

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041917\
 Data File : BF094530.D
 Acq On : 19 Apr 2017 21:54
 Operator : SJ/MA
 Sample : I2750-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-U6-BASE

Quant Time: Apr 20 04:58:44 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

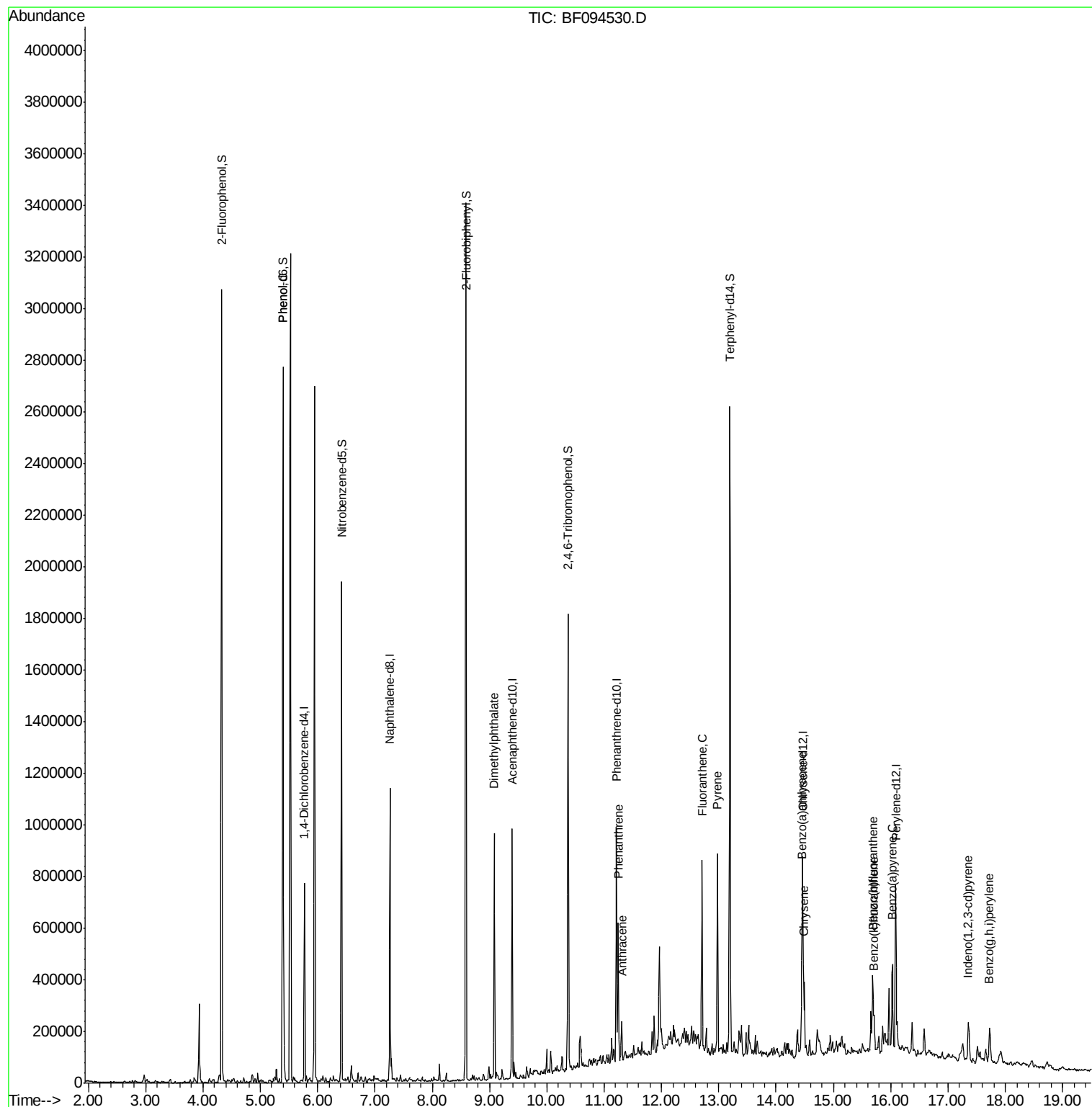
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	126652	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	514142	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	202360	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	384286	20.00	ng	0.00
75) Chrysene-d12	14.47	240	268454	20.00	ng	0.00
86) Perylene-d12	16.09	264	251370	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	908703	119.03	ng	0.02
7) Phenol-d6	5.40	99	1135861	126.21	ng	0.00
23) Nitrobenzene-d5	6.42	82	702737	84.40	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	224714	141.97	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1242305	90.33	ng	0.00
78) Terphenyl-d14	13.19	244	906326	90.24	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.41	94	30743	2.78	ng	88
49) Dimethylphthalate	9.08	163	401313	26.61	ng	100
70) Phenanthrene	11.24	178	204075	9.43	ng	97
71) Anthracene	11.31	178	61920	2.77	ng	97
74) Fluoranthene	12.71	202	303318	13.52	ng	99
77) Pyrene	12.98	202	331683	17.68	ng	96
80) Benzo(a)anthracene	14.45	228	121025	7.76	ng	94
82) Chrysene	14.49	228	134320m	9.42	ng	
85) Indeno(1,2,3-cd)pyrene	17.35	276	82917	6.11	ng	97
87) Benzo(b)fluoranthene	15.68	252	156328m	10.17	ng	
88) Benzo(k)fluoranthene	15.71	252	58075m	3.99	ng	
89) Benzo(a)pyrene	16.03	252	132158	9.24	ng	99
91) Benzo(g,h,i)perylene	17.73	276	89771	7.42	ng	96

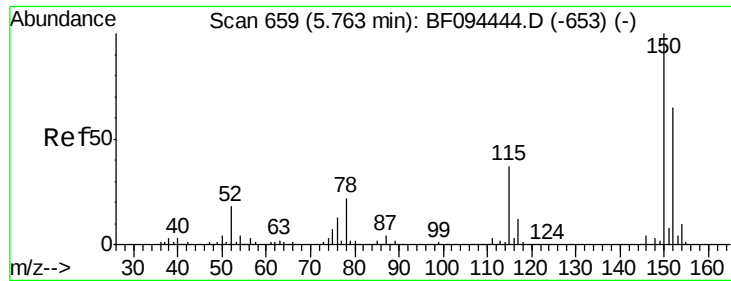
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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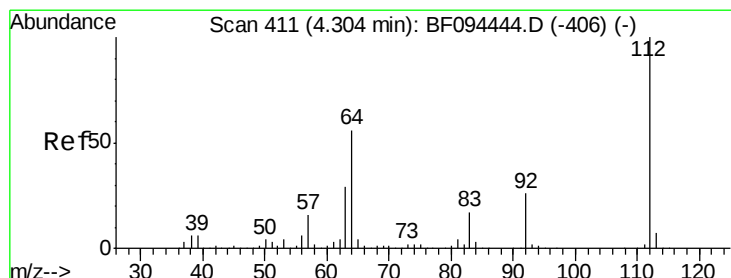
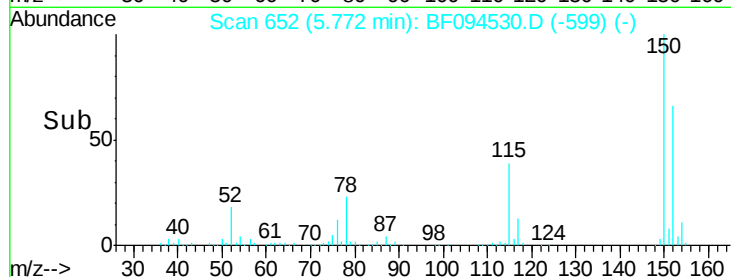
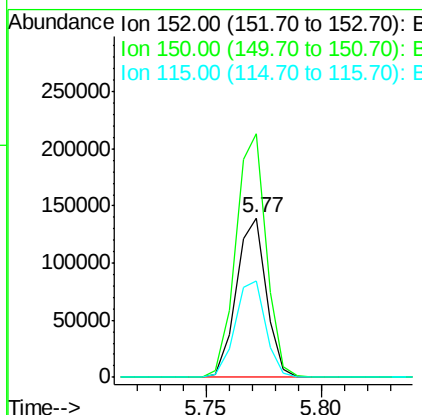
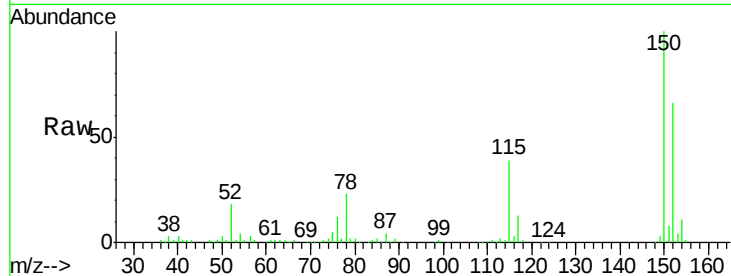




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.77 min Scan# 652
 Delta R.T. 0.01 min
 Lab File: BF094530.D
 Acq: 19 Apr 2017 21:54

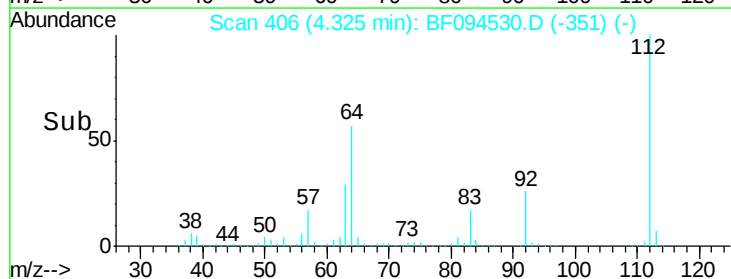
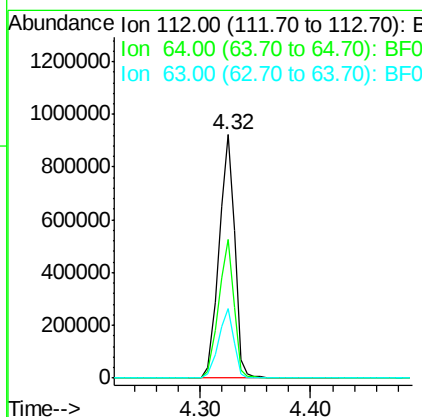
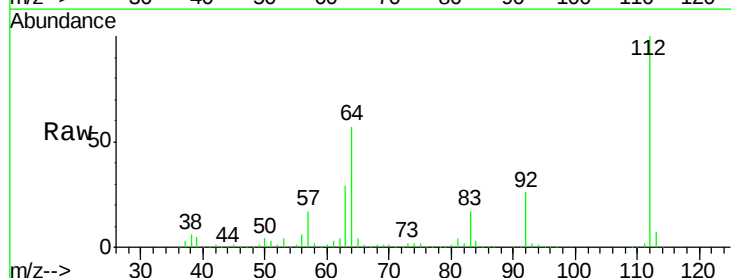
Instrument :
 BNA_F
 ClientSampled :
 E2-U6-BASE

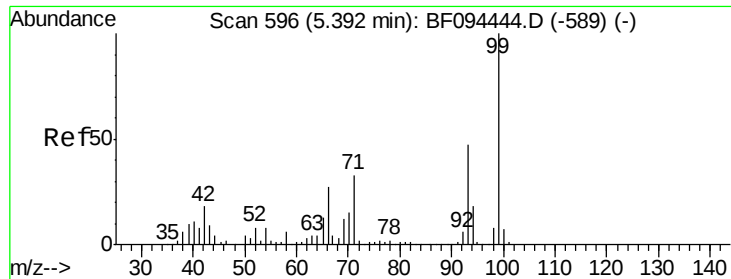
Tgt Ion:152 Resp: 126652
 Ion Ratio Lower Upper
 152 100
 150 152.5 126.2 189.2
 115 60.1 52.2 78.2



#5
 2-Fluorophenol
 Concen: 119.03 ng
 RT: 4.32 min Scan# 406
 Delta R.T. 0.02 min
 Lab File: BF094530.D
 Acq: 19 Apr 2017 21:54

Tgt Ion:112 Resp: 908703
 Ion Ratio Lower Upper
 112 100
 64 57.1 46.0 69.0
 63 28.8 23.4 35.0





#7

Phenol-d6

Concen: 126.21 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Instrument :

BNA_F

ClientSampled :

E2-U6-BASE

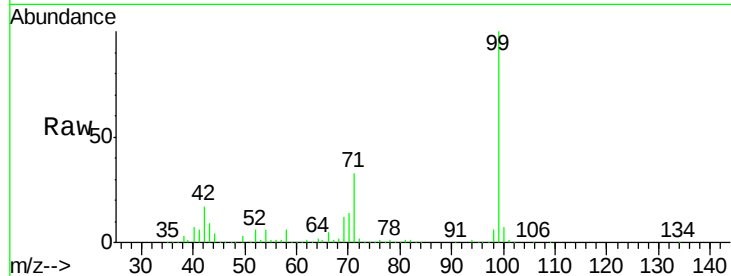
Tgt Ion: 99 Resp: 1135861

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

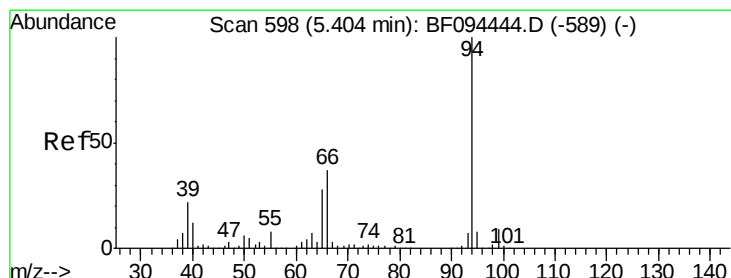
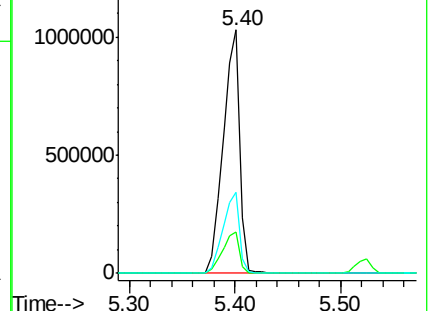
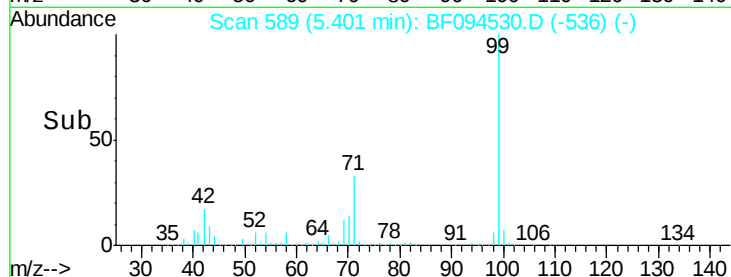
71 33.2 24.5 36.7



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: 2.78 ng

RT: 5.41 min Scan# 590

Delta R.T. 0.00 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

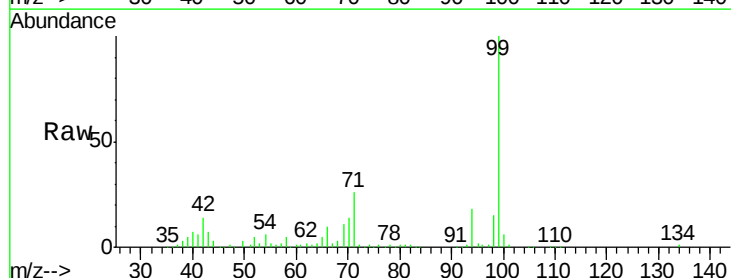
Tgt Ion: 94 Resp: 30743

Ion Ratio Lower Upper

94 100

65 30.7 9.9 49.9

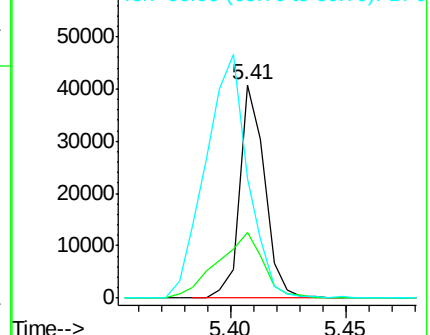
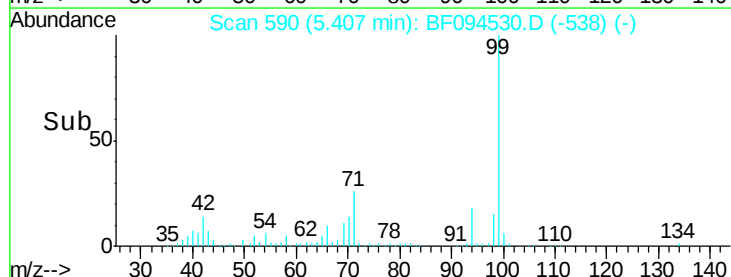
66 55.8 23.1 63.1

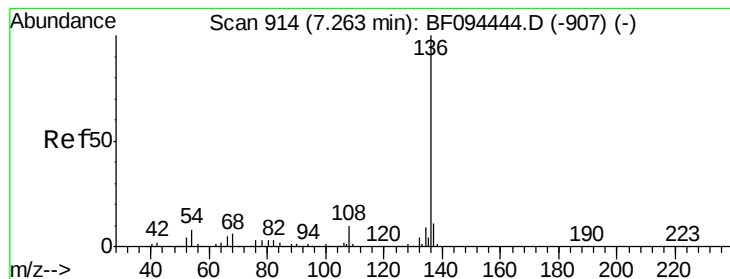


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 7.26 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Instrument :

BNA_F

ClientSampleId :

E2-U6-BASE

Tgt Ion:136 Resp: 514142

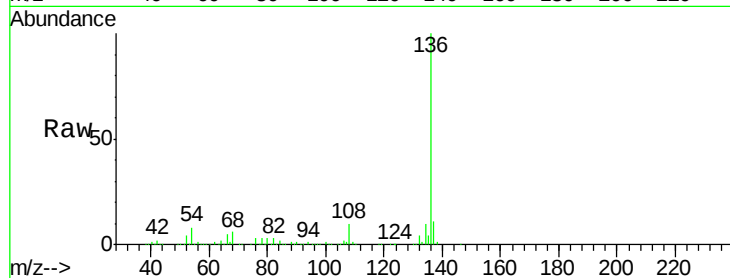
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 7.8 4.9 7.3#

68 5.9 4.1 6.1

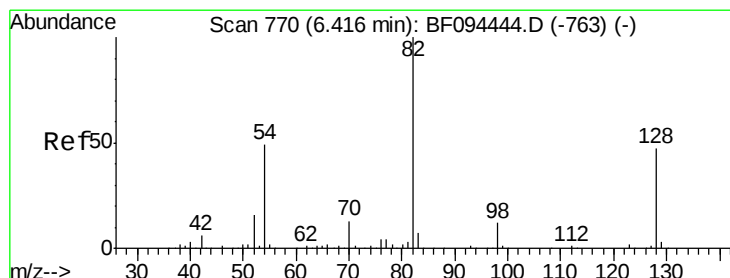
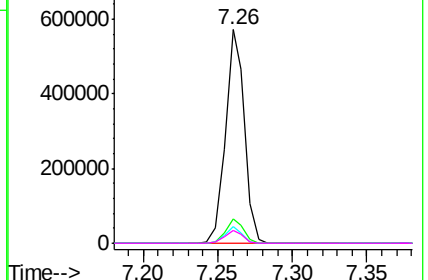
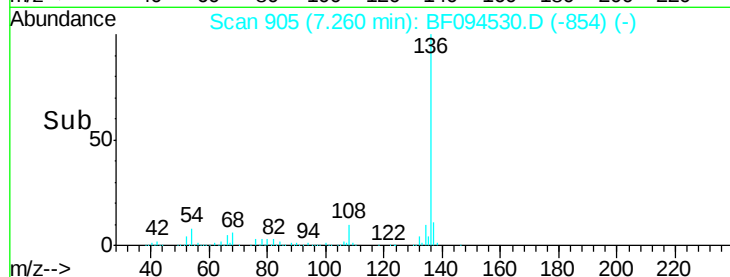


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 84.40 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

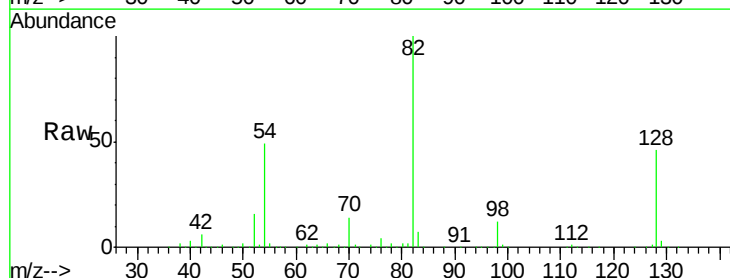
Tgt Ion: 82 Resp: 702737

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

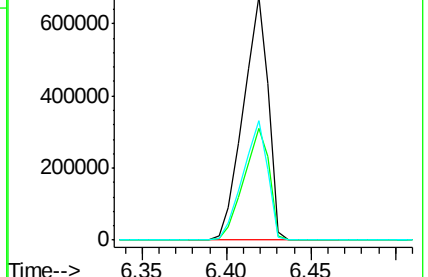
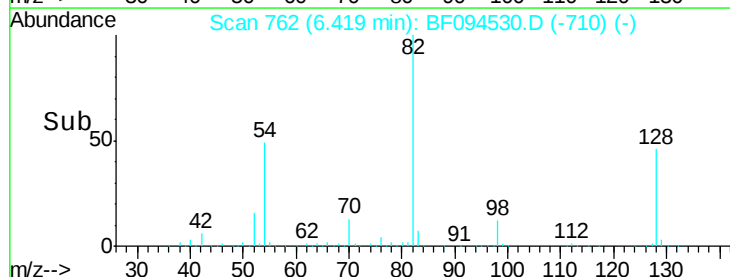
54 48.9 42.2 63.2

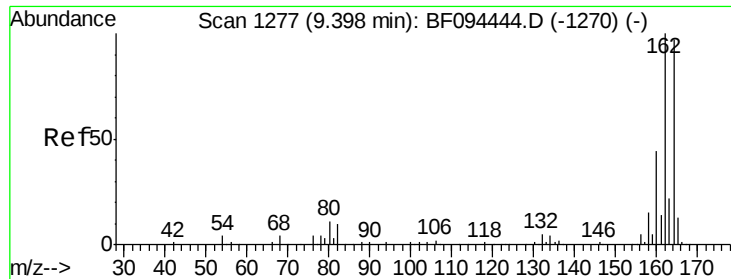


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

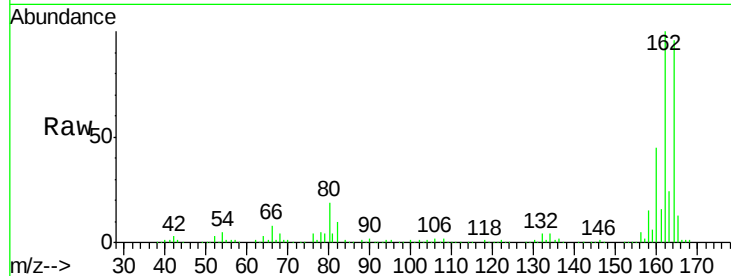




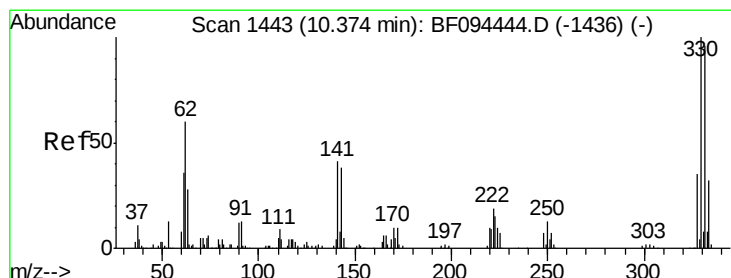
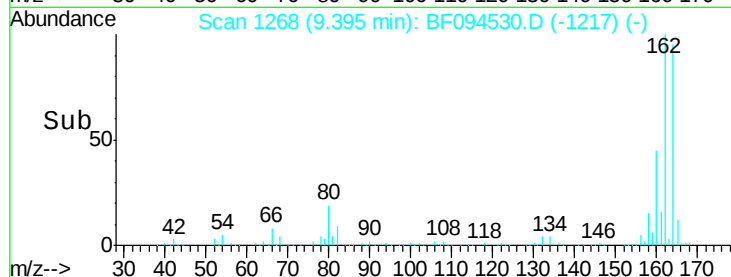
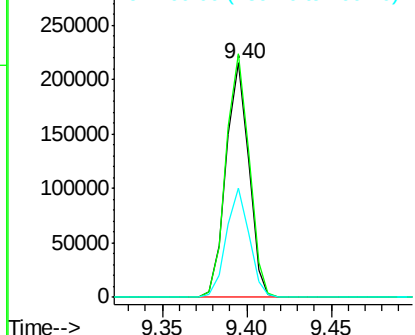
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.40 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF094530.D
Acq: 19 Apr 2017 21:54

Instrument :
BNA_F
ClientSampleId :
E2-U6-BASE

Tgt Ion:164 Resp: 202360
Ion Ratio Lower Upper
164 100
162 103.8 82.6 123.8
160 46.3 36.2 54.2

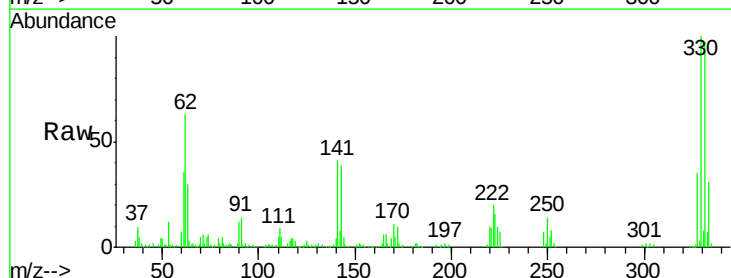


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

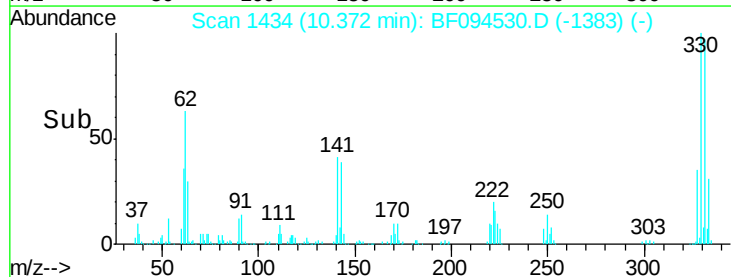
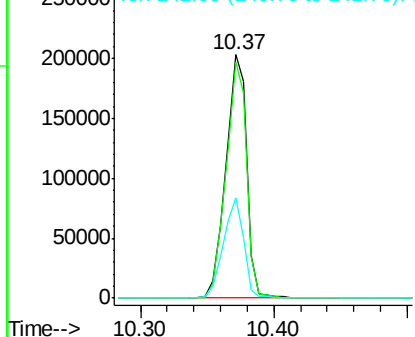


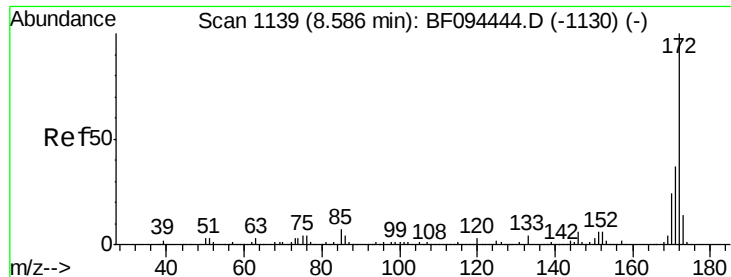
#41
2,4,6-Tribromophenol
Concen: 141.97 ng
RT: 10.37 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BF094530.D
Acq: 19 Apr 2017 21:54

Tgt Ion:330 Resp: 224714
Ion Ratio Lower Upper
330 100
332 95.8 76.6 115.0
141 40.2 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

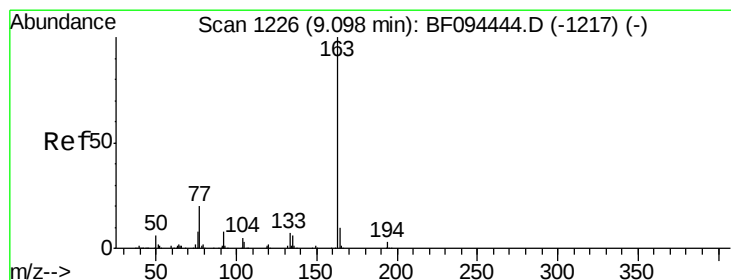
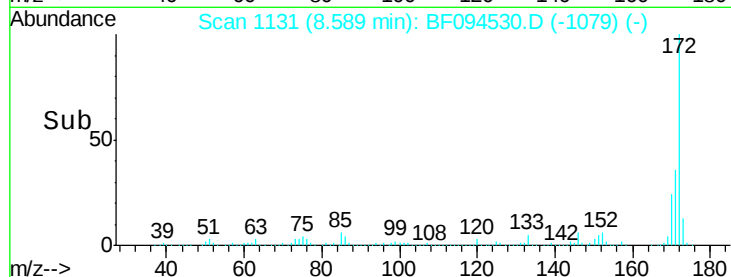
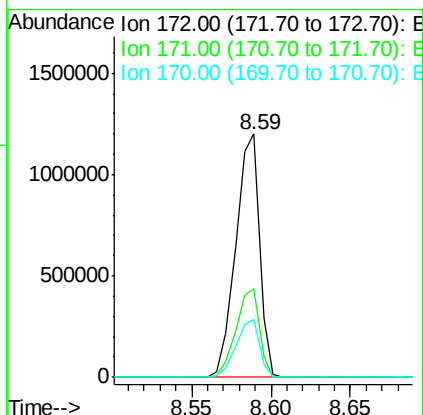
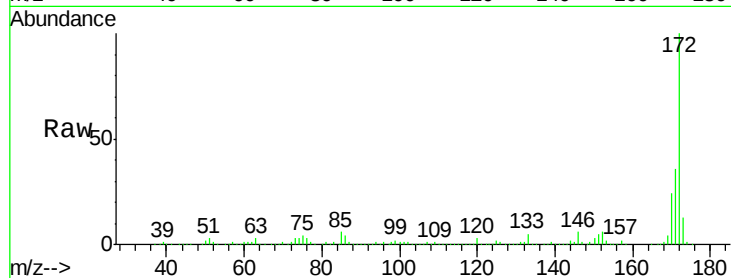




#44
 2-Fluorobiphenyl
 Concen: 90.33 ng
 RT: 8.59 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BF094530.D
 Acq: 19 Apr 2017 21:54

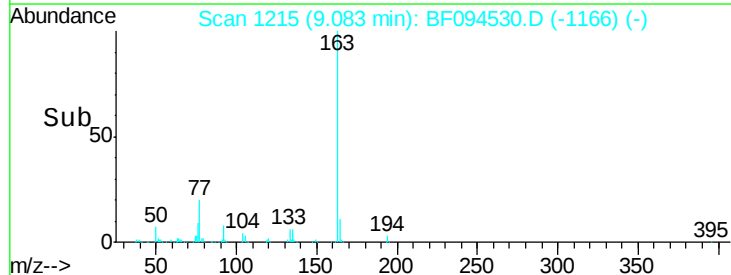
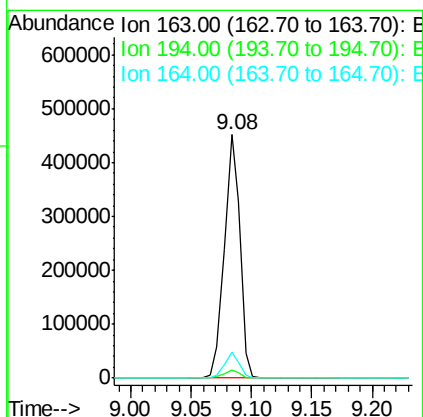
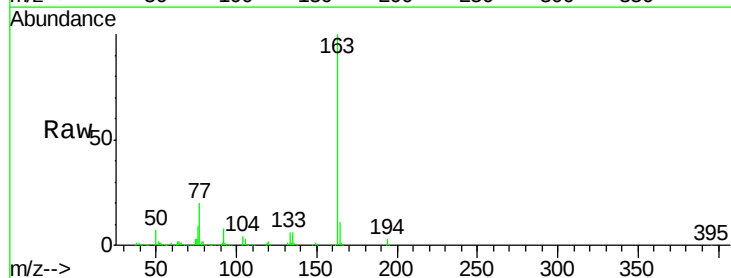
Instrument :
 BNA_F
 ClientSampleId :
 E2-U6-BASE

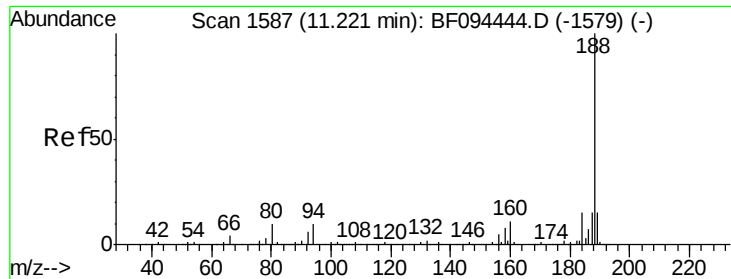
Tgt Ion:172 Resp: 1242305
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.1 19.8 29.8



#49
 Dimethylphthalate
 Concen: 26.61 ng
 RT: 9.08 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF094530.D
 Acq: 19 Apr 2017 21:54

Tgt Ion:163 Resp: 401313
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.6 4.0
 164 10.6 8.4 12.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Instrument :

BNA_F

ClientSampleId :

E2-U6-BASE

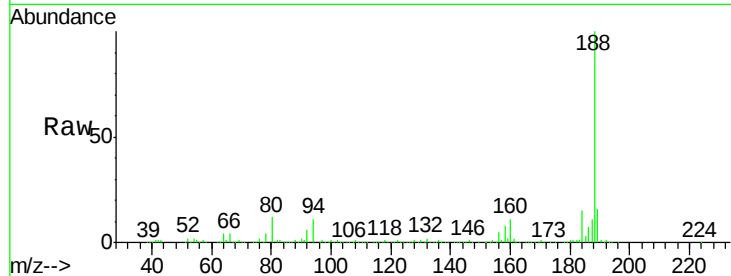
Tgt Ion:188 Resp: 384286

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

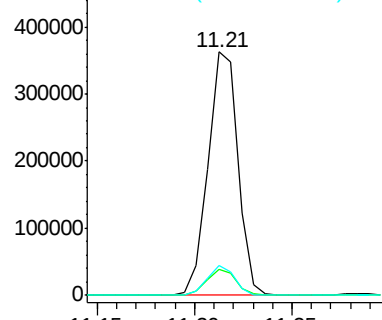
80 12.4 10.2 15.2



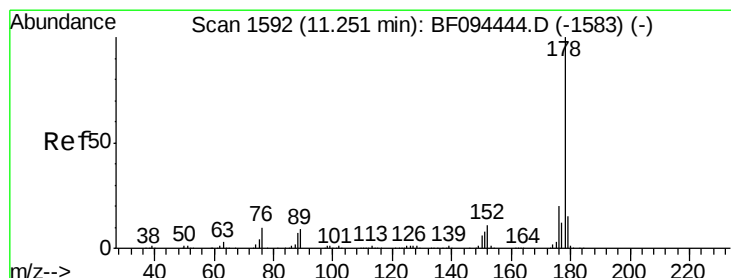
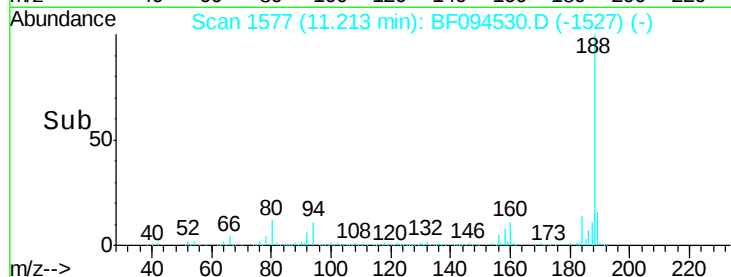
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time--> 11.15 11.20 11.25



#70

Phenanthrene

Concen: 9.43 ng

RT: 11.24 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

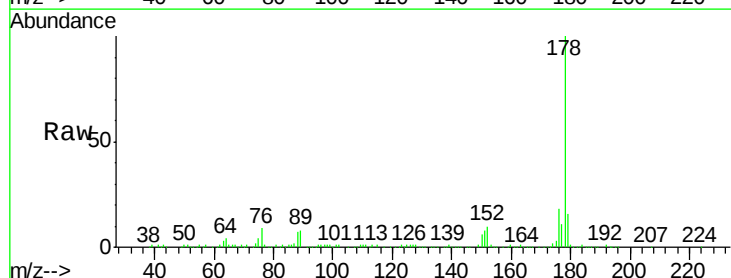
Tgt Ion:178 Resp: 204075

Ion Ratio Lower Upper

178 100

176 18.3 16.2 24.4

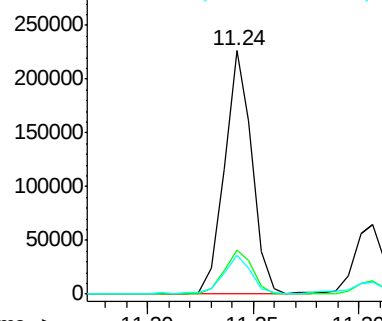
179 16.0 12.6 19.0



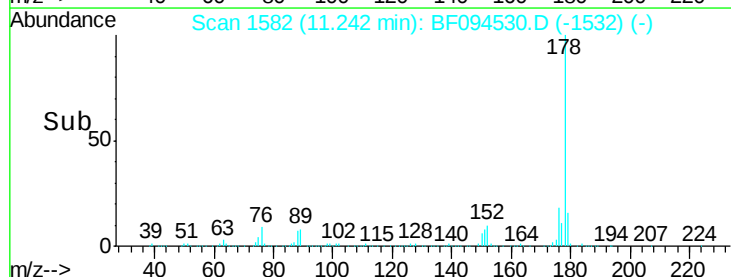
Abundance Ion 178.00 (177.70 to 178.70): E

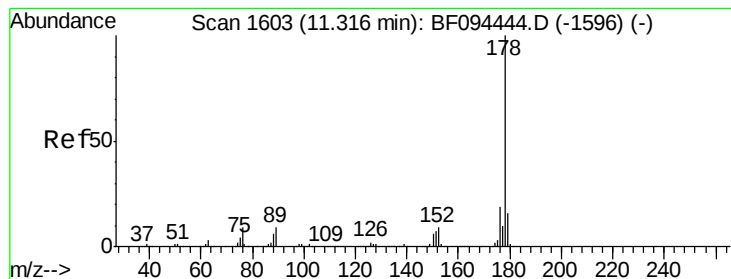
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.20 11.25 11.30





#71

Anthracene

Concen: 2.77 ng

RT: 11.31 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Instrument :

BNA_F

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E2-U6-BASE

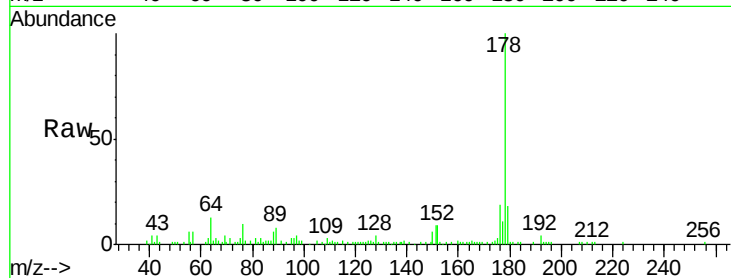
Tgt Ion:178 Resp: 61920

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

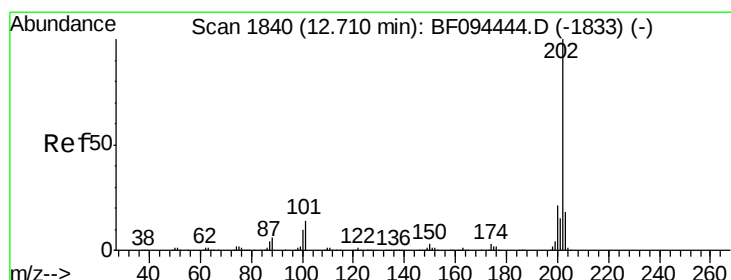
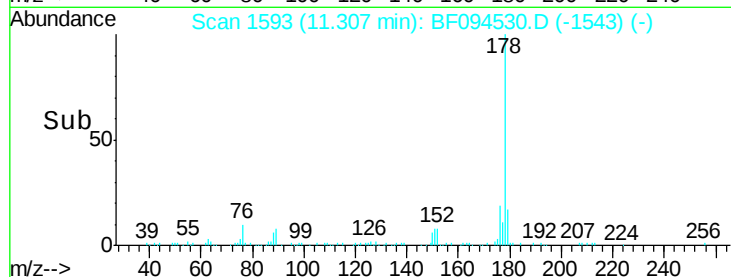
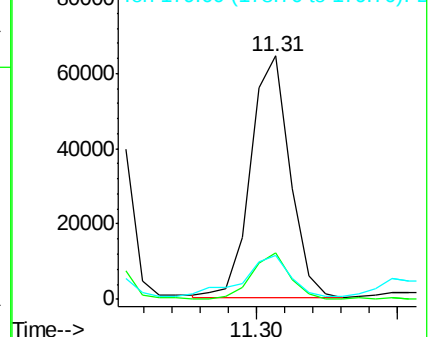
179 18.0 12.7 19.1



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: 13.52 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

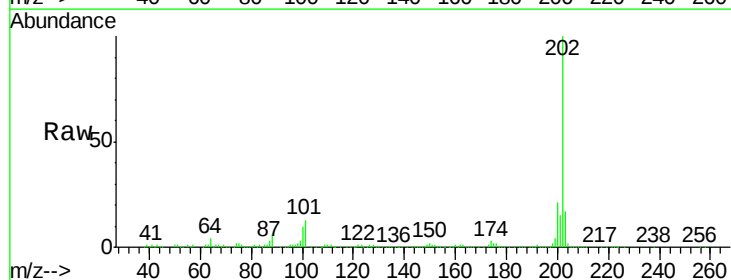
Tgt Ion:202 Resp: 303318

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.2

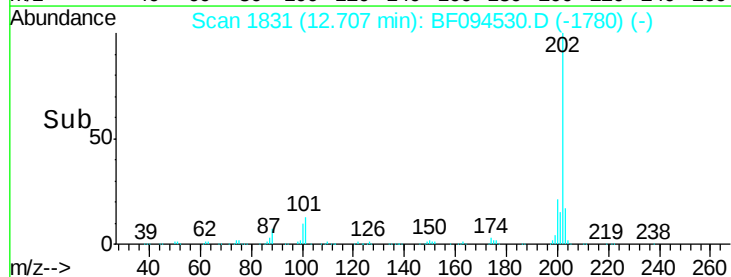
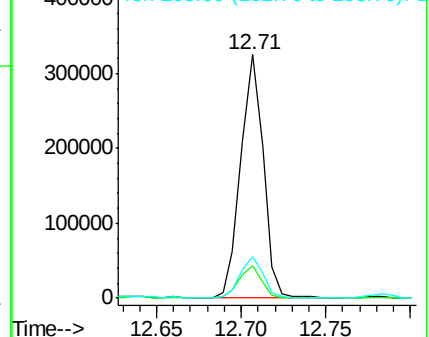
203 17.2 0.0 38.1

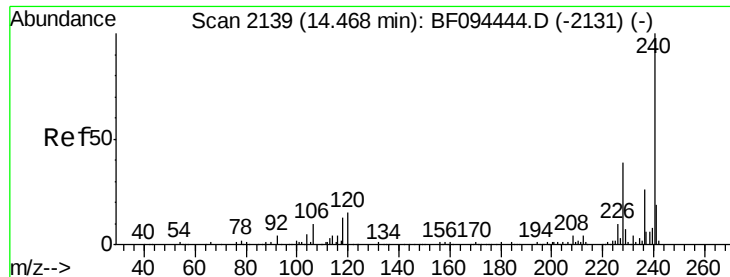


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Instrument :

BNA_F

ClientSampleId :

E2-U6-BASE

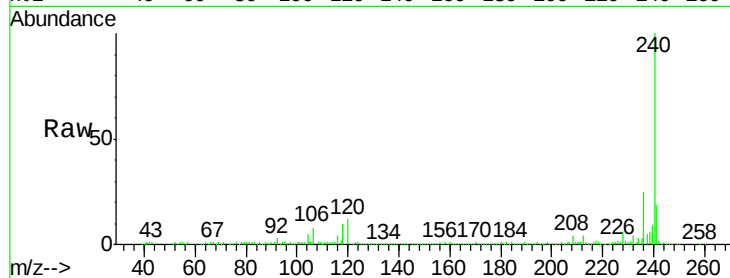
Tgt Ion:240 Resp: 268454

Ion Ratio Lower Upper

240 100

120 12.3 5.8 8.8#

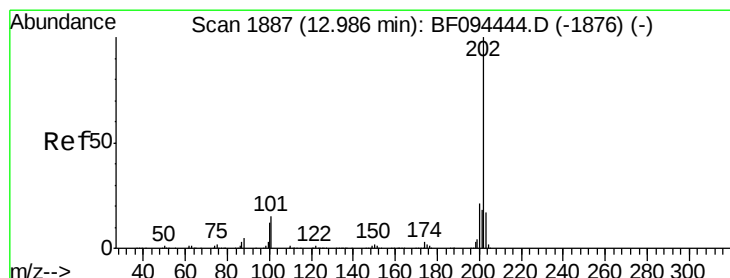
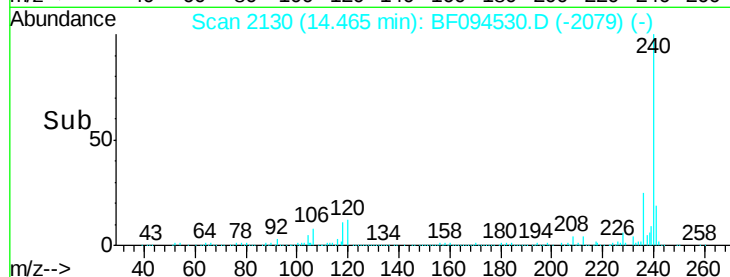
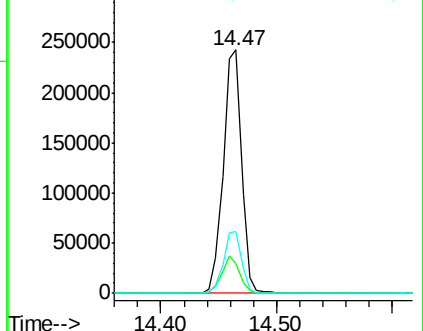
236 25.4 20.5 30.7



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: 17.68 ng

RT: 12.98 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

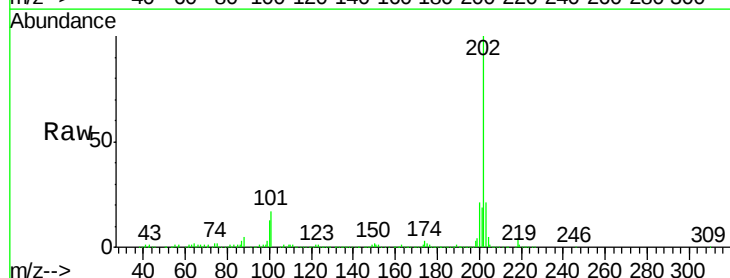
Tgt Ion:202 Resp: 331683

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

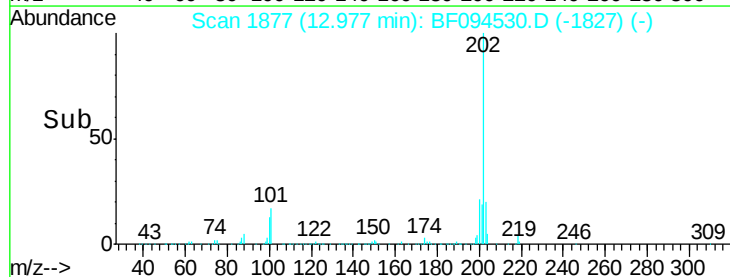
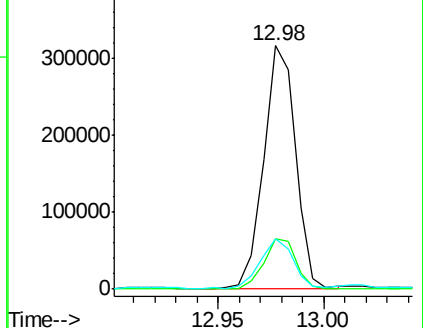
203 20.6 14.4 21.6

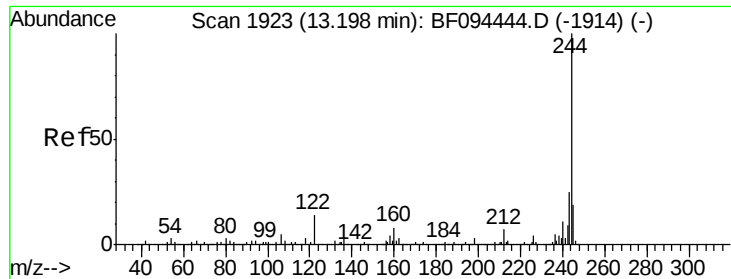


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 90.24 ng

RT: 13.19 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Instrument :

BNA_F

ClientSampleId :

E2-U6-BASE

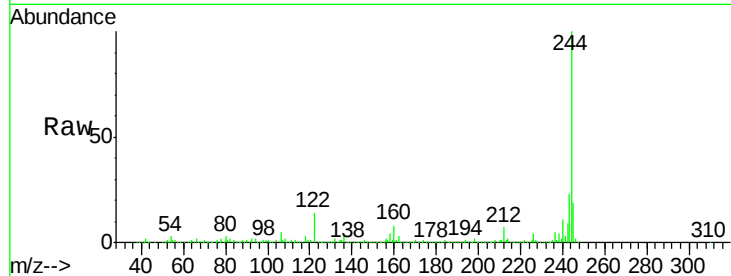
Tgt Ion:244 Resp: 906326

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

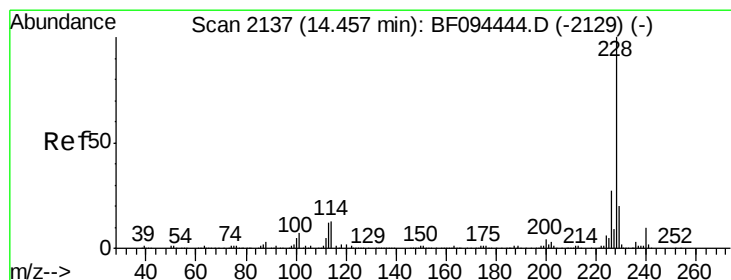
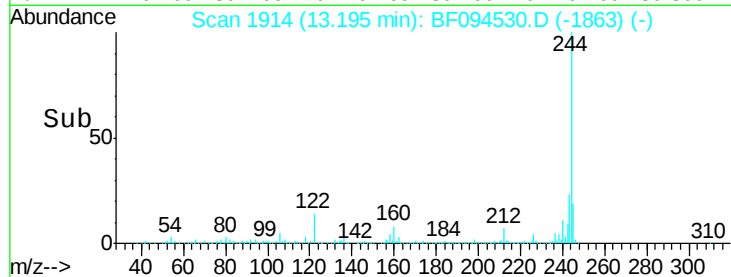
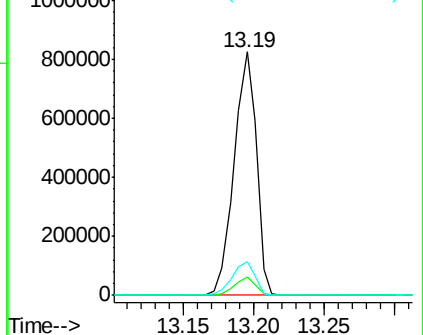
122 13.8 10.3 15.5



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: 7.76 ng

RT: 14.45 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

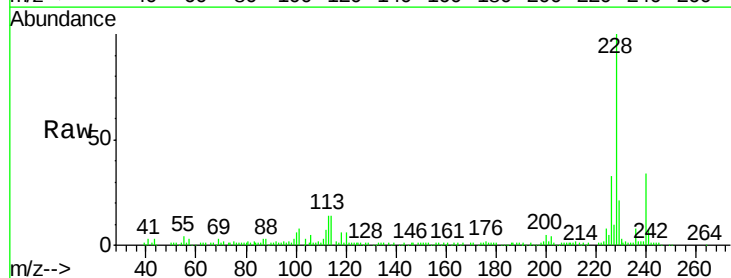
Tgt Ion:228 Resp: 121025

Ion Ratio Lower Upper

228 100

226 33.1 22.6 33.8

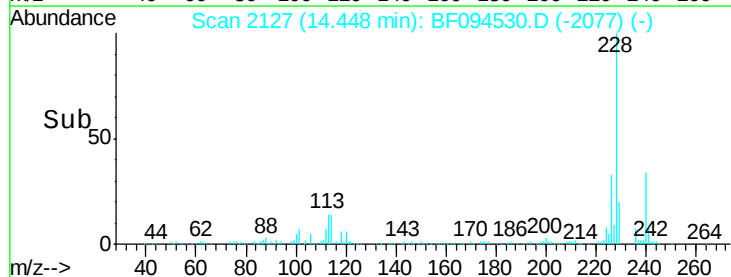
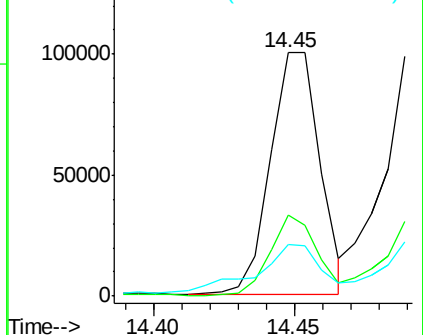
229 21.1 16.3 24.5

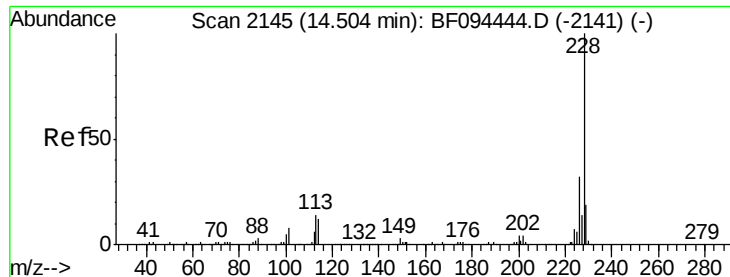


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.42 ng m

RT: 14.49 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Instrument :

BNA_F

ClientSampleId :

E2-U6-BASE

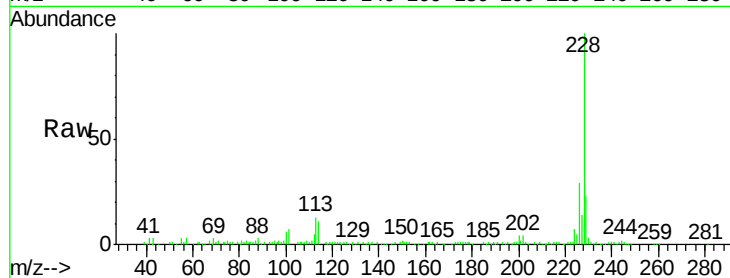
Tgt Ion:228 Resp: 134320

Ion Ratio Lower Upper

228 100

226 28.8 24.9 37.3

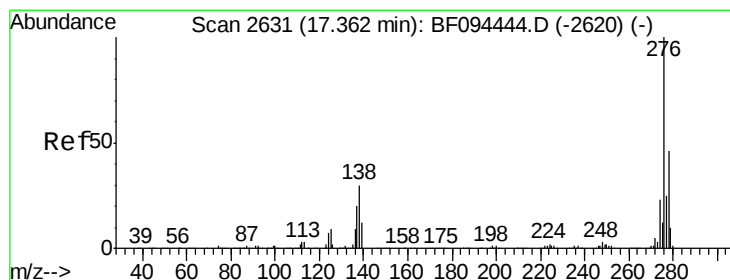
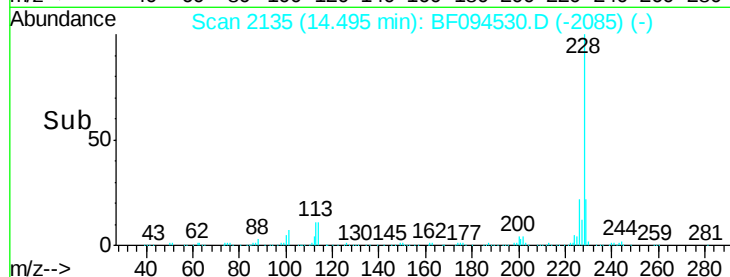
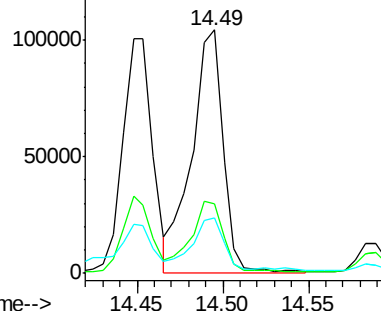
229 22.8 15.8 23.6



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: 6.11 ng

RT: 17.35 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

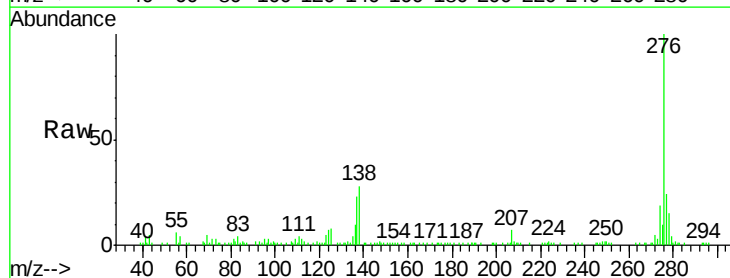
Tgt Ion:276 Resp: 82917

Ion Ratio Lower Upper

276 100

138 32.3 27.8 41.6

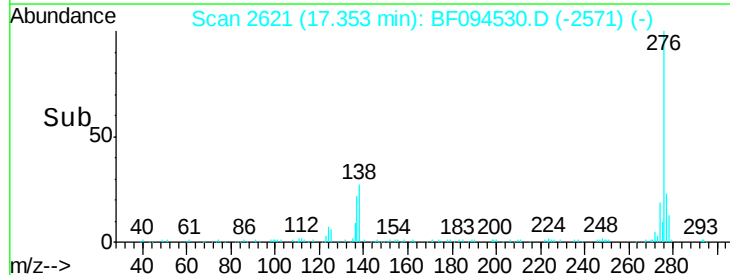
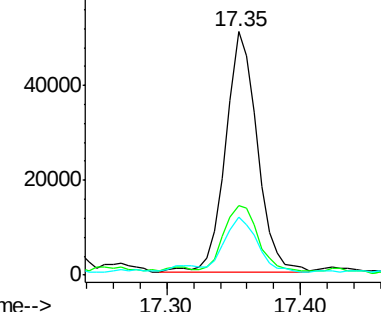
277 24.2 20.2 30.4

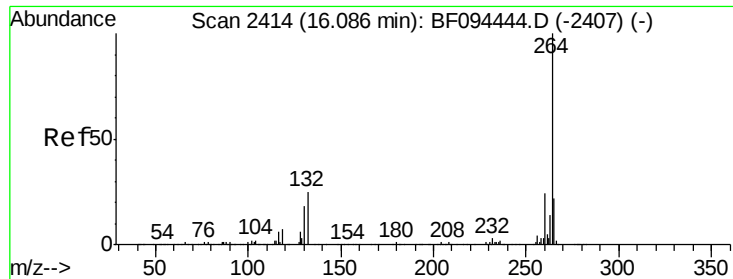


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

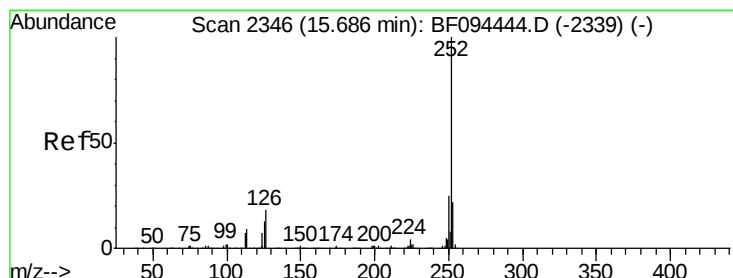
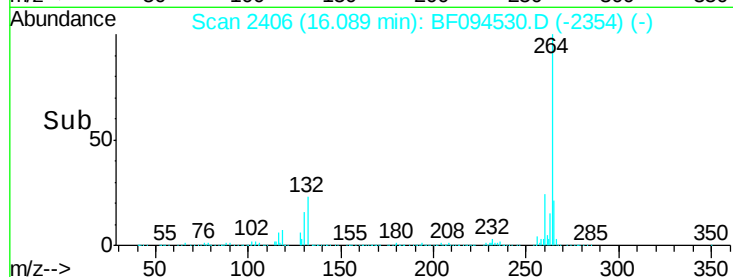
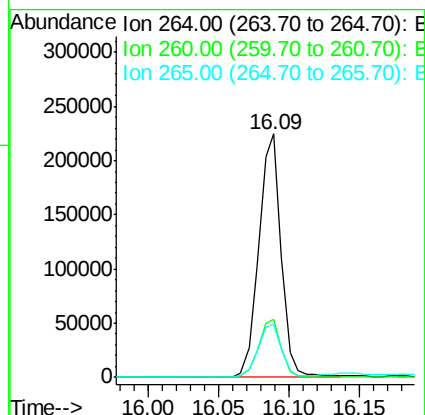
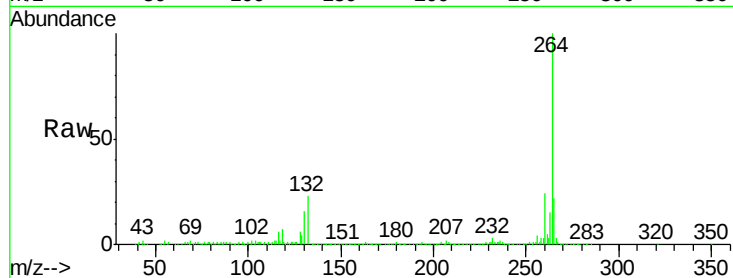




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BF094530.D
Acq: 19 Apr 2017 21:54

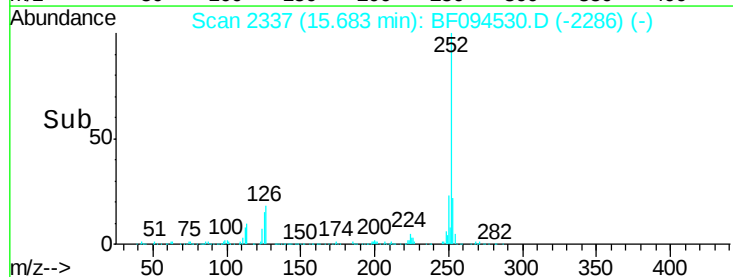
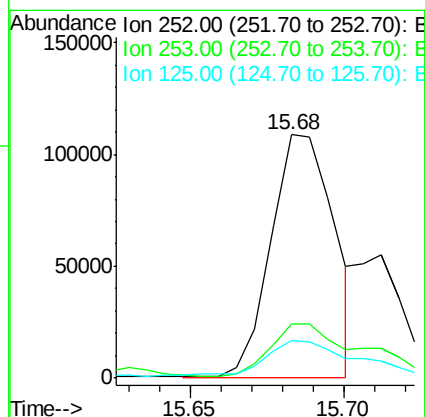
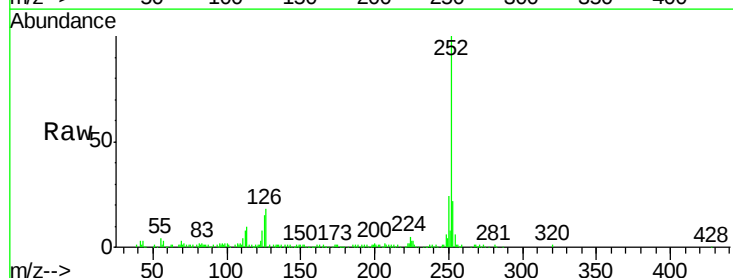
Instrument :
BNA_F
ClientSampleId :
E2-U6-BASE

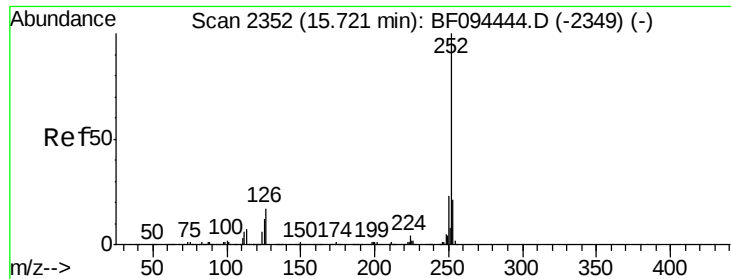
Tgt Ion:264 Resp: 251370
Ion Ratio Lower Upper
264 100
260 23.8 19.5 29.3
265 21.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 10.17 ng m
RT: 15.68 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BF094530.D
Acq: 19 Apr 2017 21:54

Tgt Ion:252 Resp: 156328
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 15.4 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 3.99 ng m

RT: 15.71 min Scan# 2342

Delta R.T. -0.01 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

Instrument :

BNA_F

ClientSampleId :

E2-U6-BASE

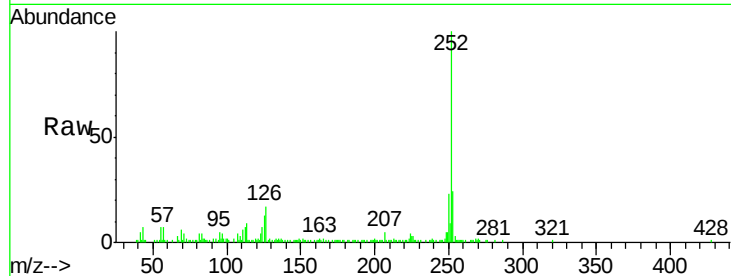
Tgt Ion:252 Resp: 58075

Ion Ratio Lower Upper

252 100

253 24.2 18.4 27.6

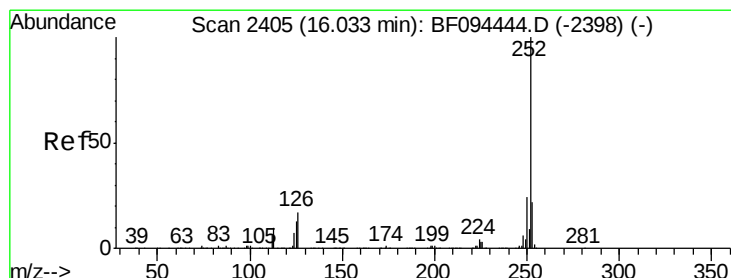
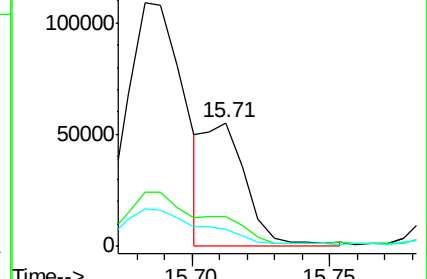
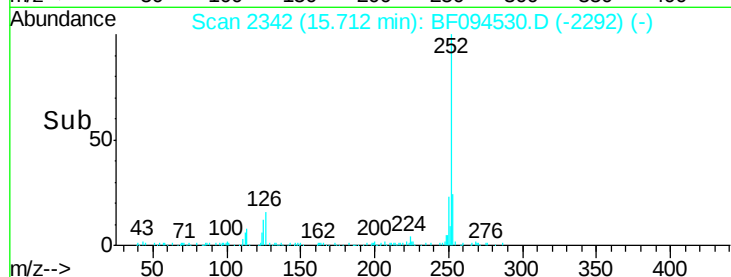
125 13.5 13.1 19.7



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: 9.24 ng

RT: 16.03 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BF094530.D

Acq: 19 Apr 2017 21:54

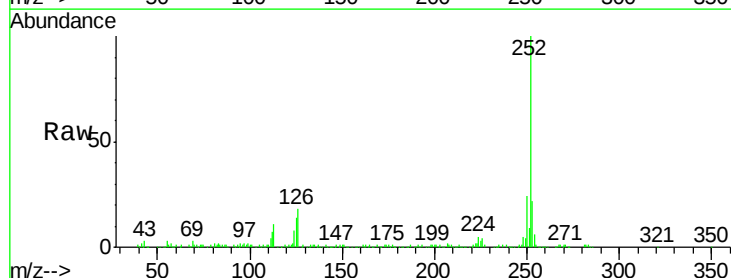
Tgt Ion:252 Resp: 132158

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

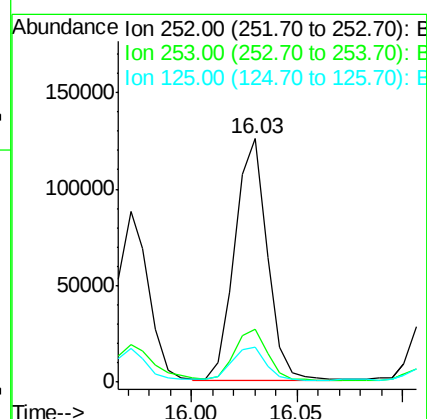
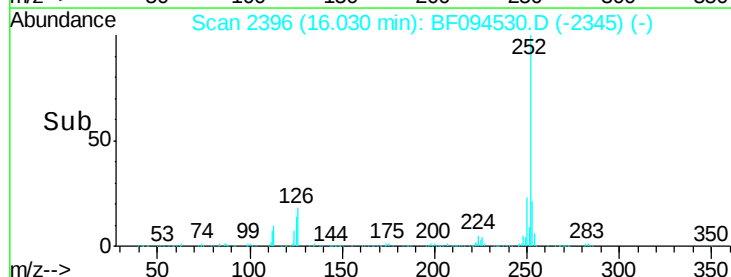
125 14.3 11.0 16.4

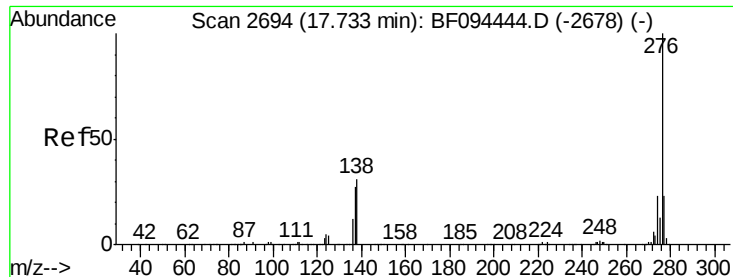


Abundance Ion 252.00 (251.70 to 252.70): E

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: 7.42 ng
 RT: 17.73 min Scan# 2685
 Delta R.T. -0.00 min
 Lab File: BF094530.D
 Acq: 19 Apr 2017 21:54

Instrument :
 BNA_F
 ClientSampleId :
 E2-U6-BASE

Tgt Ion:	276	Resp:	89771
Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	28.0
138	29.1	25.4	38.0

