

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041917\
 Data File : BF094522.D
 Acq On : 19 Apr 2017 18:13
 Operator : SJ/MA
 Sample : I2750-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-U5-SSW

Quant Time: Apr 20 04:29:29 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

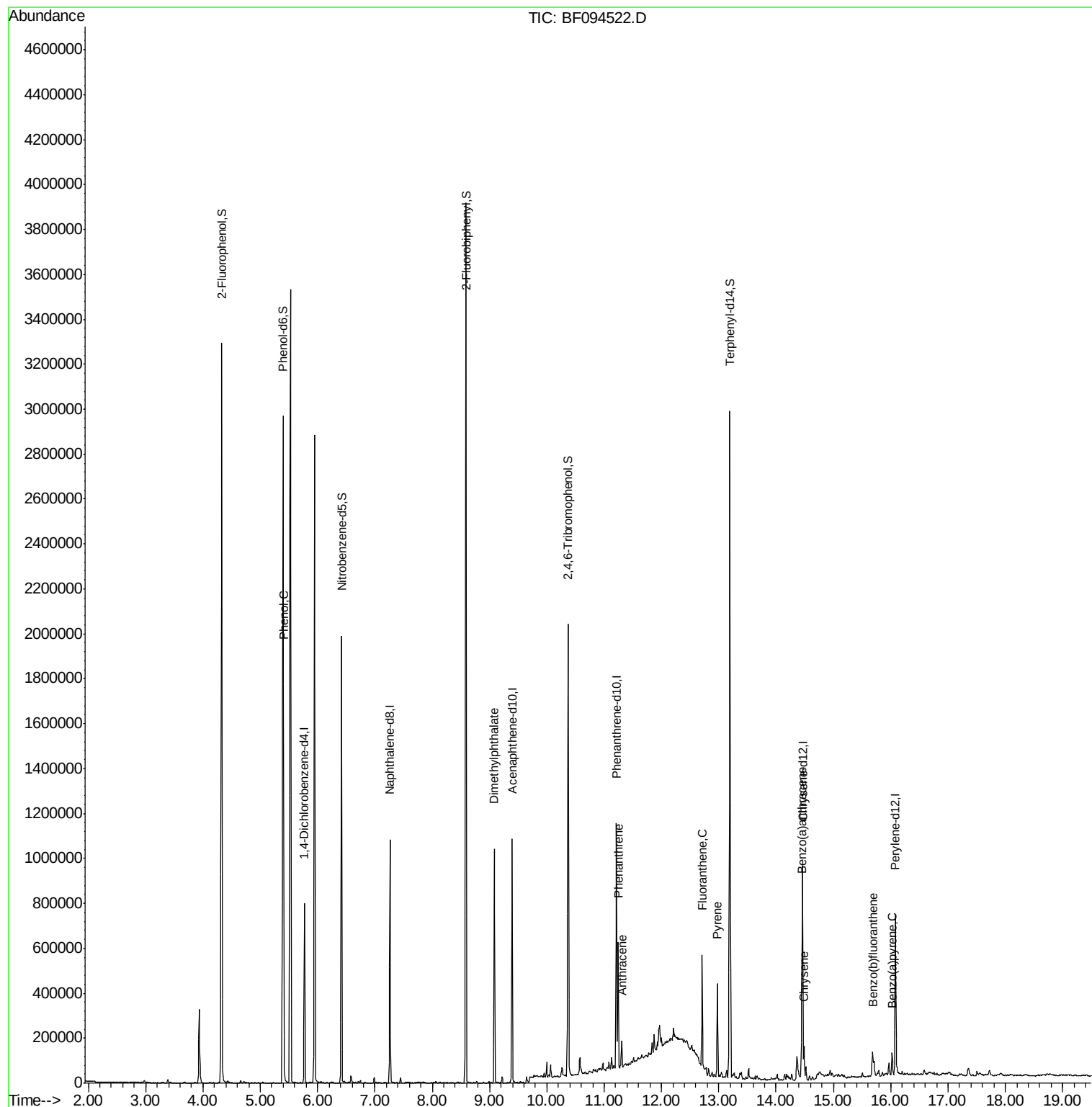
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	128559	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	506727	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	221176	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	440775	20.00	ng	0.00
75) Chrysene-d12	14.46	240	332734	20.00	ng	0.00
86) Perylene-d12	16.08	264	269417	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	1033316	133.35	ng	0.02
7) Phenol-d6	5.40	99	1299793	142.28	ng	0.00
23) Nitrobenzene-d5	6.42	82	803207	97.88	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	271874	157.15	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1411977	93.93	ng	0.00
78) Terphenyl-d14	13.20	244	1209991	97.20	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.41	94	31808	2.83	ng	87
49) Dimethylphthalate	9.08	163	437794	26.56	ng	100
70) Phenanthrene	11.24	178	218897	8.82	ng	98
71) Anthracene	11.31	178	51648	2.01	ng	96
74) Fluoranthene	12.71	202	208557	8.11	ng	97
77) Pyrene	12.98	202	172820	7.43	ng	98
80) Benzo(a)anthracene	14.45	228	67726	3.50	ng	95
82) Chrysene	14.49	228	56231	3.18	ng	95
87) Benzo(b)fluoranthene	15.68	252	51406	3.12	ng	# 96
89) Benzo(a)pyrene	16.02	252	38979	2.54	ng	99

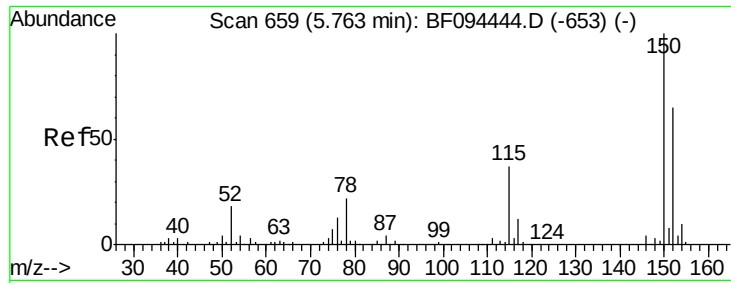
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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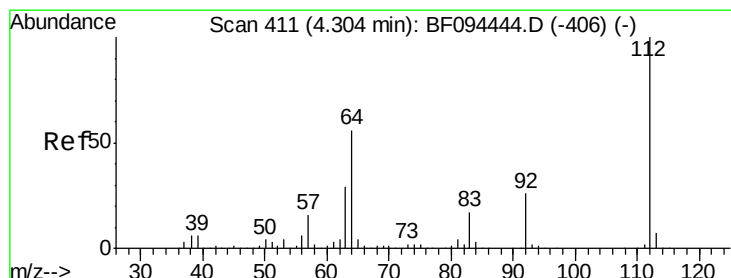
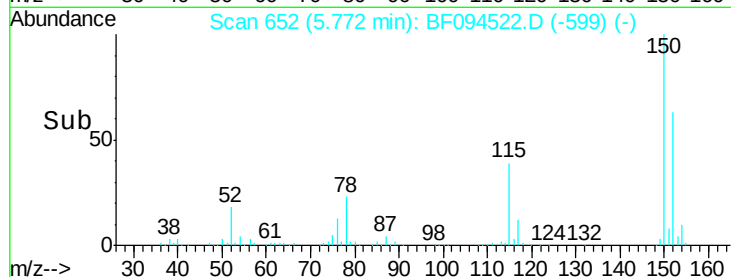
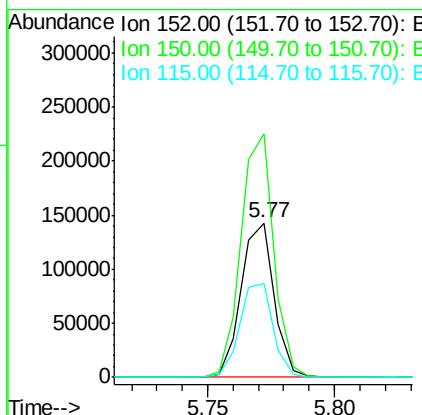
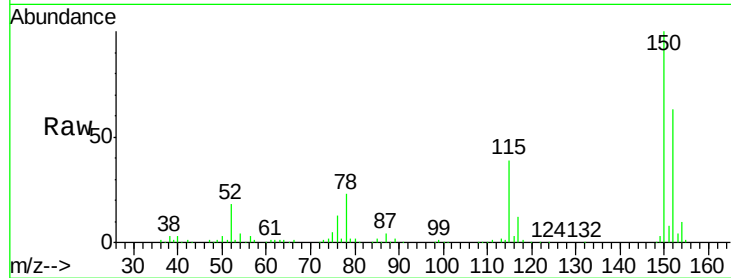




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.77 min Scan# 652
 Delta R.T. 0.01 min
 Lab File: BF094522.D
 Acq: 19 Apr 2017 18:13

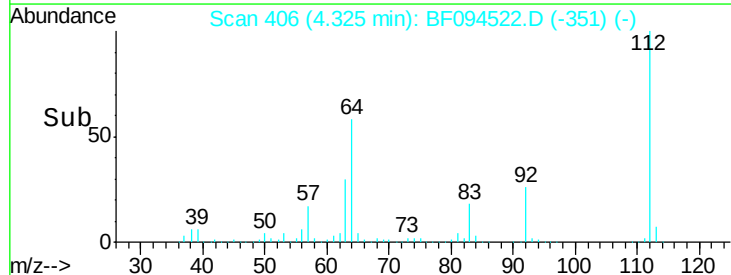
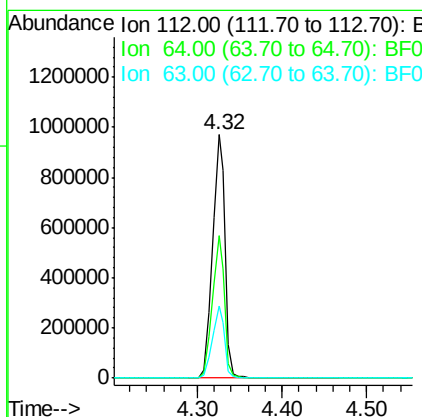
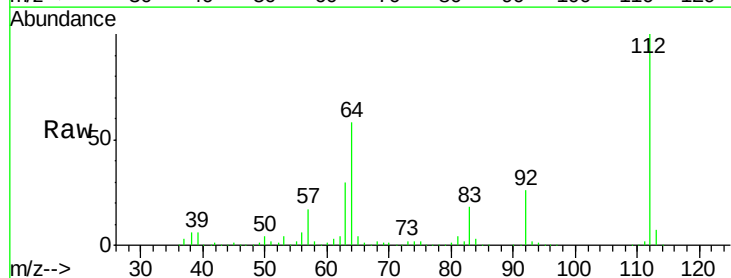
Instrument :
 BNA_F
 ClientSampleId :
 E2-U5-SSW

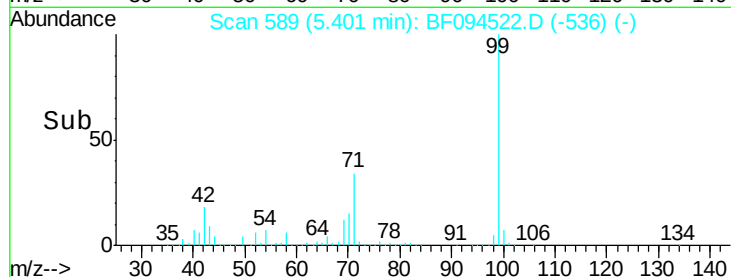
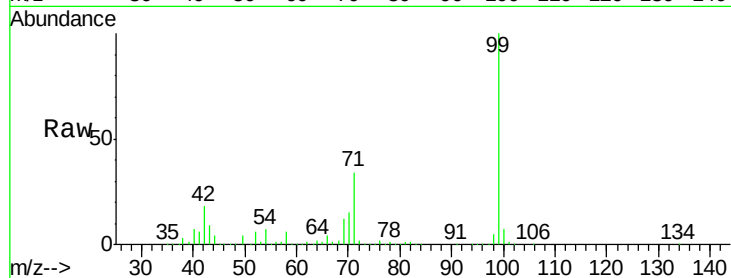
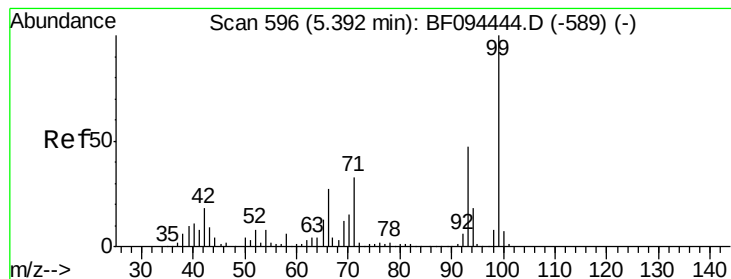
Tgt Ion:152 Resp: 128559
 Ion Ratio Lower Upper
 152 100
 150 157.8 126.2 189.2
 115 60.8 52.2 78.2



#5
 2-Fluorophenol
 Concen: 133.35 ng
 RT: 4.32 min Scan# 406
 Delta R.T. 0.02 min
 Lab File: BF094522.D
 Acq: 19 Apr 2017 18:13

Tgt Ion:112 Resp: 1033316
 Ion Ratio Lower Upper
 112 100
 64 58.4 46.0 69.0
 63 29.7 23.4 35.0





#7

Phenol-d6

Concen: 142.28 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

Instrument :

BNA_F

ClientSampleId :

E2-U5-SSW

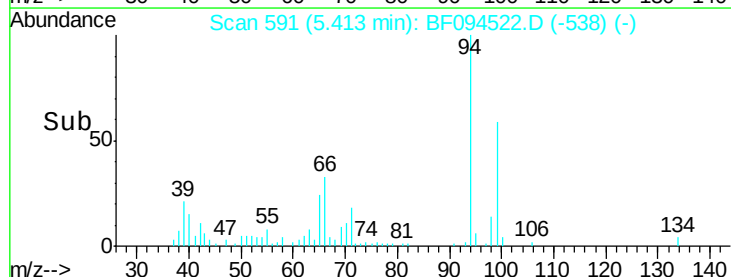
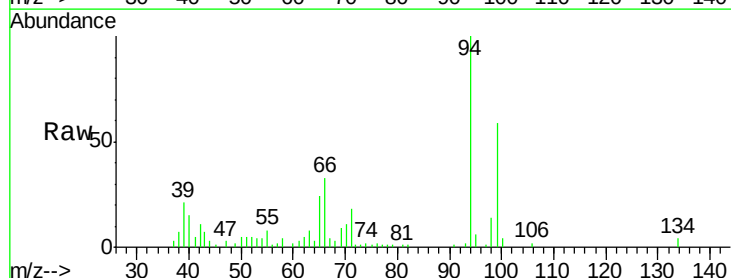
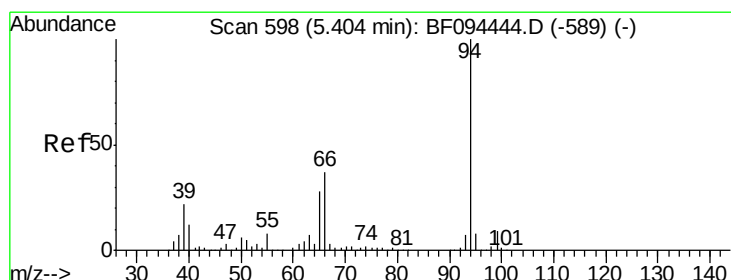
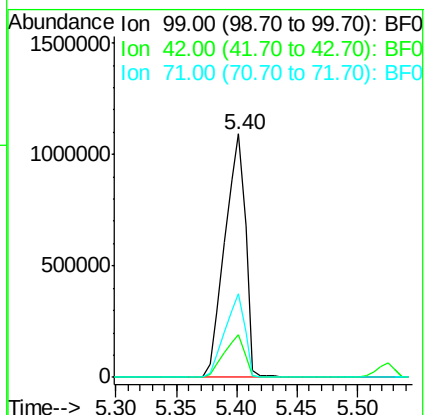
Tgt Ion: 99 Resp: 1299793

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

71 34.1 24.5 36.7



#10

Phenol

Concen: 2.83 ng

RT: 5.41 min Scan# 591

Delta R.T. 0.01 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

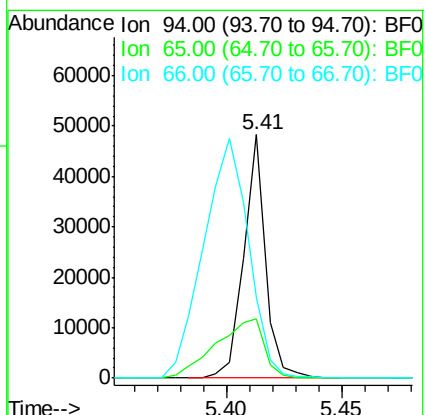
Tgt Ion: 94 Resp: 31808

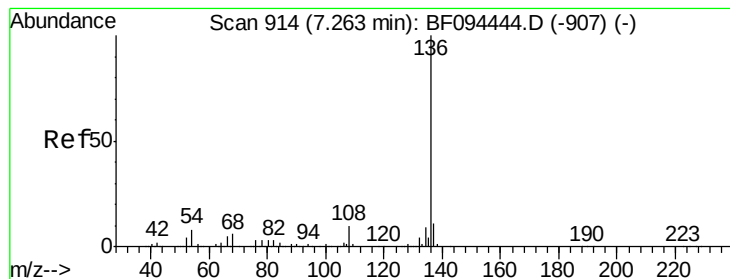
Ion Ratio Lower Upper

94 100

65 24.4 9.9 49.9

66 33.2 23.1 63.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

Instrument :

BNA_F

ClientSampleId :

E2-U5-SSW

Tgt Ion:136 Resp: 506727

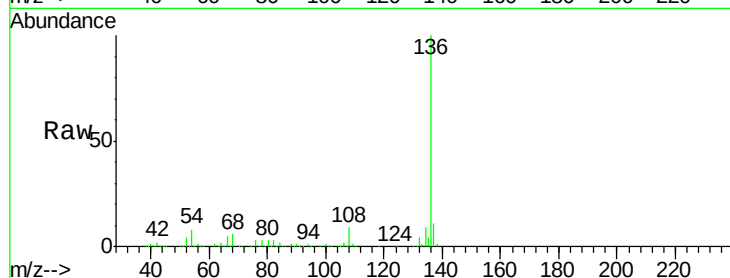
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.6 4.9 7.3#

68 6.0 4.1 6.1

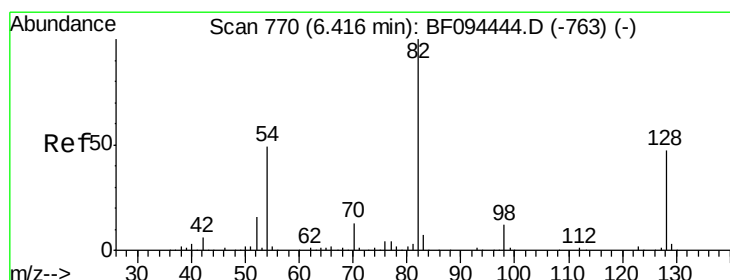
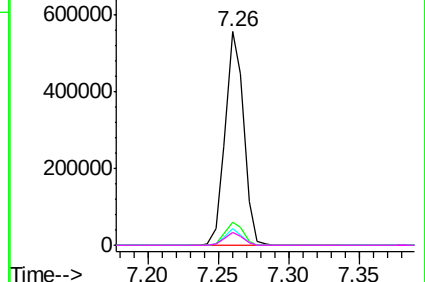
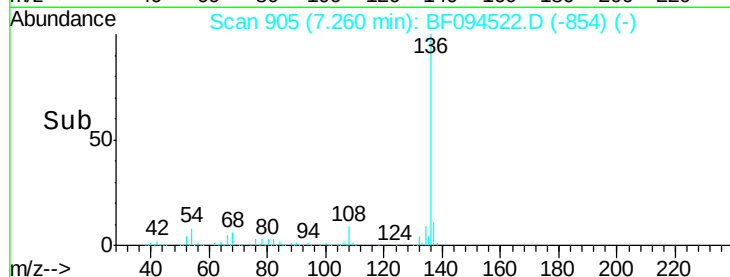


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.88 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

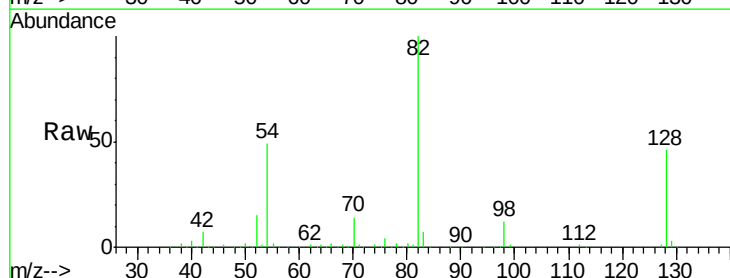
Tgt Ion: 82 Resp: 803207

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

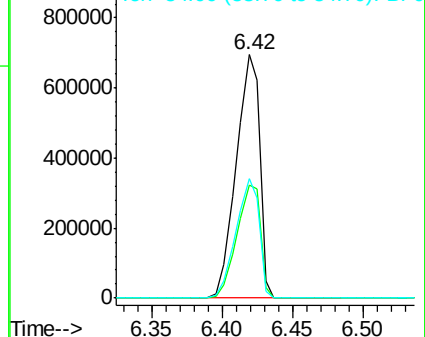
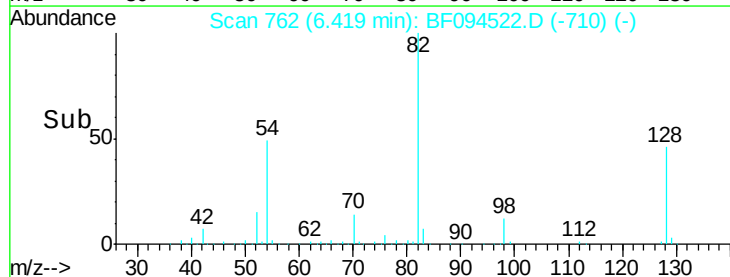
54 49.3 42.2 63.2

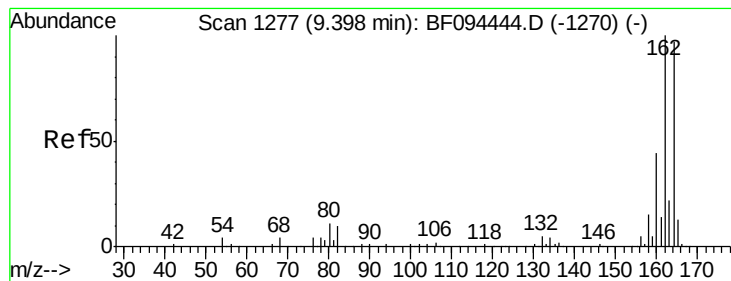


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF094522.D

Acq: 19 Apr 2017 18:13

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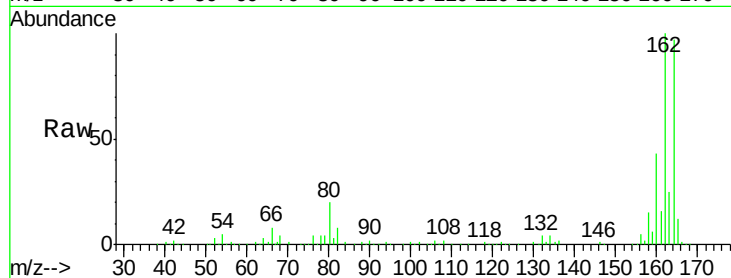
Tgt Ion:164 Resp: 221176

Ion Ratio Lower Upper

164 100

162 102.9 82.6 123.8

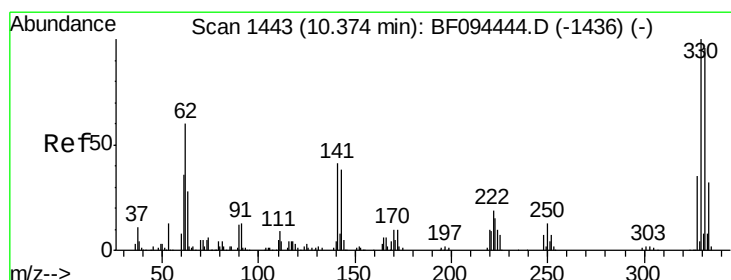
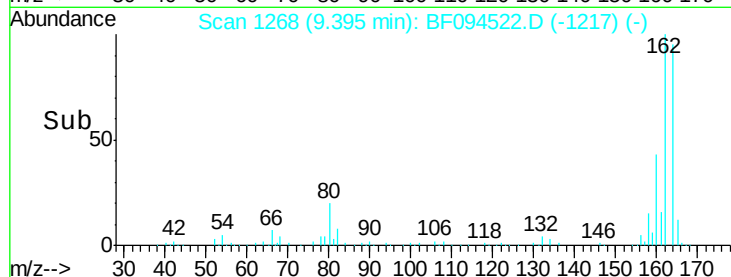
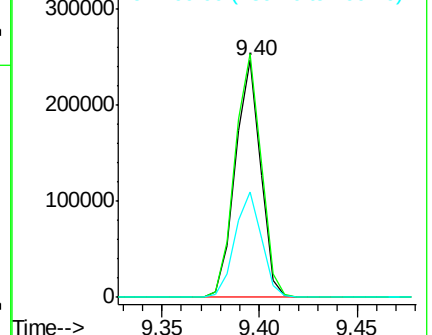
160 44.7 36.2 54.2



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: 157.15 ng

RT: 10.38 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

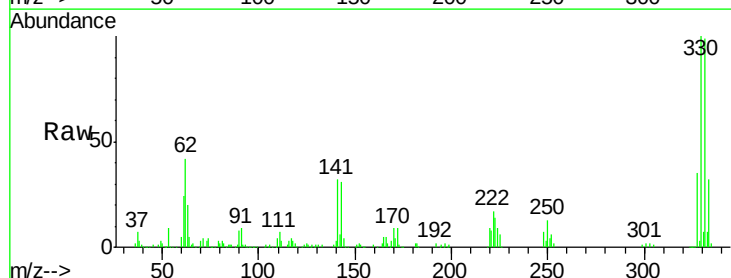
Tgt Ion:330 Resp: 271874

Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

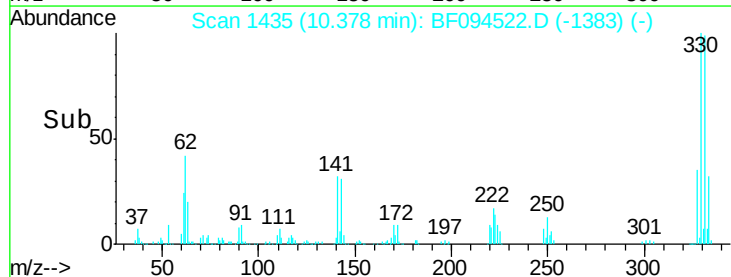
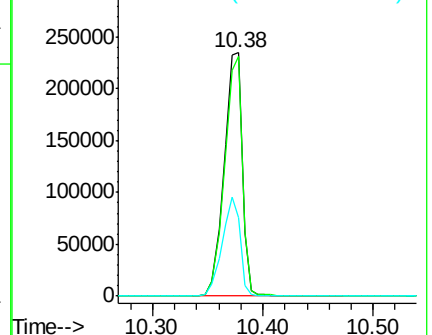
141 39.6 31.4 47.2

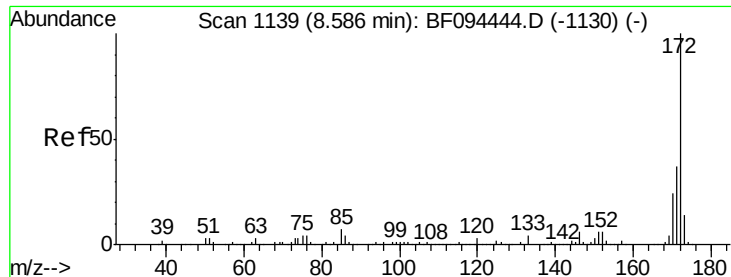


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

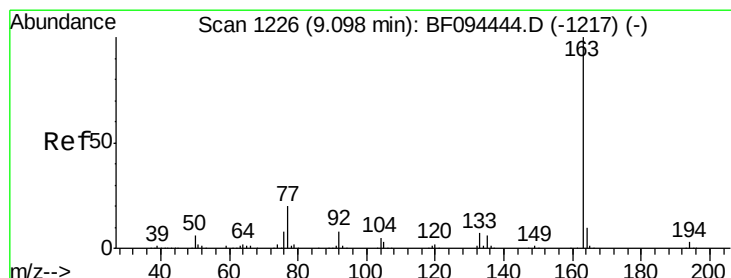
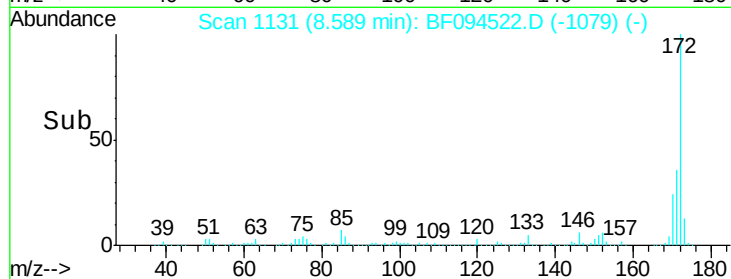
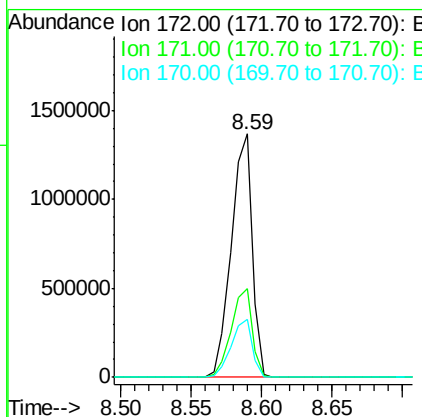
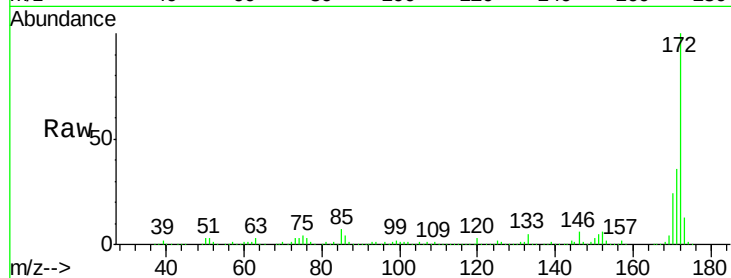




#44
 2-Fluorobiphenyl
 Concen: 93.93 ng
 RT: 8.59 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BF094522.D
 Acq: 19 Apr 2017 18:13

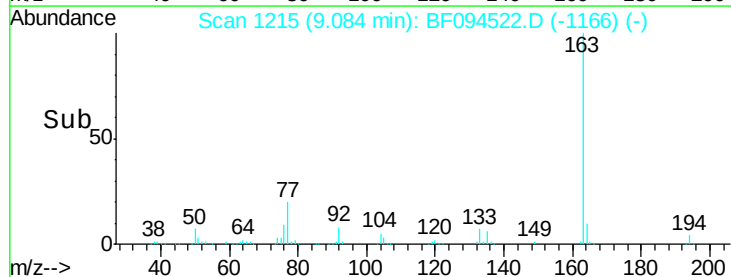
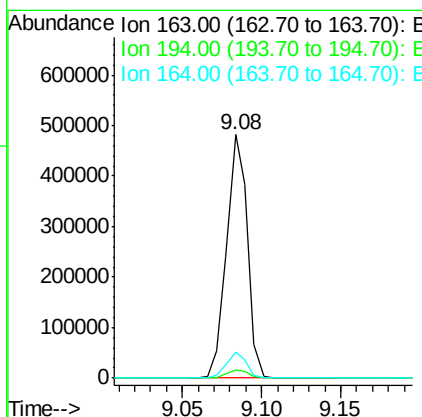
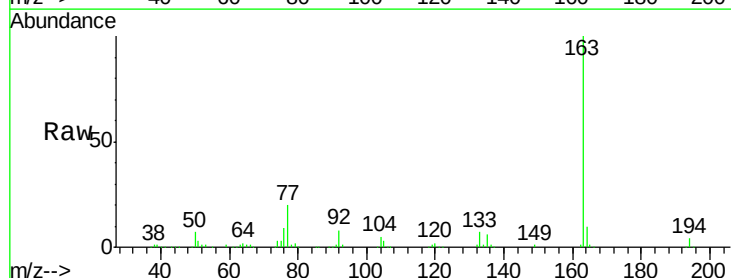
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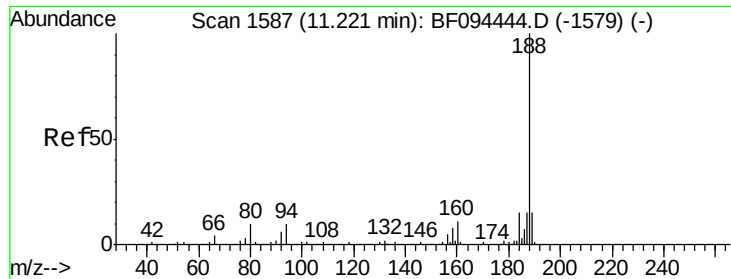
Tgt Ion:172 Resp: 1411977
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.0 19.8 29.8



#49
 Dimethylphthalate
 Concen: 26.56 ng
 RT: 9.08 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF094522.D
 Acq: 19 Apr 2017 18:13

Tgt Ion:163 Resp: 437794
 Ion Ratio Lower Upper
 163 100
 194 3.6 2.6 4.0
 164 10.5 8.4 12.6

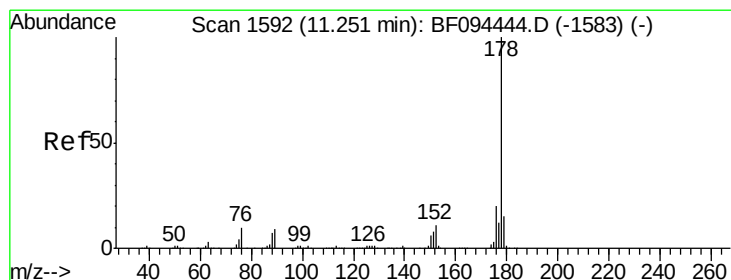
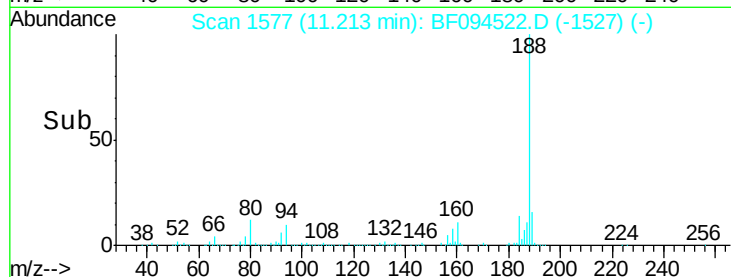
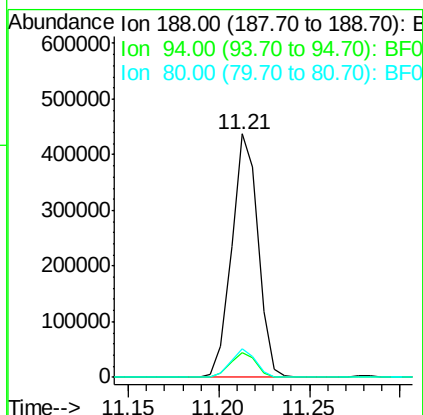
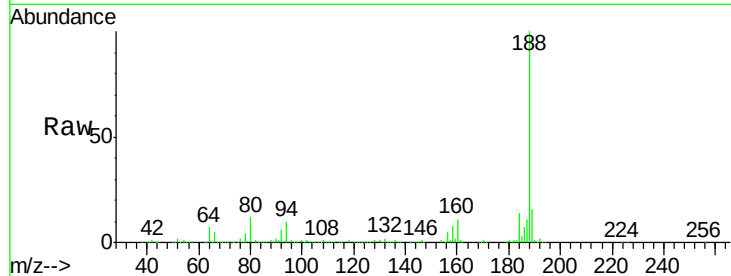




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF094522.D
 Acq: 19 Apr 2017 18:13

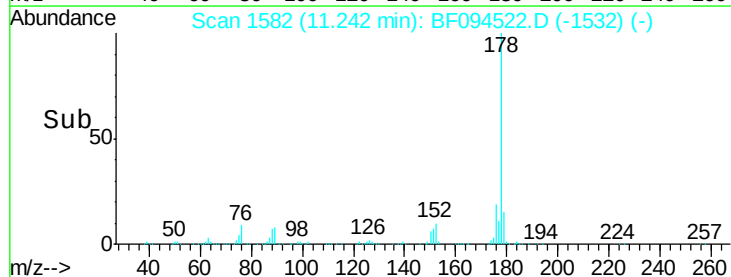
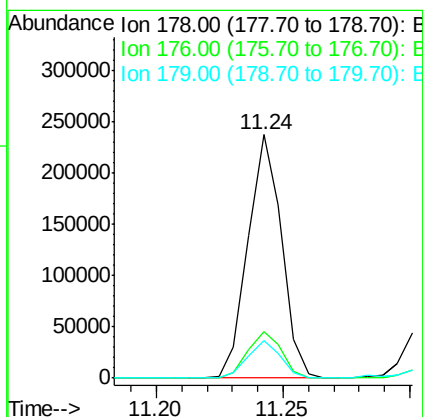
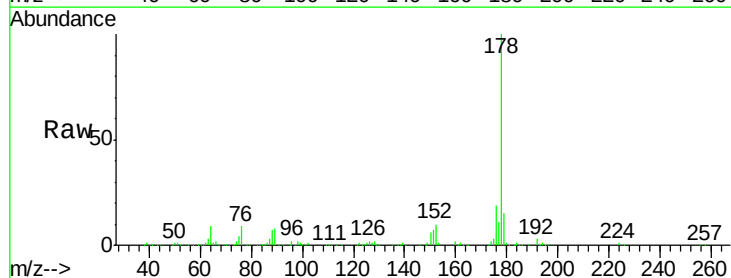
Instrument :
 BNA_F
 ClientSampleId :
 E2-U5-SSW

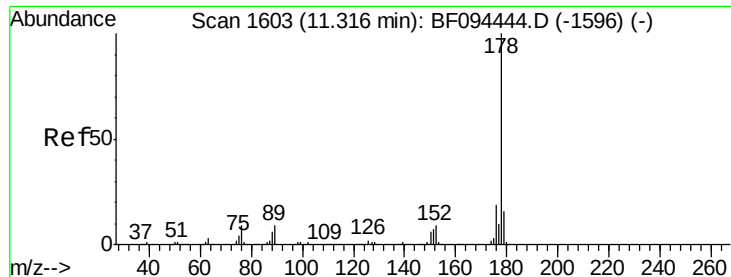
Tgt Ion:188 Resp: 440775
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 11.6 10.2 15.2



#70
 Phenanthrene
 Concen: 8.82 ng
 RT: 11.24 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF094522.D
 Acq: 19 Apr 2017 18:13

Tgt Ion:178 Resp: 218897
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.2 24.4
 179 15.2 12.6 19.0

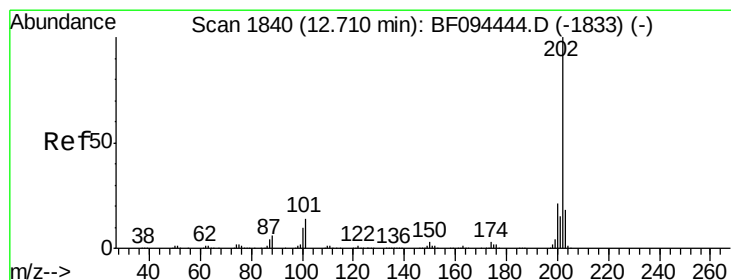
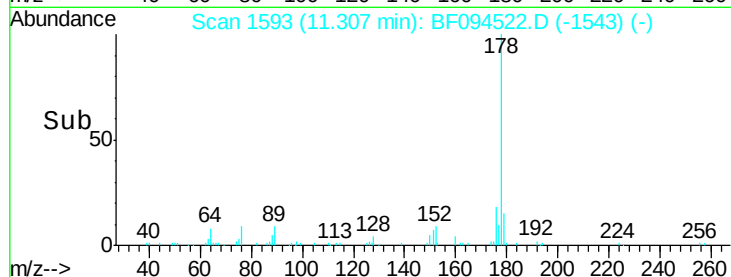
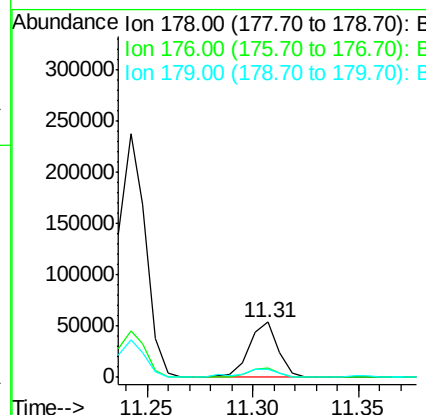
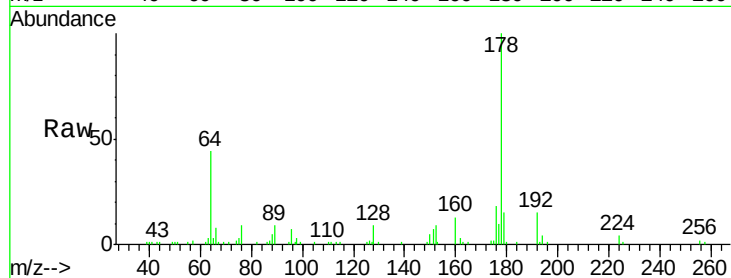




#71
 Anthracene
 Concen: 2.01 ng
 RT: 11.31 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF094522.D
 Acq: 19 Apr 2017 18:13

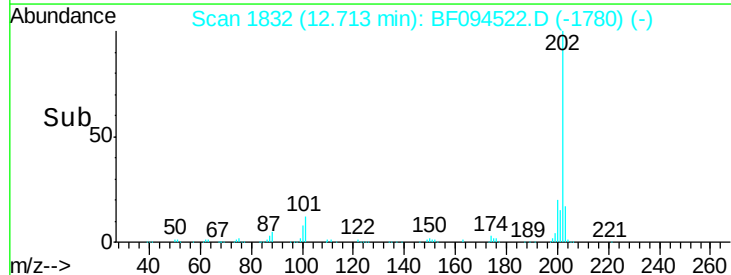
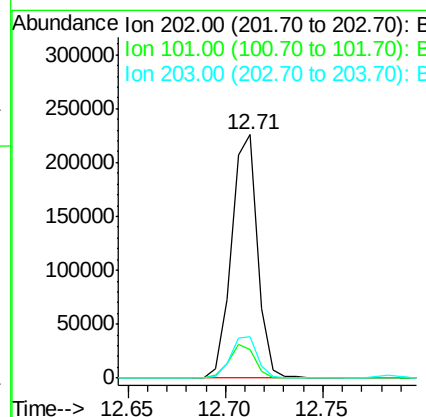
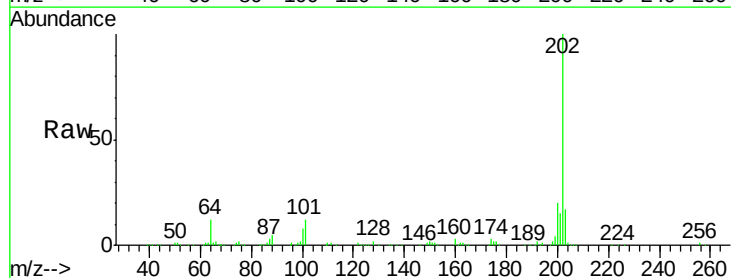
Instrument :
 BNA_F
 ClientSampleId :
 E2-U5-SSW

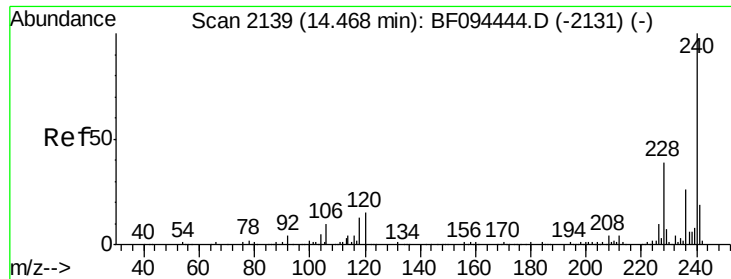
Tgt Ion:178 Resp: 51648
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.8 23.8
 179 14.5 12.7 19.1



#74
 Fluoranthene
 Concen: 8.11 ng
 RT: 12.71 min Scan# 1832
 Delta R.T. 0.00 min
 Lab File: BF094522.D
 Acq: 19 Apr 2017 18:13

Tgt Ion:202 Resp: 208557
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 33.2
 203 17.0 0.0 38.1

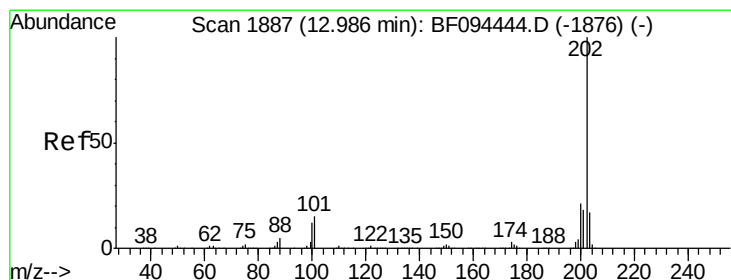
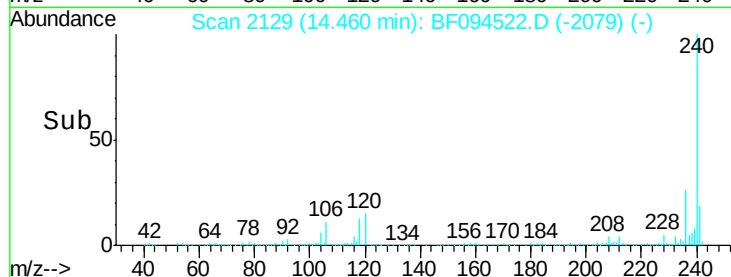
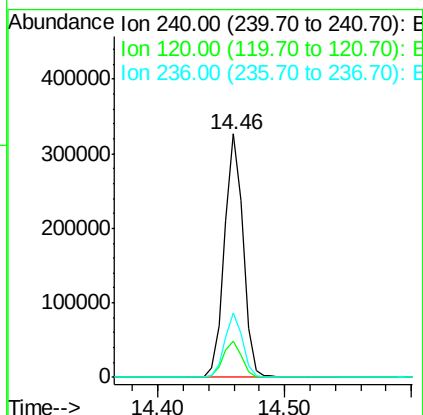
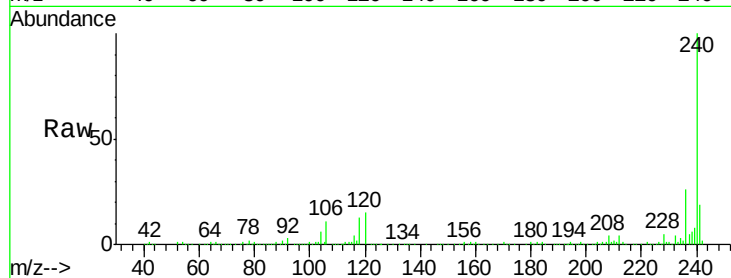




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.46 min Scan# 2129
 Delta R.T. -0.01 min
 Lab File: BF094522.D
 Acq: 19 Apr 2017 18:13

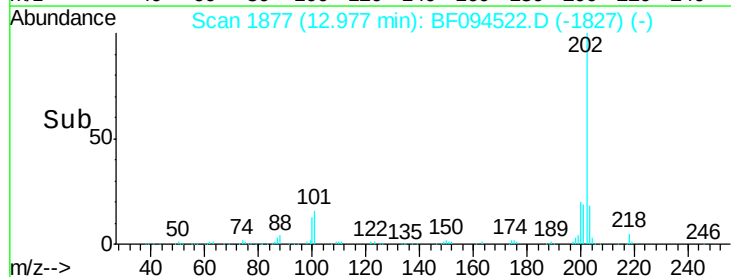
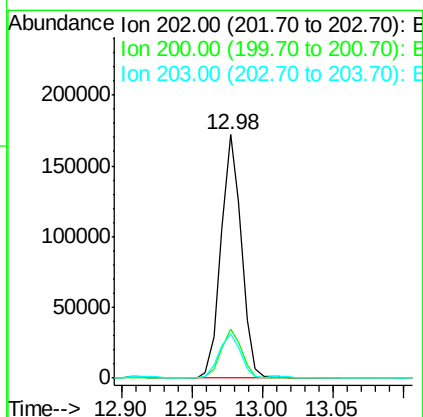
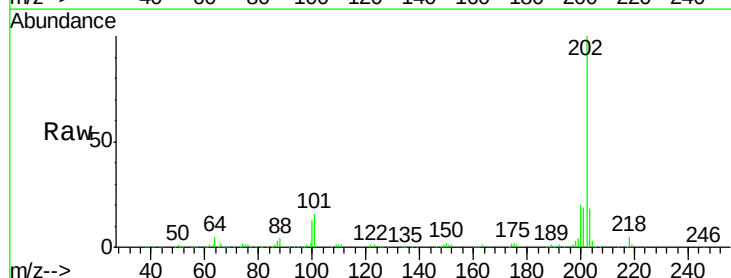
Instrument :
 BNA_F
 ClientSampleId :
 E2-U5-SSW

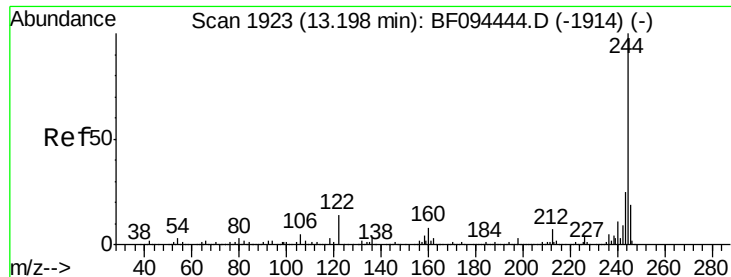
Tgt Ion:240 Resp: 332734
 Ion Ratio Lower Upper
 240 100
 120 14.7 5.8 8.8#
 236 26.3 20.5 30.7



#77
 Pyrene
 Concen: 7.43 ng
 RT: 12.98 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: BF094522.D
 Acq: 19 Apr 2017 18:13

Tgt Ion:202 Resp: 172820
 Ion Ratio Lower Upper
 202 100
 200 20.1 17.6 26.4
 203 18.3 14.4 21.6





#78

Terphenyl-d14

Concen: 97.20 ng

RT: 13.20 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

Instrument :

BNA_F

ClientSampleId :

E2-U5-SSW

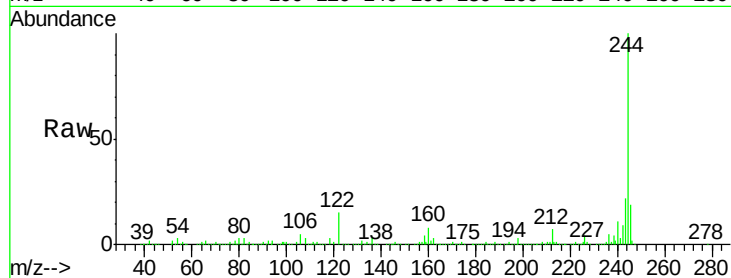
Tgt Ion:244 Resp: 1209991

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

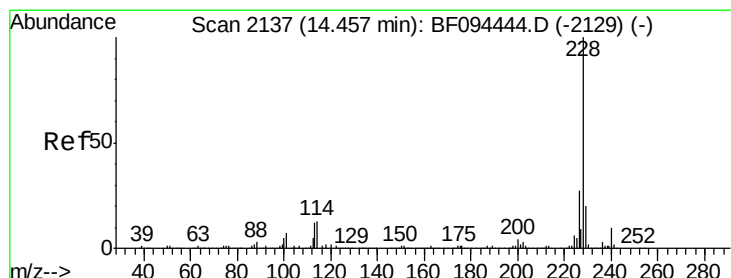
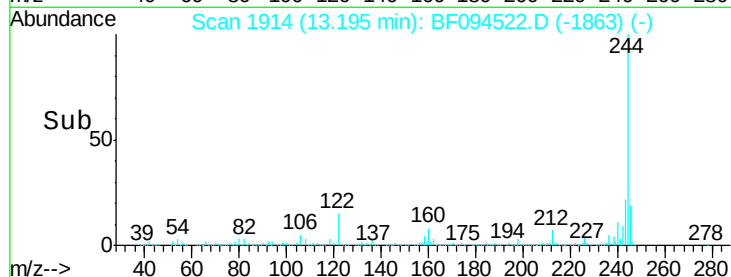
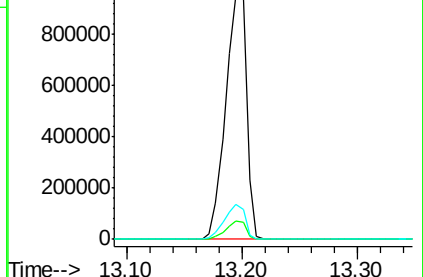
122 14.6 10.3 15.5



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: 3.50 ng

RT: 14.45 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

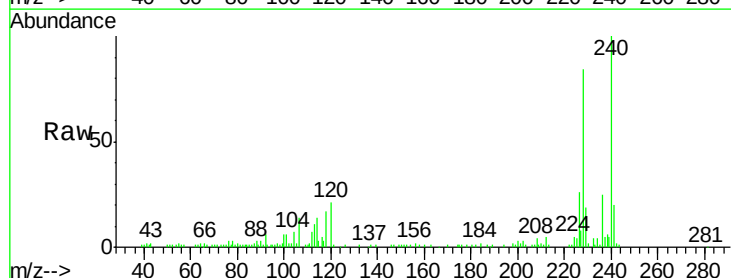
Tgt Ion:228 Resp: 67726

Ion Ratio Lower Upper

228 100

226 31.4 22.6 33.8

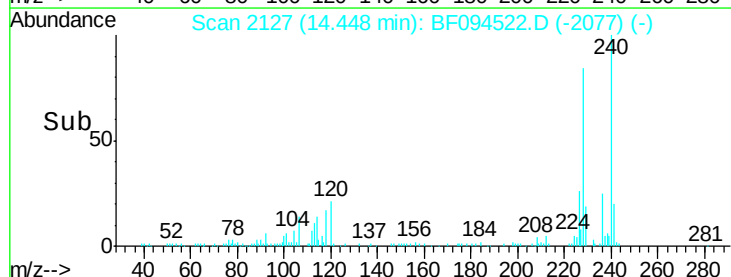
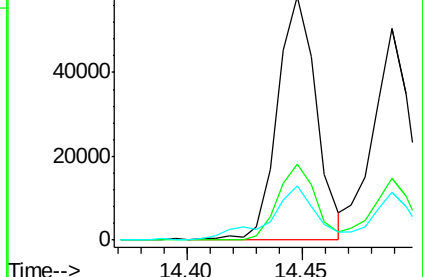
229 22.1 16.3 24.5

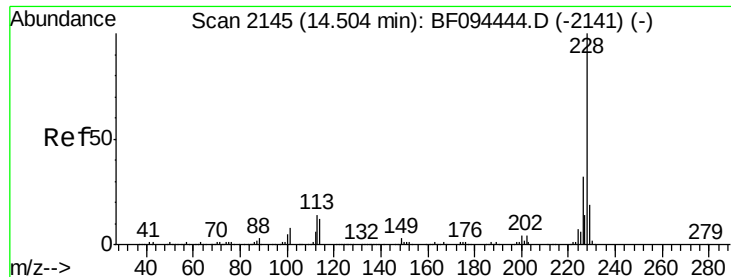


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.18 ng

RT: 14.49 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

Instrument :

BNA_F

ClientSampleId :

E2-U5-SSW

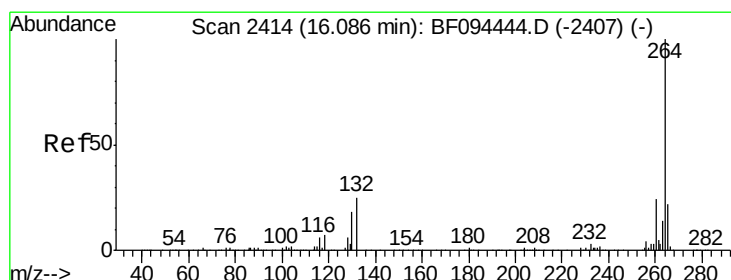
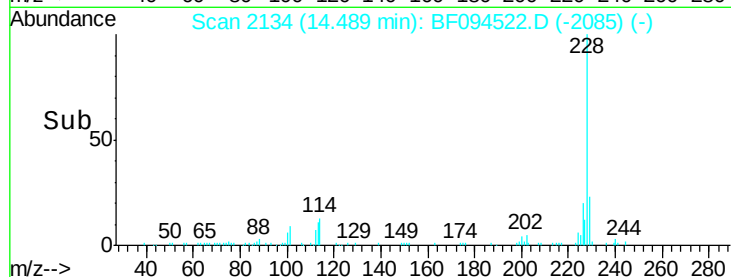
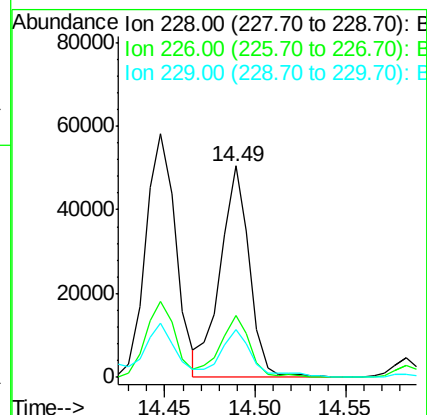
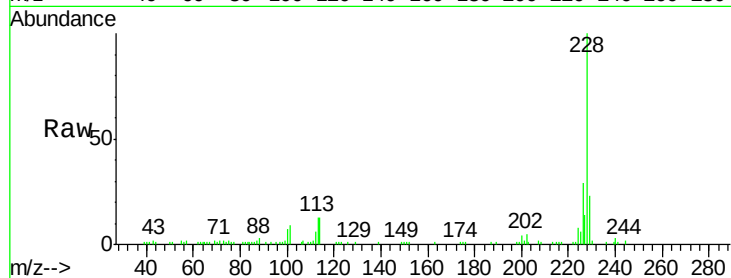
Tgt Ion:228 Resp: 56231

Ion Ratio Lower Upper

228 100

226 29.4 24.9 37.3

229 22.8 15.8 23.6



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.08 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

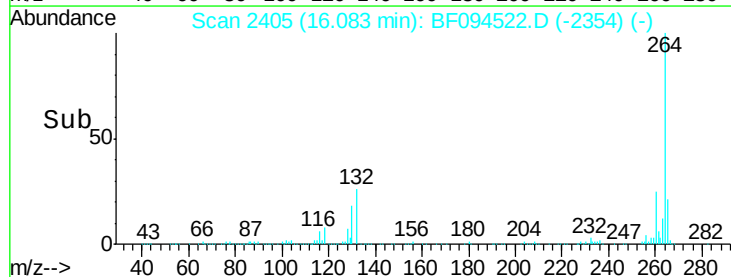
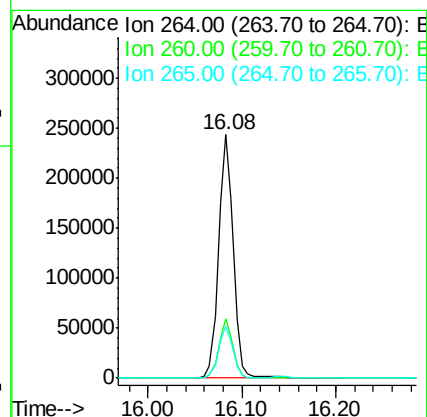
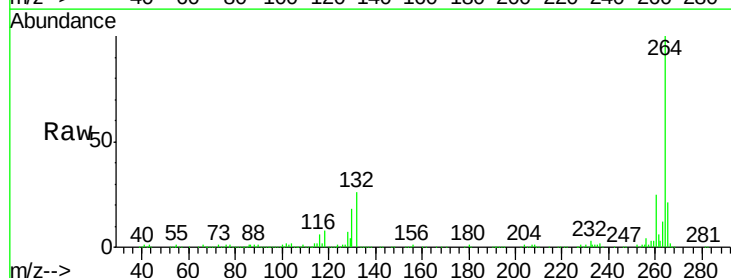
Tgt Ion:264 Resp: 269417

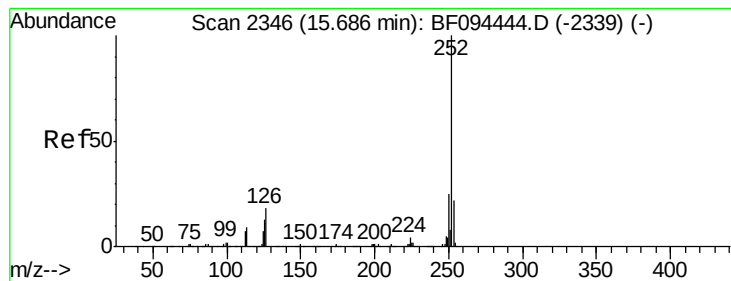
Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 21.4 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 3.12 ng

RT: 15.68 min Scan# 2337

Delta R.T. -0.00 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

Instrument :

BNA_F

ClientSampleId :

E2-U5-SSW

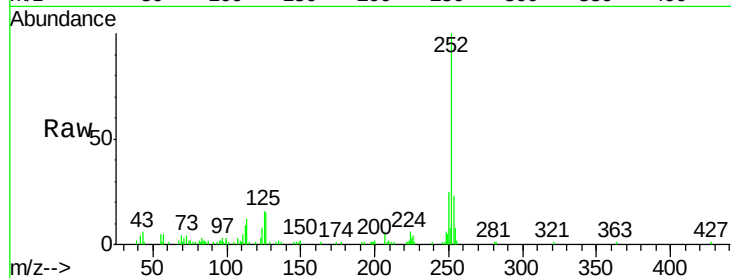
Tgt Ion:252 Resp: 51406

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

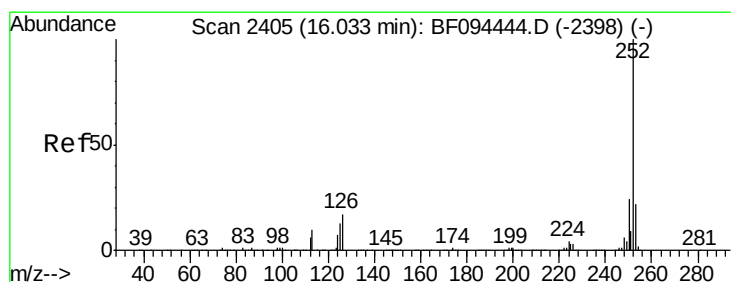
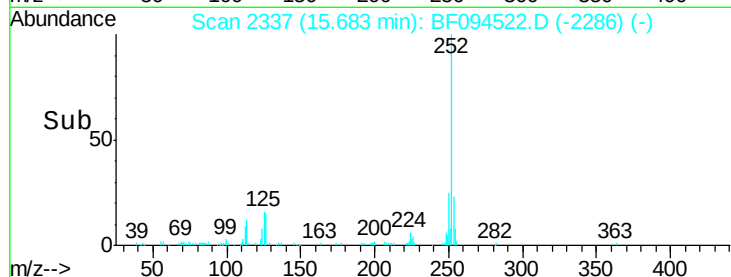
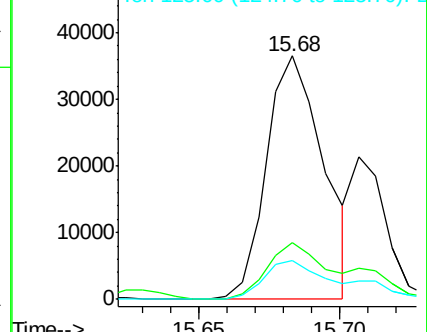
125 15.8 9.8 14.8#



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



#89

Benzo(a)pyrene

Concen: 2.54 ng

RT: 16.02 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

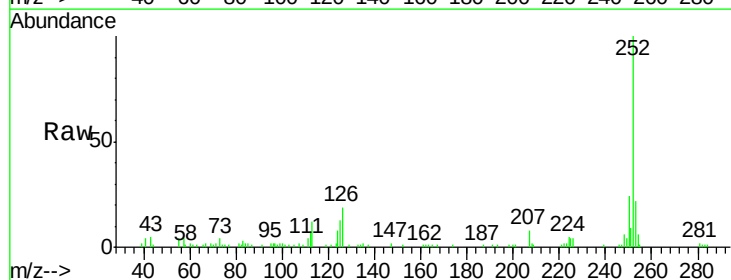
Tgt Ion:252 Resp: 38979

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 13.3 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

