

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
 Data File : BF094102.D
 Acq On : 31 Mar 2017 18:02
 Operator : SJ/MA
 Sample : I2463-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q12-BASE

Quant Time: Mar 31 23:09:13 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

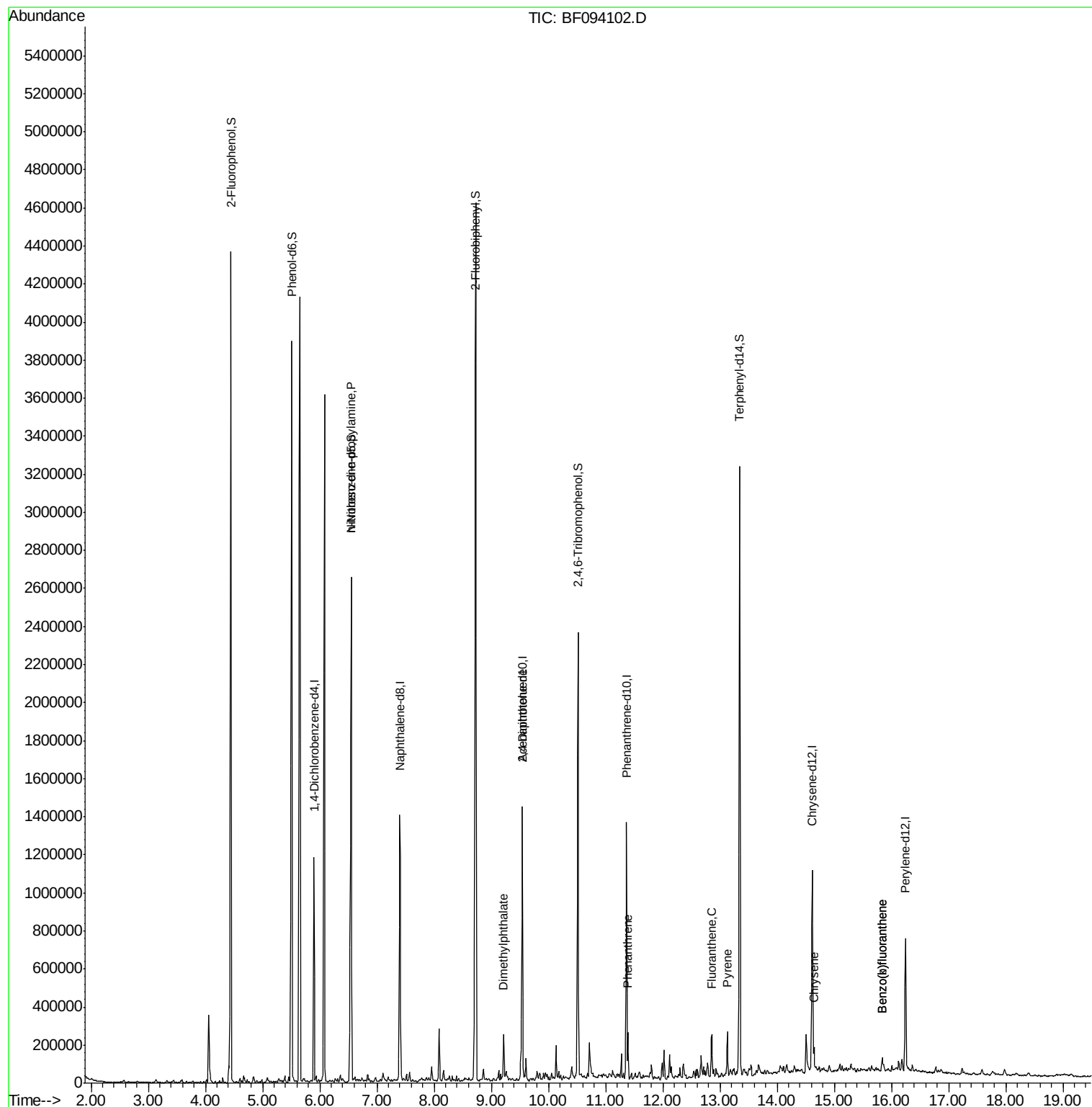
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.90	152	186370	20.00	ng	0.00
21) Naphthalene-d8	7.40	136	753078	20.00	ng	-0.01
38) Acenaphthene-d10	9.54	164	338208	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	564718	20.00	ng	-0.01
75) Chrysene-d12	14.62	240	385423	20.00	ng	-0.01
86) Perylene-d12	16.24	264	284578	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.45	112	1441379	130.63	ng	0.01
7) Phenol-d6	5.51	99	1850519	135.56	ng	0.00
23) Nitrobenzene-d5	6.55	82	1190279	90.20	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	339293	126.95	ng	0.00
44) 2-Fluorobiphenyl	8.73	172	1872716	84.46	ng	0.00
78) Terphenyl-d14	13.35	244	1214901	70.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.55	70	159790	18.21	ng	# 77
49) Dimethylphthalate	9.22	163	107678	4.48	ng	98
56) 2,4-Dinitrotoluene	9.54	165	44024	6.36	ng	# 33
70) Phenanthrene	11.39	178	90561	2.88	ng	97
74) Fluoranthene	12.86	202	104234	3.24	ng	99
77) Pyrene	13.13	202	98908	3.54	ng	97
82) Chrysene	14.64	228	44466	2.13	ng	# 91
87) Benzo(b)fluoranthene	15.84	252	48576	2.78	ng	# 96
88) Benzo(k)fluoranthene	15.84	252	48576	2.85	ng	99

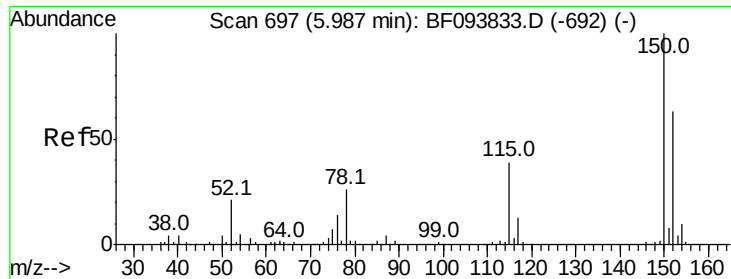
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF094102.D

Acq: 31 Mar 2017 18:02

Instrument :

BNA_F

ClientSampleId :

E2-Q12-BASE

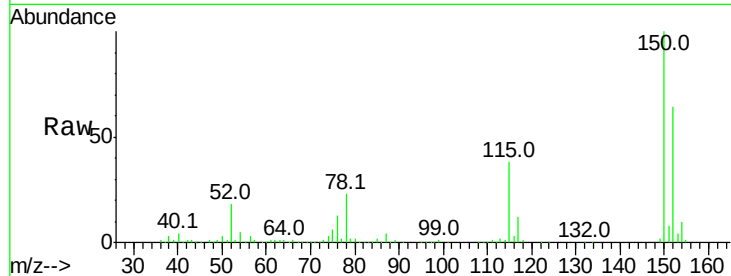
Tot Ion:152 Resp: 186370

Ion Ratio Lower Upper

152 100

150 157.5 126.2 189.2

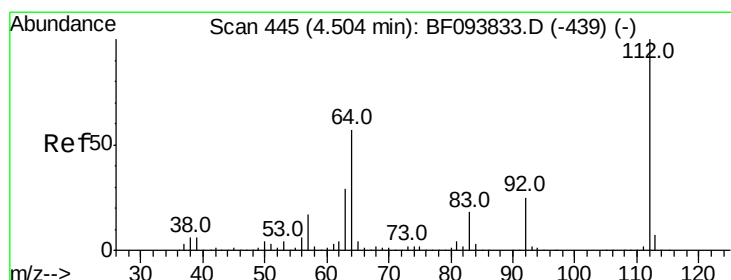
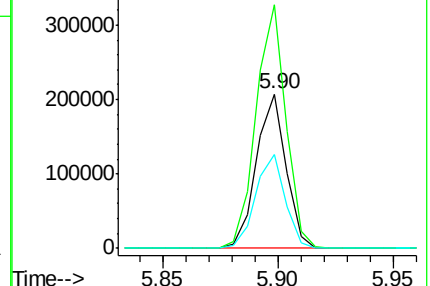
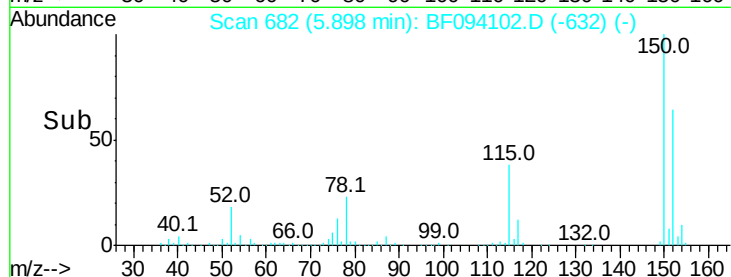
115 60.6 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 130.63 ng

RT: 4.45 min Scan# 435

Delta R.T. 0.01 min

Lab File: BF094102.D

Acq: 31 Mar 2017 18:02

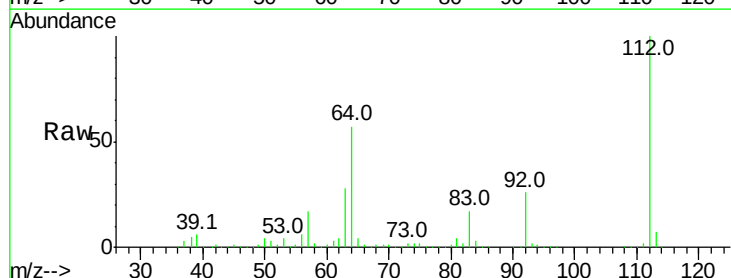
Tgt Ion:112 Resp: 1441379

Ion Ratio Lower Upper

112 100

64 56.8 46.0 69.0

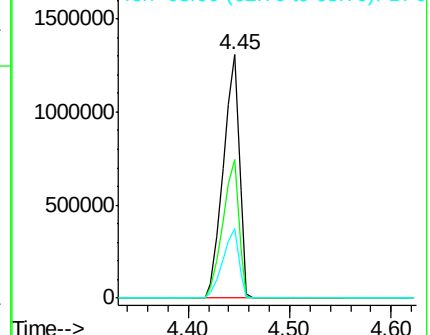
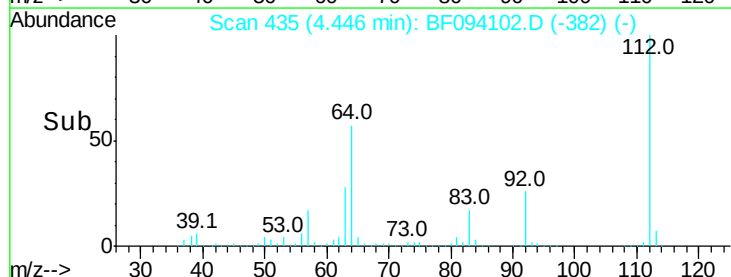
63 28.5 23.4 35.0

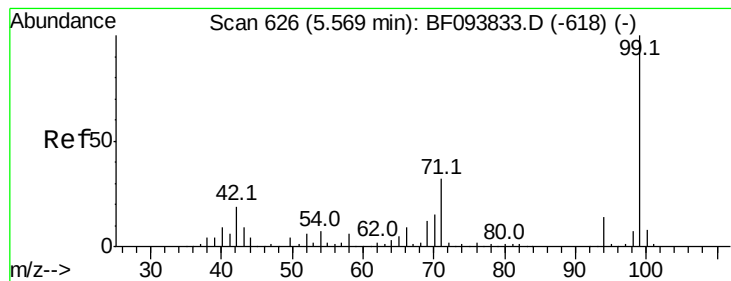


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.56 ng

RT: 5.51 min Scan# 616

Delta R.T. 0.00 min

Lab File: BF094102.D

Acq: 31 Mar 2017 18:02

Instrument :

BNA_F

ClientSampleId :

E2-Q12-BASE

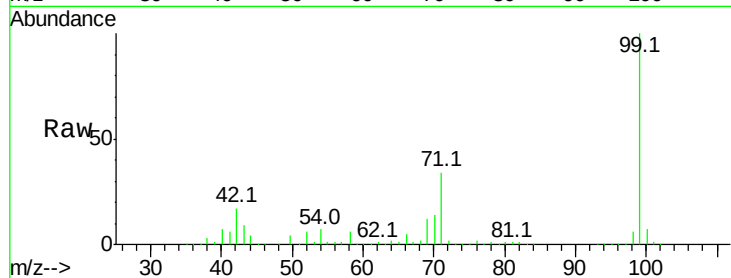
Tot Ion: 99 Resp: 1850519

Ion Ratio Lower Upper

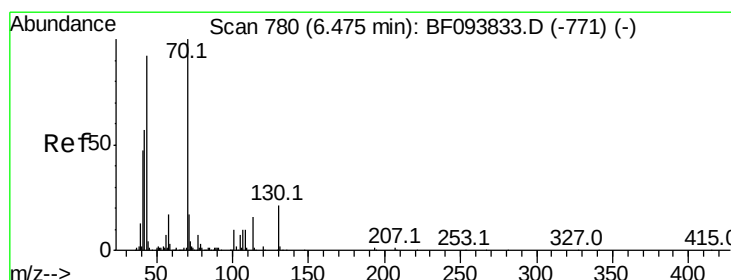
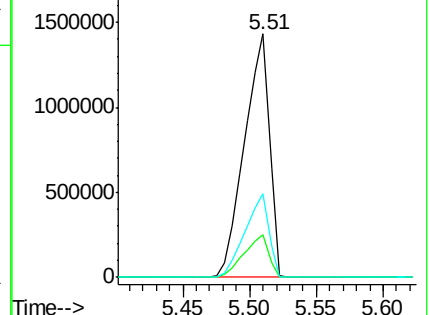
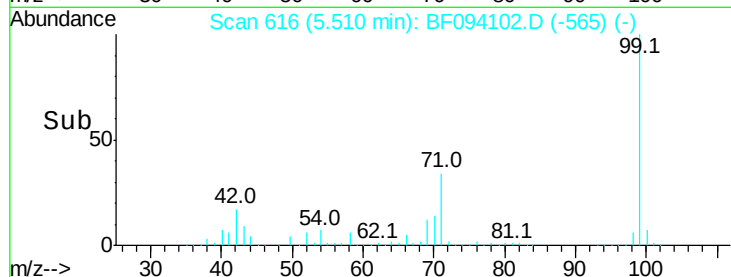
99 100

42 17.4 13.5 20.3

71 34.3 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.21 ng

RT: 6.55 min Scan# 793

Delta R.T. 0.16 min

Lab File: BF094102.D

Acq: 31 Mar 2017 18:02

Tgt Ion: 70 Resp: 159790

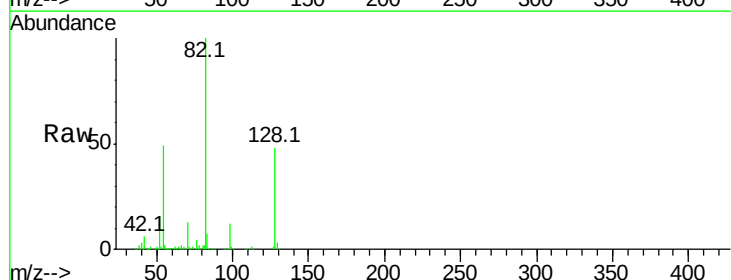
Ion Ratio Lower Upper

70 100

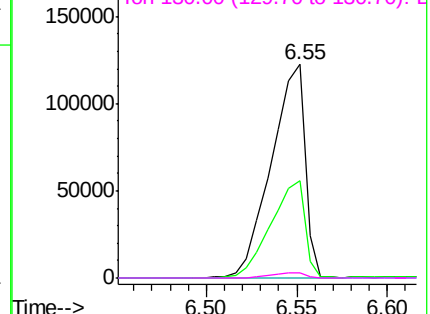
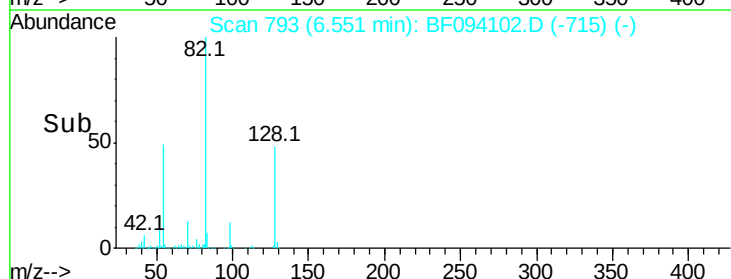
42 45.7 47.2 70.8#

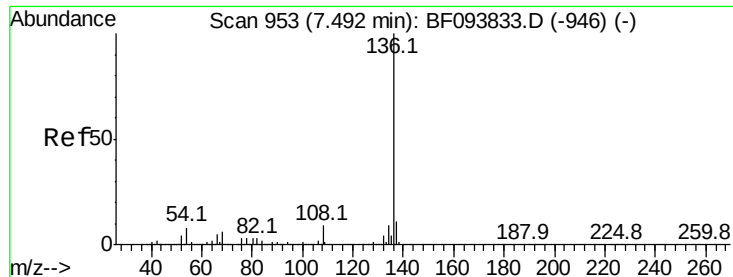
101 0.0 7.2 10.8#

130 2.5 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF094102.D

Acq: 31 Mar 2017 18:02

Instrument :

BNA_F

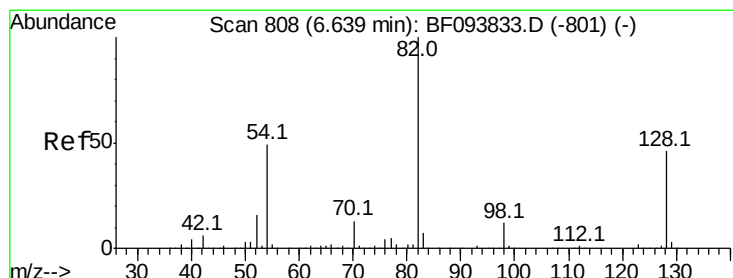
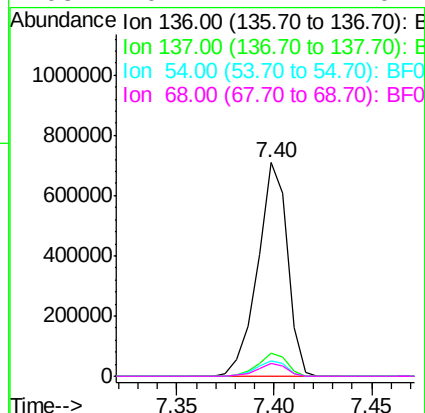
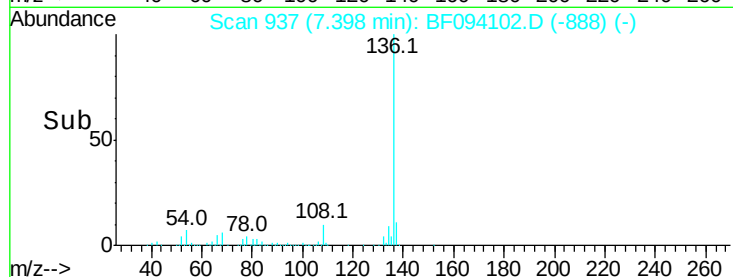
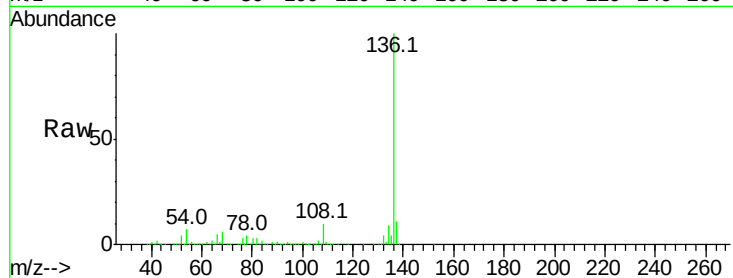
ClientSampleId :

E2-Q12-BASE

Tot Ion:136 Resp: 753078

Ion Ratio Lower Upper

136	100		
137	11.1	8.5	12.7
54	7.3	4.9	7.3#
68	6.1	4.1	6.1



#23

Nitrobenzene-d5

Concen: 90.20 ng

RT: 6.55 min Scan# 793

Delta R.T. -0.01 min

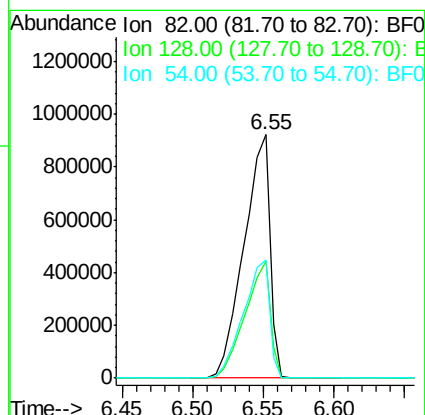
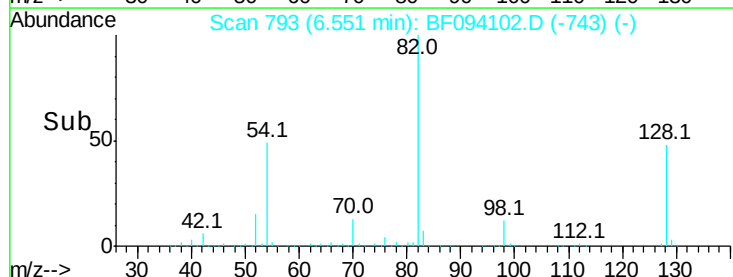
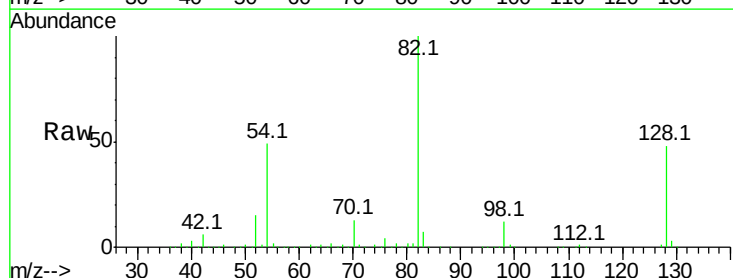
Lab File: BF094102.D

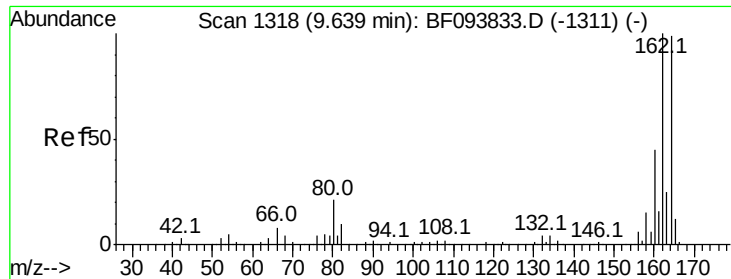
Acq: 31 Mar 2017 18:02

Tgt Ion: 82 Resp: 1190279

Ion Ratio Lower Upper

82	100		
128	48.1	34.0	51.0
54	48.7	42.2	63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.54 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF094102.D

Acq: 31 Mar 2017 18:02

Instrument :

BNA_F

ClientSampleId :

E2-Q12-BASE

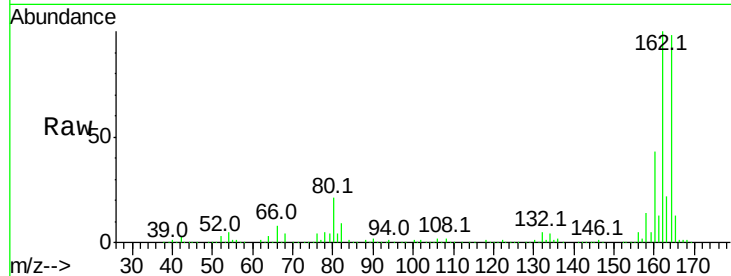
Tot Ion:164 Resp: 338208

Ion Ratio Lower Upper

164 100

162 101.8 82.6 123.8

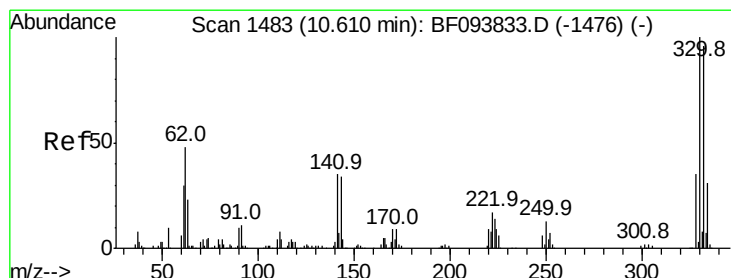
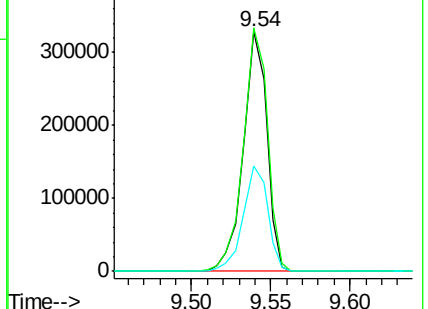
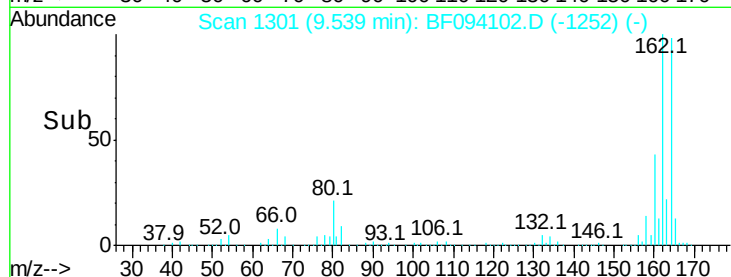
160 43.8 36.2 54.2



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: 126.95 ng

RT: 10.52 min Scan# 1468

Delta R.T. 0.00 min

Lab File: BF094102.D

Acq: 31 Mar 2017 18:02

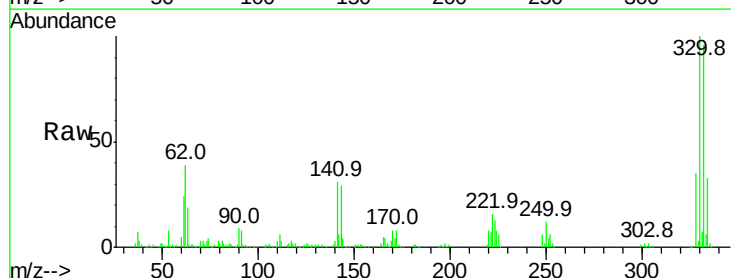
Tgt Ion:330 Resp: 339293

Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

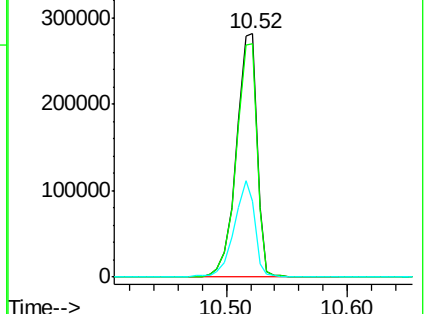
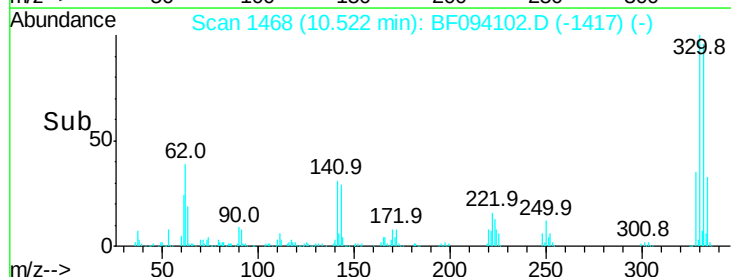
141 38.4 31.4 47.2

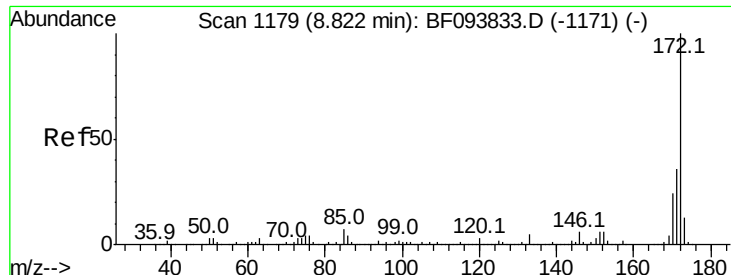


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

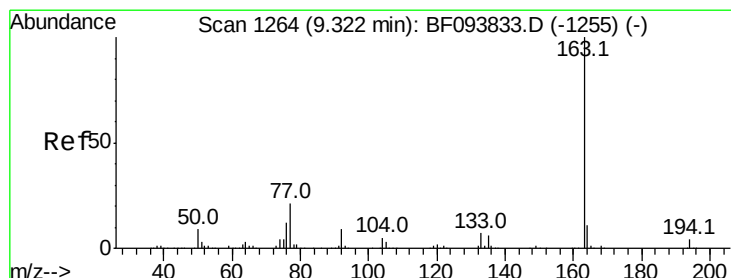
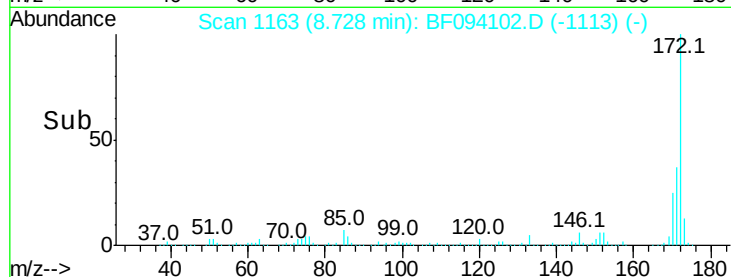
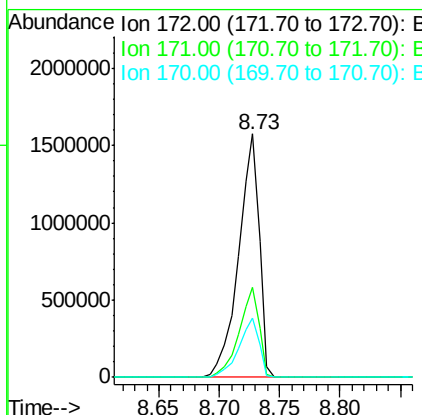
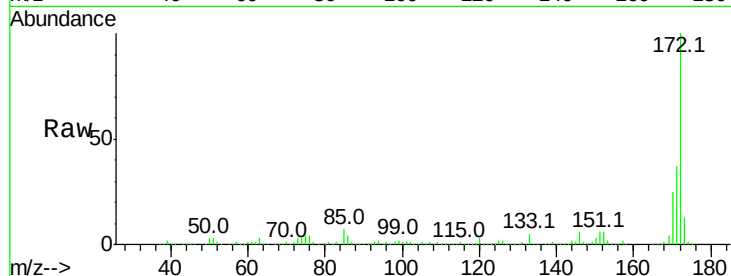




#44
2-Fluorobiphenyl
Concen: 84.46 ng
RT: 8.73 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF094102.D
Acq: 31 Mar 2017 18:02

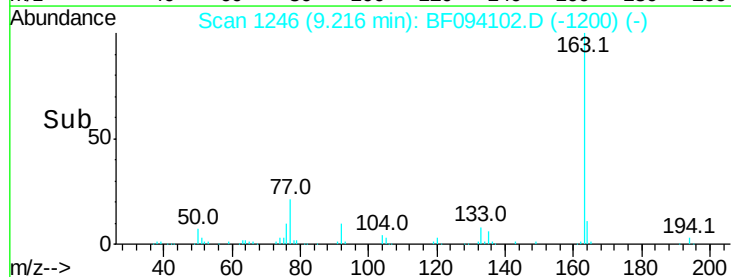
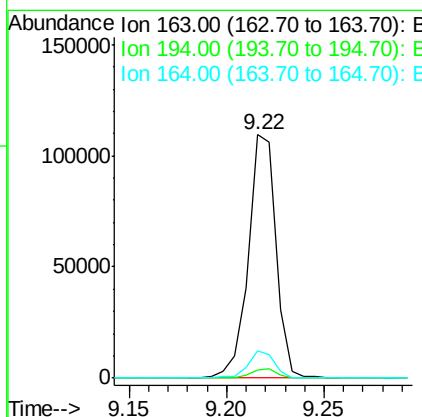
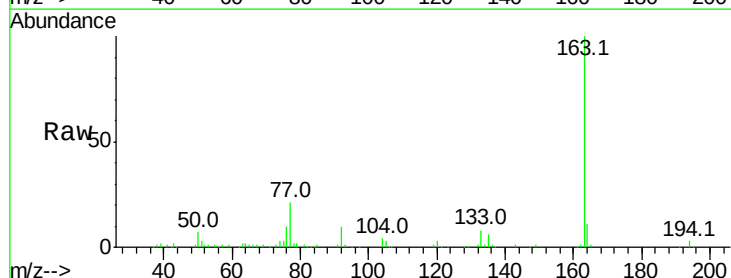
Instrument :
BNA_F
ClientSampleId :
E2-Q12-BASE

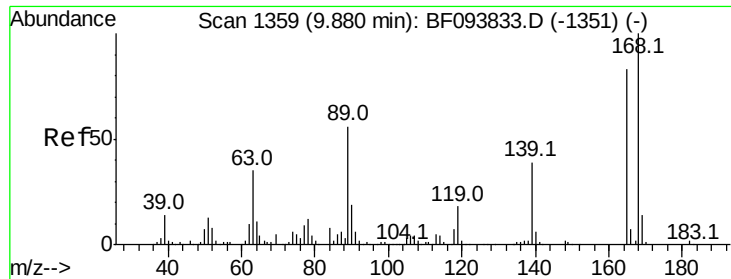
Tot Ion:172 Resp: 1872716
Ion Ratio Lower Upper
172 100
171 37.0 29.6 44.4
170 24.6 19.8 29.8



#49
Dimethylphthalate
Concen: 4.48 ng
RT: 9.22 min Scan# 1246
Delta R.T. -0.03 min
Lab File: BF094102.D
Acq: 31 Mar 2017 18:02

Tgt Ion:163 Resp: 107678
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 11.3 8.4 12.6

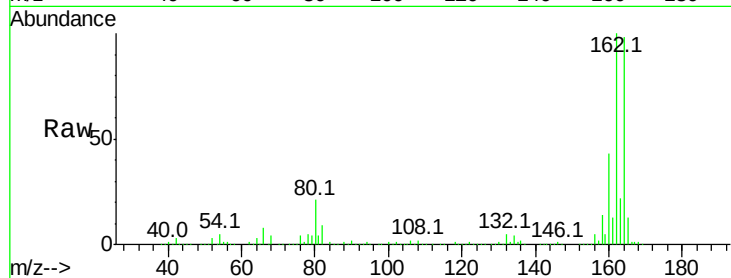




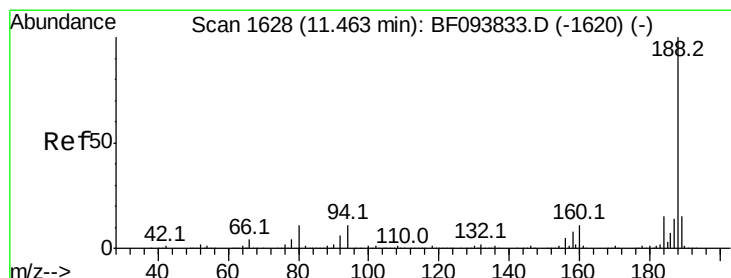
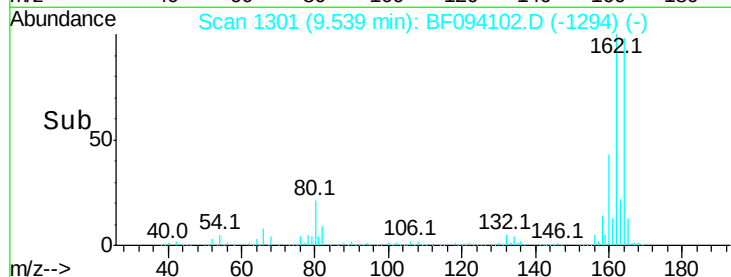
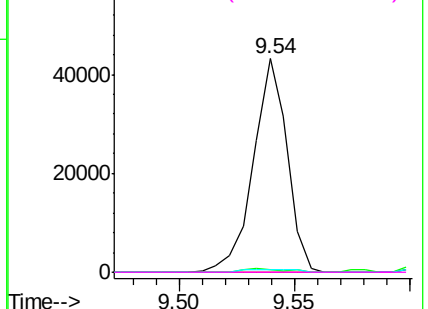
#56
 2,4-Dinitrotoluene
 Concen: 6.36 ng
 RT: 9.54 min Scan# 1301
 Delta R.T. -0.26 min
 Lab File: BF094102.D
 Acq: 31 Mar 2017 18:02

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q12-BASE

Tot Ion:165 Resp: 44024
 Ion Ratio Lower Upper
 165 100
 63 1.5 25.4 38.0#
 89 1.3 46.4 69.6#
 182 0.0 1.8 2.6#

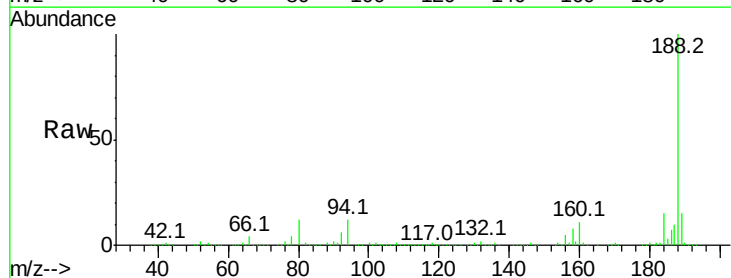


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

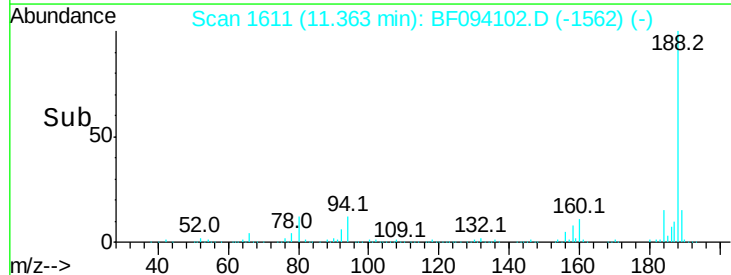
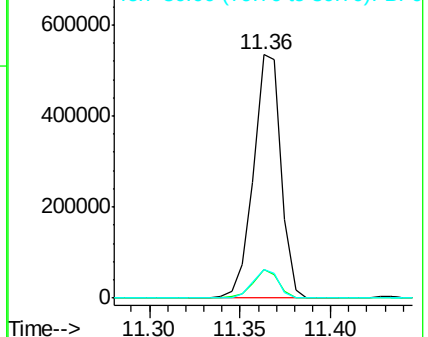


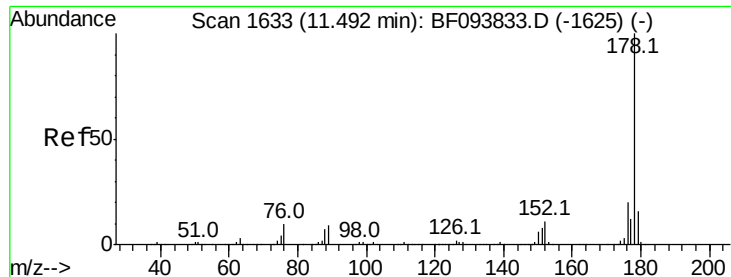
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF094102.D
 Acq: 31 Mar 2017 18:02

Tgt Ion:188 Resp: 564718
 Ion Ratio Lower Upper
 188 100
 94 11.7 9.4 14.2
 80 11.8 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

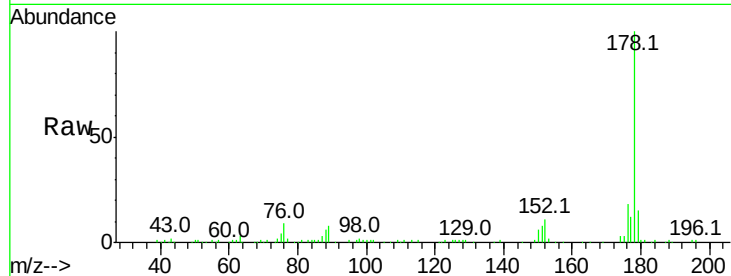




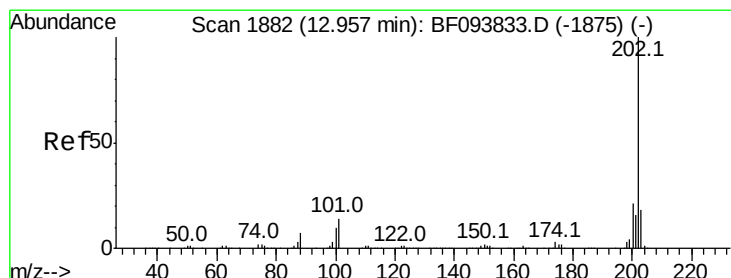
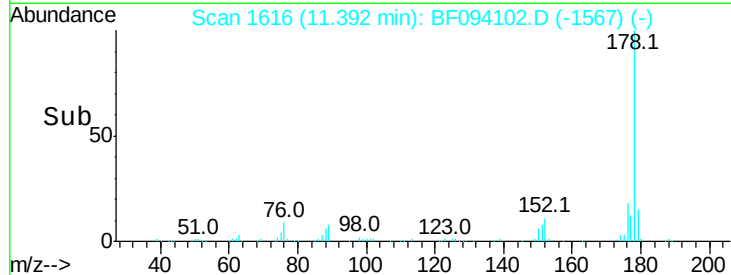
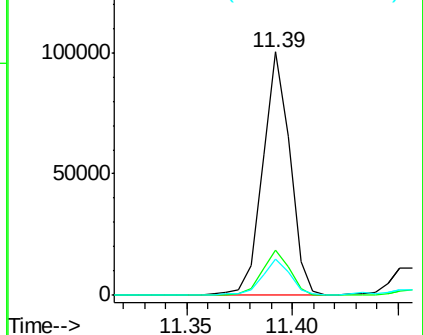
#70
 Phenanthrene
 Concen: 2.88 ng
 RT: 11.39 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF094102.D
 Acq: 31 Mar 2017 18:02

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q12-BASE

Tot Ion:178 Resp: 90561
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.2 24.4
 179 15.1 12.6 19.0

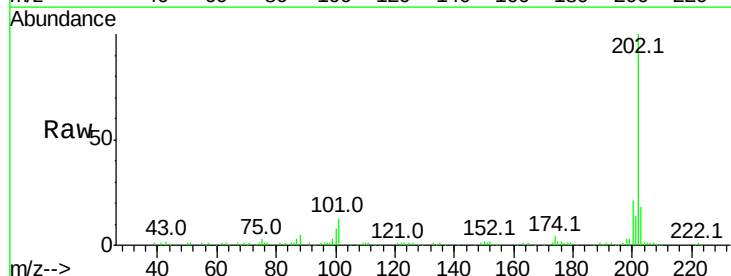


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

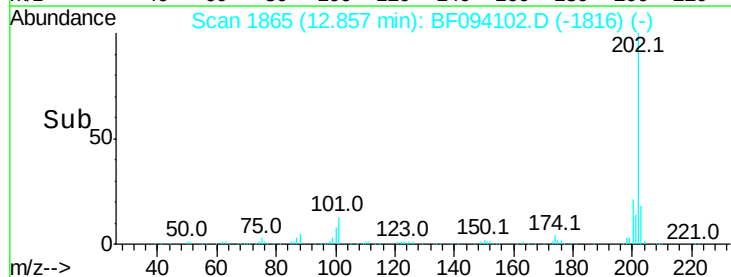
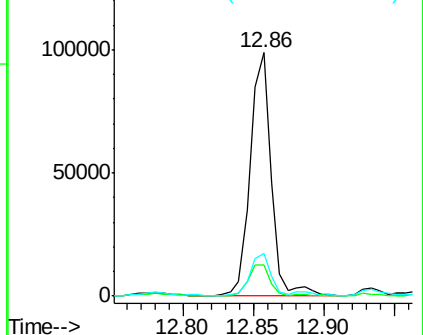


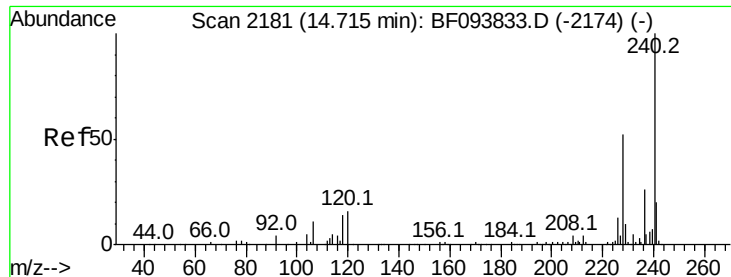
#74
 Fluoranthene
 Concen: 3.24 ng
 RT: 12.86 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF094102.D
 Acq: 31 Mar 2017 18:02

Tgt Ion:202 Resp: 104234
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 33.2
 203 17.5 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# 2164

Delta R.T. -0.01 min

Lab File: BF094102.D

Acq: 31 Mar 2017 18:02

Instrument :

BNA_F

ClientSampleId :

E2-Q12-BASE

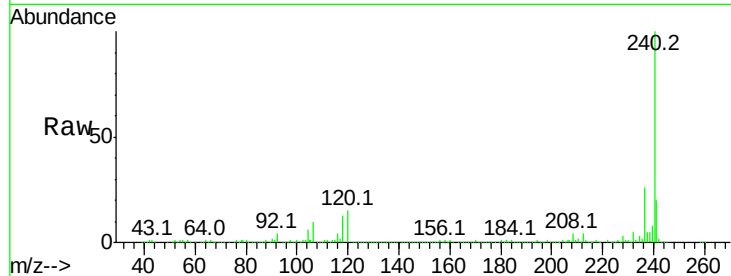
Tot Ion:240 Resp: 385423

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

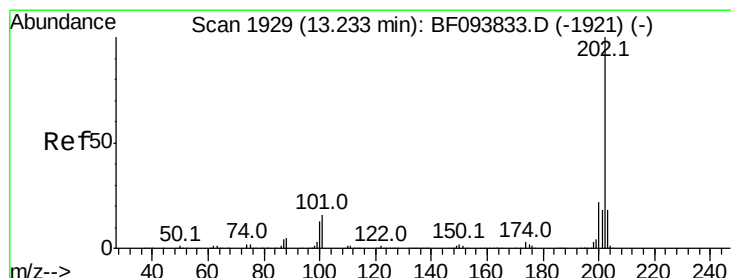
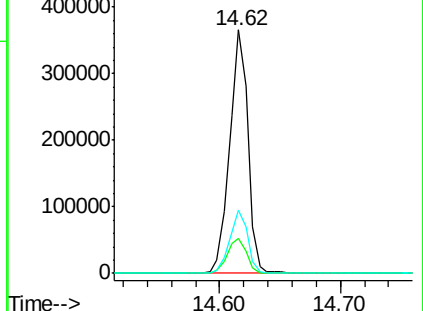
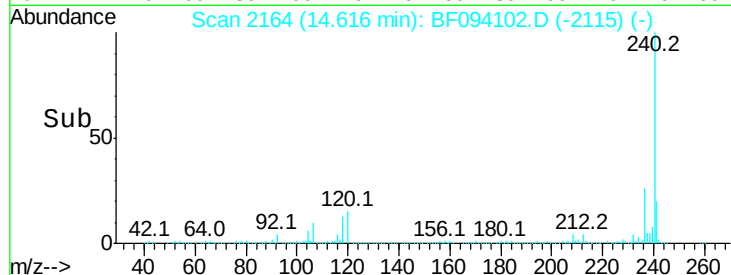
236 26.0 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.54 ng

RT: 13.13 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094102.D

Acq: 31 Mar 2017 18:02

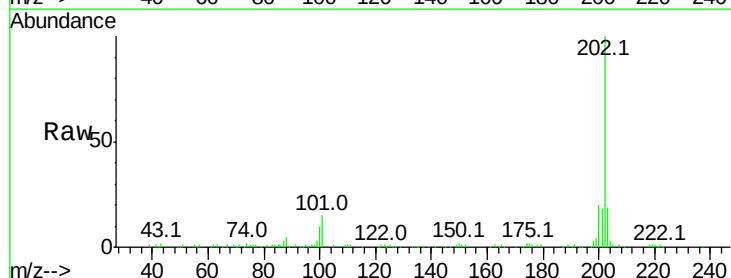
Tgt Ion:202 Resp: 98908

Ion Ratio Lower Upper

202 100

200 19.9 17.6 26.4

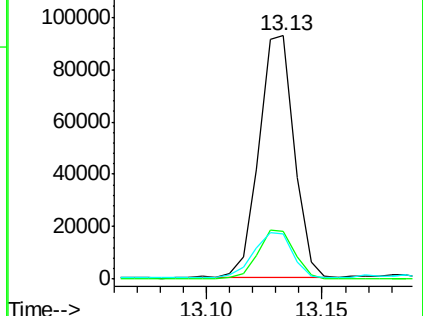
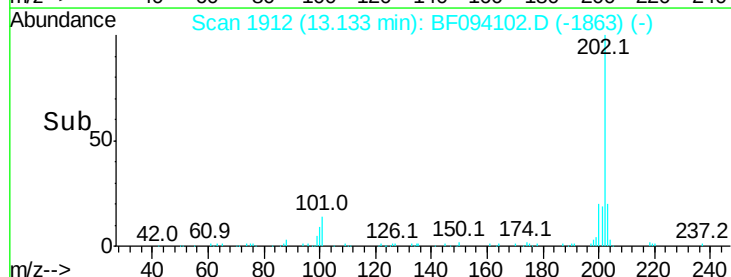
203 18.7 14.4 21.6

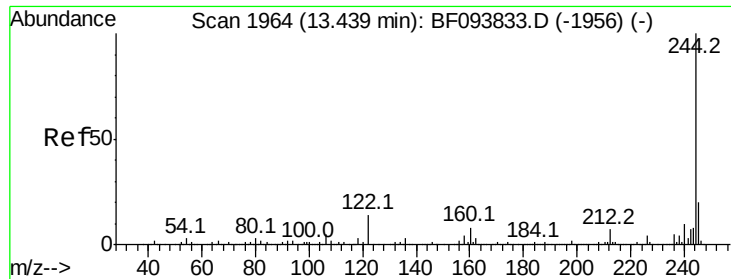


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

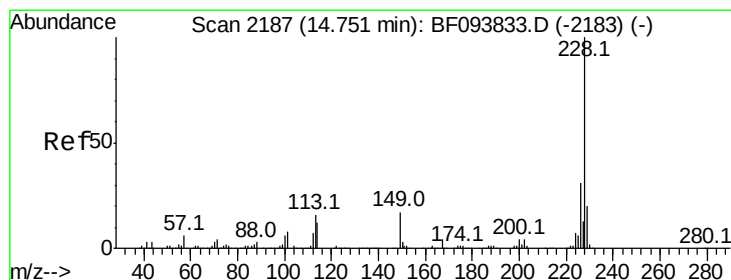
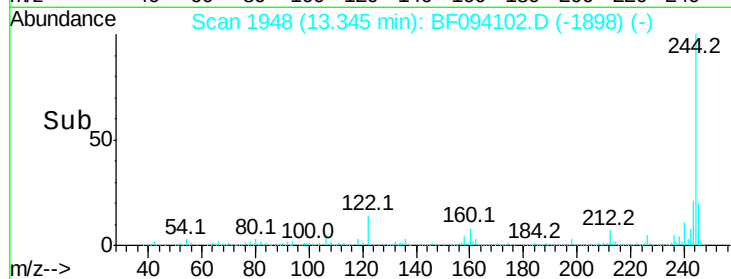
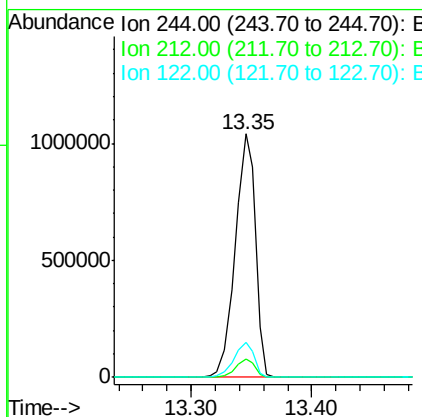
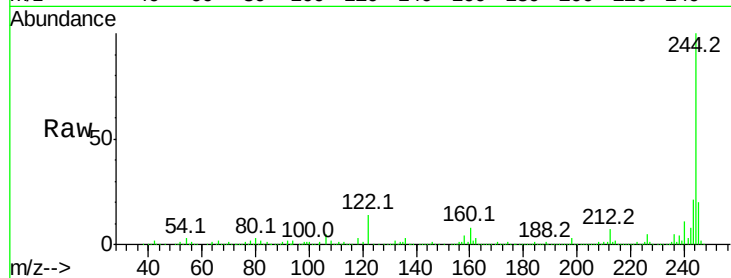




#78
 Terphenyl-d14
 Concen: 70.65 ng
 RT: 13.35 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BF094102.D
 Acq: 31 Mar 2017 18:02

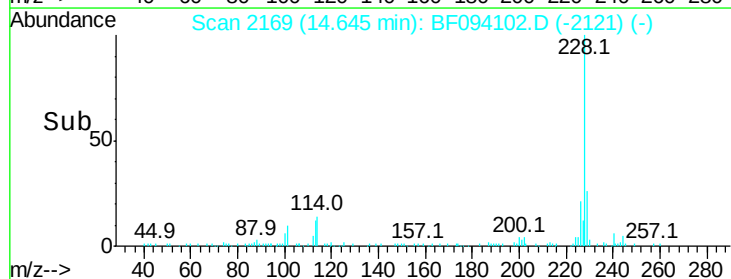
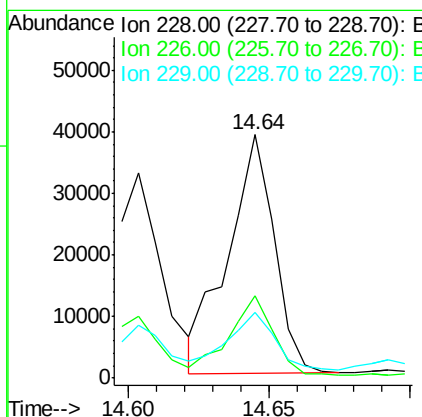
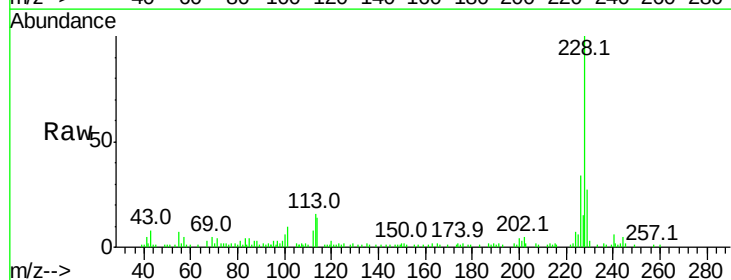
Instrument :
 BNA_F
 ClientSampleId :
 E2-Q12-BASE

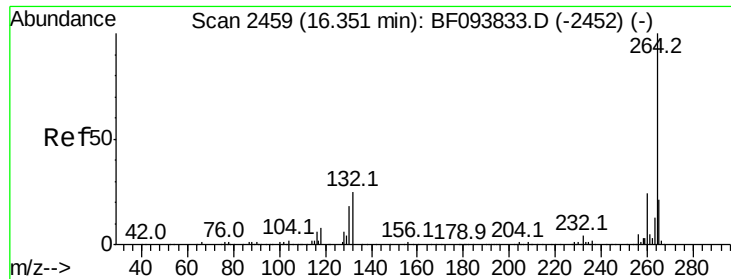
Tot Ion:244 Resp: 1214901
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 14.3 10.3 15.5



#82
 Chrysene
 Concen: 2.13 ng
 RT: 14.64 min Scan# 2169
 Delta R.T. -0.02 min
 Lab File: BF094102.D
 Acq: 31 Mar 2017 18:02

Tgt Ion:228 Resp: 44466
 Ion Ratio Lower Upper
 228 100
 226 33.6 24.9 37.3
 229 27.1 15.8 23.6#

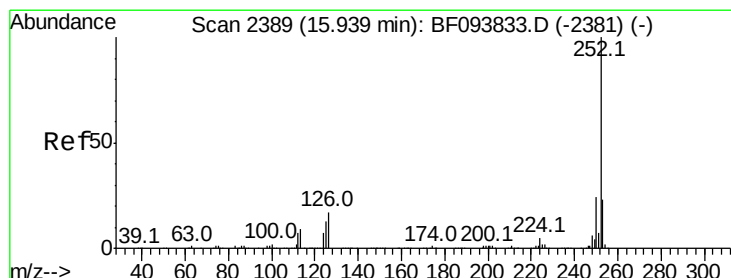
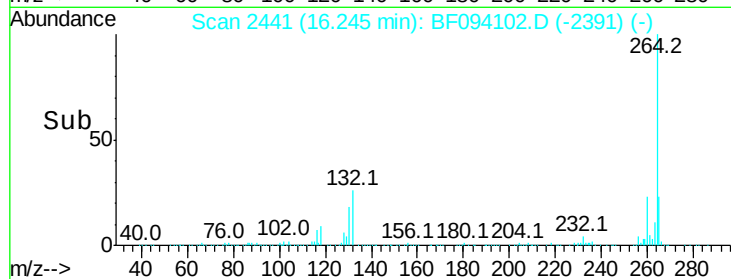
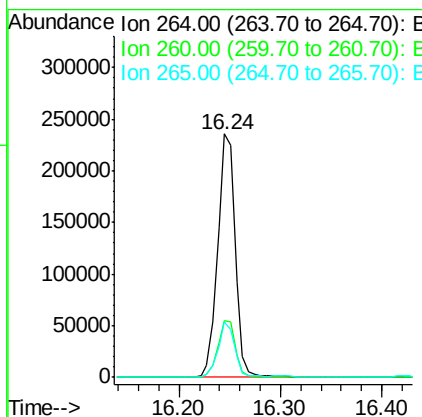
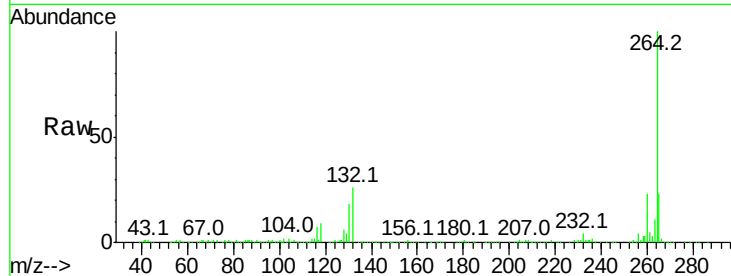




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.24 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BF094102.D
Acq: 31 Mar 2017 18:02

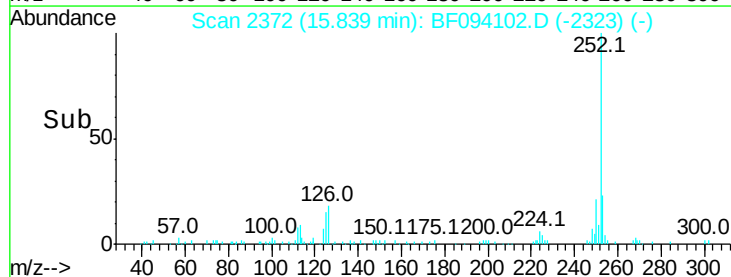
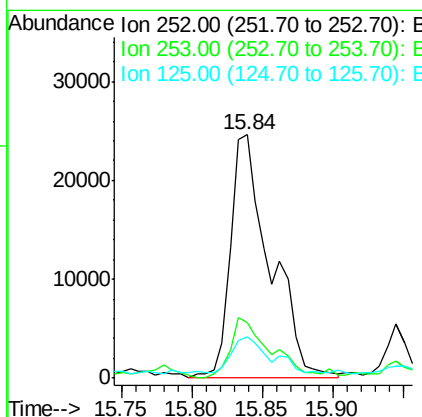
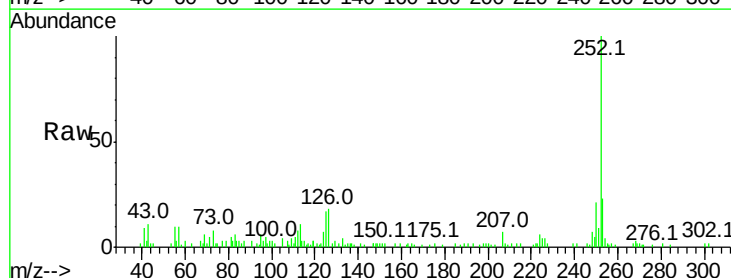
Instrument :
BNA_F
ClientSampleId :
E2-Q12-BASE

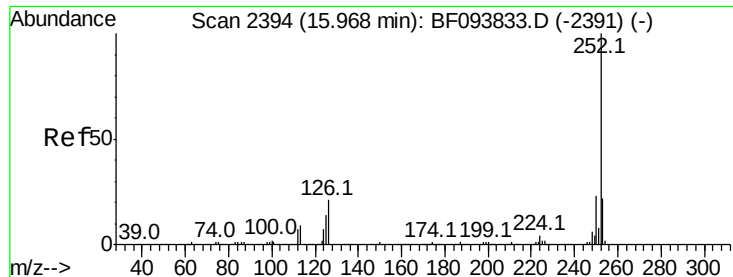
Tot Ion:264 Resp: 284578
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 22.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.78 ng
RT: 15.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BF094102.D
Acq: 31 Mar 2017 18:02

Tgt Ion:252 Resp: 48576
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 17.2 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 2.85 ng

RT: 15.84 min Scan# 2372

Delta R.T. -0.04 min

Lab File: BF094102.D

Acq: 31 Mar 2017 18:02

Instrument :

BNA_F

ClientSampleId :

E2-Q12-BASE

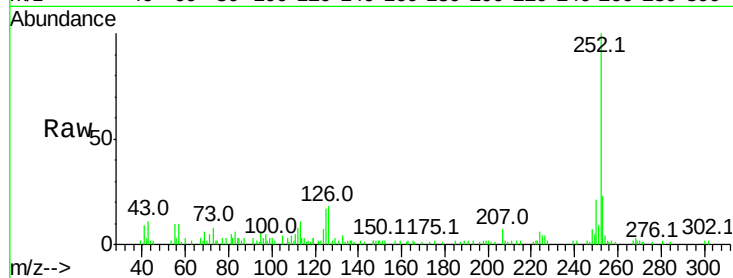
Tot Ion:252 Resp: 48576

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

125 17.2 13.1 19.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

