

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
 Data File : BF094103.D
 Acq On : 31 Mar 2017 18:30
 Operator : SJ/MA
 Sample : I2463-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-R-Q-12-13-BASE

Quant Time: Mar 31 23:09:36 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

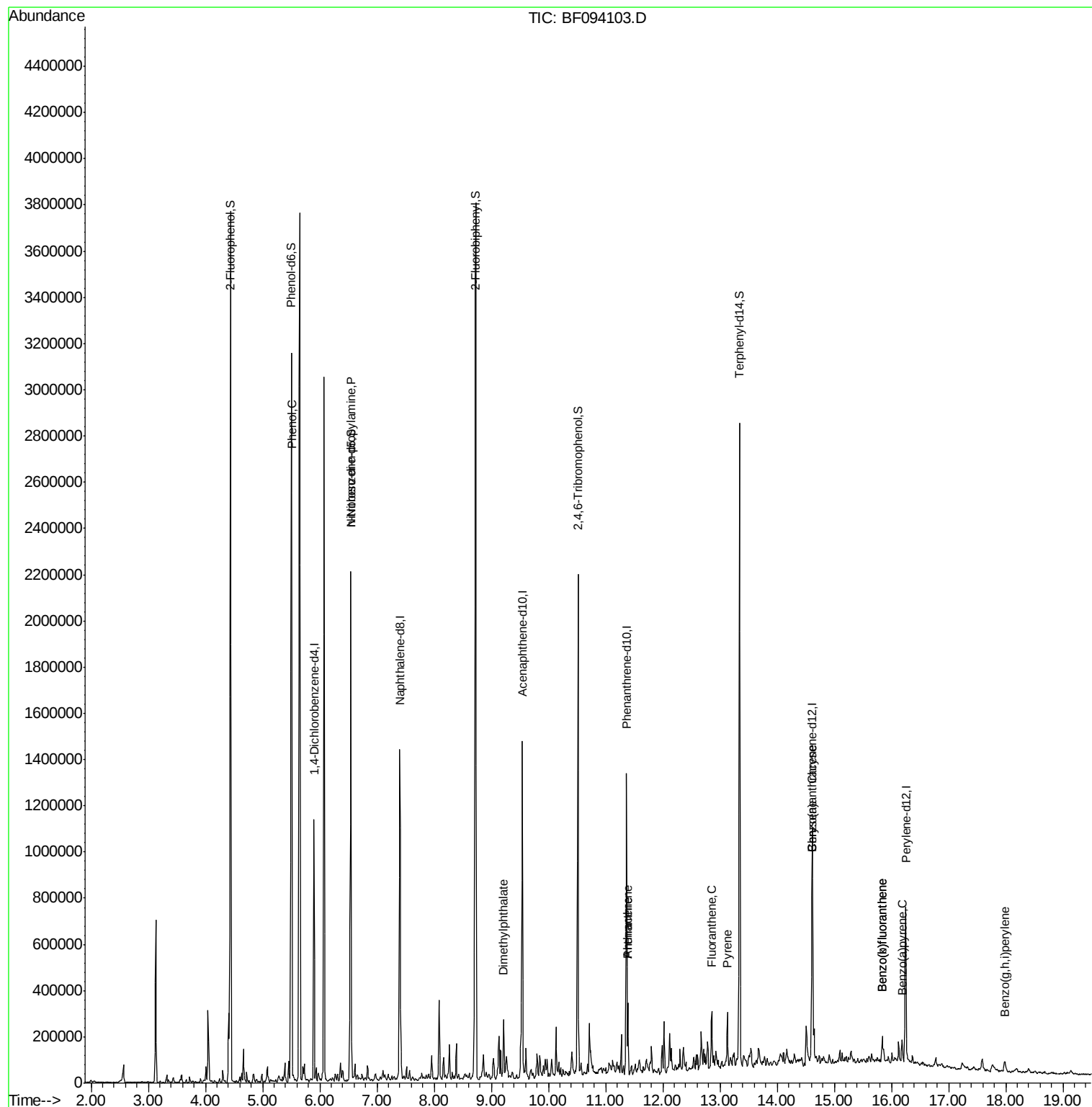
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.90	152	183807	20.00	ng	0.00
21) Naphthalene-d8	7.40	136	744830	20.00	ng	-0.01
38) Acenaphthene-d10	9.54	164	328258	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	555099	20.00	ng	-0.01
75) Chrysene-d12	14.62	240	383840	20.00	ng	-0.01
86) Perylene-d12	16.25	264	287772	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.44	112	1159191	106.52	ng	0.00
7) Phenol-d6	5.50	99	1506579	111.91	ng	0.00
23) Nitrobenzene-d5	6.55	82	958058	73.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	289953	111.78	ng	0.00
44) 2-Fluorobiphenyl	8.73	172	1533014	71.23	ng	0.00
78) Terphenyl-d14	13.35	244	994441	58.07	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.52	94	37717	2.46	ng	91
19) n-Nitroso-di-n-propylamine	6.55	70	128268	14.82	ng	# 75
49) Dimethylphthalate	9.22	163	115738	4.96	ng	99
70) Phenanthrene	11.39	178	109532	3.55	ng	97
71) Anthracene	11.39	178	109532	3.45	ng	98
74) Fluoranthene	12.86	202	105352	3.33	ng	98
77) Pyrene	13.13	202	103546	3.72	ng	99
80) Benzo(a)anthracene	14.60	228	45881	2.05	ng	# 88
82) Chrysene	14.60	228	45881	2.21	ng	90
87) Benzo(b)fluoranthene	15.84	252	71502	4.05	ng	# 92
88) Benzo(k)fluoranthene	15.84	252	71502	4.14	ng	96
89) Benzo(a)pyrene	16.19	252	38011	2.34	ng	# 95
91) Benzo(a,h,i)perylene	17.98	276	33892	2.44	ng	99

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

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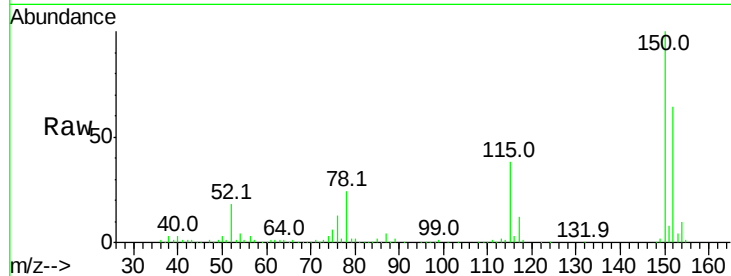


#1

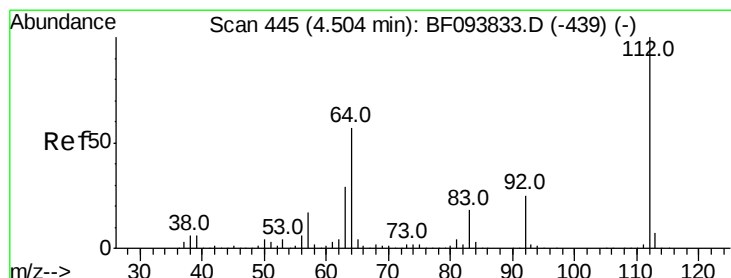
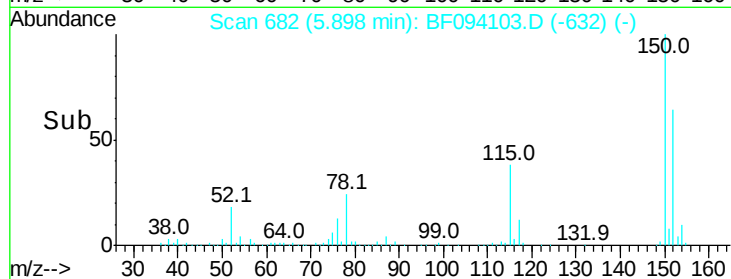
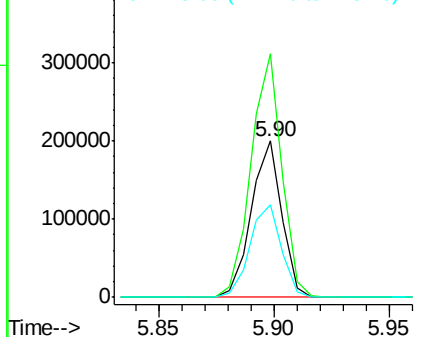
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.90 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF094103.D
 Acq: 31 Mar 2017 18:30

Instrument :
 BNA_F
 ClientSampleId :
 E2-R-Q-12-13-BASE

Tot Ion:152 Resp: 183807
 Ion Ratio Lower Upper
 152 100
 150 155.7 126.2 189.2
 115 59.2 52.2 78.2



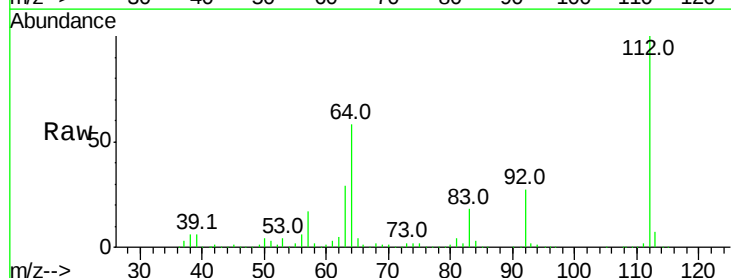
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



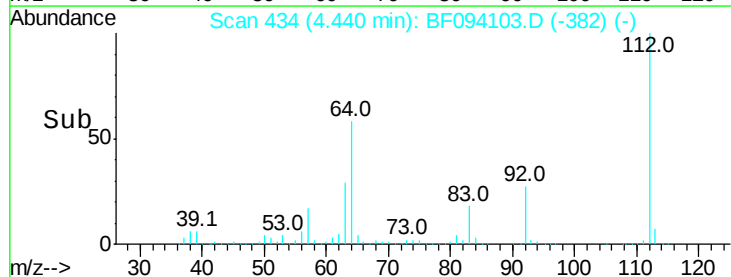
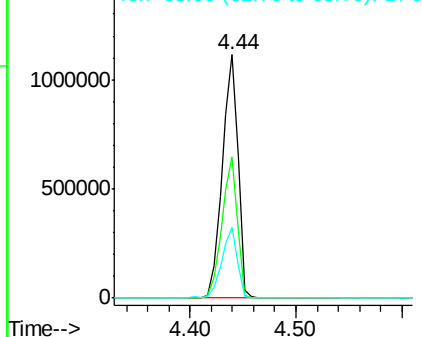
#5

2-Fluorophenol
 Concen: 106.52 ng
 RT: 4.44 min Scan# 434
 Delta R.T. 0.01 min
 Lab File: BF094103.D
 Acq: 31 Mar 2017 18:30

Tgt Ion:112 Resp: 1159191
 Ion Ratio Lower Upper
 112 100
 64 57.9 46.0 69.0
 63 28.9 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: 111.91 ng

RT: 5.50 min Scan# 615

Delta R.T. -0.01 min

Lab File: BF094103.D

Acq: 31 Mar 2017 18:30

Instrument :

BNA_F

ClientSampleId :

E2-R-Q-12-13-BASE

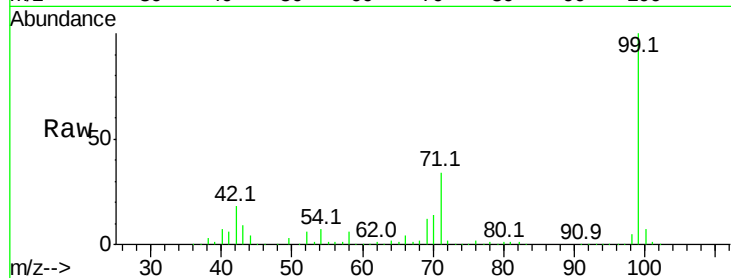
Tot Ion: 99 Resp: 1506579

Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.5	20.3
71	33.7	24.5	36.7

99 100

42 17.8 13.5 20.3

71 33.7 24.5 36.7

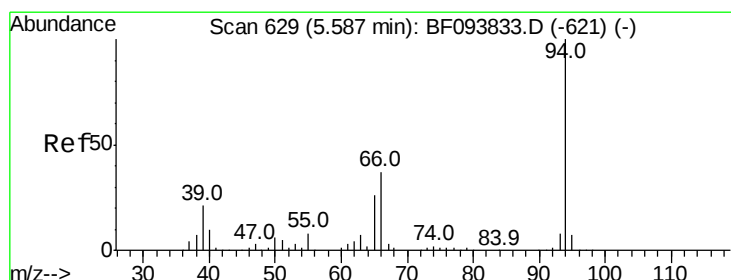
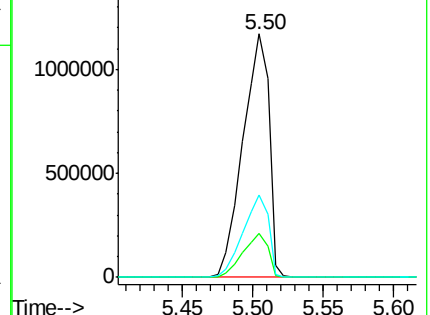
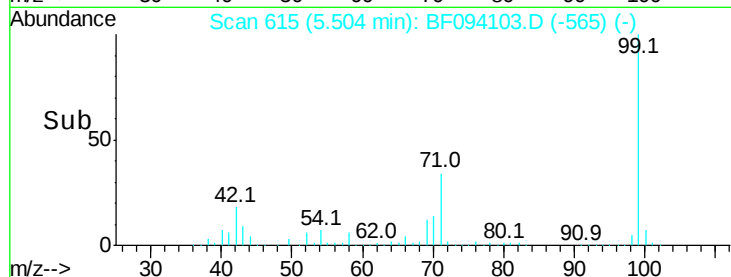


Abundance

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: 2.46 ng

RT: 5.52 min Scan# 617

Delta R.T. -0.01 min

Lab File: BF094103.D

Acq: 31 Mar 2017 18:30

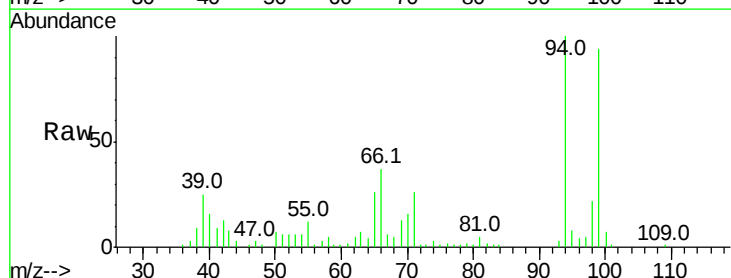
Tgt Ion: 94 Resp: 37717

Ion	Ratio	Lower	Upper
94	100		
65	25.5	9.9	49.9
66	37.3	23.1	63.1

94 100

65 25.5 9.9 49.9

66 37.3 23.1 63.1

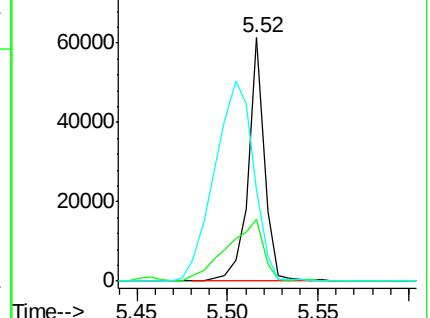
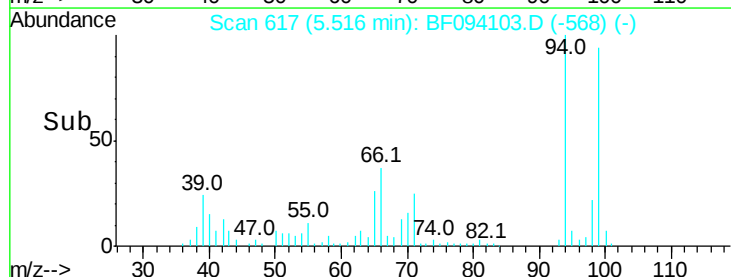


Abundance

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: 14.82 ng

RT: 6.55 min Scan# 792

Delta R.T. 0.15 min

Lab File: BF094103.D

Acq: 31 Mar 2017 18:30

Instrument :

BNA_F

ClientSampleId :

E2-R-Q-12-13-BASE

Tot Ion: 70 Resp: 128268

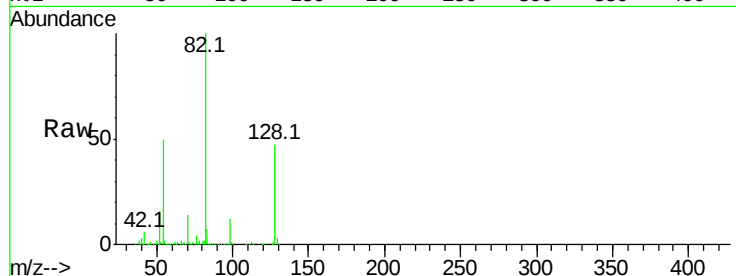
Ion Ratio Lower Upper

70 100

42 43.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

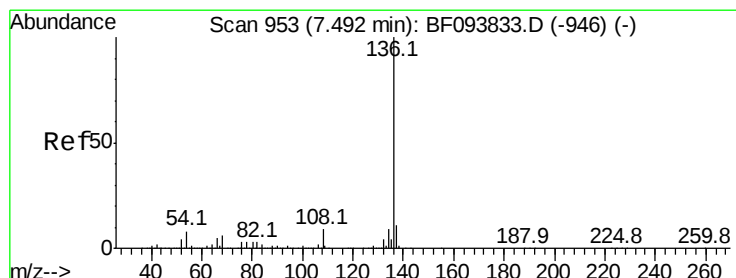
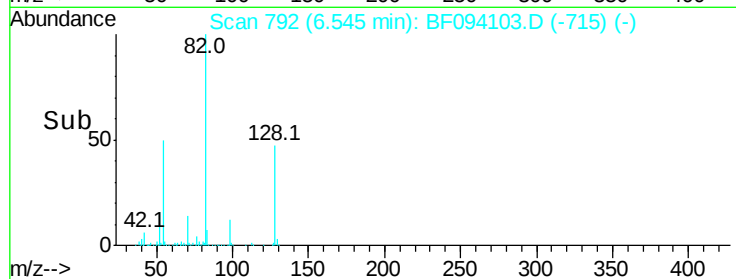
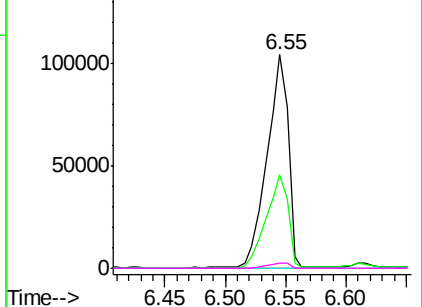


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF094103.D

Acq: 31 Mar 2017 18:30

Tgt Ion: 136 Resp: 744830

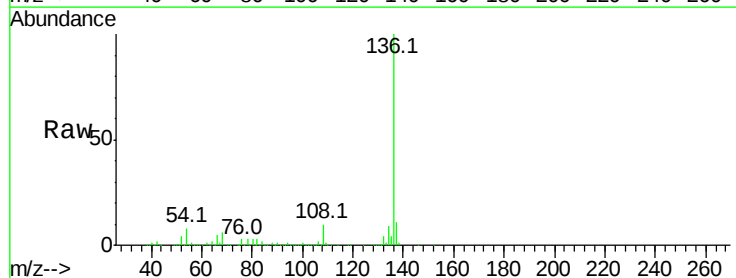
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 7.7 4.9 7.3#

68 6.2 4.1 6.1#

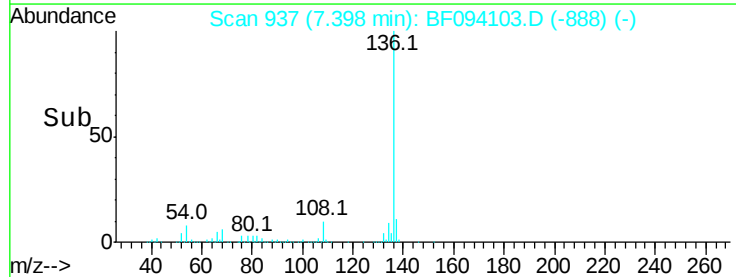
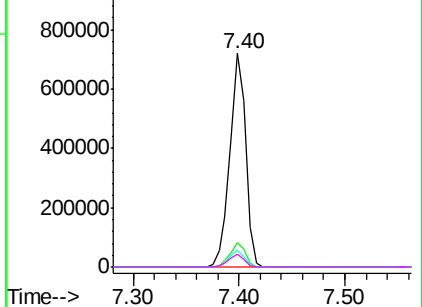


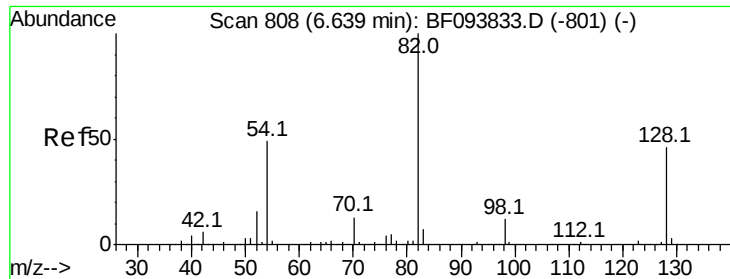
Abundance Ion 136.00 (135.70 to 136.70): BF0

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

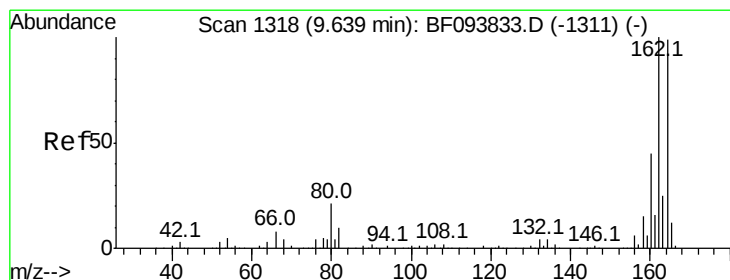
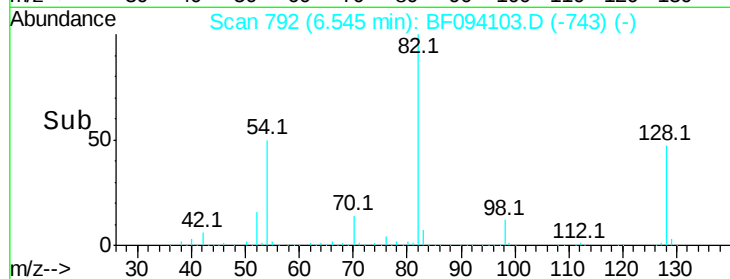
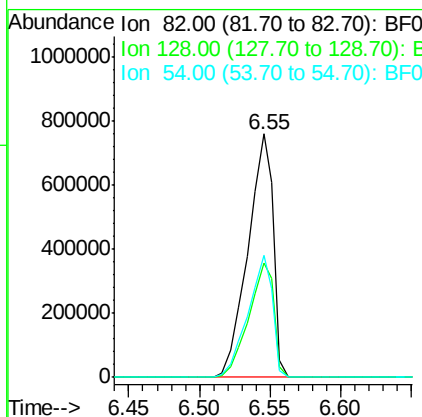
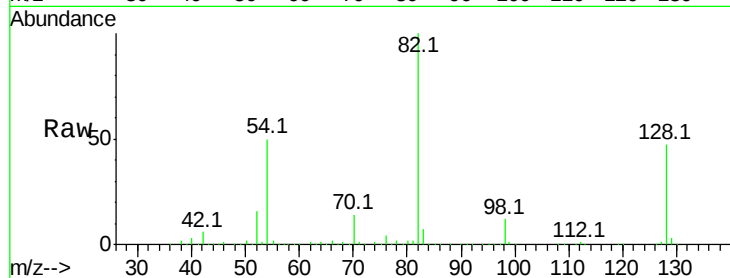




#23
 Nitrobenzene-d5
 Concen: 73.41 ng
 RT: 6.55 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF094103.D
 Acq: 31 Mar 2017 18:30

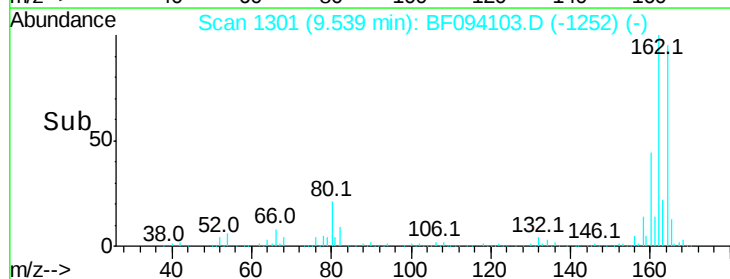
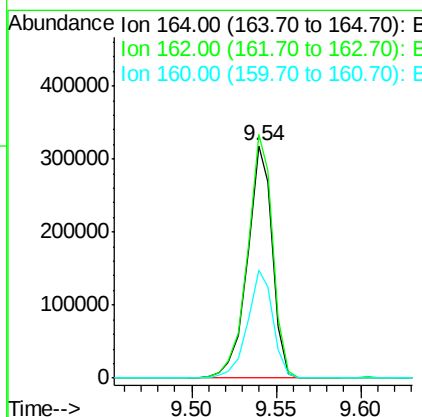
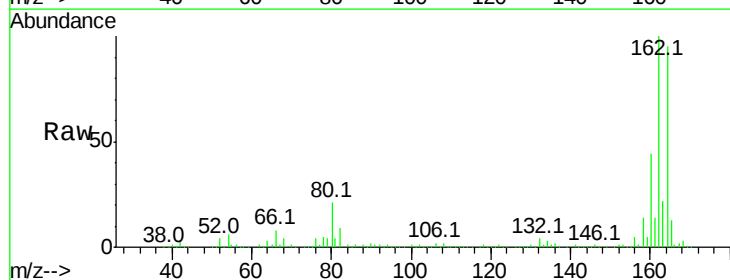
Instrument :
 BNA_F
 ClientSampleId :
 E2-R-Q-12-13-BASE

Tot Ion: 82 Resp: 958058
 Ion Ratio Lower Upper
 82 100
 128 46.8 34.0 51.0
 54 49.9 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: BF094103.D
 Acq: 31 Mar 2017 18:30

Tgt Ion:164 Resp: 328258
 Ion Ratio Lower Upper
 164 100
 162 104.8 82.6 123.8
 160 46.4 36.2 54.2

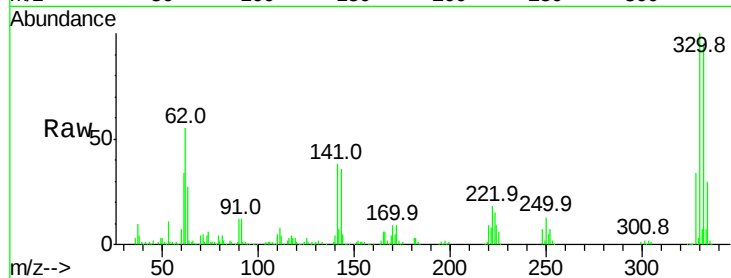




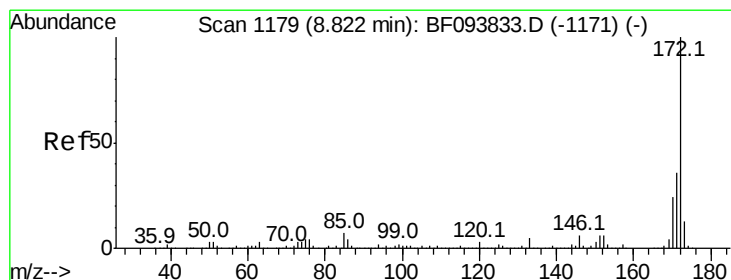
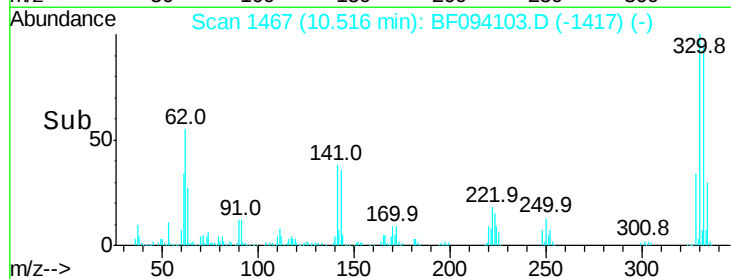
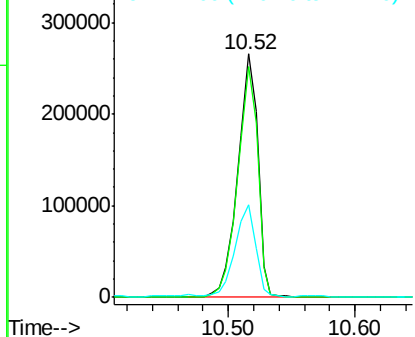
#41
 2,4,6-Tribromophenol
 Concen: 111.78 ng
 RT: 10.52 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF094103.D
 Acq: 31 Mar 2017 18:30

Instrument :
 BNA_F
 ClientSampleId :
 E2-R-Q-12-13-BASE

Tot Ion:330 Resp: 289953
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 115.0
 141 39.3 31.4 47.2

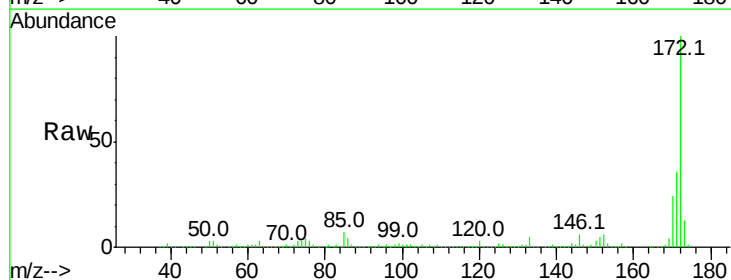


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

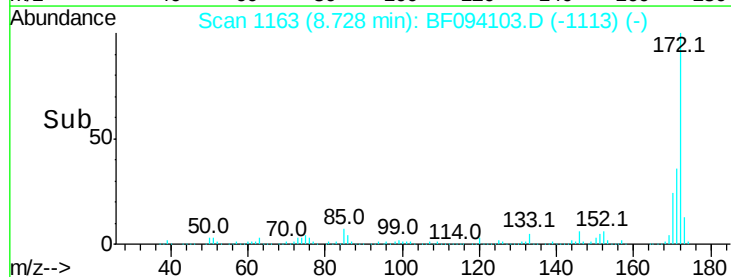
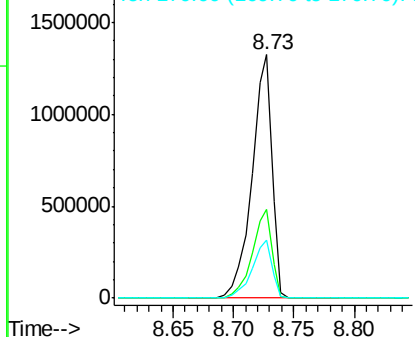


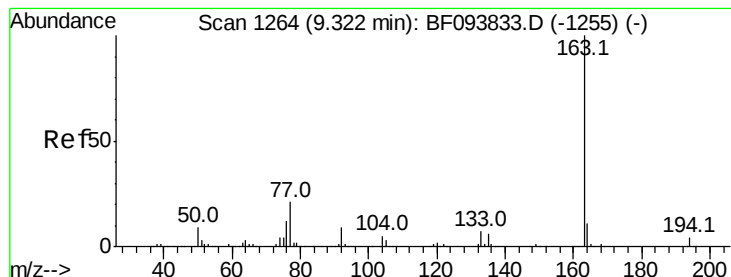
#44
 2-Fluorobiphenyl
 Concen: 71.23 ng
 RT: 8.73 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: BF094103.D
 Acq: 31 Mar 2017 18:30

Tgt Ion:172 Resp: 1533014
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.0 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: 4.96 ng

RT: 9.22 min Scan# 1246

Delta R.T. -0.03 min

Lab File: BF094103.D

Acq: 31 Mar 2017 18:30

Instrument :

BNA_F

ClientSampleId :

E2-R-Q-12-13-BASE

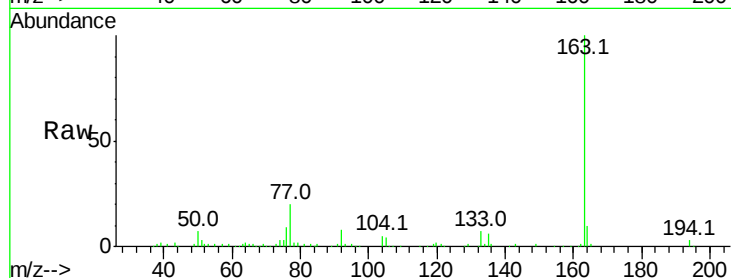
Tot Ion:163 Resp: 115738

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

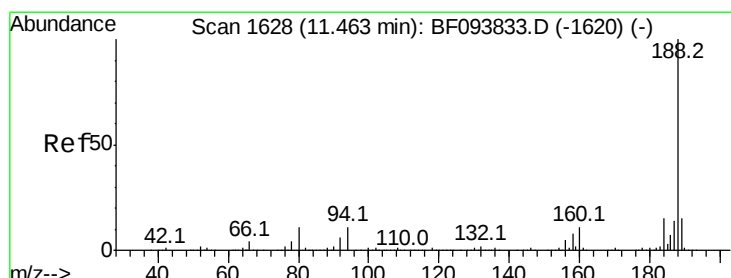
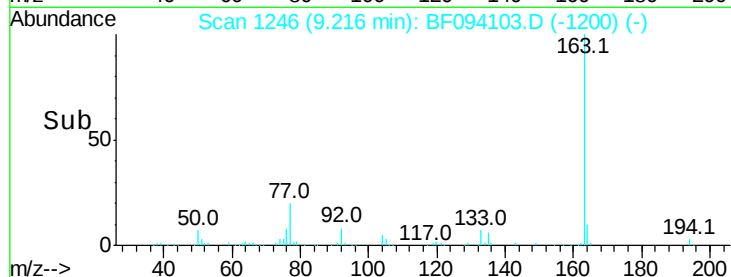
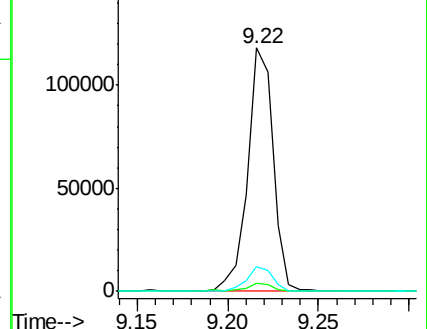
164 10.0 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF094103.D

Acq: 31 Mar 2017 18:30

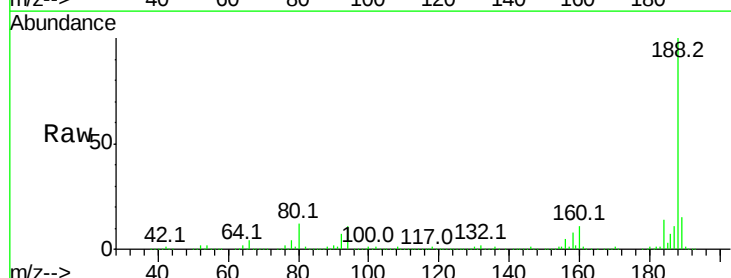
Tgt Ion:188 Resp: 555099

Ion Ratio Lower Upper

188 100

94 11.1 9.4 14.2

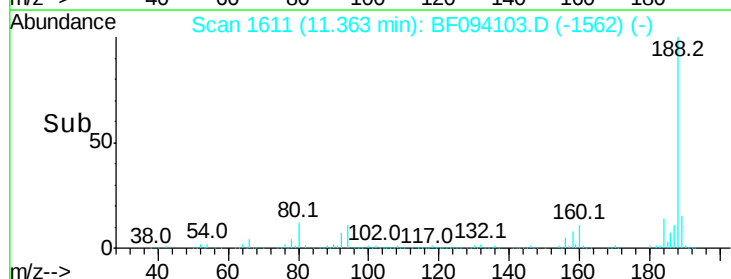
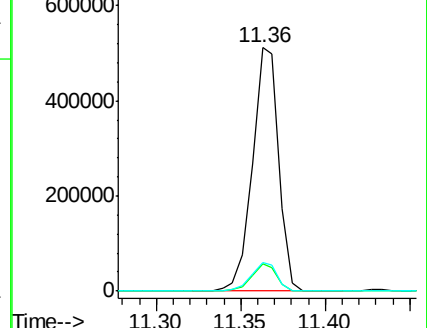
80 11.7 10.2 15.2

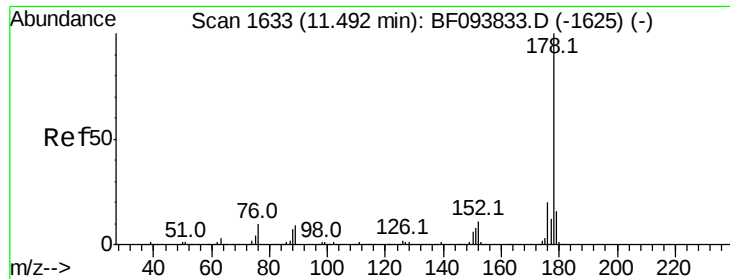


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

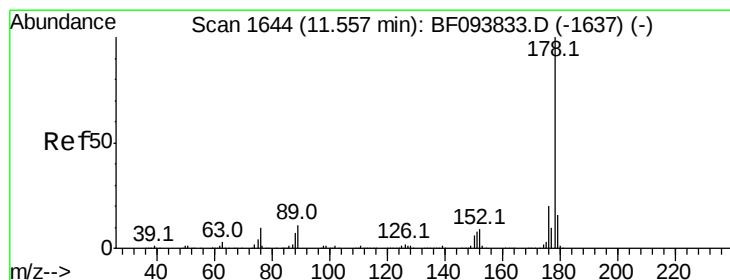
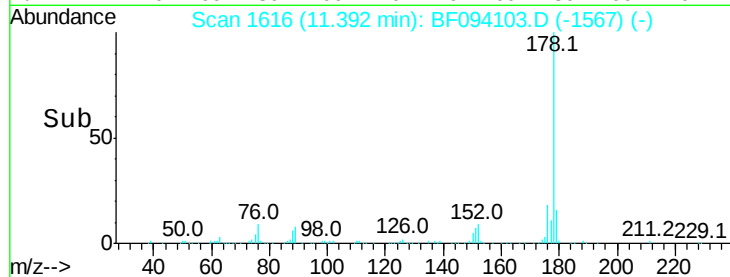
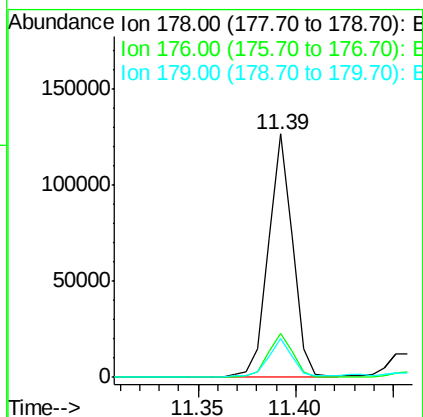
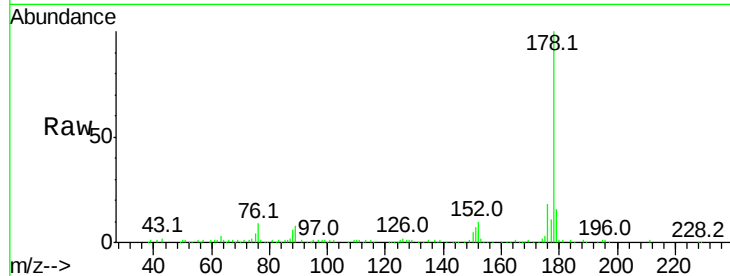




#70
Phenanthrene
Concen: 3.55 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BF094103.D
Acq: 31 Mar 2017 18:30

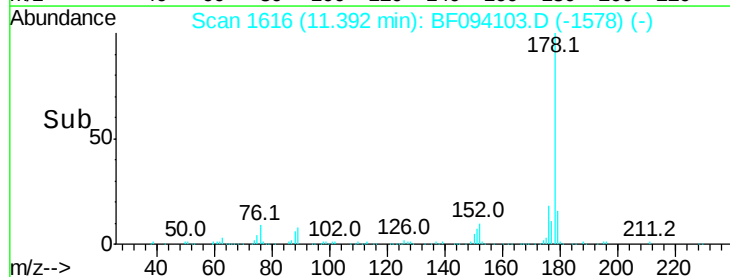
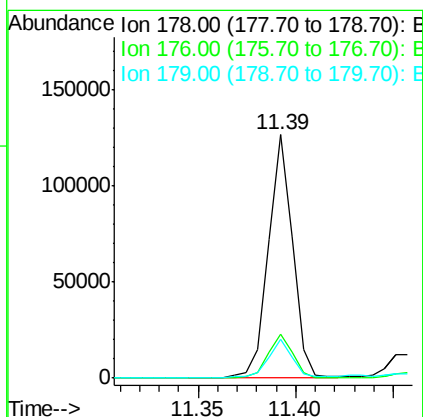
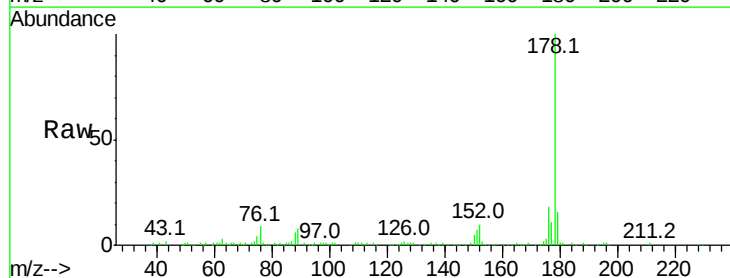
Instrument :
BNA_F
ClientSampleId :
E2-R-Q-12-13-BASE

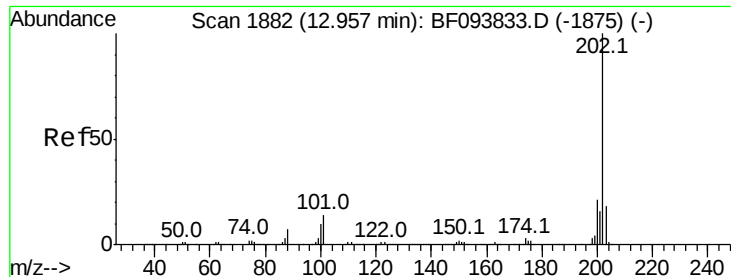
Tot Ion:178 Resp: 109532
Ion Ratio Lower Upper
178 100
176 18.0 16.2 24.4
179 16.1 12.6 19.0



#71
Anthracene
Concen: 3.45 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.08 min
Lab File: BF094103.D
Acq: 31 Mar 2017 18:30

Tgt Ion:178 Resp: 109532
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 16.1 12.7 19.1





#74

Fluoranthene

Concen: 3.33 ng

RT: 12.86 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF094103.D

Acq: 31 Mar 2017 18:30

Instrument :

BNA_F

ClientSampleId :

E2-R-Q-12-13-BASE

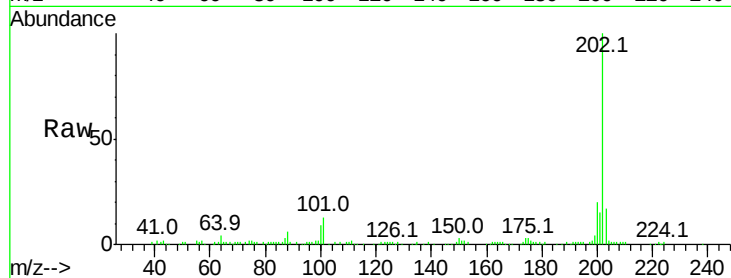
Tot Ion:202 Resp: 105352

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.2

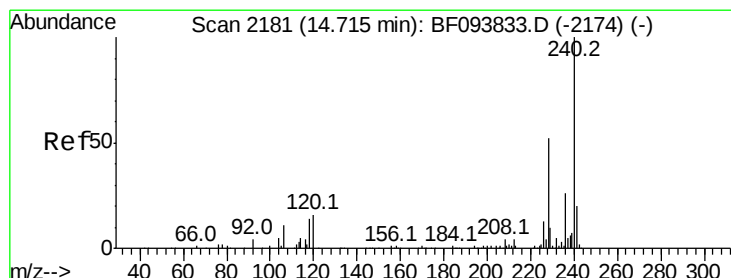
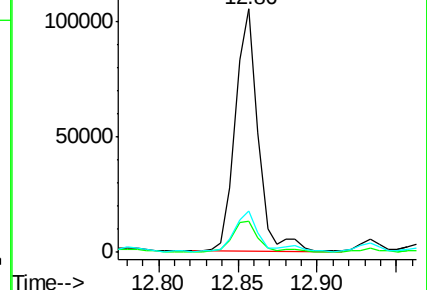
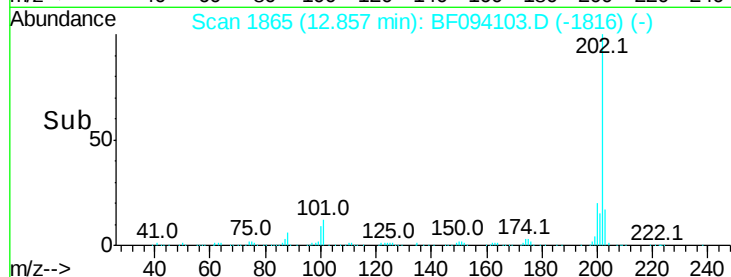
203 17.1 0.0 38.1



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: BF094103.D

Acq: 31 Mar 2017 18:30

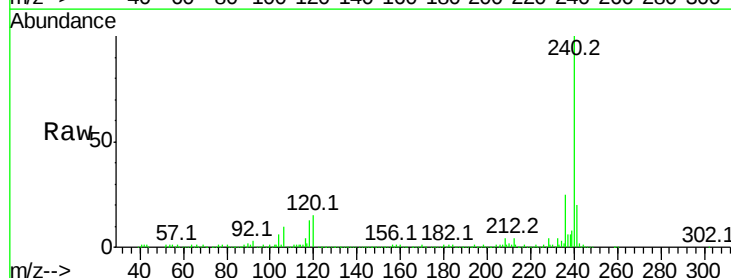
Tgt Ion:240 Resp: 383840

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

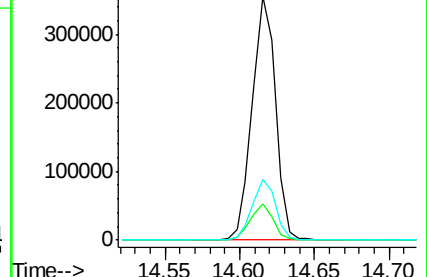
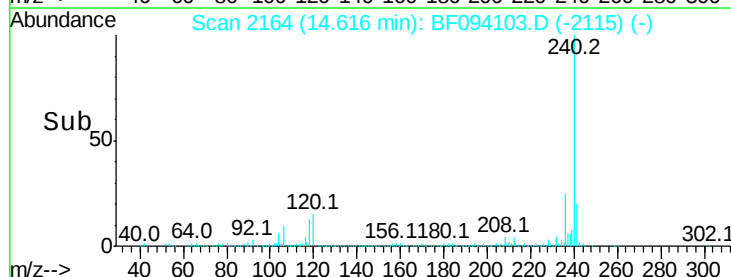
236 24.9 20.5 30.7

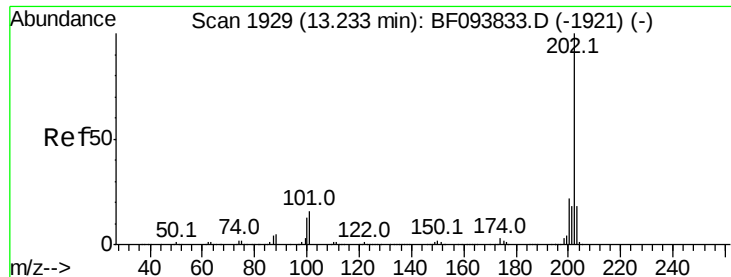


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.72 ng

RT: 13.13 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094103.D

Acq: 31 Mar 2017 18:30

Instrument :

BNA_F

ClientSampleId :

E2-R-Q-12-13-BASE

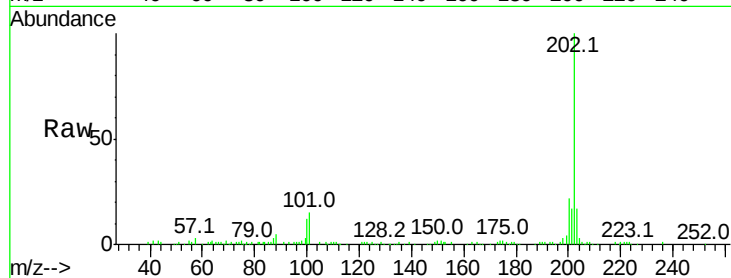
Tot Ion:202 Resp: 103546

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

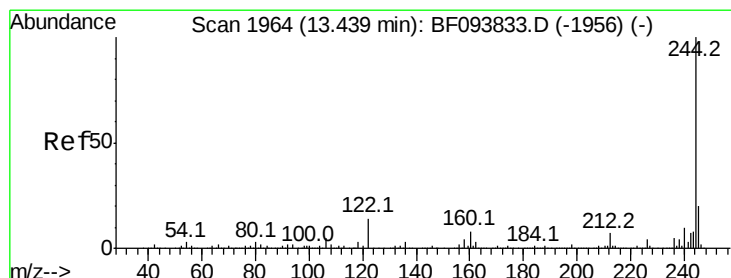
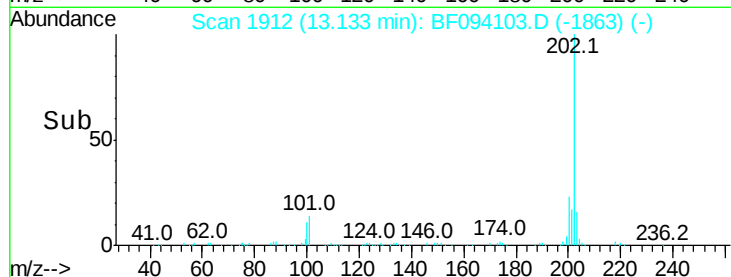
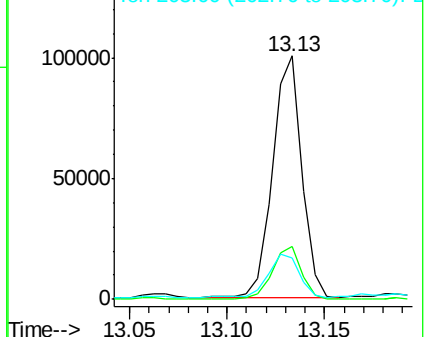
203 17.1 14.4 21.6



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: 58.07 ng

RT: 13.35 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BF094103.D

Acq: 31 Mar 2017 18:30

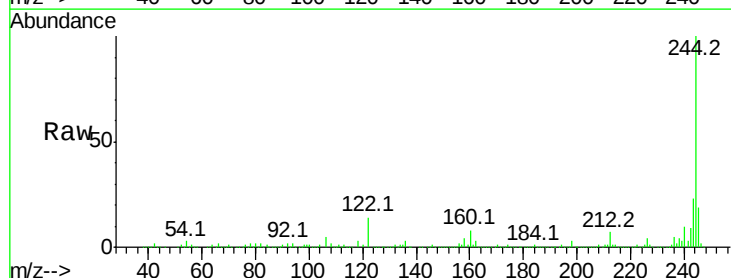
Tgt Ion:244 Resp: 994441

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

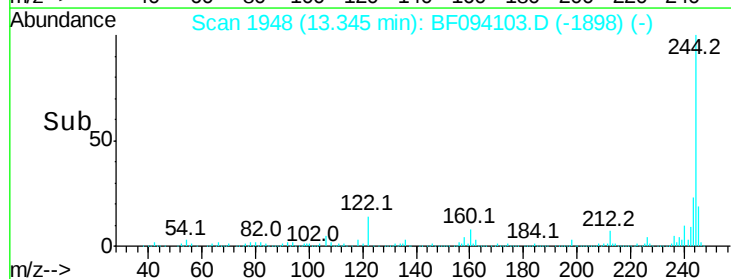
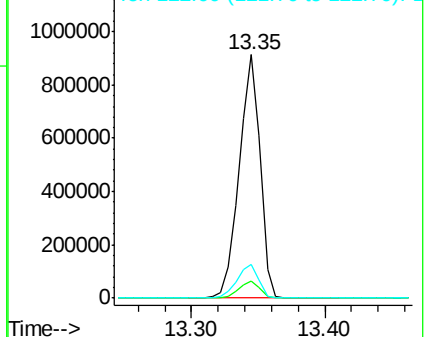
122 13.9 10.3 15.5

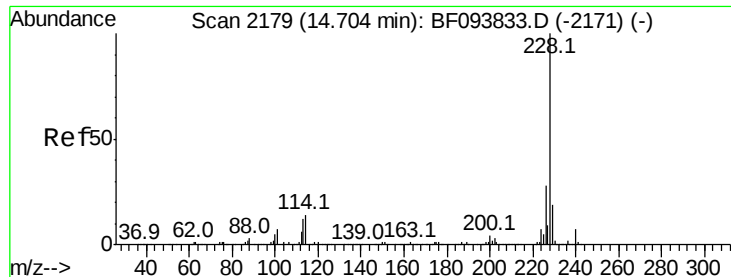


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.05 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF094103.D

Acq: 31 Mar 2017 18:30

Instrument :

BNA_F

ClientSampleId :

E2-R-Q-12-13-BASE

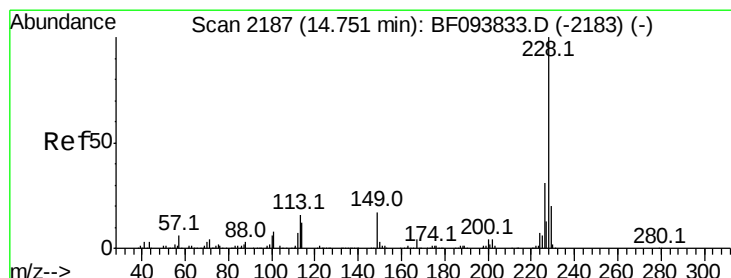
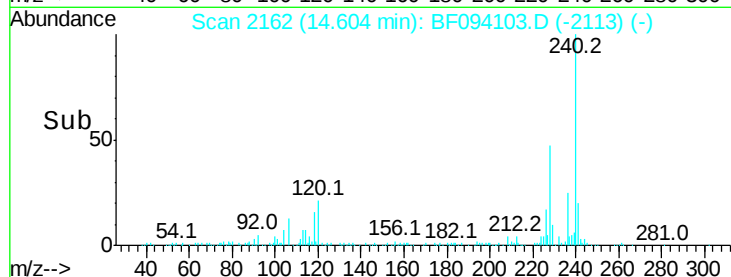
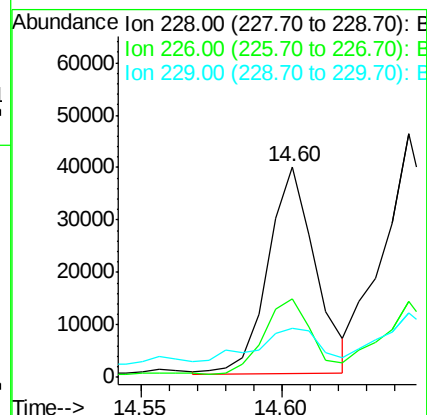
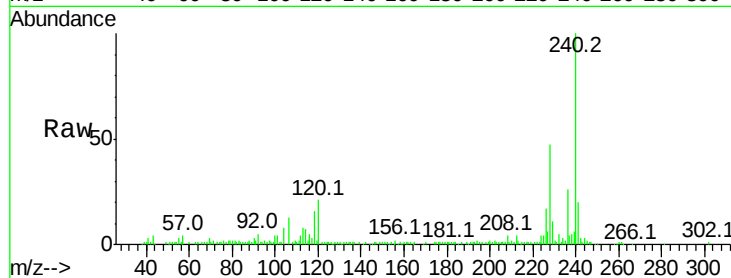
Tot Ion:228 Resp: 45881

Ion Ratio Lower Upper

228 100

226 37.0 22.6 33.8#

229 23.4 16.3 24.5



#82

Chrysene

Concen: 2.21 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.06 min

Lab File: BF094103.D

Acq: 31 Mar 2017 18:30

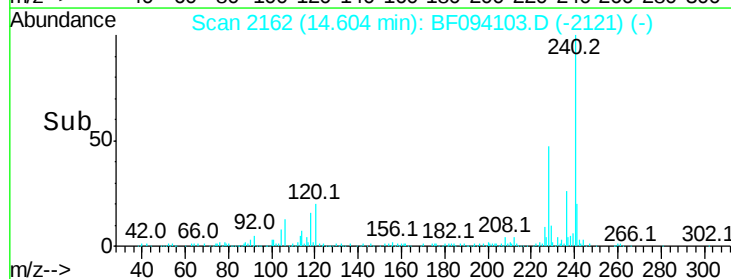
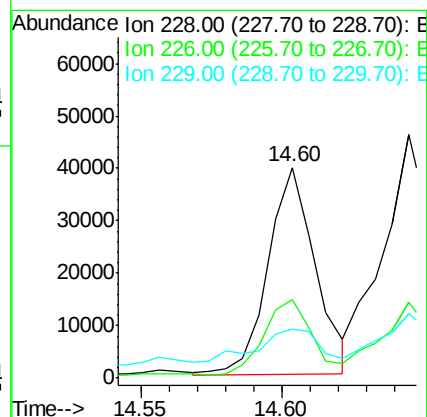
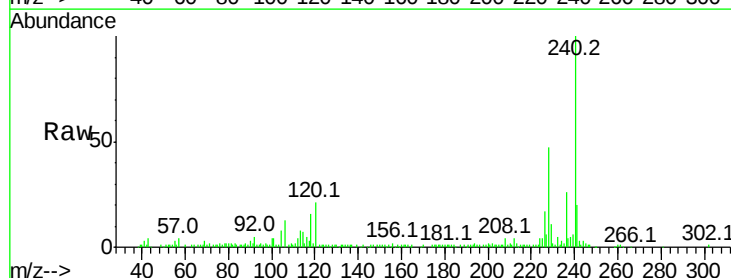
Tgt Ion:228 Resp: 45881

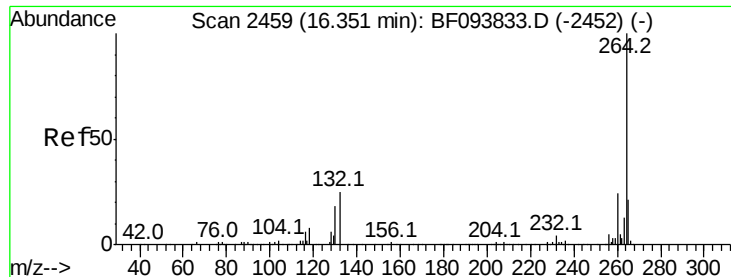
Ion Ratio Lower Upper

228 100

226 37.0 24.9 37.3

229 23.4 15.8 23.6

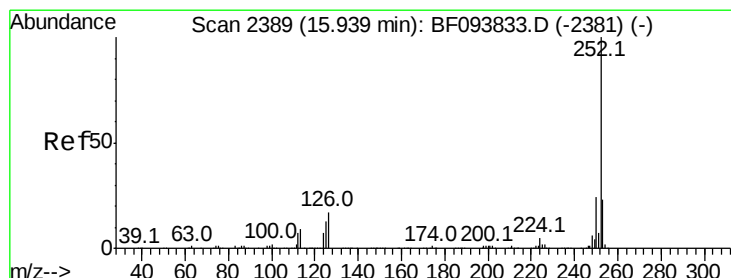
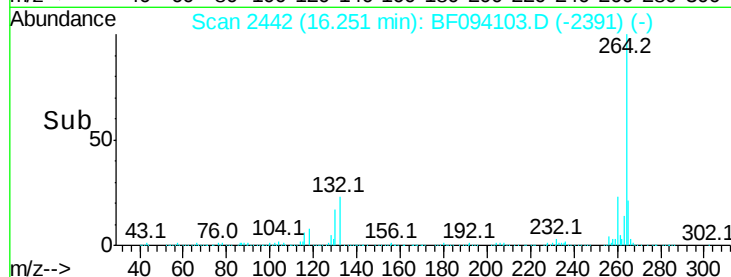
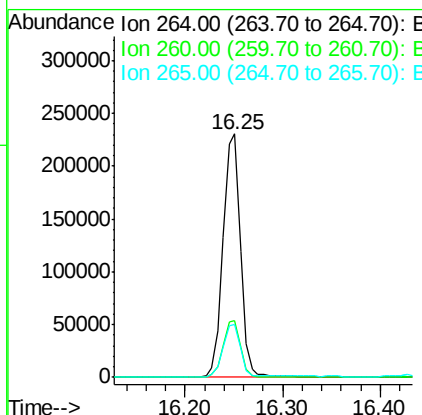
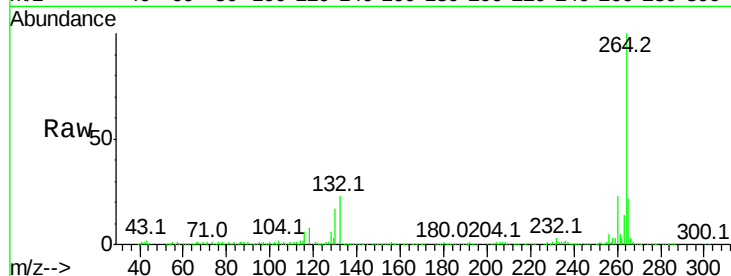




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BF094103.D
Acq: 31 Mar 2017 18:30

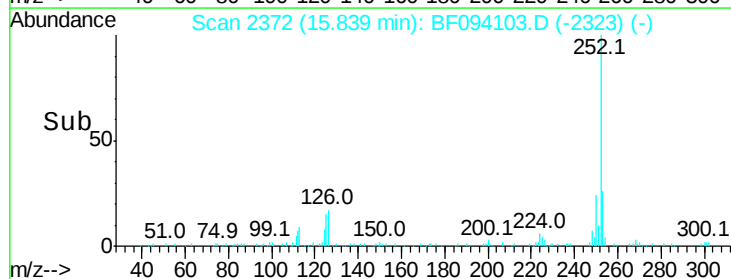
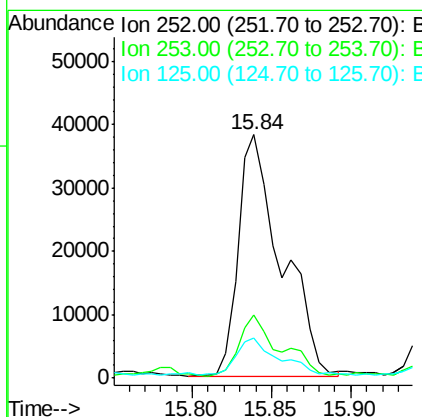
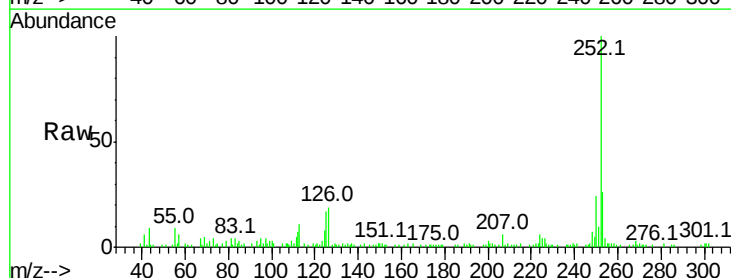
Instrument :
BNA_F
ClientSampleId :
E2-R-Q-12-13-BASE

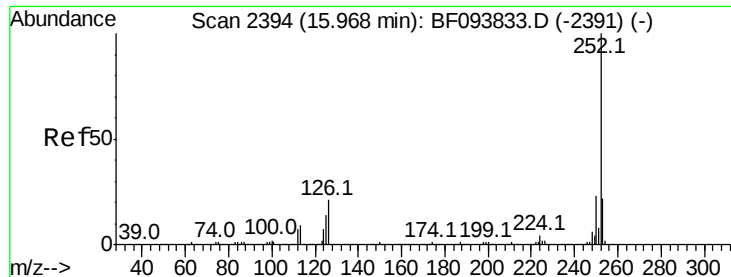
Tot Ion:264 Resp: 287772
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 21.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.05 ng
RT: 15.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BF094103.D
Acq: 31 Mar 2017 18:30

Tgt Ion:252 Resp: 71502
Ion Ratio Lower Upper
252 100
253 25.7 18.1 27.1
125 16.7 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 4.14 ng

RT: 15.84 min Scan# 2372

Delta R.T. -0.04 min

Lab File: BF094103.D

Acq: 31 Mar 2017 18:30

Instrument :

BNA_F

ClientSampleId :

E2-R-Q-12-13-BASE

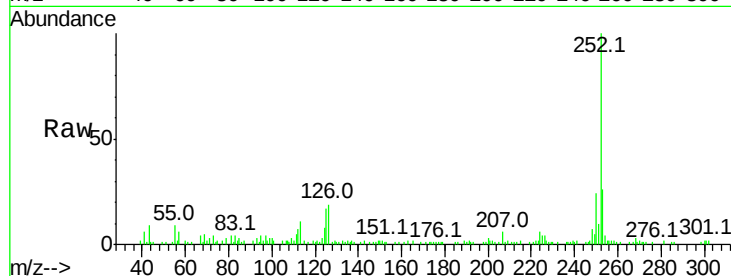
Tot Ion:252 Resp: 71502

Ion Ratio Lower Upper

252 100

253 25.7 18.4 27.6

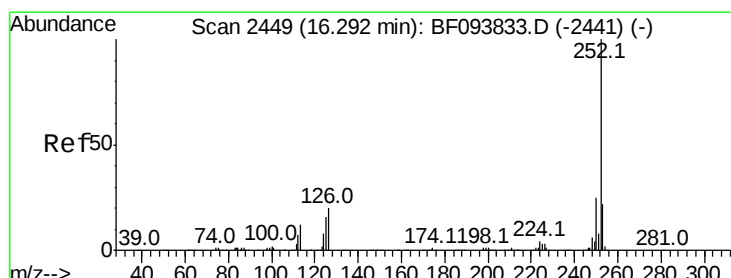
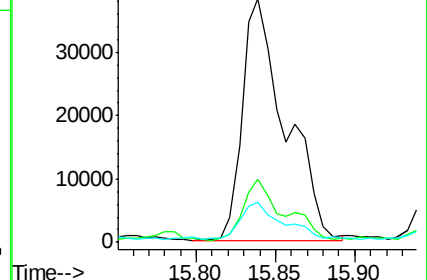
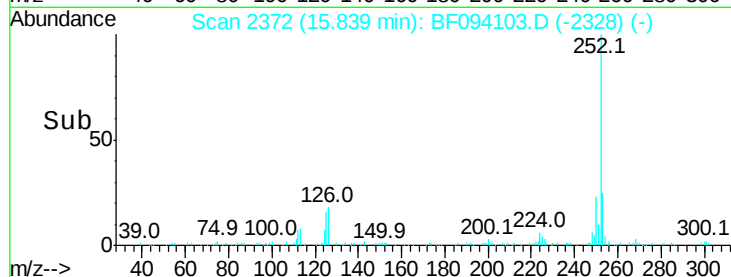
125 16.7 13.1 19.7



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: 2.34 ng

RT: 16.19 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BF094103.D

Acq: 31 Mar 2017 18:30

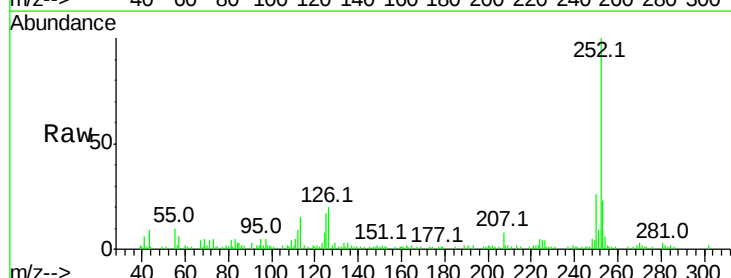
Tgt Ion:252 Resp: 38011

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

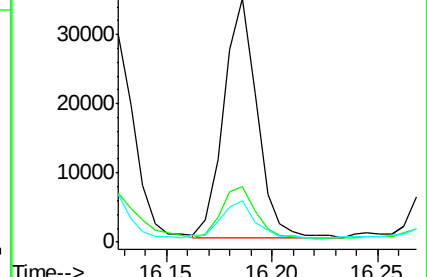
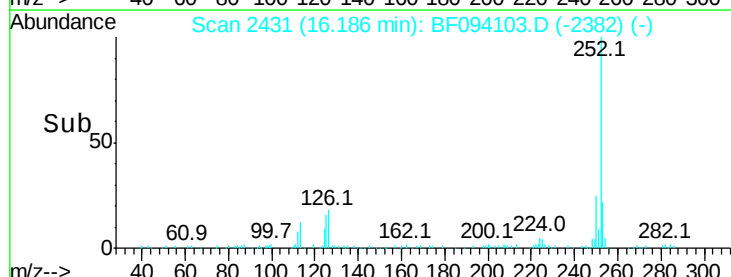
125 17.2 11.0 16.4#

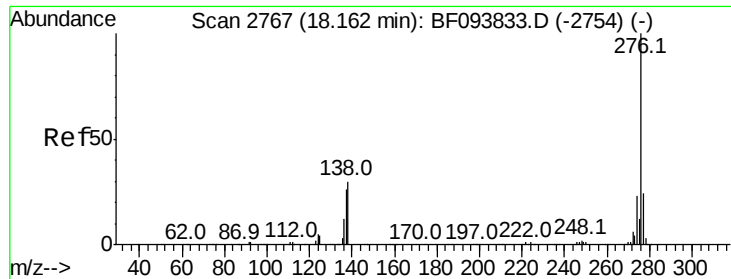


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.44 ng
 RT: 17.98 min Scan# 2736
 Delta R.T. -0.03 min
 Lab File: BF094103.D
 Acq: 31 Mar 2017 18:30

Instrument :
 BNA_F
 ClientSampleId :
 E2-R-Q-12-13-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	32.5	25.4	38.0

