

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094730.D
 Acq On : 4 Nov 2017 4:37
 Operator : SJ/JU
 Sample : I6032-02 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-31(5-5.5)-101817

Quant Time: Nov 04 05:19:03 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 04 02:38:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1698	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.68	136	10214	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	5656	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.24	188	12102	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	11825	0.40	ng/ul	-0.01
20) Perylene-d12	23.95	264	13140	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	789	0.05	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	1966	0.05	ng/ul	-0.01

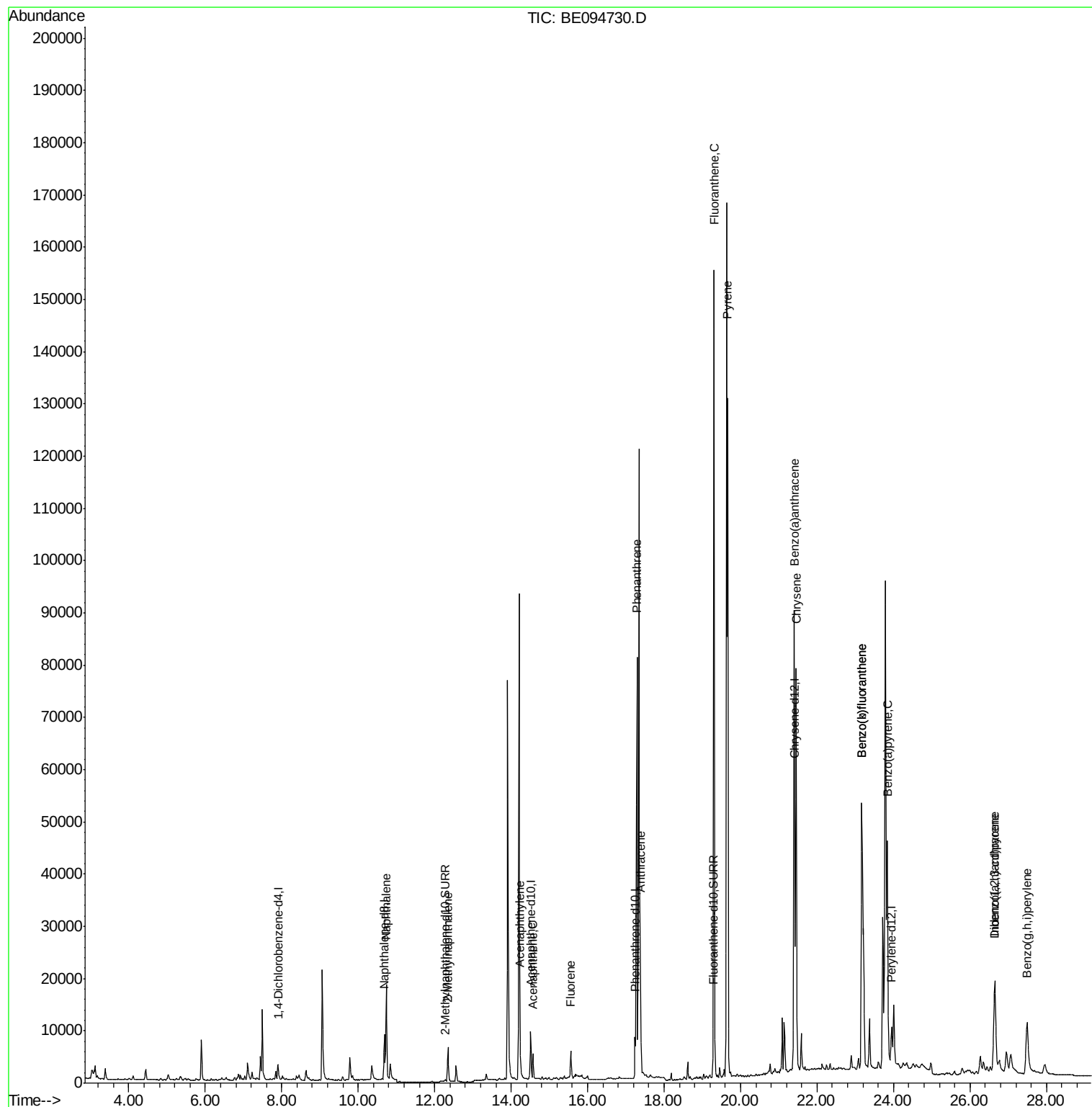
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	31089	1.24	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	6517	0.37	ng/ul	98
7) Acenaphthylene	14.24	152	4946	0.19	ng/ul	99
8) Acenaphthene	14.57	153	3187	0.17	ng/ul	99
9) Fluorene	15.56	166	3700	0.18	ng/ul	93
12) Phenanthrene	17.29	178	110970	3.47	ng/ul#	92
13) Anthracene	17.38	178	28614	0.91	ng/ul#	92
15) Fluoranthene	19.30	202	178313	4.83	ng/ul	84
17) Pyrene	19.66	202	153710	4.20	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	84452	2.50	ng/ul#	86
19) Chrysene	21.46	228	80425	2.30	ng/ul	99
21) Benzo(b)fluoranthene	23.17	252	134284	3.63	ng/ul	86
22) Benzo(k)fluoranthene	23.17	252	134284	3.39	ng/ul#	88
23) Benzo(a)pyrene	23.84	252	67235	1.82	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.65	276	39385	1.03	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.64	278	9505	0.30	ng/ul#	95
26) Benzo(a,h,i)perylene	27.49	276	30629	1.00	ng/ul	98

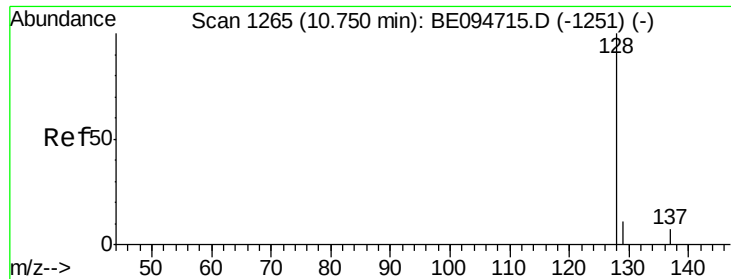
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
Data File : BE094730.D
Acq On : 4 Nov 2017 4:37
Operator : SJ/JU
Sample : I6032-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-31(5-5.5)-101817

Quant Time: Nov 04 05:19:03 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 04 02:38:13 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.24 ng/ul

RT: 10.74 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE094730.D

Acq: 4 Nov 2017 4:37

Instrument :

BNA_E

ClientSampleId :

B-31(5-5.5)-101817

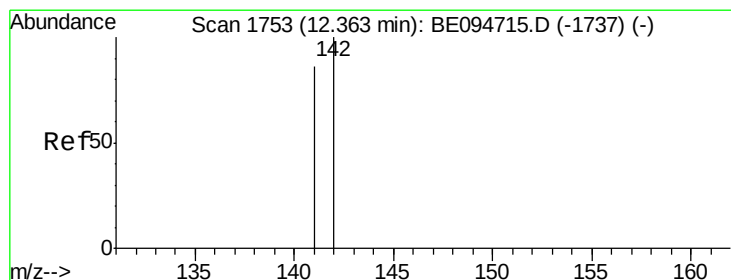
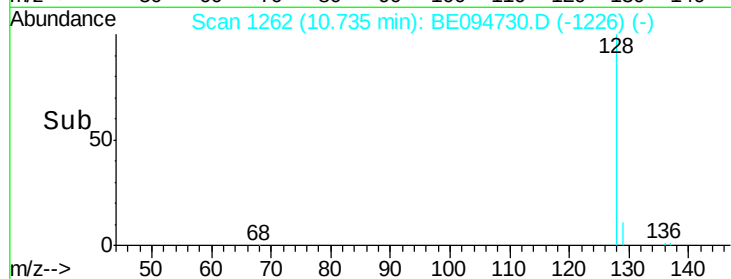
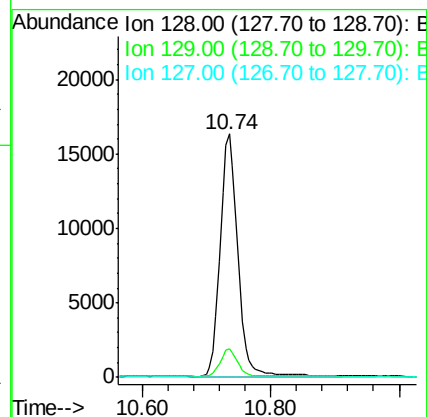
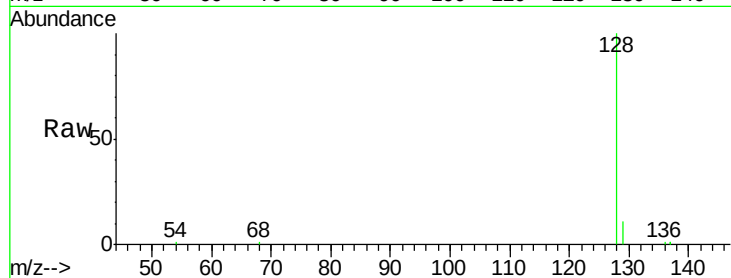
Tot Ion:128 Resp: 31089

Ion Ratio Lower Upper

128 100

129 11.5 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.37 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BE094730.D

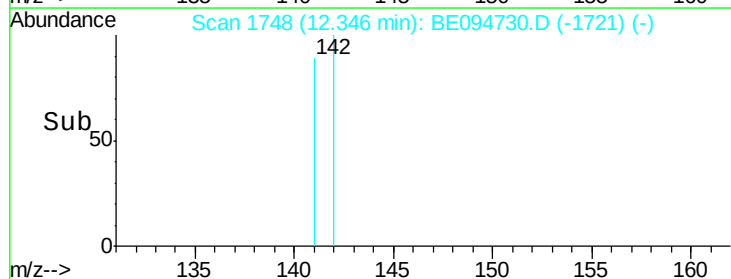
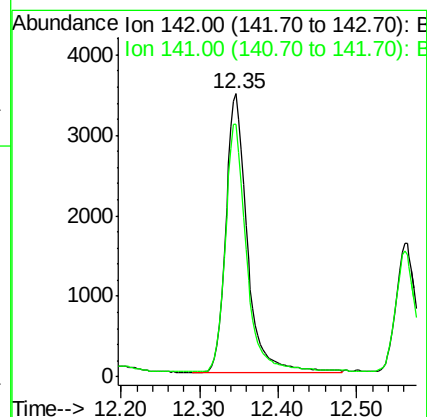
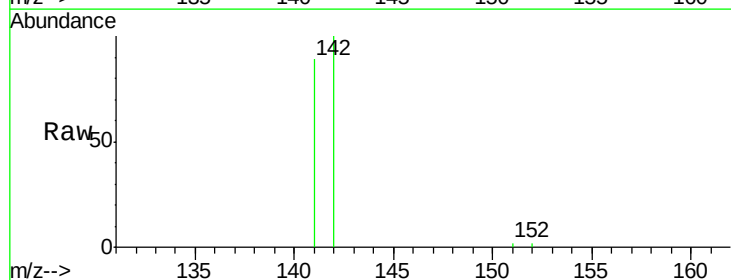
Acq: 4 Nov 2017 4:37

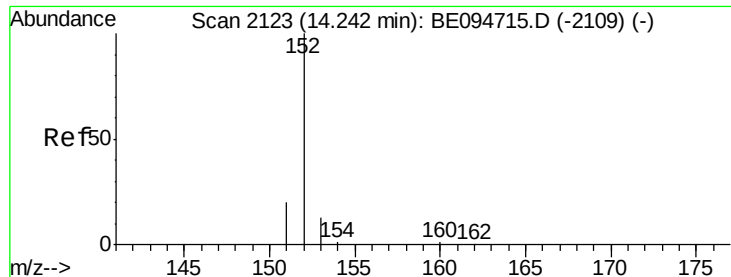
Tgt Ion:142 Resp: 6517

Ion Ratio Lower Upper

142 100

141 88.6 72.6 108.8





#7

Acenaphthylene

Concen: 0.19 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094730.D

Acq: 4 Nov 2017 4:37

Instrument :

BNA_E

ClientSampleId :

B-31(5-5.5)-101817

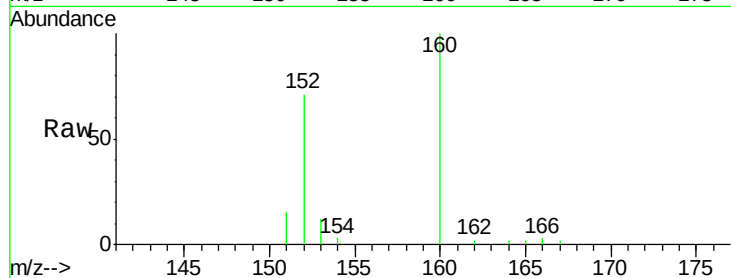
Tot Ion:152 Resp: 4946

Ion Ratio Lower Upper

152 100

151 21.5 17.1 25.7

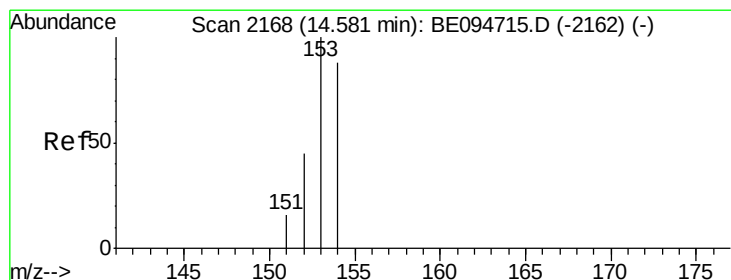
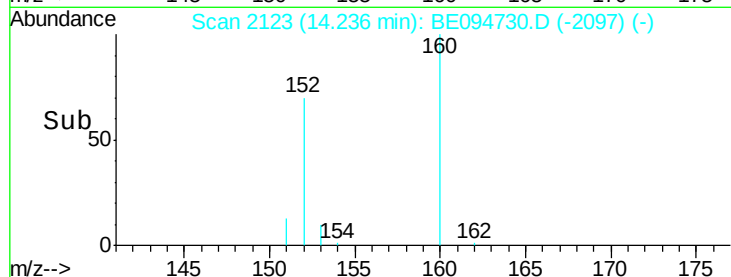
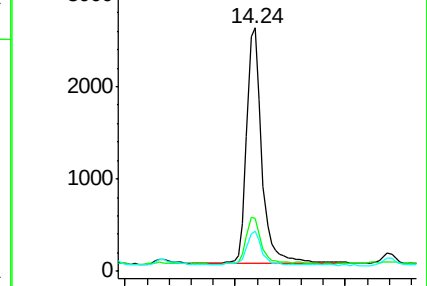
153 16.7 12.8 19.2



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: 0.17 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094730.D

Acq: 4 Nov 2017 4:37

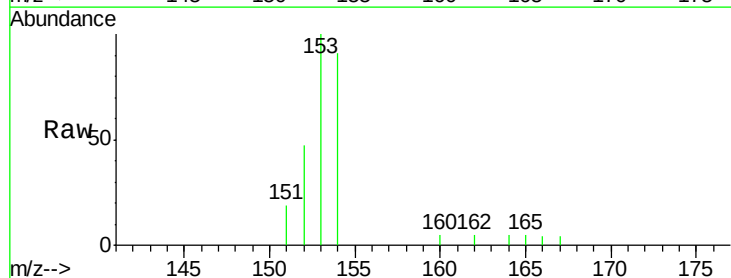
Tgt Ion:153 Resp: 3187

Ion Ratio Lower Upper

153 100

152 46.7 36.0 54.0

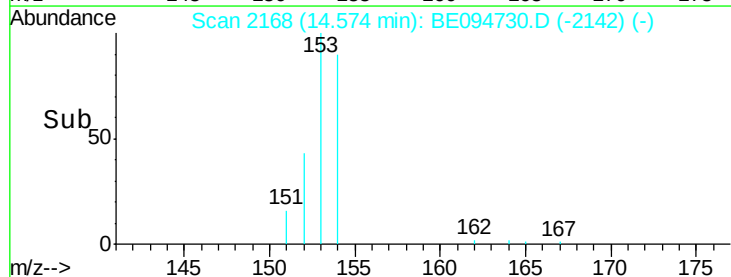
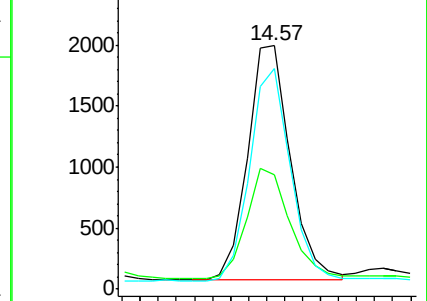
154 90.7 72.0 108.0

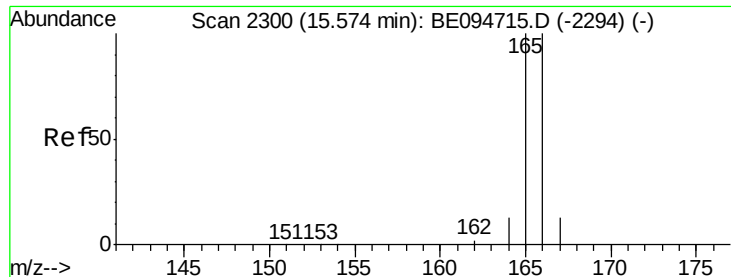


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.18 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE094730.D

Acq: 4 Nov 2017 4:37

Instrument :

BNA_E

ClientSampleId :

B-31(5-5.5)-101817

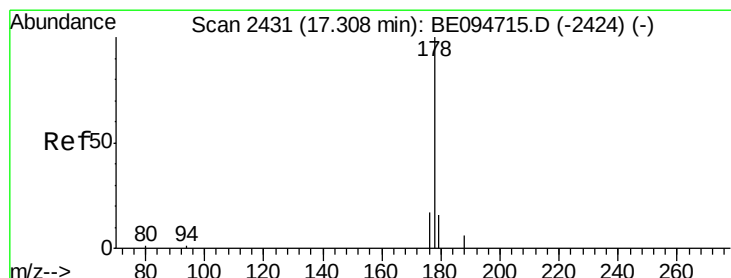
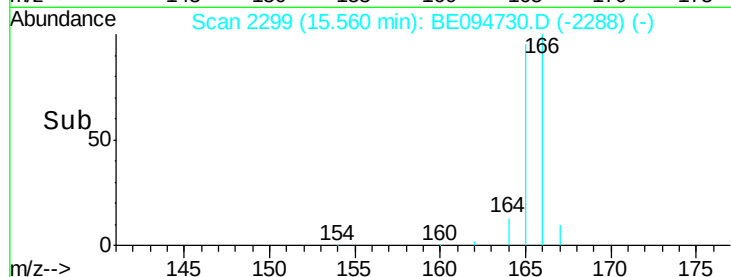
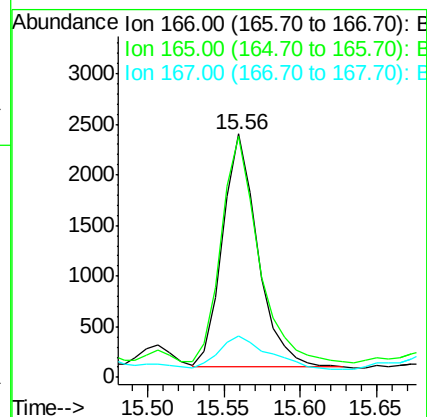
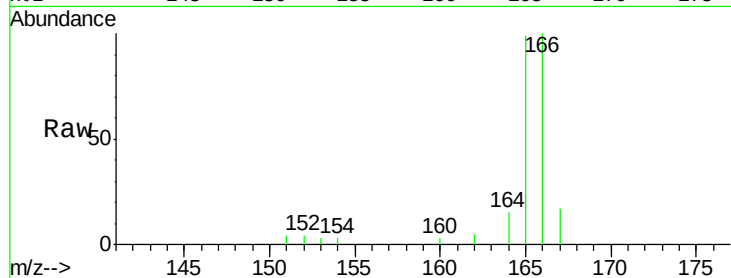
Tot Ion:166 Resp: 3700

Ion Ratio Lower Upper

166 100

165 99.1 73.4 110.2

167 16.9 14.6 22.0



#12

Phenanthrene

Concen: 3.47 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094730.D

Acq: 4 Nov 2017 4:37

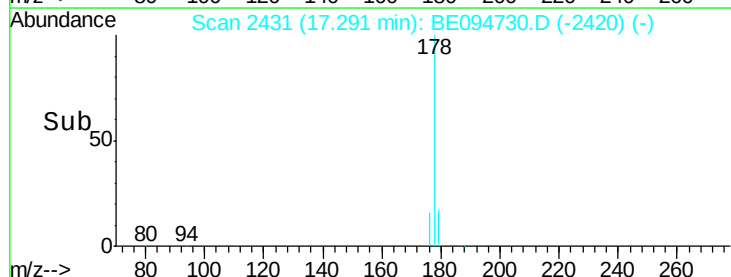
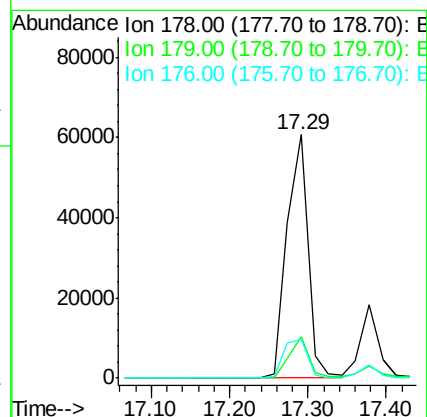
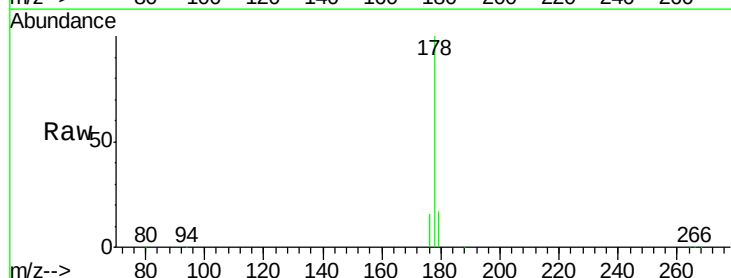
Tgt Ion:178 Resp: 110970

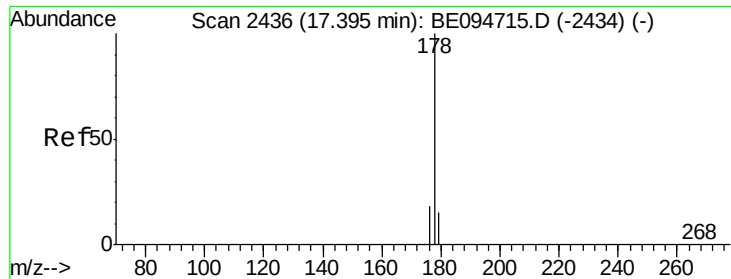
Ion Ratio Lower Upper

178 100

179 17.2 18.4 27.6#

176 15.9 13.6 20.4





#13

Anthracene

Concen: 0.91 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094730.D

Acq: 4 Nov 2017 4:37

Instrument :

BNA_E

ClientSampleId :

B-31(5-5.5)-101817

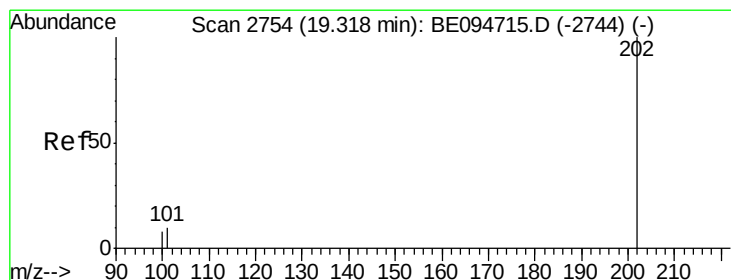
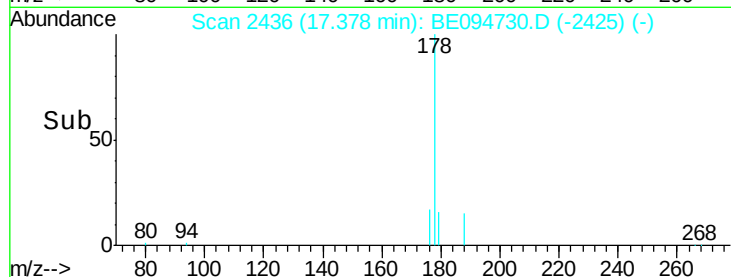
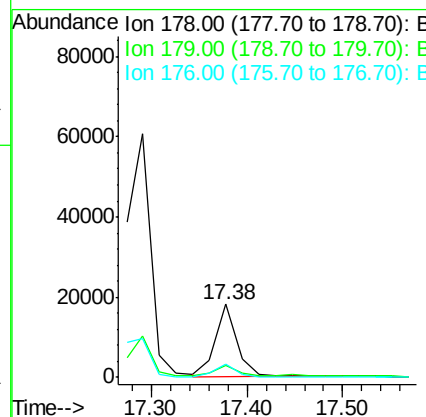
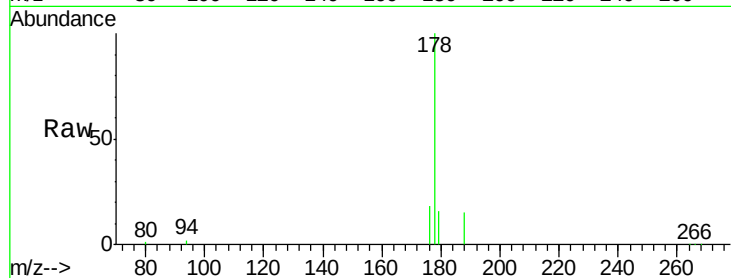
Tot Ion:178 Resp: 28614

Ion Ratio Lower Upper

178 100

179 16.3 18.1 27.1#

176 17.8 14.7 22.1



#15

Fluoranthene

Concen: 4.83 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094730.D

Acq: 4 Nov 2017 4:37

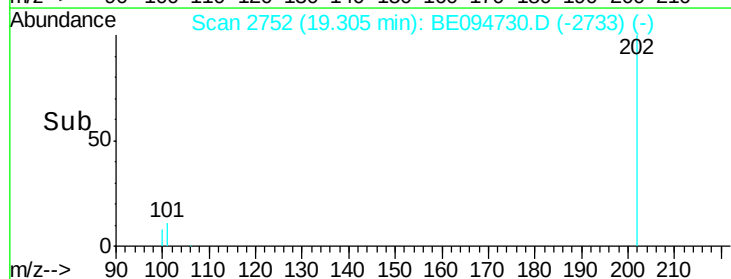
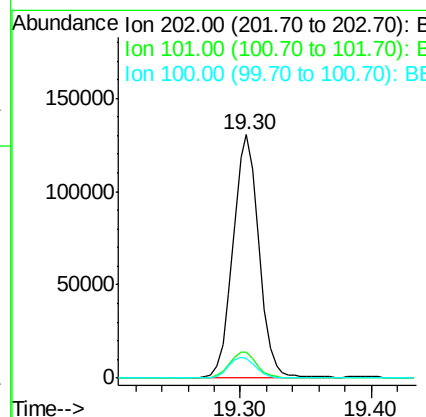
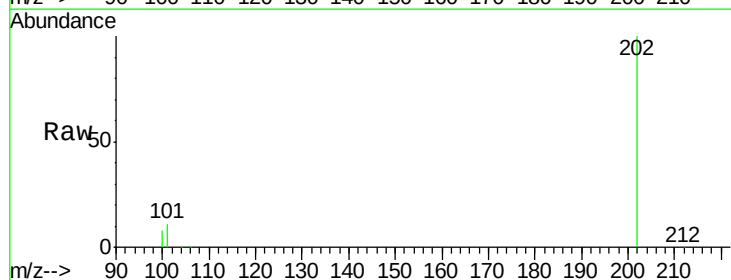
Tgt Ion:202 Resp: 178313

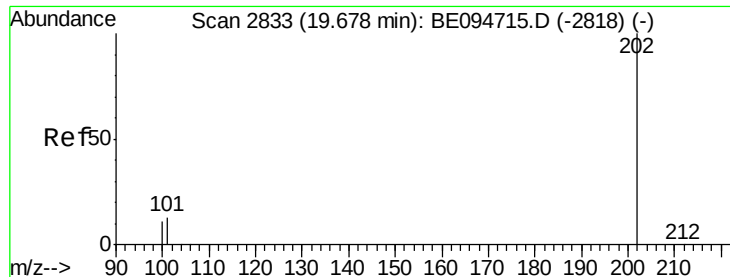
Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.3

100 8.3 0.0 39.5





#17

Pvrene

Concen: 4.20 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BE094730.D

Acq: 4 Nov 2017 4:37

Instrument :

BNA_E

ClientSampleId :

B-31(5-5.5)-101817

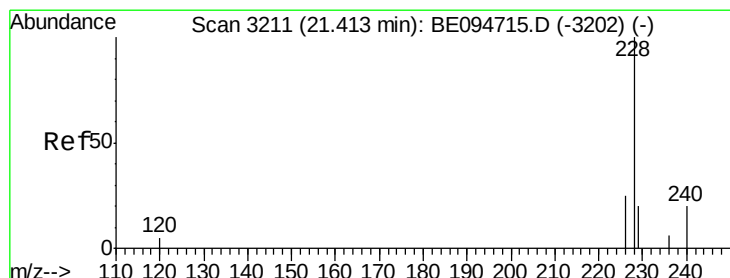
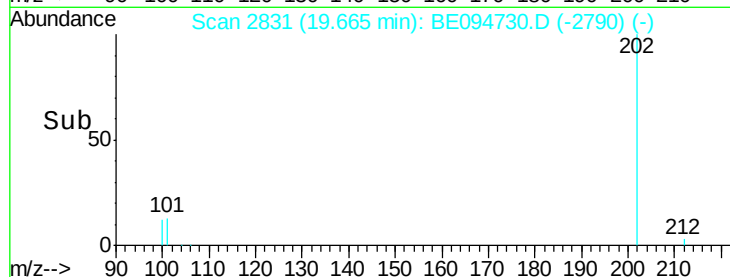
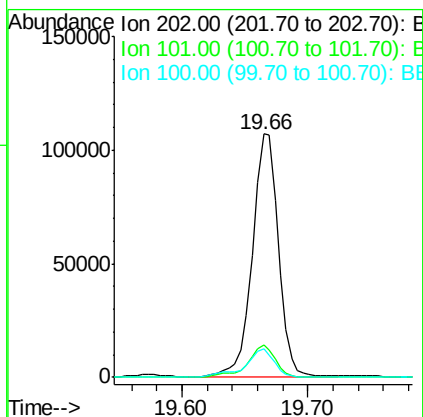
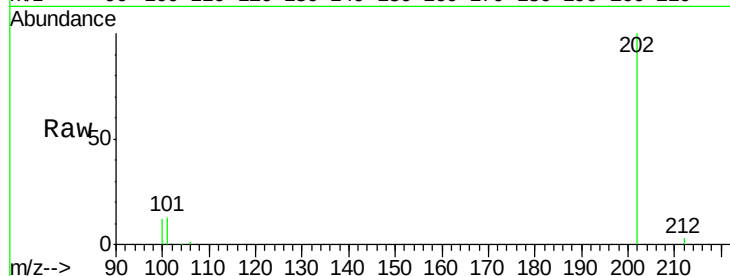
Tot Ion:202 Resp: 153710

Ion Ratio Lower Upper

202 100

101 13.4 18.2 27.4#

100 11.6 15.6 23.4#



#18

Benzo(a)anthracene

Concen: 2.50 ng/ul

RT: 21.40 min Scan# 3208

Delta R.T. -0.01 min

Lab File: BE094730.D

Acq: 4 Nov 2017 4:37

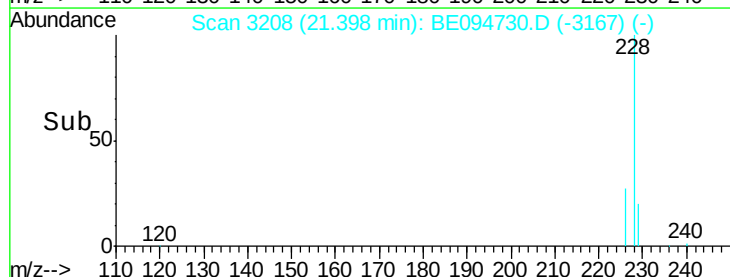
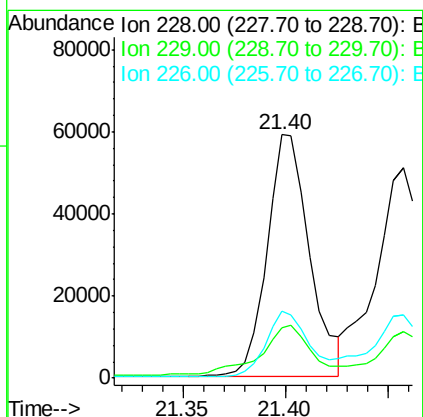
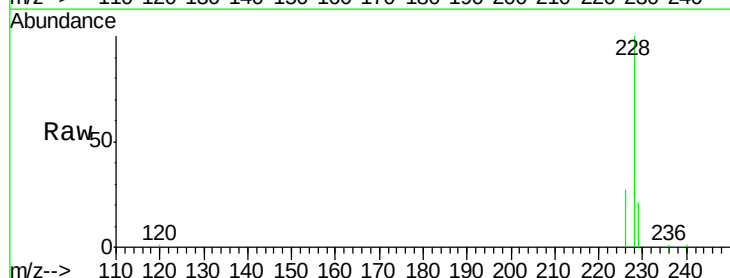
Tgt Ion:228 Resp: 84452

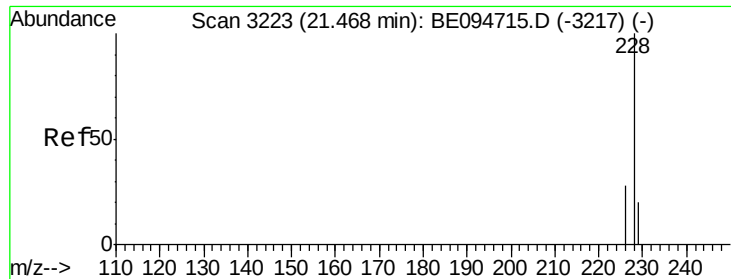
Ion Ratio Lower Upper

228 100

229 20.7 22.8 34.2#

226 27.3 17.0 25.6#





#19

Chrysene

Concen: 2.30 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094730.D

Acq: 4 Nov 2017 4:37

Instrument :

BNA_E

ClientSampleId :

B-31(5-5.5)-101817

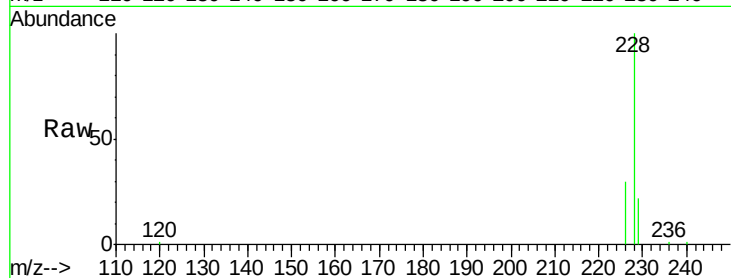
Tot Ion:228 Resp: 80425

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

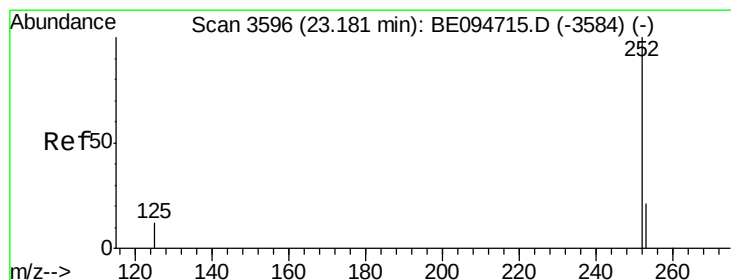
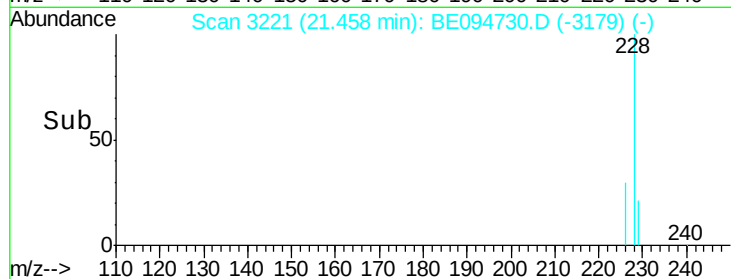
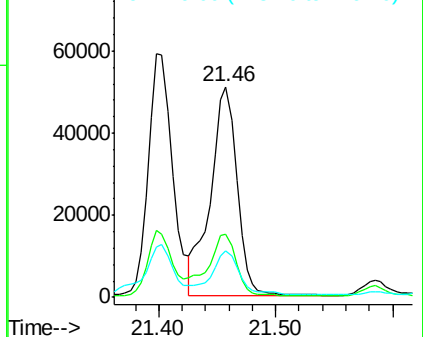
229 22.2 17.7 26.5



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: 3.63 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.01 min

Lab File: BE094730.D

Acq: 4 Nov 2017 4:37

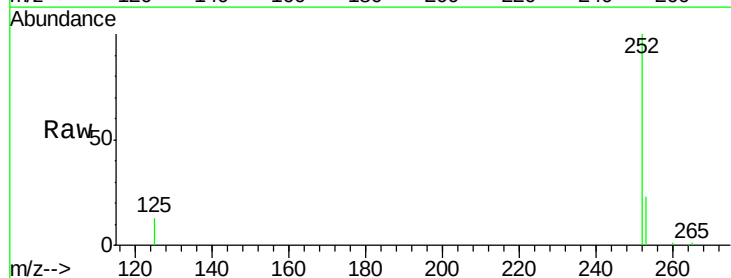
Tgt Ion:252 Resp: 134284

Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

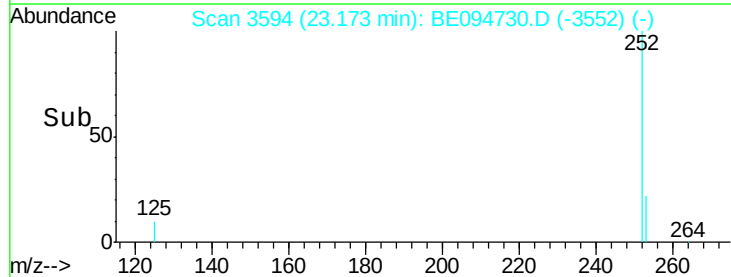
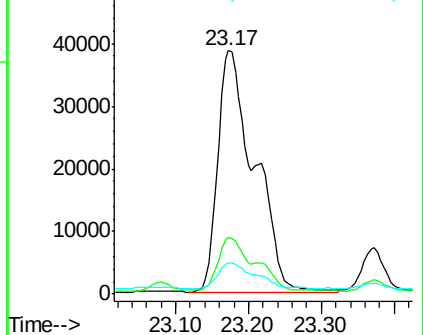
125 12.5 0.0 35.0

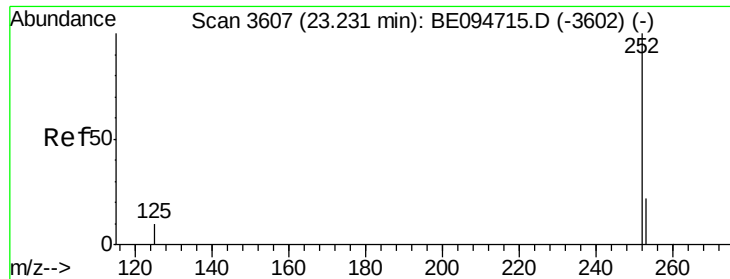


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.39 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.06 min

Lab File: BE094730.D

Acq: 4 Nov 2017 4:37

Instrument :

BNA_E

ClientSampleId :

B-31(5-5.5)-101817

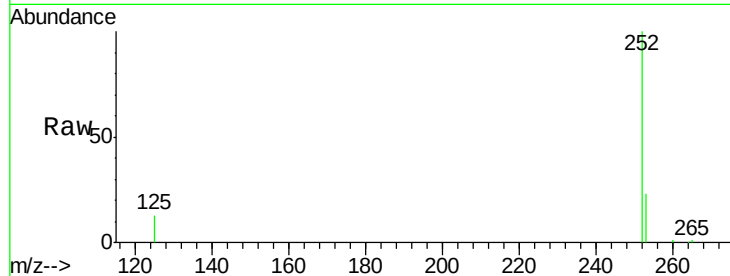
Tot Ion:252 Resp: 134284

Ion Ratio Lower Upper

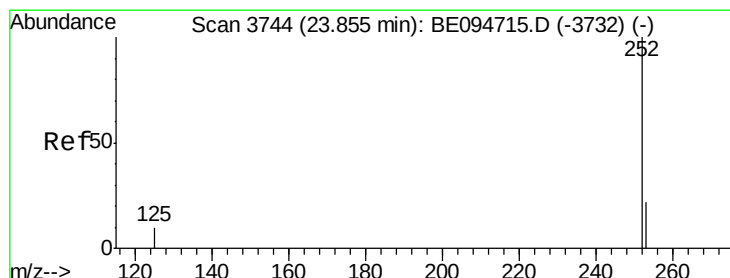
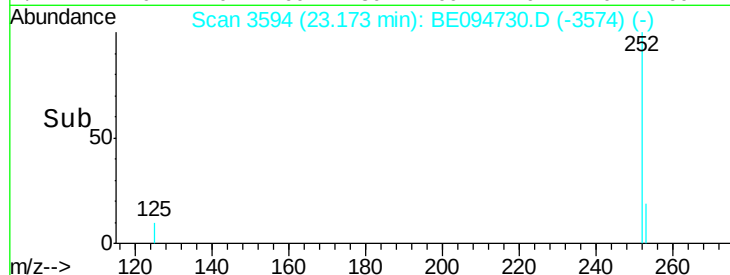
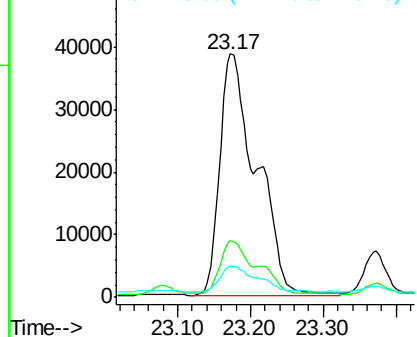
252 100

253 23.2 24.5 36.7#

125 12.5 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: 1.82 ng/ul

RT: 23.84 min Scan# 3740

Delta R.T. -0.02 min

Lab File: BE094730.D

Acq: 4 Nov 2017 4:37

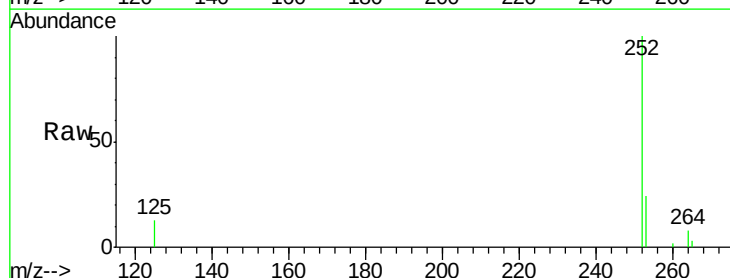
Tgt Ion:252 Resp: 67235

Ion Ratio Lower Upper

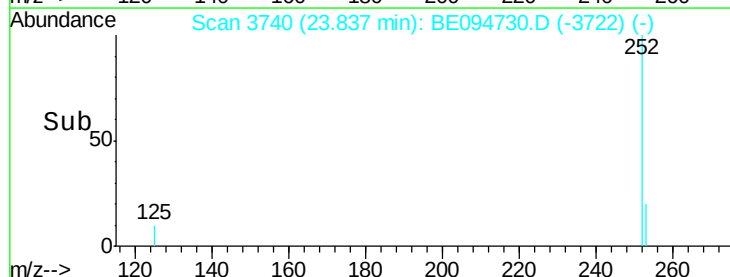
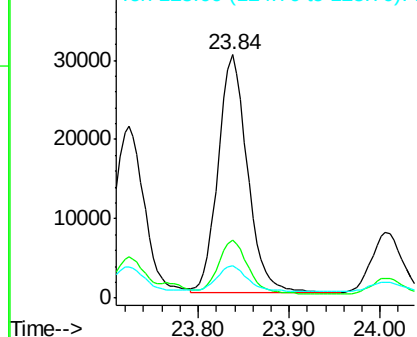
252 100

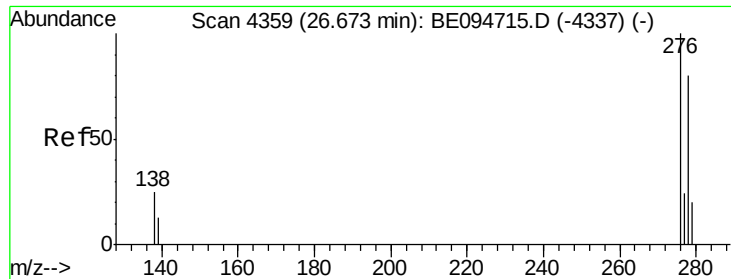
253 23.9 28.5 42.7#

125 13.5 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: 1.03 ng/ul

RT: 26.65 min Scan# 4354

Delta R.T. -0.02 min

Lab File: BE094730.D

Acq: 4 Nov 2017 4:37

Instrument :

BNA_E

ClientSampleId :

B-31(5-5.5)-101817

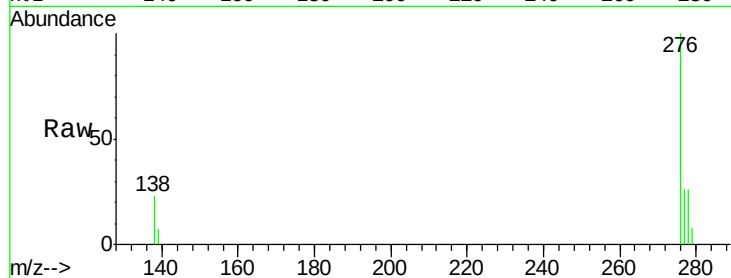
Tot Ion:276 Resp: 39385

Ion Ratio Lower Upper

276 100

138 20.6 28.0 42.0#

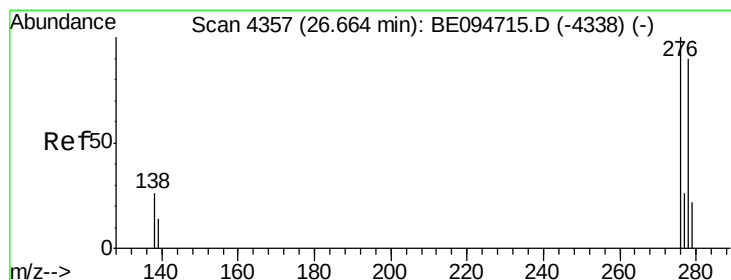
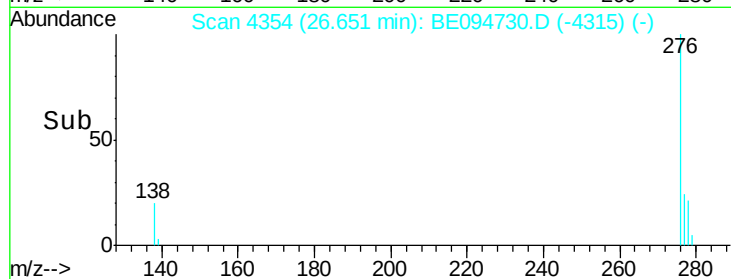
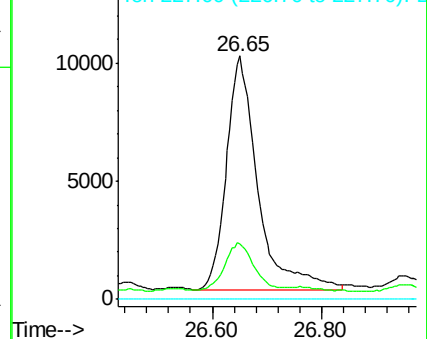
227 0.0 8.0 12.0#



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: 0.30 ng/ul

RT: 26.64 min Scan# 4351

Delta R.T. -0.03 min

Lab File: BE094730.D

Acq: 4 Nov 2017 4:37

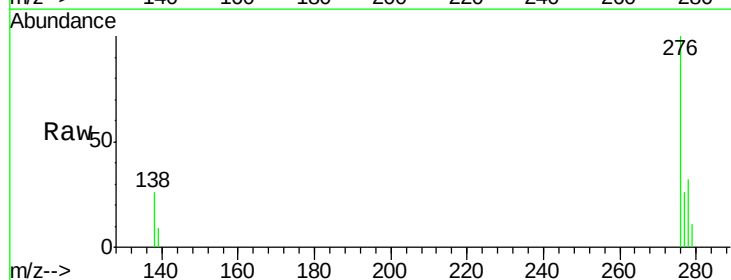
Tgt Ion:278 Resp: 9505

Ion Ratio Lower Upper

278 100

139 27.0 17.4 26.0#

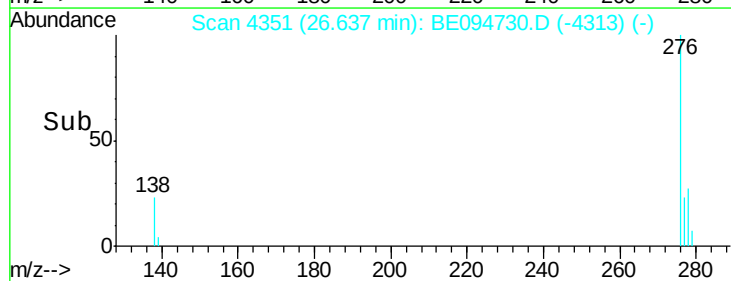
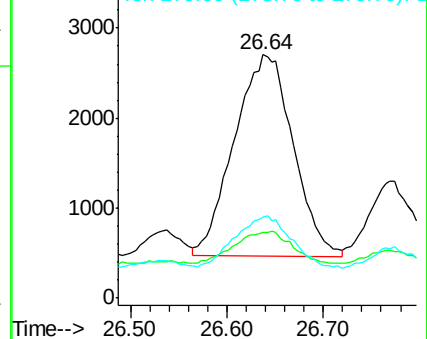
279 33.1 25.9 38.9

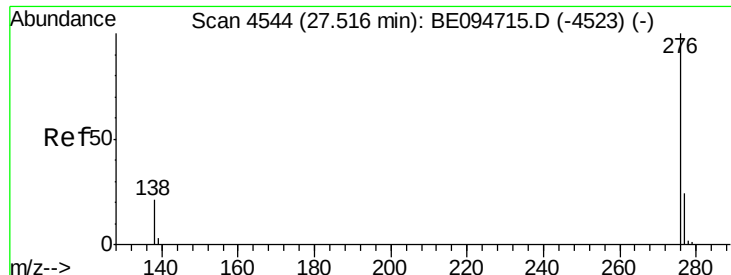


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.00 ng/ul

RT: 27.49 min Scan# 4539

Delta R.T. -0.02 min

Lab File: BE094730.D

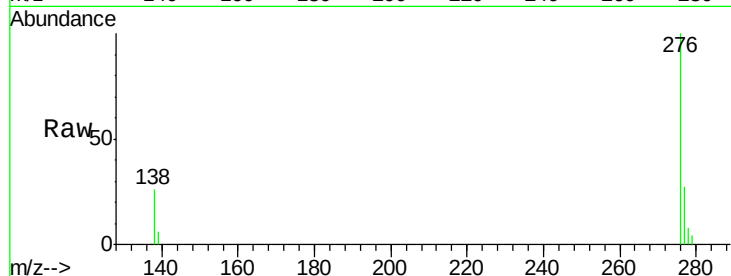
Acq: 4 Nov 2017 4:37

Instrument :

BNA_E

ClientSampleId :

B-31(5-5.5)-101817



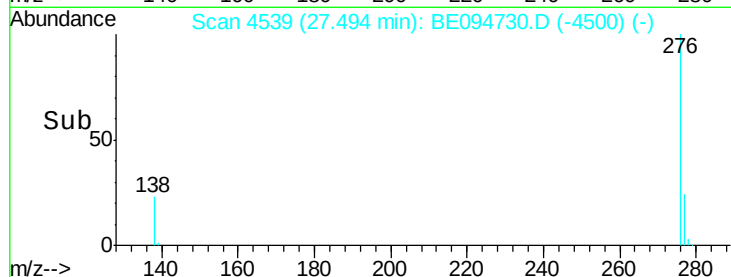
Tot Ion: 276 Resp: 30629

Ion Ratio Lower Upper

276 100

138 26.0 21.8 32.8

277 26.8 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

