

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 06:47:54 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

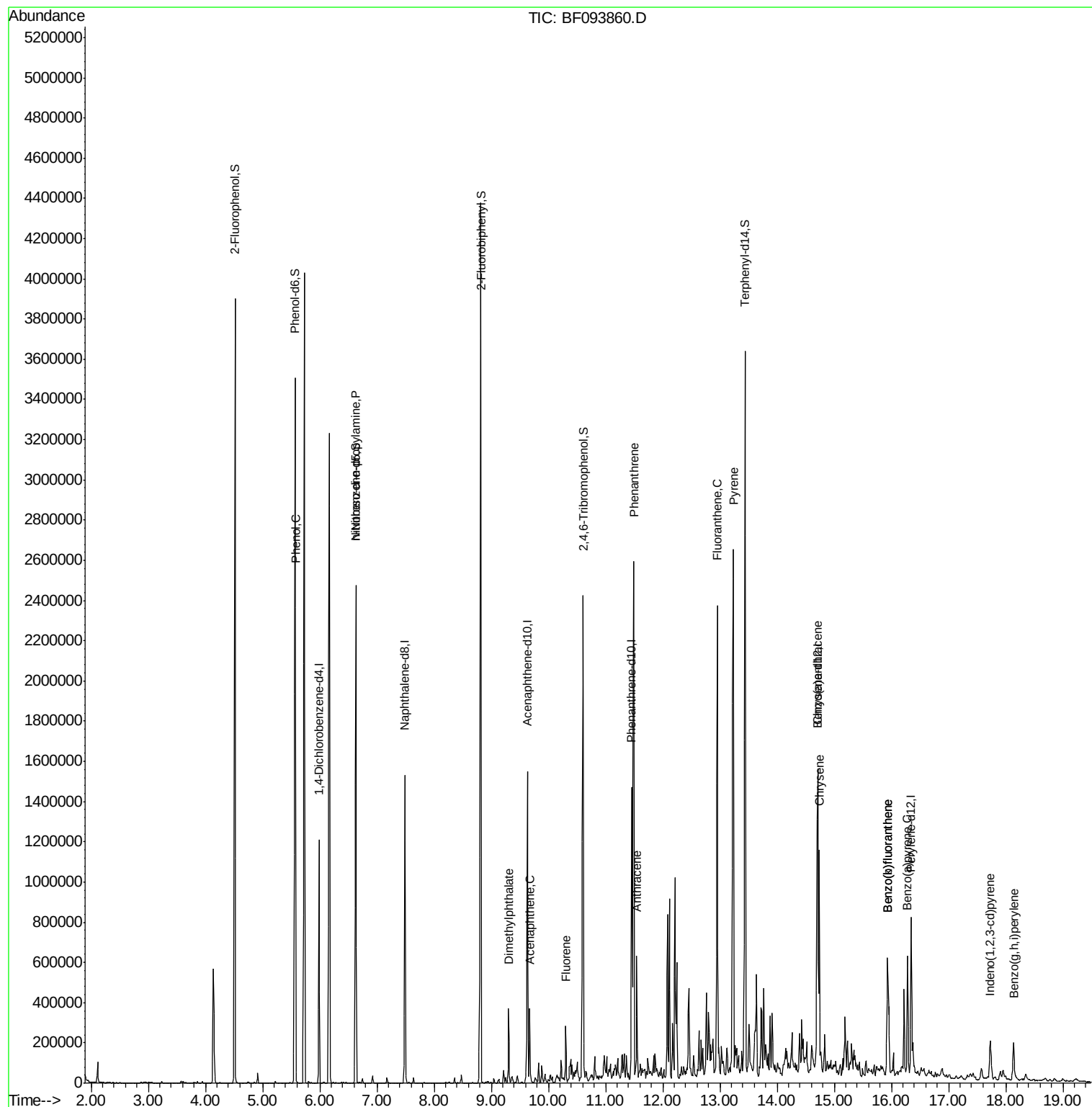
						Qvalue
10) Phenol	5.58	94	67823	4.15	ng	89
19) n-Nitroso-di-n-propylamine	6.63	70	132645	14.36	ng	# 77
49) Dimethylphthalate	9.30	163	153530	6.00	ng	98
51) Acenaphthene	9.67	154	78847	3.58	ng	99
57) Fluorene	10.30	166	74739	3.00	ng	95
70) Phenanthrene	11.49	178	1163268	33.75	ng	99
71) Anthracene	11.54	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	433961	22.02	ng	98
88) Benzo(k)fluoranthene	15.93	252	433961	22.50	ng	97
89) Benzo(a)pyrene	16.28	252	261101	14.38	ng	97
91) Benzo(g,h,i)perylene	18.14	276	133453	8.61	ng	98

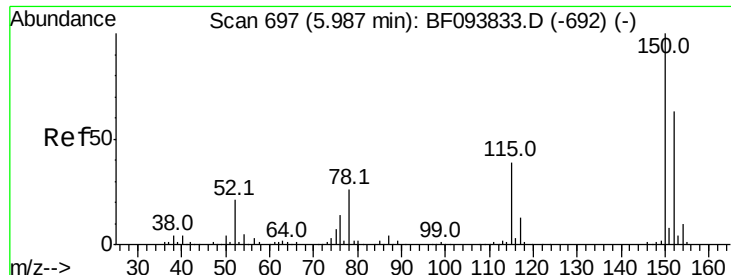
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 06:47:54 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





#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

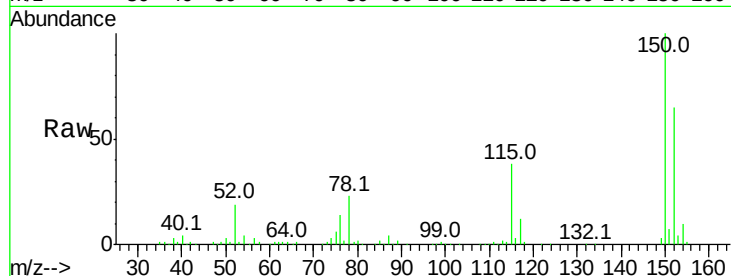
Tot Ion:152 Resp: 196204

Ion Ratio Lower Upper

152 100

150 154.0 126.2 189.2

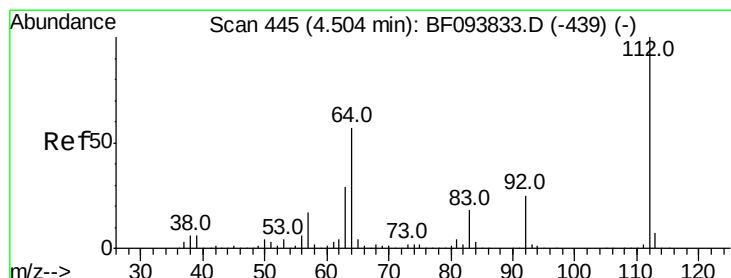
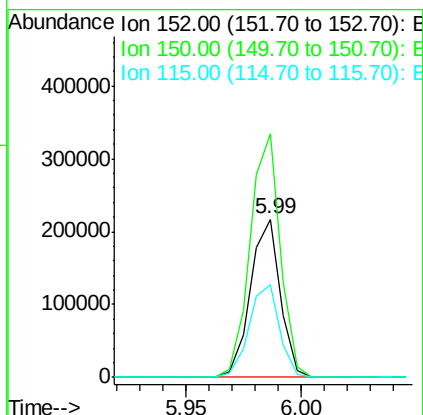
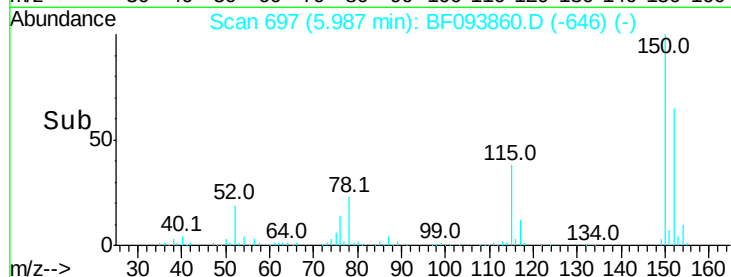
115 58.6 52.2 78.2



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

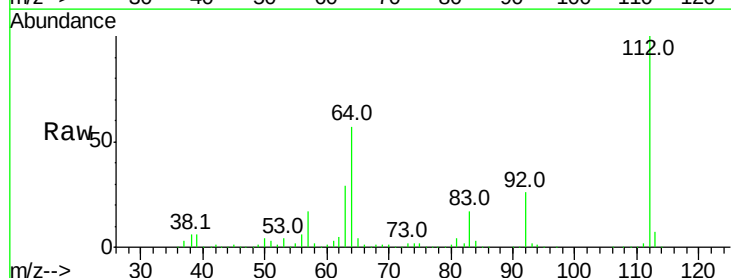
Tgt Ion:112 Resp: 1254491

Ion Ratio Lower Upper

112 100

64 57.3 46.0 69.0

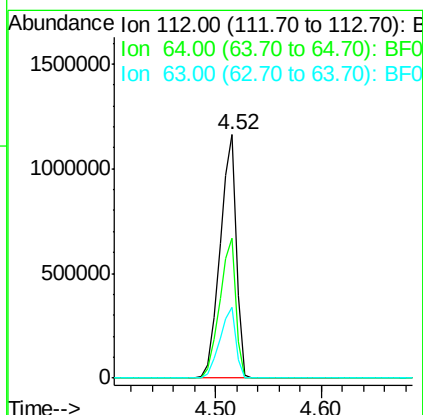
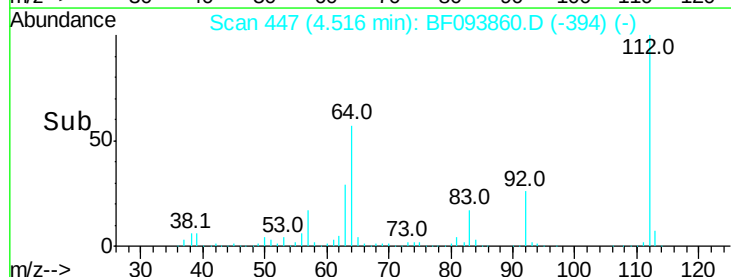
63 28.8 23.4 35.0

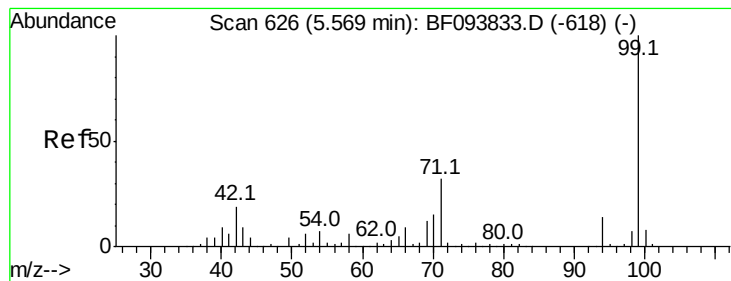


Abundance Ion 112.00 (111.70 to 112.70): E

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

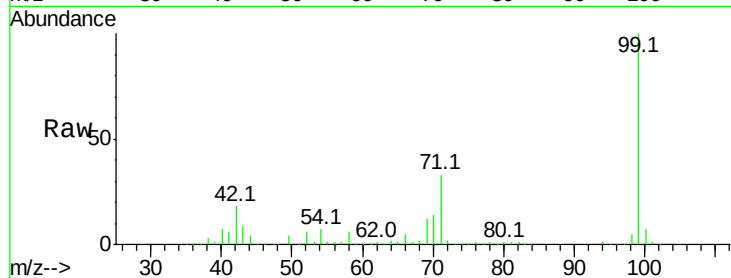
Tot Ion: 99 Resp: 1608720

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

99 100

42 18.2 13.5 20.3

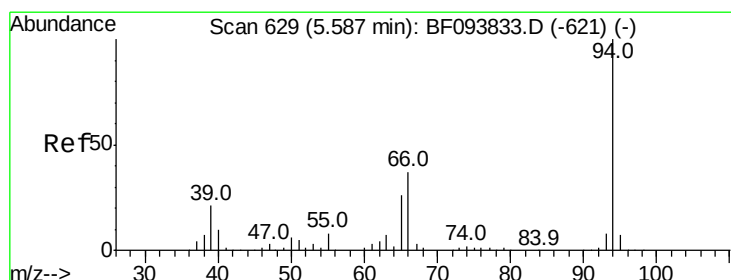
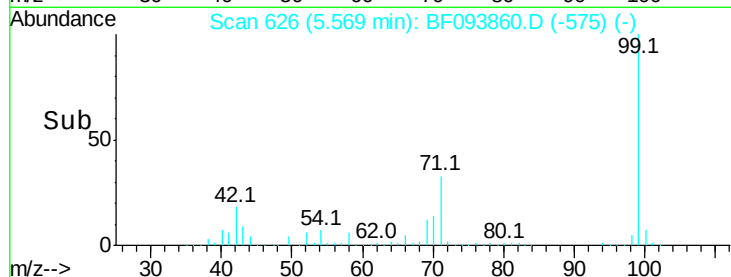
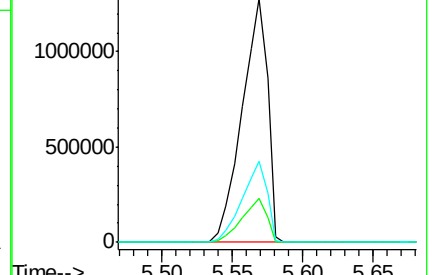
71 33.4 24.5 36.7



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

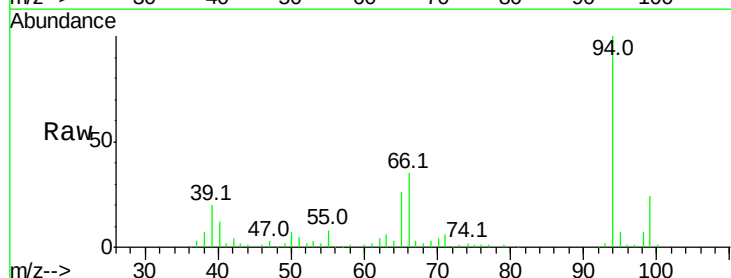
Tgt Ion: 94 Resp: 67823

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

94 100

65 25.5 9.9 49.9

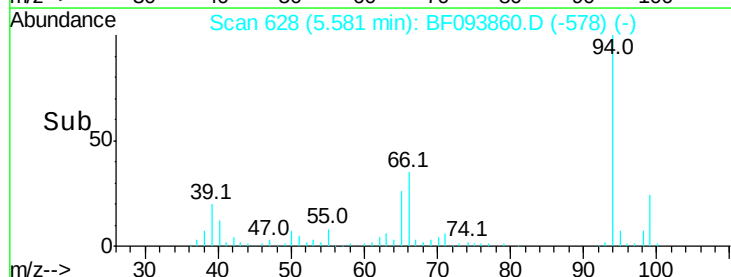
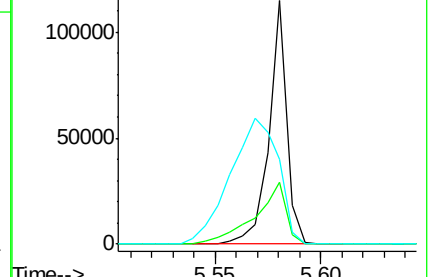
66 34.7 23.1 63.1

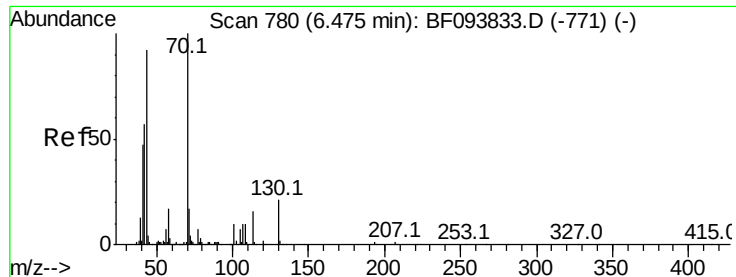


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 14.36 ng

RT: 6.63 min Scan# 807

Delta R.T. 0.16 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

Tot Ion: 70 Resp: 132645

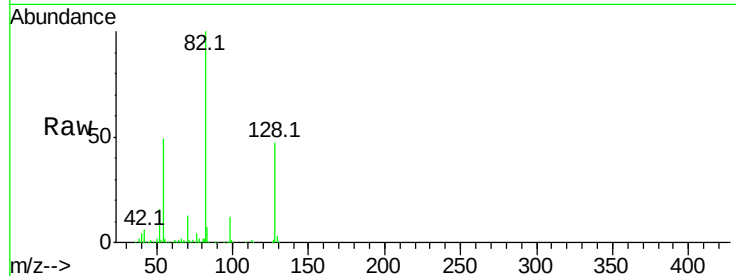
Ion Ratio Lower Upper

70 100

42 46.3 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

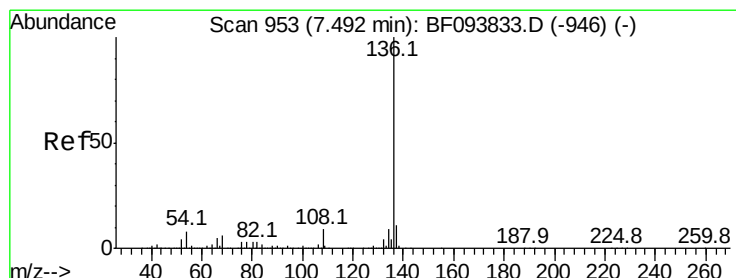
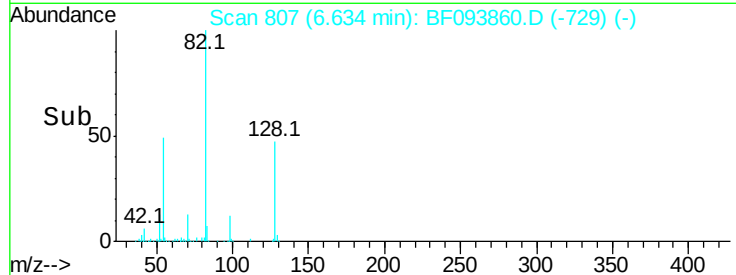
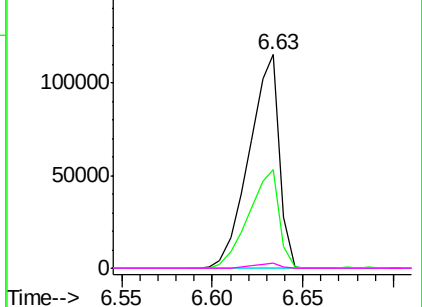


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.49 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

Tgt Ion: 136 Resp: 788265

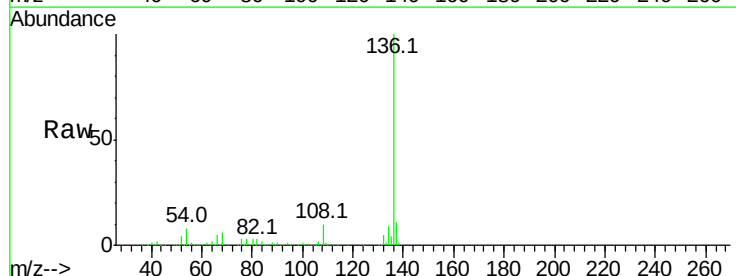
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.9 4.9 7.3#

68 6.1 4.1 6.1#

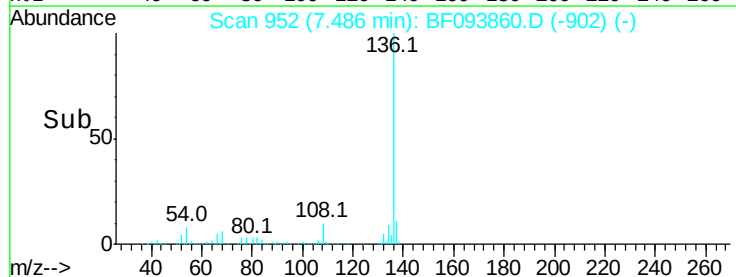
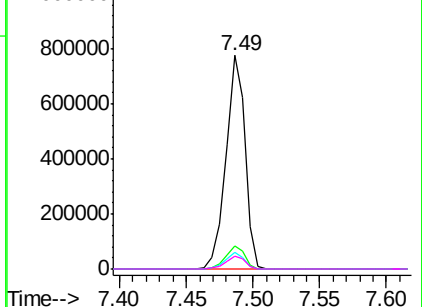


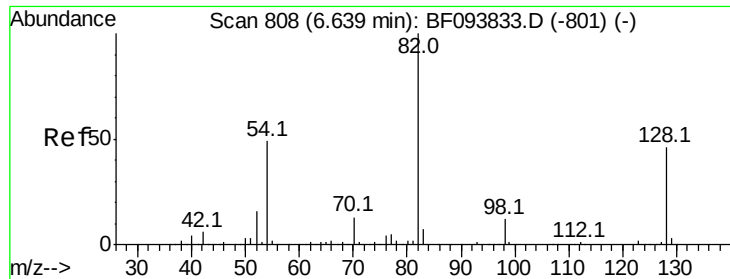
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

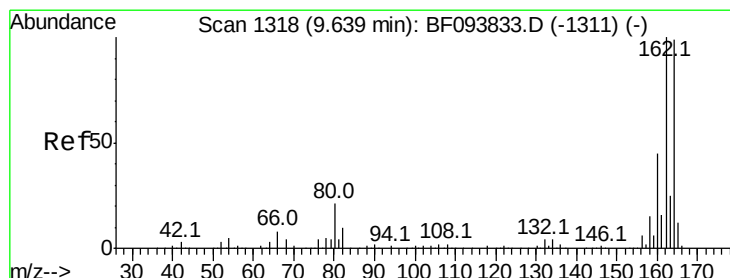
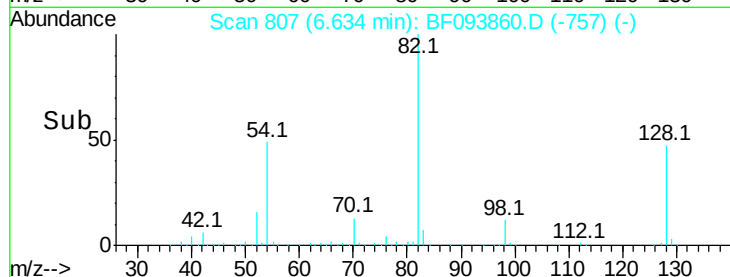
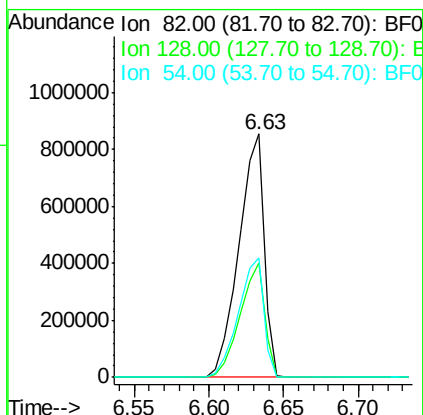
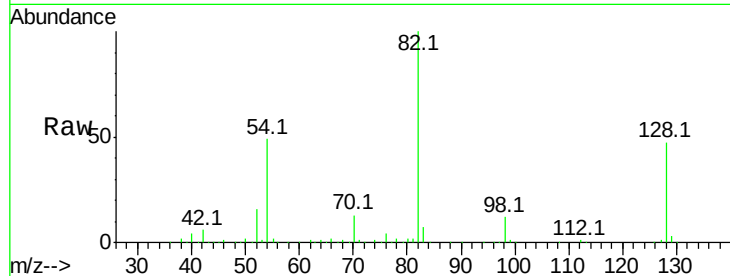




#23
Nitrobenzene-d5
Concen: 72.64 ng
RT: 6.63 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

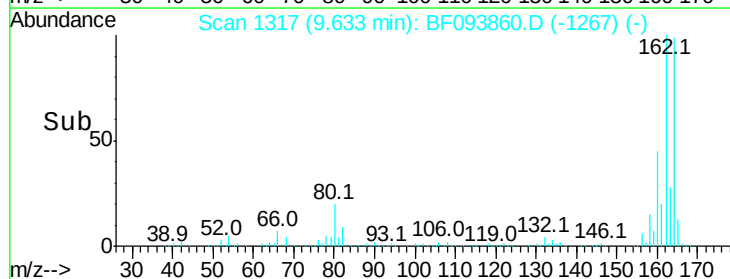
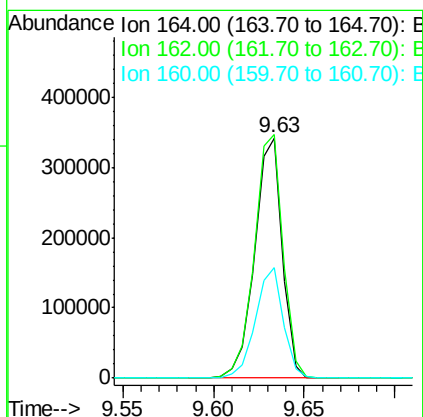
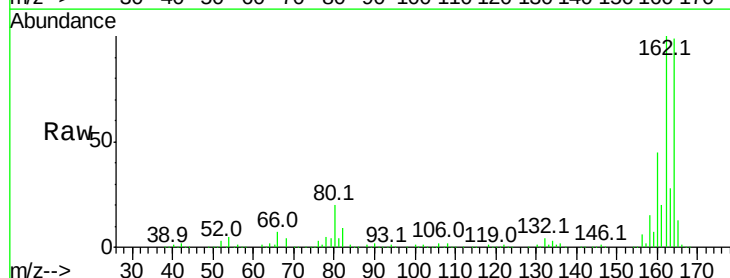
Instrument :
BNA_F
ClientSampled :
E2-Q14-BASE

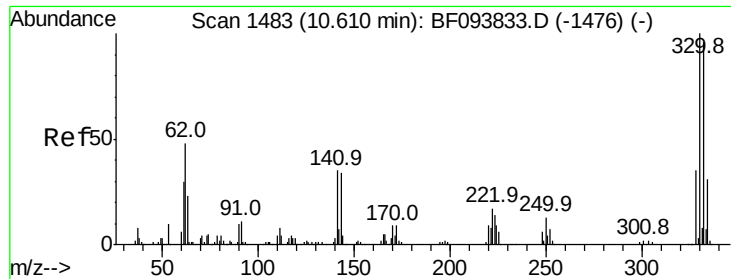
Tot Ion: 82 Resp: 1003346
Ion Ratio Lower Upper
82 100
128 47.1 34.0 51.0
54 49.3 42.2 63.2



#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

Tgt Ion:164 Resp: 359923
Ion Ratio Lower Upper
164 100
162 101.4 82.6 123.8
160 46.1 36.2 54.2

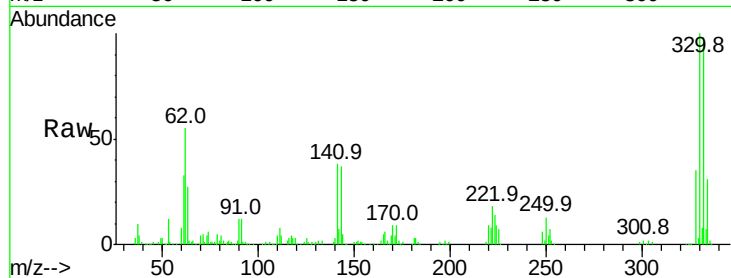




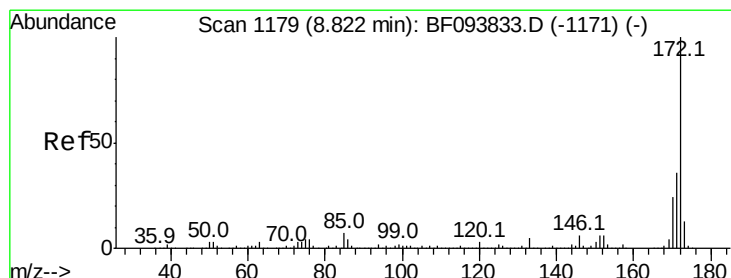
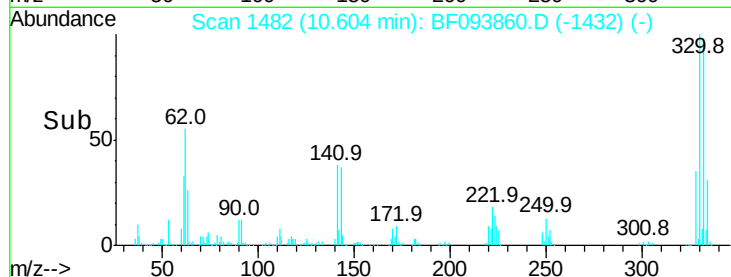
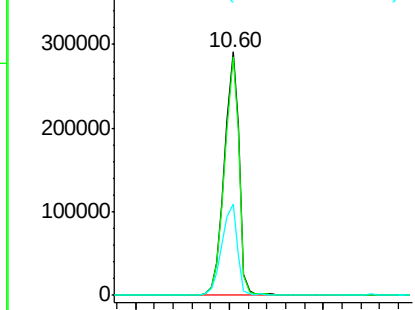
#41
 2,4,6-Tribromophenol
 Concen: 112.95 ng
 RT: 10.60 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF093860.D
 Acq: 23 Mar 2017 4:30

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q14-BASE

Tot Ion:330 Resp: 321251
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 39.8 31.4 47.2

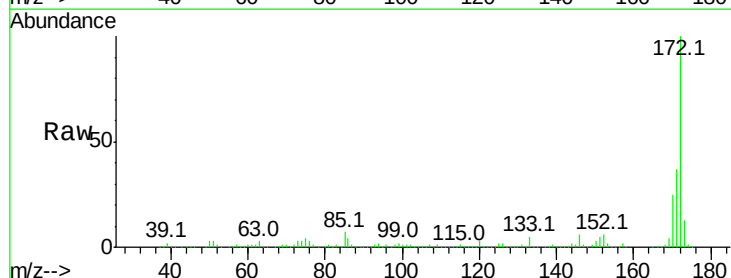


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

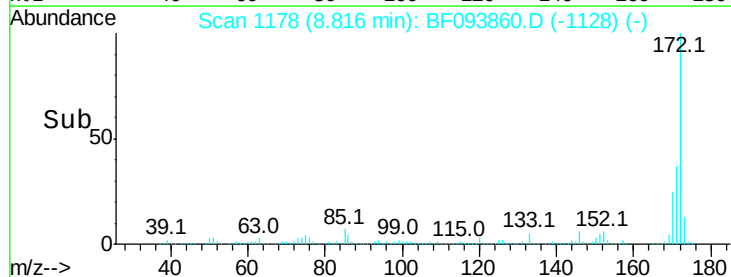
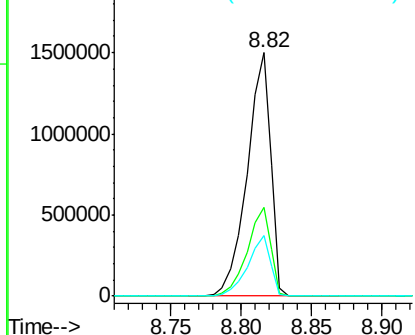


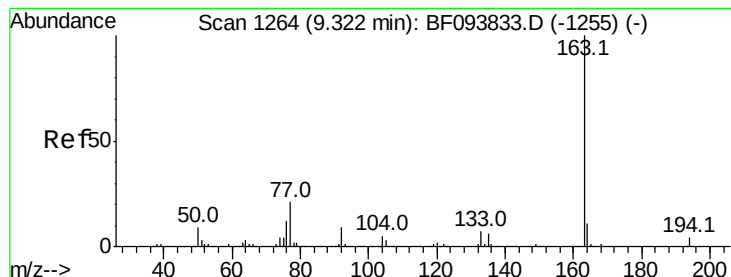
#44
 2-Fluorobiphenyl
 Concen: 74.24 ng
 RT: 8.82 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF093860.D
 Acq: 23 Mar 2017 4:30

Tgt 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

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

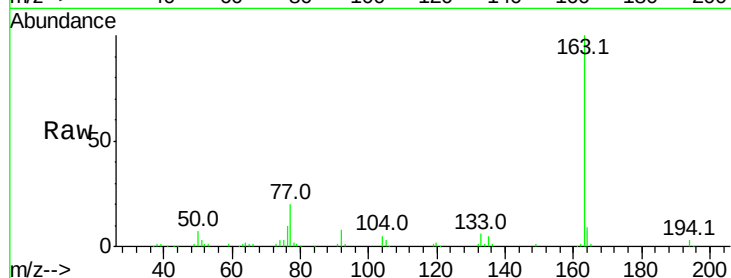
Tot Ion:163 Resp: 153530

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

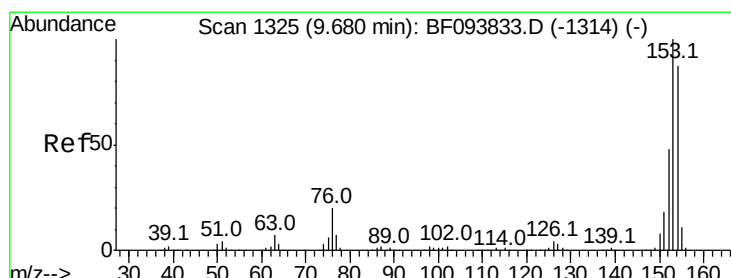
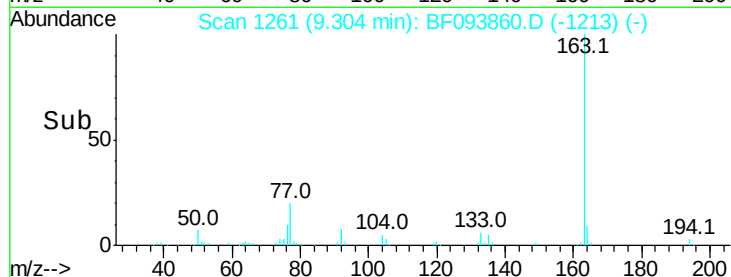
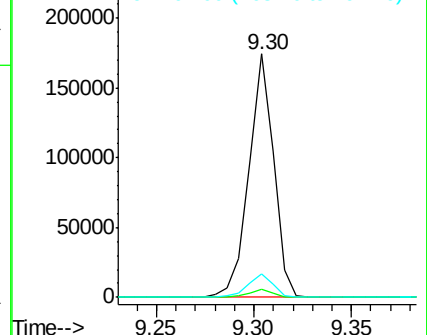
164 9.5 8.4 12.6



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

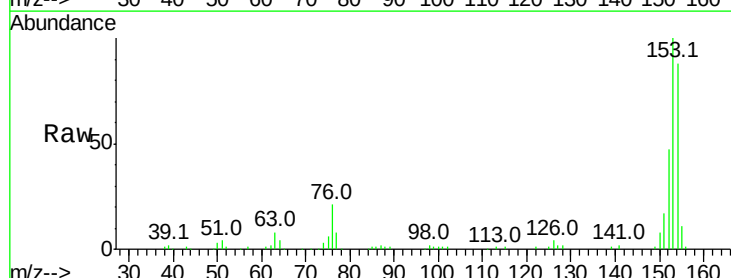
Tgt Ion:154 Resp: 78847

Ion Ratio Lower Upper

154 100

153 114.1 90.5 135.7

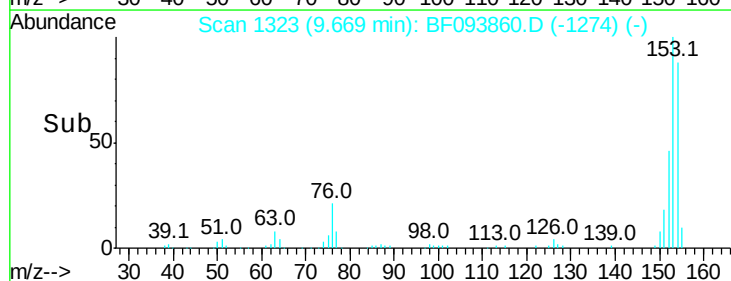
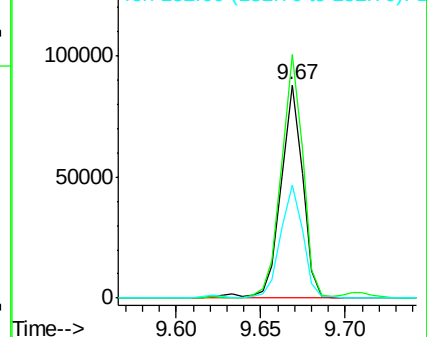
152 53.1 43.6 65.4

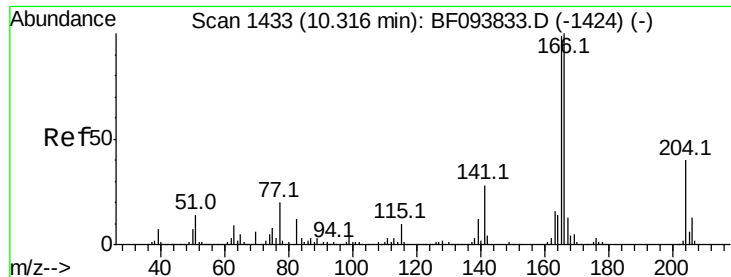


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

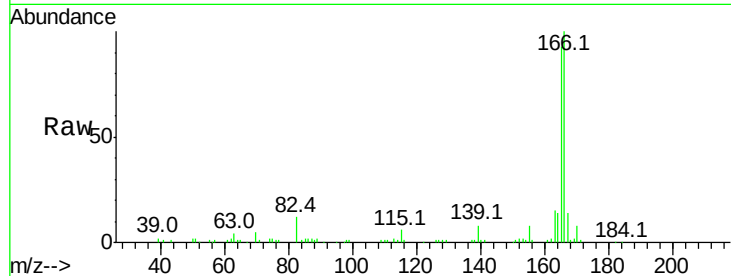




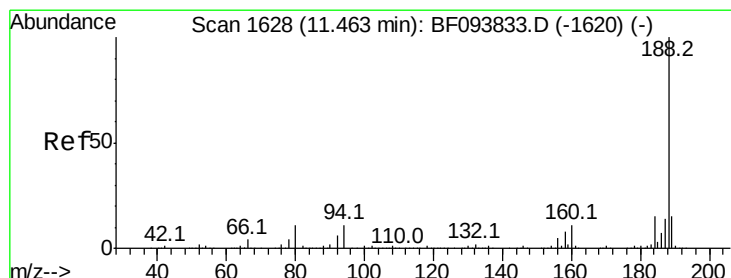
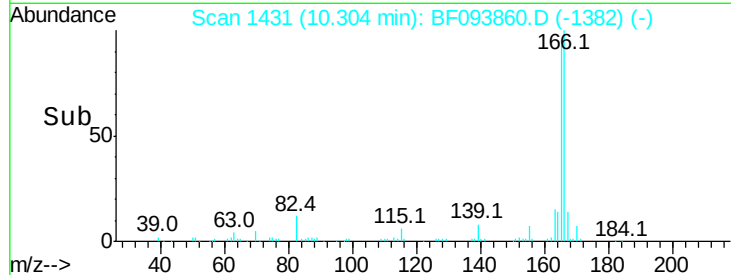
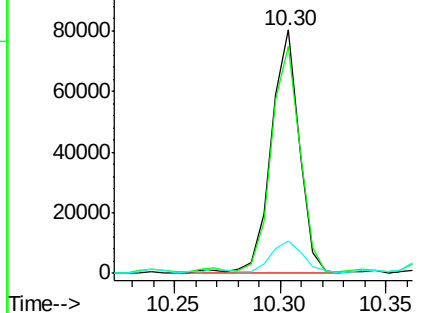
#57
Fluorene
 Concen: 3.00 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF093860.D
 Acq: 23 Mar 2017 4:30

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q14-BASE

Tot Ion:166 Resp: 74739
 Ion Ratio Lower Upper
 166 100
 165 93.5 78.8 118.2
 167 13.5 10.6 16.0

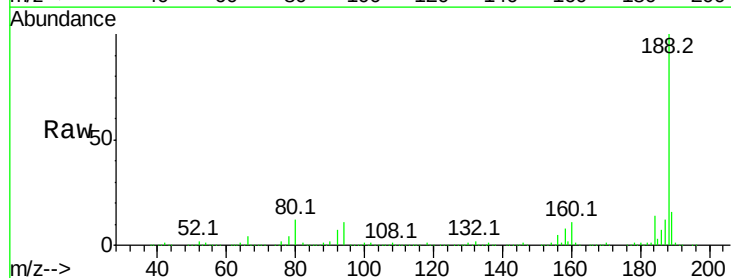


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

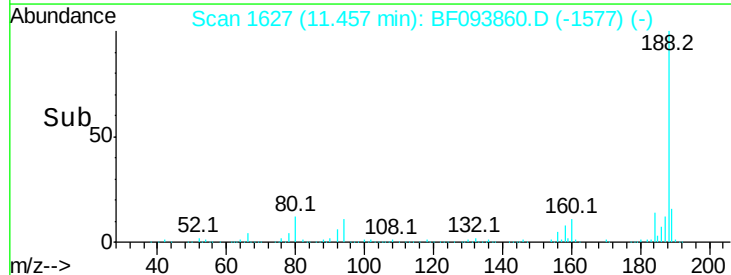
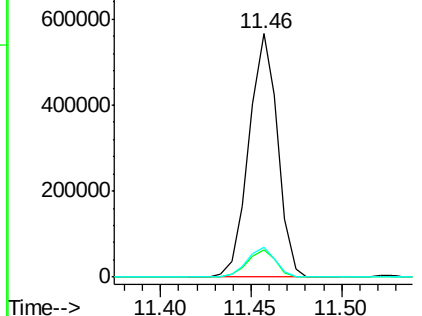


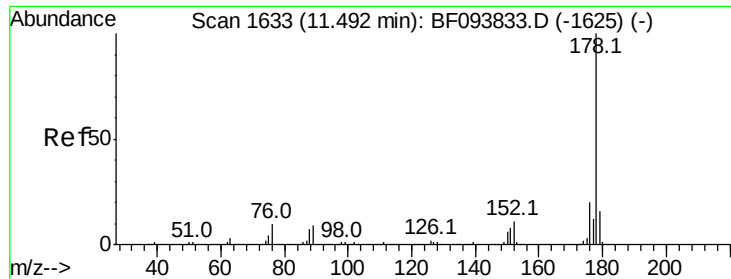
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: BF093860.D
 Acq: 23 Mar 2017 4:30

Tgt 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

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

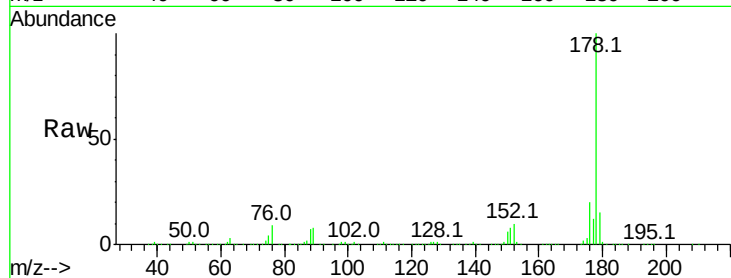
Tot Ion:178 Resp: 1163268

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

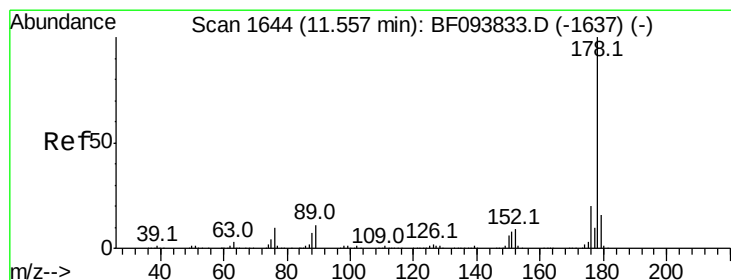
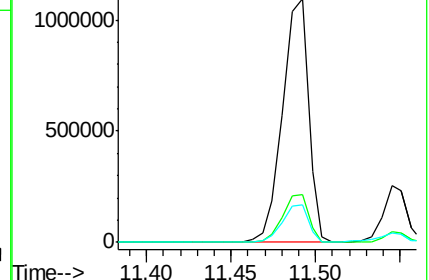
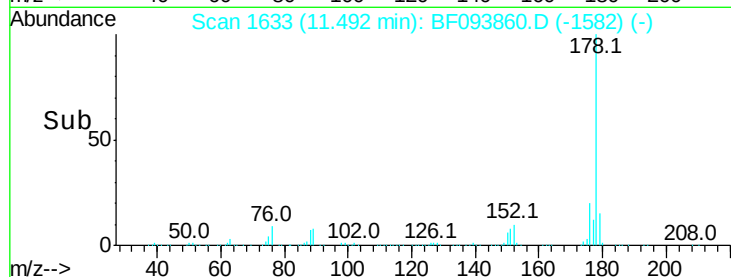
179 15.5 12.6 19.0



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

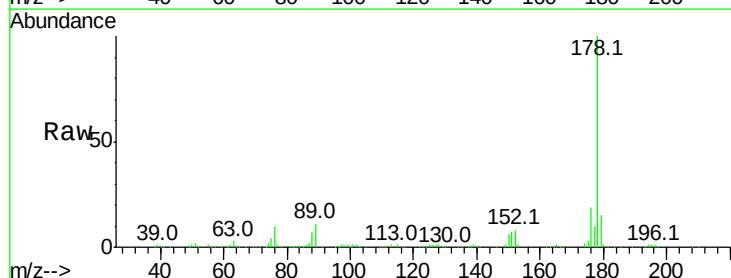
Tgt Ion:178 Resp: 246294

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

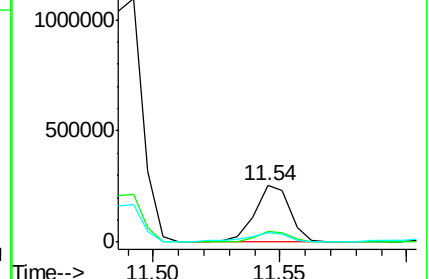
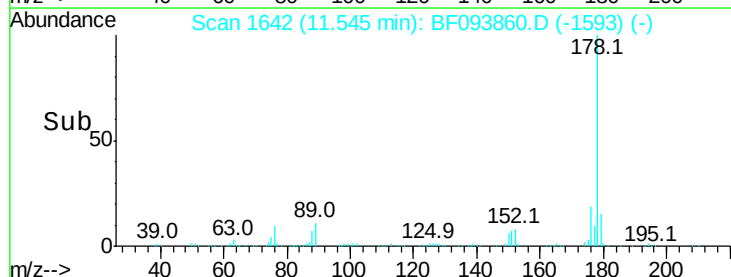
179 15.5 12.7 19.1

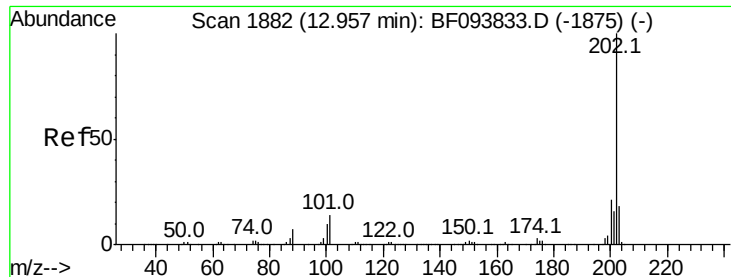


Abundance Ion 178.00 (177.70 to 178.70): E

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

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

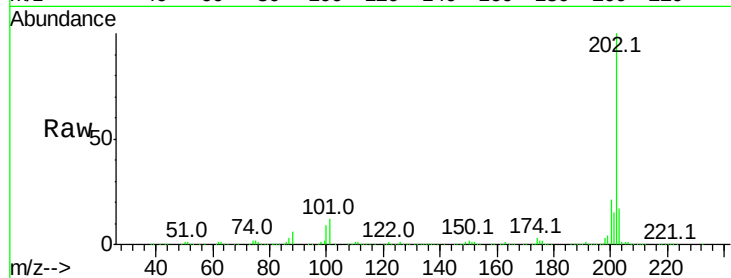
Tot Ion:202 Resp: 1133122

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

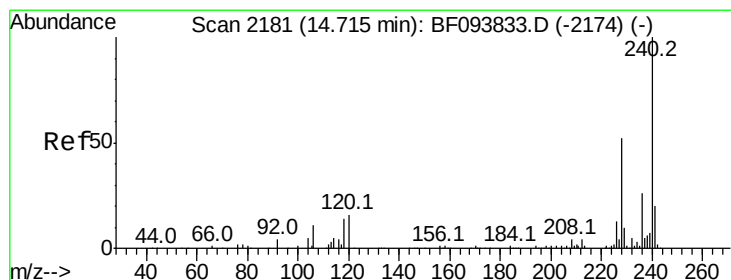
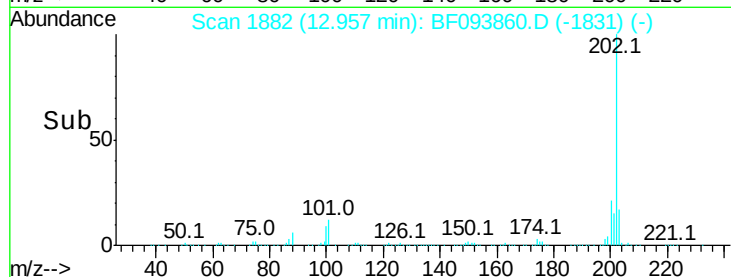
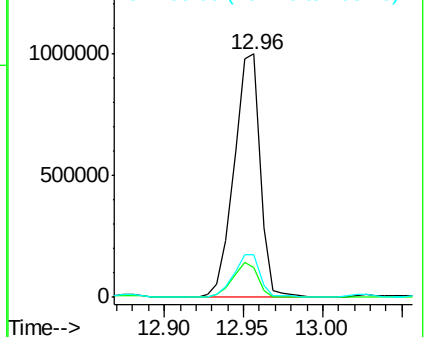
203 17.3 0.0 38.1



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

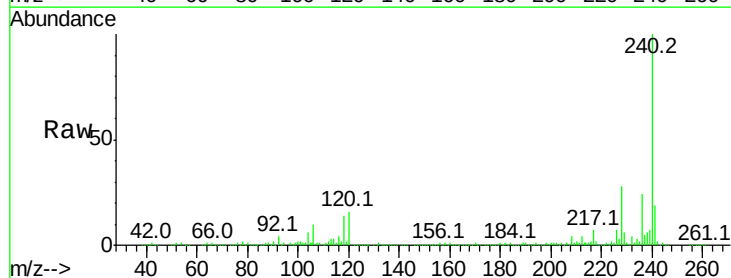
Tgt Ion:240 Resp: 434685

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

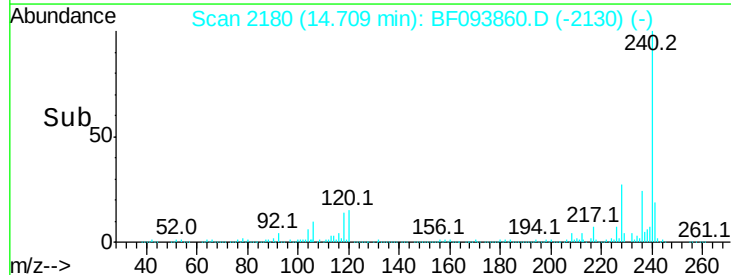
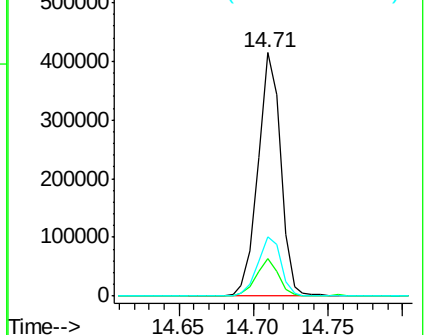
236 24.3 20.5 30.7

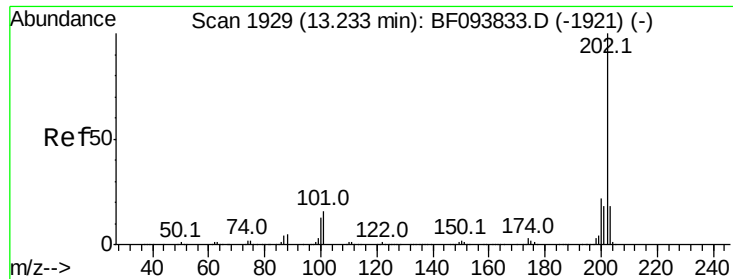


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

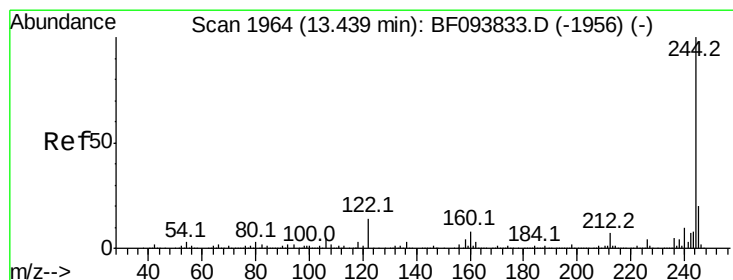
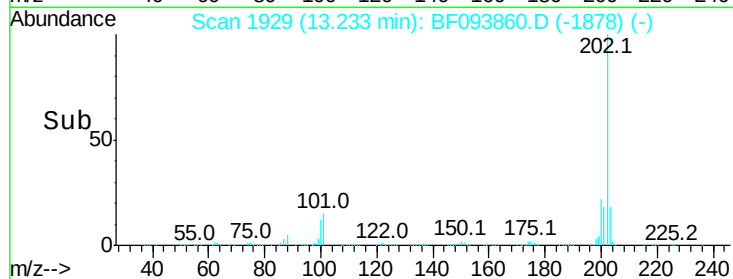
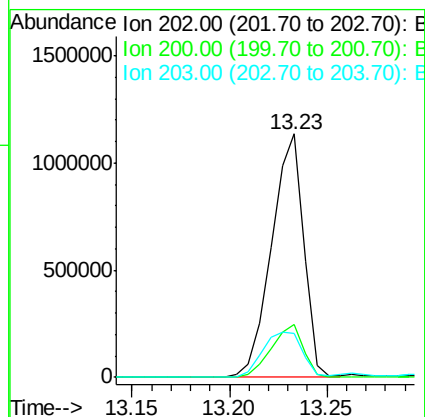
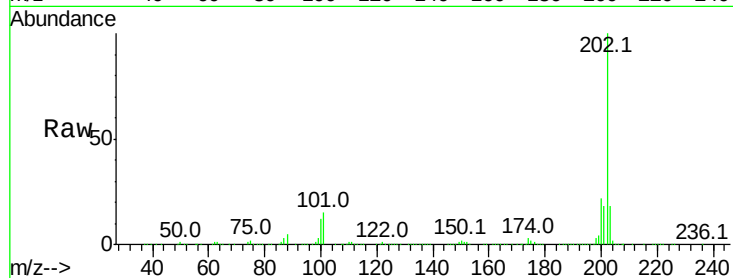




#77
Pvrene
Concen: 40.94 ng
RT: 13.23 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

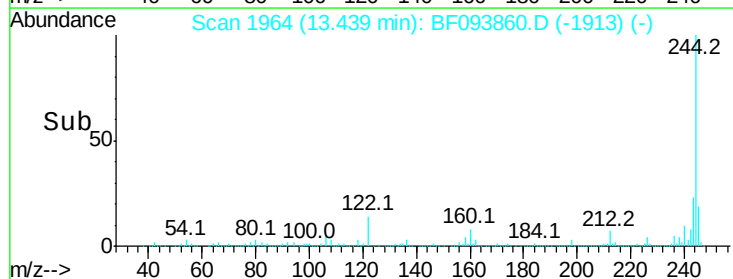
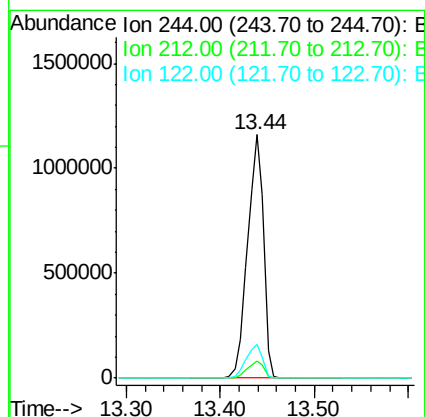
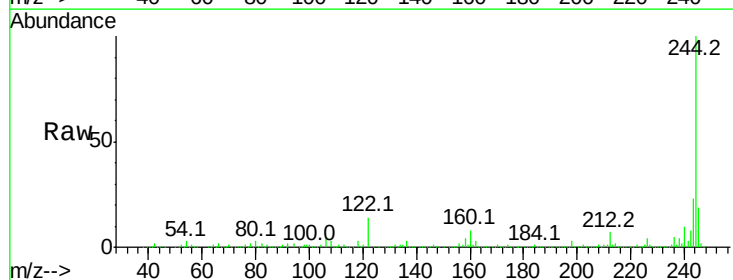
Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

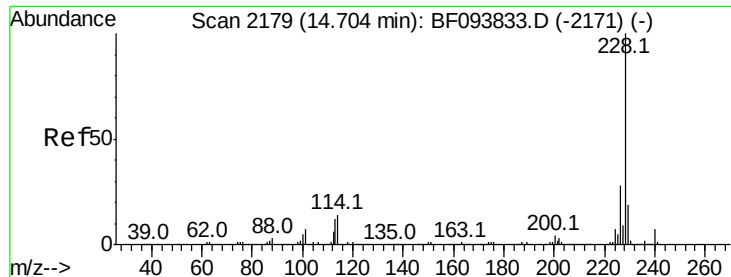
Tot Ion:202 Resp: 1291623
Ion Ratio Lower Upper
202 100
200 21.5 17.6 26.4
203 18.0 14.4 21.6



#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

Tgt 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

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

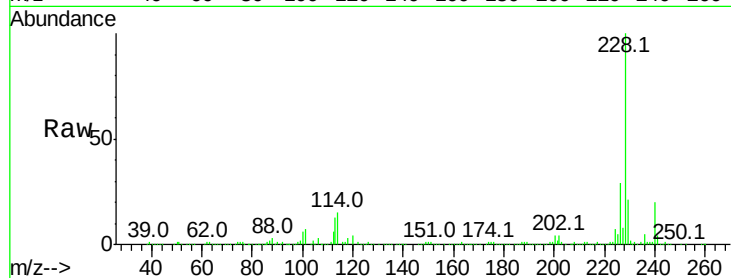
Tot Ion:228 Resp: 466649

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

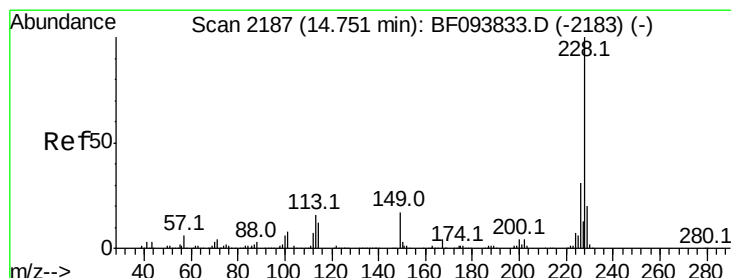
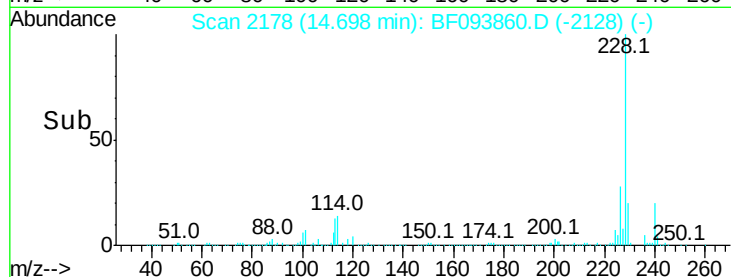
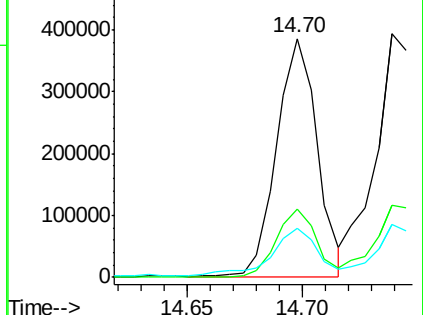
229 20.6 16.3 24.5



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: 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

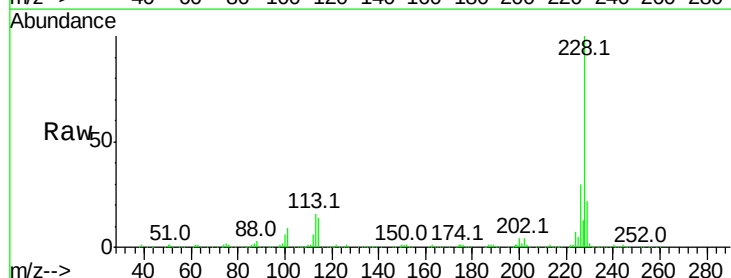
Tgt Ion:228 Resp: 462439

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

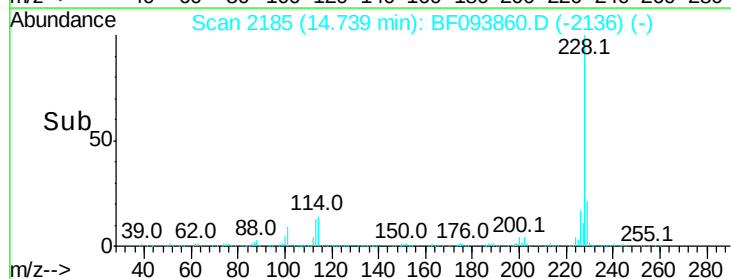
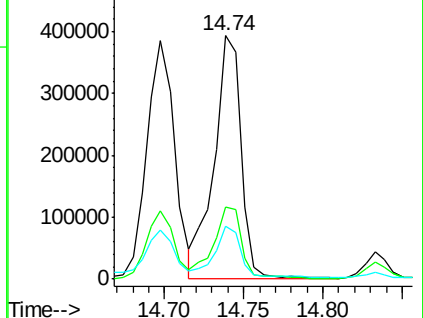
229 21.6 15.8 23.6

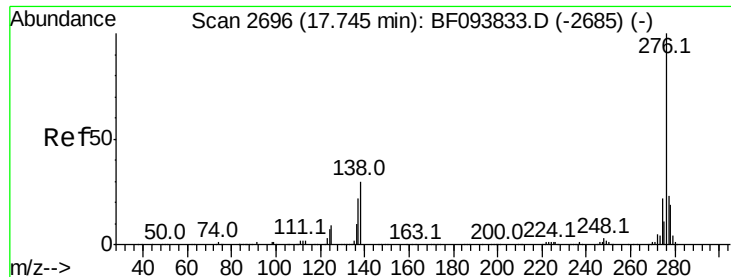


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

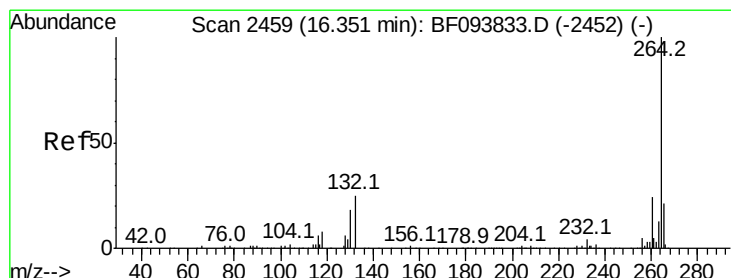
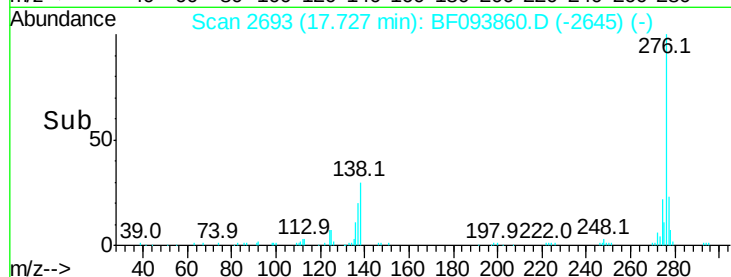
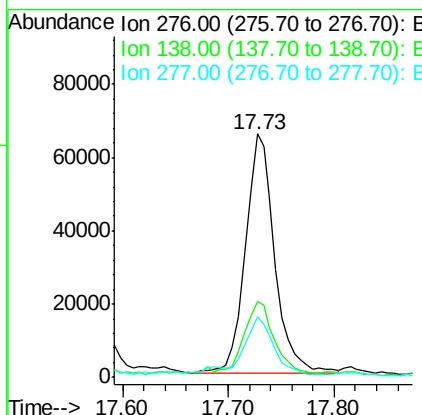
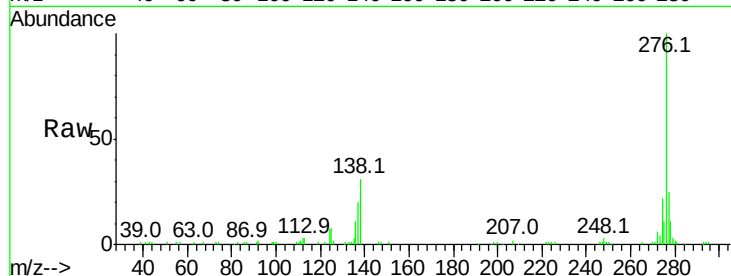




#85
Indeno(1,2,3-cd)pyrene
Concen: 6.17 ng
RT: 17.73 min Scan# 2693
Delta R.T. -0.02 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

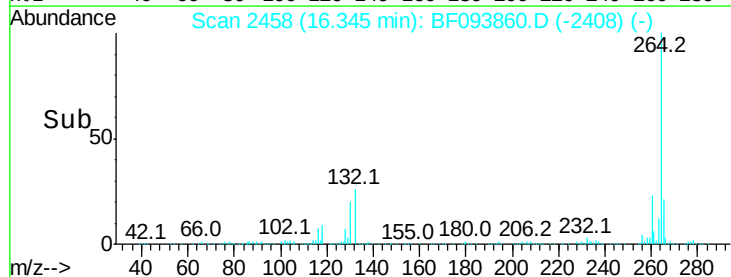
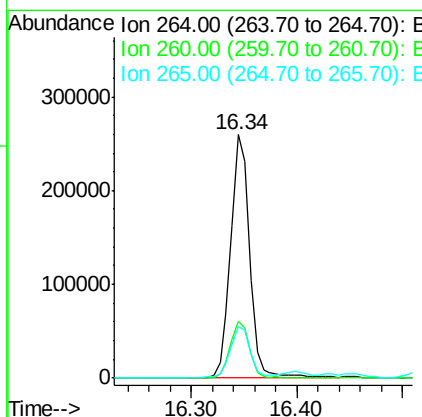
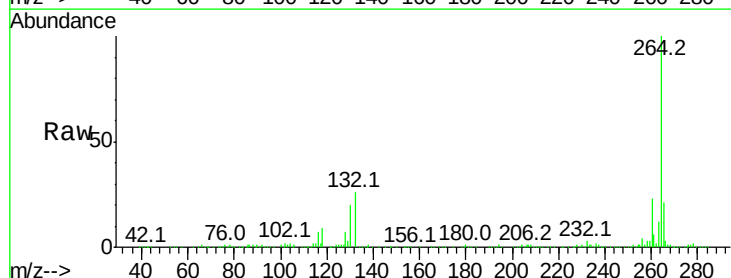
Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

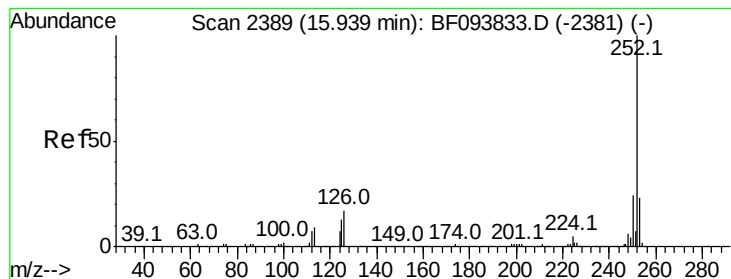
Tot Ion:276 Resp: 125681
Ion Ratio Lower Upper
276 100
138 32.7 27.8 41.6
277 23.7 20.2 30.4



#86
Perylene-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

Tgt 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: 22.02 ng

RT: 15.93 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

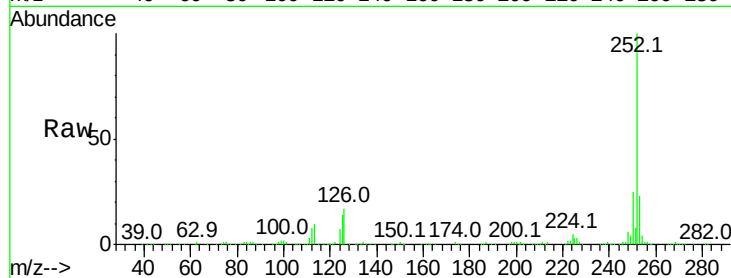
Tot Ion:252 Resp: 433961

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

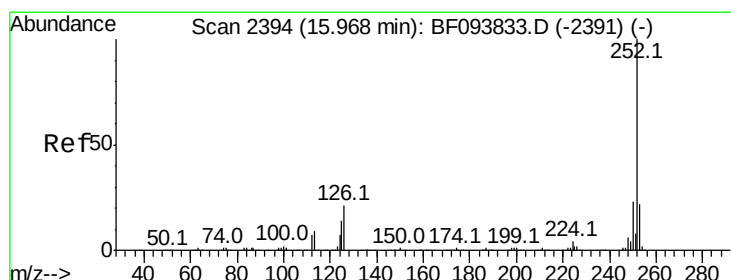
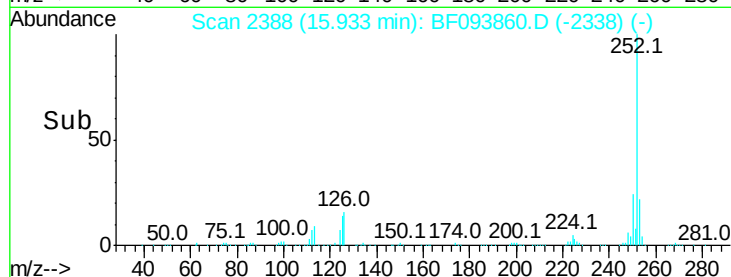
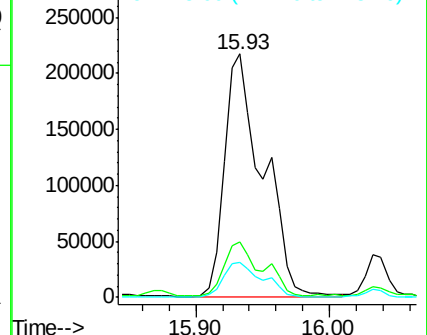
125 14.2 9.8 14.8



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: 22.50 ng

RT: 15.93 min Scan# 2388

Delta R.T. -0.04 min

Lab File: BF093860.D

Acq: 23 Mar 2017 4:30

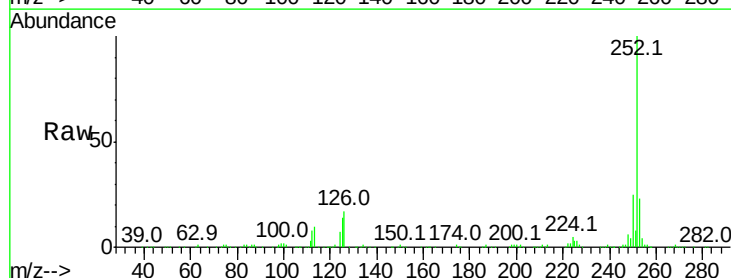
Tgt Ion:252 Resp: 433961

Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

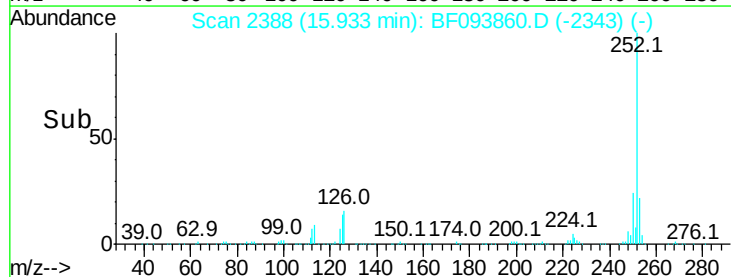
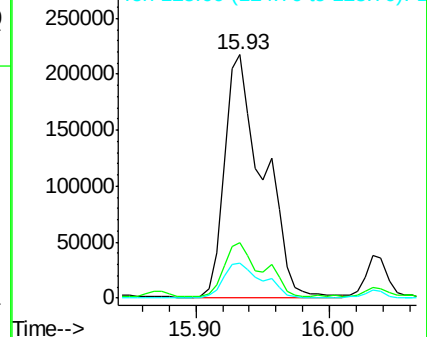
125 14.2 13.1 19.7

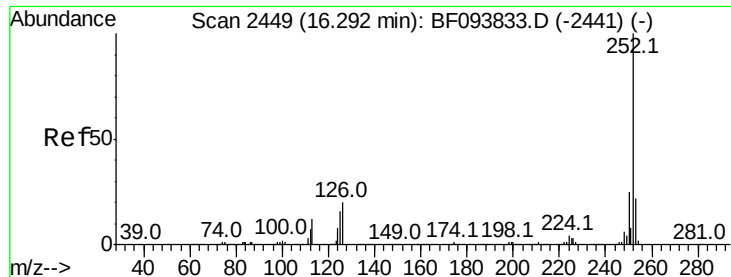


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#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

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

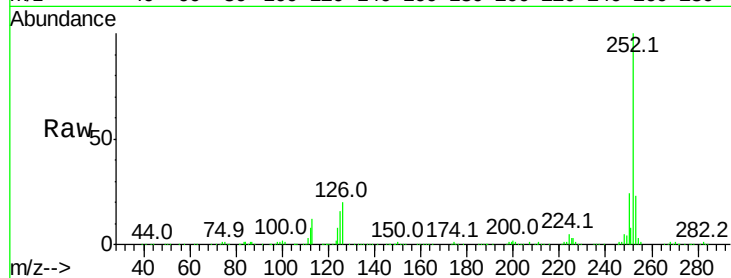
Tot Ion:252 Resp: 261101

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

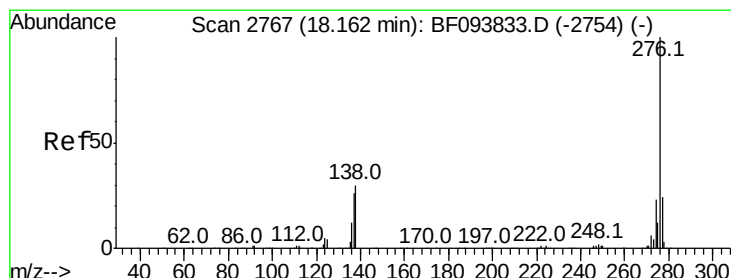
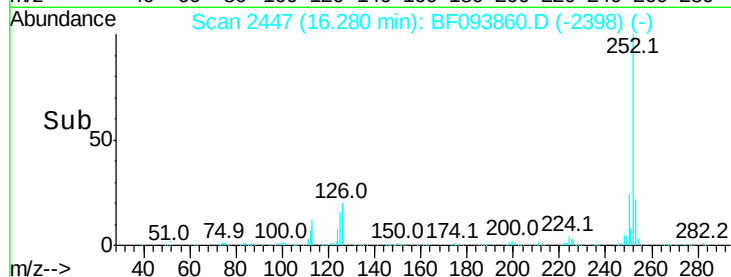
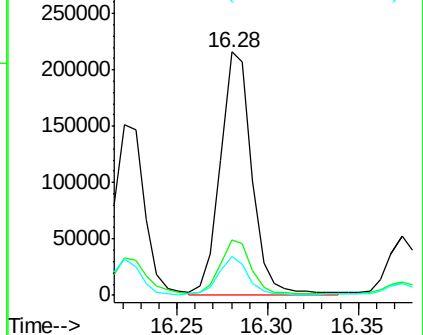
125 16.1 11.0 16.4



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(g,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

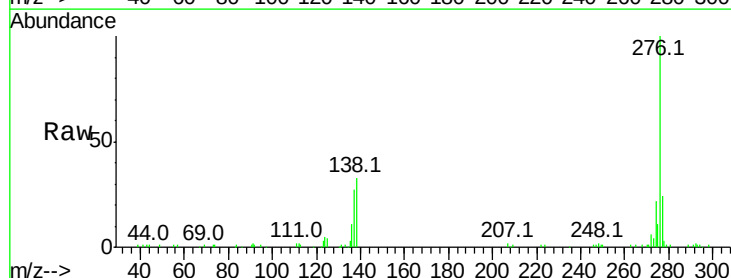
Tgt Ion:276 Resp: 133453

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

