

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093860.D
 Acq On : 23 Mar 2017 4:30
 Operator : SJ/MA
 Sample : I2337-07
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q14-BASE

Quant Time: Mar 23 07:02:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

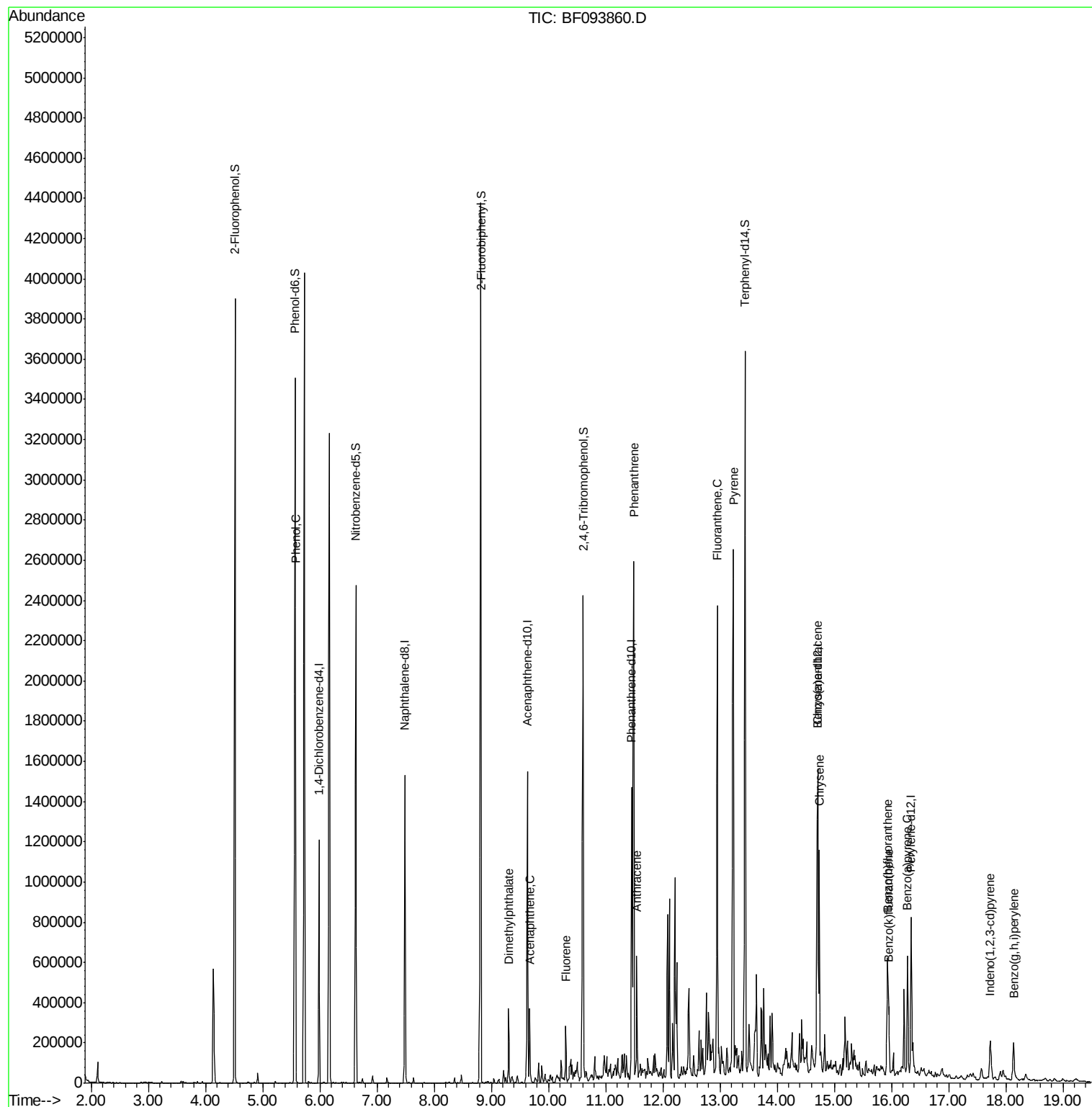
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	196204	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	788265	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	359923	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	619629	20.00	ng	0.00
75) Chrysene-d12	14.71	240	434685	20.00	ng	0.00
86) Perylene-d12	16.34	264	321559	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.52	112	1254491	107.99	ng	0.01
7) Phenol-d6	5.57	99	1608720	111.94	ng	0.00
23) Nitrobenzene-d5	6.63	82	1003346	72.64	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	321251	112.95	ng	0.00
44) 2-Fluorobiphenyl	8.82	172	1751762	74.24	ng	0.00
78) Terphenyl-d14	13.44	244	1359903	70.12	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.58	94	67823	4.15	ng	89
49) Dimethylphthalate	9.30	163	153530	6.00	ng	98
51) Acenaphthene	9.67	154	78847	3.58	ng	99
57) Fluorene	10.30	166	73877m	2.97	ng	
70) Phenanthrene	11.49	178	1163268	33.75	ng	99
71) Anthracene	11.54	178	246294	6.94	ng	99
74) Fluoranthene	12.96	202	1133122	32.10	ng	98
77) Pyrene	13.23	202	1291623	40.94	ng	99
80) Benzo(a)anthracene	14.70	228	466649	18.41	ng	99
82) Chrysene	14.74	228	462439	19.66	ng	97
85) Indeno(1,2,3-cd)pyrene	17.73	276	125681	6.17	ng	97
87) Benzo(b)fluoranthene	15.93	252	346417m	17.58	ng	
88) Benzo(k)fluoranthene	15.96	252	92858m	4.81	ng	
89) Benzo(a)pyrene	16.28	252	261101	14.38	ng	97
91) Benzo(a,h,i)perylene	18.14	276	133453	8.61	ng	98

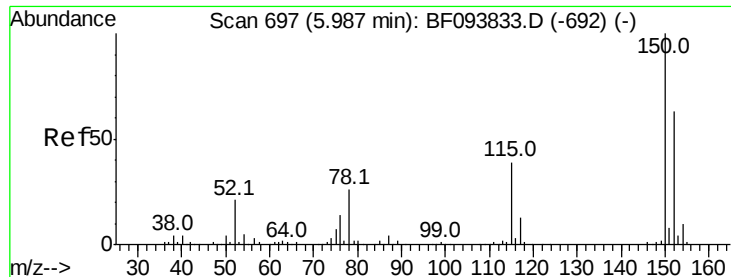
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.99 min Scan# 697

Delta R.T. -0.00 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

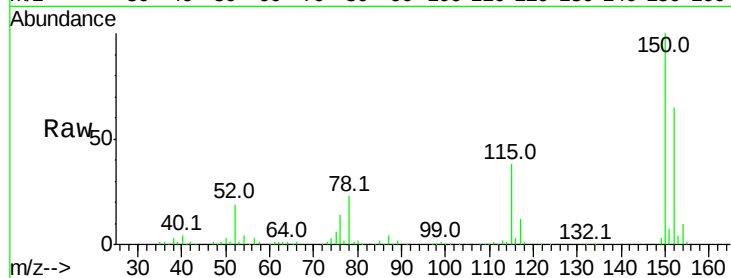
Tot Ion:152 Resp: 196204

Ion Ratio Lower Upper

152 100

150 154.0 126.2 189.2

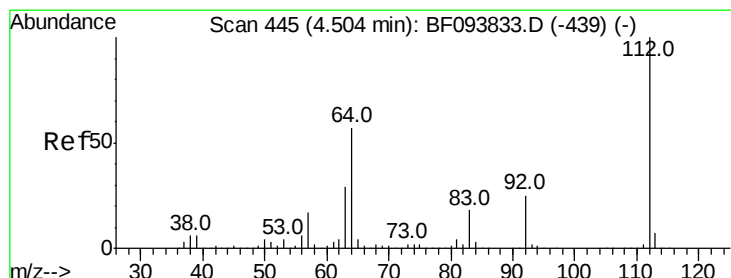
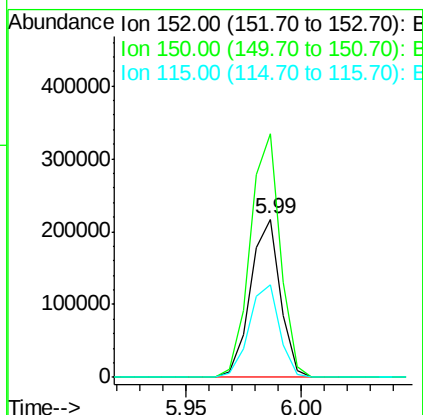
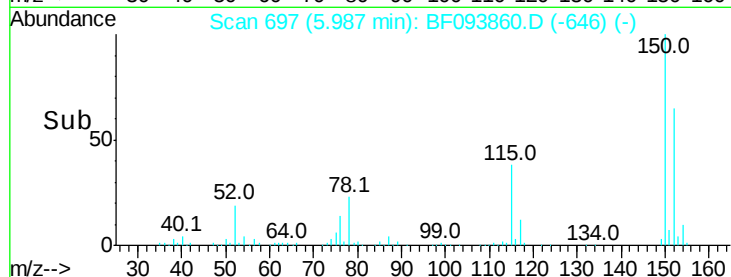
115 58.6 52.2 78.2



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: 107.99 ng

RT: 4.52 min Scan# 447

Delta R.T. 0.01 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

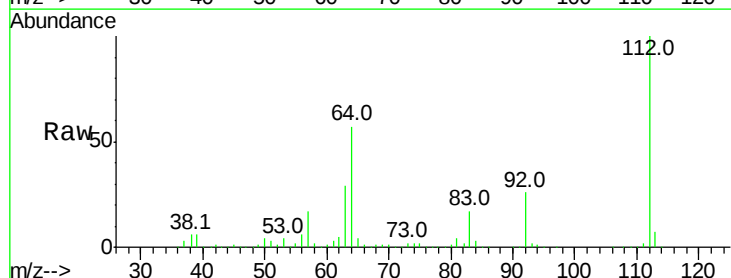
Tgt Ion:112 Resp: 1254491

Ion Ratio Lower Upper

112 100

64 57.3 46.0 69.0

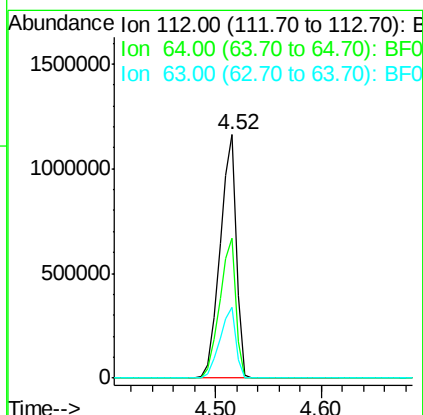
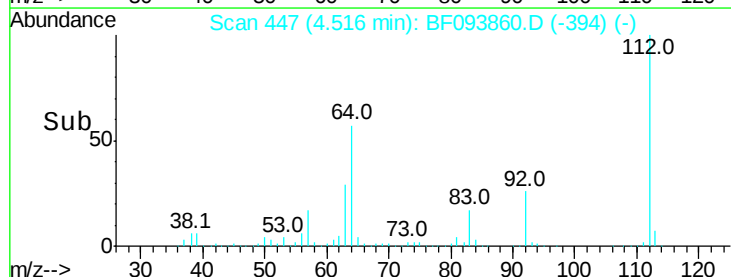
63 28.8 23.4 35.0

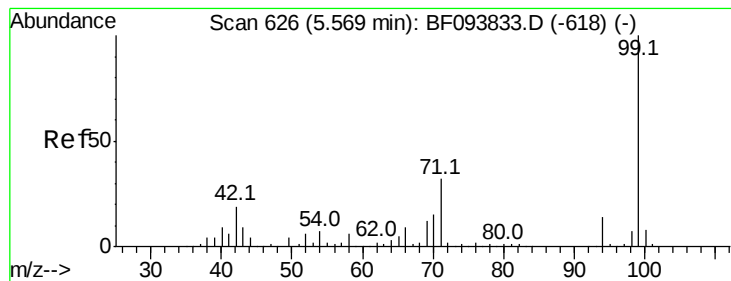


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.94 ng

RT: 5.57 min Scan# 626

Delta R.T. -0.00 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

Instrument :

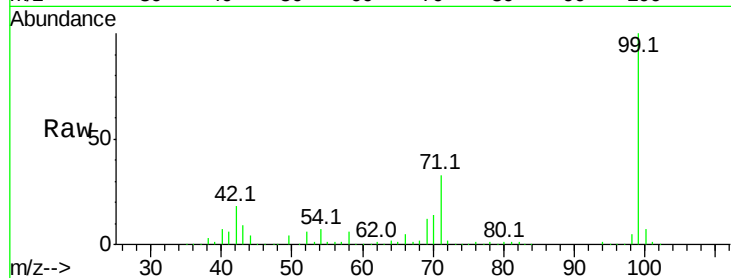
BNA_F

ClientSampleId :

E2-Q14-BASE

Tot Ion: 99 Resp: 1608720

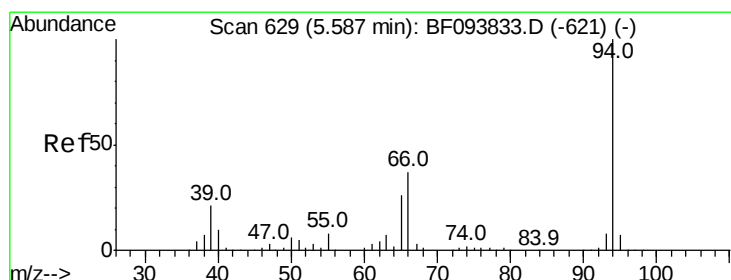
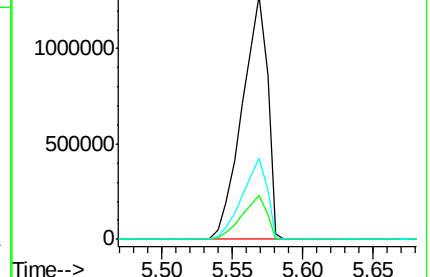
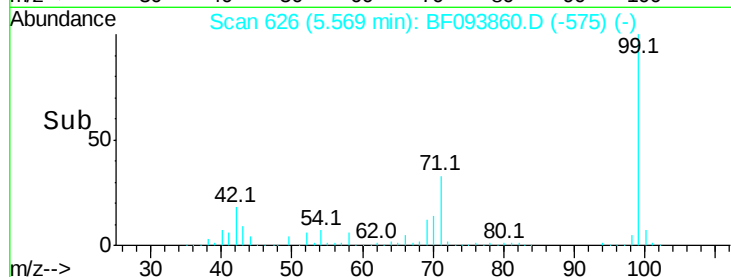
Ion	Ratio	Lower	Upper
99	100		
42	18.2	13.5	20.3
71	33.4	24.5	36.7



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



#10

Phenol

Concen: 4.15 ng

RT: 5.58 min Scan# 628

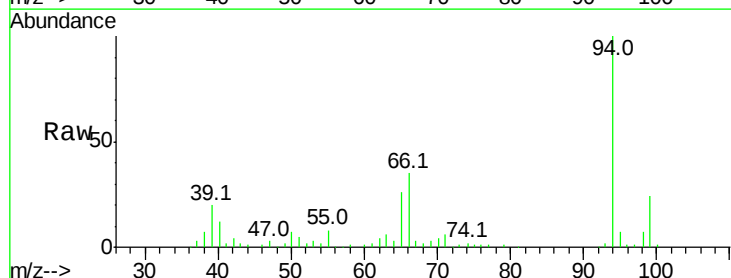
Delta R.T. -0.01 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

Tgt Ion: 94 Resp: 67823

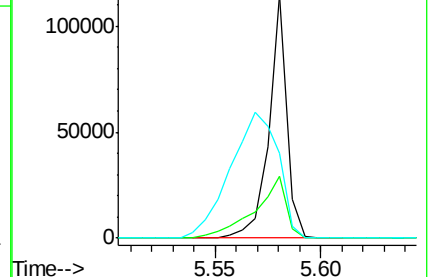
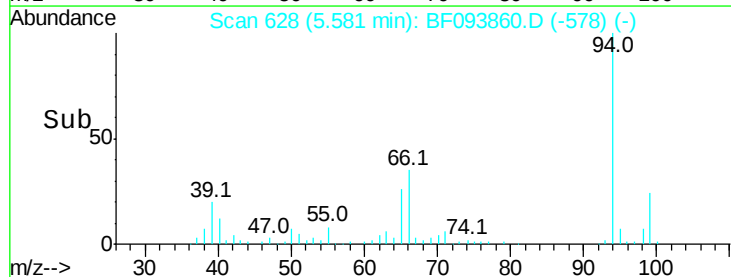
Ion	Ratio	Lower	Upper
94	100		
65	25.5	9.9	49.9
66	34.7	23.1	63.1

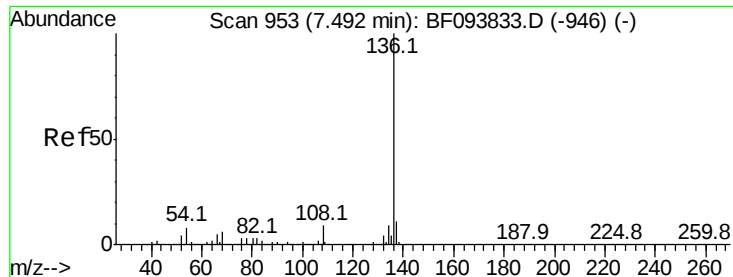


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.49 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

Tot Ion:136 Resp: 788265

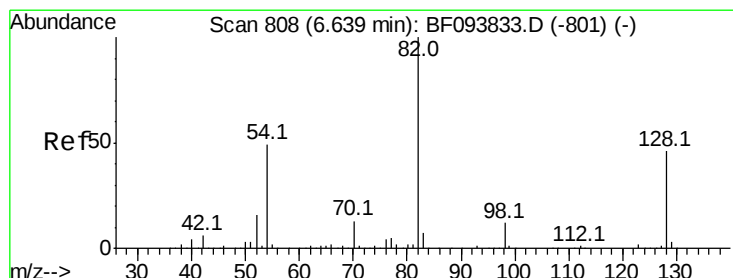
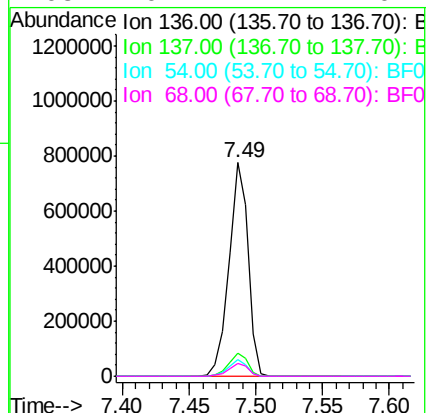
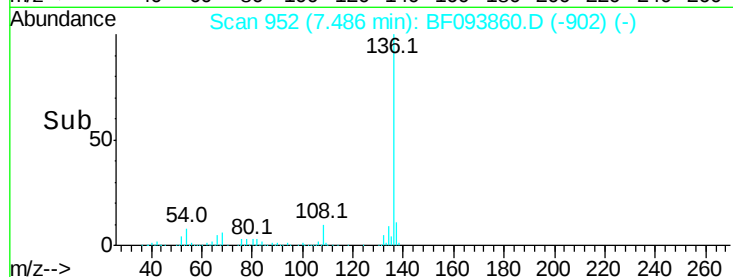
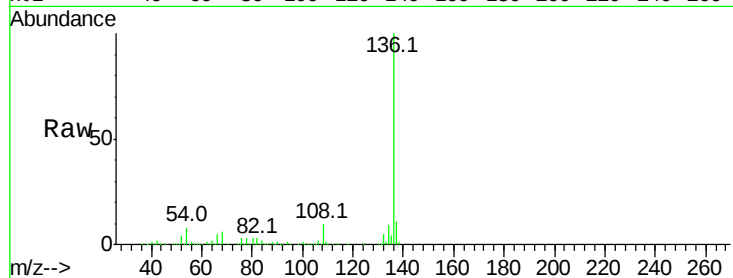
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.9 4.9 7.3#

68 6.1 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 72.64 ng

RT: 6.63 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

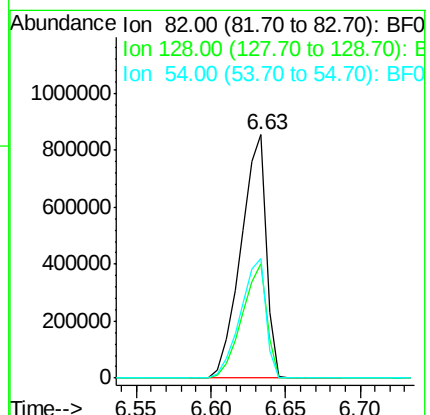
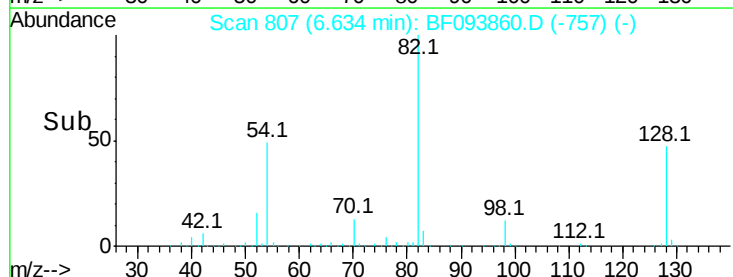
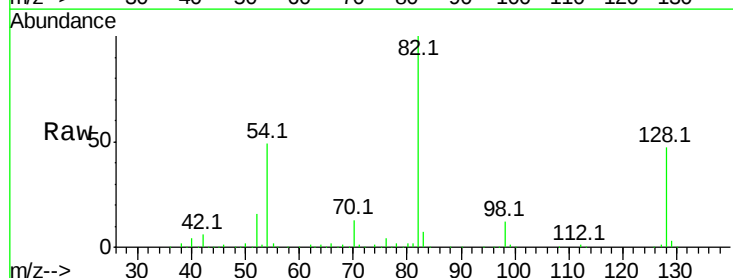
Tgt Ion: 82 Resp: 1003346

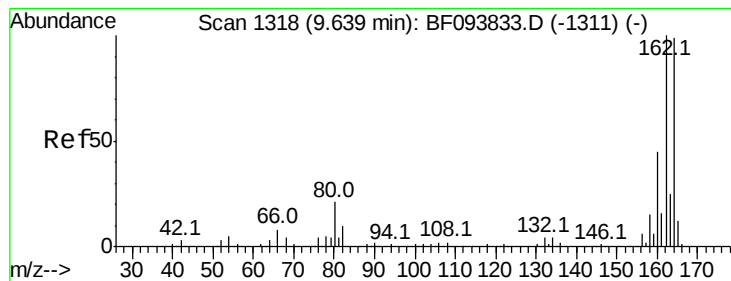
Ion Ratio Lower Upper

82 100

128 47.1 34.0 51.0

54 49.3 42.2 63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

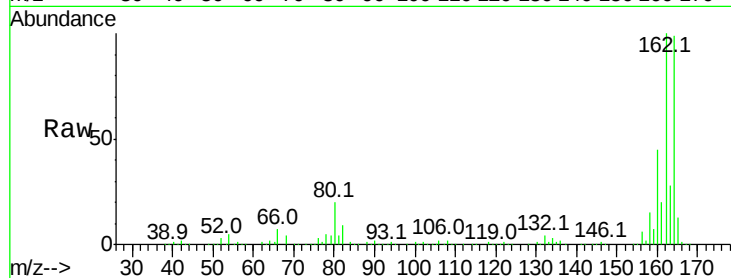
Tot Ion:164 Resp: 359923

Ion Ratio Lower Upper

164 100

162 101.4 82.6 123.8

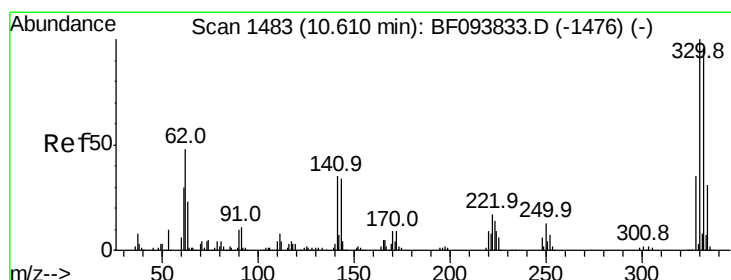
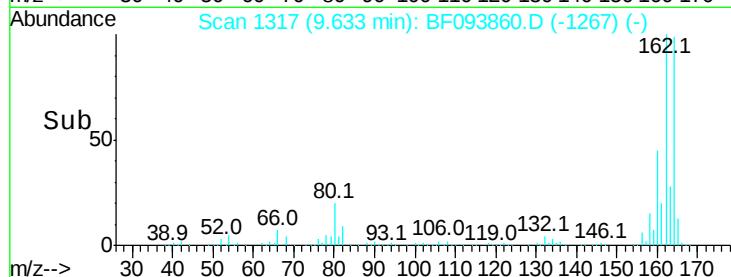
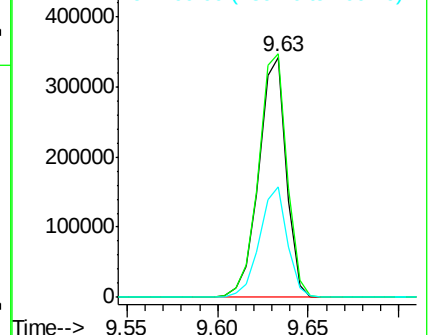
160 46.1 36.2 54.2



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: 112.95 ng

RT: 10.60 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

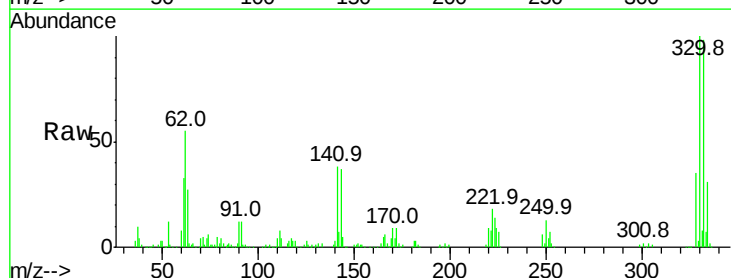
Tgt Ion:330 Resp: 321251

Ion Ratio Lower Upper

330 100

332 96.5 76.6 115.0

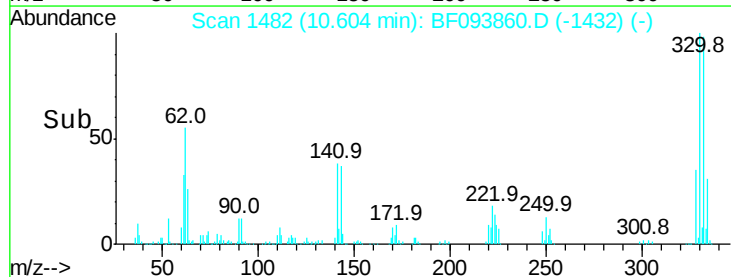
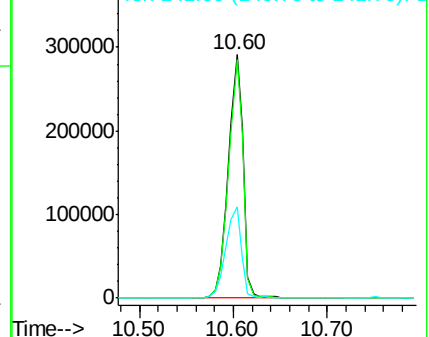
141 39.8 31.4 47.2

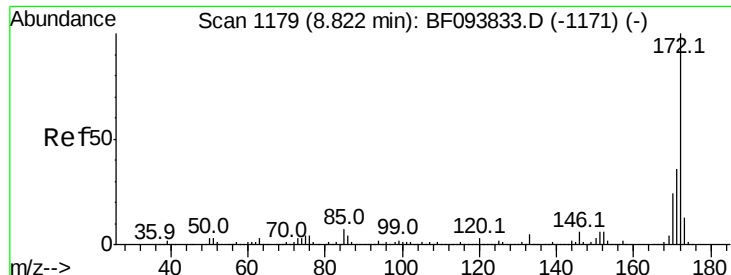


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



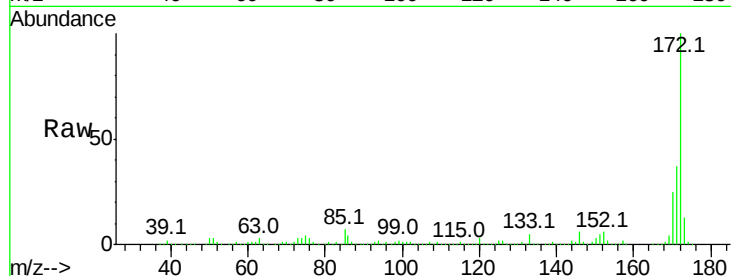


#44
2-Fluorobiphenyl
Concen: 74.24 ng
RT: 8.82 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

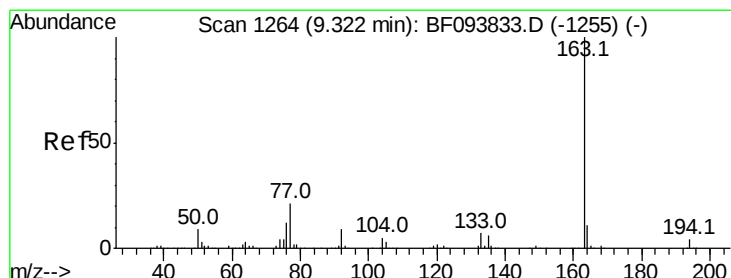
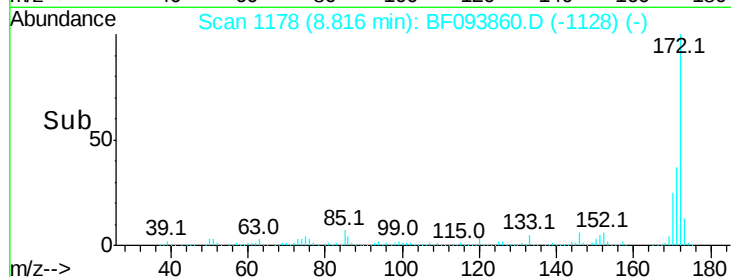
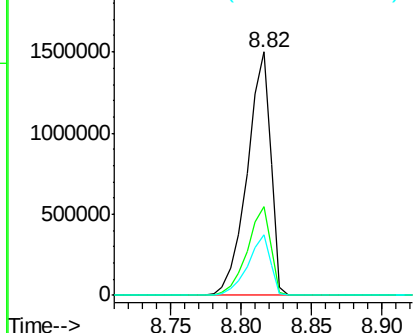
Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tot Ion:172 Resp: 1751762

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.7	19.8	29.8



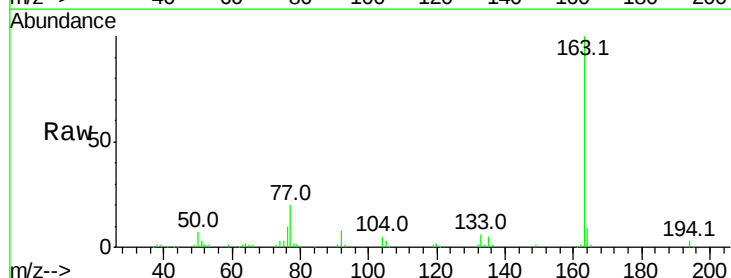
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



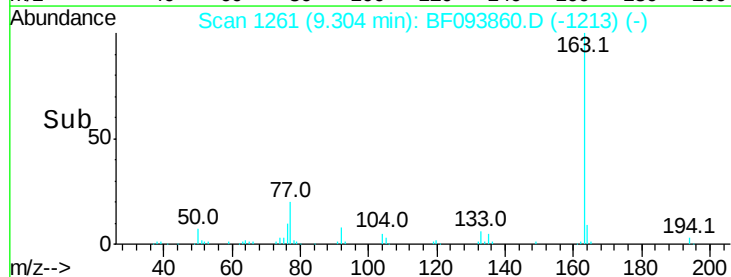
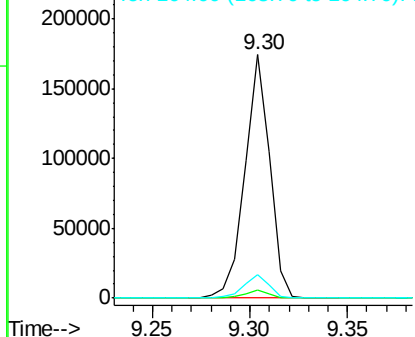
#49
Dimethylphthalate
Concen: 6.00 ng
RT: 9.30 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

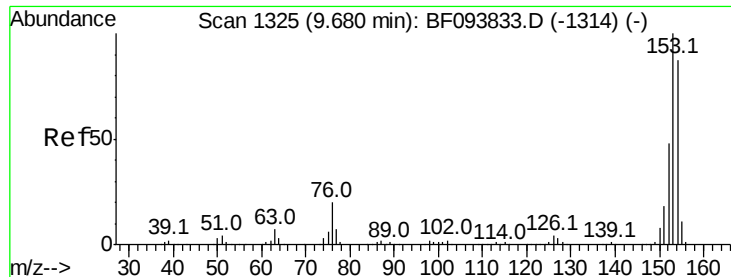
Tgt Ion:163 Resp: 153530

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.5	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





#51

Acenaphthene

Concen: 3.58 ng

RT: 9.67 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

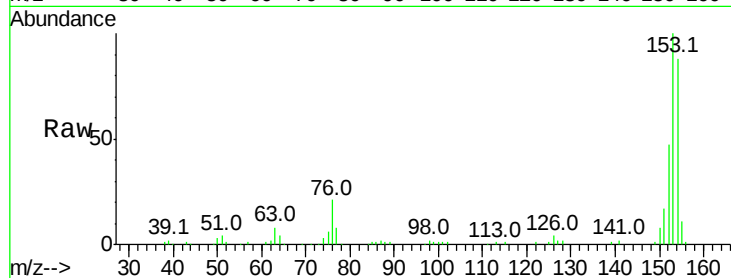
Tot Ion:154 Resp: 78847

Ion Ratio Lower Upper

154 100

153 114.1 90.5 135.7

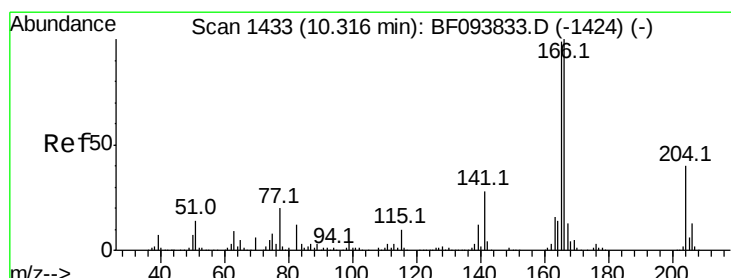
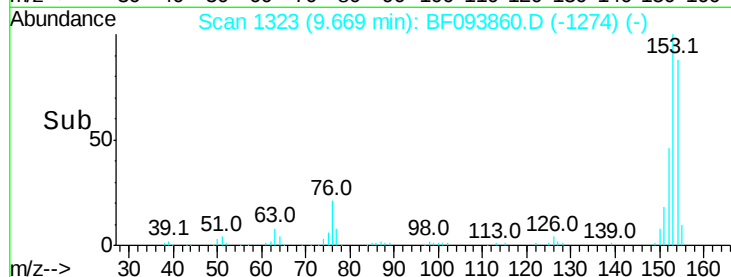
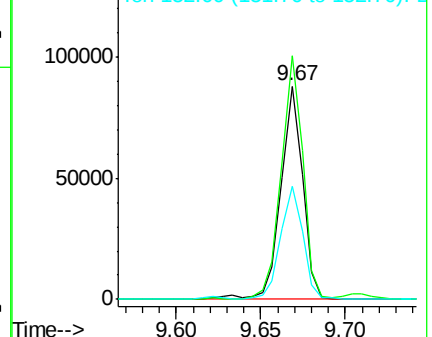
152 53.1 43.6 65.4



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



#57

Fluorene

Concen: 2.97 ng m

RT: 10.30 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

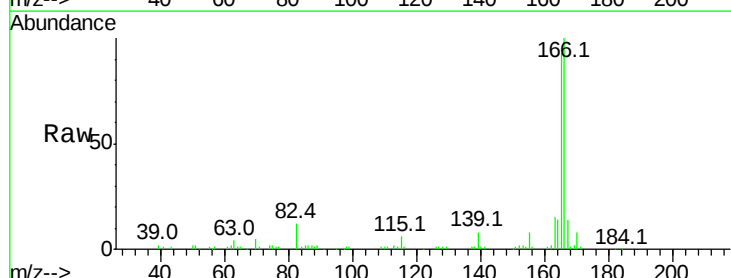
Tgt Ion:166 Resp: 73877

Ion Ratio Lower Upper

166 100

165 93.5 78.8 118.2

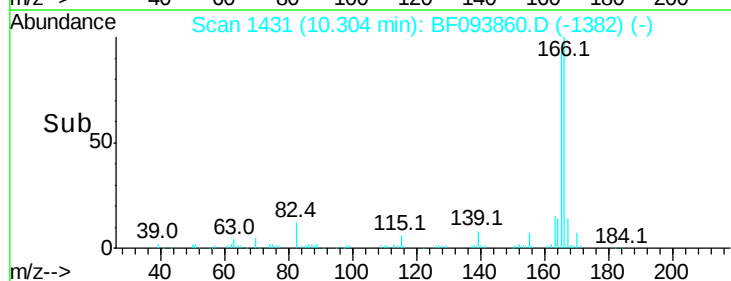
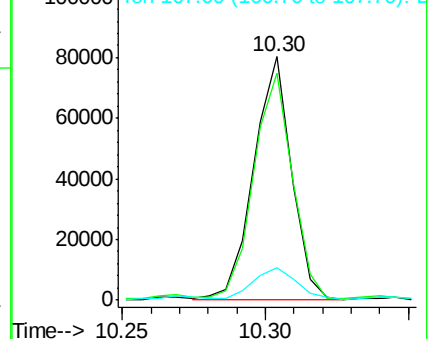
167 13.5 10.6 16.0

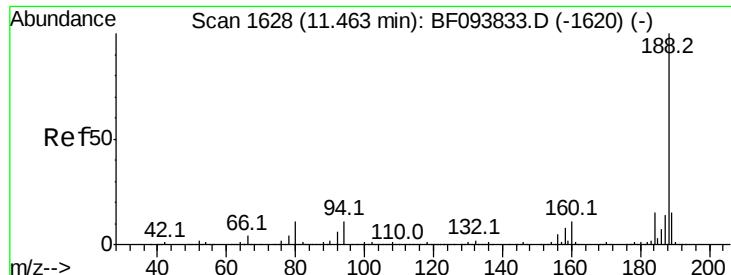


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

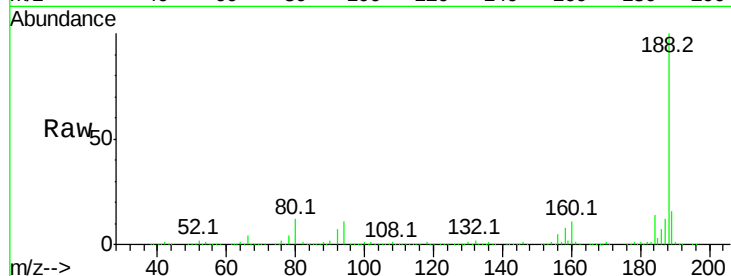




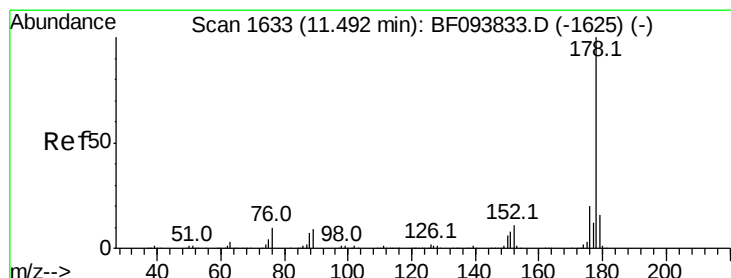
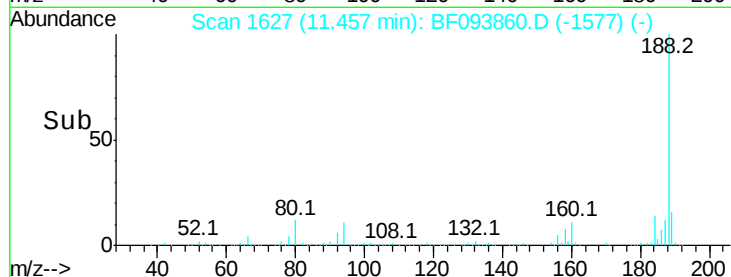
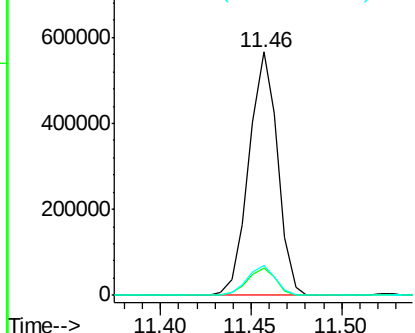
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tot Ion:188 Resp: 619629
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 12.4 10.2 15.2

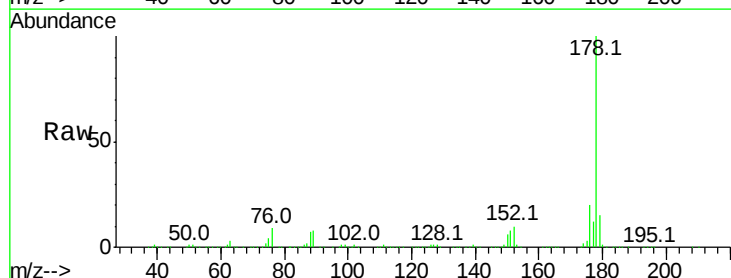


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

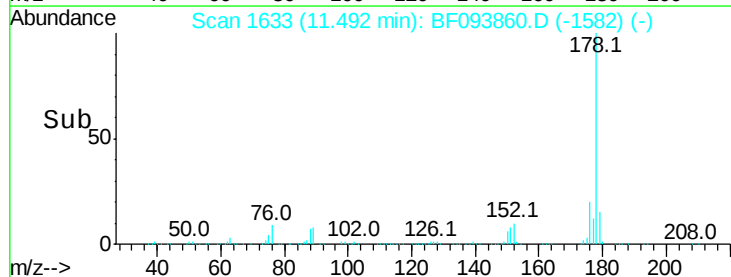
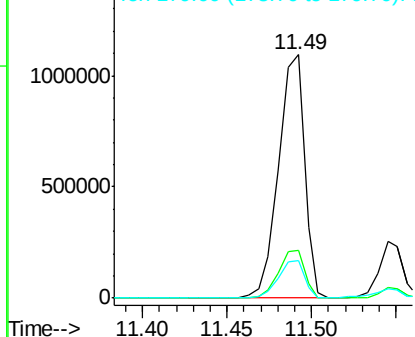


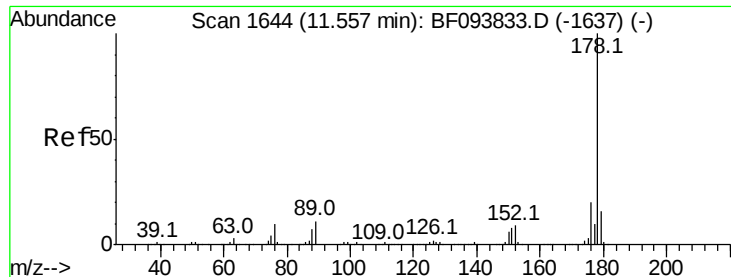
#70
Phenanthrene
Concen: 33.75 ng
RT: 11.49 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Tgt Ion:178 Resp: 1163268
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.4
179 15.5 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

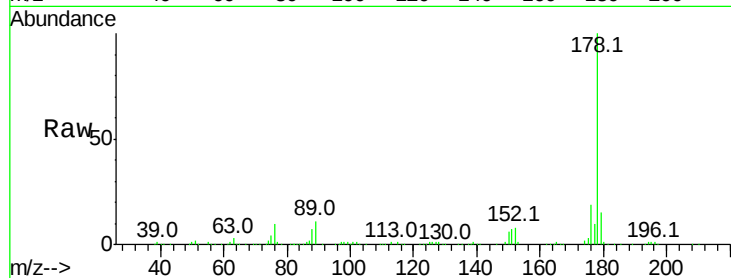




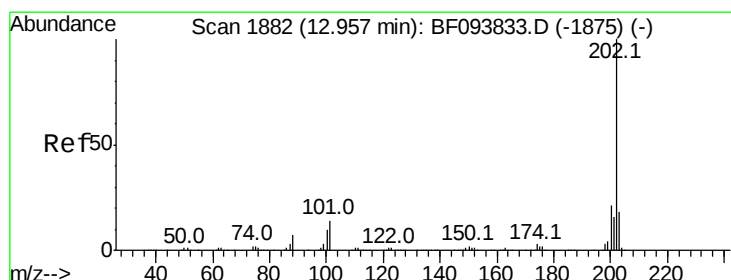
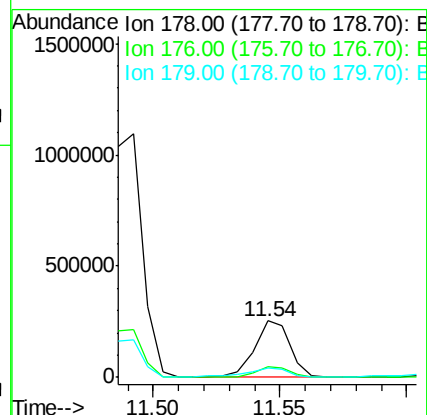
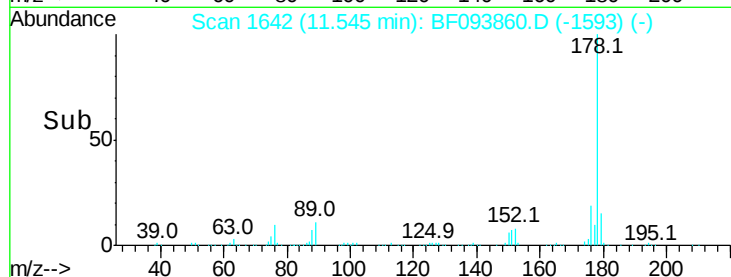
#71
 Anthracene
 Concen: 6.94 ng
 RT: 11.54 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BF093860.D
 Acq: 23 Mar 2017 4:30

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q14-BASE

Tot Ion:178 Resp: 246294
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.5 12.7 19.1

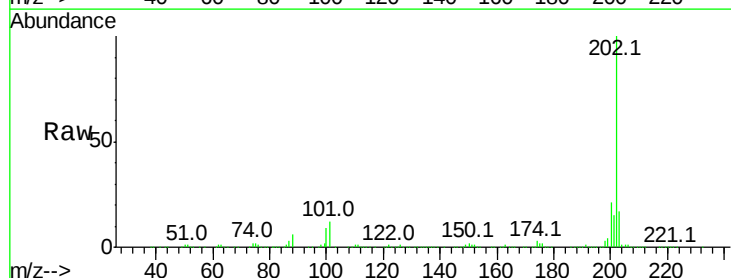


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

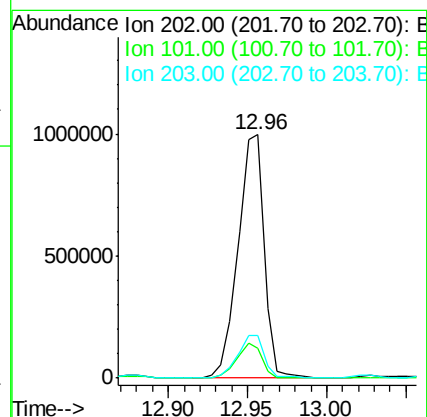
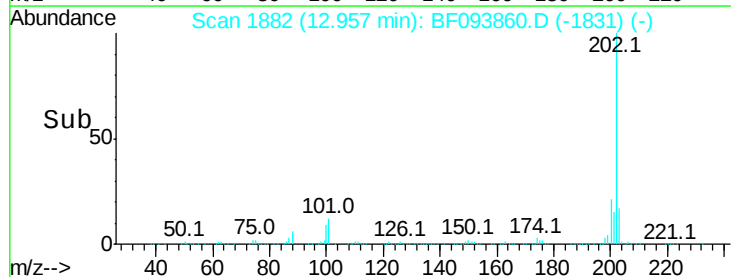


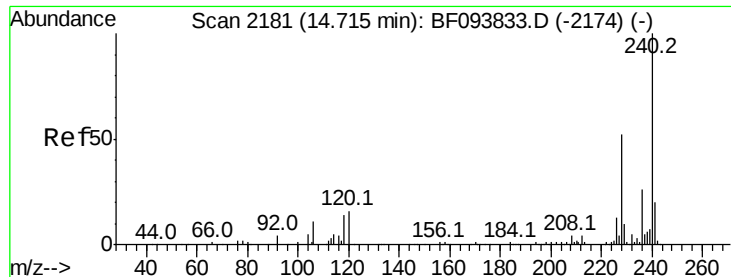
#74
 Fluoranthene
 Concen: 32.10 ng
 RT: 12.96 min Scan# 1882
 Delta R.T. -0.00 min
 Lab File: BF093860.D
 Acq: 23 Mar 2017 4:30

Tgt Ion:202 Resp: 1133122
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 33.2
 203 17.3 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: 14.71 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

Instrument :

BNA_F

ClientSampled :

E2-Q14-BASE

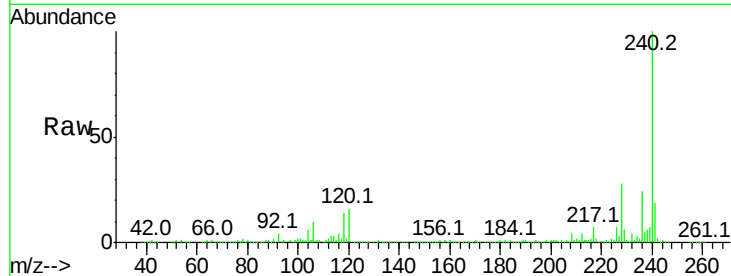
Tot Ion:240 Resp: 434685

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

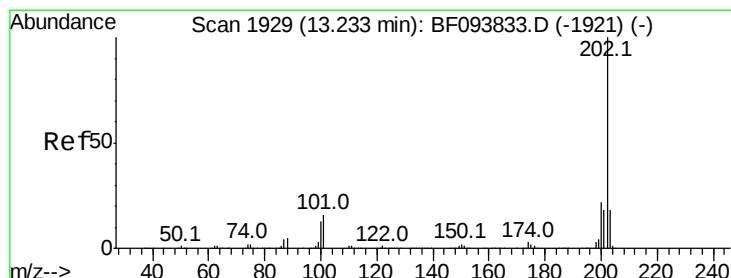
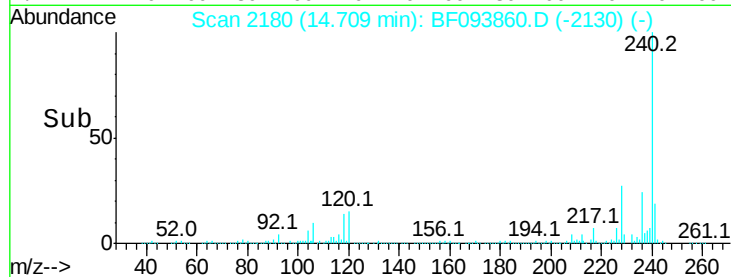
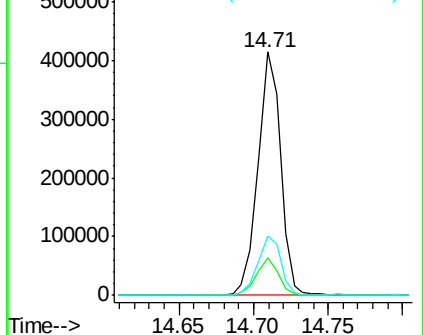
236 24.3 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 40.94 ng

RT: 13.23 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

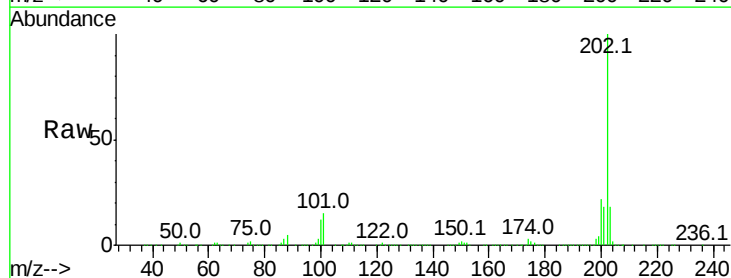
Tgt Ion:202 Resp: 1291623

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

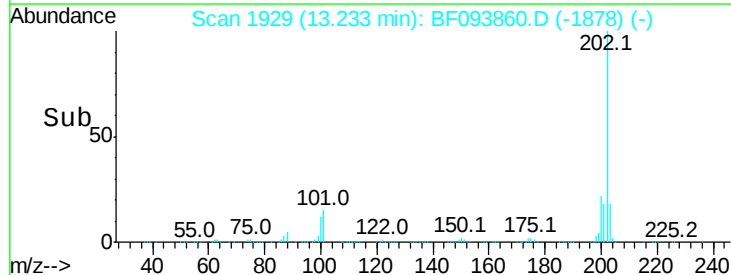
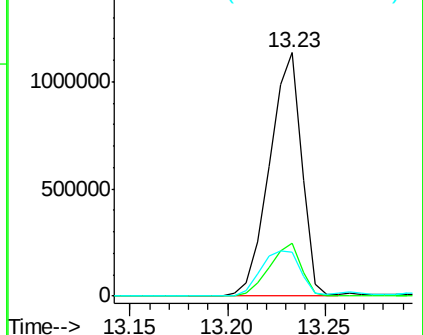
203 18.0 14.4 21.6

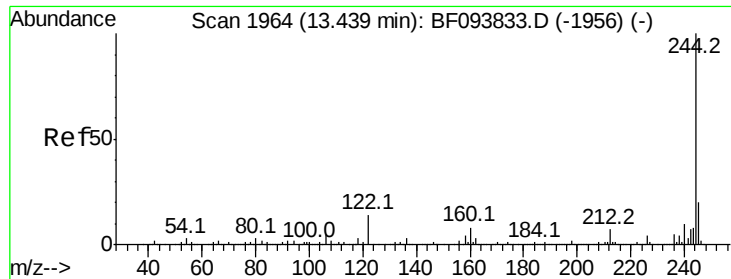


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

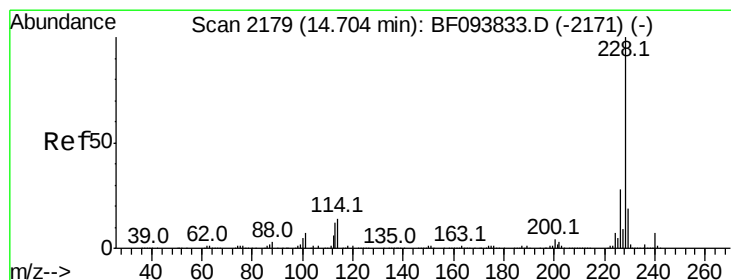
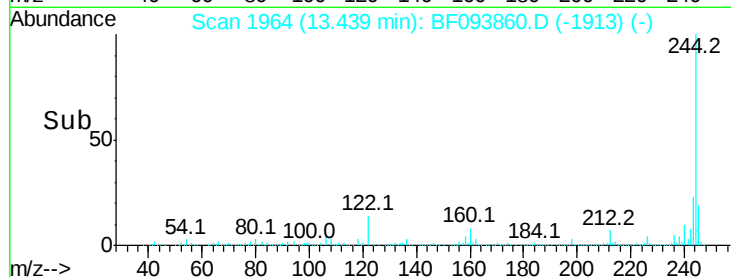
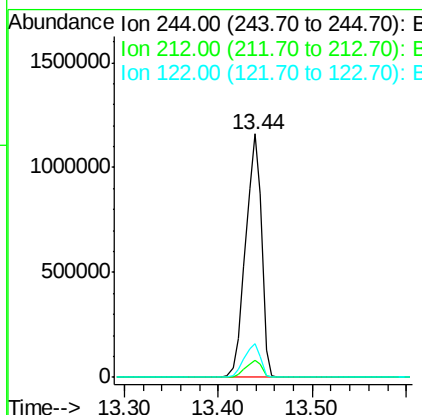
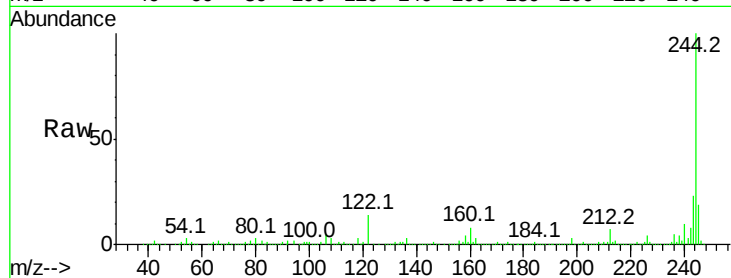




#78
 Terphenyl-d14
 Concen: 70.12 ng
 RT: 13.44 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: BF093860.D
 Acq: 23 Mar 2017 4:30

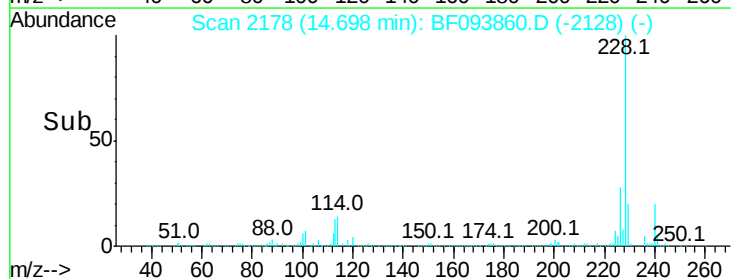
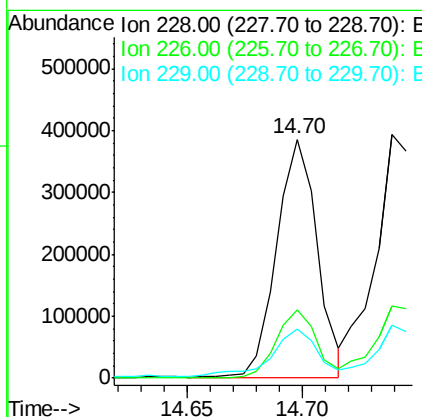
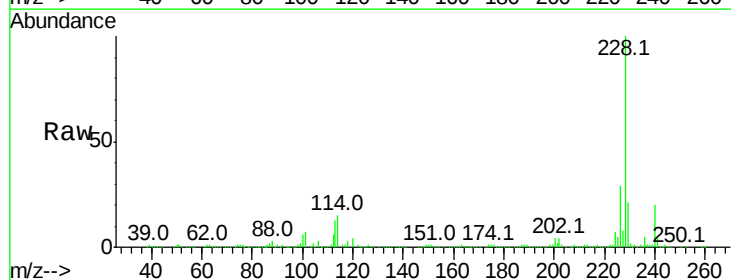
Instrument :
 BNA_F
 ClientSampleId :
 E2-Q14-BASE

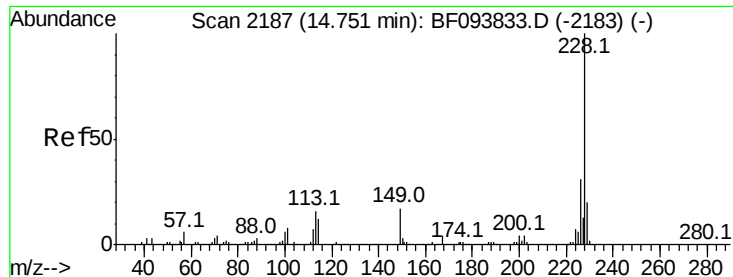
Tot Ion:244 Resp: 1359903
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 13.6 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 18.41 ng
 RT: 14.70 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: BF093860.D
 Acq: 23 Mar 2017 4:30

Tgt Ion:228 Resp: 466649
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.6 33.8
 229 20.6 16.3 24.5





#82

Chrysene

Concen: 19.66 ng

RT: 14.74 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

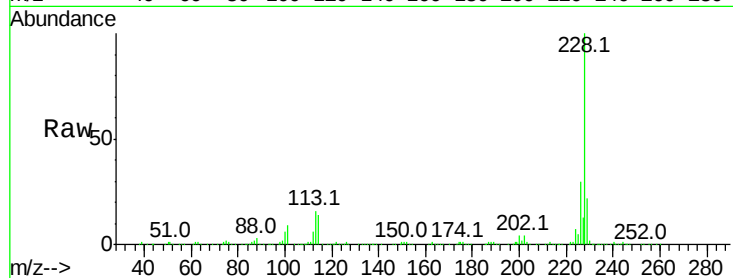
Tot Ion:228 Resp: 462439

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

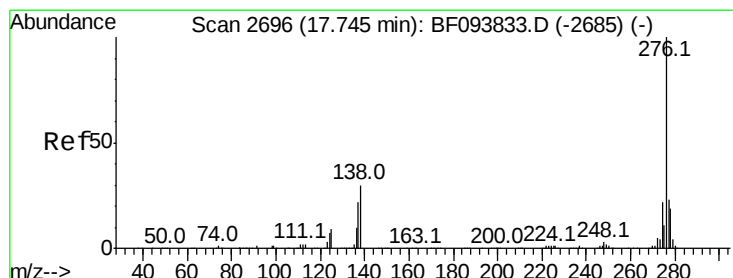
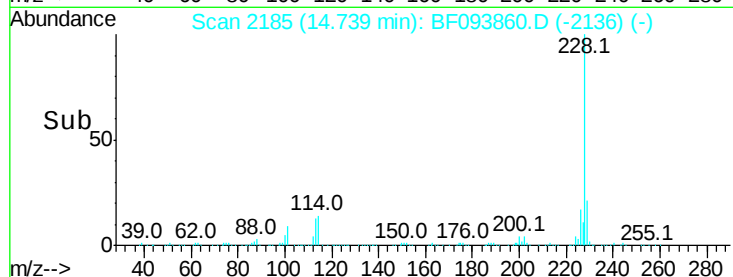
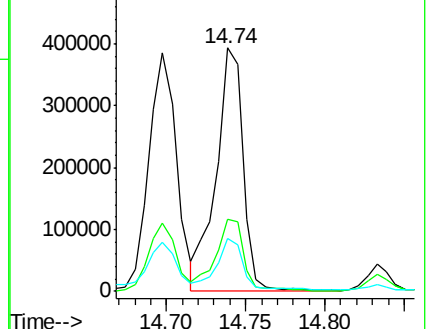
229 21.6 15.8 23.6



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: 6.17 ng

RT: 17.73 min Scan# 2693

Delta R.T. -0.02 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

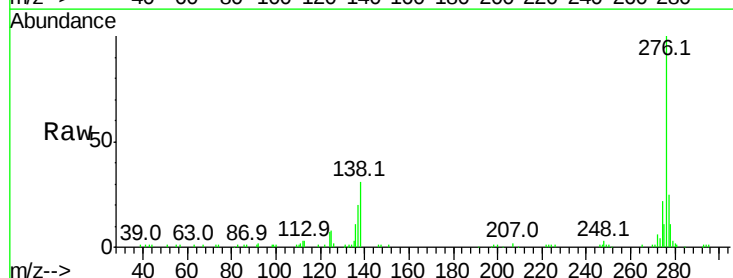
Tgt Ion:276 Resp: 125681

Ion Ratio Lower Upper

276 100

138 32.7 27.8 41.6

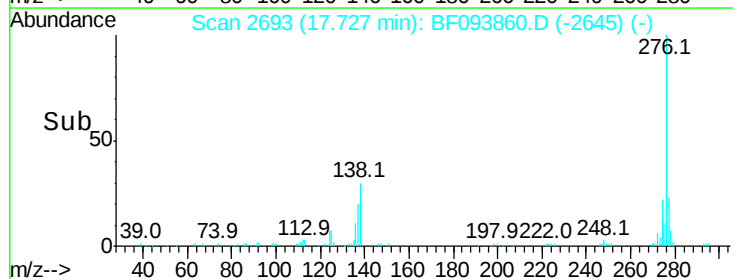
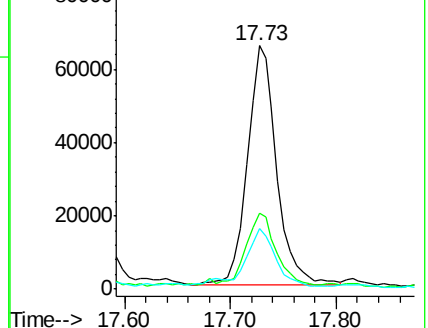
277 23.7 20.2 30.4

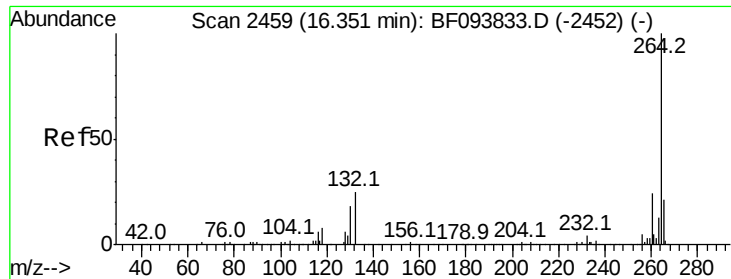


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

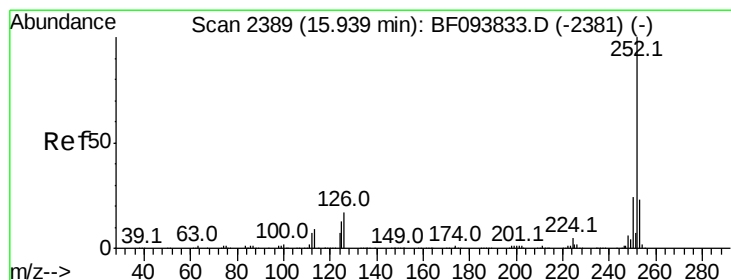
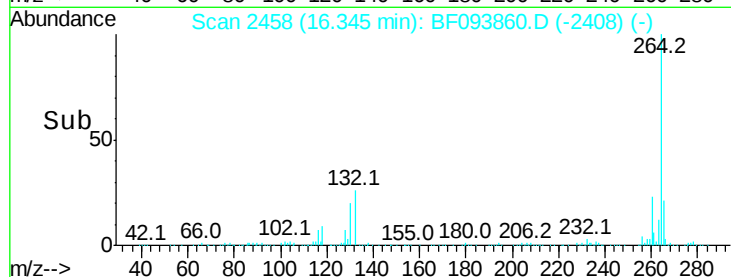
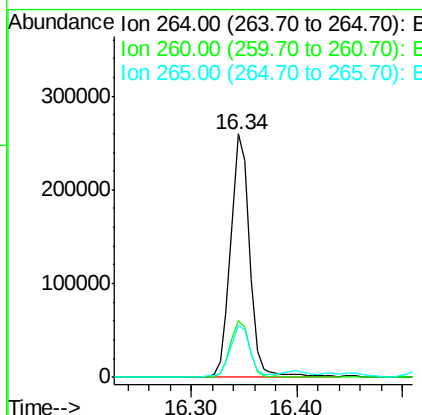
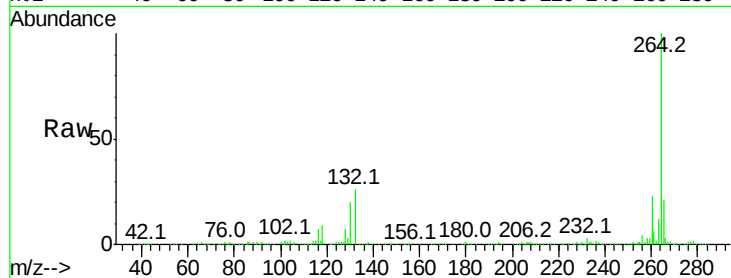




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.34 min Scan# 2458
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

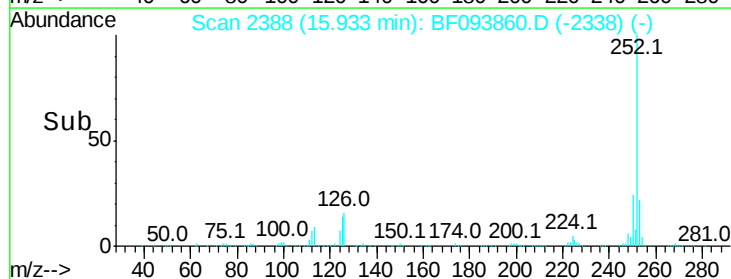
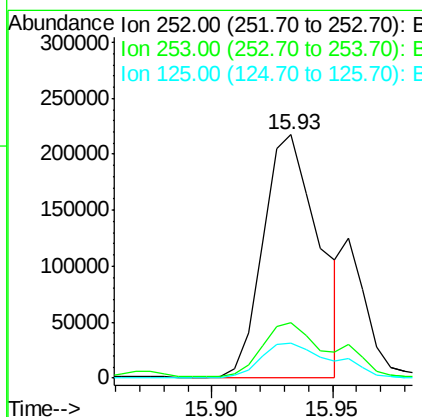
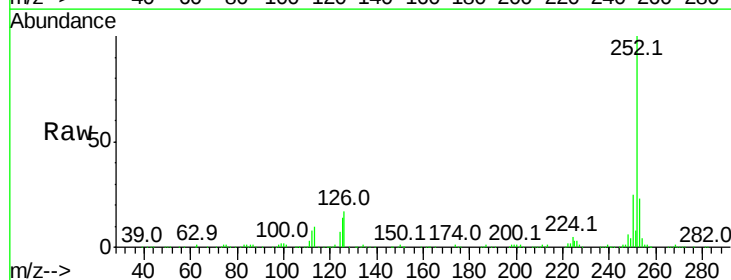
Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

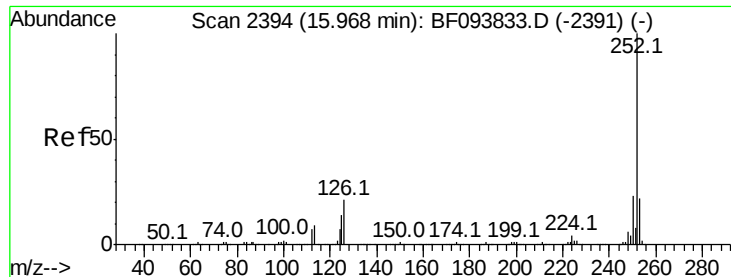
Tot Ion:264 Resp: 321559
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 21.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 17.58 ng m
RT: 15.93 min Scan# 2388
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Tgt Ion:252 Resp: 346417
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 14.2 9.8 14.8





#88

Benzo(k)fluoranthene

Concen: 4.81 ng

RT: 15.96 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

Instrument :

BNA_F

ClientSampled :

E2-Q14-BASE

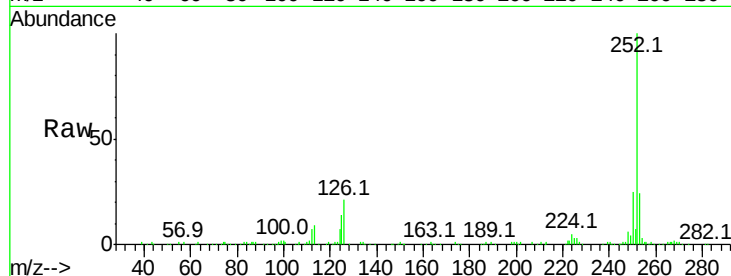
Tot Ion:252 Resp: 92858

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

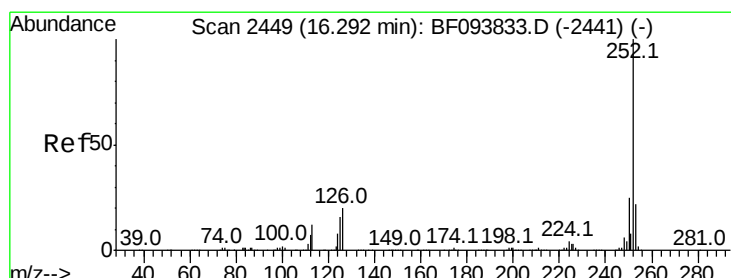
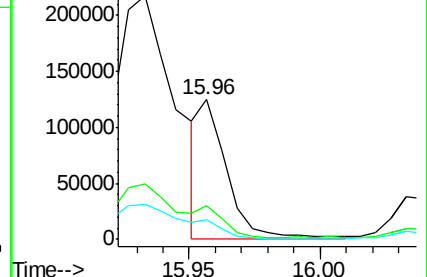
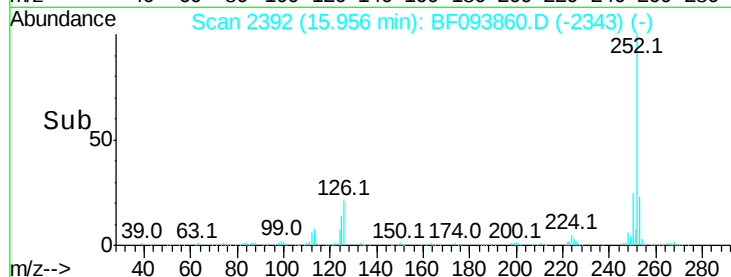
125 13.8 13.1 19.7



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: 14.38 ng

RT: 16.28 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

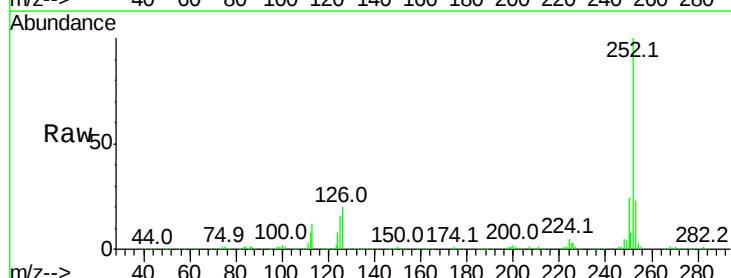
Tgt Ion:252 Resp: 261101

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

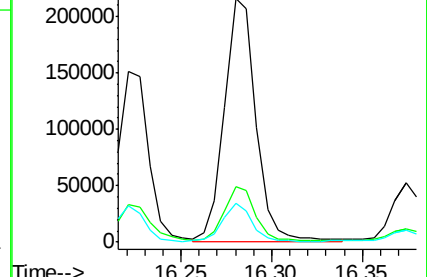
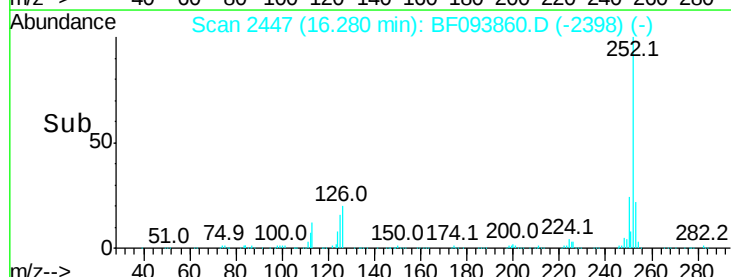
125 16.1 11.0 16.4

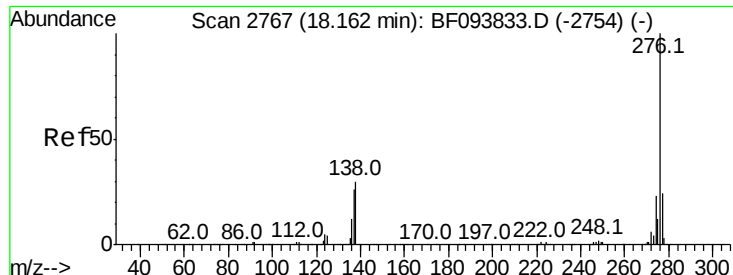


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 8.61 ng

RT: 18.14 min Scan# 2763

Delta R.T. -0.02 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

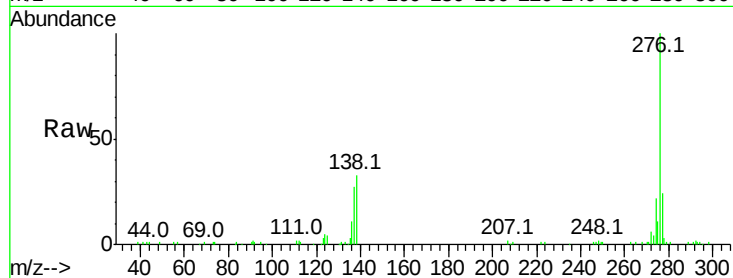
Tot Ion:276 Resp: 133453

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 32.6 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

