

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094708.D
 Acq On : 3 Nov 2017 15:35
 Operator : SJ/JU
 Sample : I5825-06 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-61(5-6)-101117

Quant Time: Nov 03 23:59:23 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 23:54:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1492	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	8727	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	4899	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	10607	0.40	ng/ul	-0.04
16) Chrysene-d12	21.42	240	10621	0.40	ng/ul	-0.02
20) Perylene-d12	23.95	264	11489	0.40	ng/ul	-0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	636	0.04	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	1507	0.05	ng/ul	-0.02

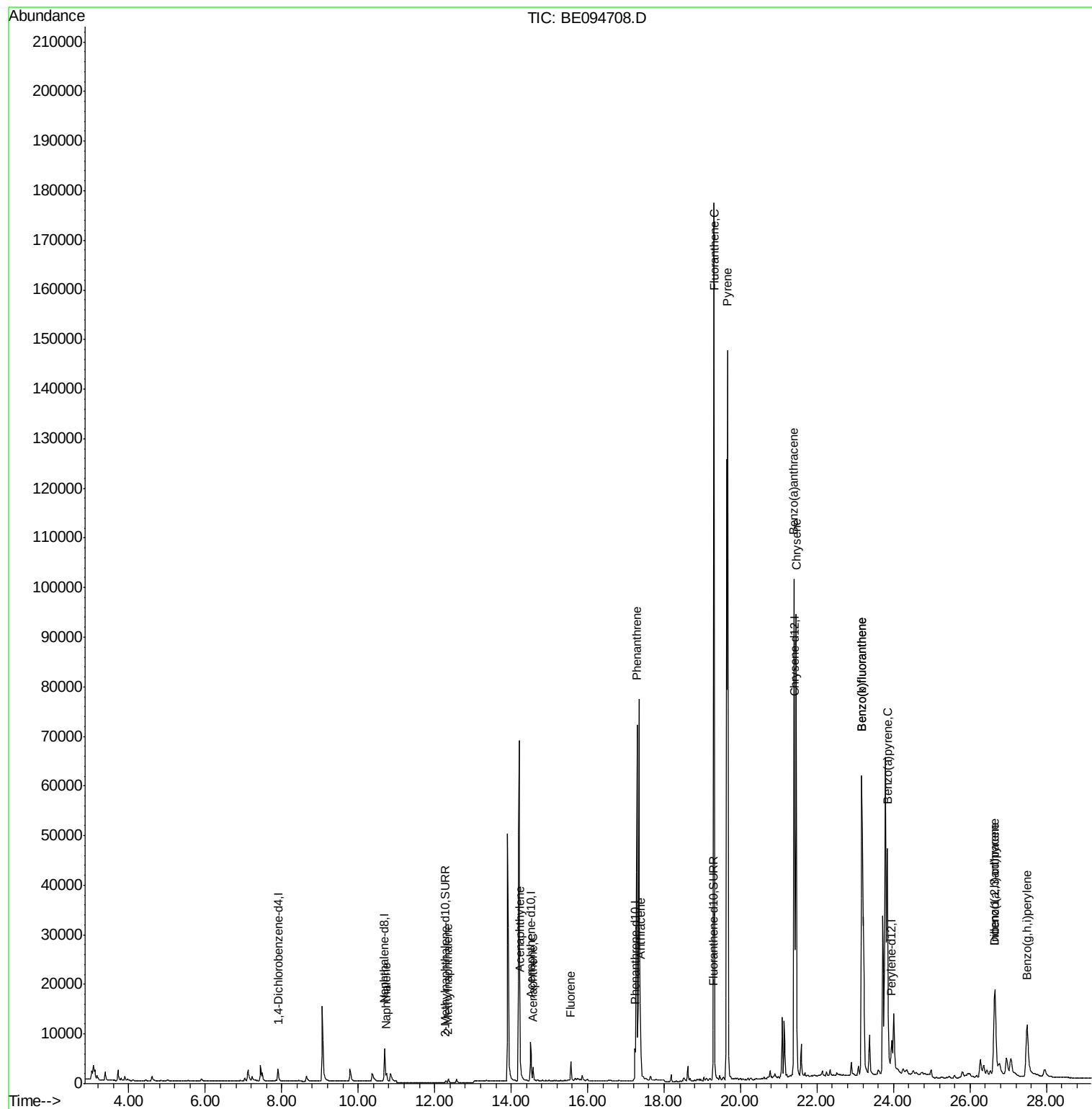
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	2503	0.12	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	900	0.06	ng/ul	95
7) Acenaphthylene	14.24	152	1839	0.08	ng/ul	94
8) Acenaphthene	14.57	153	1790	0.11	ng/ul	96
9) Fluorene	15.56	166	2756	0.15	ng/ul	95
12) Phenanthrene	17.29	178	96577	3.45	ng/ul#	92
13) Anthracene	17.38	178	15481	0.56	ng/ul#	93
15) Fluoranthene	19.30	202	200972	6.20	ng/ul	84
17) Pyrene	19.66	202	166920	5.08	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	91090	3.00	ng/ul#	87
19) Chrysene	21.45	228	100931	3.22	ng/ul	98
21) Benzo(b)fluoranthene	23.17	252	158708	4.91	ng/ul	84
22) Benzo(k)fluoranthene	23.17	252	158708	4.58	ng/ul#	86
23) Benzo(a)pyrene	23.84	252	74351	2.30	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.65	276	42990	1.29	ng/ul#	76
25) Dibenzo(a,h)anthracene	26.64	278	10050	0.36	ng/ul	96
26) Benzo(a,h,i)perylene	27.49	276	32906	1.23	ng/ul	97

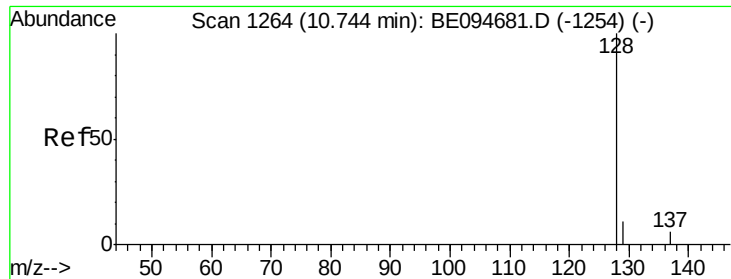
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.12 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.03 min

Lab File: BE094708.D

Acq: 3 Nov 2017 15:35

Instrument :

BNA_E

ClientSampleId :

B-61(5-6)-101117

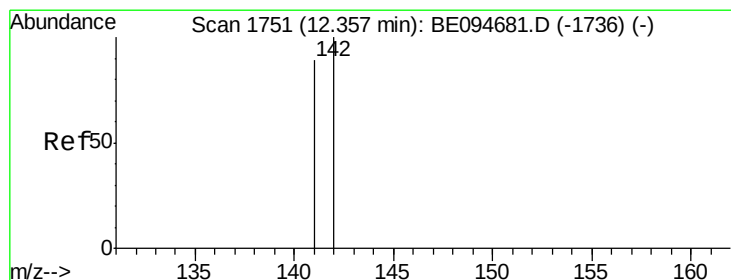
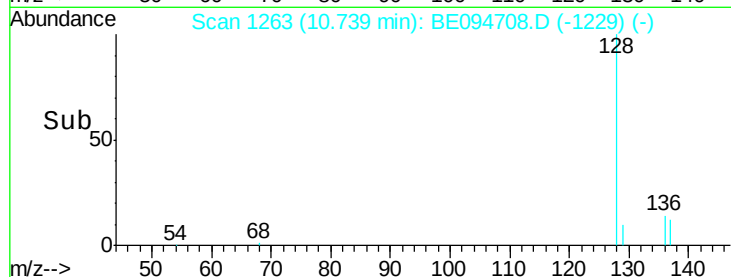
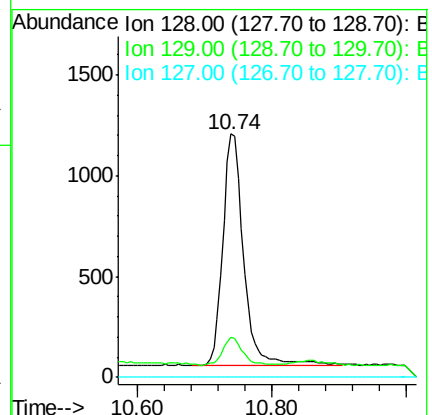
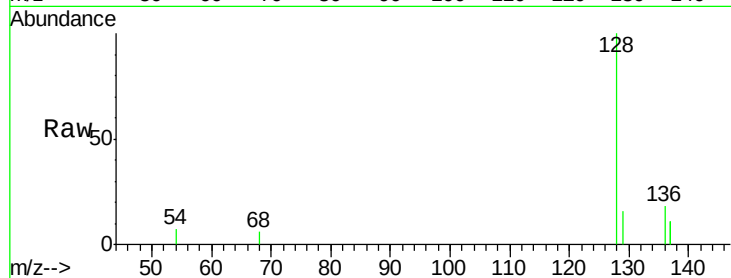
Tot Ion:128 Resp: 2503

Ion Ratio Lower Upper

128 100

129 16.2 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 12.36 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BE094708.D

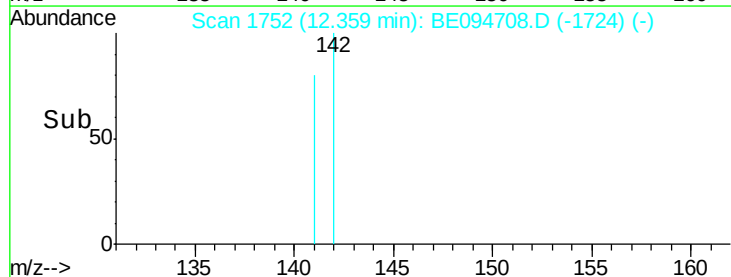
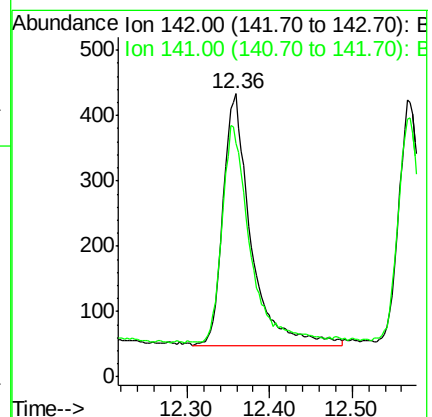
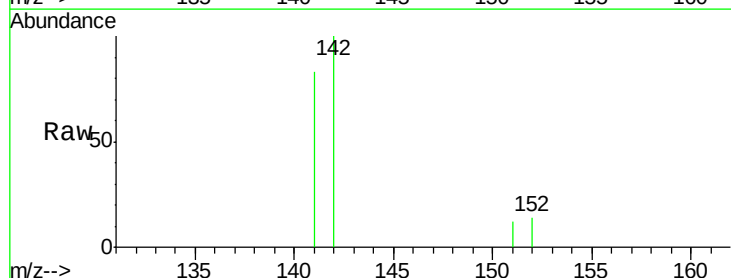
Acq: 3 Nov 2017 15:35

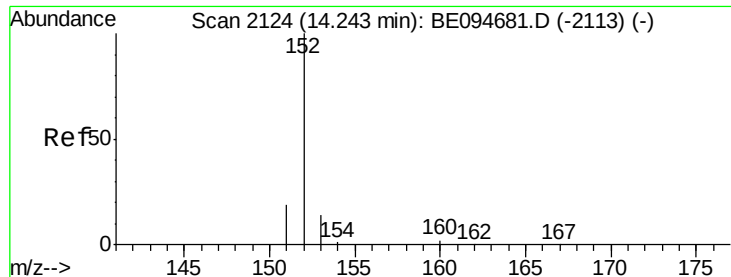
Tgt Ion:142 Resp: 900

Ion Ratio Lower Upper

142 100

141 85.6 72.6 108.8





#7

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094708.D

Acq: 3 Nov 2017 15:35

Instrument :

BNA_E

ClientSampleId :

B-61(5-6)-101117

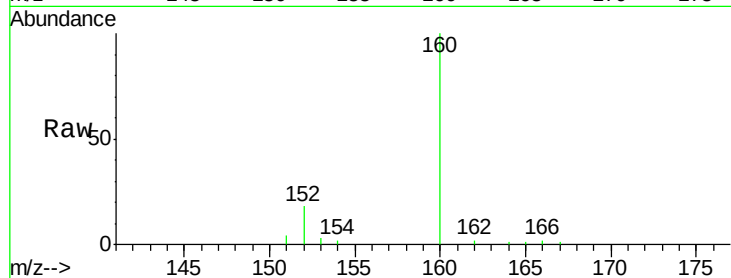
Tot Ion:152 Resp: 1839

Ion Ratio Lower Upper

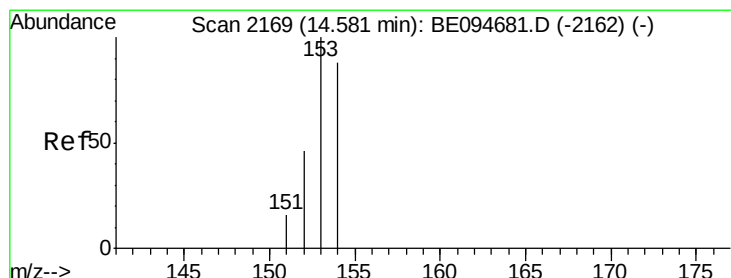
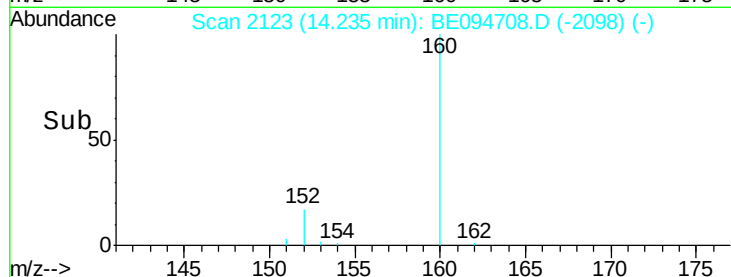
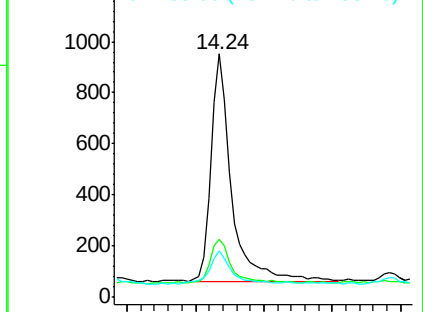
152 100

151 23.9 17.1 25.7

153 19.0 12.8 19.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.11 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094708.D

Acq: 3 Nov 2017 15:35

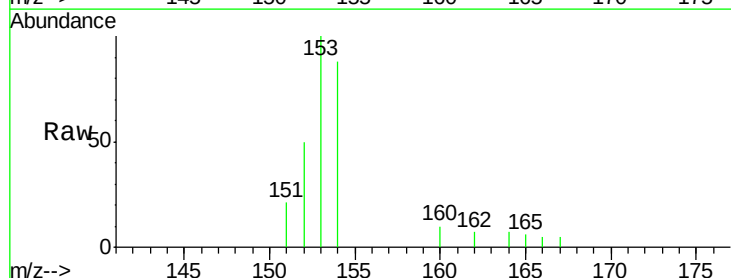
Tgt Ion:153 Resp: 1790

Ion Ratio Lower Upper

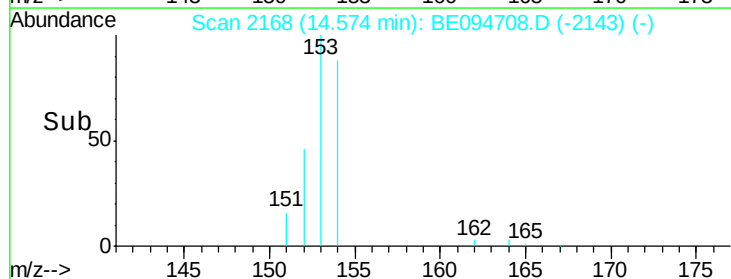
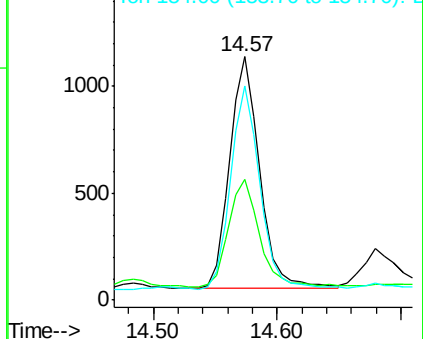
153 100

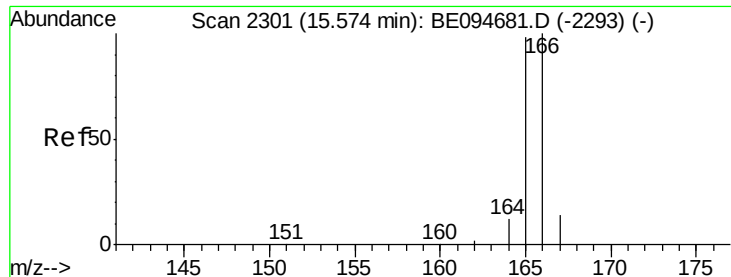
152 49.9 36.0 54.0

154 88.1 72.0 108.0



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

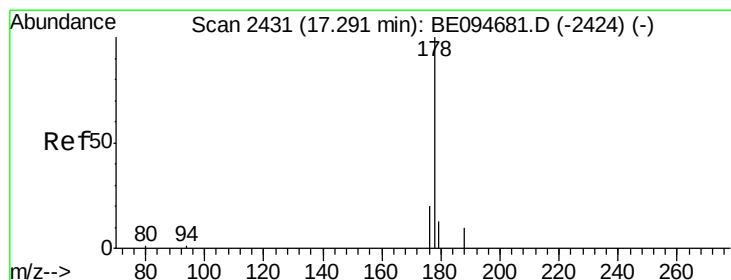
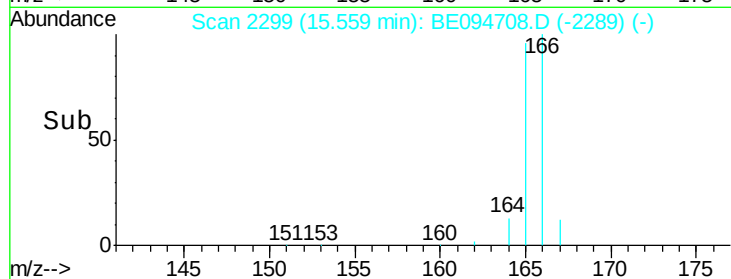
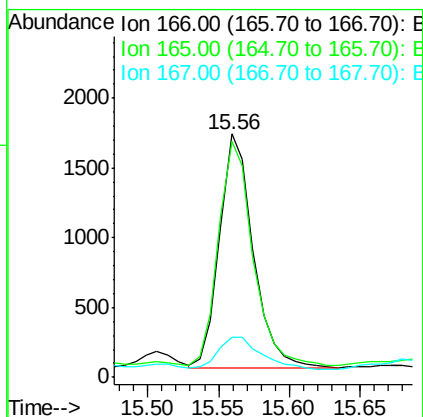
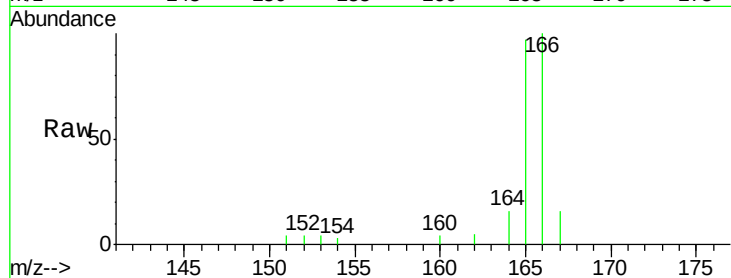




#9
Fluorene
 Concen: 0.15 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094708.D
 Acq: 3 Nov 2017 15:35

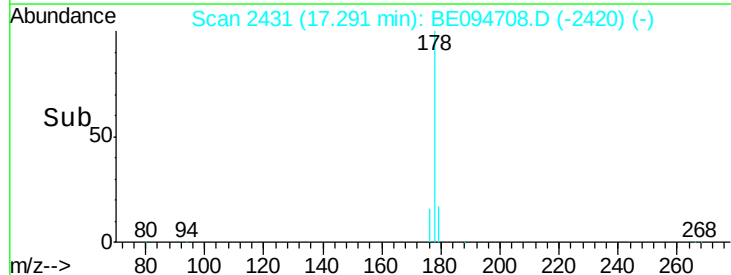
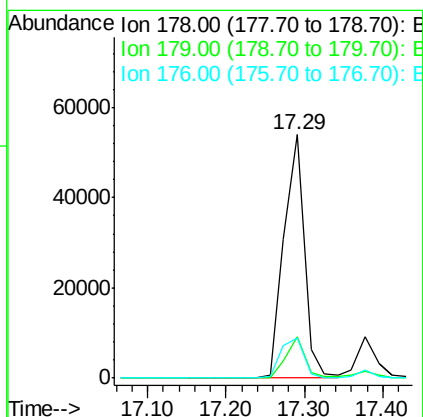
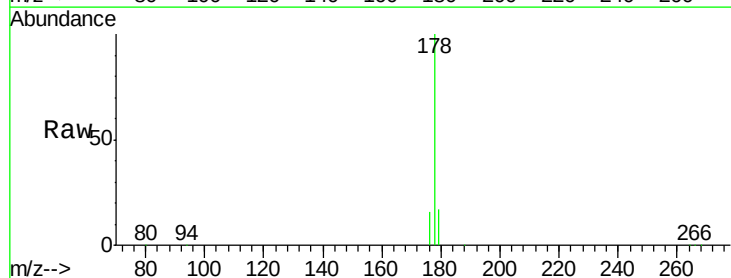
Instrument :
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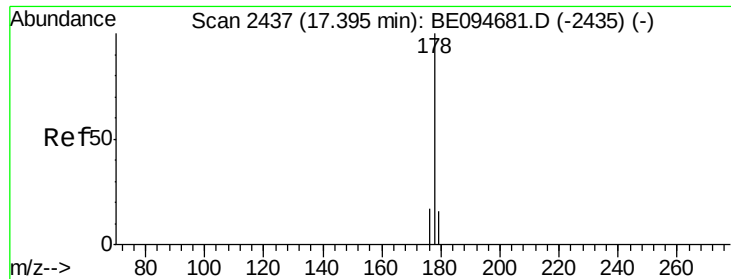
Tot Ion:166 Resp: 2756
 Ion Ratio Lower Upper
 166 100
 165 96.7 73.4 110.2
 167 16.3 14.6 22.0



#12
Phenanthrene
 Concen: 3.45 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094708.D
 Acq: 3 Nov 2017 15:35

Tgt Ion:178 Resp: 96577
 Ion Ratio Lower Upper
 178 100
 179 16.8 18.4 27.6#
 176 16.3 13.6 20.4





#13

Anthracene

Concen: 0.56 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.04 min

Lab File: BE094708.D

Acq: 3 Nov 2017 15:35

Instrument :

BNA_E

ClientSampleId :

B-61(5-6)-101117

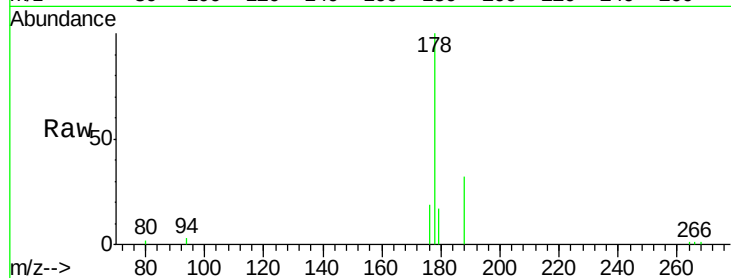
Tot Ion:178 Resp: 15481

Ion Ratio Lower Upper

178 100

179 16.8 18.1 27.1#

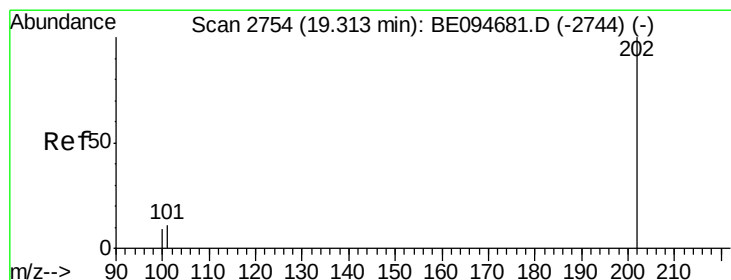
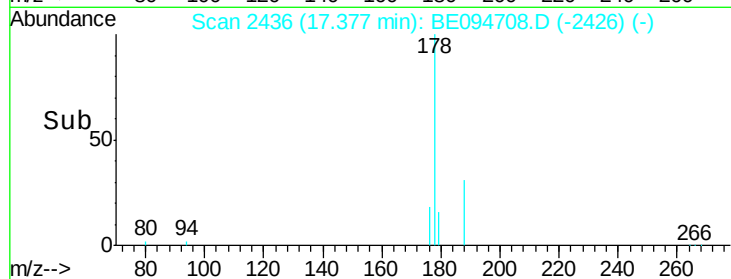
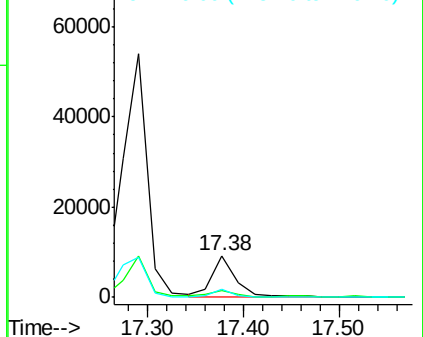
176 18.5 14.7 22.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 6.20 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.02 min

Lab File: BE094708.D

Acq: 3 Nov 2017 15:35

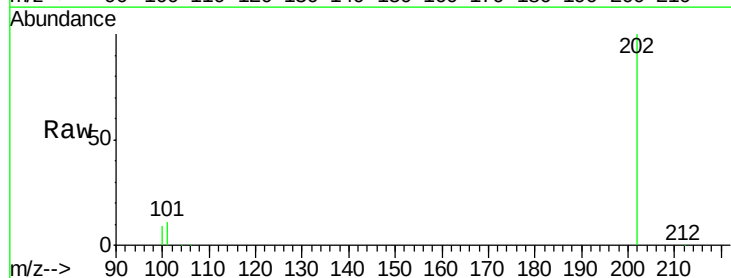
Tgt Ion:202 Resp: 200972

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

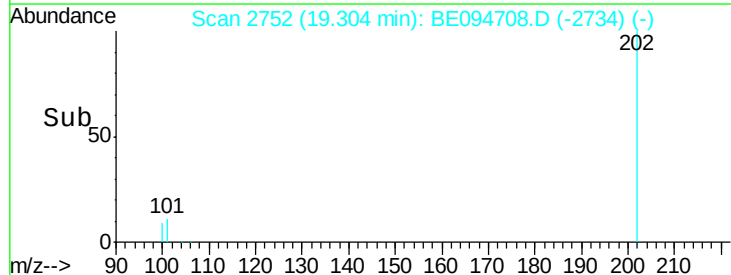
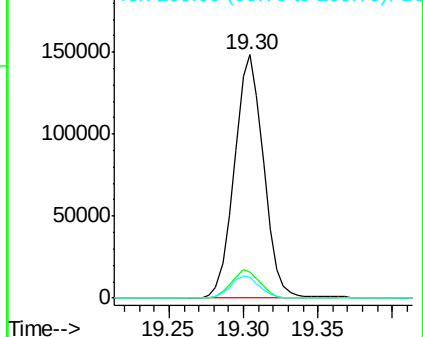
100 8.5 0.0 39.5

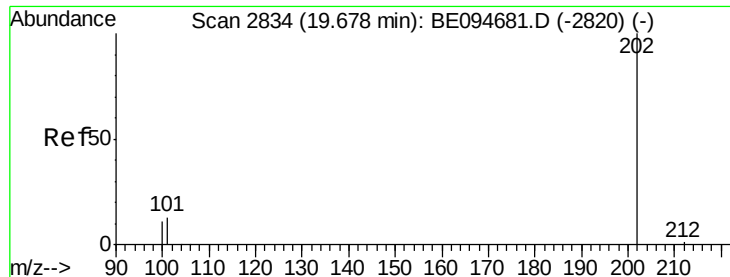


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 5.08 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. -0.02 min

Lab File: BE094708.D

Acq: 3 Nov 2017 15:35

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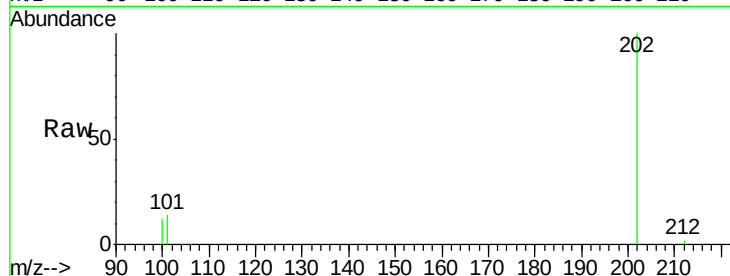
Tot Ion:202 Resp: 166920

Ion Ratio Lower Upper

202 100

101 13.7 18.2 27.4#

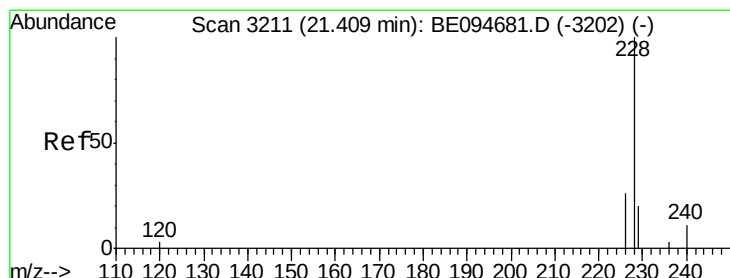
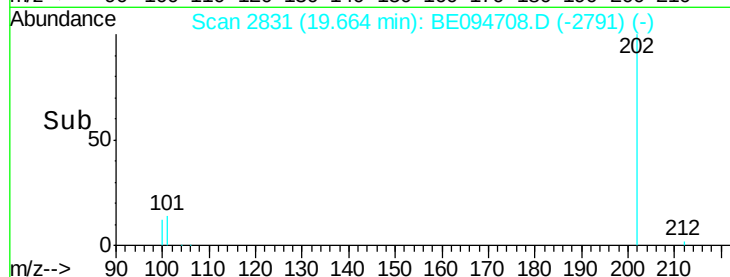
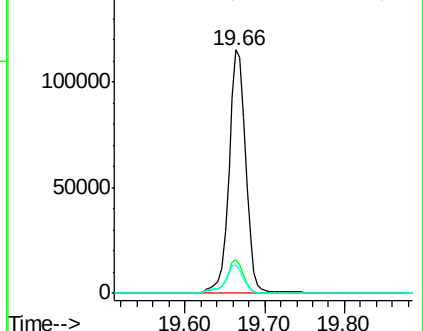
100 11.9 15.6 23.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#18

Benzo(a)anthracene

Concen: 3.00 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.02 min

Lab File: BE094708.D

Acq: 3 Nov 2017 15:35

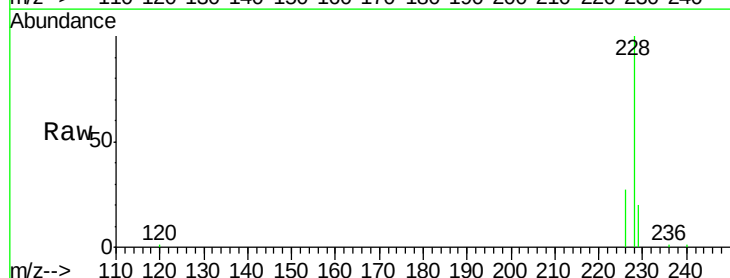
Tgt Ion:228 Resp: 91090

Ion Ratio Lower Upper

228 100

229 20.4 22.8 34.2#

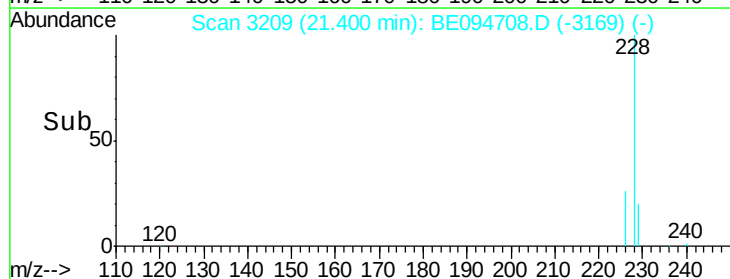
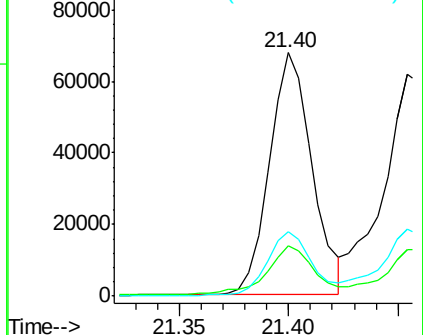
226 26.5 17.0 25.6#

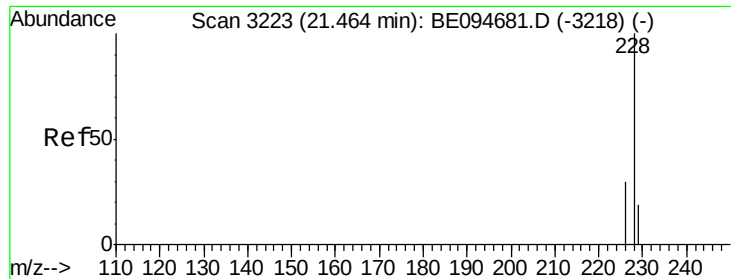


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 3.22 ng/ul

RT: 21.45 min Scan# 3221

Delta R.T. -0.02 min

Lab File: BE094708.D

Acq: 3 Nov 2017 15:35

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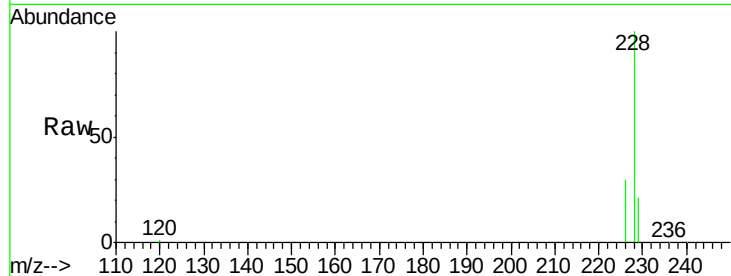
Tot Ion:228 Resp: 100931

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

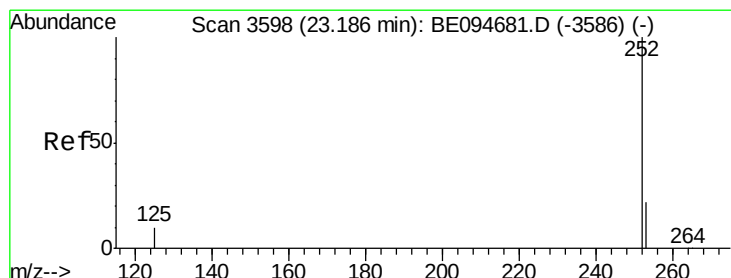
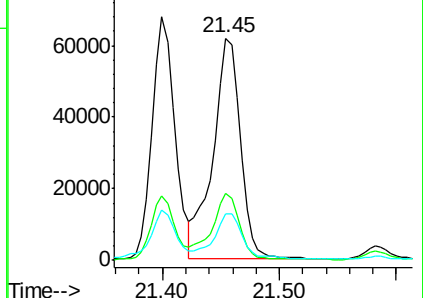
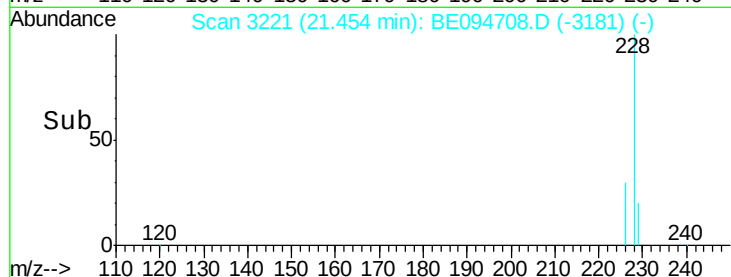
229 21.0 17.7 26.5



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



#21

Benzo(b)fluoranthene

Concen: 4.91 ng/ul

RT: 23.17 min Scan# 3595

Delta R.T. -0.02 min

Lab File: BE094708.D

Acq: 3 Nov 2017 15:35

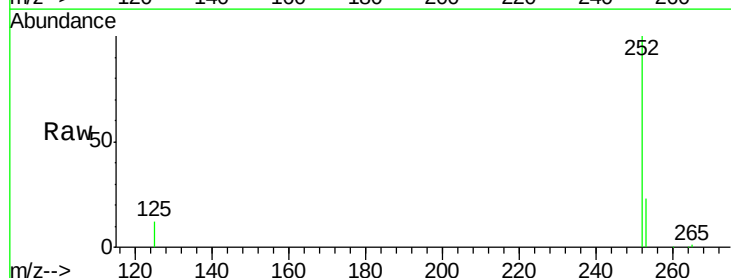
Tgt Ion:252 Resp: 158708

Ion Ratio Lower Upper

252 100

253 22.5 0.0 64.2

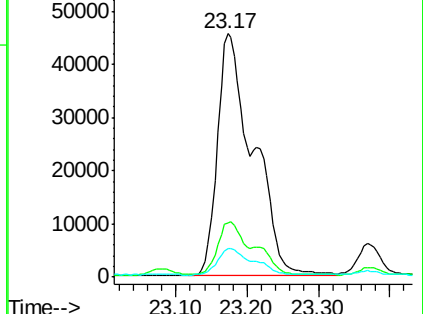
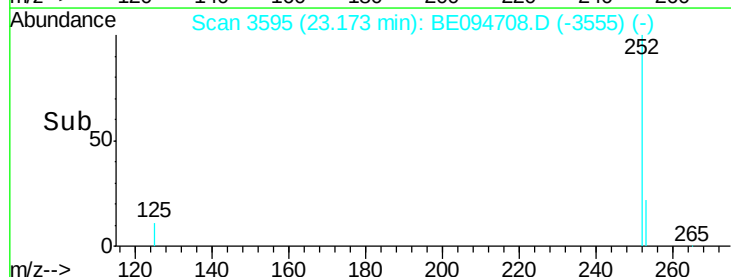
125 11.6 0.0 35.0

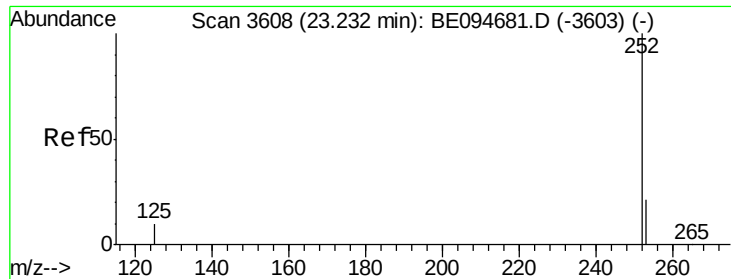


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 4.58 ng/ul

RT: 23.17 min Scan# 3595

Delta R.T. -0.06 min

Lab File: BE094708.D

Acq: 3 Nov 2017 15:35

Instrument :

BNA_E

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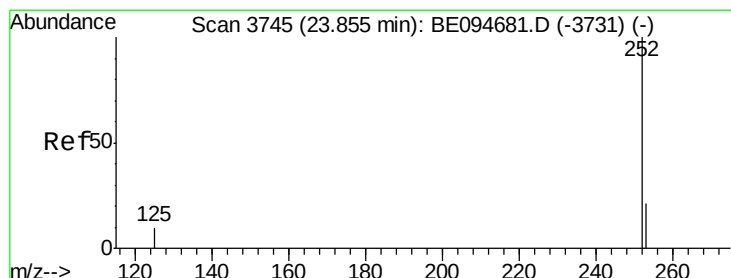
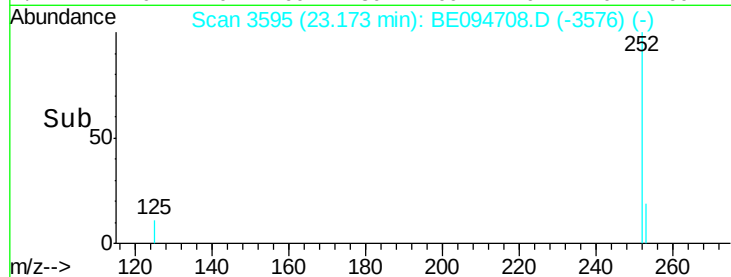
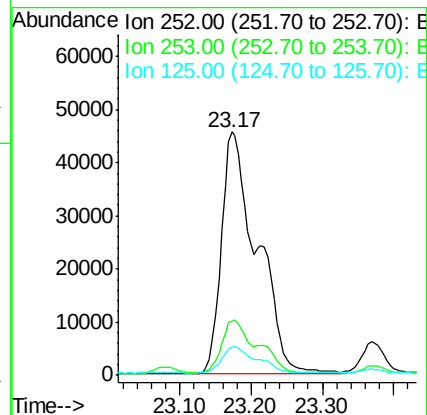
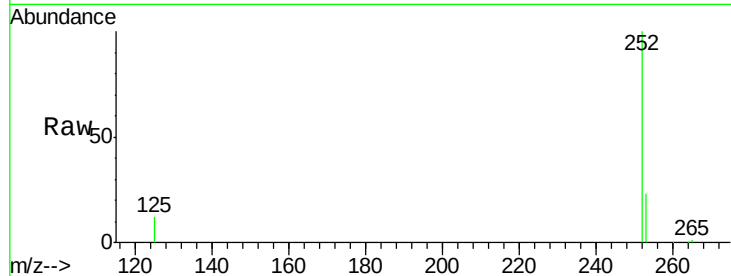
Tot Ion:252 Resp: 158708

Ion Ratio Lower Upper

252 100

253 22.5 24.5 36.7#

125 11.6 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 2.30 ng/ul

RT: 23.84 min Scan# 3741

Delta R.T. -0.02 min

Lab File: BE094708.D

Acq: 3 Nov 2017 15:35

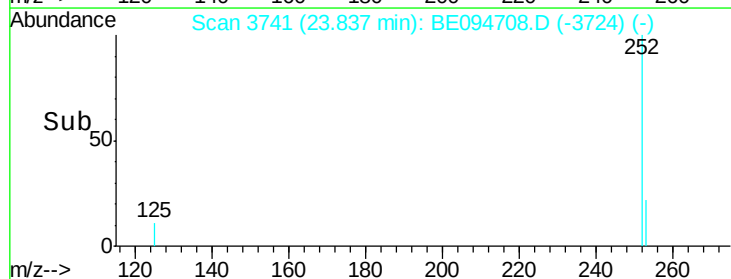
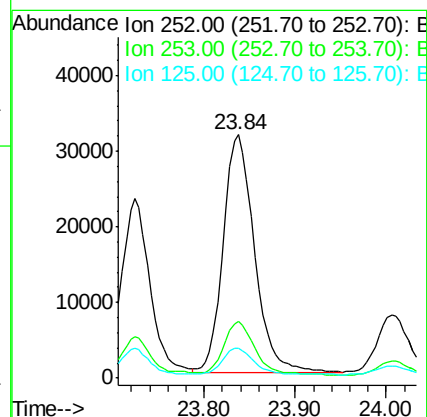
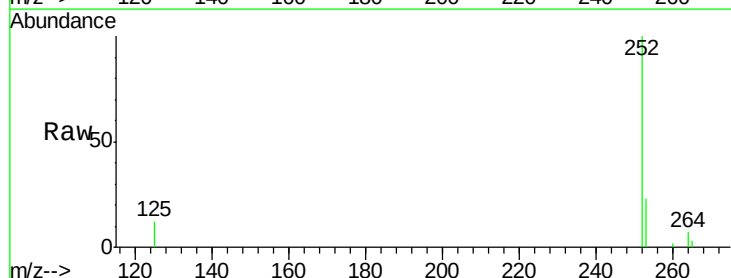
Tgt Ion:252 Resp: 74351

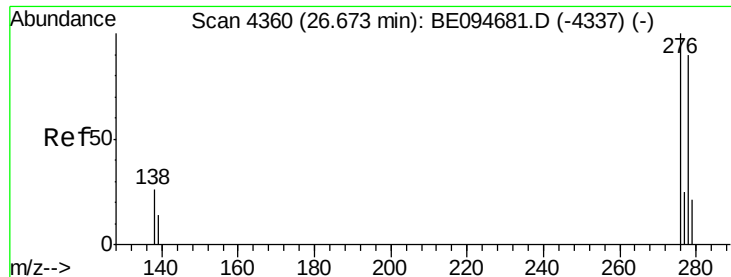
Ion Ratio Lower Upper

252 100

253 23.1 28.5 42.7#

125 12.4 18.1 27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 1.29 ng/ul

RT: 26.65 min Scan# 4356

Delta R.T. -0.03 min

Lab File: BE094708.D

Acq: 3 Nov 2017 15:35

Instrument :

BNA_E

ClientSampleId :

B-61(5-6)-101117

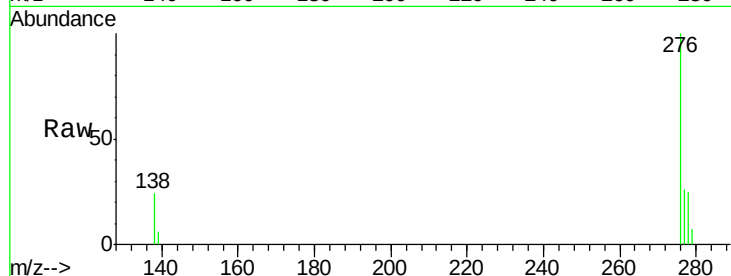
Tot Ion:276 Resp: 42990

Ion Ratio Lower Upper

276 100

138 21.7 28.0 42.0#

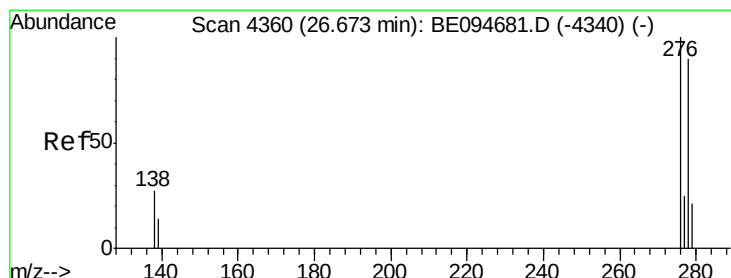
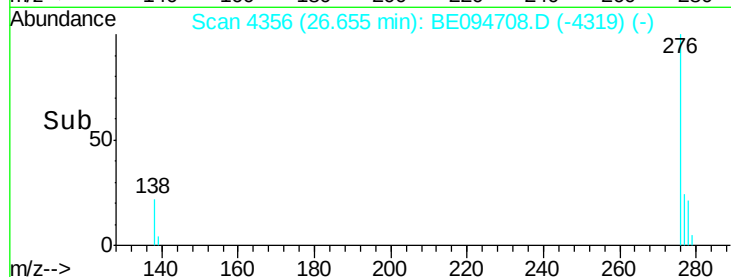
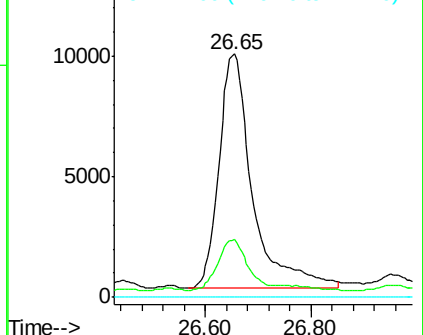
227 0.0 8.0 12.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



#25

Dibenzo(a,h)anthracene

Concen: 0.36 ng/ul

RT: 26.64 min Scan# 4352

Delta R.T. -0.04 min

Lab File: BE094708.D

Acq: 3 Nov 2017 15:35

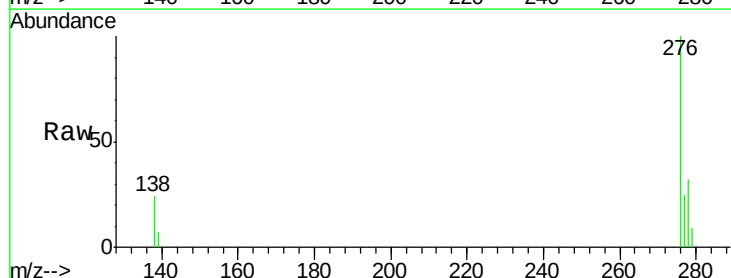
Tgt Ion:278 Resp: 10050

Ion Ratio Lower Upper

278 100

139 21.7 17.4 26.0

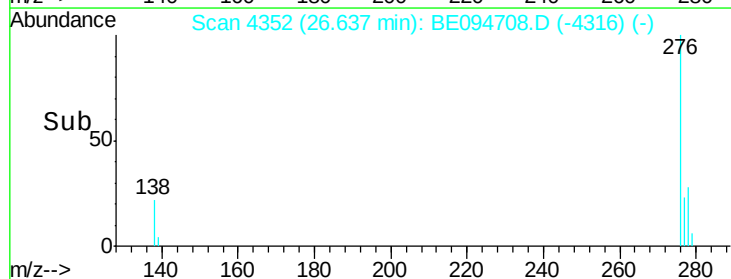
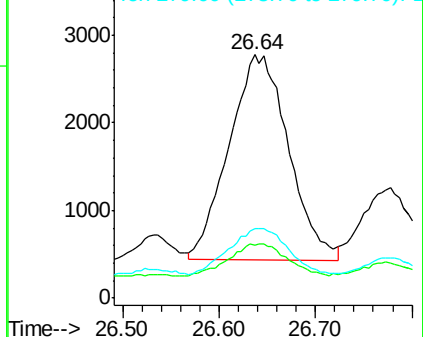
279 28.5 25.9 38.9

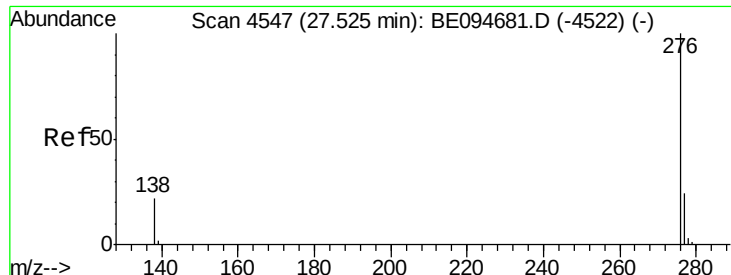


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 1.23 ng/ul

RT: 27.49 min Scan# 4540

Delta R.T. -0.02 min

Lab File: BE094708.D

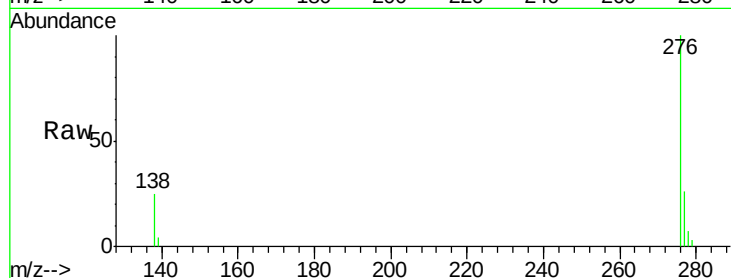
Acq: 3 Nov 2017 15:35

Instrument :

BNA_E

ClientSampleId :

B-61(5-6)-101117



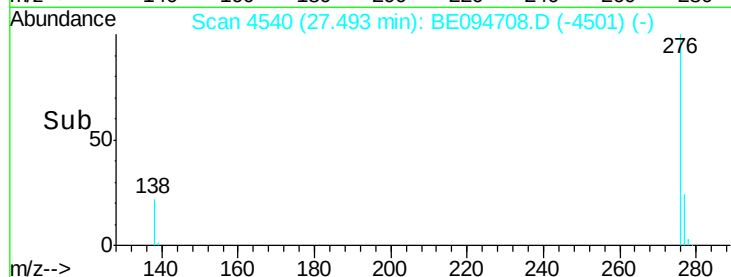
Tot Ion: 276 Resp: 32906

Ion Ratio Lower Upper

276 100

138 24.8 21.8 32.8

277 25.8 20.5 30.7



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

