

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
 Data File : BF094108.D
 Acq On : 31 Mar 2017 20:48
 Operator : SJ/MA
 Sample : I2463-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S-R-11-12-BASE

Quant Time: Mar 31 23:10:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

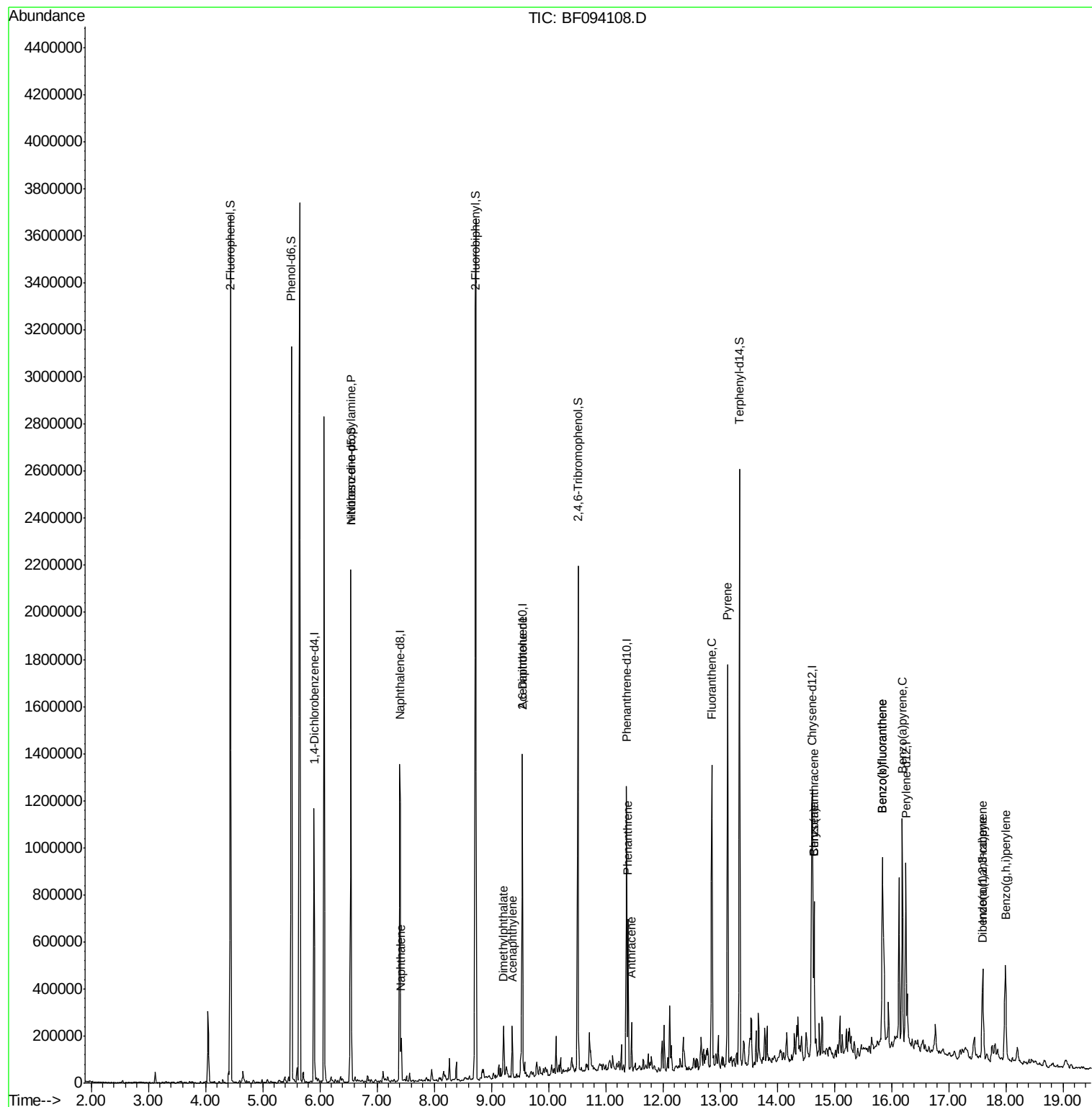
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.90	152	177715	20.00	ng	0.00
21) Naphthalene-d8	7.40	136	710011	20.00	ng	-0.01
38) Acenaphthene-d10	9.54	164	305863	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	502890	20.00	ng	-0.01
75) Chrysene-d12	14.62	240	327990	20.00	ng	0.00
86) Perylene-d12	16.25	264	302492	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.44	112	1126237	107.04	ng	0.00
7) Phenol-d6	5.50	99	1447171	111.18	ng	0.00
23) Nitrobenzene-d5	6.55	82	881167	70.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	276360	114.34	ng	0.00
44) 2-Fluorobiphenyl	8.73	172	1380861	68.86	ng	0.00
78) Terphenyl-d14	13.34	244	859855	58.76	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.55	70	116769	13.96	ng	# 79
31) Naphthalene	7.43	128	88083	2.58	ng	99
48) Acenaphthylene	9.36	152	103190	3.22	ng	98
49) Dimethylphthalate	9.22	163	93179	4.29	ng	100
50) 2,6-Dinitrotoluene	9.54	165	42202	8.47	ng	# 34
70) Phenanthrene	11.39	178	253635	9.07	ng	98
71) Anthracene	11.46	178	84783	2.94	ng	96
74) Fluoranthene	12.86	202	582161	20.32	ng	99
77) Pyrene	13.13	202	807382	33.92	ng	99
80) Benzo(a)anthracene	14.65	228	287614	15.04	ng	95
82) Chrysene	14.65	228	287614	16.20	ng	98
85) Indeno(1,2,3-cd)pyrene	17.60	276	237728	15.47	ng	95
87) Benzo(b)fluoranthene	15.84	252	580038	31.28	ng	# 96
88) Benzo(k)fluoranthene	15.84	252	580038	31.97	ng	97
89) Benzo(a)pyrene	16.19	252	364746	21.36	ng	99
90) Dibenzo(a,h)anthracene	17.61	278	49585	3.43	ng	97
91) Benzo(a,h,i)perylene	18.00	276	289735	19.88	ng	97

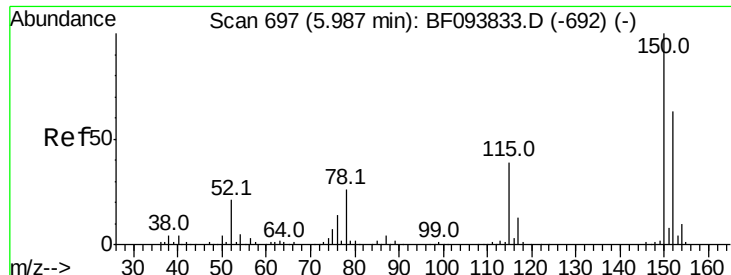
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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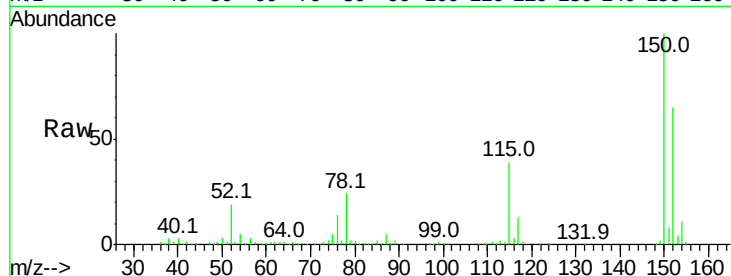


#1

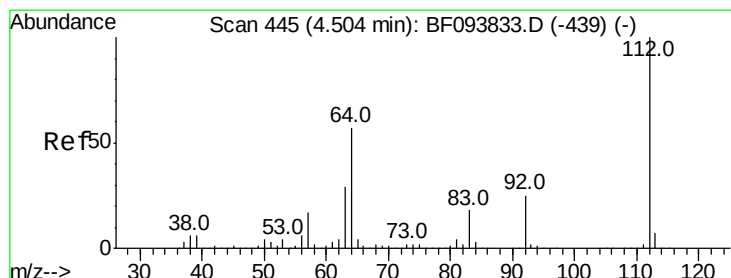
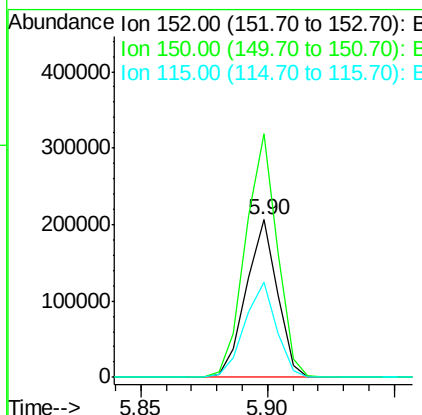
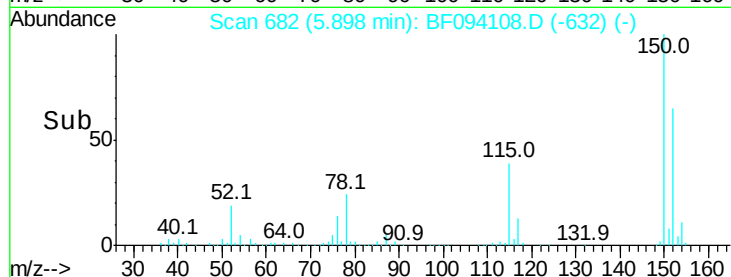
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.90 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

Tot Ion:152 Resp: 177715
Ion Ratio Lower Upper
152 100
150 154.7 126.2 189.2
115 60.1 52.2 78.2



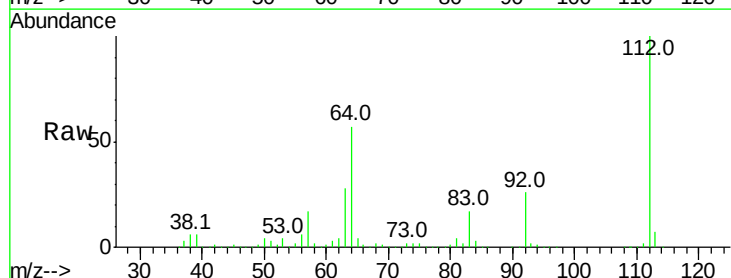
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



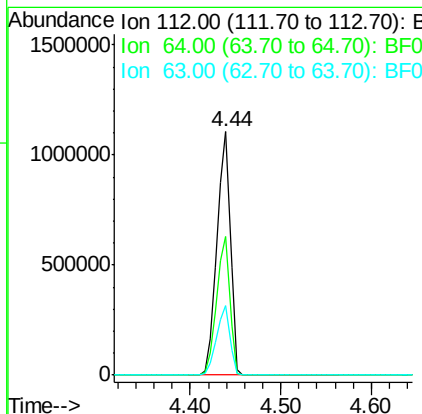
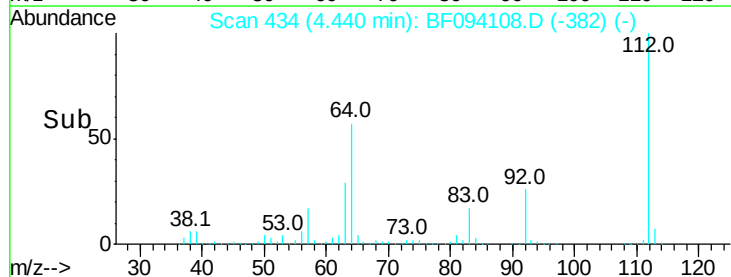
#5

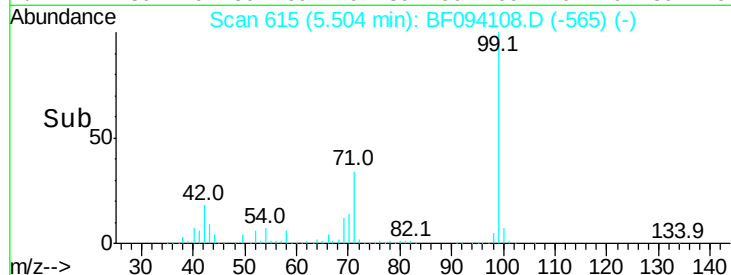
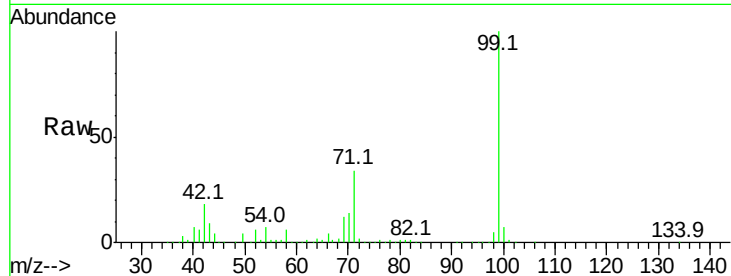
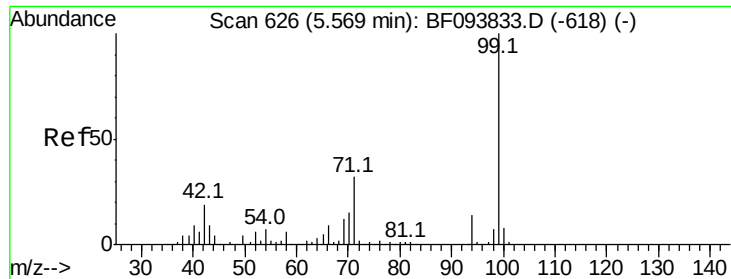
2-Fluorophenol
Concen: 107.04 ng
RT: 4.44 min Scan# 434
Delta R.T. 0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Tgt Ion:112 Resp: 1126237
Ion Ratio Lower Upper
112 100
64 57.2 46.0 69.0
63 28.5 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: 111.18 ng

RT: 5.50 min Scan# 615

Delta R.T. -0.01 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Instrument :

BNA_F

ClientSampleId :

E2-S-R-11-12-BASE

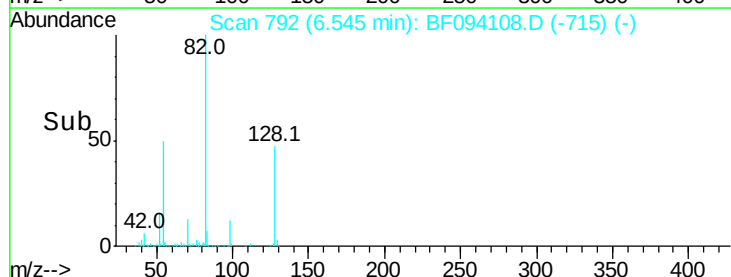
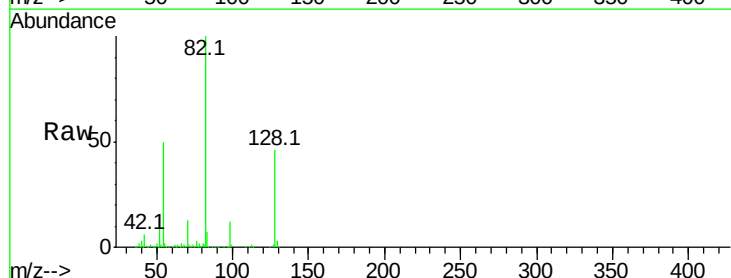
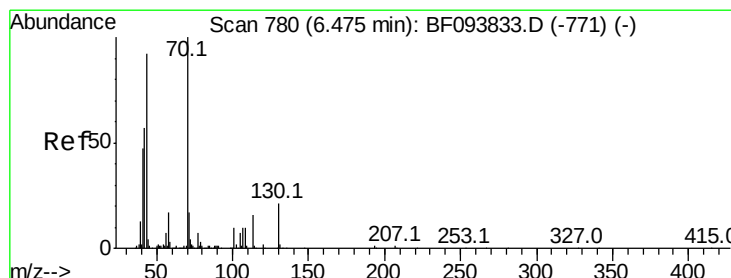
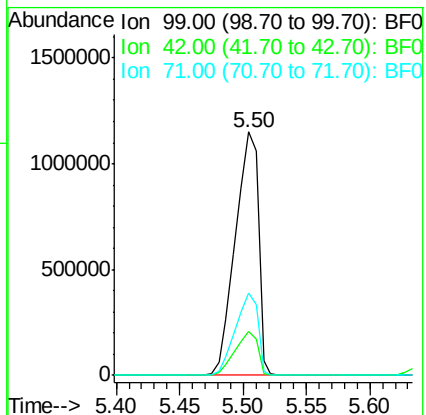
Tot Ion: 99 Resp: 1447171

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

71 34.0 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.96 ng

RT: 6.55 min Scan# 792

Delta R.T. 0.15 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Tgt Ion: 70 Resp: 116769

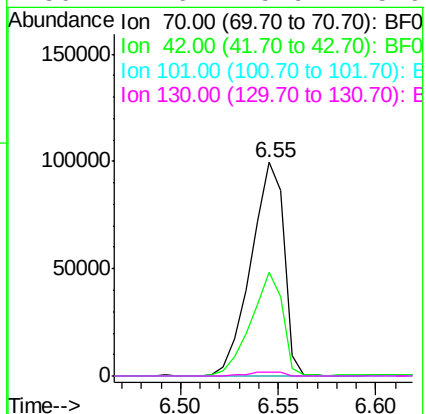
Ion Ratio Lower Upper

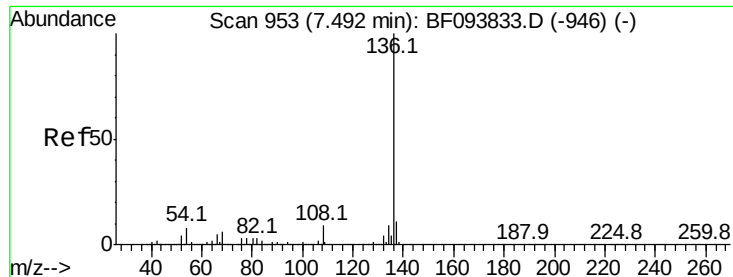
70 100

42 48.4 47.2 70.8

101 0.0 7.2 10.8#

130 1.6 15.9 23.9#

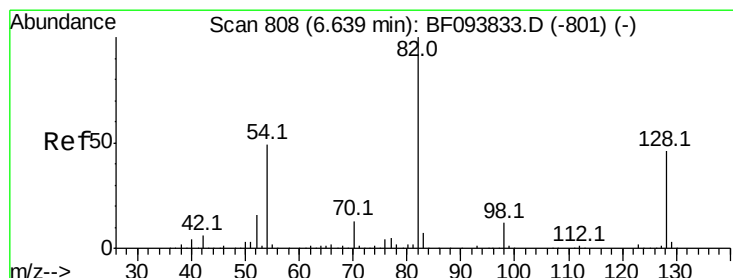
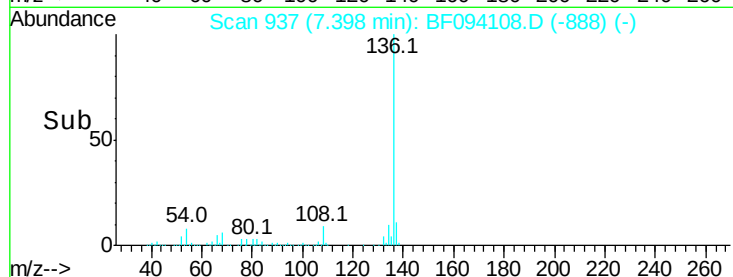
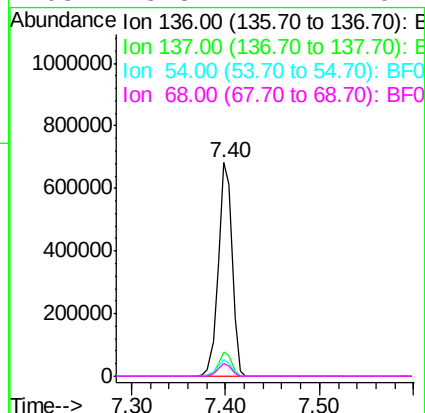
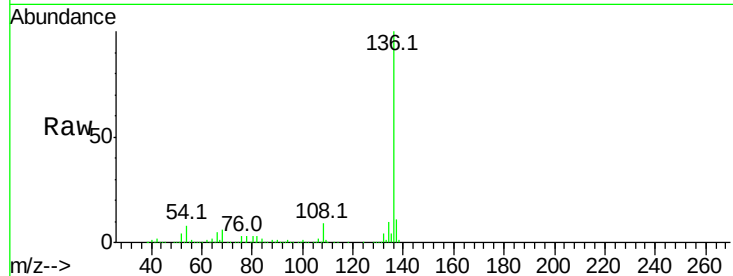




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

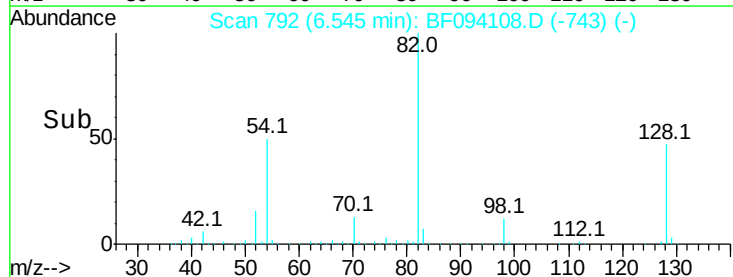
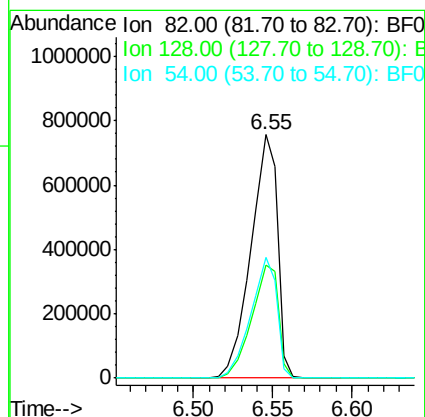
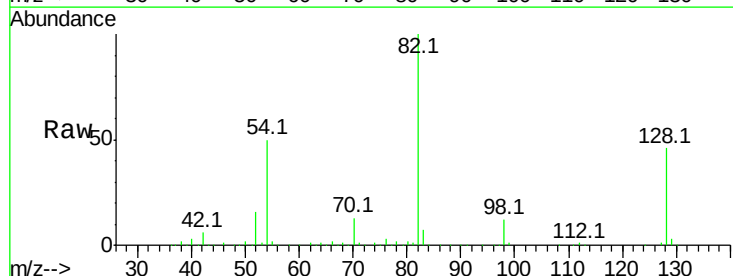
Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

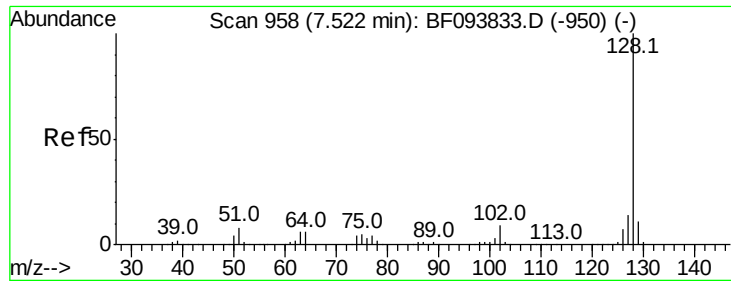
Tot Ion:	136	Resp:	710011
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	7.6	4.9	7.3#
68	5.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 70.83 ng
RT: 6.55 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Tgt Ion:	82	Resp:	881167
Ion	Ratio	Lower	Upper
82	100		
128	46.5	34.0	51.0
54	49.8	42.2	63.2

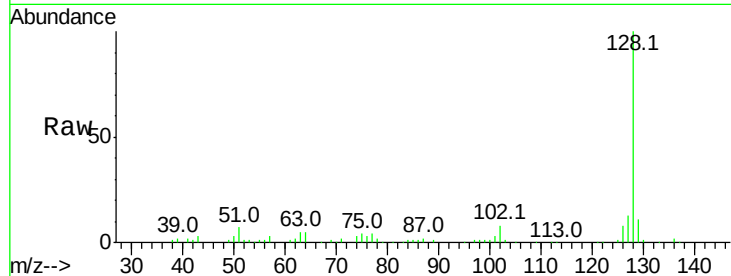




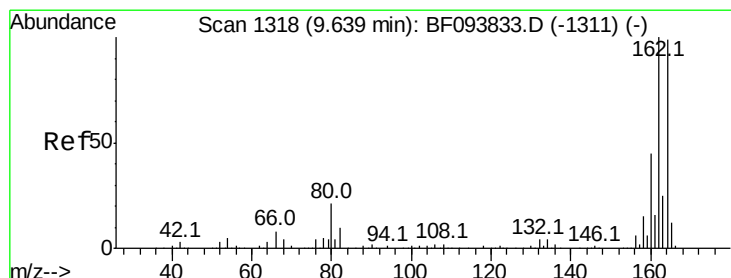
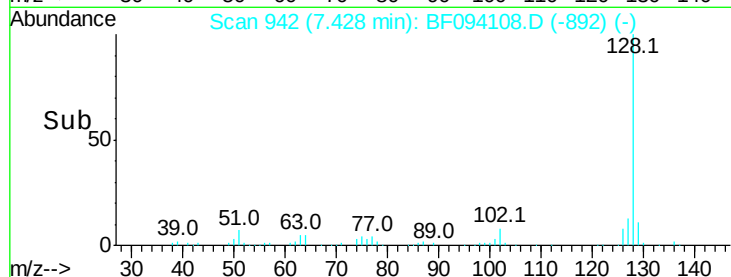
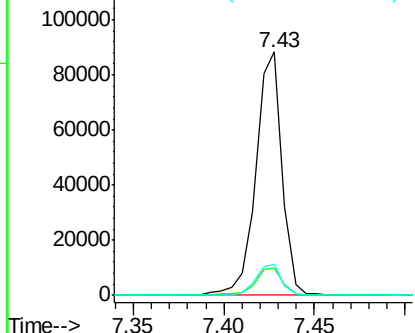
#31
Naphthalene
Concen: 2.58 ng
RT: 7.43 min Scan# 942
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

Tot Ion:128 Resp: 88083
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 12.7 10.8 16.2

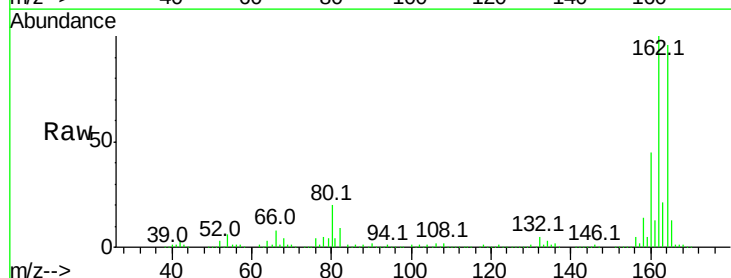


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

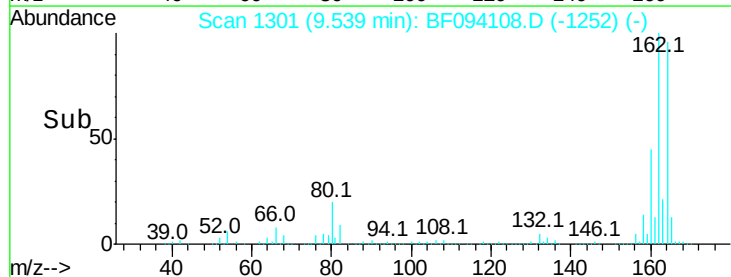
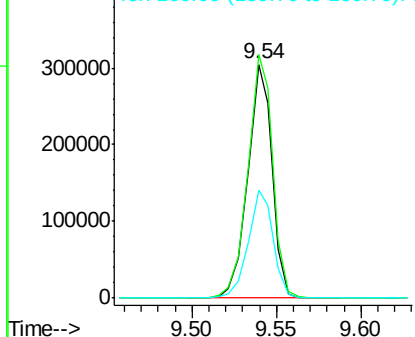


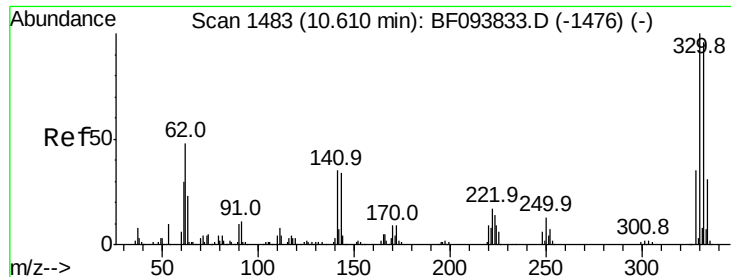
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.54 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Tgt Ion:164 Resp: 305863
Ion Ratio Lower Upper
164 100
162 104.2 82.6 123.8
160 46.4 36.2 54.2



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





#41

2,4,6-Tribromophenol

Concen: 114.34 ng

RT: 10.52 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Instrument :

BNA_F

ClientSampleId :

E2-S-R-11-12-BASE

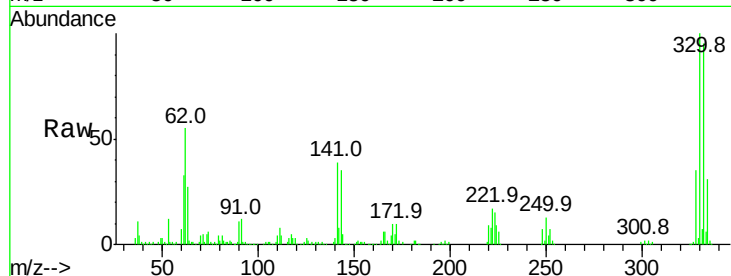
Tot Ion:330 Resp: 276360

Ion Ratio Lower Upper

330 100

332 96.0 76.6 115.0

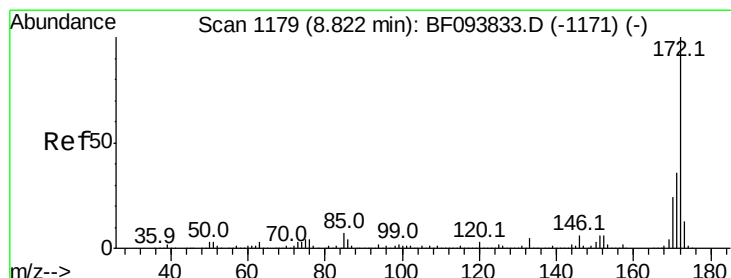
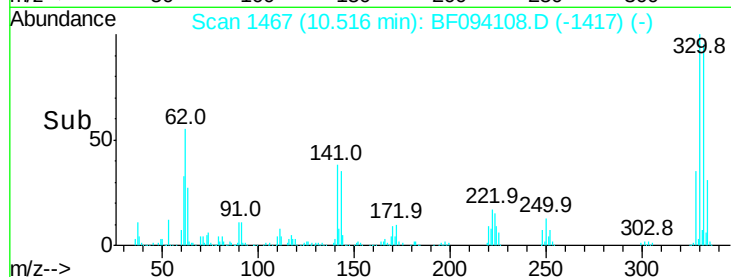
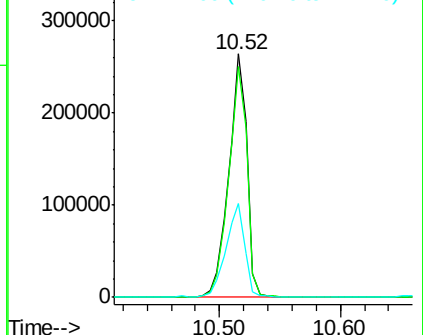
141 38.5 31.4 47.2



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: 68.86 ng

RT: 8.73 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

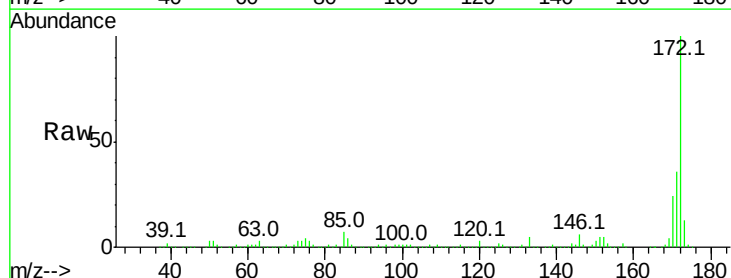
Tgt Ion:172 Resp: 1380861

Ion Ratio Lower Upper

172 100

171 35.7 29.6 44.4

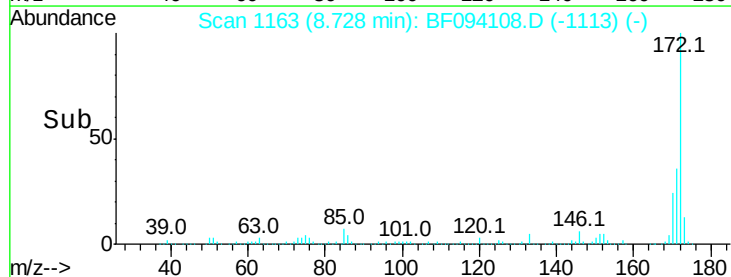
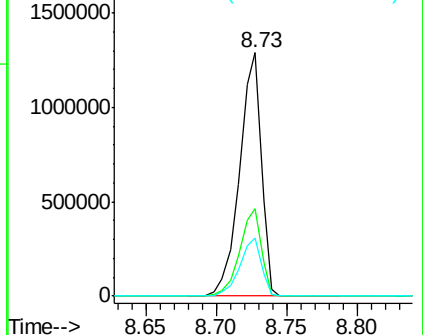
170 23.6 19.8 29.8

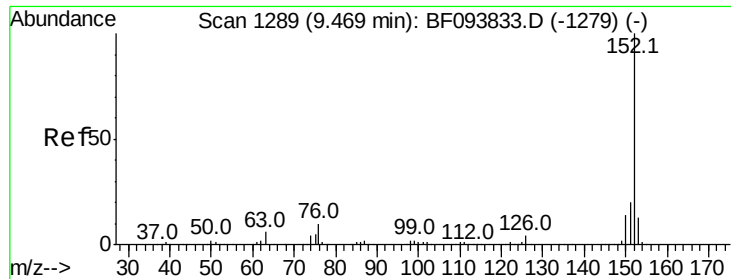


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 3.22 ng

RT: 9.36 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Instrument :

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E2-S-R-11-12-BASE

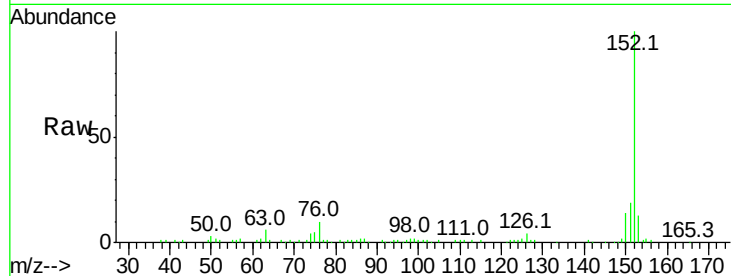
Tot Ion:152 Resp: 103190

Ion Ratio Lower Upper

152 100

151 19.3 16.8 25.2

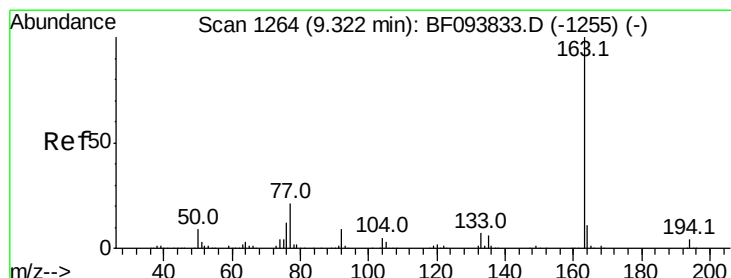
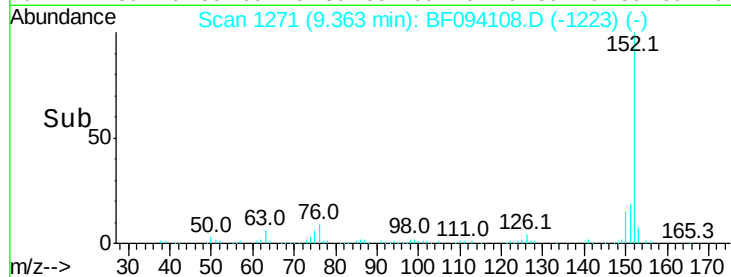
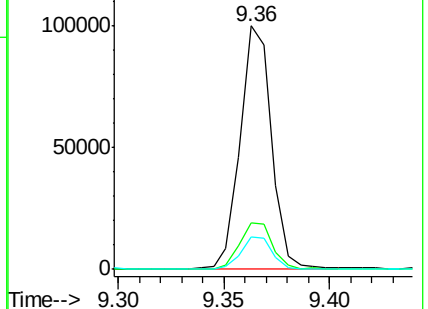
153 13.3 10.8 16.2



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: 4.29 ng

RT: 9.22 min Scan# 1246

Delta R.T. -0.03 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

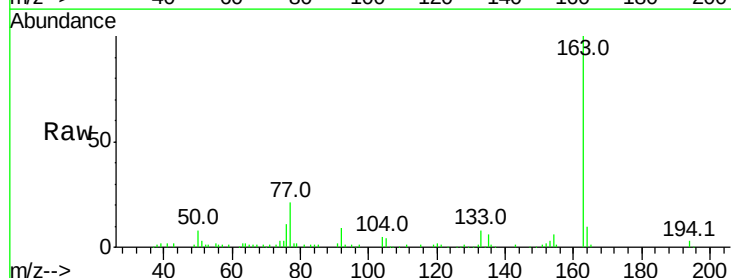
Tgt Ion:163 Resp: 93179

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

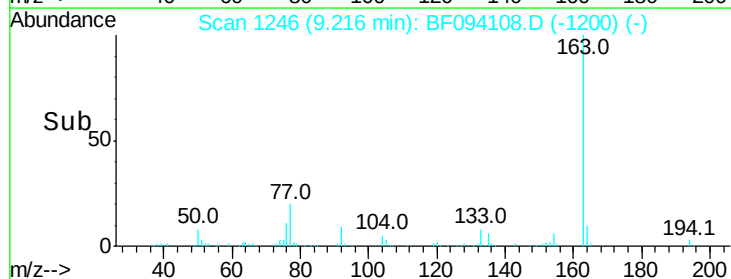
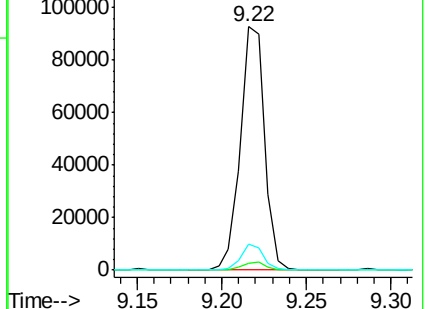
164 10.5 8.4 12.6

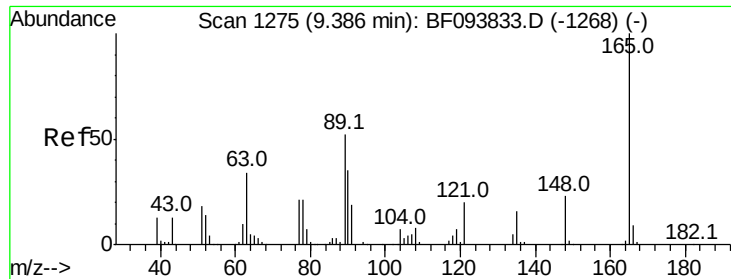


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

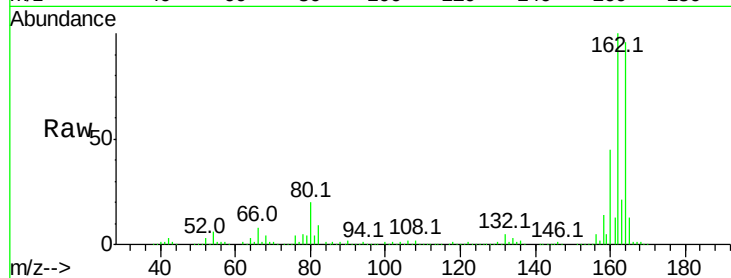




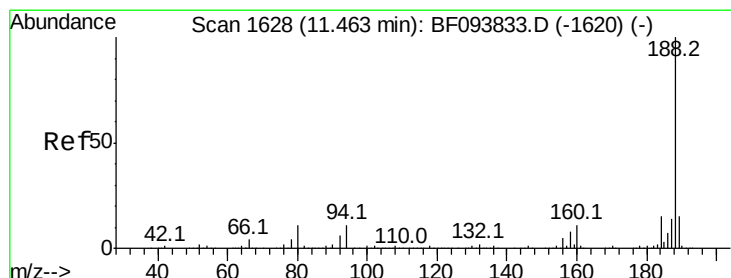
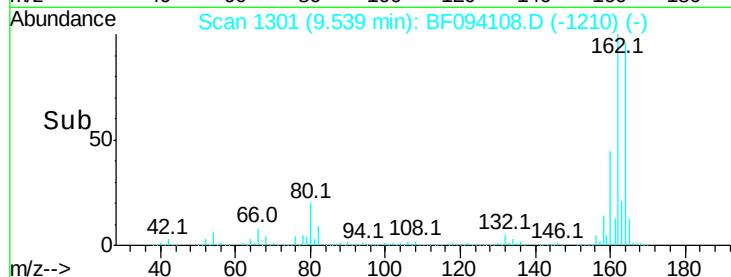
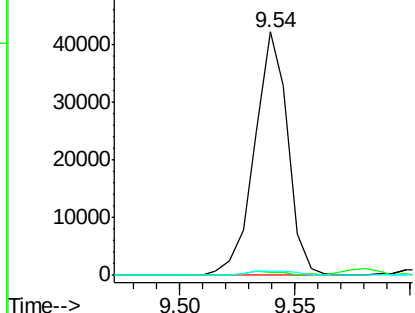
#50
 2,6-Dinitrotoluene
 Concen: 8.47 ng
 RT: 9.54 min Scan# 1301
 Delta R.T. 0.24 min
 Lab File: BF094108.D
 Acq: 31 Mar 2017 20:48

Instrument :
 BNA_F
 ClientSampleId :
 E2-S-R-11-12-BASE

Tot Ion:165 Resp: 42202
 Ion Ratio Lower Upper
 165 100
 63 1.1 34.3 51.5#
 89 1.6 37.1 55.7#

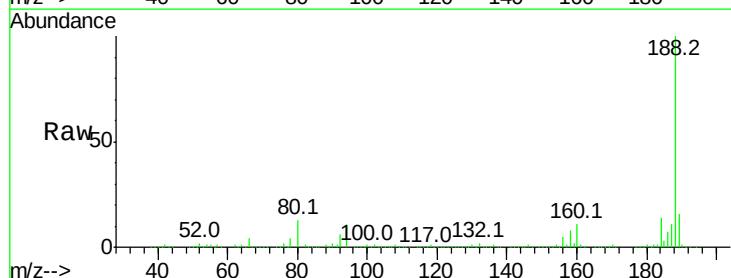


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

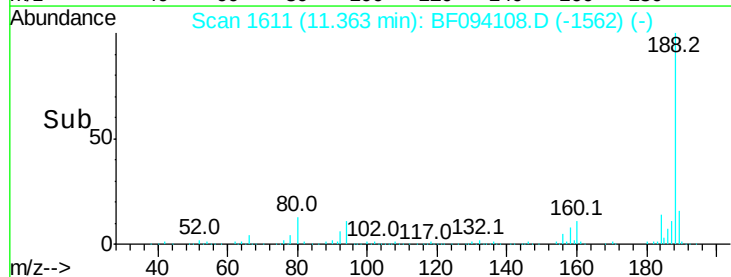
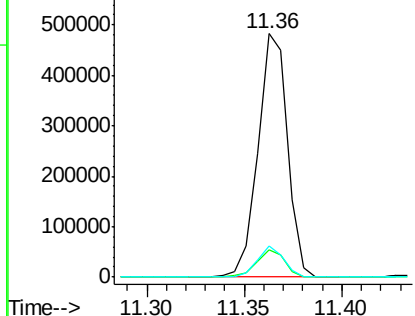


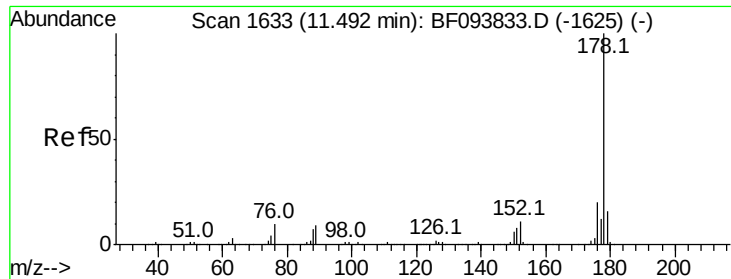
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF094108.D
 Acq: 31 Mar 2017 20:48

Tgt Ion:188 Resp: 502890
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.4 14.2
 80 12.7 10.2 15.2



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

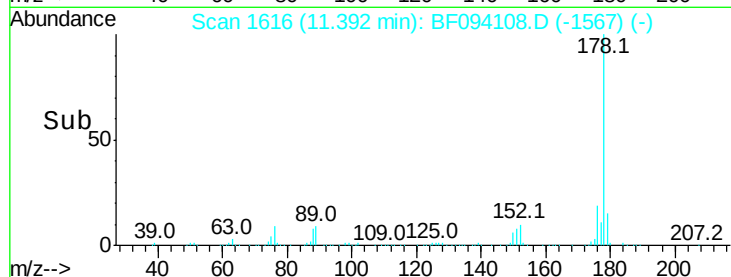
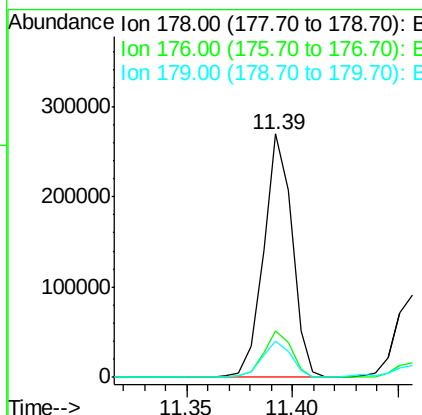
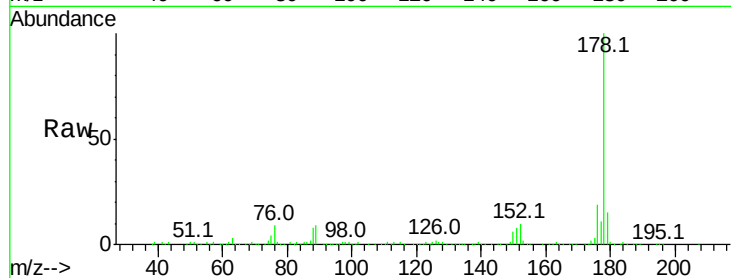




#70
Phenanthrene
Concen: 9.07 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

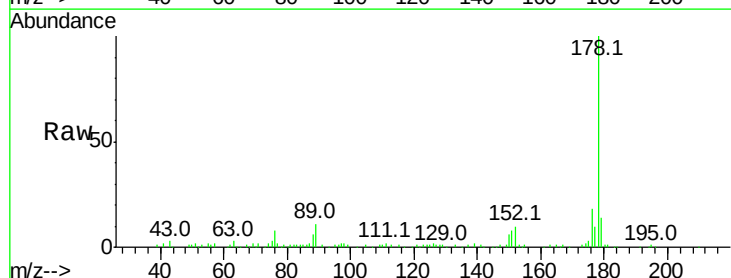
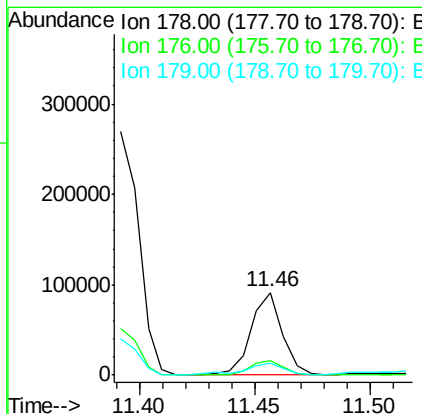
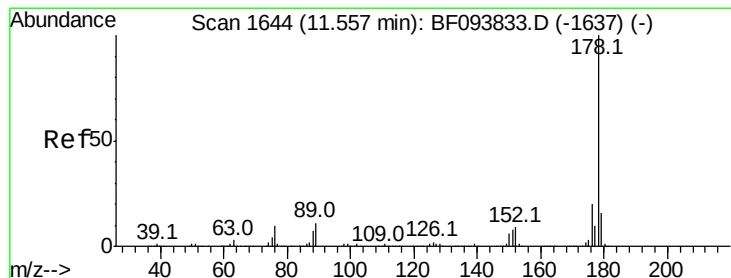
Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

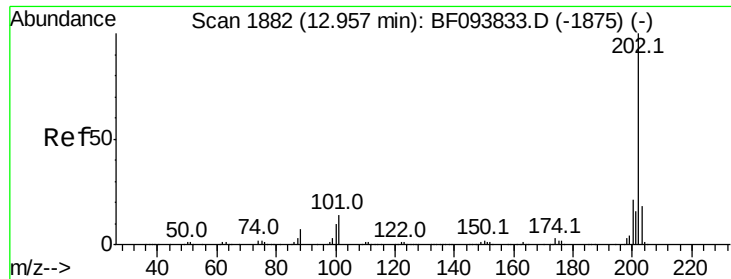
Tot Ion:178 Resp: 253635
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.0 12.6 19.0



#71
Anthracene
Concen: 2.94 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Tgt Ion:178 Resp: 84783
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 13.9 12.7 19.1

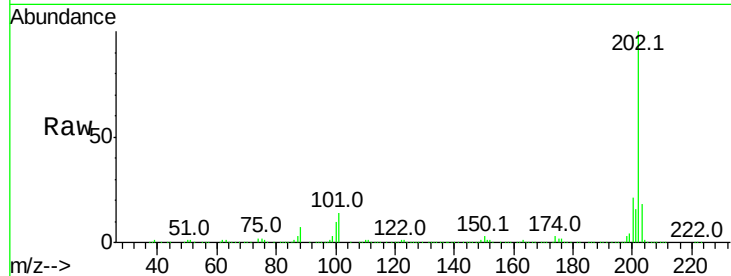




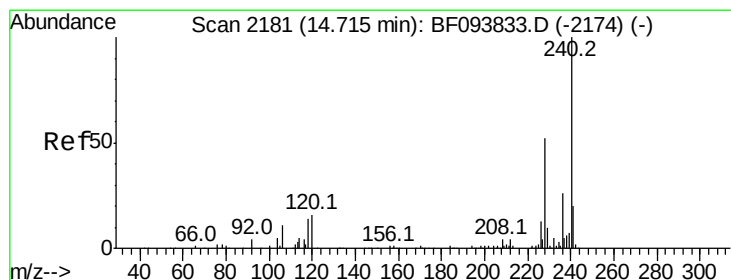
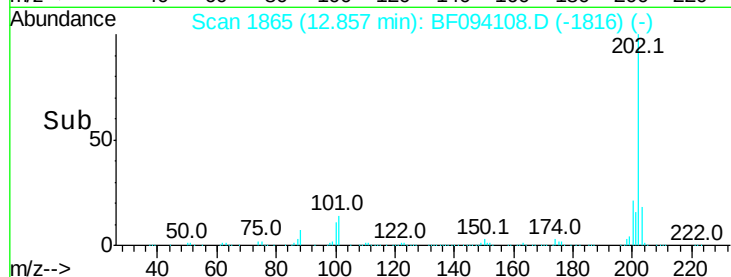
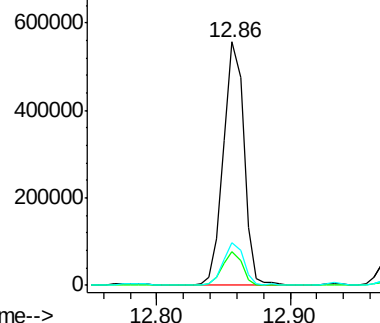
#74
Fluoranthene
Concen: 20.32 ng
RT: 12.86 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.6	0.0	38.1

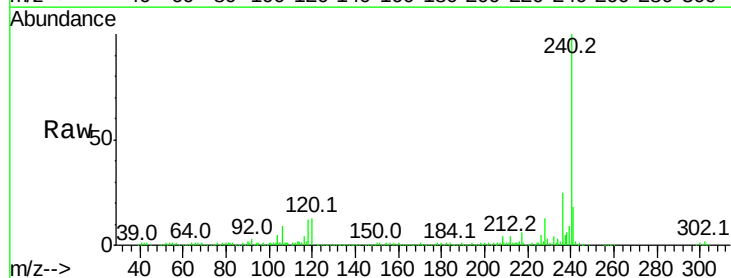


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

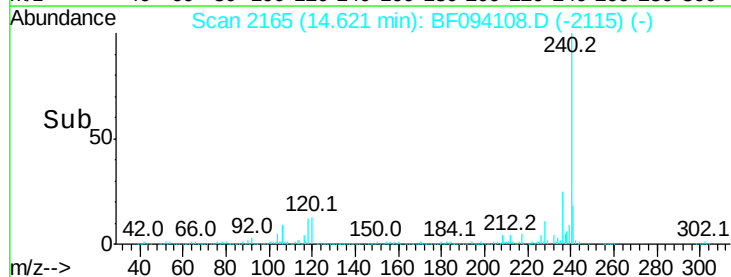
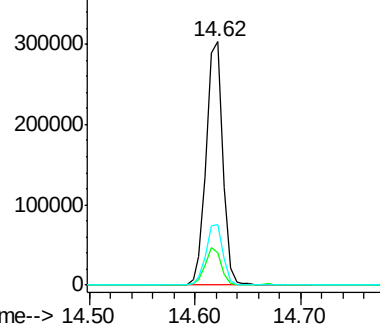


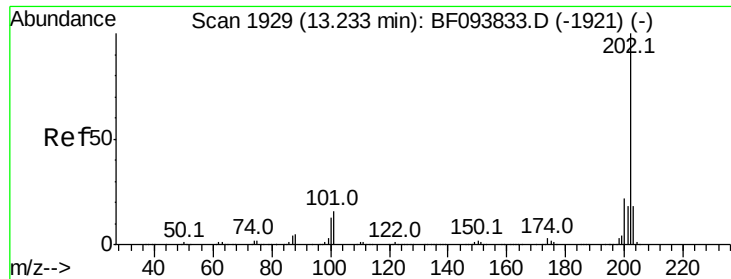
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.62 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.1	5.8	8.8#
236	25.1	20.5	30.7



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

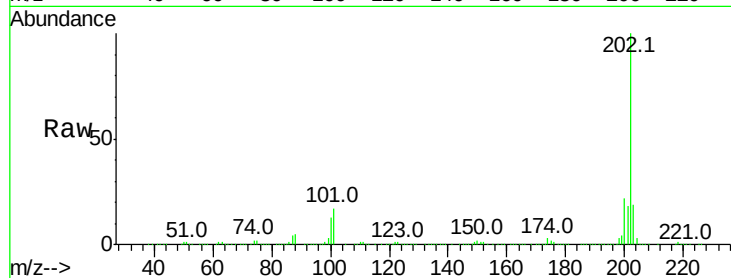




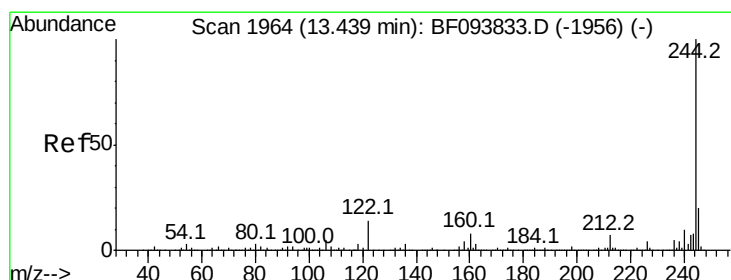
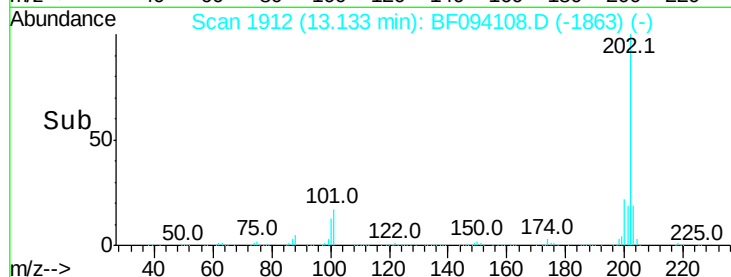
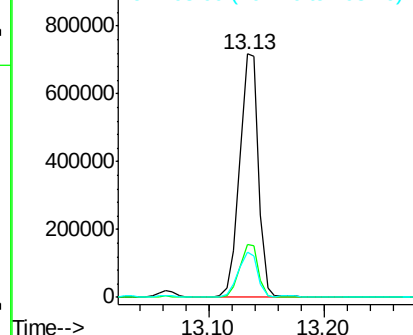
#77
Pvrene
Concen: 33.92 ng
RT: 13.13 min Scan# 1912
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

Tot Ion:202 Resp: 807382
Ion Ratio Lower Upper
202 100
200 21.8 17.6 26.4
203 18.7 14.4 21.6

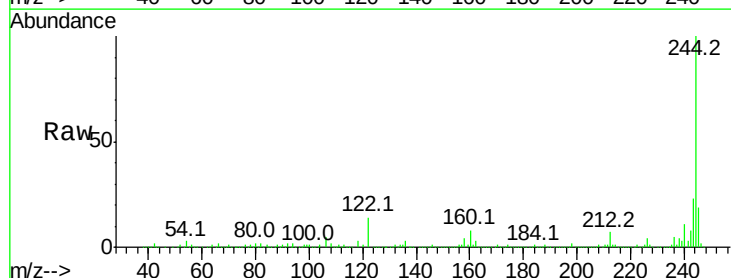


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

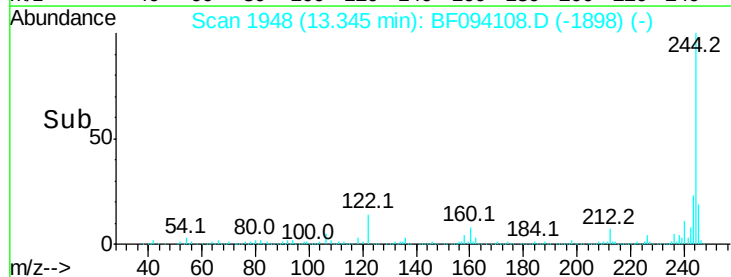
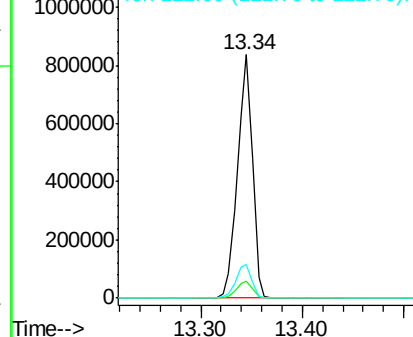


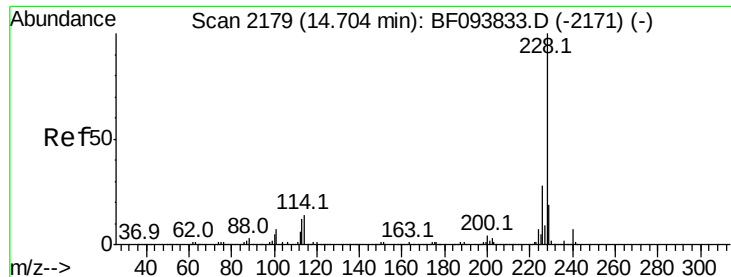
#78
Terphenyl-d14
Concen: 58.76 ng
RT: 13.34 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Tgt Ion:244 Resp: 859855
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 14.1 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





#80

Benzo(a)anthracene

Concen: 15.04 ng

RT: 14.65 min Scan# 2170

Delta R.T. 0.04 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Instrument :

BNA_F

ClientSampleId :

E2-S-R-11-12-BASE

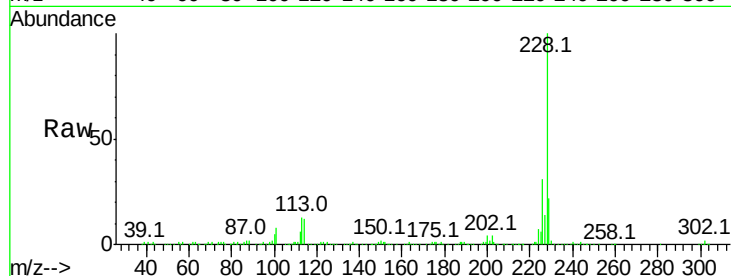
Tot Ion:228 Resp: 287614

Ion Ratio Lower Upper

228 100

226 31.4 22.6 33.8

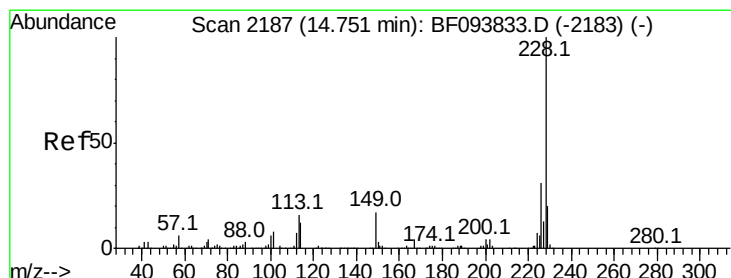
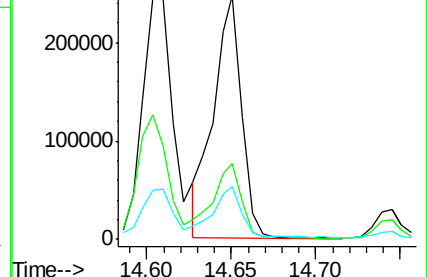
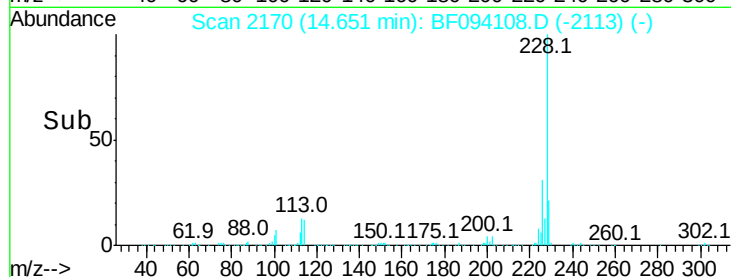
229 21.6 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 16.20 ng

RT: 14.65 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

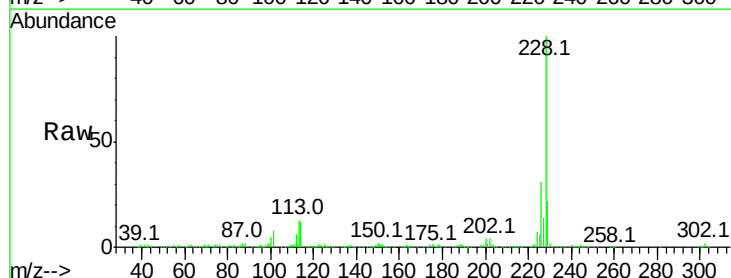
Tgt Ion:228 Resp: 287614

Ion Ratio Lower Upper

228 100

226 31.4 24.9 37.3

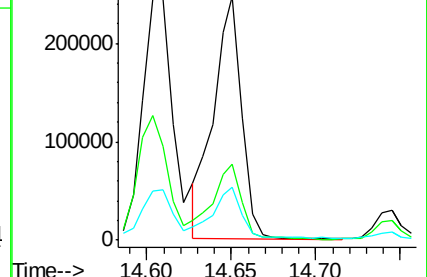
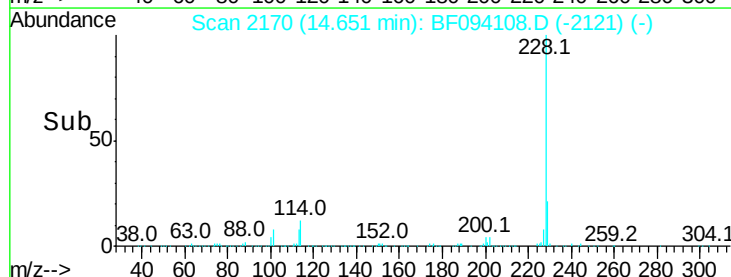
229 21.6 15.8 23.6

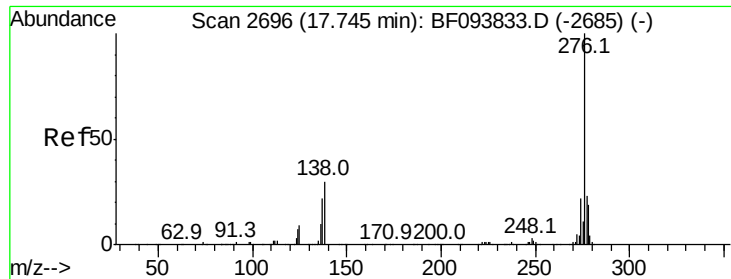


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.47 ng

RT: 17.60 min Scan# 2671

Delta R.T. -0.01 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Instrument :

BNA_F

ClientSampleId :

E2-S-R-11-12-BASE

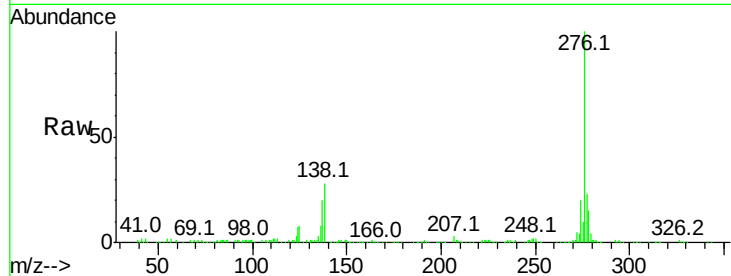
Tot Ion:276 Resp: 237728

Ion Ratio Lower Upper

276 100

138 29.9 27.8 41.6

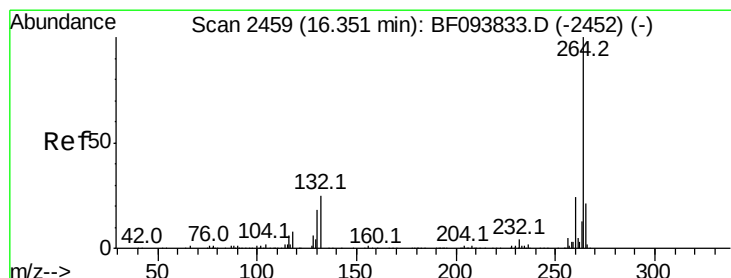
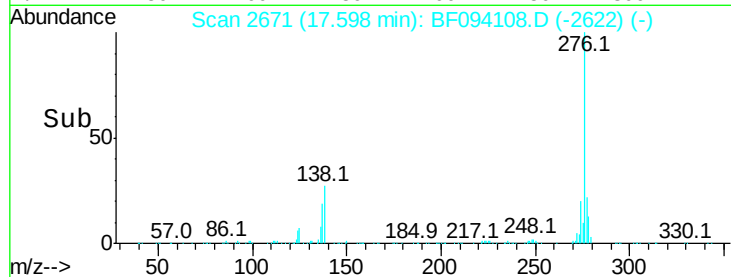
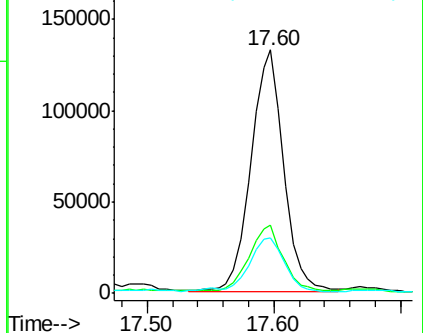
277 25.2 20.2 30.4



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

Perylene-d12

Concen: 20.00 ng

RT: 16.25 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

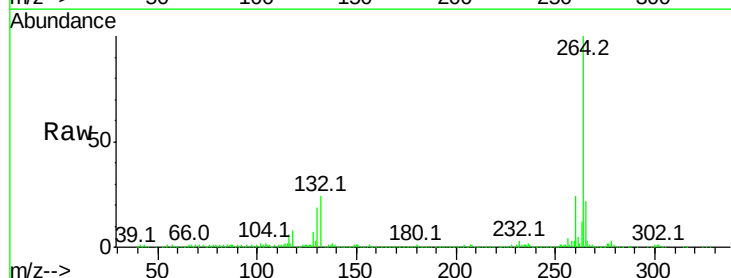
Tgt Ion:264 Resp: 302492

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

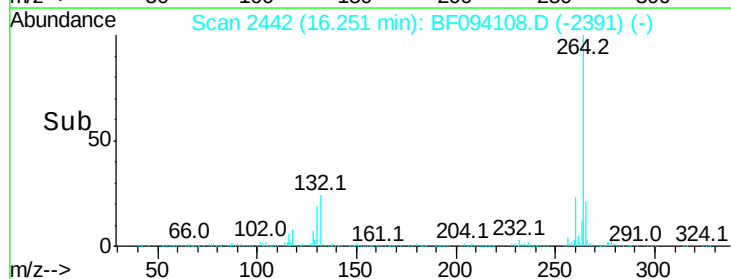
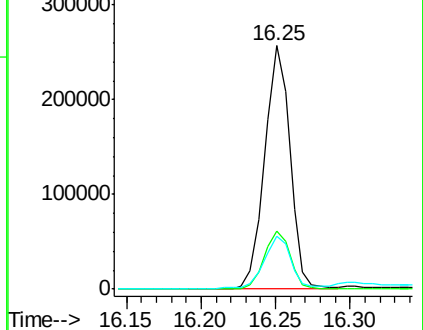
265 21.5 17.2 25.8

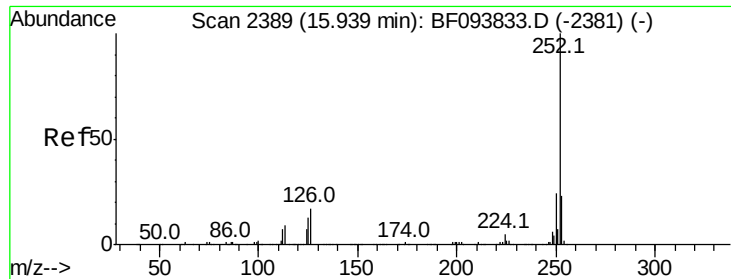


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 31.28 ng

RT: 15.84 min Scan# 2373

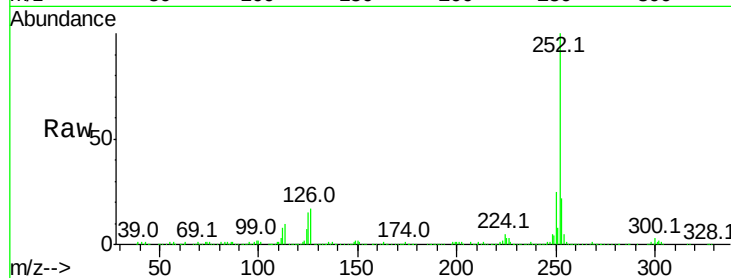
Delta R.T. -0.01 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	15.1	9.8	14.8#

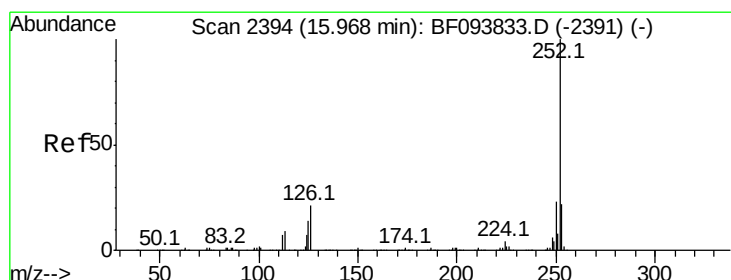
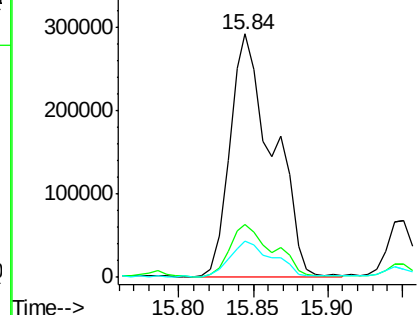
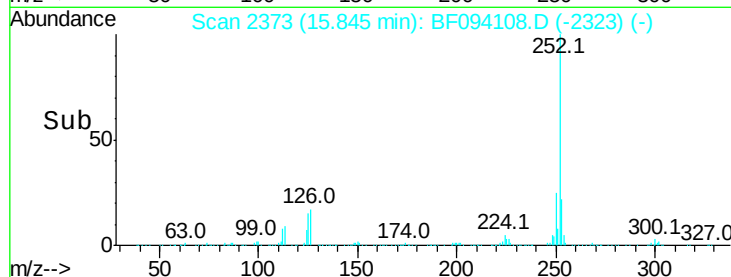


Abundance

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



#88

Benzo(k)fluoranthene

Concen: 31.97 ng

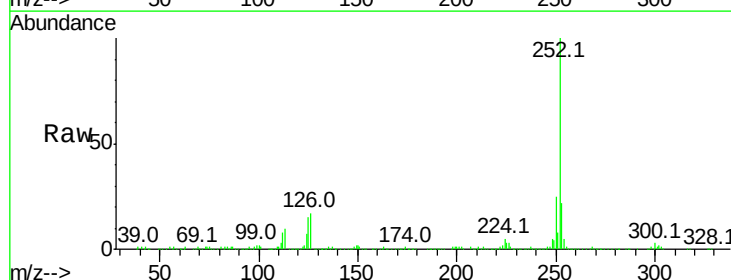
RT: 15.84 min Scan# 2373

Delta R.T. -0.04 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	15.1	13.1	19.7

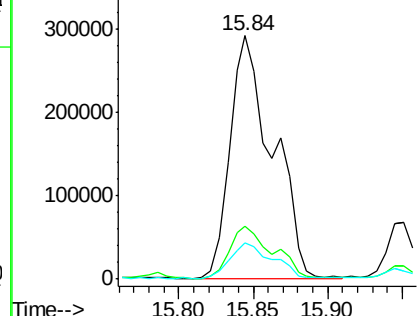
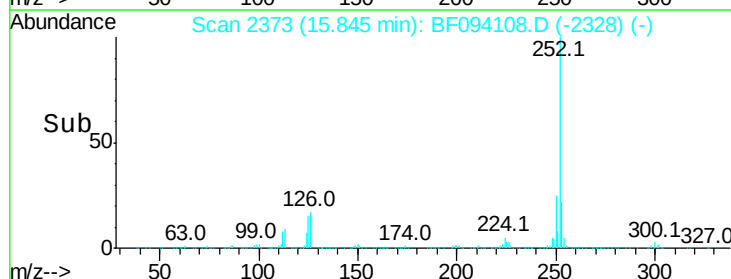


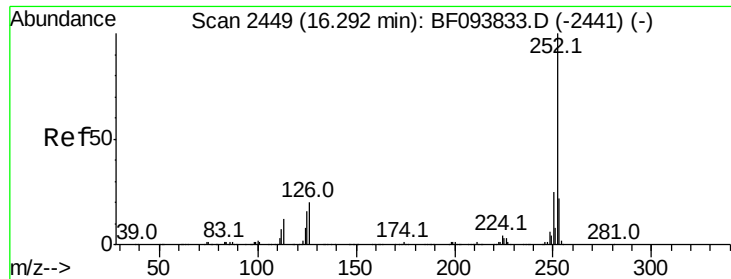
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 21.36 ng

RT: 16.19 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Instrument :

BNA_F

ClientSampleId :

E2-S-R-11-12-BASE

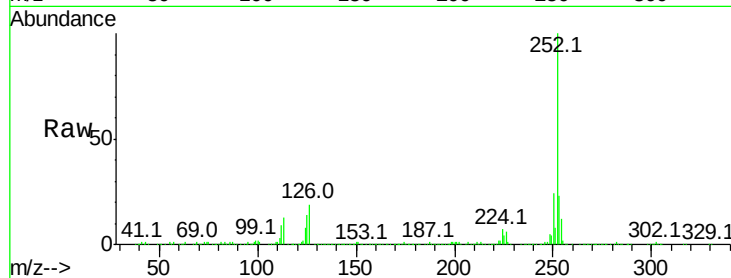
Tot Ion:252 Resp: 364746

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

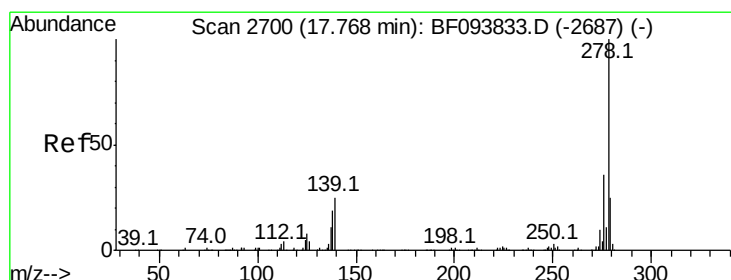
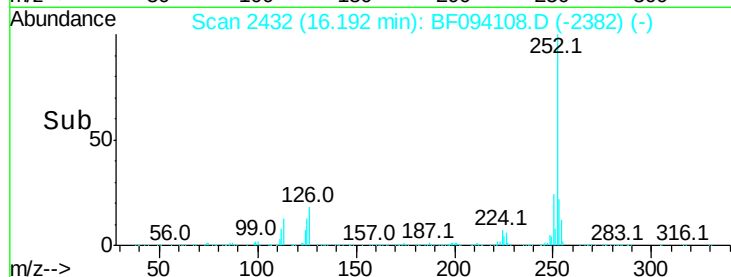
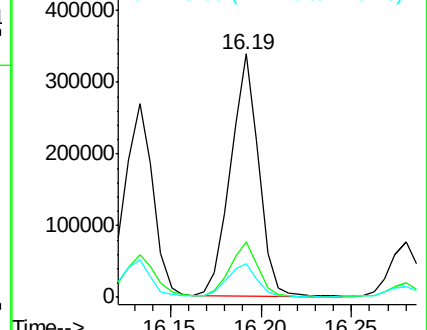
125 13.6 11.0 16.4



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



#90

Dibenzo(a,h)anthracene

Concen: 3.43 ng

RT: 17.61 min Scan# 2673

Delta R.T. -0.02 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

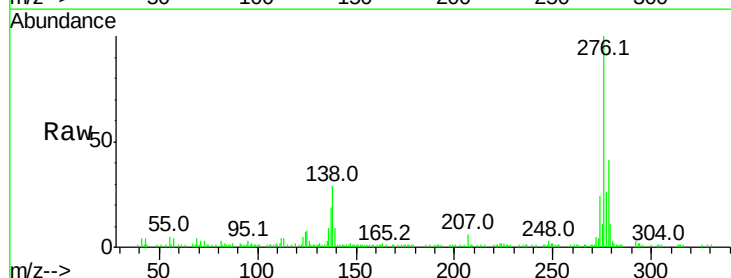
Tgt Ion:278 Resp: 49585

Ion Ratio Lower Upper

278 100

139 22.3 16.6 24.8

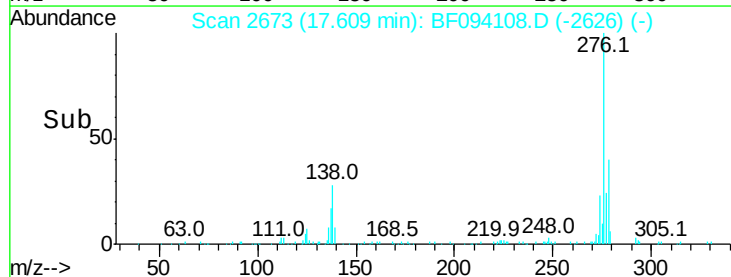
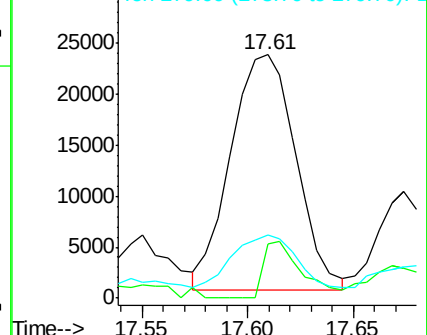
279 25.7 19.3 28.9

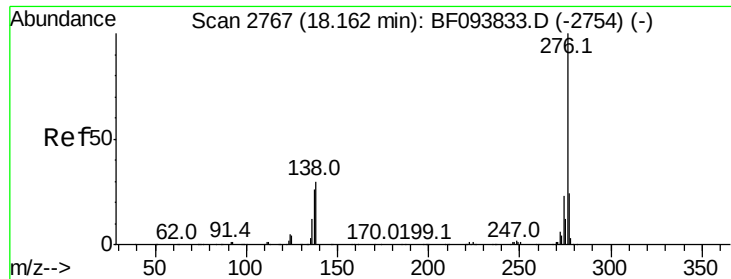


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 19.88 ng

RT: 18.00 min Scan# 2739

Delta R.T. -0.01 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Instrument :

BNA_F

ClientSampleId :

E2-S-R-11-12-BASE

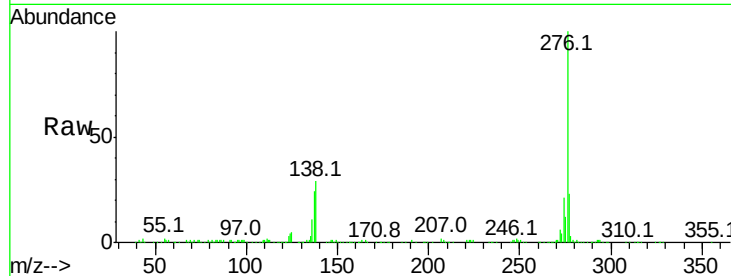
Tot Ion:276 Resp: 289735

Ion Ratio Lower Upper

276 100

277 23.4 18.6 28.0

138 29.2 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

