

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094577.D
 Acq On : 27 Oct 2017 00:10
 Operator : SJ/JU
 Sample : I5873-03 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 07:43:45 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 Oct 27 04:05:19 2017
 Response via : Initial Calibration

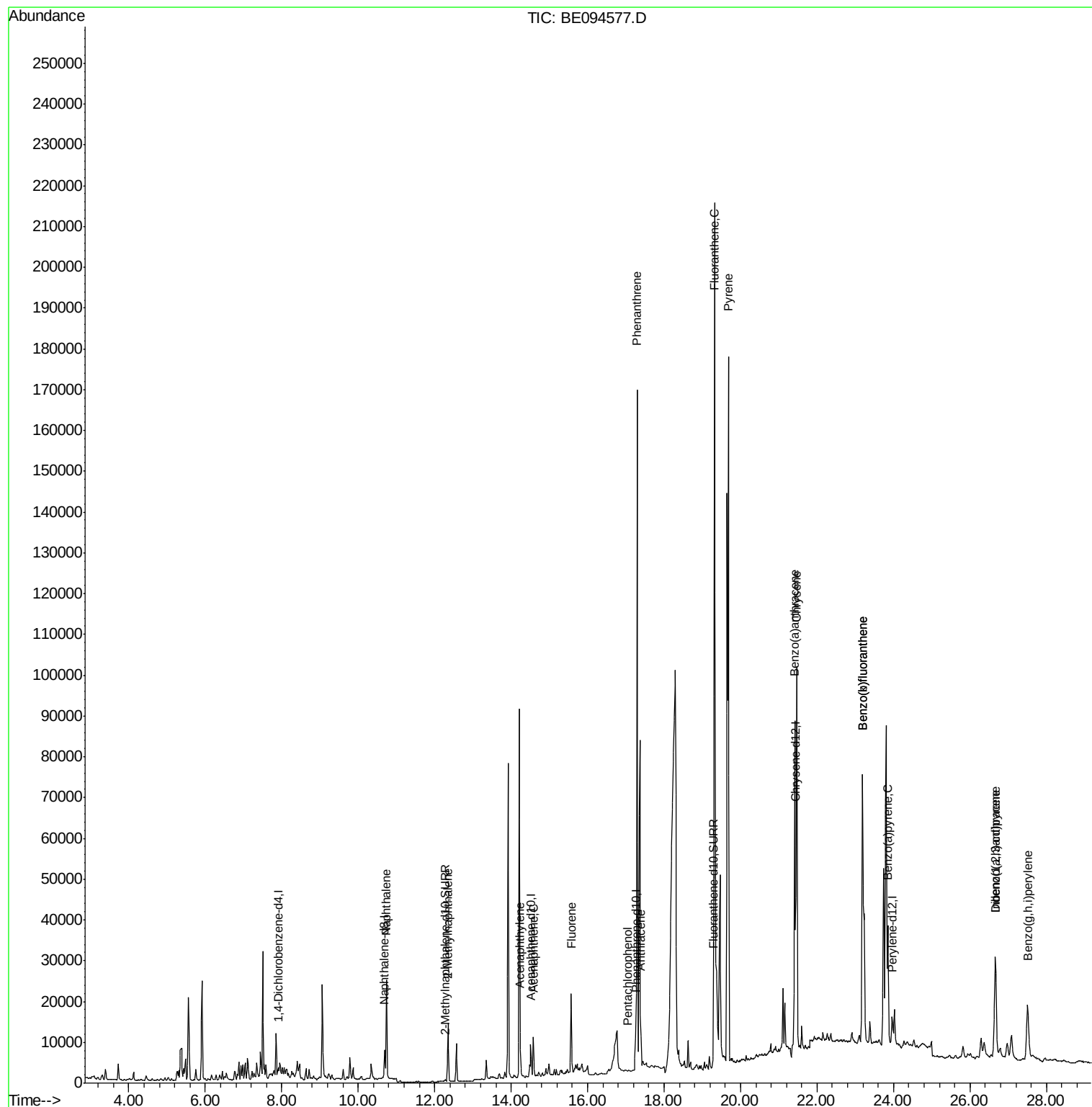
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1431	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	7987	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4803	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10100	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	9983	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	11220	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	856	0.07	ng/ul	-0.02
14) Fluoranthene-d10	19.29	212	1675	0.06	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	37969	1.944	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	12717	0.931	ng/ul	98
7) Acenaphthylene	14.24	152	7045	0.324	ng/ul	92
8) Acenaphthene	14.58	153	6221	0.398	ng/ul	96
9) Fluorene	15.57	166	12722	0.726	ng/ul	91
11) Pentachlorophenol	17.05	266	31	0.061	ng/ul#	1
12) Phenanthrene	17.29	178	188306	7.059	ng/ul#	88
13) Anthracene	17.38	178	13802	0.524	ng/ul#	94
15) Fluoranthene	19.32	202	222478	7.213	ng/ul	83
17) Pyrene	19.68	202	196769	6.376	ng/ul#	83
18) Benzo(a)anthracene	21.42	228	79499	2.786	ng/ul#	88
19) Chrysene	21.47	228	105859	3.589	ng/ul	97
21) Benzo(b)fluoranthene	23.19	252	159096	5.041	ng/ul	92
22) Benzo(k)fluoranthene	23.19	252	159096	4.704	ng/ul	93
23) Benzo(a)pyrene	23.85	252	46914	1.487	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	26.66	276	49403	1.513	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.66	278	13247	0.482	ng/ul#	69
26) Benzo(g,h,i)perylene	27.51	276	37950	1.448	ng/ul#	93

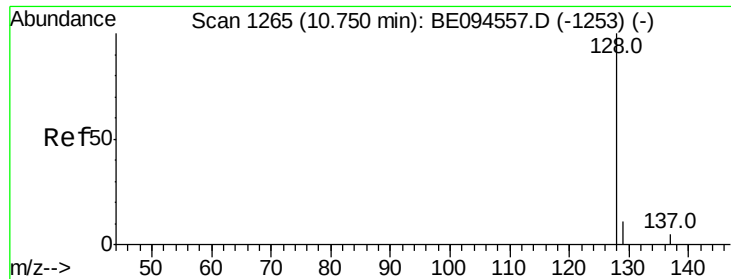
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.944 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094577.D

Acq: 27 Oct 2017 00:10

Instrument :

BNA_E

ClientSampleId :

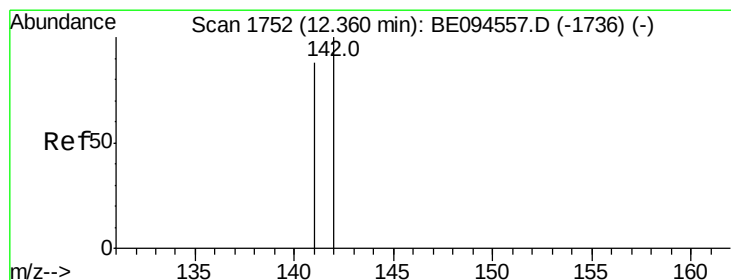
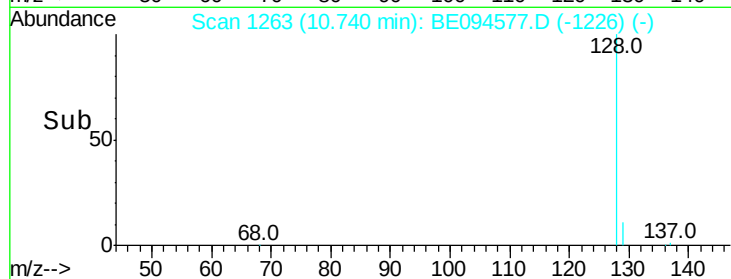
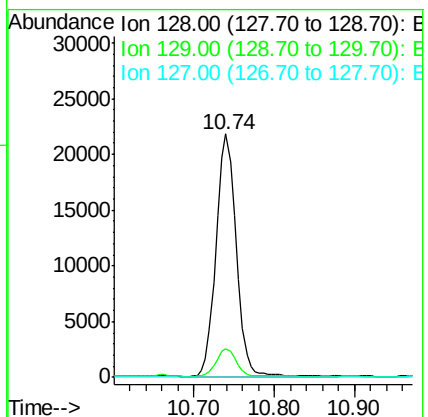
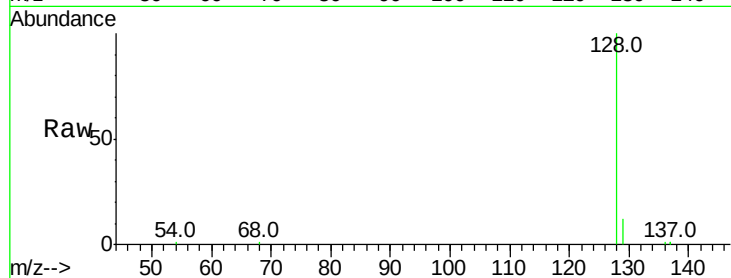
Tot Ion:128 Resp: 37969

Ion Ratio Lower Upper

128 100

129 11.7 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.931 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094577.D

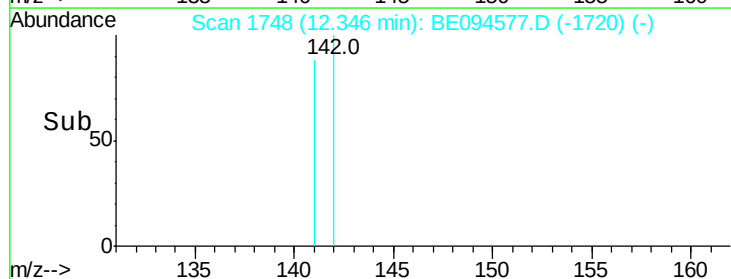
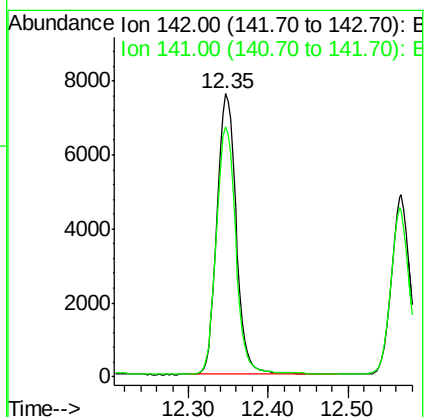
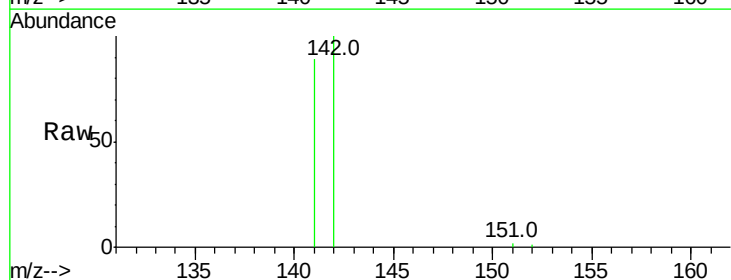
Acq: 27 Oct 2017 00:10

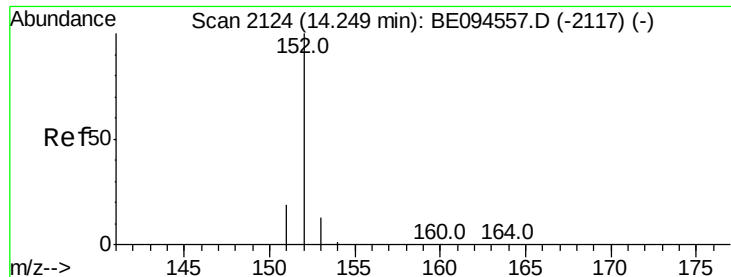
Tgt Ion:142 Resp: 12717

Ion Ratio Lower Upper

142 100

141 88.4 72.6 108.8





#7

Acenaphthylene

Concen: 0.324 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094577.D

Acq: 27 Oct 2017 00:10

Instrument :

BNA_E

ClientSampleId :

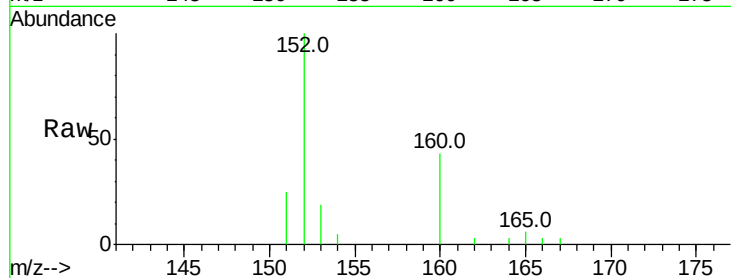
Tot Ion:152 Resp: 7045

Ion Ratio Lower Upper

152 100

151 25.2 17.1 25.7

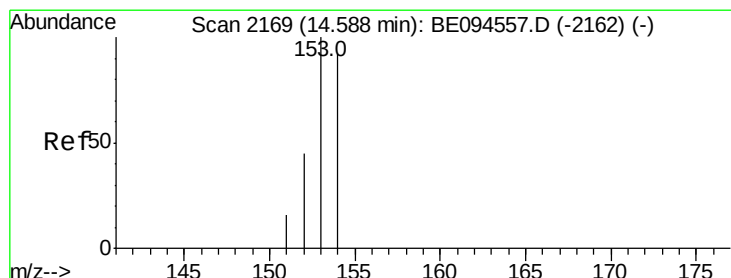
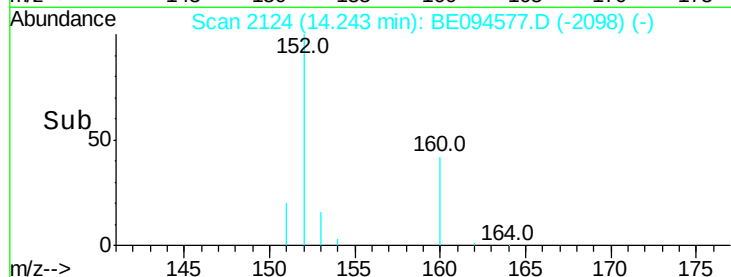
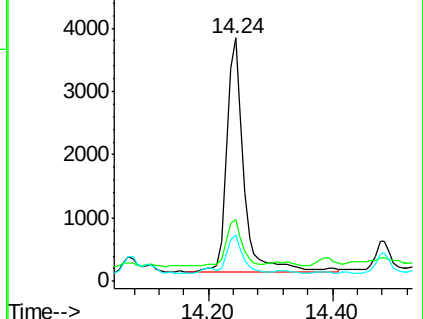
153 19.0 12.8 19.2



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: 0.398 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094577.D

Acq: 27 Oct 2017 00:10

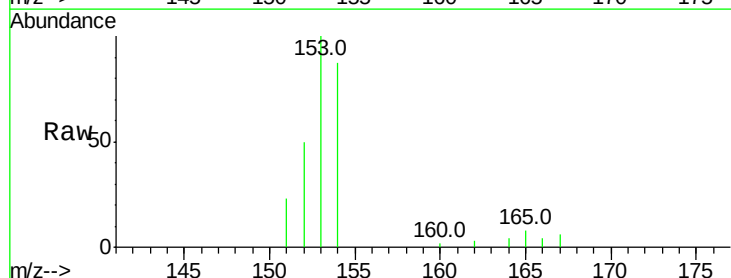
Tgt Ion:153 Resp: 6221

Ion Ratio Lower Upper

153 100

152 49.8 36.0 54.0

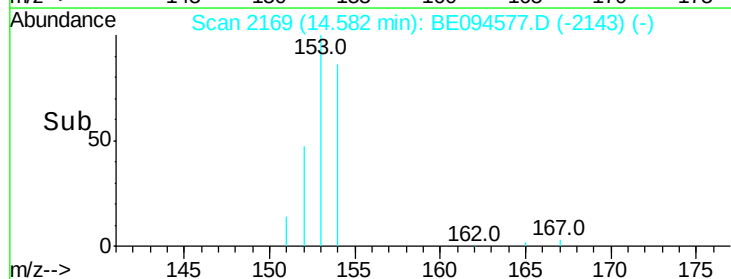
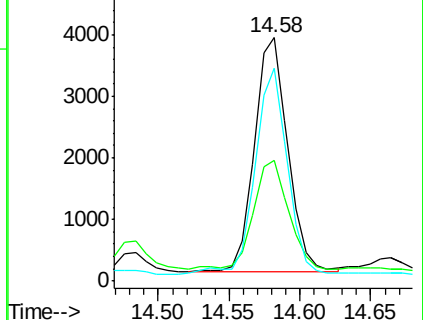
154 87.3 72.0 108.0

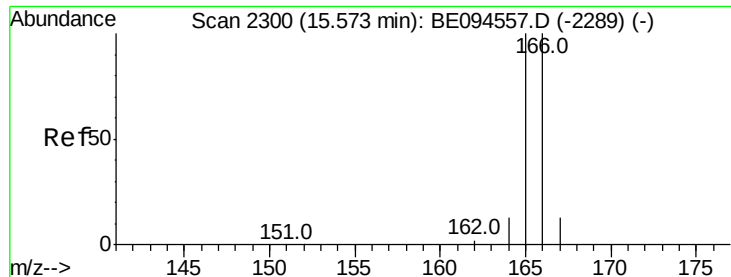


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.726 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094577.D

Acq: 27 Oct 2017 00:10

Instrument :

BNA_E

ClientSampleId :

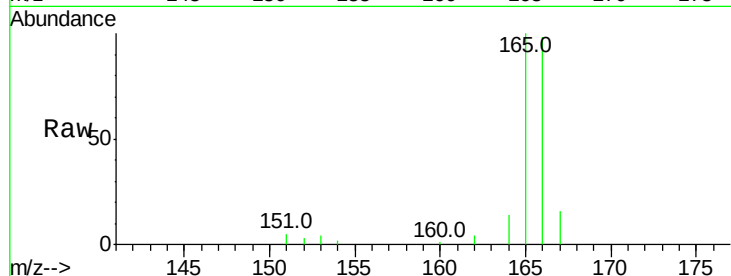
Tot Ion:166 Resp: 12722

Ion Ratio Lower Upper

166 100

165 101.6 73.4 110.2

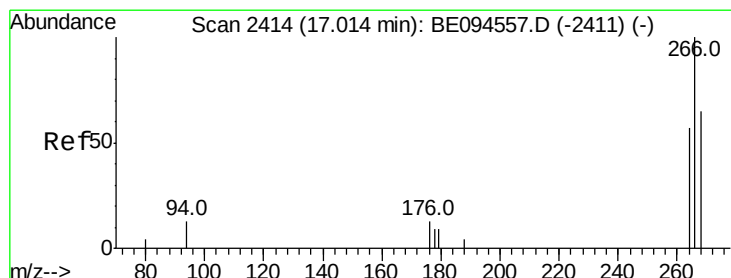
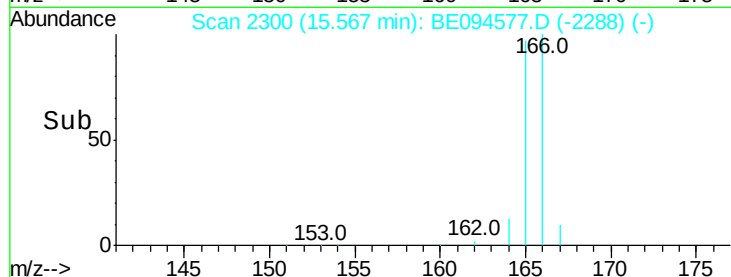
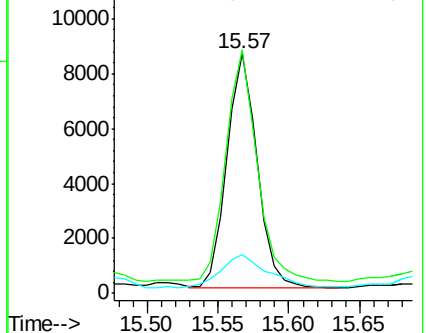
167 16.2 14.6 22.0



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



#11

Pentachlorophenol

Concen: 0.061 ng/ul

RT: 17.05 min Scan# 2417

Delta R.T. 0.04 min

Lab File: BE094577.D

Acq: 27 Oct 2017 00:10

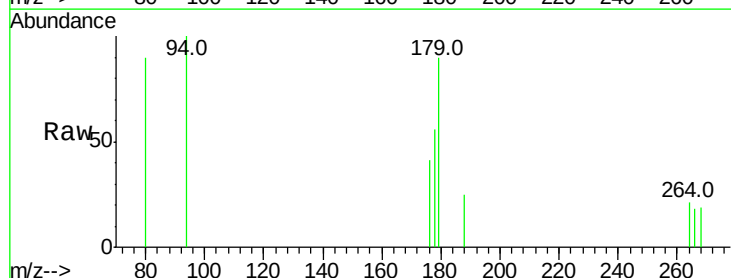
Tgt Ion:266 Resp: 31

Ion Ratio Lower Upper

266 100

264 335.5 47.9 71.9#

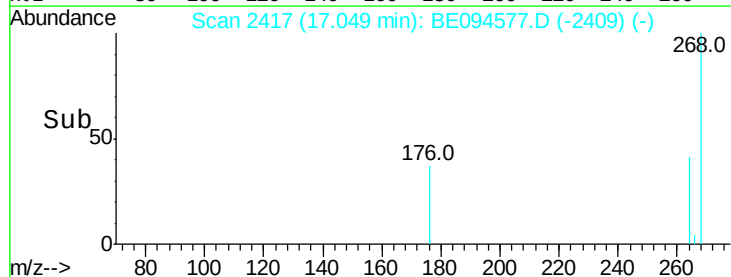
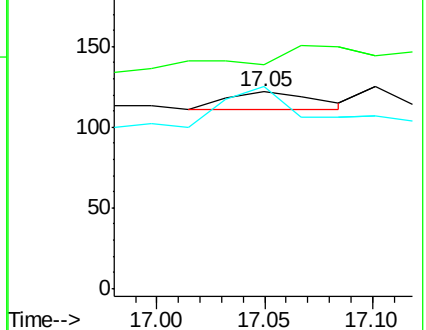
268 229.0 49.8 74.8#

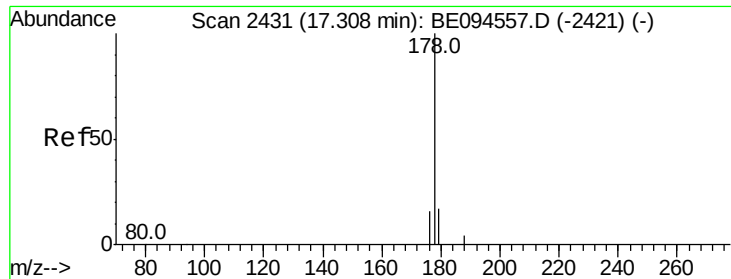


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 7.059 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094577.D

Acq: 27 Oct 2017 00:10

Instrument :

BNA_E

ClientSampleId :

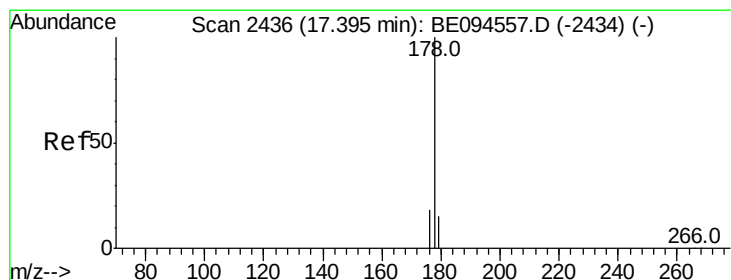
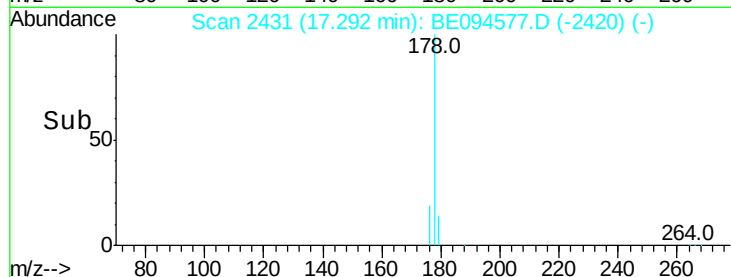
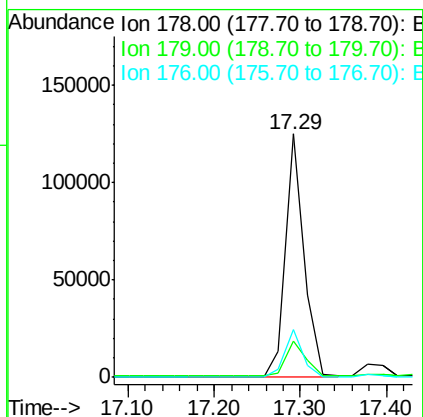
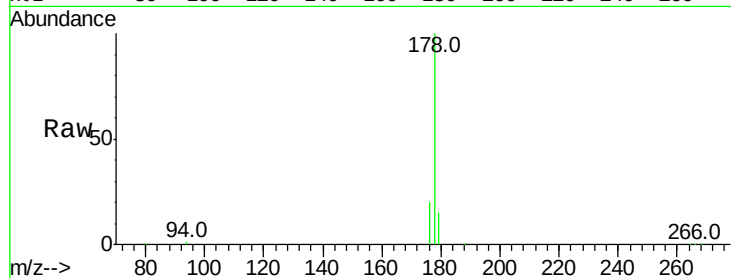
Tot Ion:178 Resp: 188306

Ion Ratio Lower Upper

178 100

179 14.8 18.4 27.6#

176 19.6 13.6 20.4



#13

Anthracene

Concen: 0.524 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094577.D

Acq: 27 Oct 2017 00:10

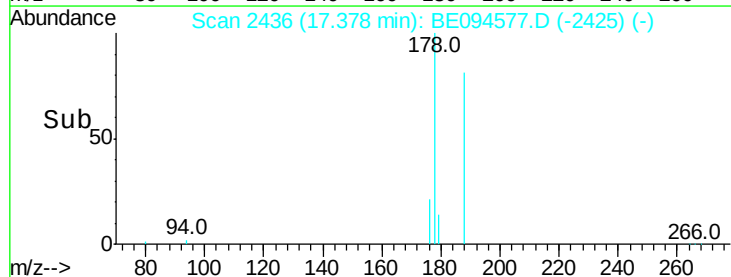
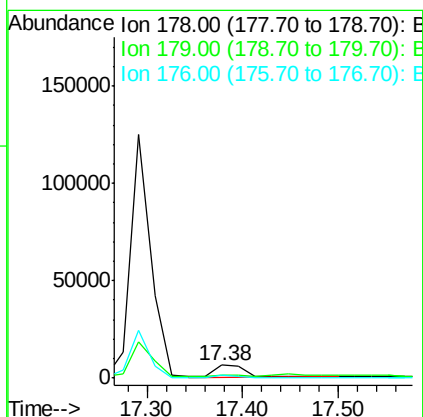
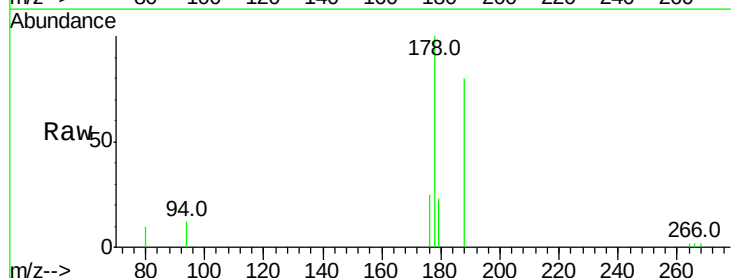
Tgt Ion:178 Resp: 13802

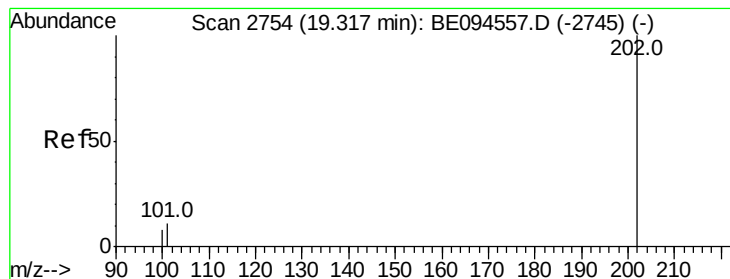
Ion Ratio Lower Upper

178 100

179 22.7 18.1 27.1

176 24.5 14.7 22.1#





#15

Fluoranthene

Concen: 7.213 ng/ul

RT: 19.32 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE094577.D

Acq: 27 Oct 2017 00:10

Instrument :

BNA_E

ClientSampleId :

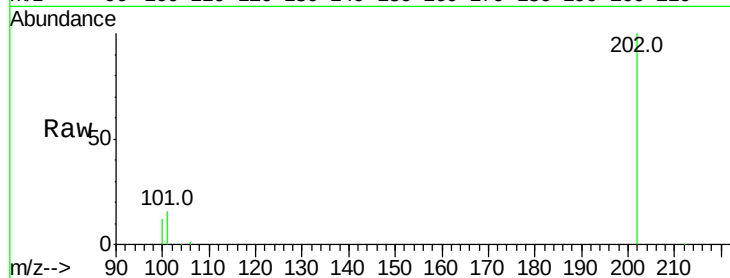
Tot Ion:202 Resp: 222478

Ion Ratio Lower Upper

202 100

101 16.4 0.0 30.3

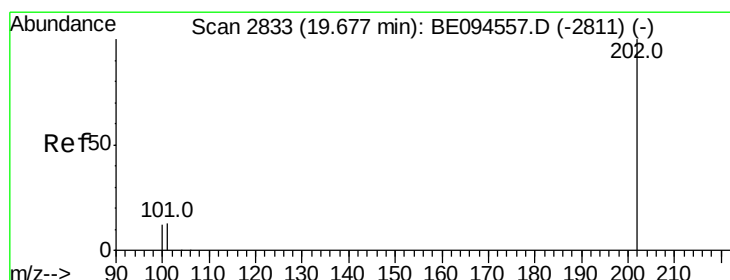
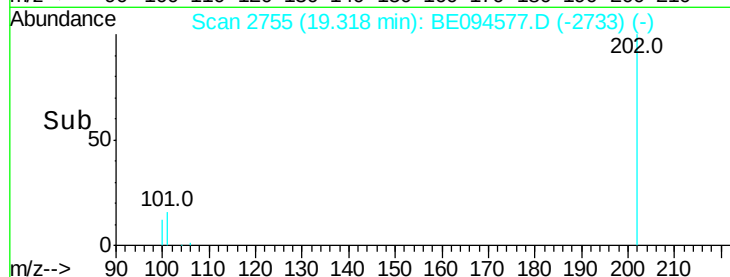
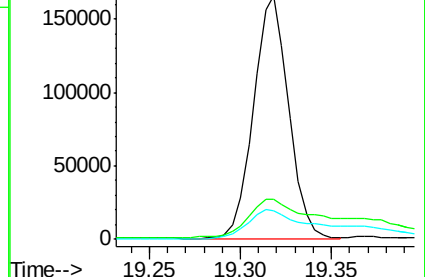
100 11.9 0.0 39.5



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: 6.376 ng/ul

RT: 19.68 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BE094577.D

Acq: 27 Oct 2017 00:10

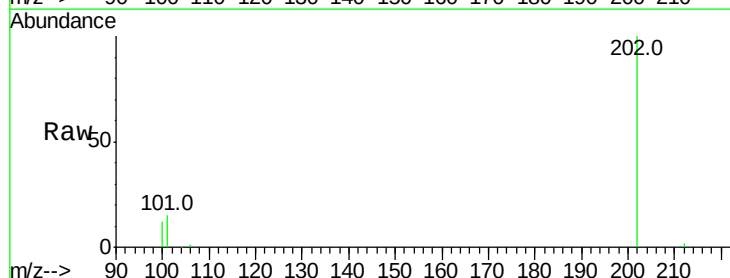
Tgt Ion:202 Resp: 196769

Ion Ratio Lower Upper

202 100

101 14.5 18.2 27.4#

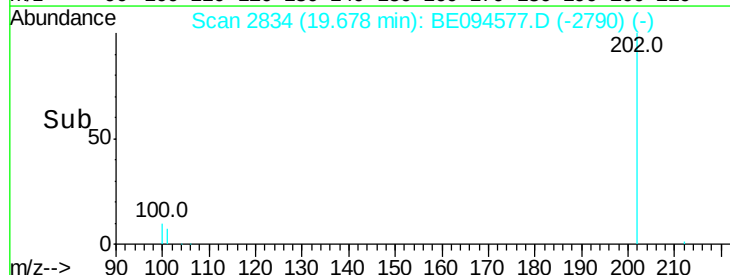
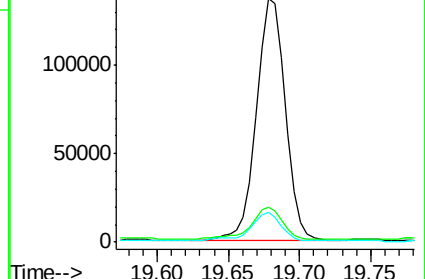
100 12.0 15.6 23.4#

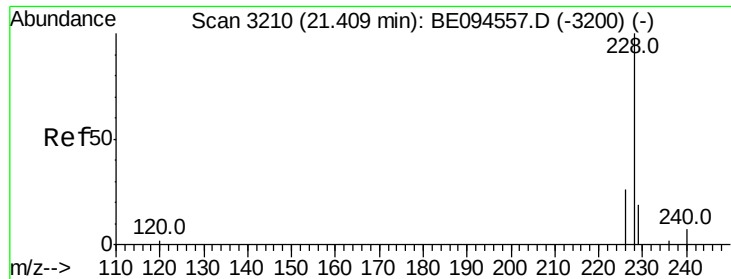


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

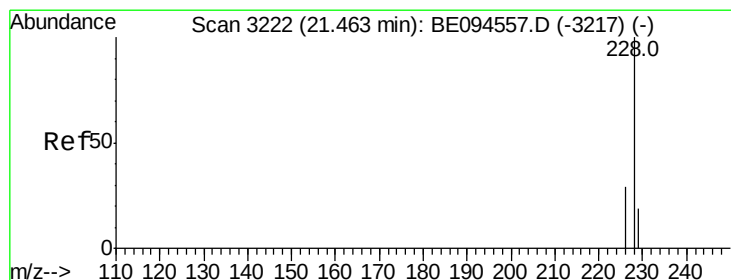
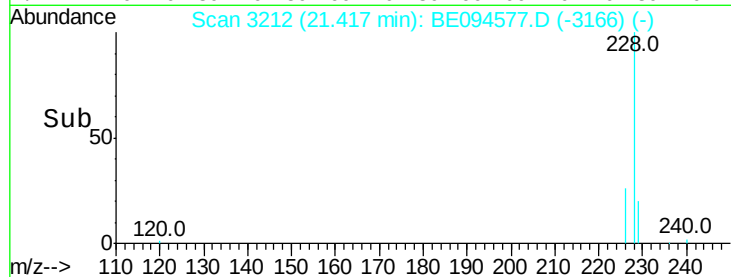
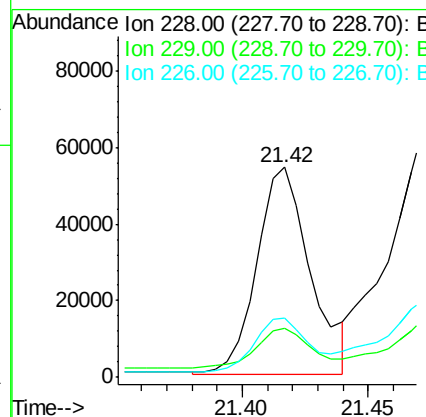
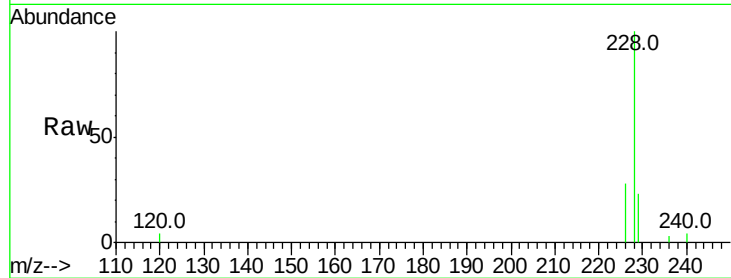




#18
Benzo(a)anthracene
Concen: 2.786 ng/ul
RT: 21.42 min Scan# 3212
Delta R.T. 0.01 min
Lab File: BE094577.D
Acq: 27 Oct 2017 00:10

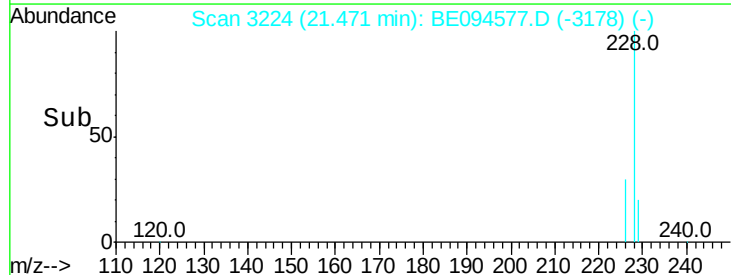
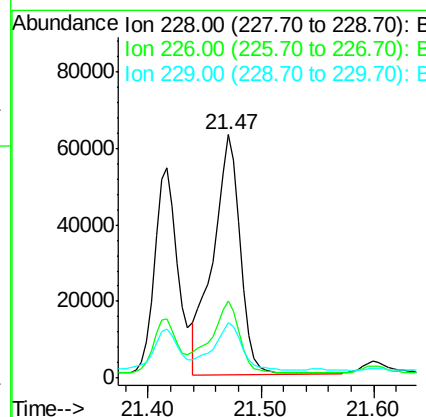
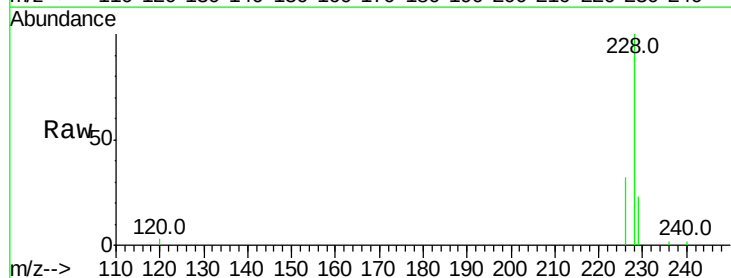
Instrument :
BNA_E
ClientSampleId :

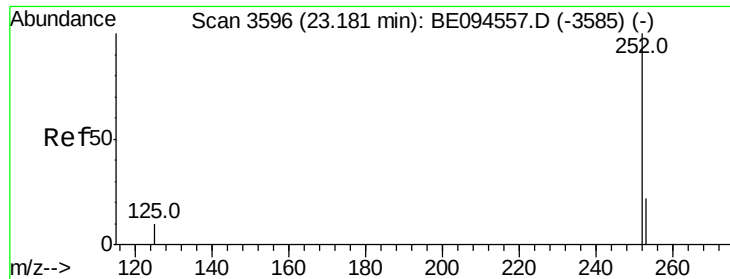
Tot Ion:228 Resp: 79499
Ion Ratio Lower Upper
228 100
229 23.5 22.8 34.2
226 28.4 17.0 25.6#



#19
Chrysene
Concen: 3.589 ng/ul
RT: 21.47 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BE094577.D
Acq: 27 Oct 2017 00:10

Tgt Ion:228 Resp: 105859
Ion Ratio Lower Upper
228 100
226 31.8 23.4 35.0
229 22.6 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 5.041 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. 0.01 min

Lab File: BE094577.D

Acq: 27 Oct 2017 00:10

Instrument :

BNA_E

ClientSampleId :

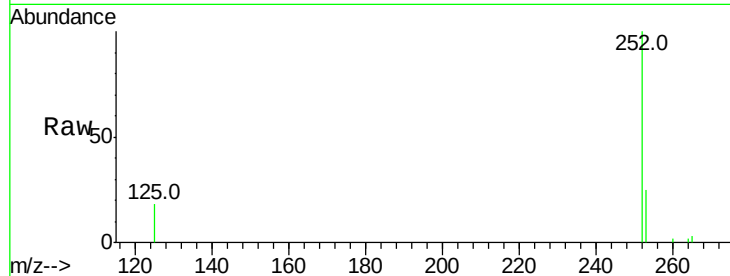
Tot Ion:252 Resp: 159096

Ion Ratio Lower Upper

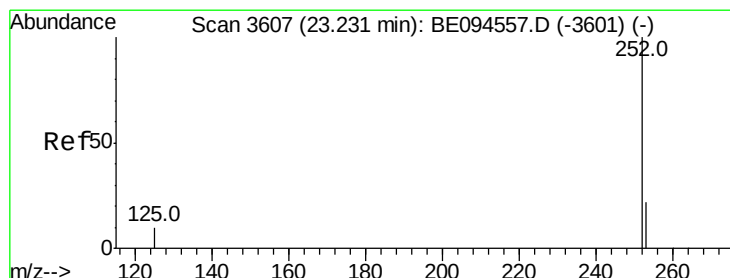
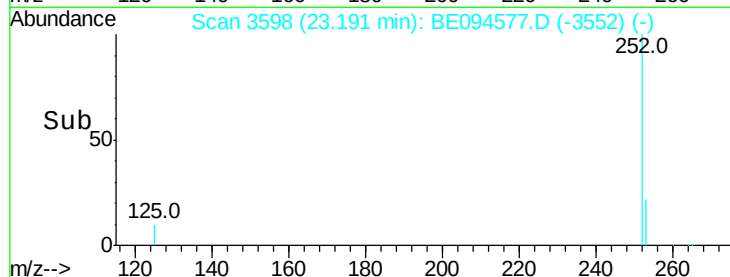
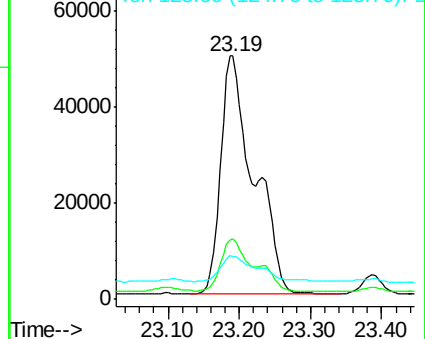
252 100

253 25.1 0.0 64.2

125 17.7 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: 4.704 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.04 min

Lab File: BE094577.D

Acq: 27 Oct 2017 00:10

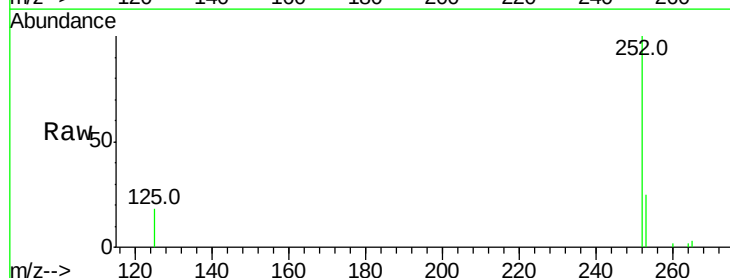
Tgt Ion:252 Resp: 159096

Ion Ratio Lower Upper

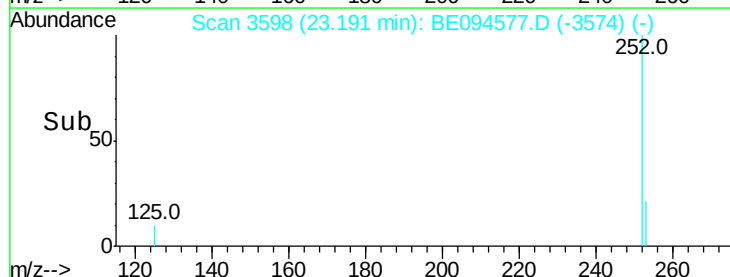
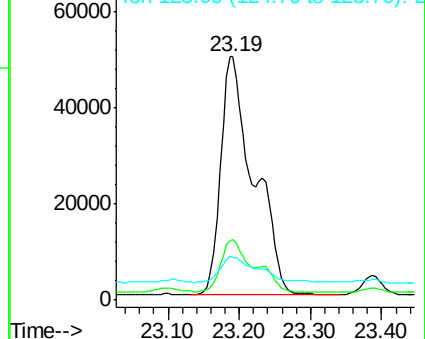
252 100

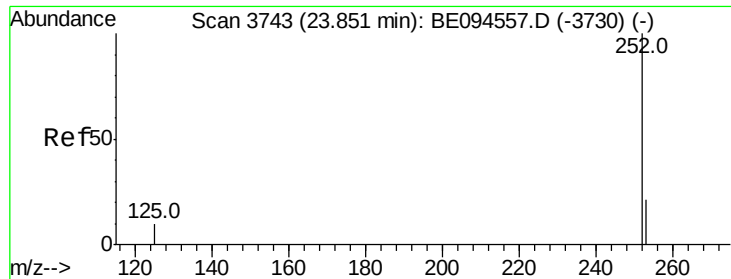
253 25.1 24.5 36.7

125 17.7 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: 1.487 ng/ul

RT: 23.85 min Scan# 3743

Delta R.T. 0.00 min

Lab File: BE094577.D

Acq: 27 Oct 2017 00:10

Instrument :

BNA_E

ClientSampleId :

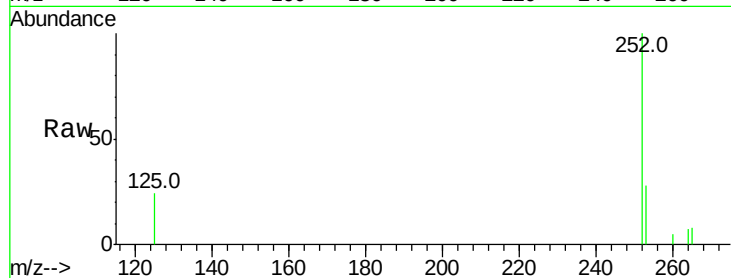
Tot Ion:252 Resp: 46914

Ion Ratio Lower Upper

252 100

253 27.7 28.5 42.7#

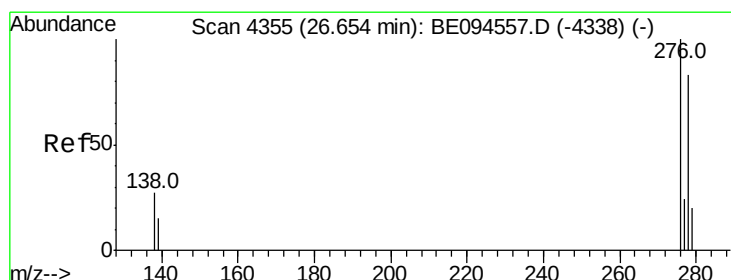
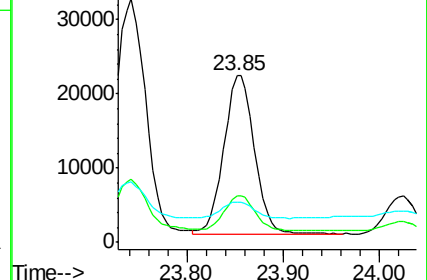
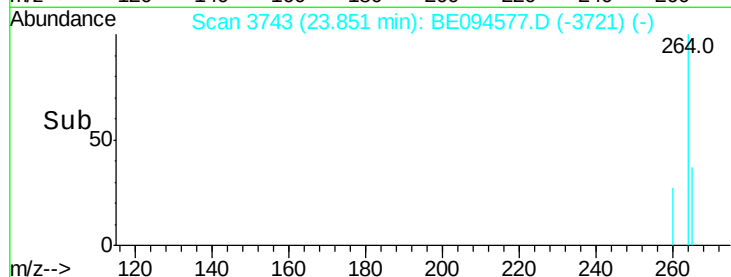
125 24.4 18.1 27.1



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: 1.513 ng/ul

RT: 26.66 min Scan# 4357

Delta R.T. 0.01 min

Lab File: BE094577.D

Acq: 27 Oct 2017 00:10

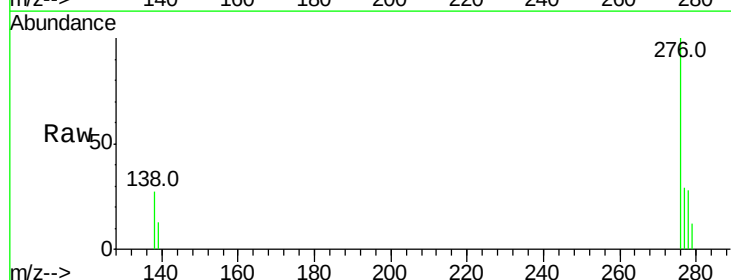
Tgt Ion:276 Resp: 49403

Ion Ratio Lower Upper

276 100

138 21.1 28.0 42.0#

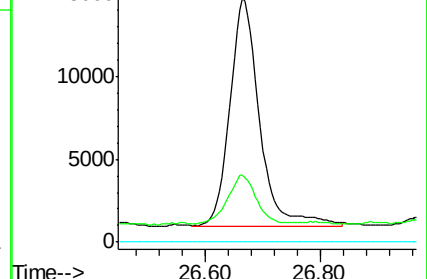
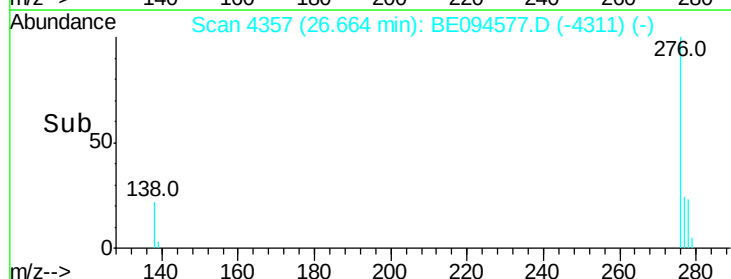
227 0.0 8.0 12.0#

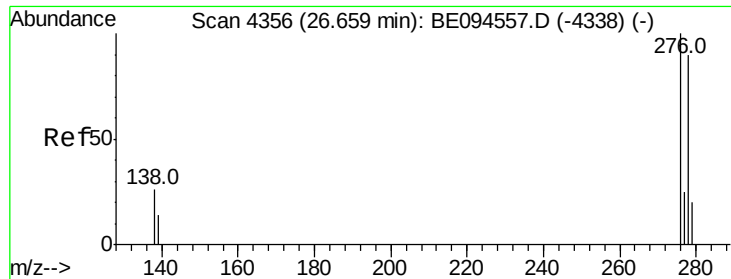


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.482 ng/ul

RT: 26.66 min Scan# 4357

Delta R.T. 0.01 min

Lab File: BE094577.D

Acq: 27 Oct 2017 00:10

Instrument :

BNA_E

ClientSampleId :

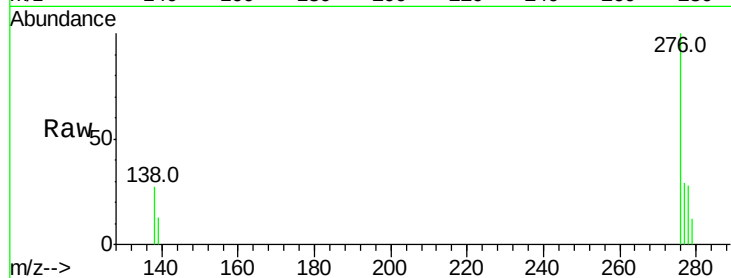
Tot Ion:278 Resp: 13247

Ion Ratio Lower Upper

278 100

139 45.0 17.4 26.0#

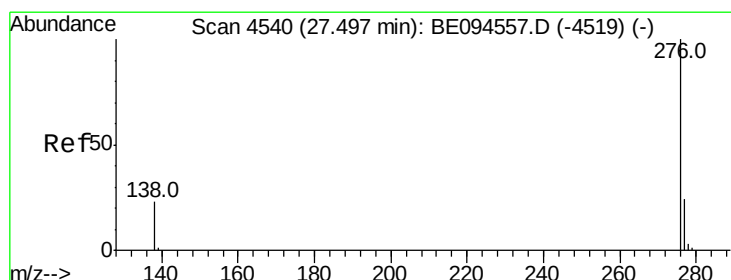
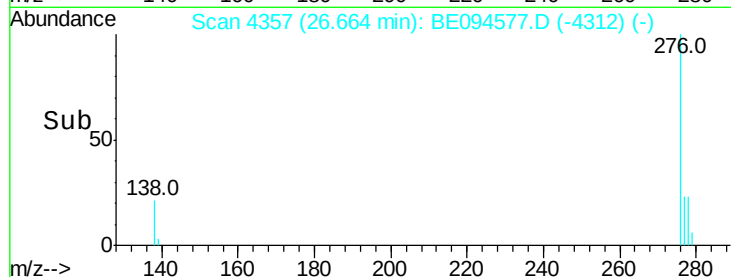
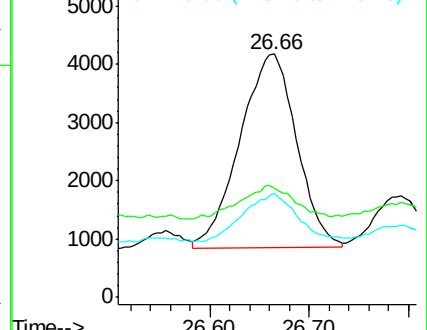
279 42.9 25.9 38.9#



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(g,h,i)perylene

Concen: 1.448 ng/ul

RT: 27.51 min Scan# 4542

Delta R.T. 0.01 min

Lab File: BE094577.D

Acq: 27 Oct 2017 00:10

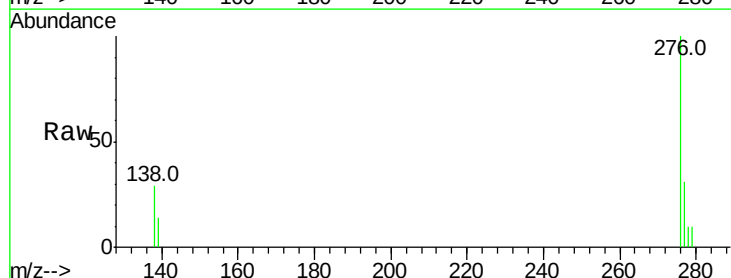
Tgt Ion:276 Resp: 37950

Ion Ratio Lower Upper

276 100

138 29.5 21.8 32.8

277 31.2 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

