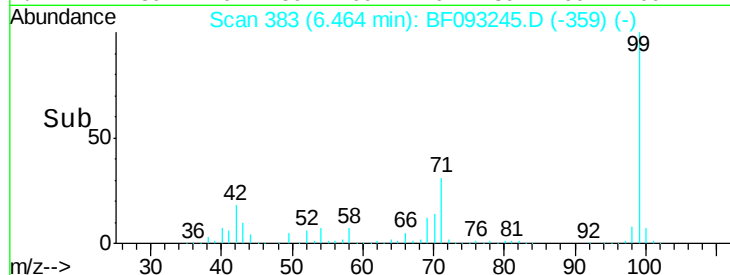
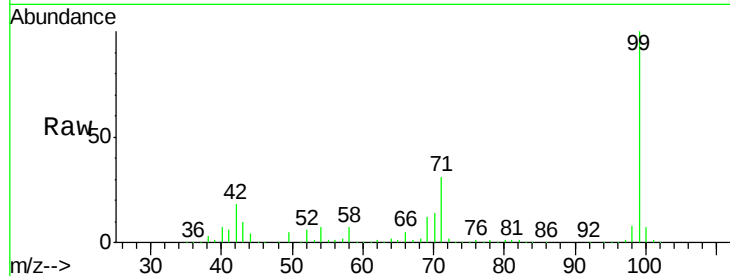
2-Fluorophenol
Concen: 122.72 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093245.D
Acq: 28 Feb 2017 13:41

Tgt Ion:112 Resp: 1065405
Ion Ratio Lower Upper
112 100
64 57.2 46.1 69.1
63 28.6 23.8 35.6



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: 122.81 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

Instrument :

BNA_F

ClientSampleId :

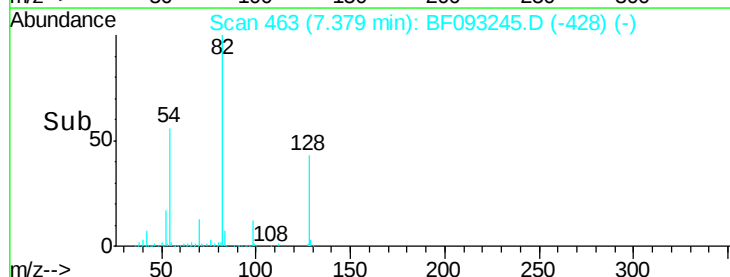
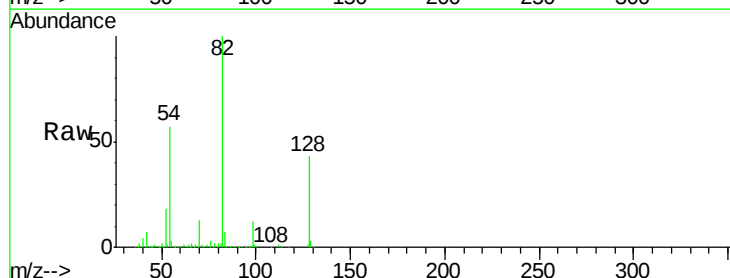
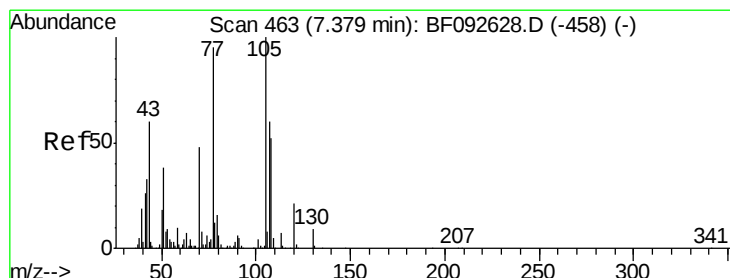
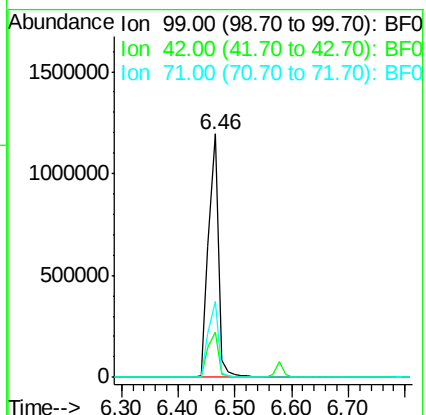
Tot Ion: 99 Resp: 1371766

Ion Ratio Lower Upper

99 100

42 18.5 15.6 23.4

71 31.1 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.46 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.10 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

Tgt Ion: 70 Resp: 109935

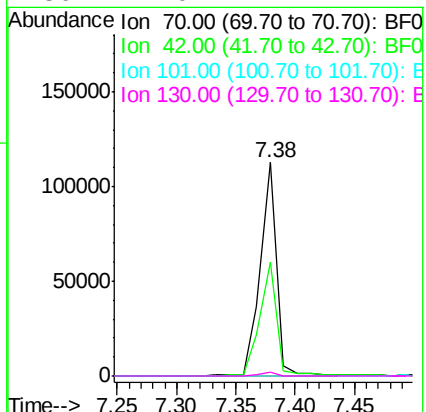
Ion Ratio Lower Upper

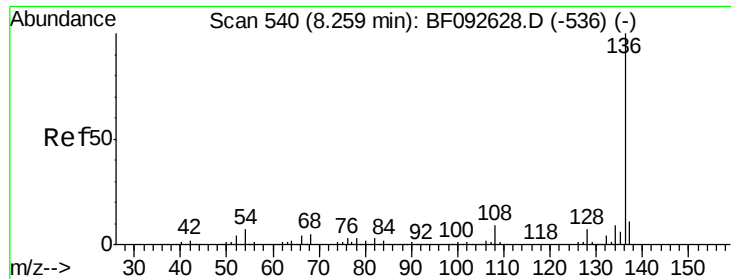
70 100

42 53.6 49.4 74.0

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

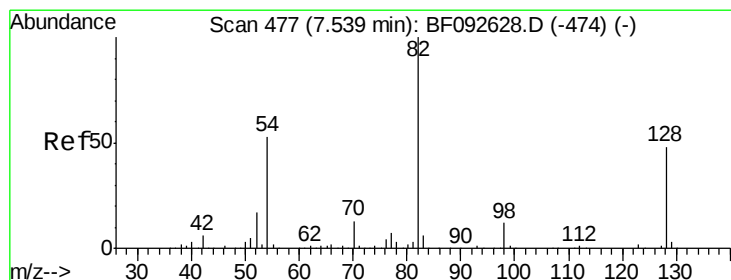
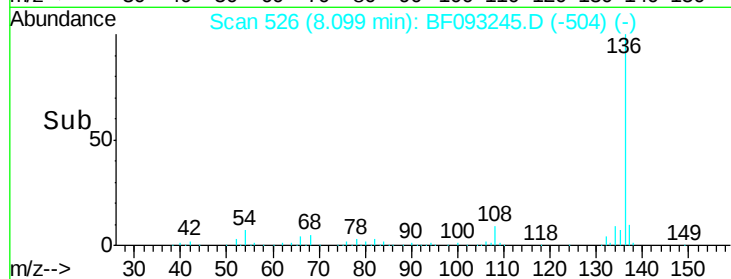
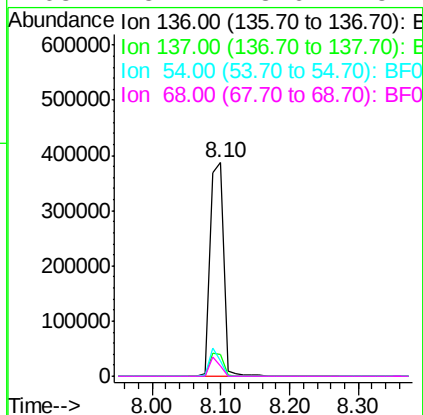
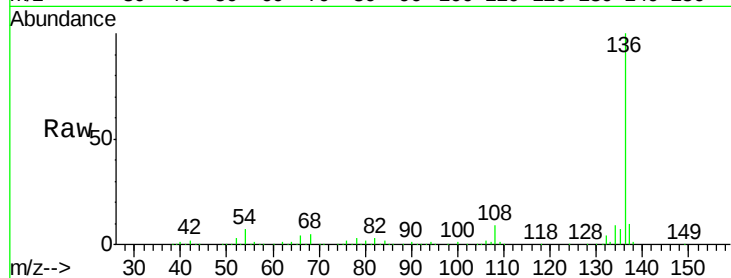




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093245.D
Acq: 28 Feb 2017 13:41

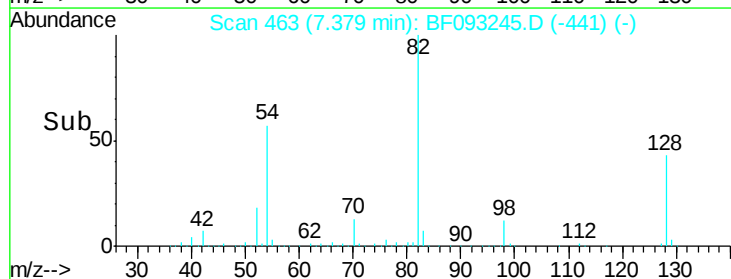
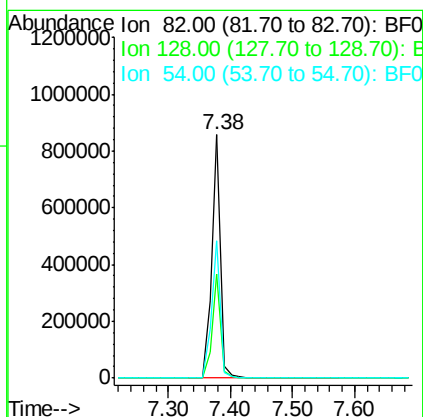
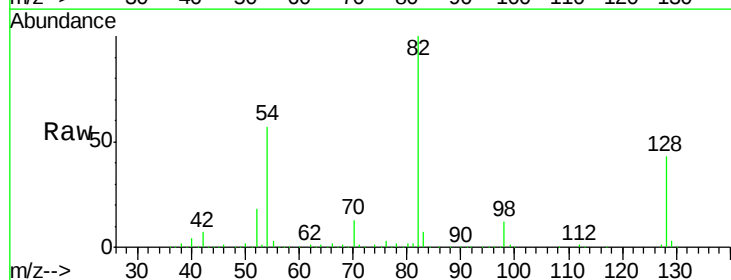
Instrument :
BNA_F
ClientSampleId :

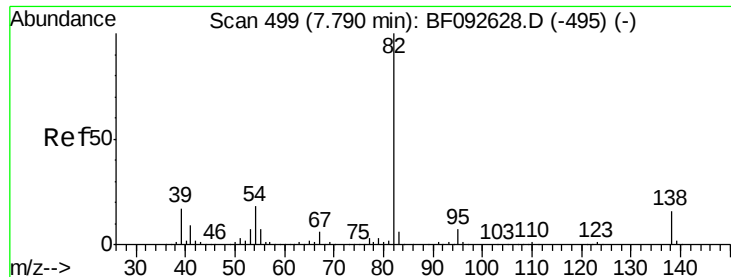
Tot Ion:136	Resp:	537713
Ion Ratio	Lower	Upper
136	100	
137	10.2	8.4 12.6
54	7.1	4.5 6.7#
68	5.1	3.6 5.4



#23
Nitrobenzene-d5
Concen: 85.54 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093245.D
Acq: 28 Feb 2017 13:41

Tgt Ion: 82	Resp:	826005
Ion Ratio	Lower	Upper
82	100	
128	42.8	34.6 52.0
54	56.6	39.5 59.3

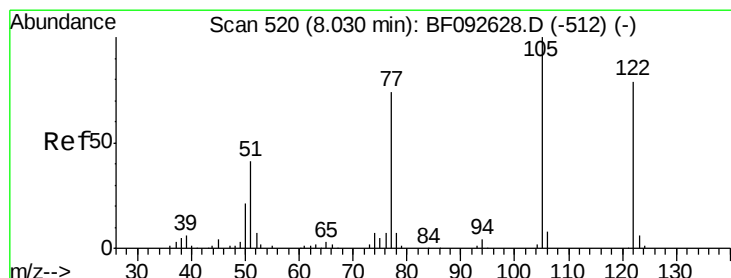
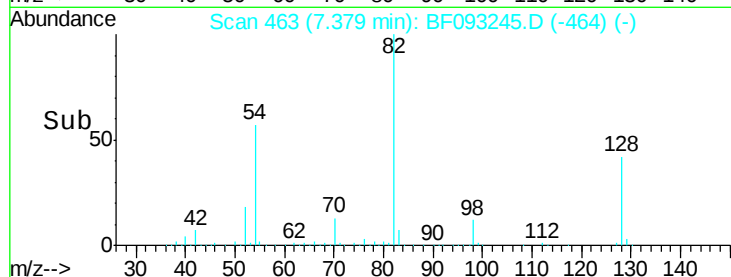
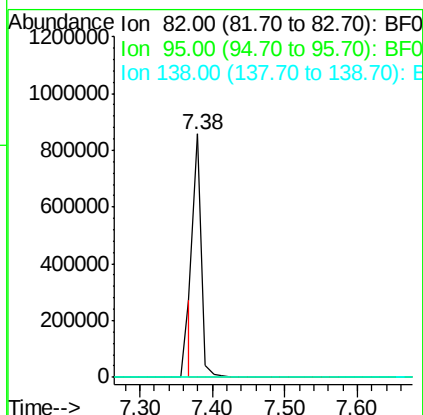
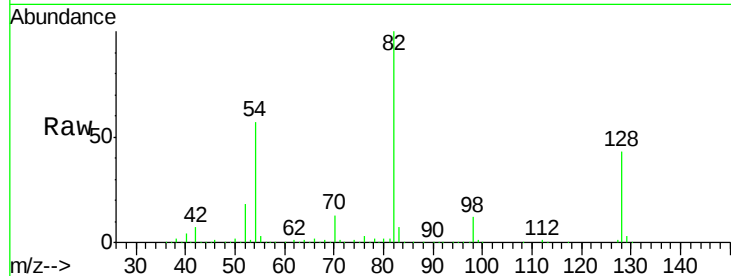




#25
Isophorone
Concen: 35.24 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.31 min
Lab File: BF093245.D
Acq: 28 Feb 2017 13:41

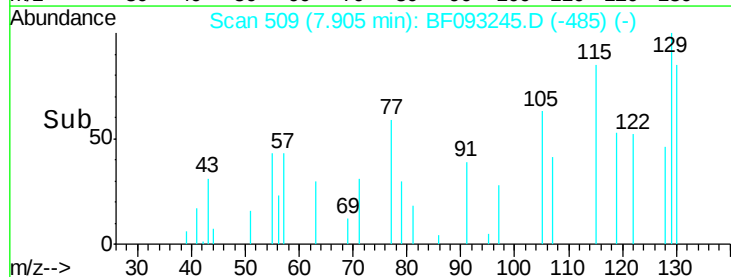
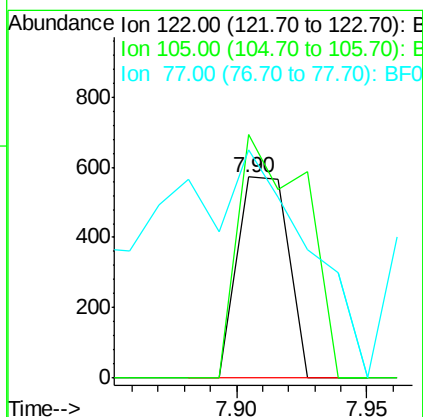
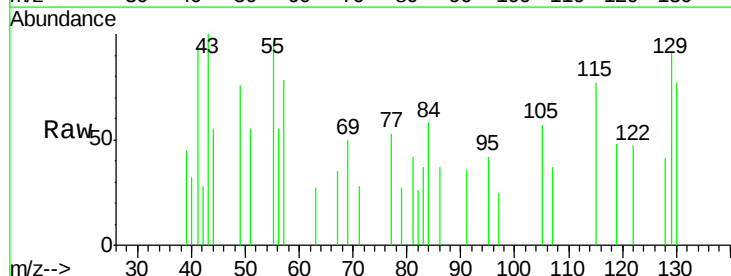
Instrument :
BNA_F
ClientSampled :

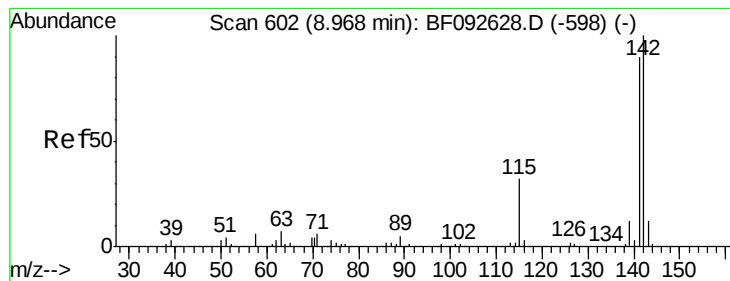
Tot Ion: 82 Resp: 634067
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.31 ng
RT: 7.90 min Scan# 509
Delta R.T. -0.02 min
Lab File: BF093245.D
Acq: 28 Feb 2017 13:41

Tgt Ion: 122 Resp: 780
Ion Ratio Lower Upper
122 100
105 121.2 107.2 147.2
77 113.6 74.5 114.5





#37

2-Methylnaphthalene

Concen: 2.23 ng

RT: 8.81 min Scan# 588

Delta R.T. -0.05 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

Instrument :

BNA_F

ClientSampleId :

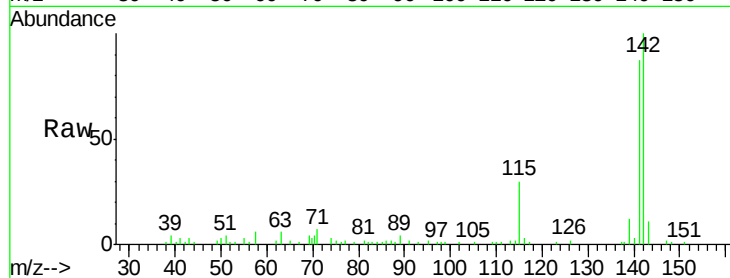
Tot Ion:142 Resp: 39010

Ion Ratio Lower Upper

142 100

141 87.1 71.0 106.6

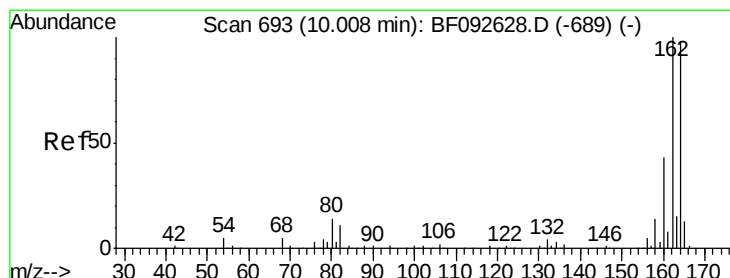
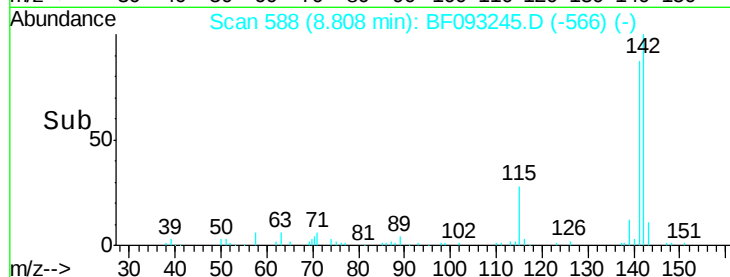
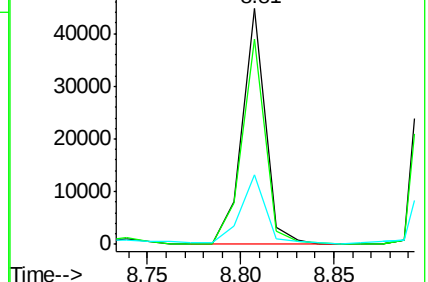
115 29.8 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

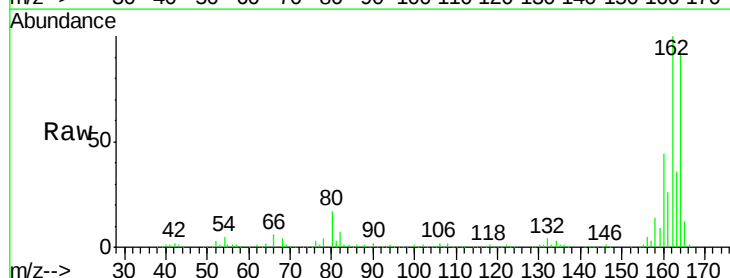
Tgt Ion:164 Resp: 254965

Ion Ratio Lower Upper

164 100

162 107.2 80.2 120.2

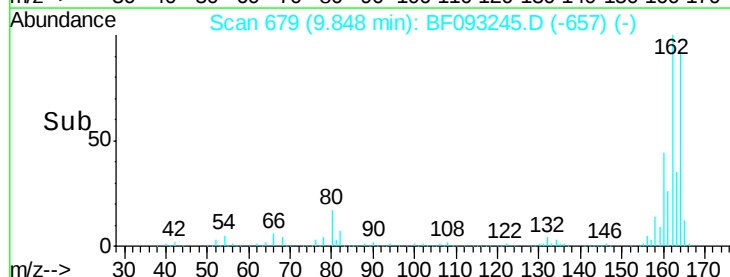
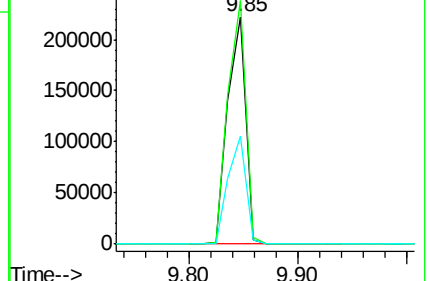
160 47.5 36.9 55.3

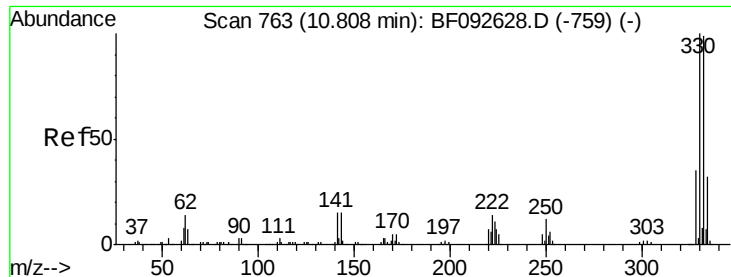


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

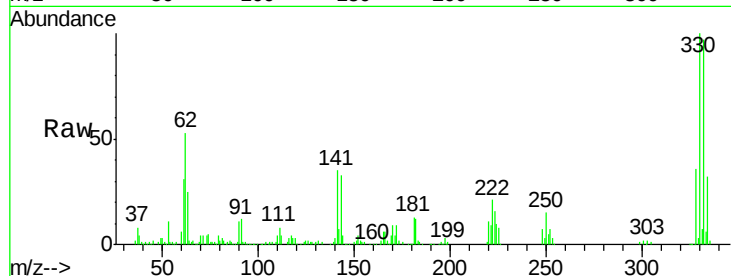




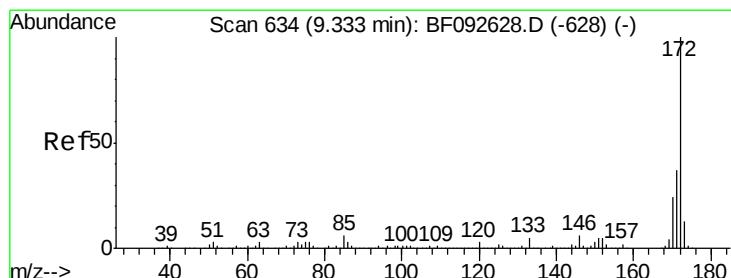
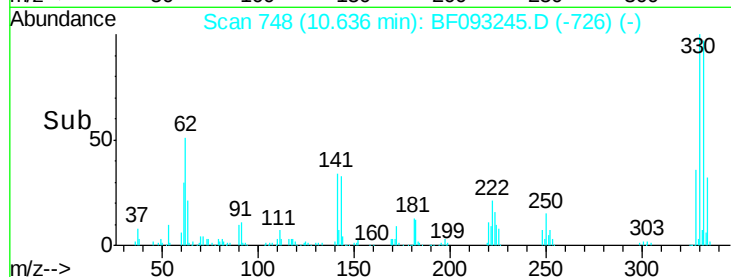
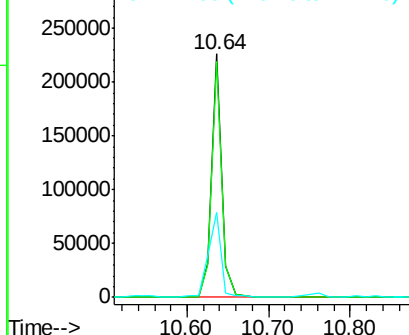
#41
 2,4,6-Tribromophenol
 Concen: 109.57 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093245.D
 Acq: 28 Feb 2017 13:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 202053
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.4 116.2
 141 42.0 34.1 51.1

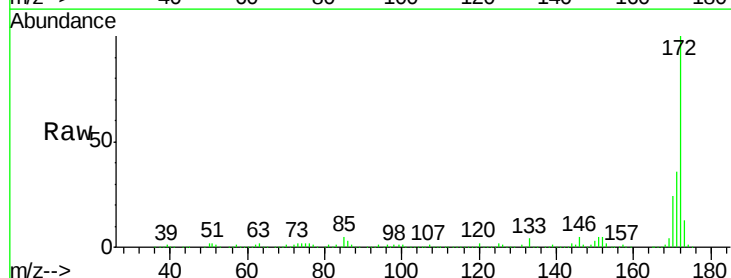


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

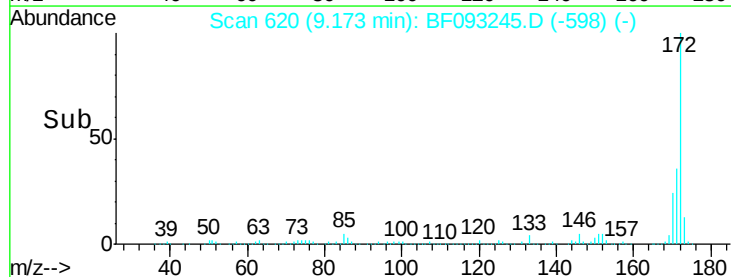
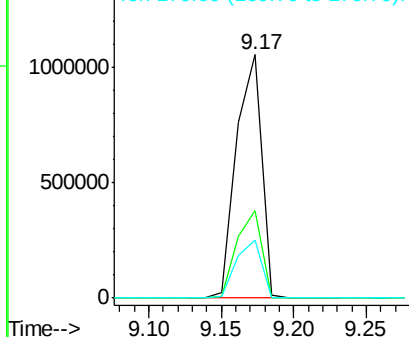


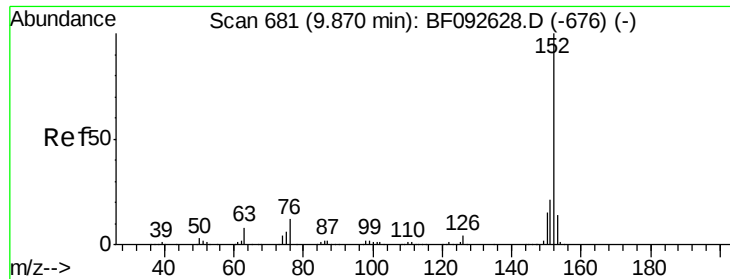
#44
 2-Fluorobiphenyl
 Concen: 90.37 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093245.D
 Acq: 28 Feb 2017 13:41

Tgt Ion:172 Resp: 1271867
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 23.9 20.2 30.4



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





#48

Acenaphthylene

Concen: 3.85 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.05 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

Instrument :

BNA_F

ClientSampled :

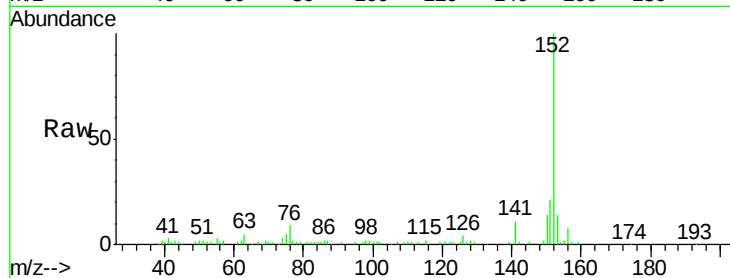
Tot Ion:152 Resp: 96152

Ion Ratio Lower Upper

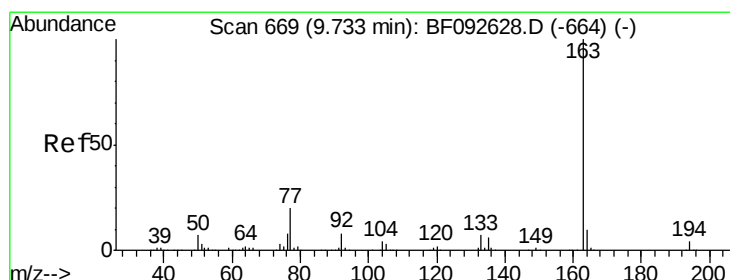
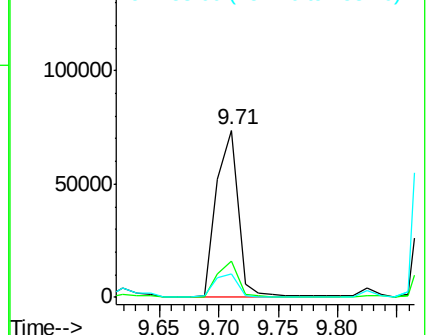
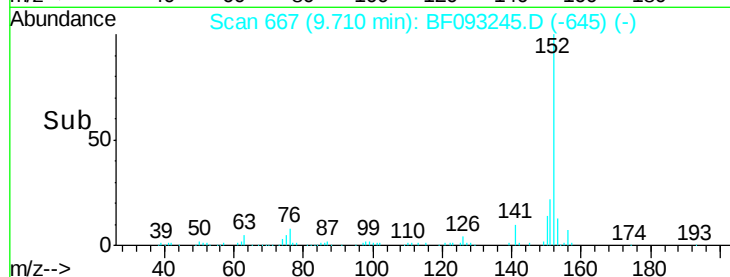
152 100

151 21.4 16.9 25.3

153 14.2 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 22.66 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.06 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

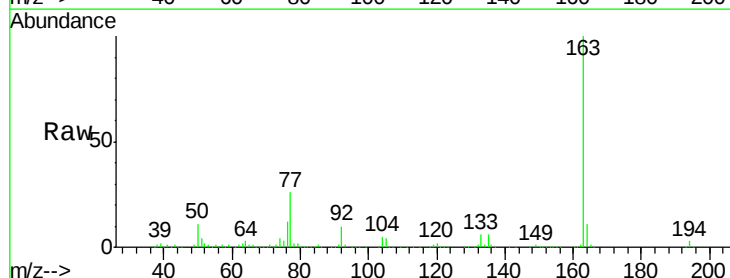
Tgt Ion:163 Resp: 389196

Ion Ratio Lower Upper

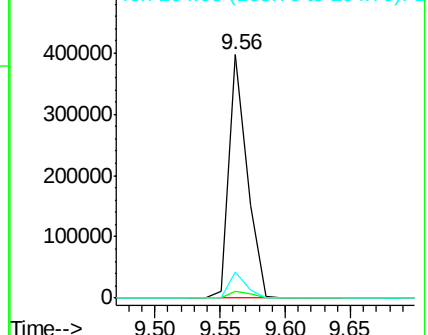
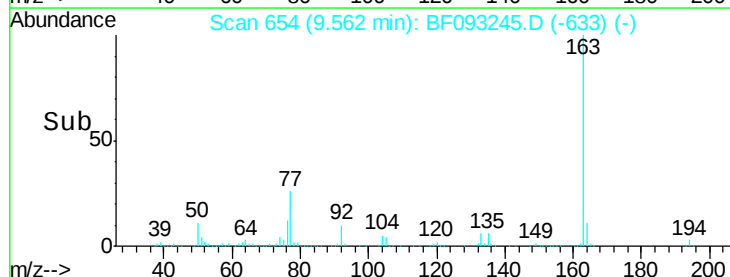
163 100

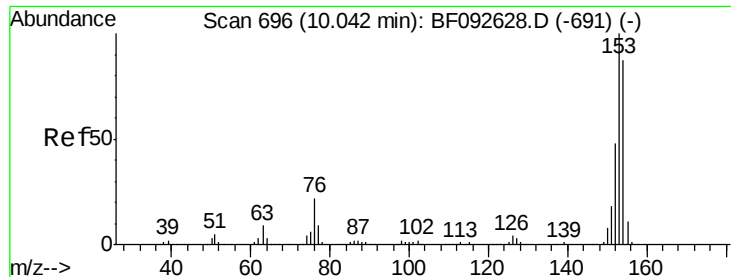
194 3.0 3.0 4.4

164 10.6 8.0 12.0



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





#51

Acenaphthene

Concen: 7.16 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.06 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

Instrument :

BNA_F

ClientSampled :

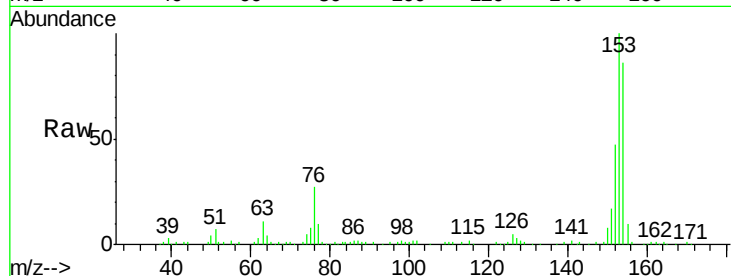
Tot Ion:154 Resp: 106782

Ion Ratio Lower Upper

154 100

153 115.7 88.6 133.0

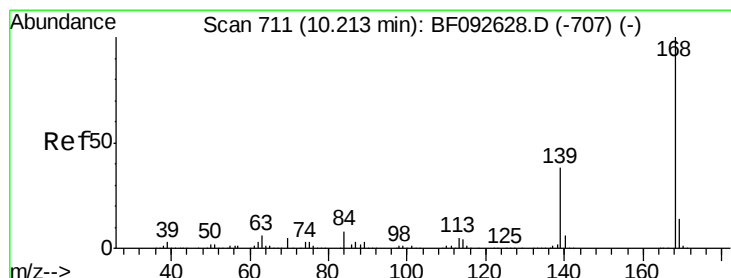
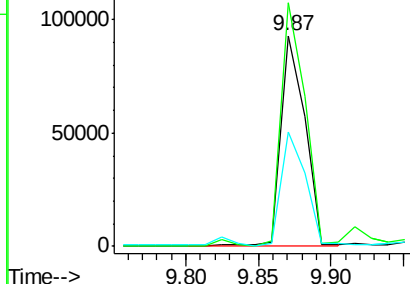
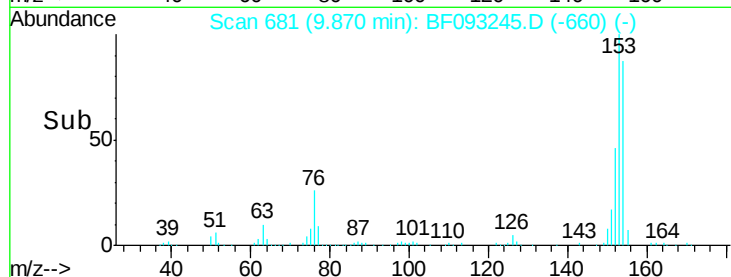
152 54.5 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 4.23 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.05 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

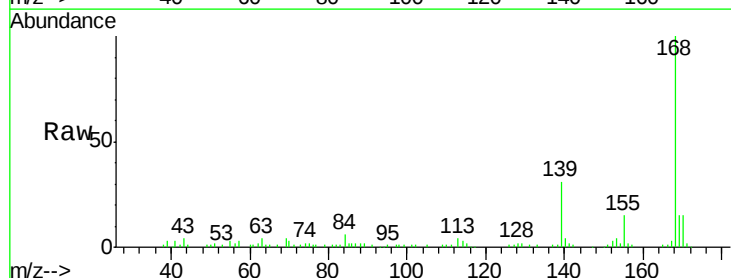
Tgt Ion:168 Resp: 84316

Ion Ratio Lower Upper

168 100

139 31.3 32.6 49.0#

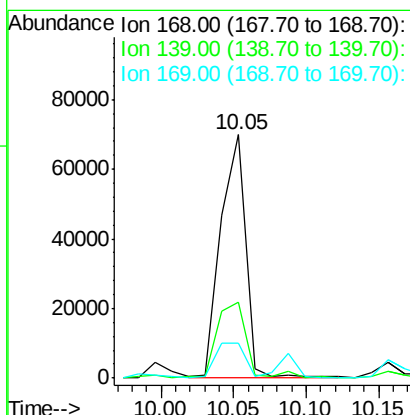
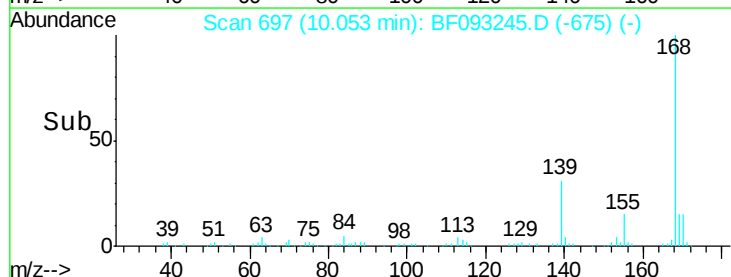
169 14.6 11.3 16.9

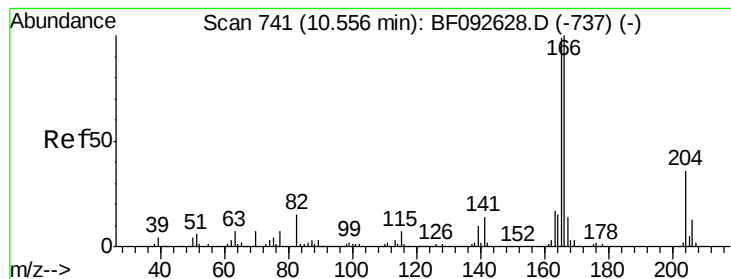


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 12.42 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.06 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

Instrument :

BNA_F

ClientSampleId :

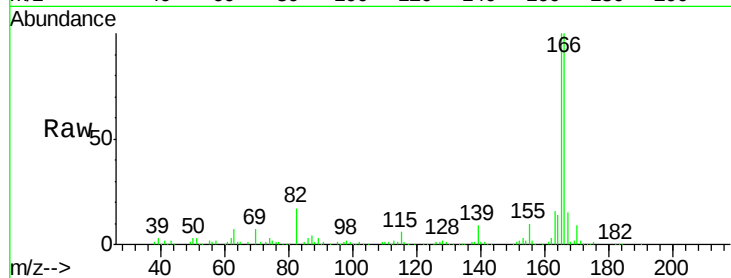
Tot Ion:166 Resp: 190663

Ion Ratio Lower Upper

166 100

165 100.4 77.8 116.8

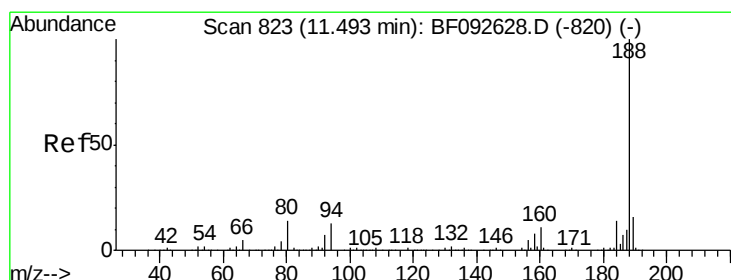
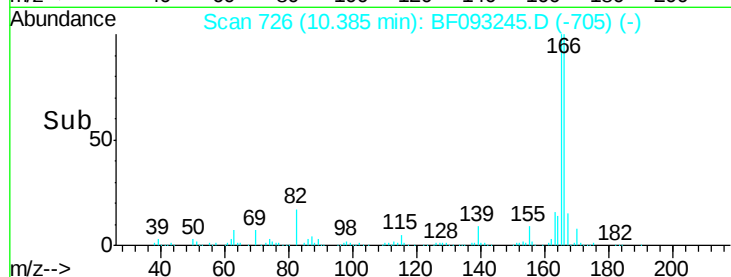
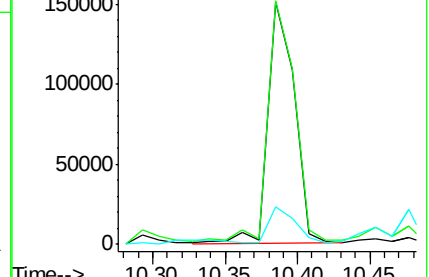
167 15.3 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.05 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

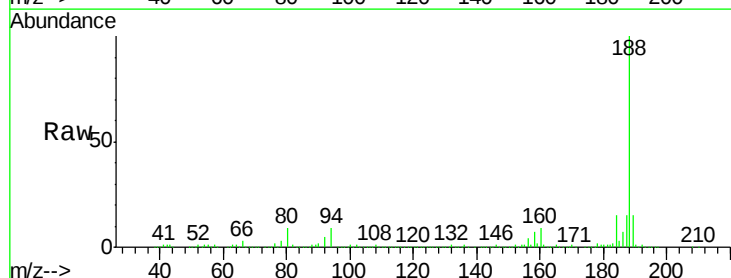
Tgt Ion:188 Resp: 433016

Ion Ratio Lower Upper

188 100

94 9.2 10.0 15.0#

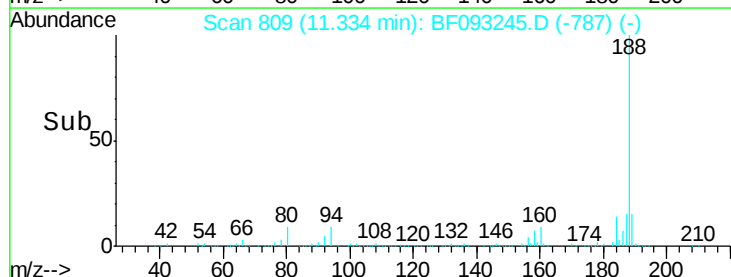
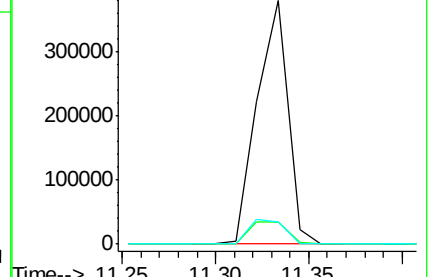
80 9.2 11.2 16.8#

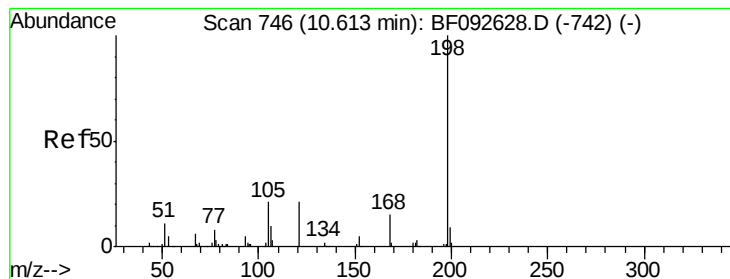


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.94 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.14 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

Instrument :

BNA_F

ClientSampleId :

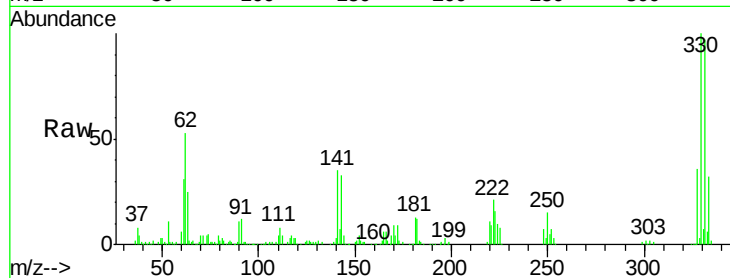
Tot Ion:198 Resp: 746

Ion Ratio Lower Upper

198 100

51 330.8 6.7 46.7#

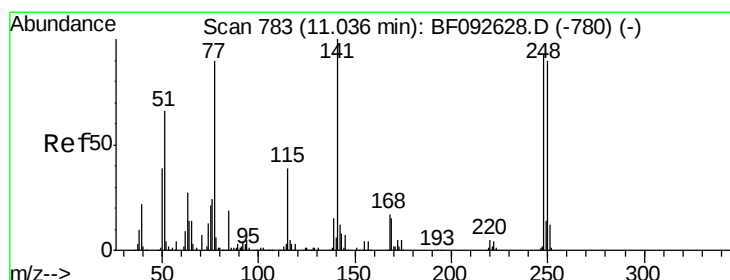
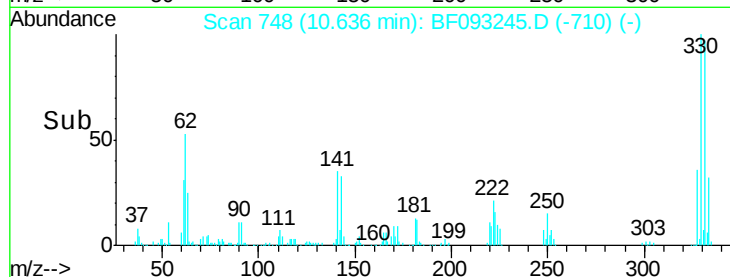
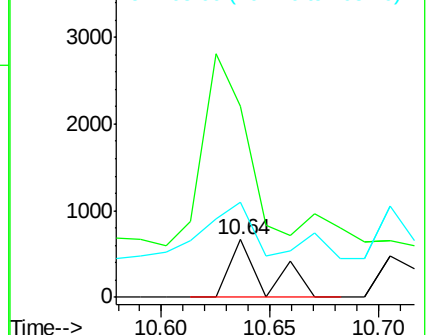
105 164.5 16.6 56.6#



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: 3.39 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.29 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

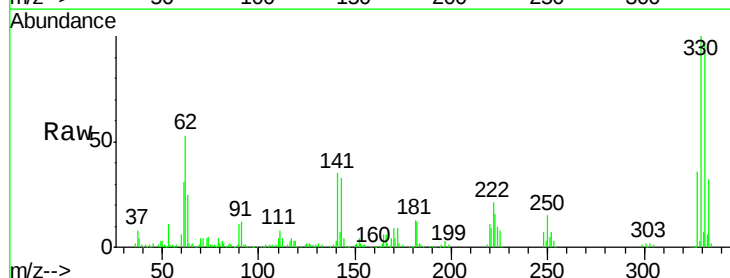
Tgt Ion:248 Resp: 15339

Ion Ratio Lower Upper

248 100

250 198.2 76.9 115.3#

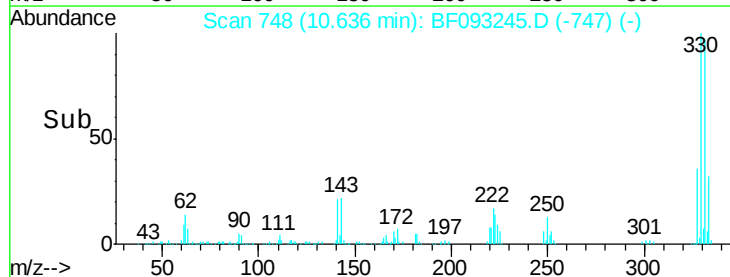
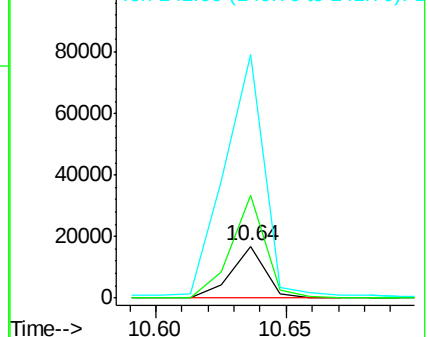
141 469.1 68.2 102.4#

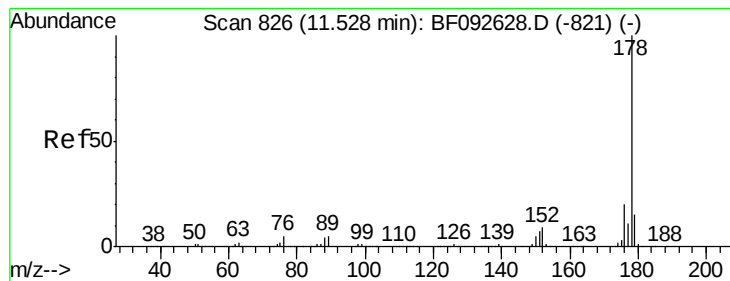


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 68.87 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.05 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

Instrument :

BNA_F

ClientSampled :

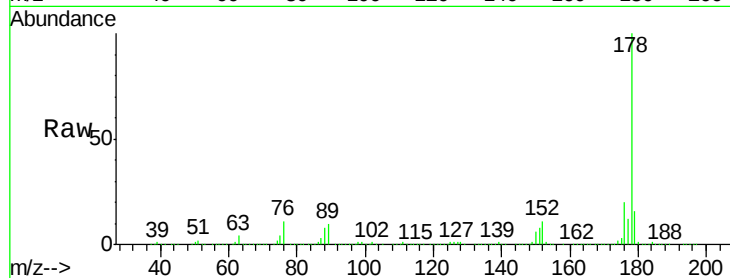
Tot Ion:178 Resp: 1708427

Ion Ratio Lower Upper

178 100

176 20.1 16.6 25.0

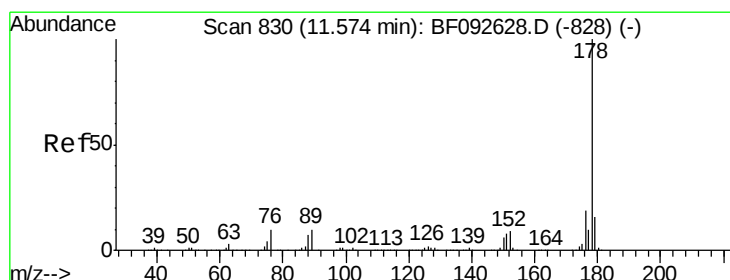
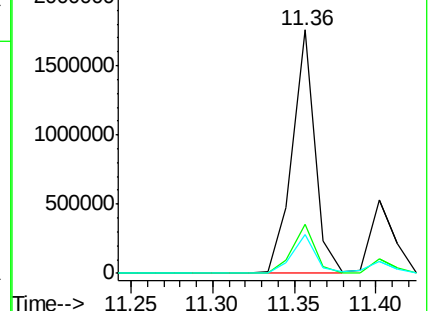
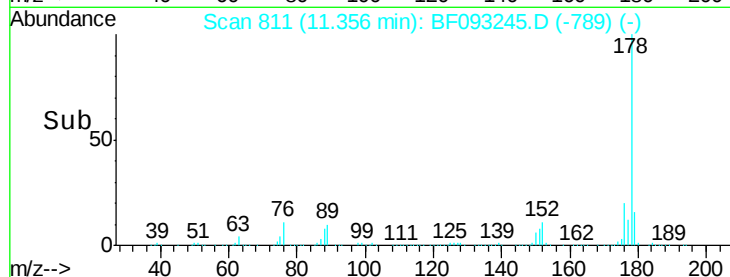
179 16.1 12.8 19.2



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



#71

Anthracene

Concen: 21.34 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.06 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

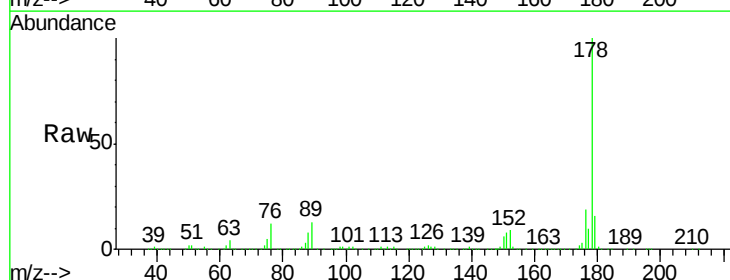
Tgt Ion:178 Resp: 531562

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

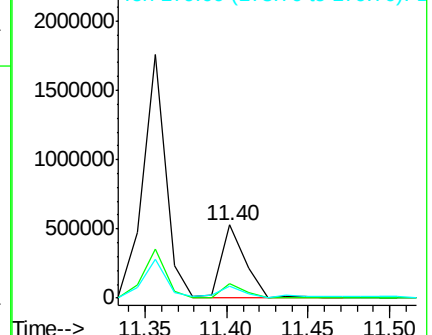
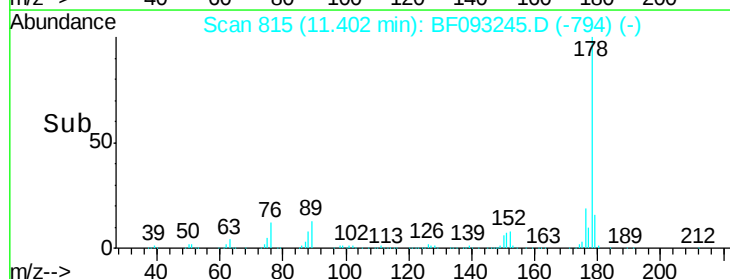
179 16.0 13.2 19.8

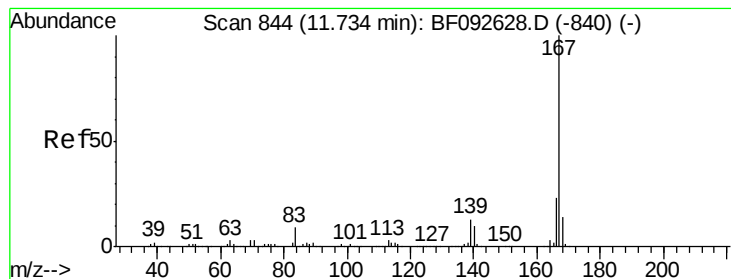


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 6.87 ng

RT: 11.56 min Scan# 829

Delta R.T. -0.05 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

Instrument :

BNA_F

ClientSampled :

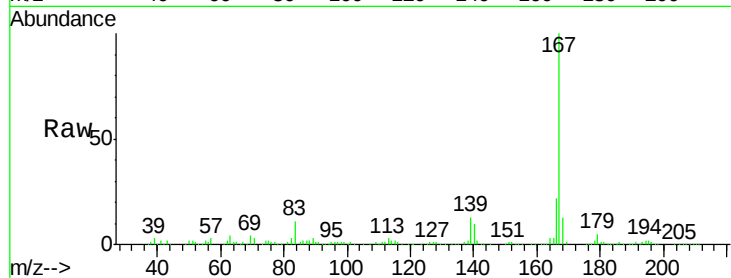
Tot Ion:167 Resp: 163689

Ion Ratio Lower Upper

167 100

166 22.4 18.2 27.2

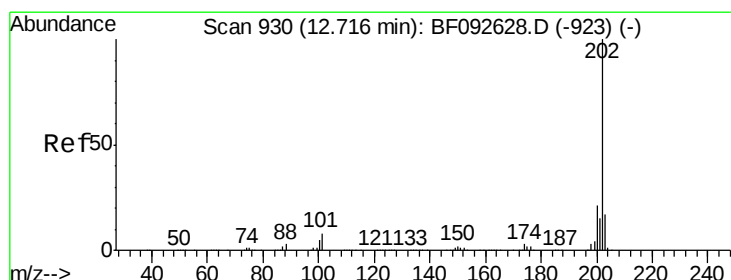
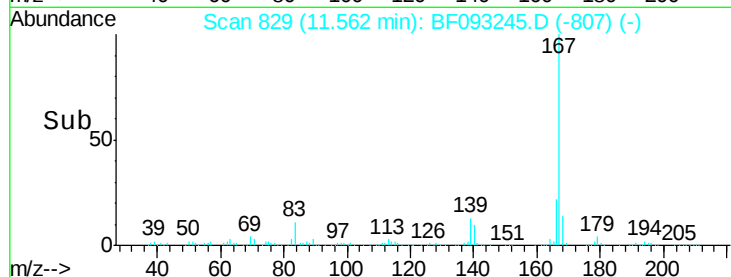
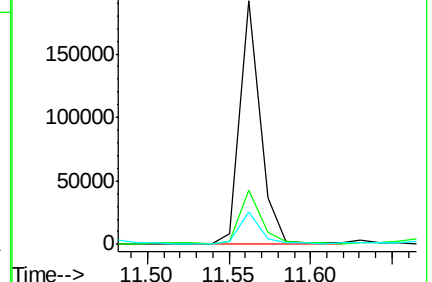
139 13.4 11.4 17.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 84.99 ng

RT: 12.55 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

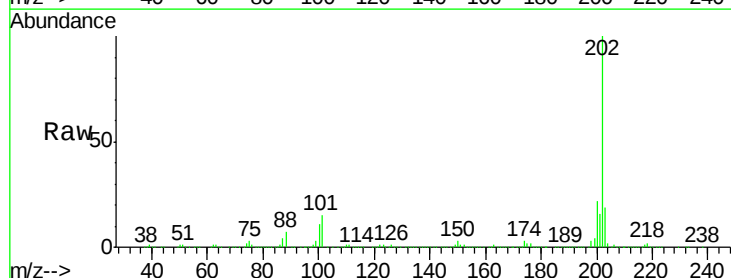
Tgt Ion:202 Resp: 2174969

Ion Ratio Lower Upper

202 100

101 15.0 0.0 34.6

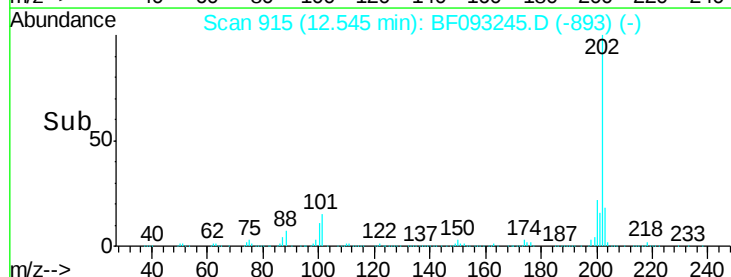
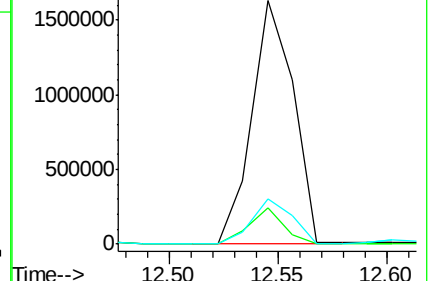
203 18.5 0.0 38.7

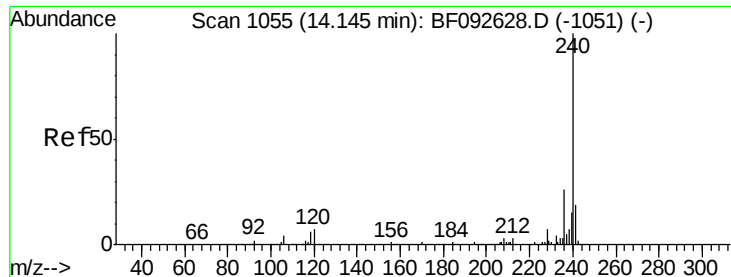


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

Instrument :

BNA_F

ClientSampleId :

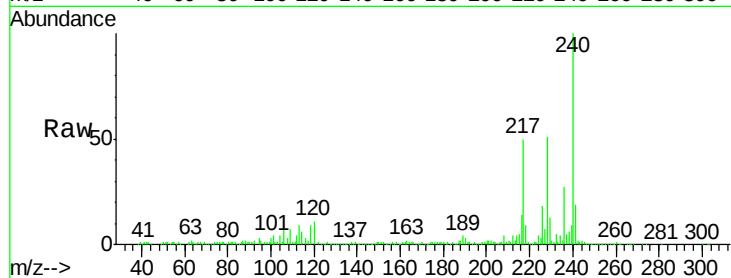
Tot Ion:240 Resp: 279516

Ion Ratio Lower Upper

240 100

120 11.3 12.9 19.3#

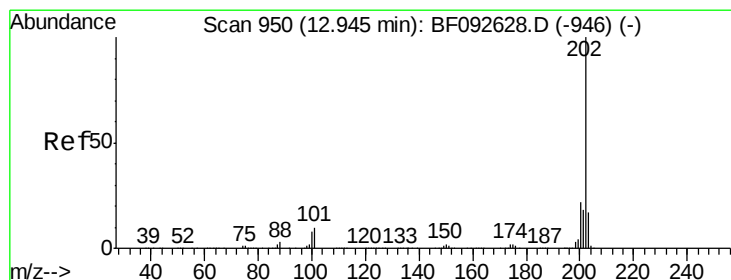
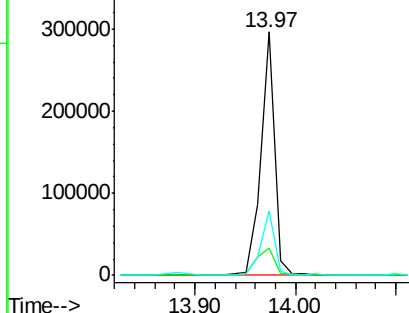
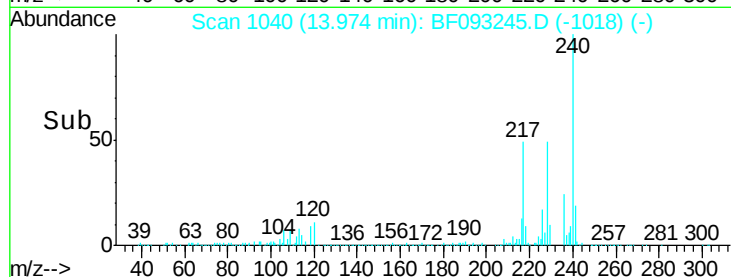
236 26.7 20.9 31.3



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: 84.47 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

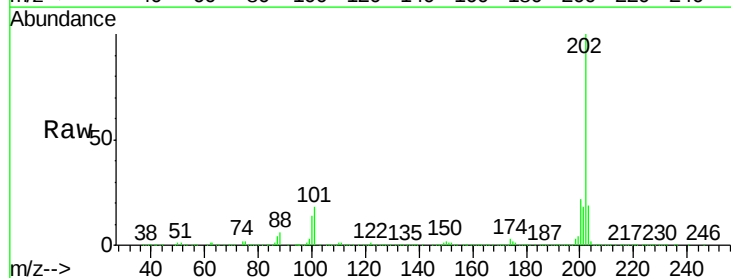
Tgt Ion:202 Resp: 1766846

Ion Ratio Lower Upper

202 100

200 22.2 17.7 26.5

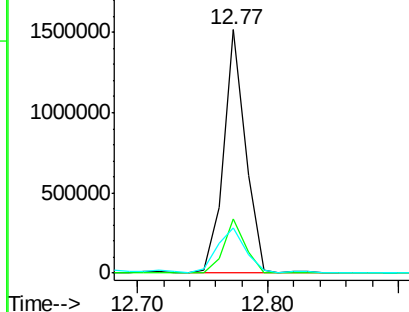
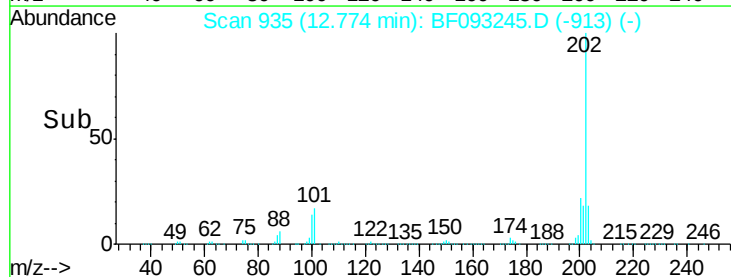
203 18.5 14.7 22.1

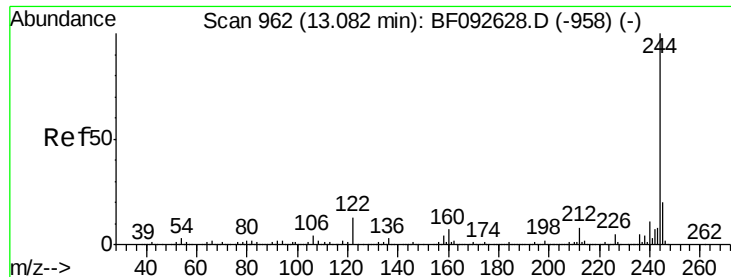


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

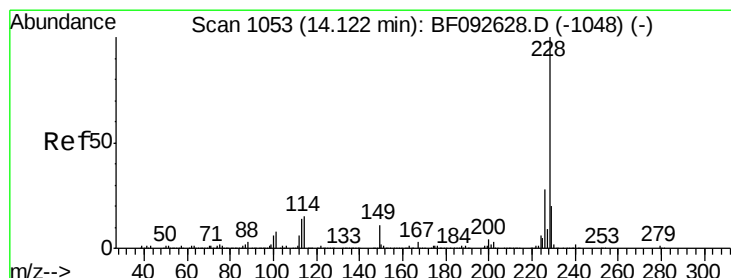
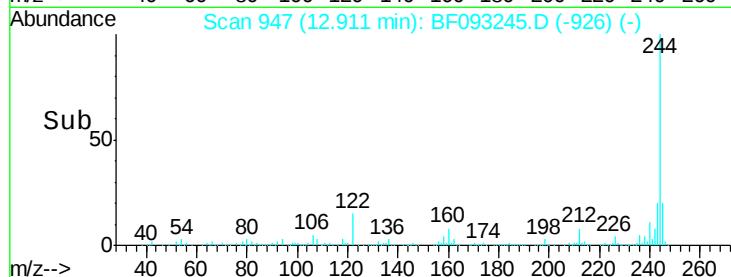
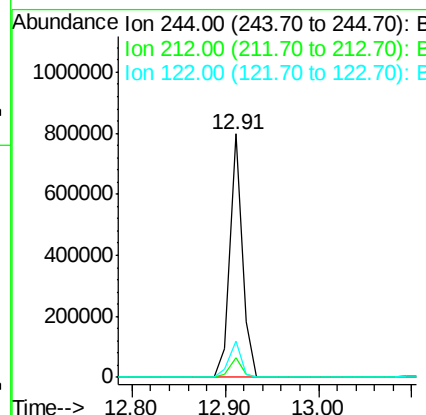
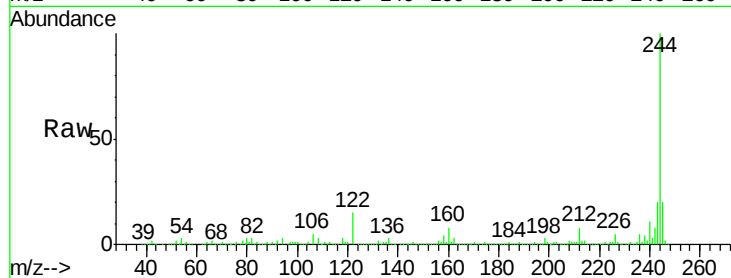




#78
 Terphenyl-d14
 Concen: 62.41 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.06 min
 Lab File: BF093245.D
 Acq: 28 Feb 2017 13:41

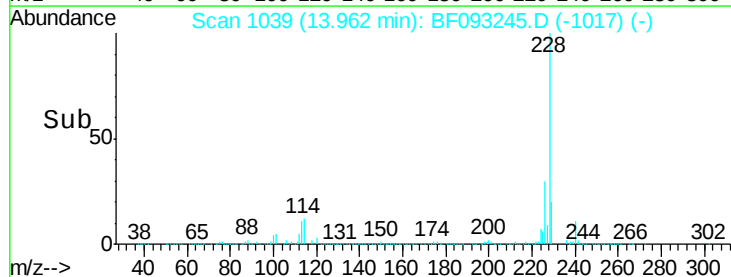
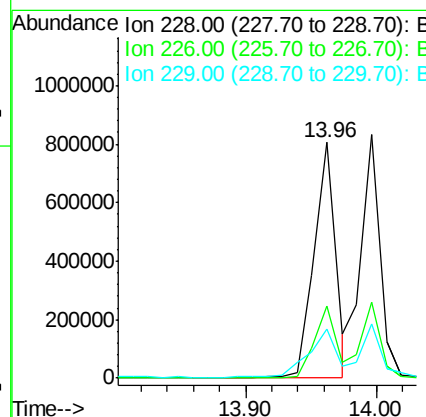
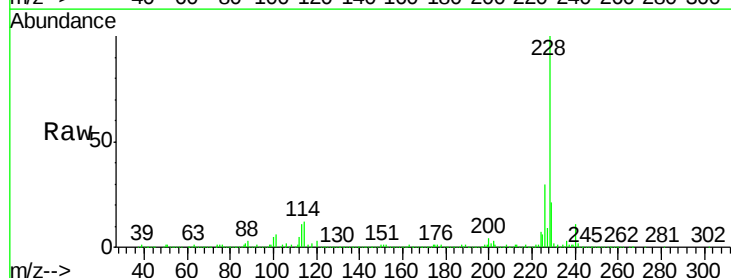
Instrument :
 BNA_F
 ClientSampleId :

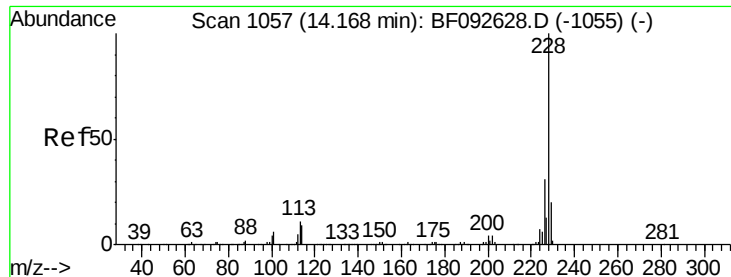
Tot Ion:244 Resp: 742446
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 14.8 11.4 17.2



#80
 Benzo(a)anthracene
 Concen: 53.51 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. -0.05 min
 Lab File: BF093245.D
 Acq: 28 Feb 2017 13:41

Tgt Ion:228 Resp: 914756
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.4 33.6
 229 20.8 16.2 24.4





#82

Chrysene

Concen: 41.23 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.05 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

Instrument :

BNA_F

ClientSampled :

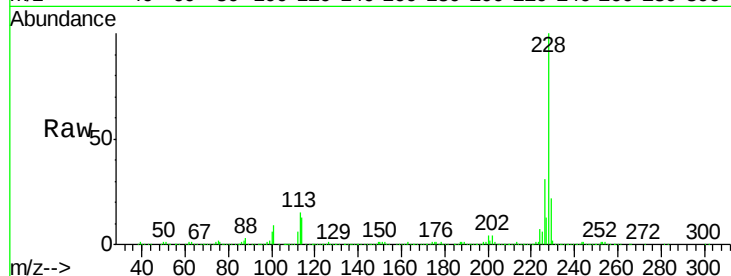
Tot Ion:228 Resp: 659927

Ion Ratio Lower Upper

228 100

226 31.4 25.4 38.0

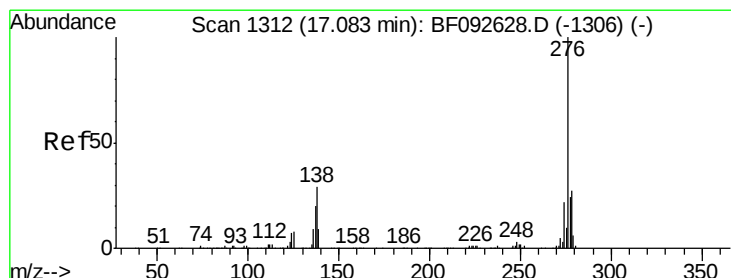
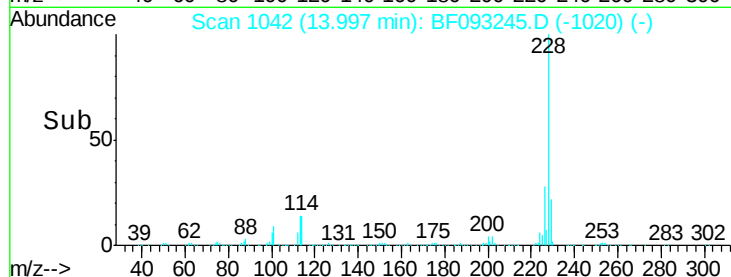
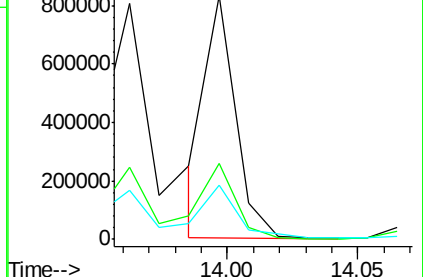
229 22.1 16.2 24.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 45.08 ng

RT: 16.79 min Scan# 1286

Delta R.T. -0.07 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

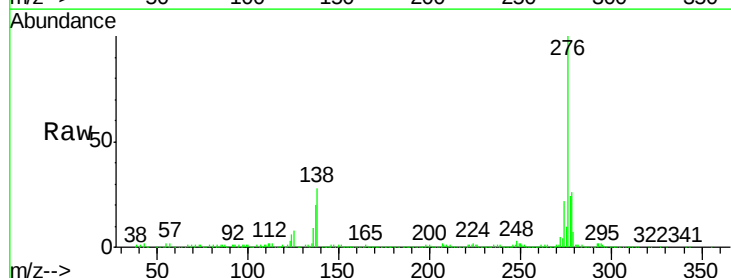
Tgt Ion:276 Resp: 558918

Ion Ratio Lower Upper

276 100

138 28.1 21.8 32.6

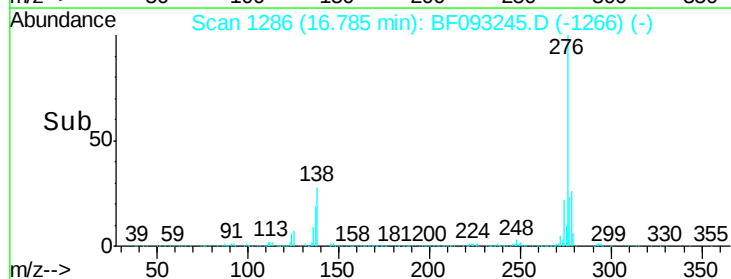
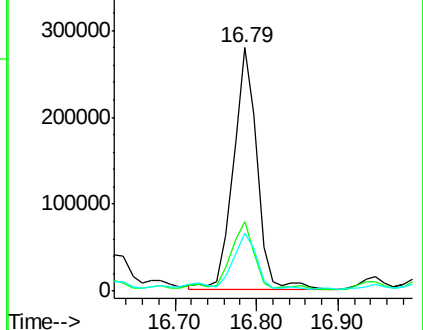
277 21.4 20.2 30.4

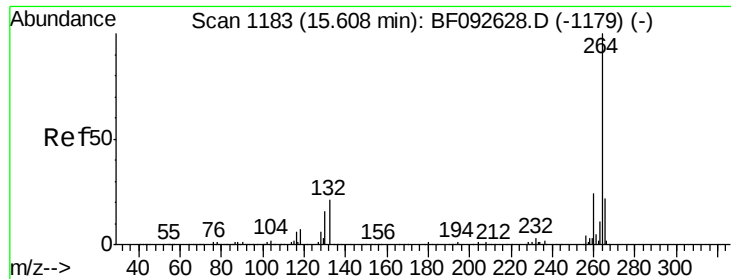


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



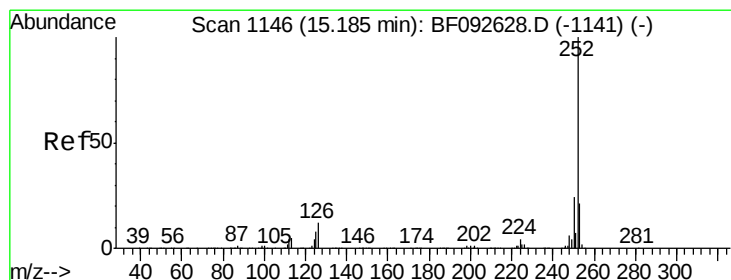
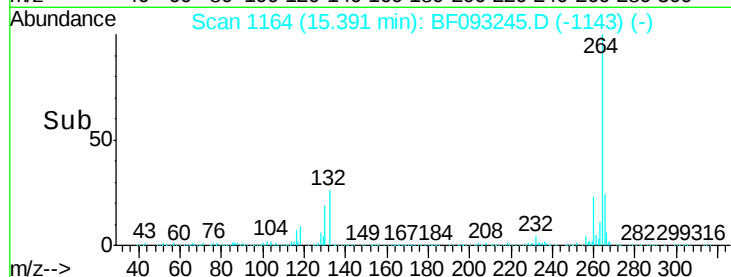
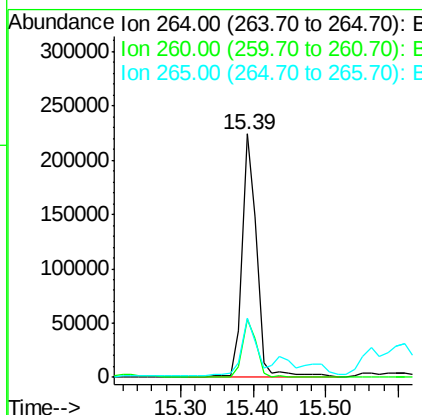
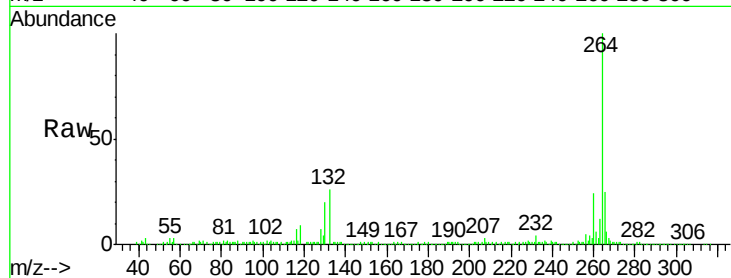


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093245.D
Acq: 28 Feb 2017 13:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 308836

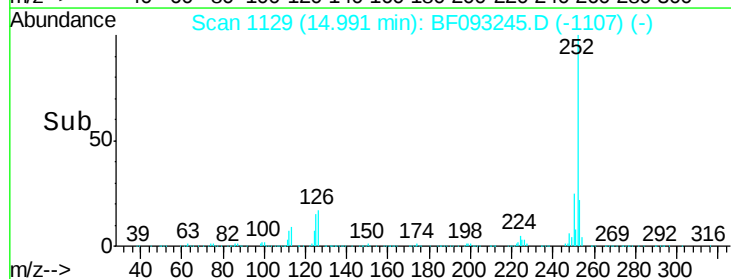
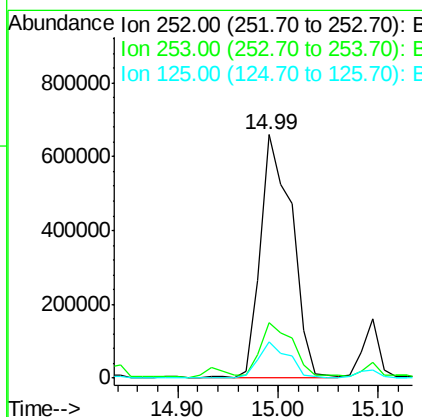
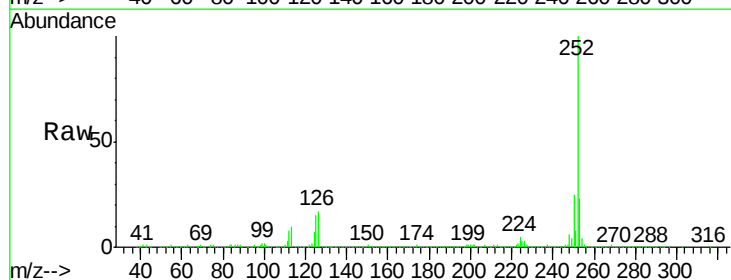
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	24.5	17.4	26.0

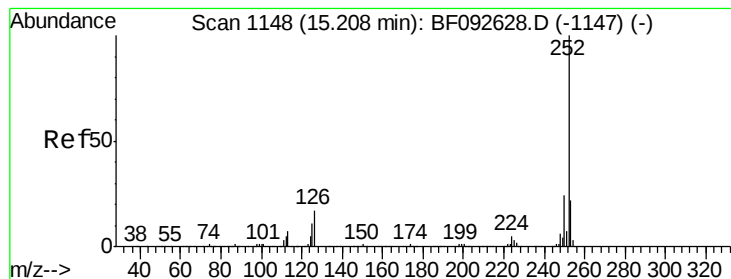


#87
Benzo(b)fluoranthene
Concen: 70.22 ng
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093245.D
Acq: 28 Feb 2017 13:41

Tgt Ion:252 Resp: 1427324

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	14.8	9.8	14.6#





#88

Benzo(k)fluoranthene

Concen: 9.98 ng

RT: 15.09 min Scan# 1138

Delta R.T. 0.02 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

Instrument :

BNA_F

ClientSampleId :

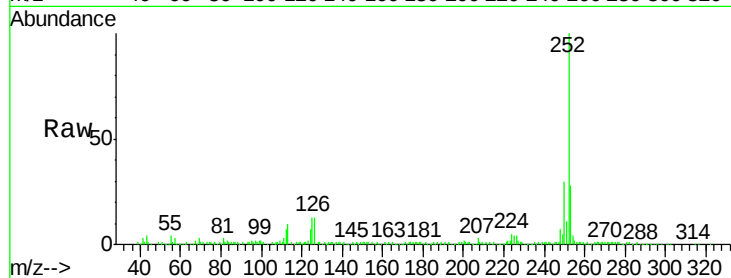
Tot Ion:252 Resp: 175228

Ion Ratio Lower Upper

252 100

253 27.7 18.5 27.7

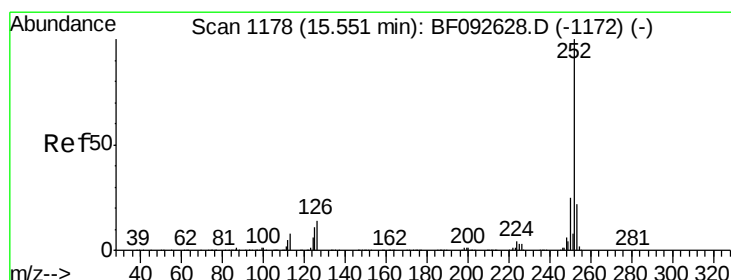
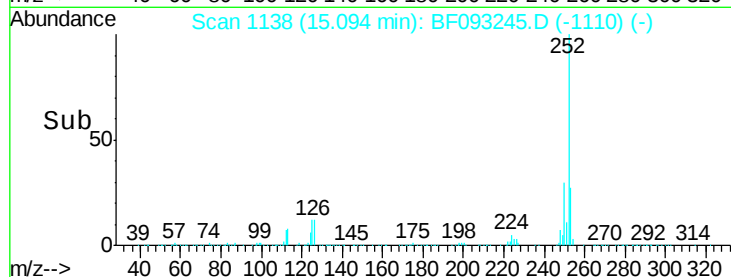
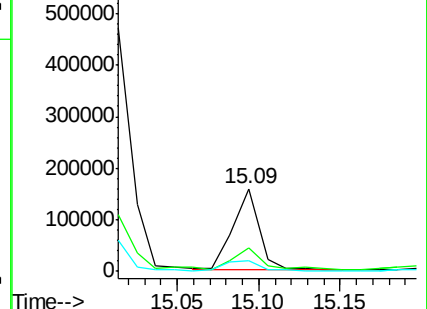
125 12.7 8.9 13.3



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: 45.54 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BF093245.D

Acq: 28 Feb 2017 13:41

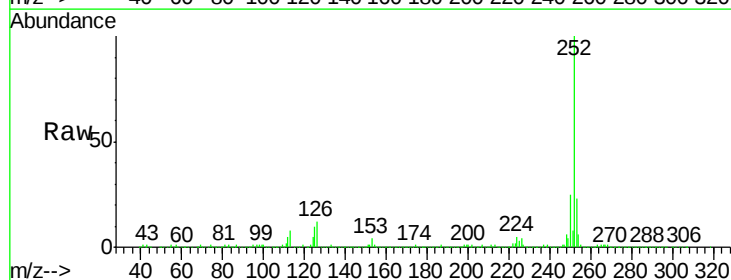
Tgt Ion:252 Resp: 800680

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

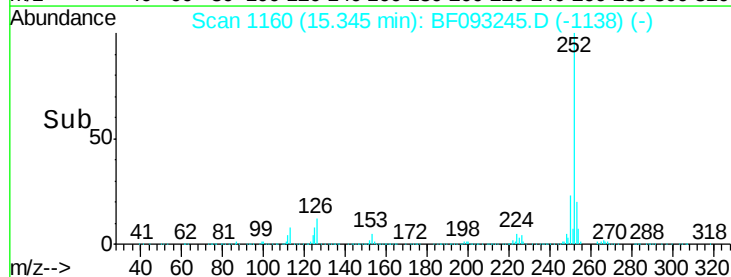
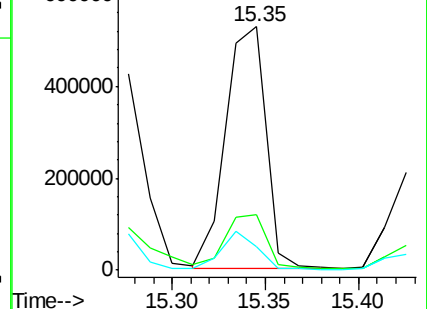
125 9.7 10.0 15.0#

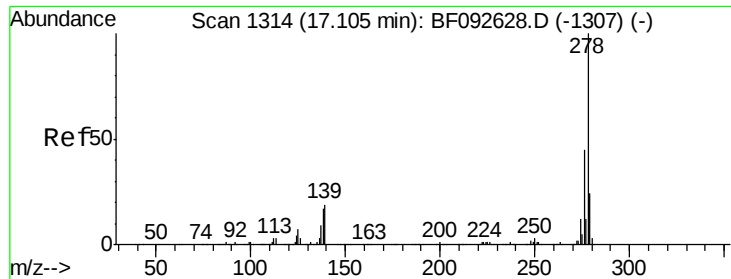


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

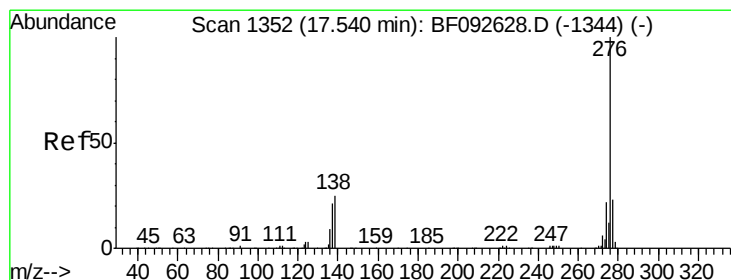
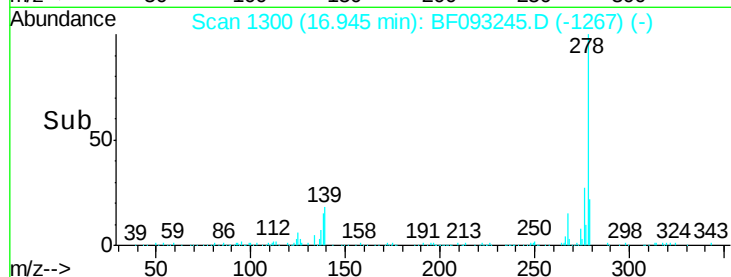
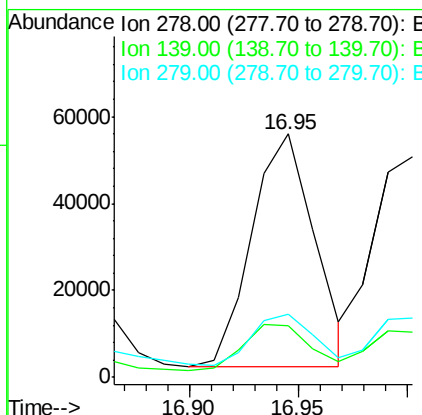
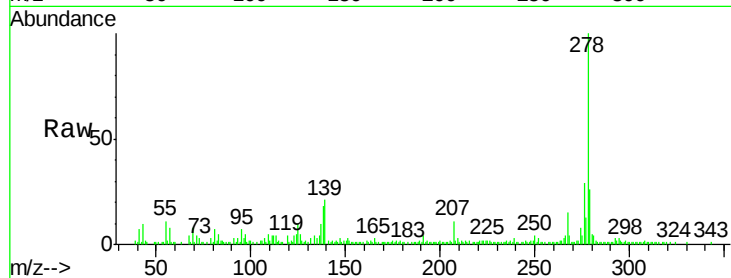




#90
 Dibenzo(a,h)anthracene
 Concen: 7.59 ng
 RT: 16.95 min Scan# 1300
 Delta R.T. 0.08 min
 Lab File: BF093245.D
 Acq: 28 Feb 2017 13:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:278 Resp: 107800
 Ion Ratio Lower Upper
 278 100
 139 21.3 14.8 22.2
 279 25.9 19.8 29.6



#91
 Benzo(g,h,i)perylene
 Concen: 33.11 ng
 RT: 17.21 min Scan# 1323
 Delta R.T. -0.08 min
 Lab File: BF093245.D
 Acq: 28 Feb 2017 13:41

Tgt Ion:276 Resp: 475307
 Ion Ratio Lower Upper
 276 100
 277 25.3 19.2 28.8
 138 30.6 16.0 24.0#

