

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
 Data File : BE094618.D
 Acq On : 28 Oct 2017 12:12
 Operator : SJ/JU
 Sample : I5842-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AA3

Quant Time: Oct 30 02:57:42 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 30 02:53:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2056	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	11869	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	6736	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	14923	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	14897	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	16546	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	3113	0.16	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	7334	0.17	ng/ul	0.00

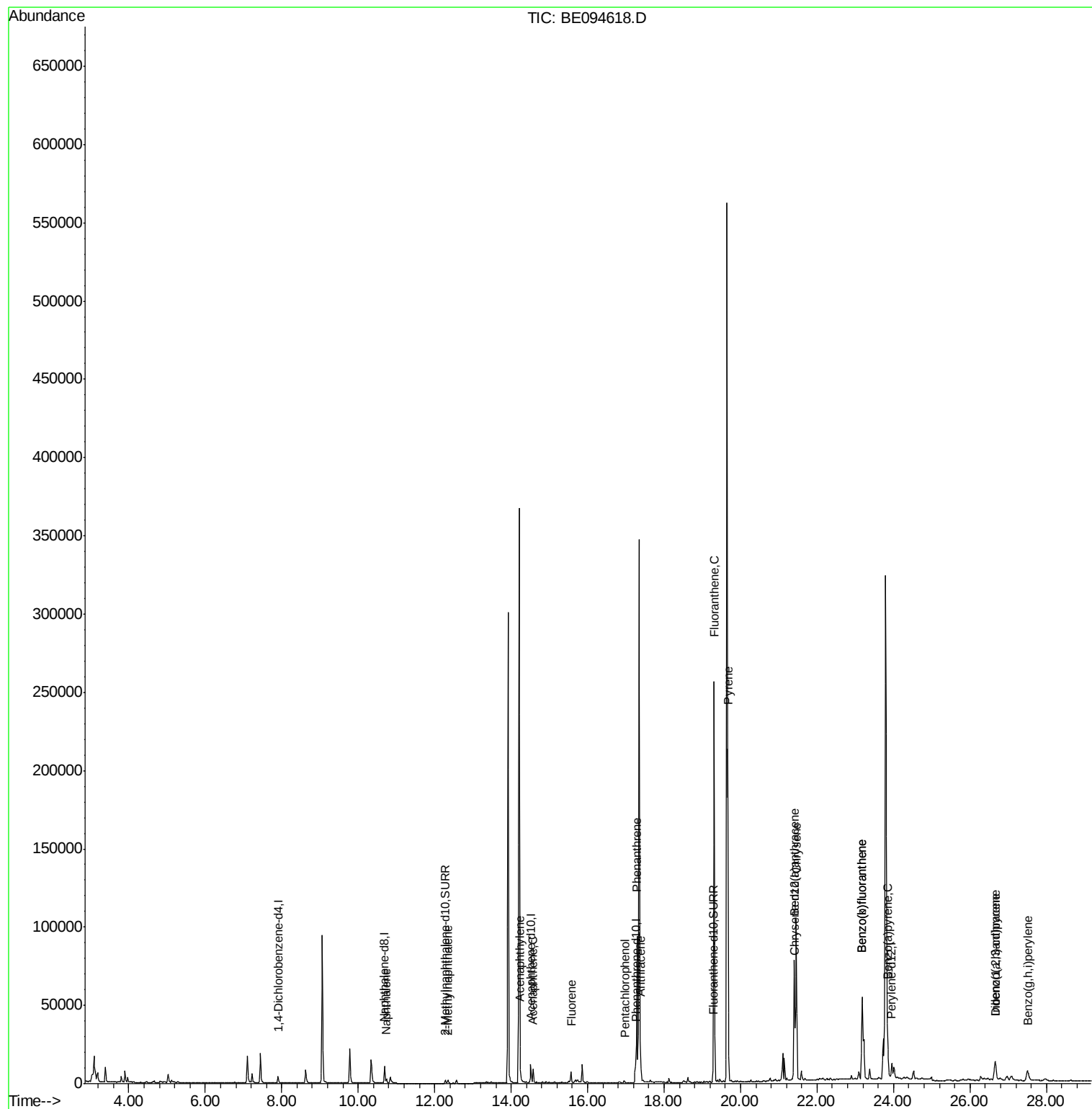
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	3596	0.12	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	2105	0.10	ng/ul	99
7) Acenaphthylene	14.24	152	3909	0.13	ng/ul	99
8) Acenaphthene	14.57	153	5548	0.25	ng/ul	95
9) Fluorene	15.57	166	4834	0.20	ng/ul	96
11) Pentachlorophenol	16.98	266	18	0.02	ng/ul#	1
12) Phenanthrene	17.29	178	102818	2.61	ng/ul#	91
13) Anthracene	17.38	178	19398	0.50	ng/ul#	90
15) Fluoranthene	19.31	202	286400	6.28	ng/ul	84
17) Pyrene	19.67	202	224150	4.87	ng/ul#	79
18) Benzo(a)anthracene	21.40	228	66341	1.56	ng/ul#	87
19) Chrysene	21.46	228	121782	2.77	ng/ul	99
21) Benzo(b)fluoranthene	23.18	252	127018	2.73	ng/ul	86
22) Benzo(k)fluoranthene	23.18	252	127018	2.55	ng/ul#	88
23) Benzo(a)pyrene	23.85	252	44384	0.95	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.66	276	25331	0.53	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.65	278	6811	0.17	ng/ul#	82
26) Benzo(g,h,i)perylene	27.50	276	19089	0.49	ng/ul	96

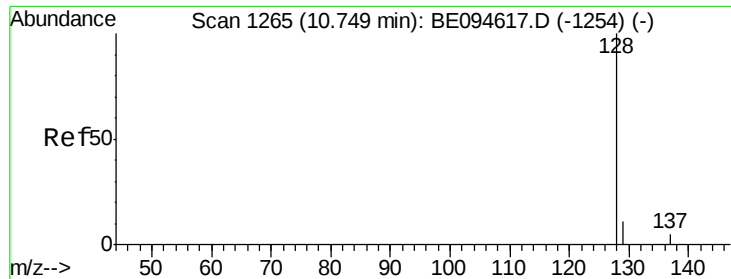
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.12 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094618.D

Acq: 28 Oct 2017 12:12

Instrument :

BNA_E

ClientSampleId :

C0AA3

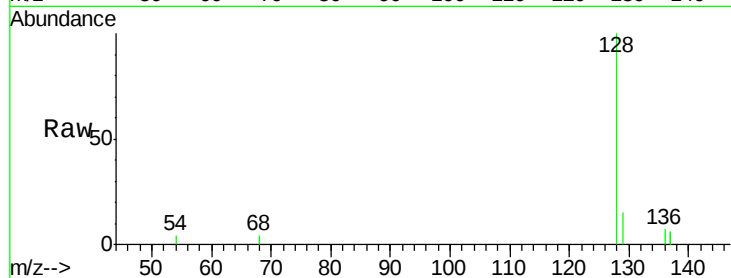
Tot Ion:128 Resp: 3596

Ion Ratio Lower Upper

128 100

129 14.8 11.3 16.9

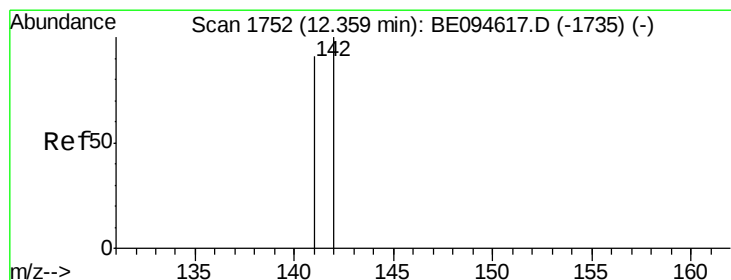
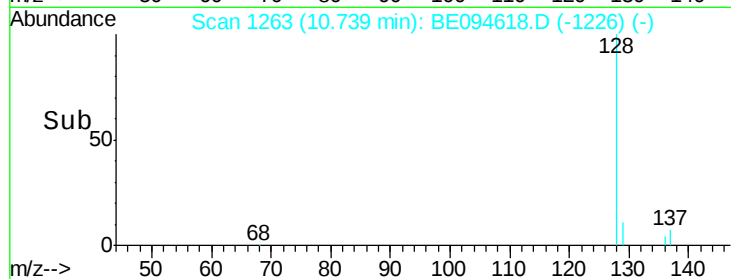
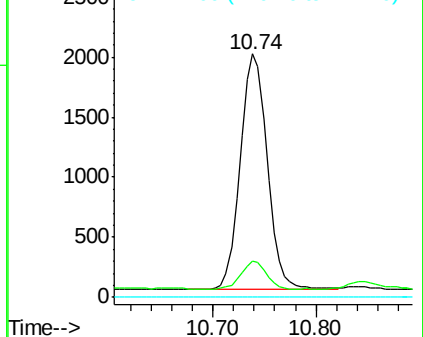
127 0.0 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 0.10 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BE094618.D

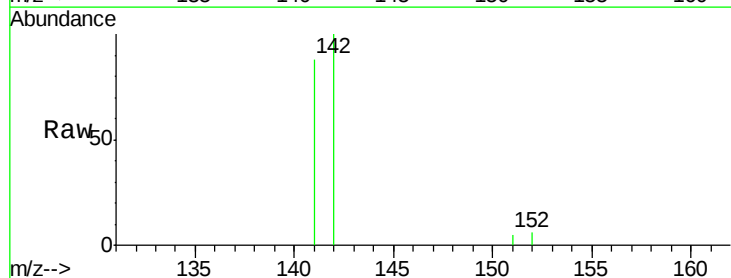
Acq: 28 Oct 2017 12:12

Tgt Ion:142 Resp: 2105

Ion Ratio Lower Upper

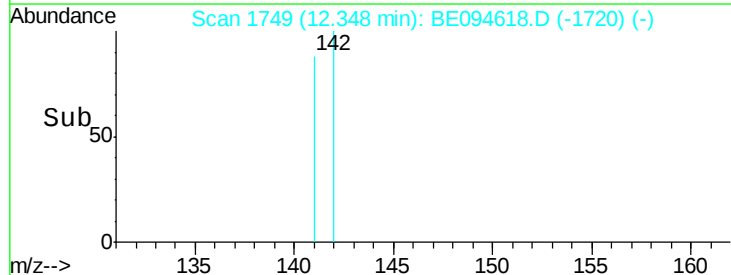
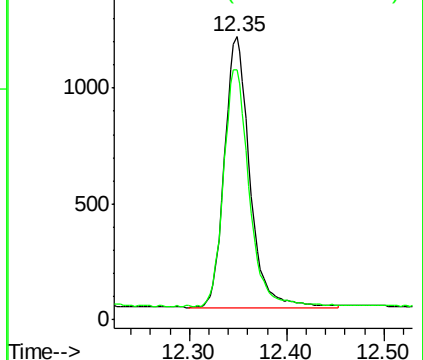
142 100

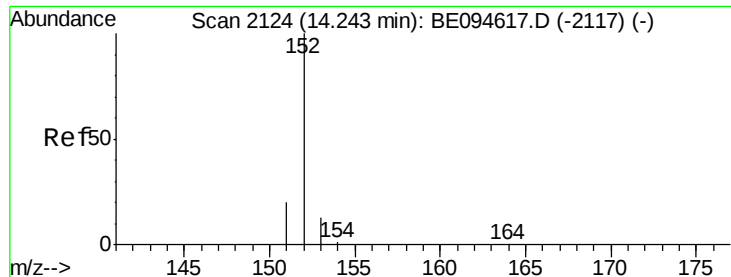
141 89.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.13 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.00 min

Lab File: BE094618.D

Acq: 28 Oct 2017 12:12

Instrument :

BNA_E

ClientSampleId :

C0AA3

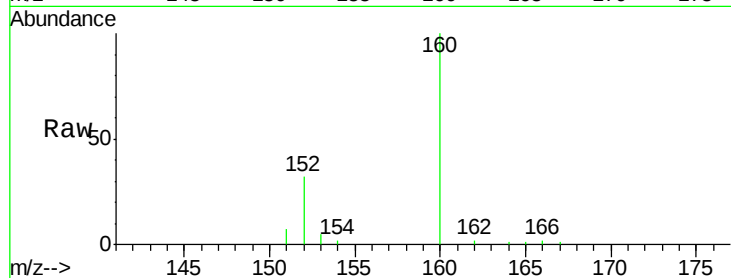
Tot Ion:152 Resp: 3909

Ion Ratio Lower Upper

152 100

151 21.7 17.1 25.7

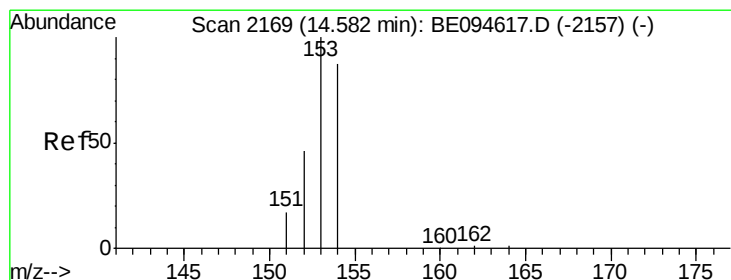
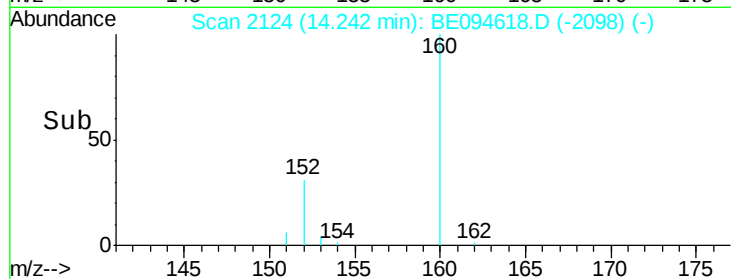
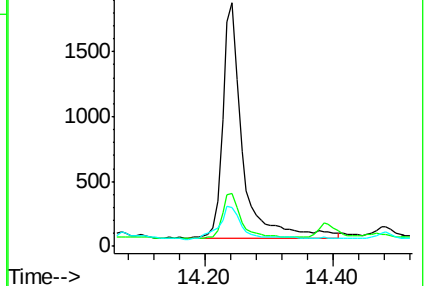
153 16.2 12.8 19.2



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: 0.25 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094618.D

Acq: 28 Oct 2017 12:12

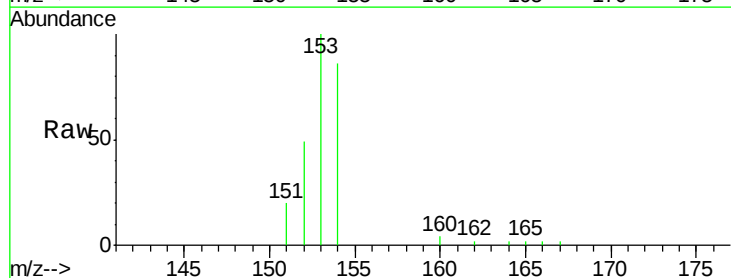
Tgt Ion:153 Resp: 5548

Ion Ratio Lower Upper

153 100

152 48.6 36.0 54.0

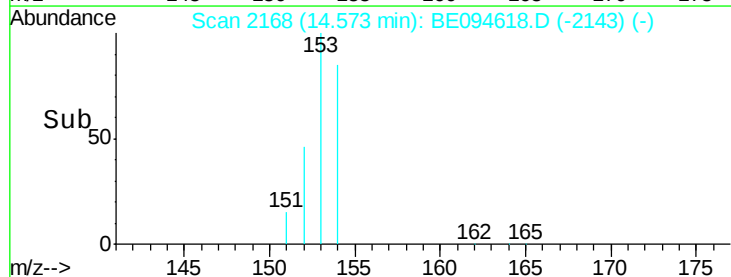
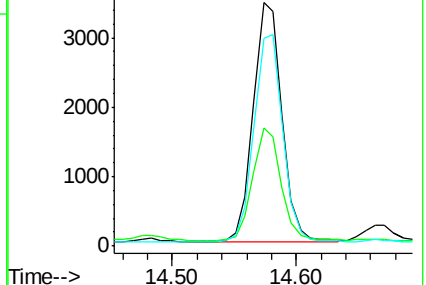
154 85.5 72.0 108.0

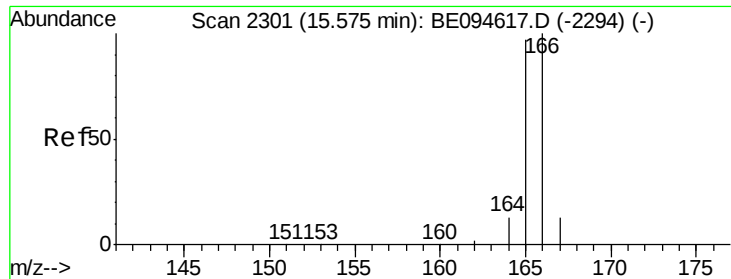


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.20 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094618.D

Acq: 28 Oct 2017 12:12

Instrument :

BNA_E

ClientSampleId :

C0AA3

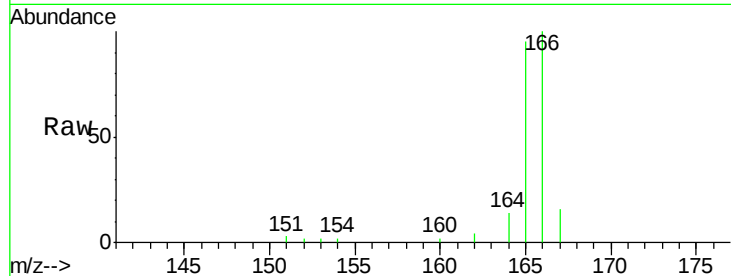
Tot Ion:166 Resp: 4834

Ion Ratio Lower Upper

166 100

165 95.3 73.4 110.2

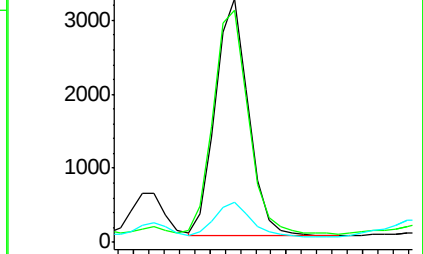
167 16.4 14.6 22.0



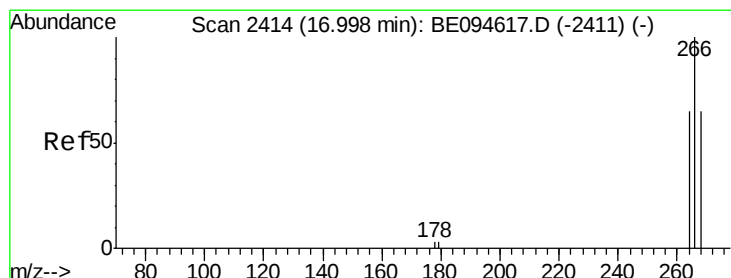
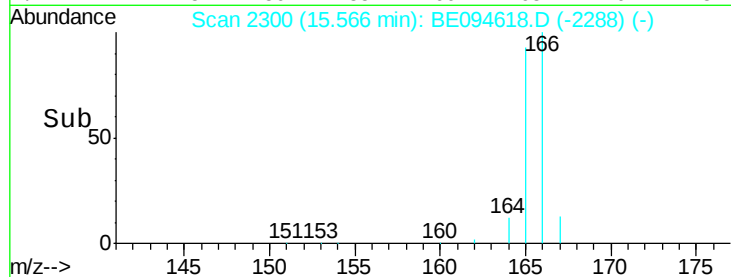
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#11

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.98 min Scan# 2413

Delta R.T. -0.02 min

Lab File: BE094618.D

Acq: 28 Oct 2017 12:12

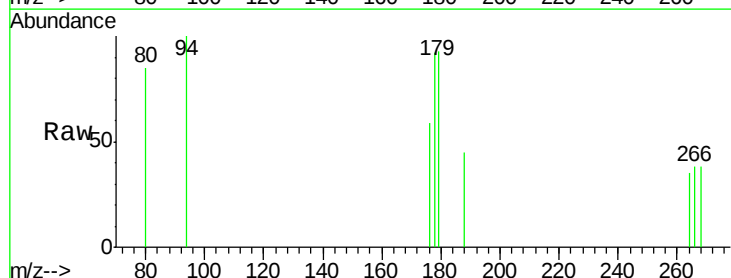
Tgt Ion:266 Resp: 18

Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

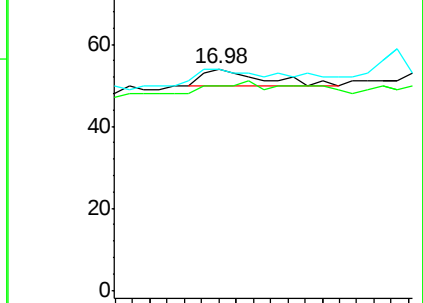
268 166.7 49.8 74.8#



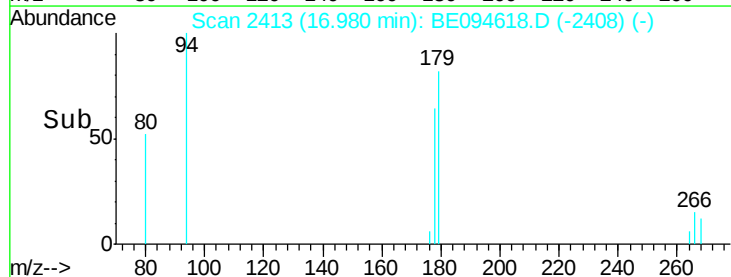
Abundance Ion 266.00 (265.70 to 266.70): E

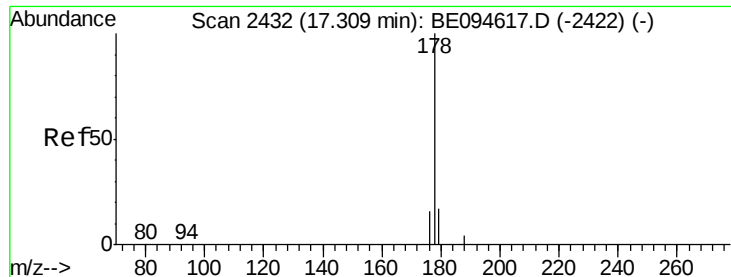
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#12

Phenanthrene

Concen: 2.61 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094618.D

Acq: 28 Oct 2017 12:12

Instrument :

BNA_E

ClientSampleId :

C0AA3

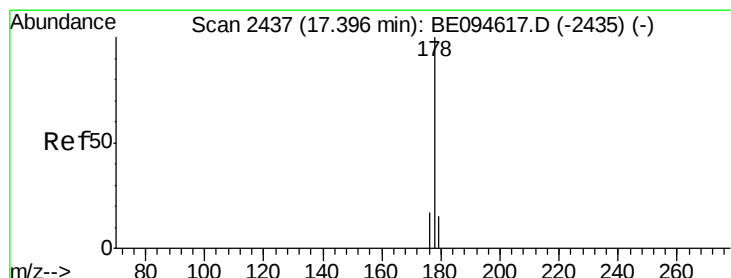
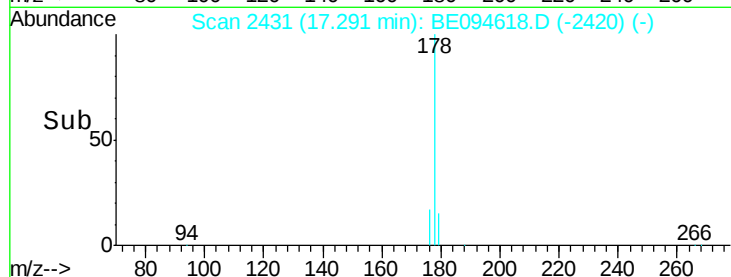
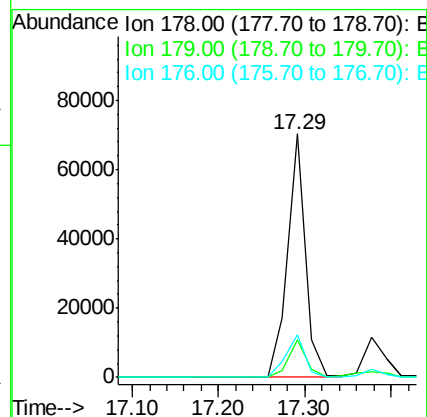
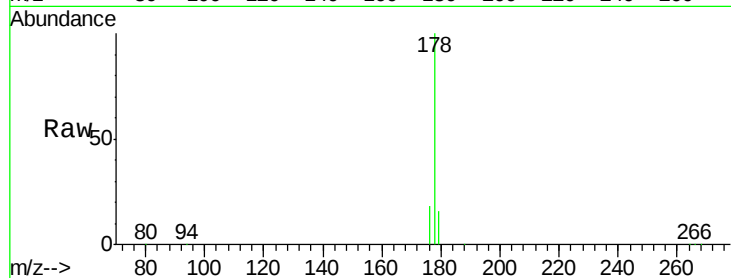
Tot Ion:178 Resp: 102818

Ion Ratio Lower Upper

178 100

179 15.6 18.4 27.6#

176 17.6 13.6 20.4



#13

Anthracene

Concen: 0.50 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094618.D

Acq: 28 Oct 2017 12:12

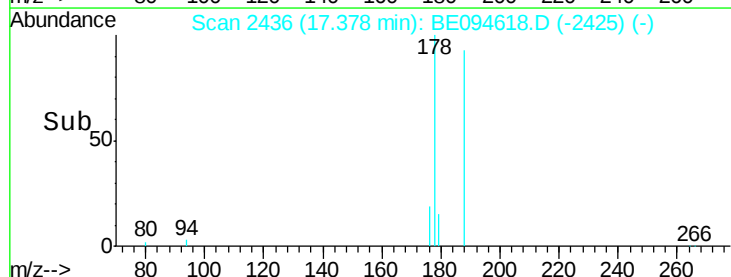
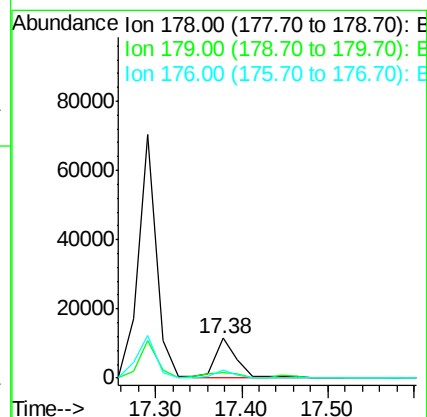
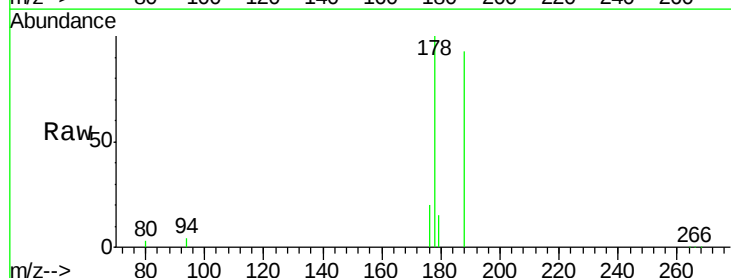
Tgt Ion:178 Resp: 19398

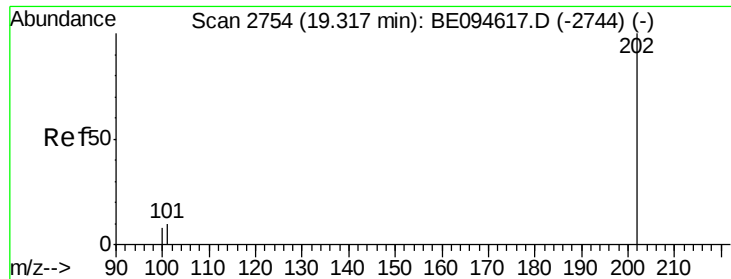
Ion Ratio Lower Upper

178 100

179 15.5 18.1 27.1#

176 19.8 14.7 22.1





#15

Fluoranthene

Concen: 6.28 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094618.D

Acq: 28 Oct 2017 12:12

Instrument :

BNA_E

ClientSampleId :

C0AA3

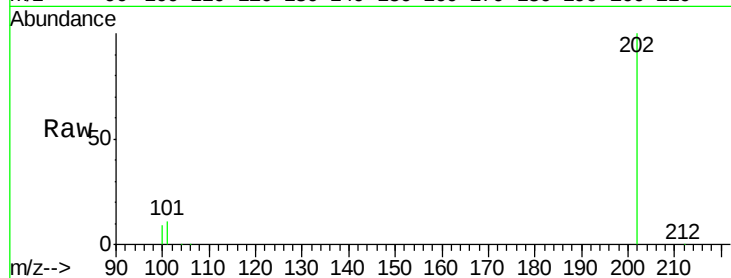
Tot Ion:202 Resp: 286400

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.3

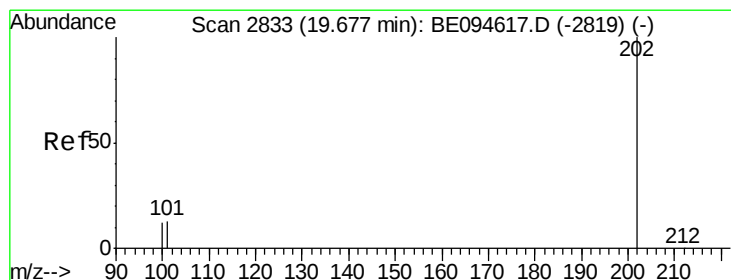
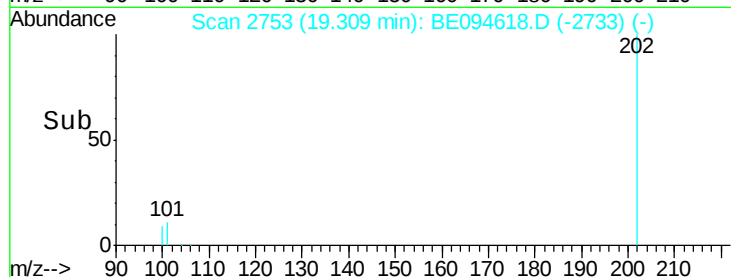
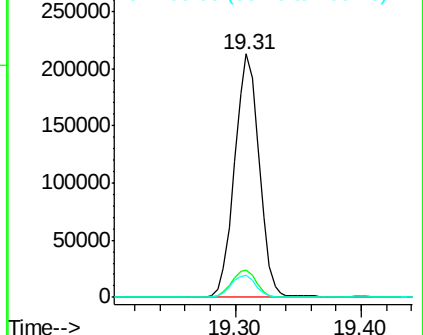
100 9.0 0.0 39.5



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): BE



#17

Pyrene

Concen: 4.87 ng/ul

RT: 19.67 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BE094618.D

Acq: 28 Oct 2017 12:12

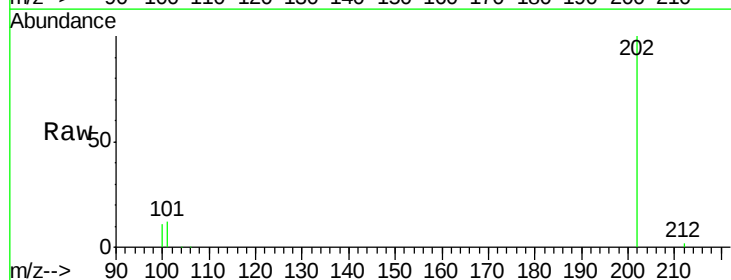
Tgt Ion:202 Resp: 224150

Ion Ratio Lower Upper

202 100

101 12.3 18.2 27.4#

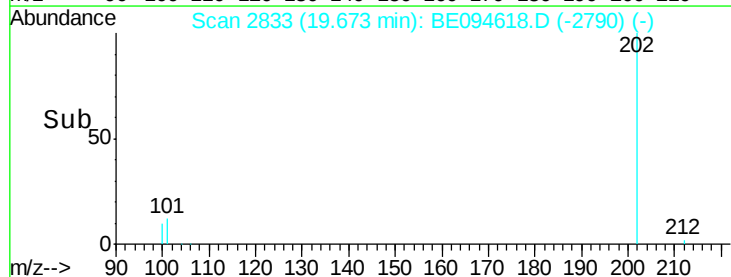
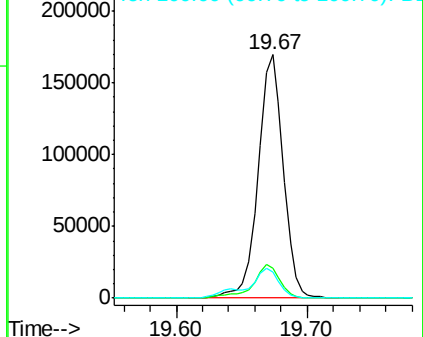
100 10.5 15.6 23.4#

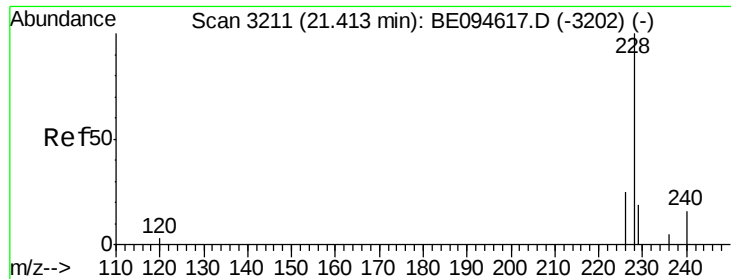


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

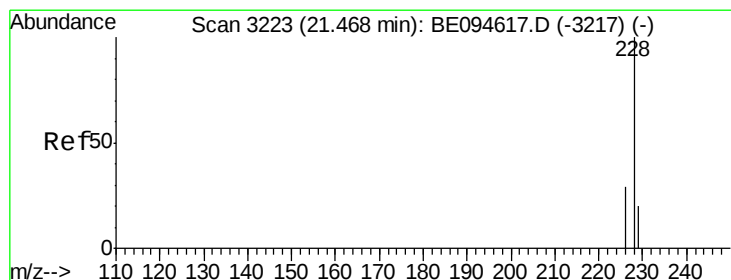
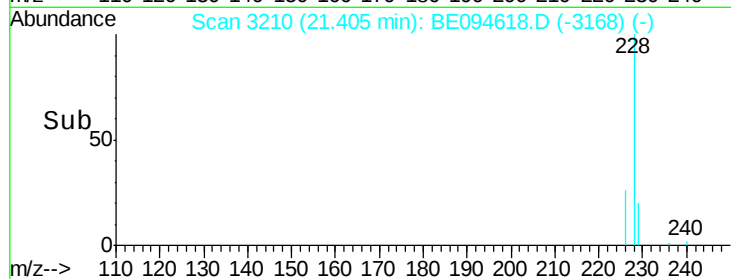
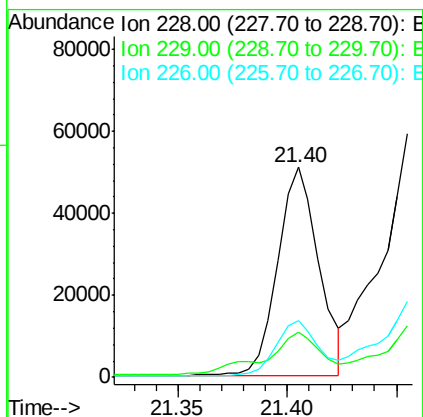
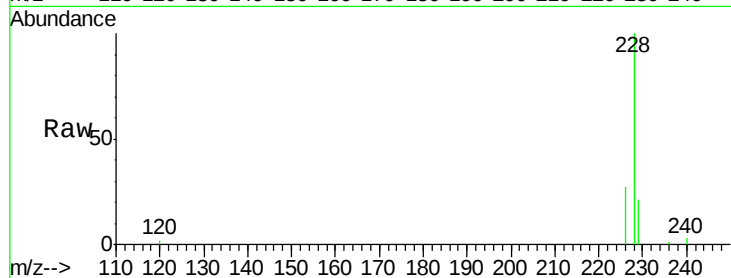




#18
Benzo(a)anthracene
Concen: 1.56 ng/ul
RT: 21.40 min Scan# 3210
Delta R.T. -0.01 min
Lab File: BE094618.D
Acq: 28 Oct 2017 12:12

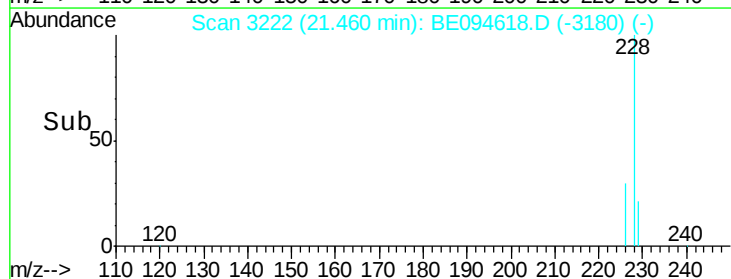
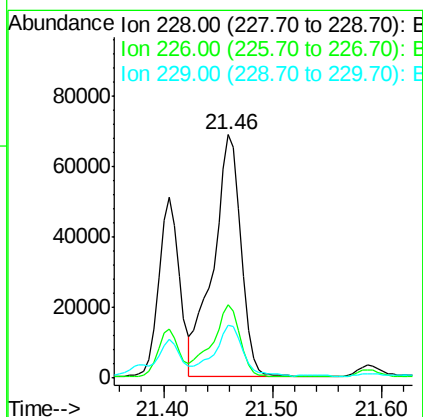
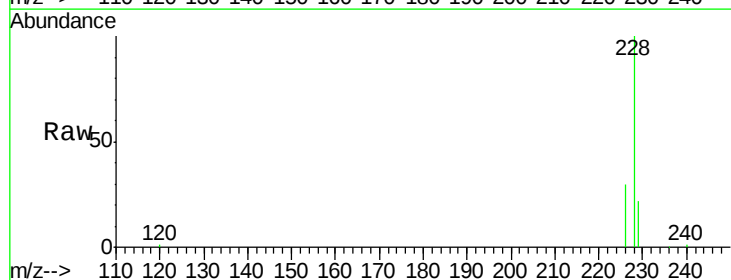
Instrument :
BNA_E
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C0AA3

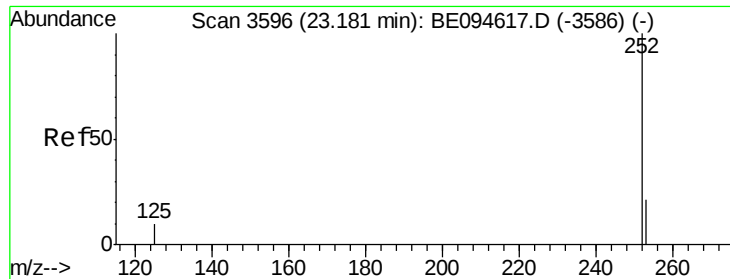
Tot Ion:228 Resp: 66341
Ion Ratio Lower Upper
228 100
229 21.3 22.8 34.2#
226 26.9 17.0 25.6#



#19
Chrysene
Concen: 2.77 ng/ul
RT: 21.46 min Scan# 3222
Delta R.T. -0.01 min
Lab File: BE094618.D
Acq: 28 Oct 2017 12:12

Tgt Ion:228 Resp: 121782
Ion Ratio Lower Upper
228 100
226 30.1 23.4 35.0
229 21.6 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 2.73 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. 0.00 min

Lab File: BE094618.D

Acq: 28 Oct 2017 12:12

Instrument :

BNA_E

ClientSampleId :

C0AA3

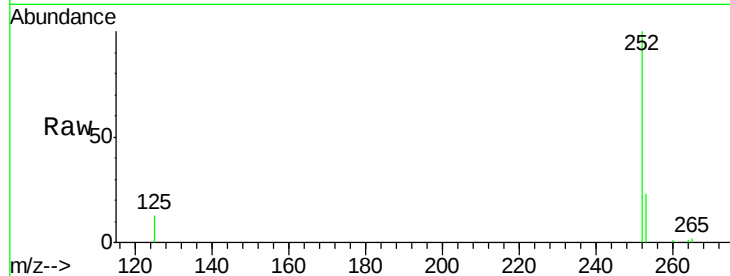
Tot Ion:252 Resp: 127018

Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

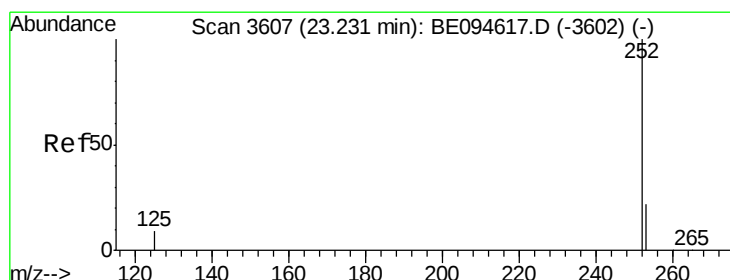
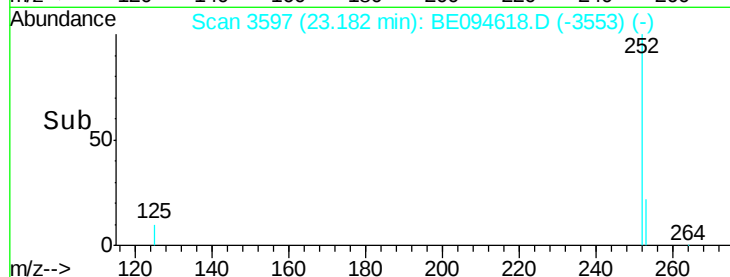
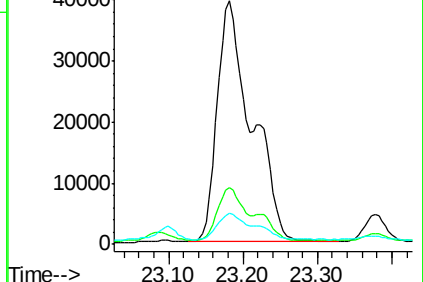
125 12.6 0.0 35.0



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: 2.55 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. -0.05 min

Lab File: BE094618.D

Acq: 28 Oct 2017 12:12

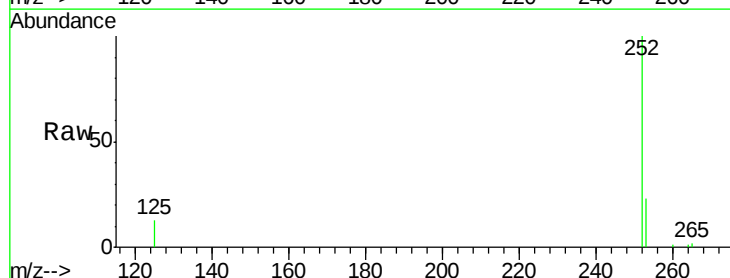
Tgt Ion:252 Resp: 127018

Ion Ratio Lower Upper

252 100

253 23.3 24.5 36.7#

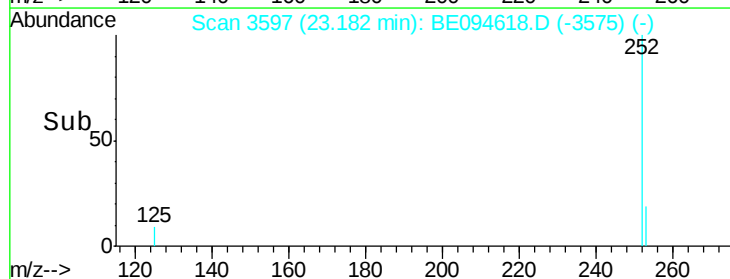
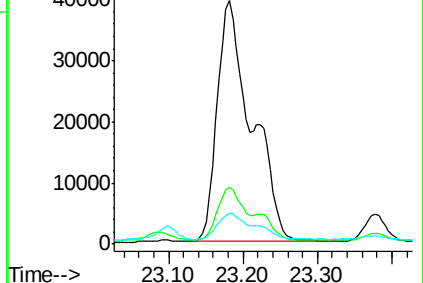
125 12.6 13.7 20.5#

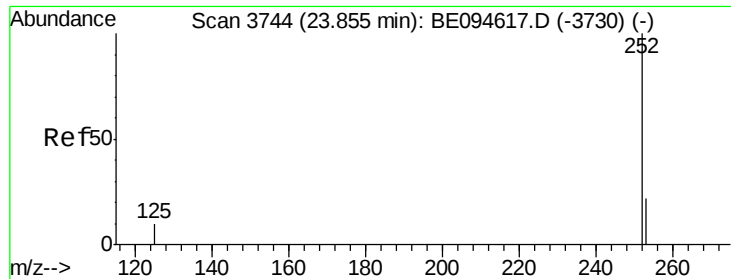


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.95 ng/ul

RT: 23.85 min Scan# 3743

Delta R.T. -0.01 min

Lab File: BE094618.D

Acq: 28 Oct 2017 12:12

Instrument :

BNA_E

ClientSampled :

C0AA3

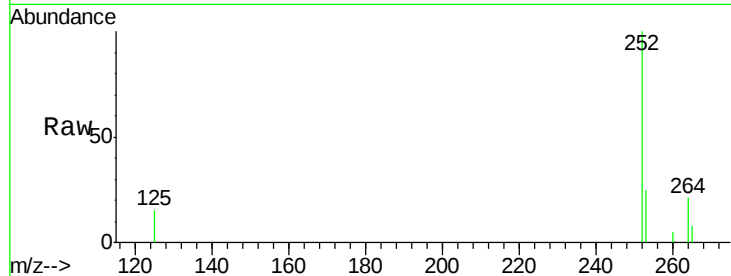
Tot Ion:252 Resp: 44384

Ion Ratio Lower Upper

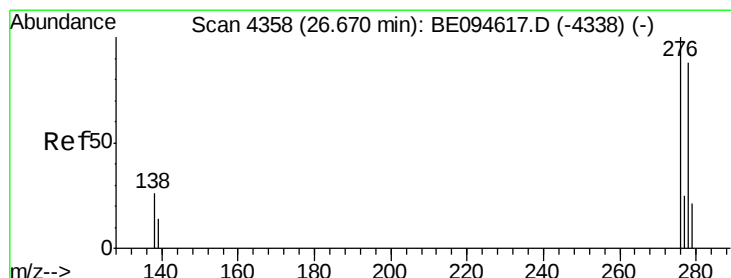
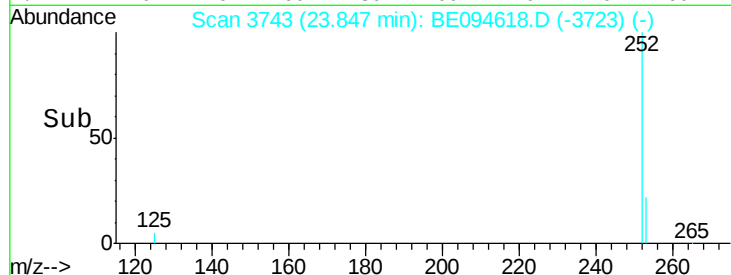
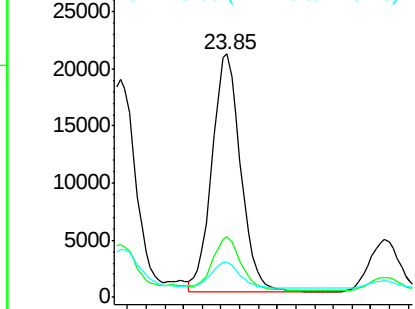
252 100

253 24.7 28.5 42.7#

125 14.5 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: 0.53 ng/ul

RT: 26.66 min Scan# 4357

Delta R.T. -0.01 min

Lab File: BE094618.D

Acq: 28 Oct 2017 12:12

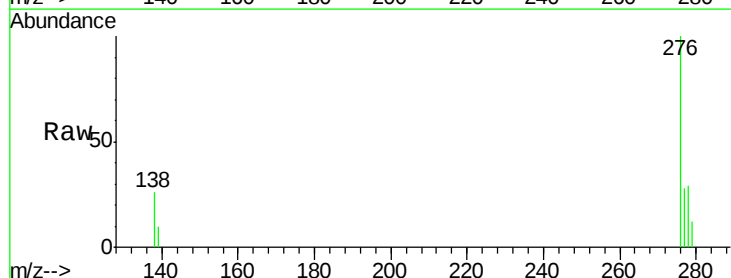
Tgt Ion:276 Resp: 25331

Ion Ratio Lower Upper

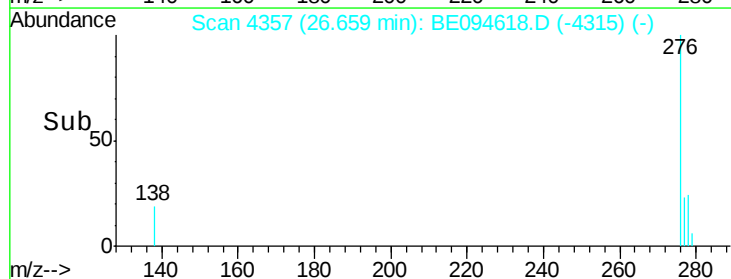
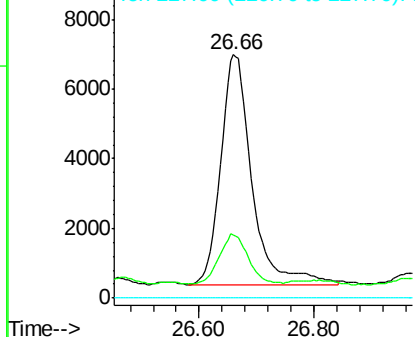
276 100

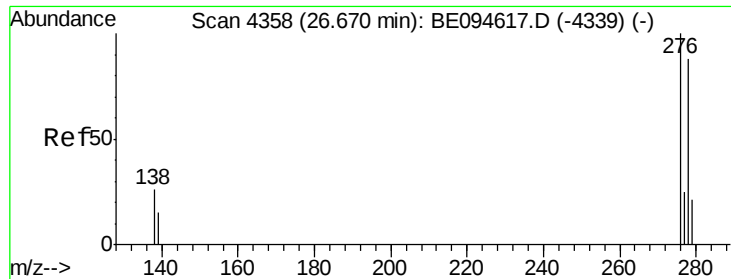
138 19.9 28.0 42.0#

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: 0.17 ng/ul

RT: 26.65 min Scan# 4356

Delta R.T. -0.01 min

Lab File: BE094618.D

Acq: 28 Oct 2017 12:12

Instrument :

BNA_E

ClientSampleId :

C0AA3

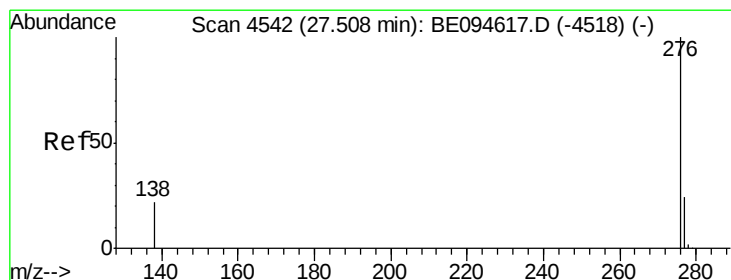
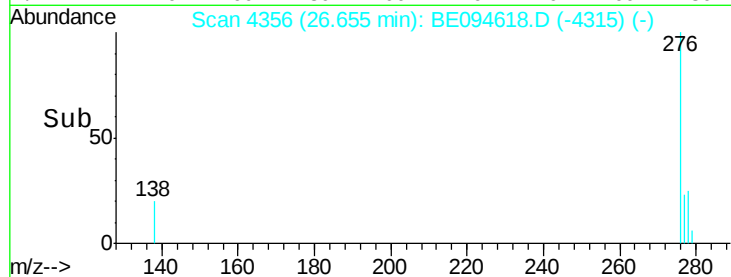
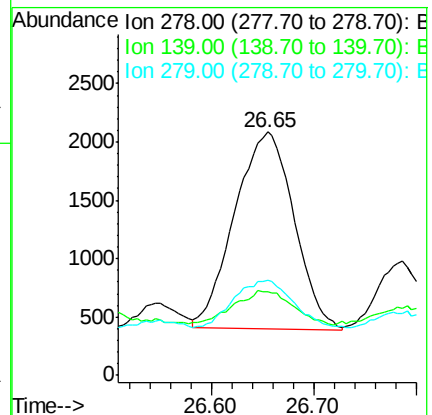
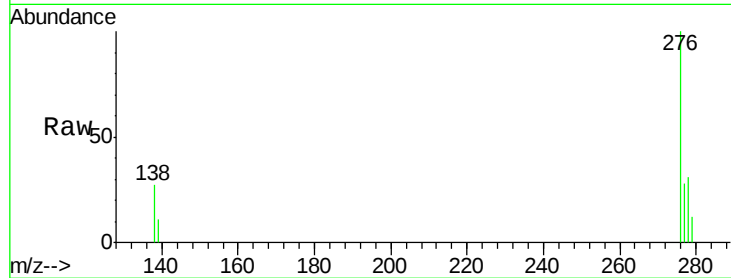
Tot Ion:278 Resp: 6811

Ion Ratio Lower Upper

278 100

139 34.5 17.4 26.0#

279 38.9 25.9 38.9



#26

Benzo(g,h,i)perylene

Concen: 0.49 ng/ul

RT: 27.50 min Scan# 4542

Delta R.T. -0.01 min

Lab File: BE094618.D

Acq: 28 Oct 2017 12:12

Tgt Ion:276 Resp: 19089

Ion Ratio Lower Upper

276 100

138 27.8 21.8 32.8

277 29.7 20.5 30.7

