

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094709.D
 Acq On : 3 Nov 2017 16:11
 Operator : SJ/JU
 Sample : I5825-07 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-62(0-1)-101117

Quant Time: Nov 03 23:59:34 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	1374	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	7992	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	4451	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.24	188	9474	0.40	ng/ul	-0.03
16) Chrysene-d12	21.42	240	9660	0.40	ng/ul	-0.02
20) Perylene-d12	23.95	264	10436	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	621	0.05	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	1518	0.05	ng/ul	-0.02

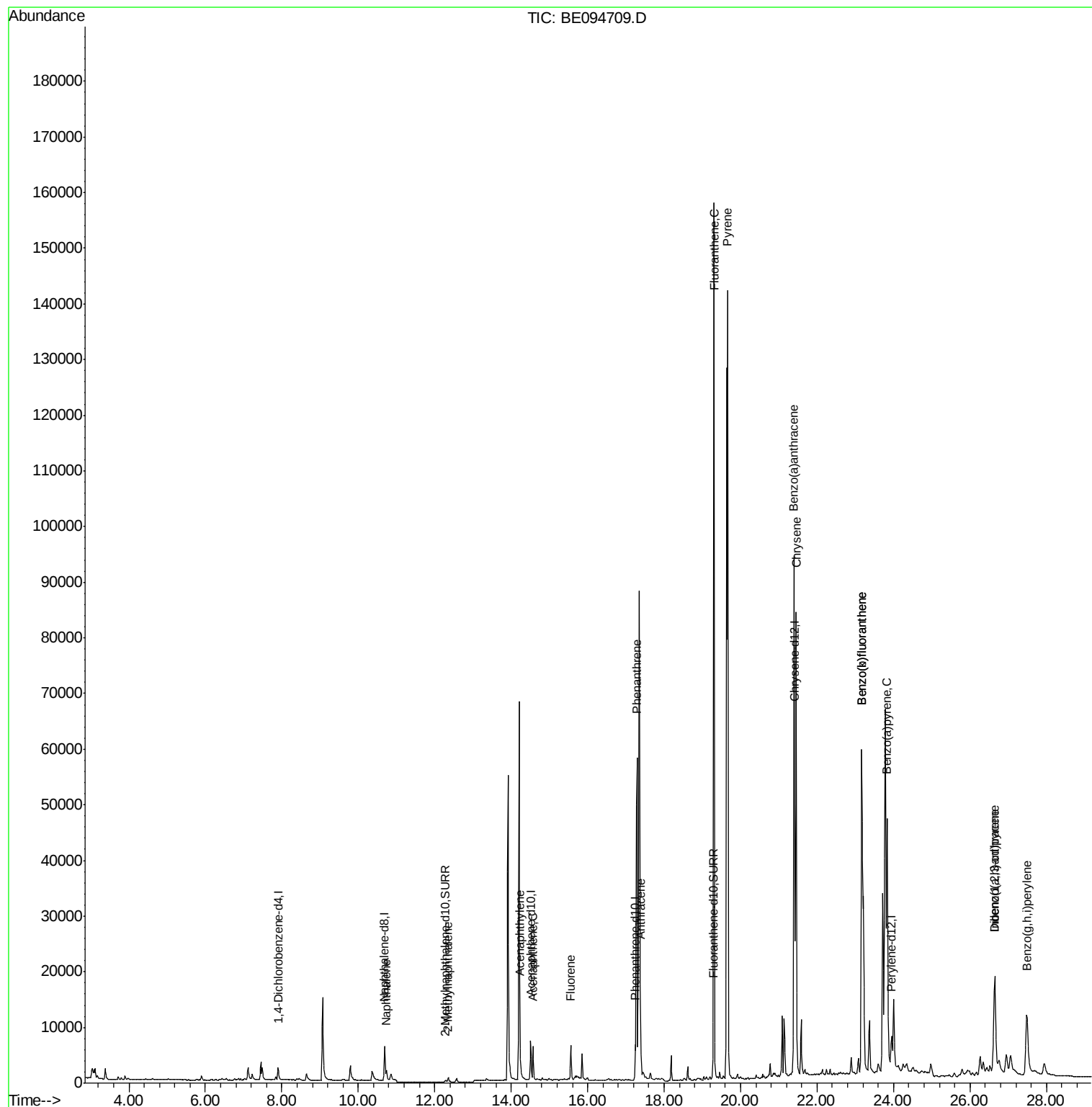
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	2799	0.14	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	1011	0.07	ng/ul	97
7) Acenaphthylene	14.24	152	2599	0.13	ng/ul	98
8) Acenaphthene	14.57	153	4011	0.28	ng/ul	99
9) Fluorene	15.56	166	4257	0.26	ng/ul	92
12) Phenanthrene	17.29	178	89387	3.57	ng/ul#	93
13) Anthracene	17.38	178	18824	0.76	ng/ul#	93
15) Fluoranthene	19.30	202	183136	6.33	ng/ul	84
17) Pyrene	19.66	202	162522	5.44	ng/ul#	81
18) Benzo(a)anthracene	21.40	228	85721	3.10	ng/ul#	87
19) Chrysene	21.45	228	88126	3.09	ng/ul	99
21) Benzo(b)fluoranthene	23.17	252	152130	5.18	ng/ul	85
22) Benzo(k)fluoranthene	23.17	252	152130	4.84	ng/ul#	87
23) Benzo(a)pyrene	23.83	252	73839	2.52	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.65	276	40615	1.34	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.64	278	9302	0.36	ng/ul	98
26) Benzo(a,h,i)perylene	27.49	276	33991	1.39	ng/ul	97

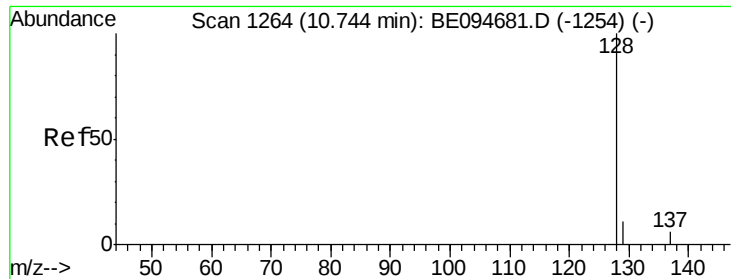
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.14 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.03 min

Lab File: BE094709.D

Acq: 3 Nov 2017 16:11

Instrument :

BNA_E

ClientSampleId :

B-62(0-1)-101117

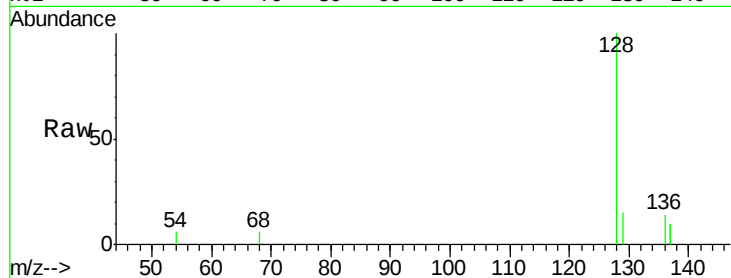
Tot Ion:128 Resp: 2799

Ion Ratio Lower Upper

128 100

129 15.3 11.3 16.9

127 0.0 4.0 6.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

1500

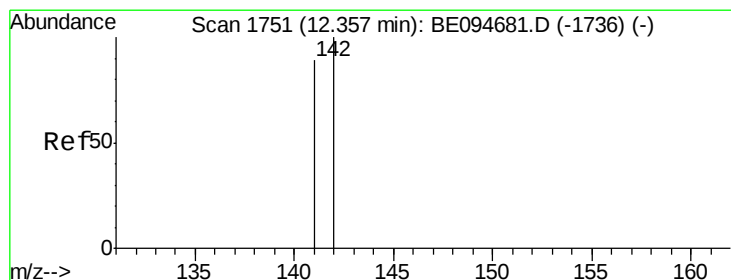
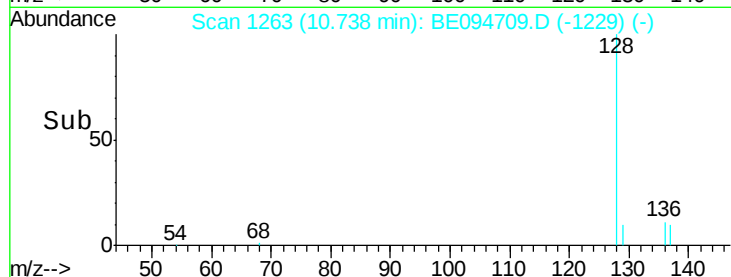
1000

500

0

10.74

Time-->



#5

2-Methylnaphthalene

Concen: 0.07 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.02 min

Lab File: BE094709.D

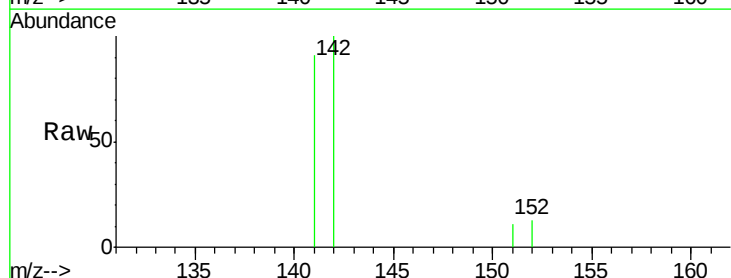
Acq: 3 Nov 2017 16:11

Tgt Ion:142 Resp: 1011

Ion Ratio Lower Upper

142 100

141 87.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

500

400

300

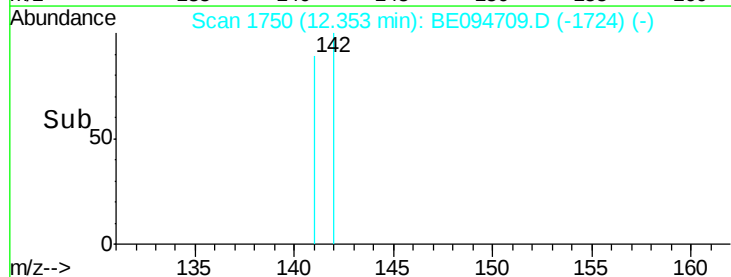
200

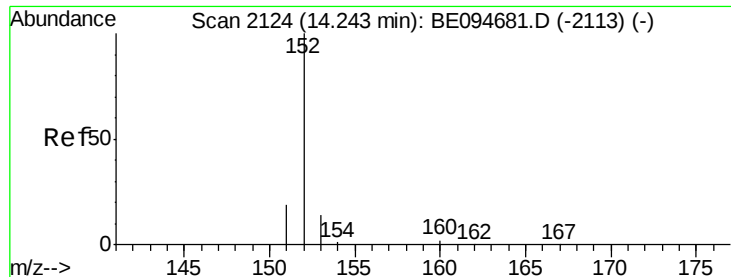
100

0

12.35

Time-->





#7

Acenaphthylene

Concen: 0.13 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094709.D

Acq: 3 Nov 2017 16:11

Instrument :

BNA_E

ClientSampleId :

B-62(0-1)-101117

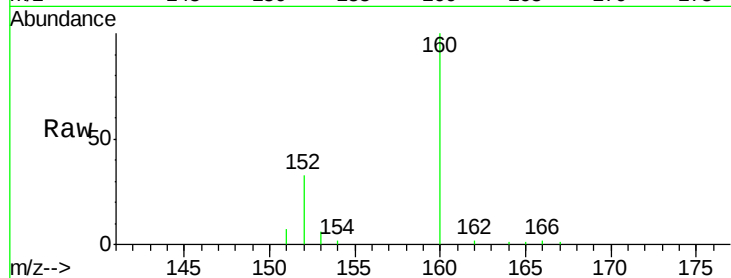
Tot Ion:152 Resp: 2599

Ion Ratio Lower Upper

152 100

151 22.0 17.1 25.7

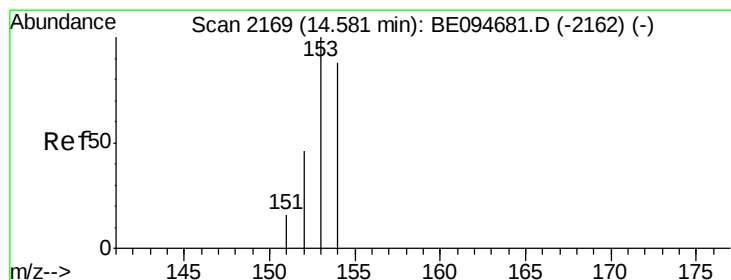
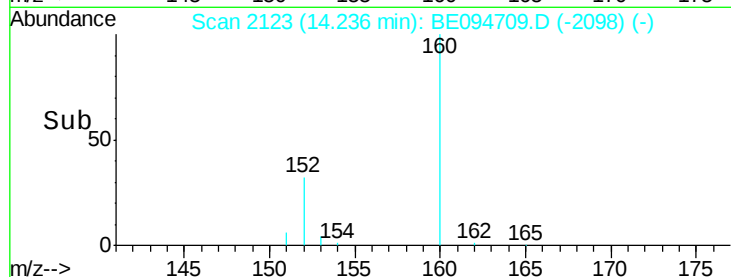
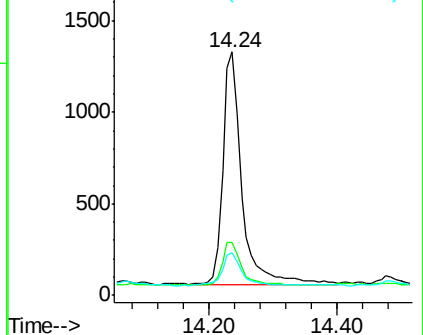
153 17.4 12.8 19.2



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: 0.28 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094709.D

Acq: 3 Nov 2017 16:11

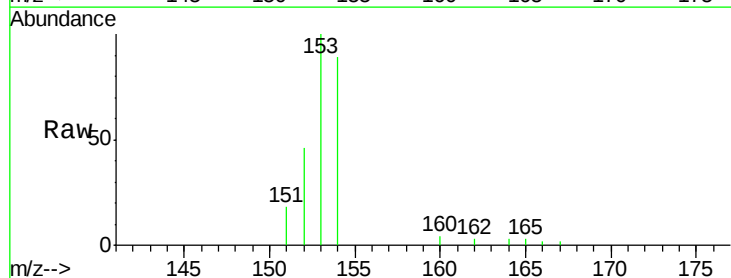
Tgt Ion:153 Resp: 4011

Ion Ratio Lower Upper

153 100

152 46.4 36.0 54.0

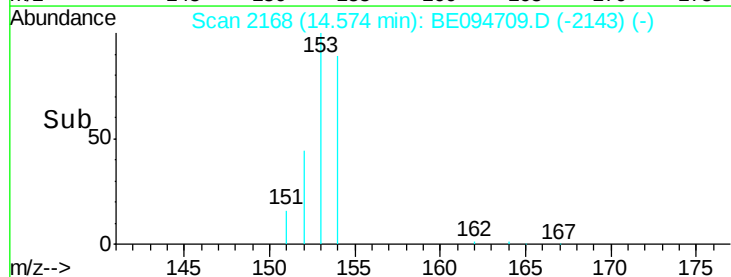
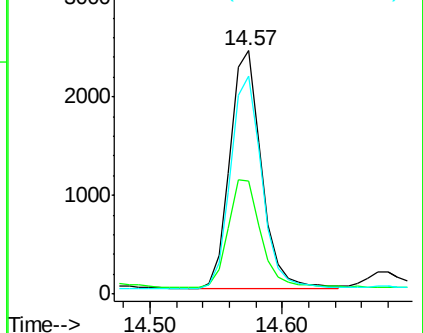
154 89.5 72.0 108.0

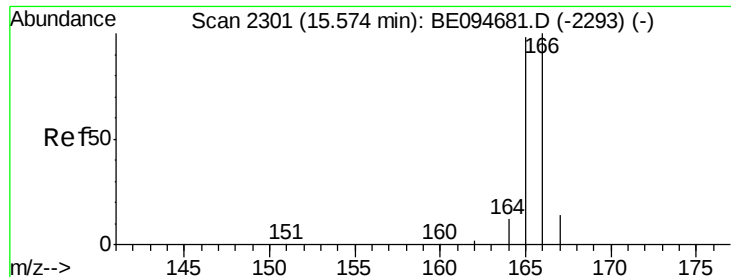


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.26 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094709.D

Acq: 3 Nov 2017 16:11

Instrument :

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ClientSampleId :

B-62(0-1)-101117

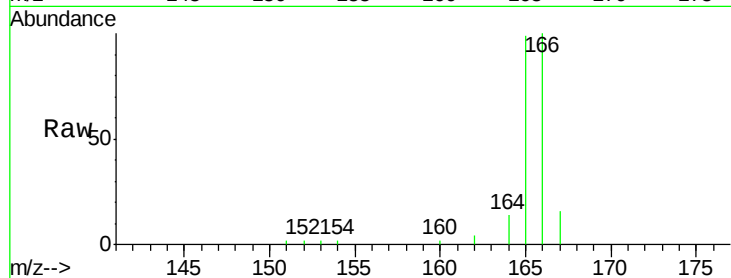
Tot Ion:166 Resp: 4257

Ion Ratio Lower Upper

166 100

165 99.5 73.4 110.2

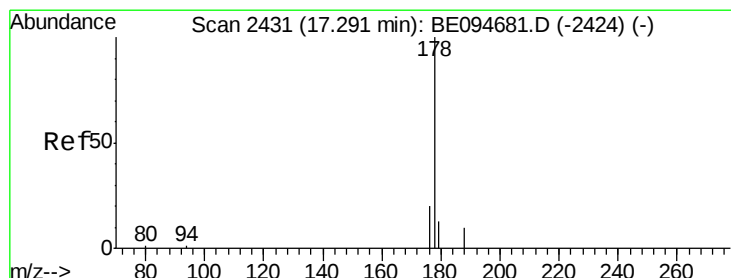
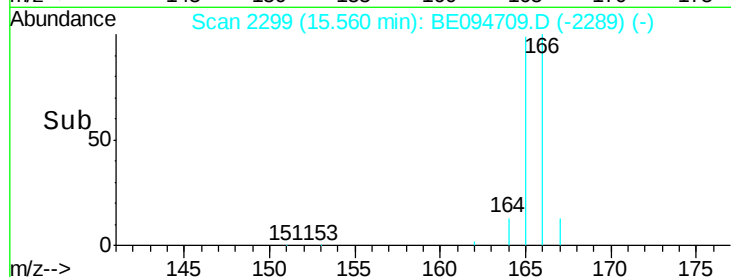
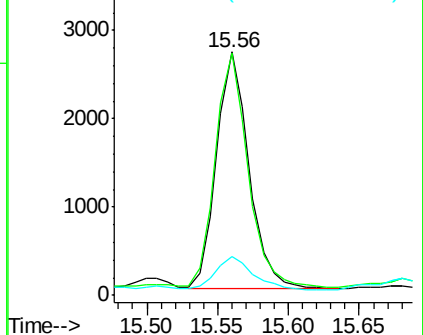
167 15.8 14.6 22.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 3.57 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094709.D

Acq: 3 Nov 2017 16:11

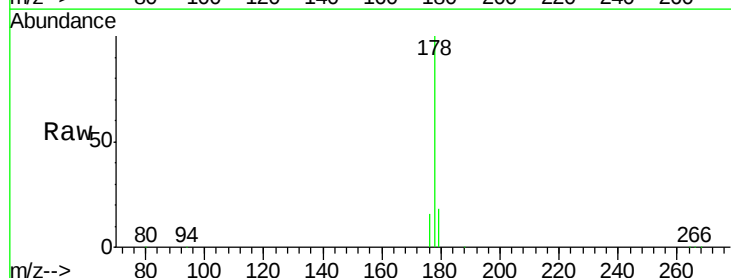
Tgt Ion:178 Resp: 89387

Ion Ratio Lower Upper

178 100

179 17.6 18.4 27.6#

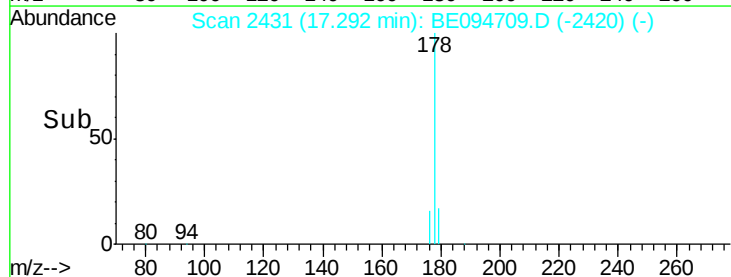
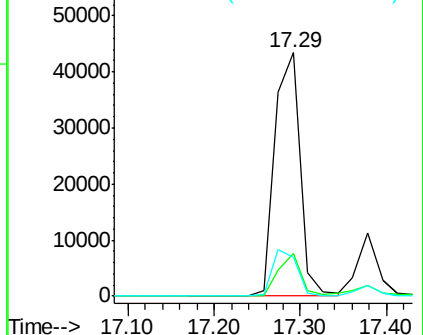
176 15.9 13.6 20.4

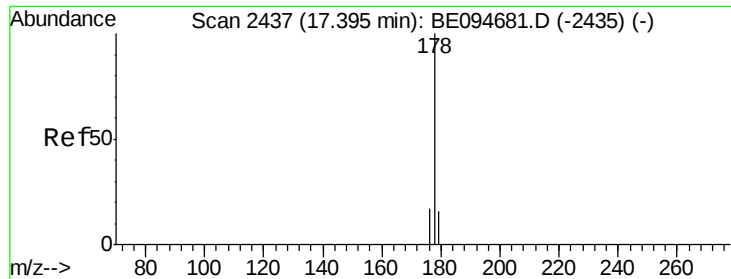


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.76 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.03 min

Lab File: BE094709.D

Acq: 3 Nov 2017 16:11

Instrument :

BNA_E

ClientSampleId :

B-62(0-1)-101117

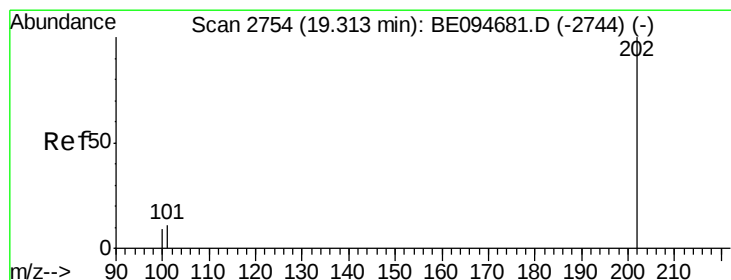
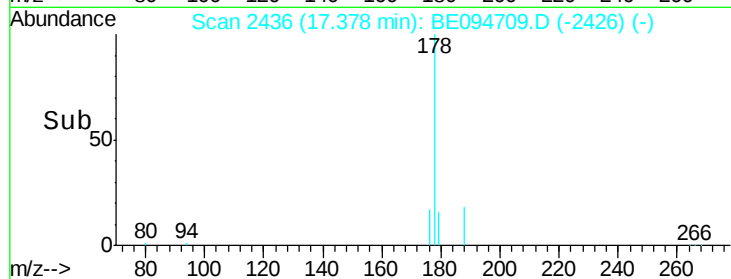
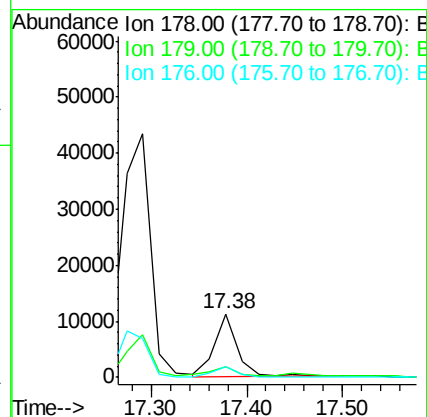
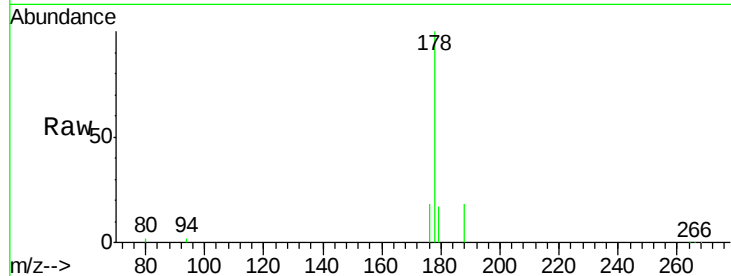
Tot Ion:178 Resp: 18824

Ion Ratio Lower Upper

178 100

179 17.0 18.1 27.1#

176 17.7 14.7 22.1



#15

Fluoranthene

Concen: 6.33 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094709.D

Acq: 3 Nov 2017 16:11

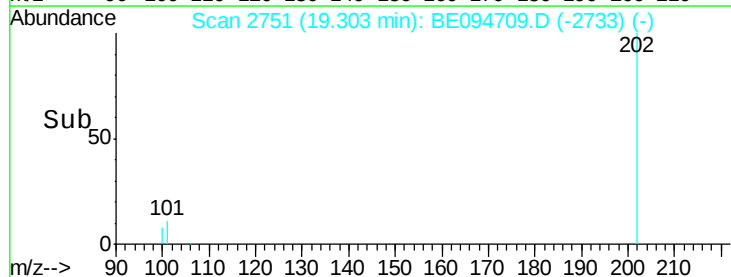
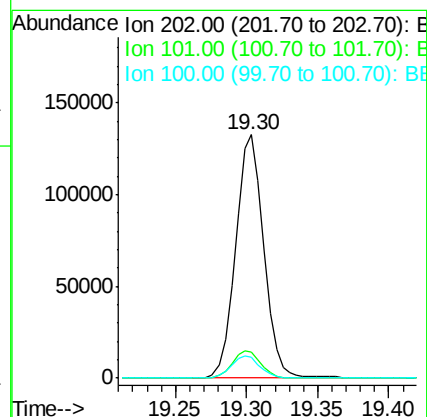
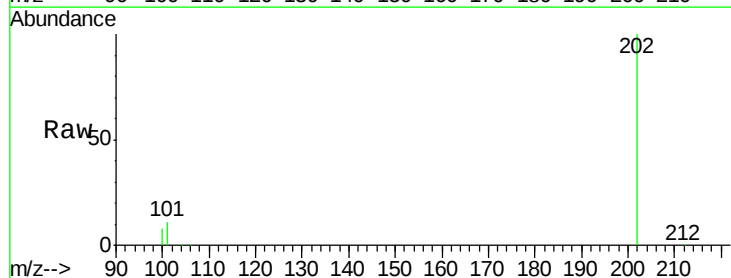
Tgt Ion:202 Resp: 183136

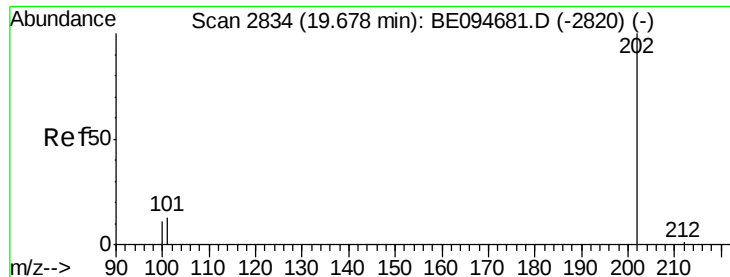
Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.3

100 8.3 0.0 39.5





#17

Pvrene

Concen: 5.44 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BE094709.D

Acq: 3 Nov 2017 16:11

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B-62(0-1)-101117

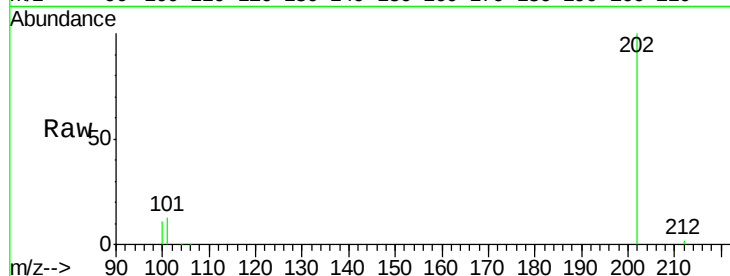
Tot Ion:202 Resp: 162522

Ion Ratio Lower Upper

202 100

101 13.1 18.2 27.4#

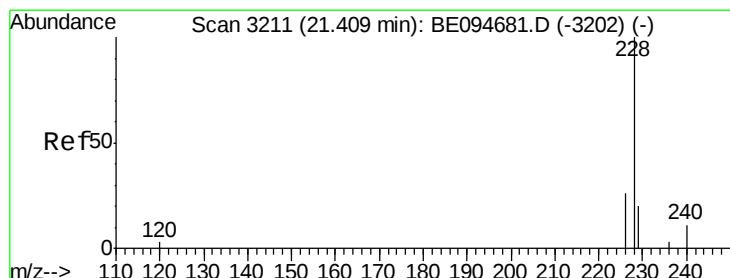
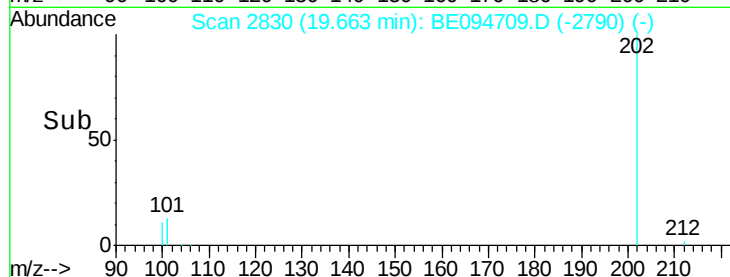
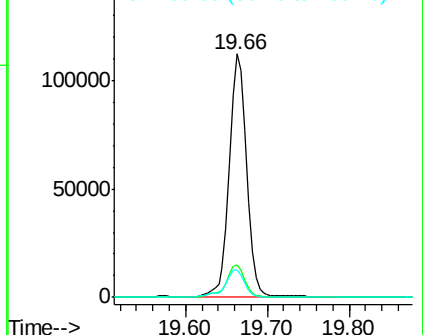
100 11.3 15.6 23.4#



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: 3.10 ng/ul

RT: 21.40 min Scan# 3208

Delta R.T. -0.02 min

Lab File: BE094709.D

Acq: 3 Nov 2017 16:11

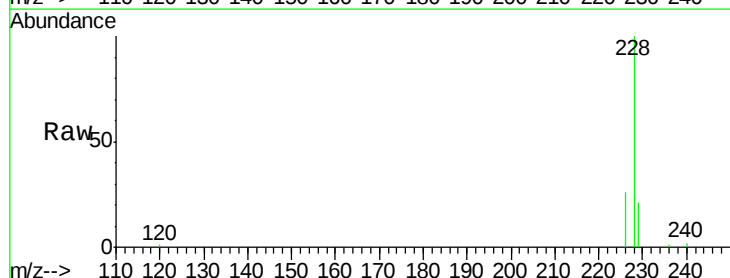
Tgt Ion:228 Resp: 85721

Ion Ratio Lower Upper

228 100

229 20.6 22.8 34.2#

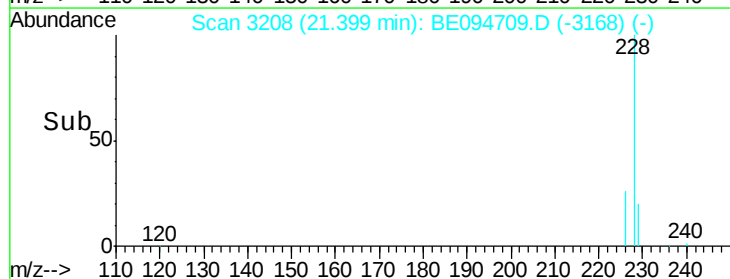
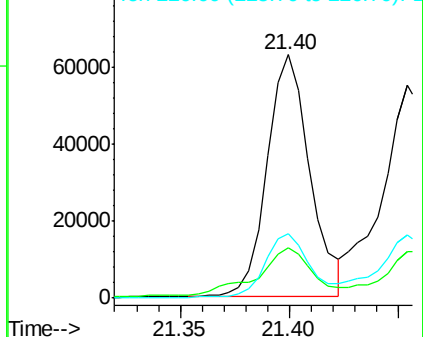
226 26.4 17.0 25.6#

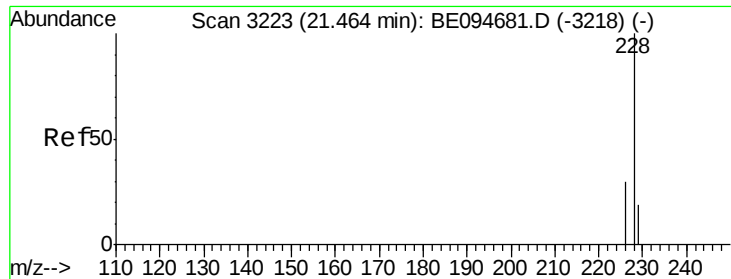


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 3.09 ng/ul

RT: 21.45 min Scan# 3220

Delta R.T. -0.02 min

Lab File: BE094709.D

Acq: 3 Nov 2017 16:11

Instrument :

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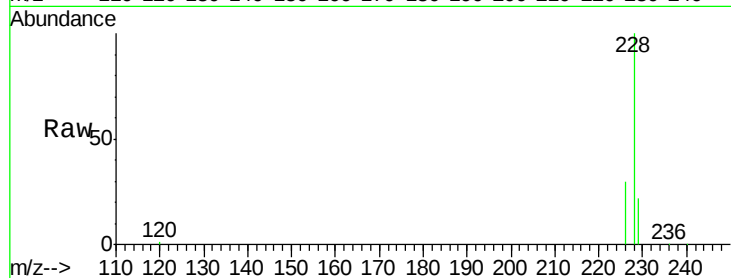
Tot Ion:228 Resp: 88126

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.0

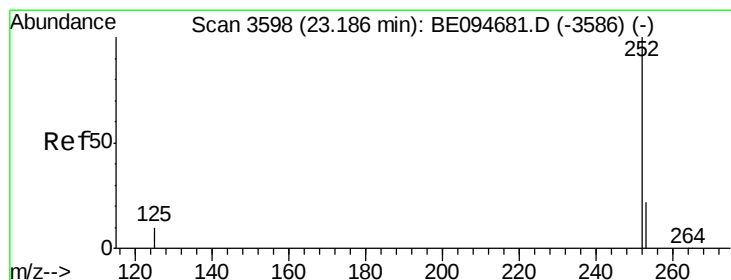
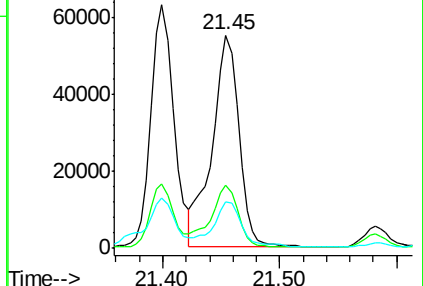
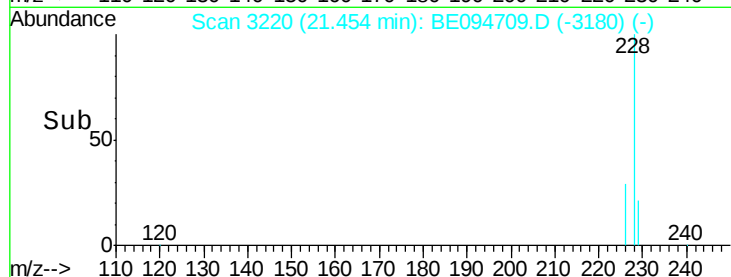
229 21.9 17.7 26.5



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: 5.18 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.02 min

Lab File: BE094709.D

Acq: 3 Nov 2017 16:11

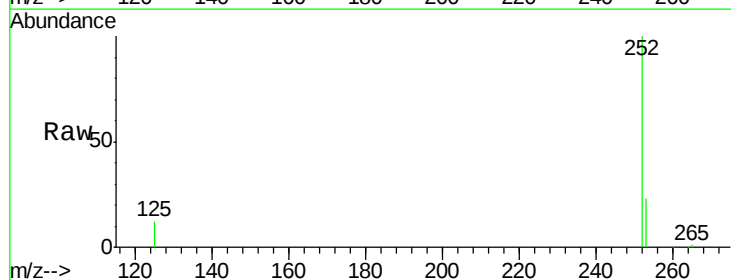
Tgt Ion:252 Resp: 152130

Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

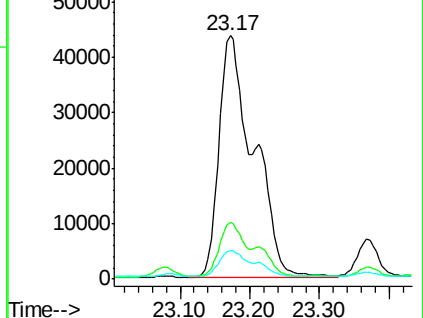
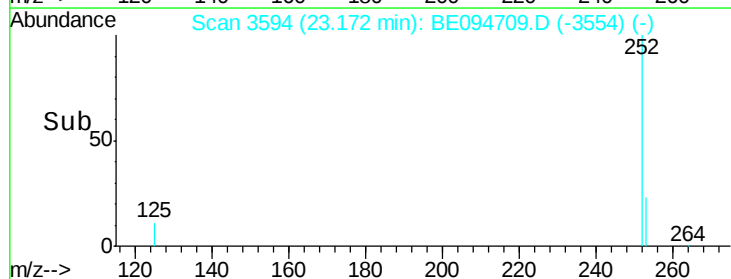
125 11.7 0.0 35.0

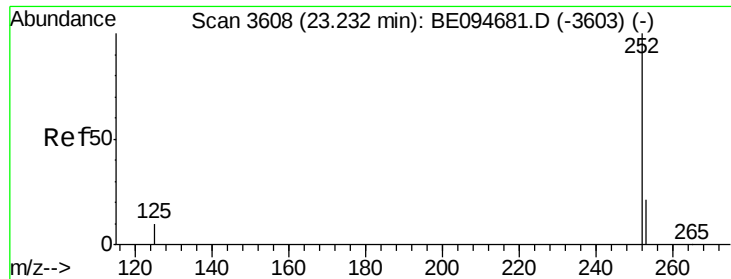


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 4.84 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.06 min

Lab File: BE094709.D

Acq: 3 Nov 2017 16:11

Instrument :

BNA_E

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B-62(0-1)-101117

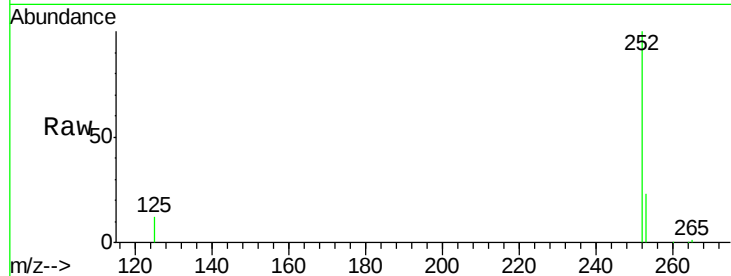
Tot Ion:252 Resp: 152130

Ion Ratio Lower Upper

252 100

253 23.3 24.5 36.7#

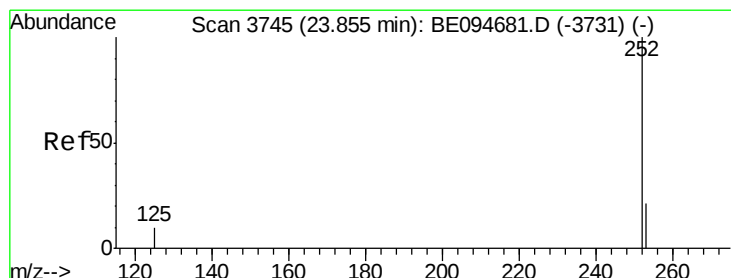
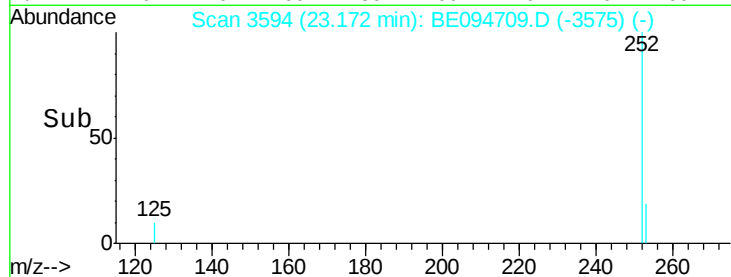
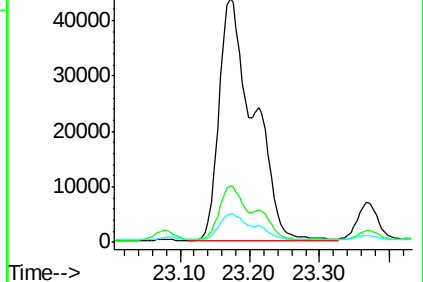
125 11.7 13.7 20.5#



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



#23

Benzo(a)pyrene

Concen: 2.52 ng/ul

RT: 23.83 min Scan# 3739

Delta R.T. -0.03 min

Lab File: BE094709.D

Acq: 3 Nov 2017 16:11

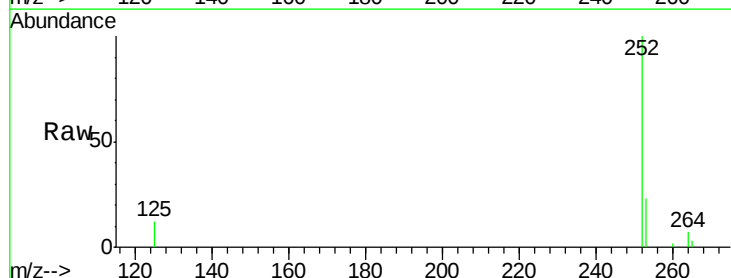
Tgt Ion:252 Resp: 73839

Ion Ratio Lower Upper

252 100

253 23.3 28.5 42.7#

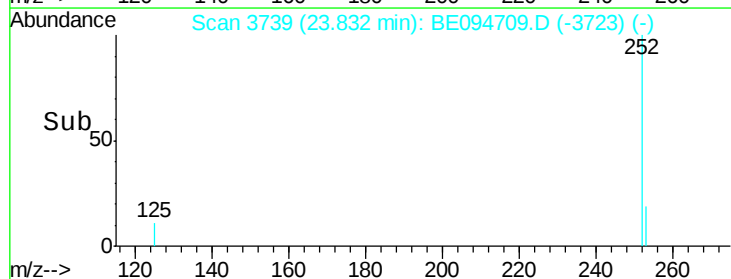
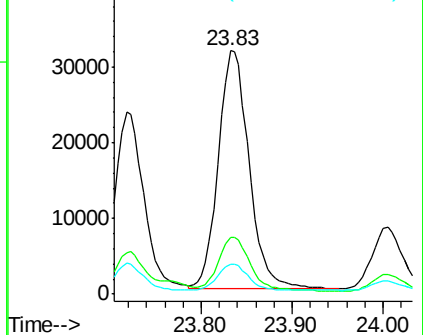
125 12.5 18.1 27.1#

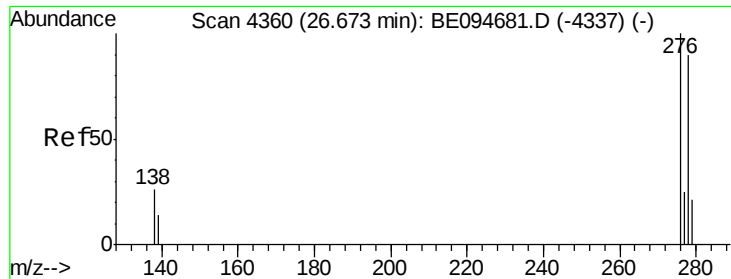


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 1.34 ng/ul

RT: 26.65 min Scan# 4353

Delta R.T. -0.04 min

Lab File: BE094709.D

Acq: 3 Nov 2017 16:11

Instrument :

BNA_E

ClientSampleId :

B-62(0-1)-101117

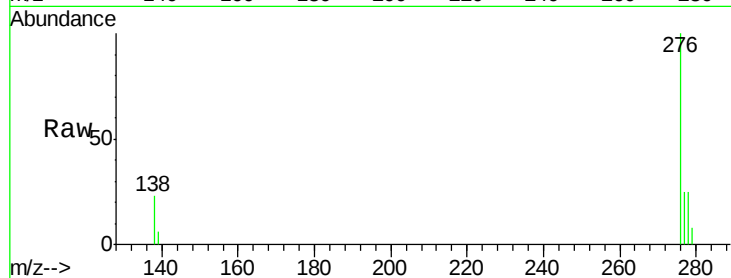
Tot Ion:276 Resp: 40615

Ion Ratio Lower Upper

276 100

138 20.9 28.0 42.0#

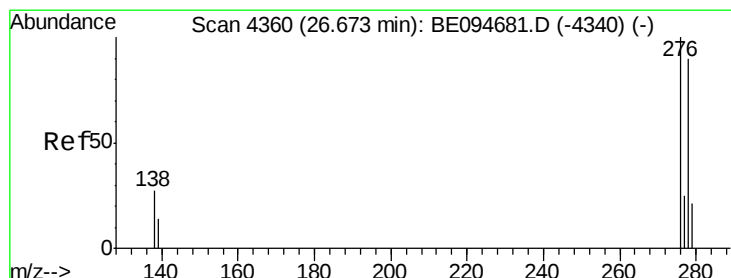
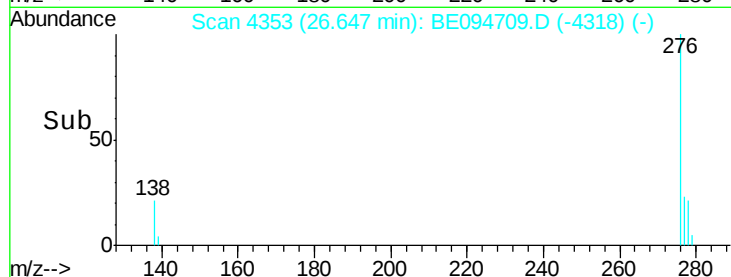
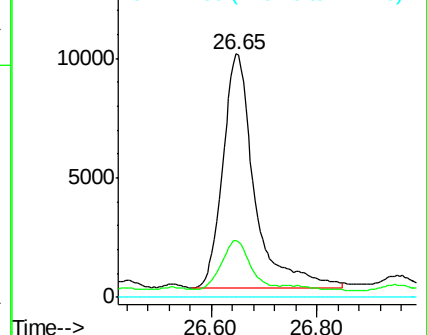
227 0.0 8.0 12.0#



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. -0.03 min

Lab File: BE094709.D

Acq: 3 Nov 2017 16:11

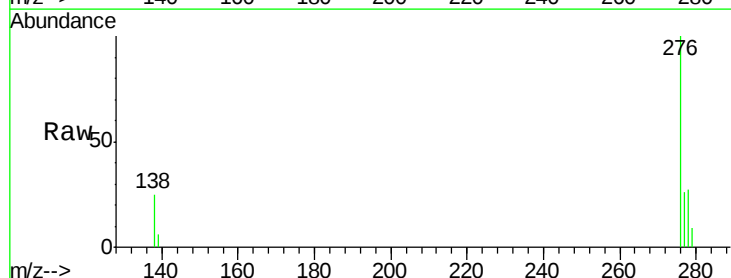
Tgt Ion:278 Resp: 9302

Ion Ratio Lower Upper

278 100

139 22.5 17.4 26.0

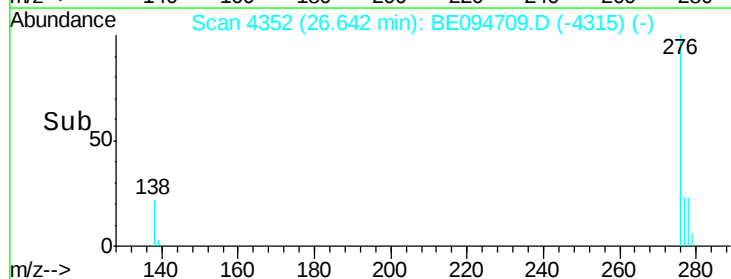
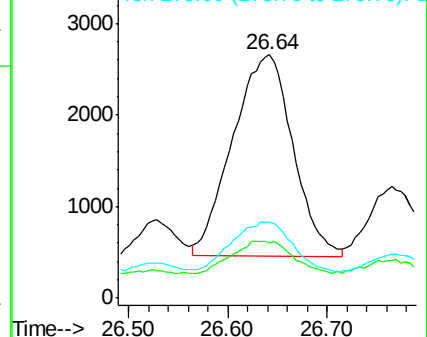
279 31.4 25.9 38.9

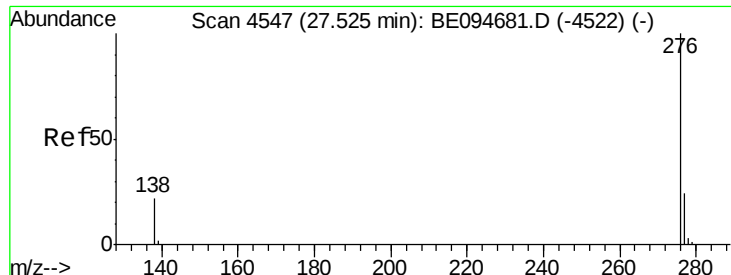


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.39 ng/ul

RT: 27.49 min Scan# 4537

Delta R.T. -0.03 min

Lab File: BE094709.D

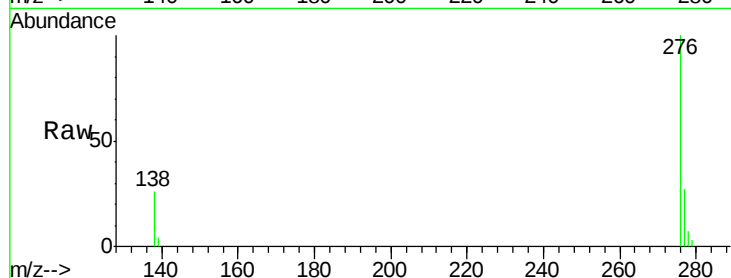
Acq: 3 Nov 2017 16:11

Instrument :

BNA_E

ClientSampleId :

B-62(0-1)-101117



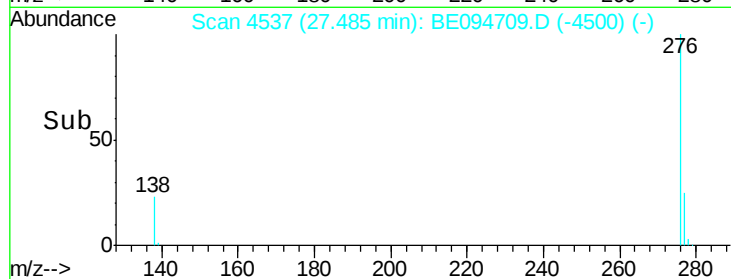
Tot Ion:276 Resp: 33991

Ion Ratio Lower Upper

276 100

138 25.5 21.8 32.8

277 26.7 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

