

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
 Data File : BE094049.D
 Acq On : 21 Sep 2017 1:45
 Operator : SJ/JU
 Sample : I5283-07 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CB3B2

Quant Time: Sep 21 07:29:45 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 21 07:18:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1530	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	7616	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4821	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	13377	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	16363	0.40	ng/ul	-0.01
20) Perylene-d12	23.91	264	15889	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	295	0.02	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	1428	0.03	ng/ul	-0.02

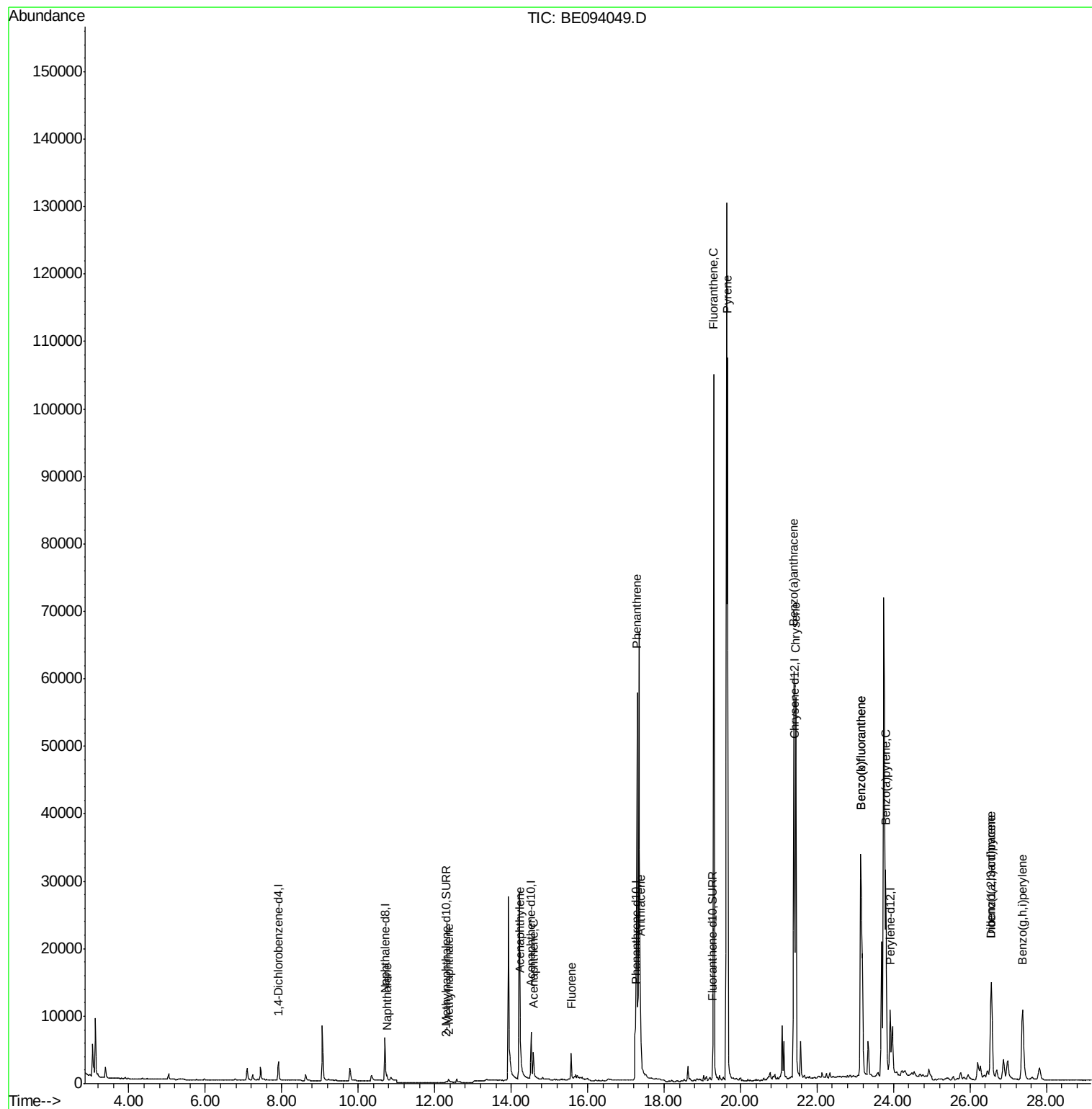
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.75	128	1214	0.065	ng/ul#	89
5) 2-Methylnaphthalene	12.36	142	592	0.049	ng/ul	99
7) Acenaphthylene	14.24	152	1463	0.078	ng/ul#	91
8) Acenaphthene	14.58	153	2511	0.162	ng/ul	97
9) Fluorene	15.57	166	2932	0.162	ng/ul	93
12) Phenanthrene	17.29	178	72252	2.067	ng/ul#	91
13) Anthracene	17.38	178	13010	0.383	ng/ul#	92
15) Fluoranthene	19.30	202	121030	2.635	ng/ul	84
17) Pyrene	19.66	202	118627	2.606	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	57334	1.321	ng/ul#	87
19) Chrysene	21.45	228	60613	1.209	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	88803	2.057	ng/ul	84
22) Benzo(k)fluoranthene	23.15	252	88847	1.781	ng/ul#	86
23) Benzo(a)pyrene	23.80	252	45150	1.007	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.56	276	28682	0.625	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.57	278	6938	0.180	ng/ul	95
26) Benzo(a,h,i)perylene	27.37	276	26507	0.670	ng/ul	96

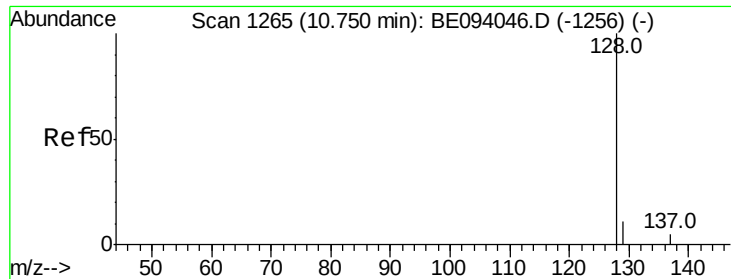
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
Data File : BE094049.D
Acq On : 21 Sep 2017 1:45
Operator : SJ/JU
Sample : I5283-07 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CB3B2

Quant Time: Sep 21 07:29:45 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 21 07:18:34 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.065 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE094049.D

Acq: 21 Sep 2017 1:45

Instrument :

BNA_E

ClientSampleId :

CB3B2

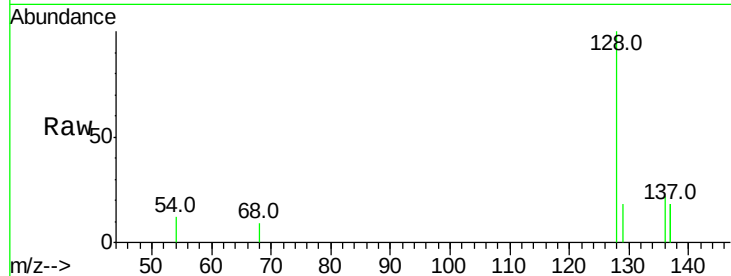
Tot Ion:128 Resp: 1214

Ion Ratio Lower Upper

128 100

129 18.0 11.3 16.9#

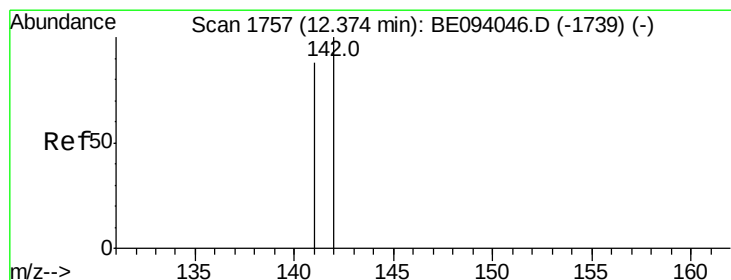
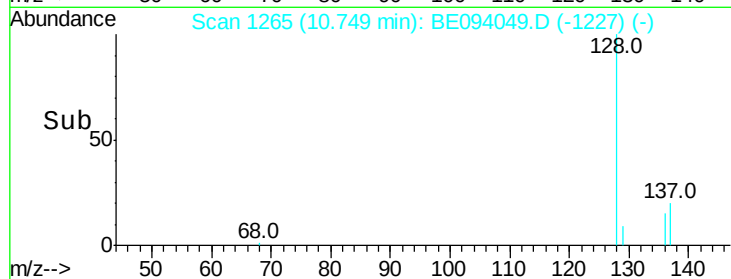
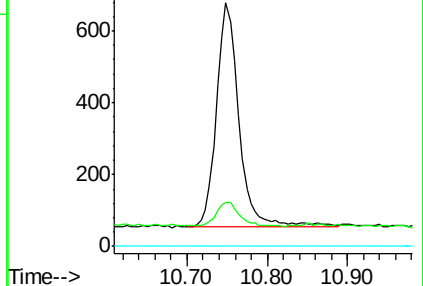
127 0.0 4.0 6.0#



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: 0.049 ng/ul

RT: 12.36 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BE094049.D

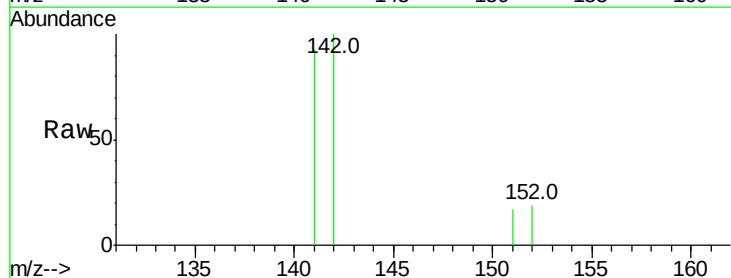
Acq: 21 Sep 2017 1:45

Tgt Ion:142 Resp: 592

Ion Ratio Lower Upper

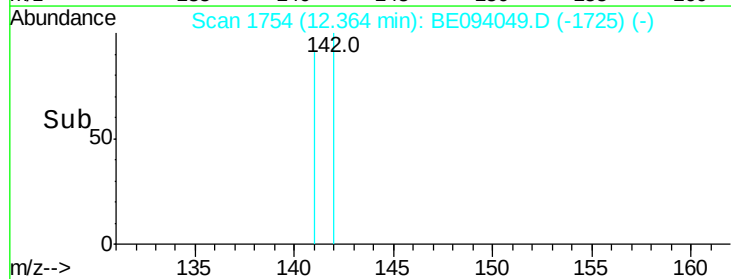
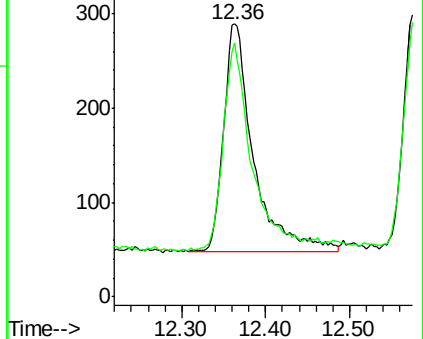
142 100

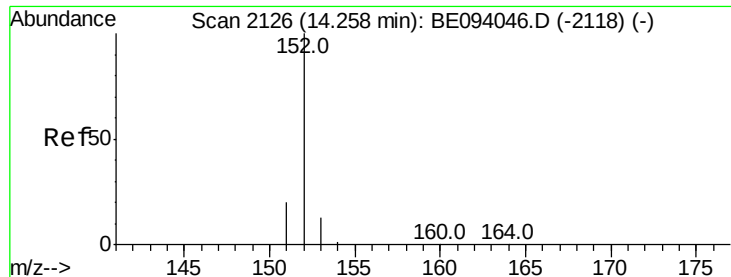
141 89.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.078 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.02 min

Lab File: BE094049.D

Acq: 21 Sep 2017 1:45

Instrument :

BNA_E

ClientSampleId :

CB3B2

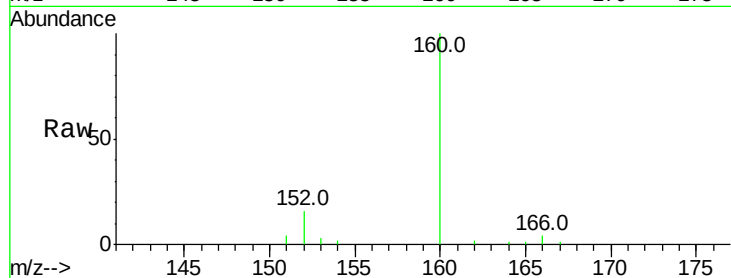
Tot Ion:152 Resp: 1463

Ion Ratio Lower Upper

152 100

151 24.9 17.1 25.7

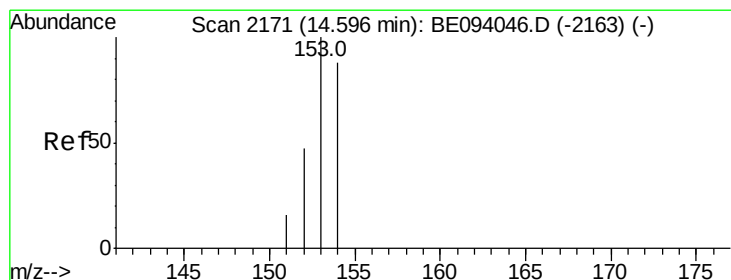
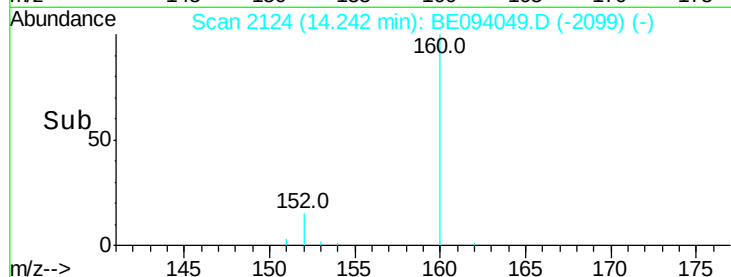
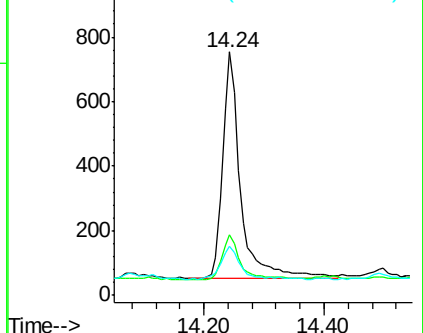
153 20.3 12.8 19.2#



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: 0.162 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BE094049.D

Acq: 21 Sep 2017 1:45

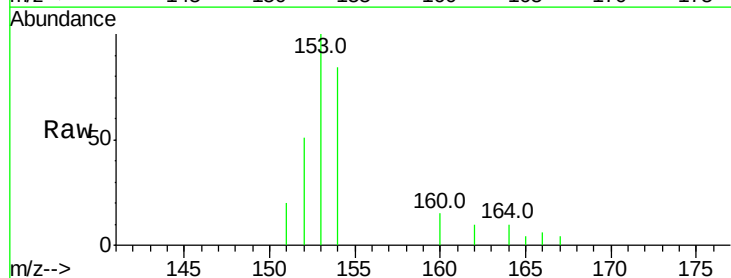
Tgt Ion:153 Resp: 2511

Ion Ratio Lower Upper

153 100

152 50.8 40.3 60.5

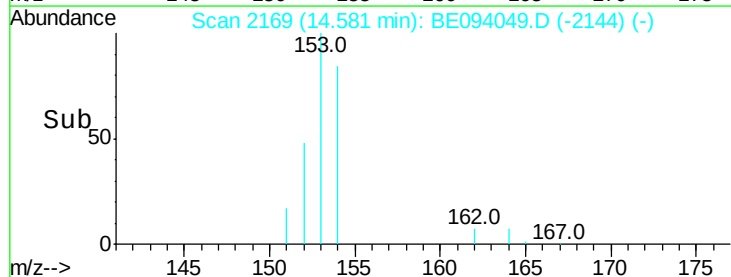
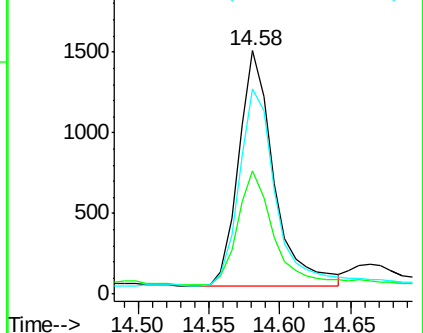
154 84.5 71.4 107.2

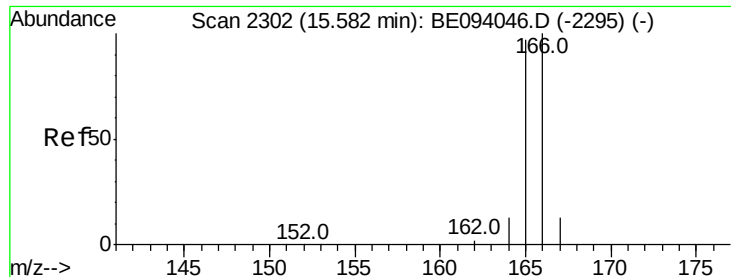


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

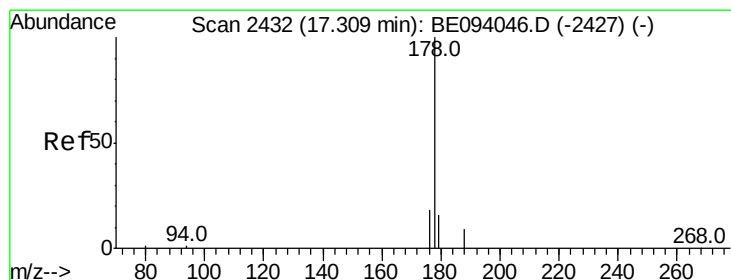
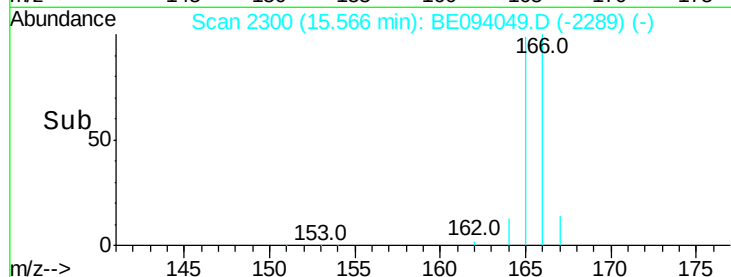
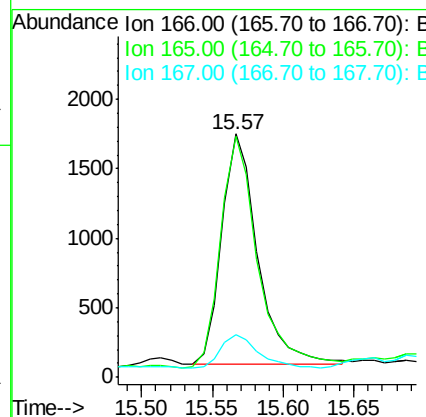
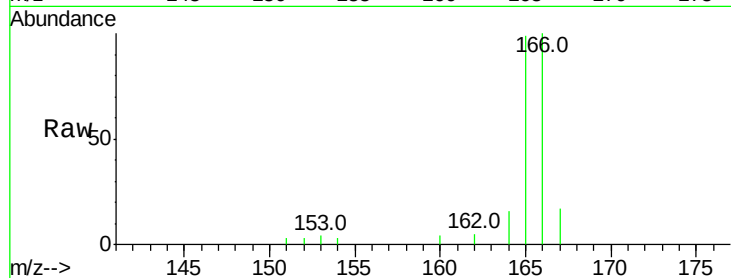




#9
Fluorene
 Concen: 0.162 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.02 min
 Lab File: BE094049.D
 Acq: 21 Sep 2017 1:45

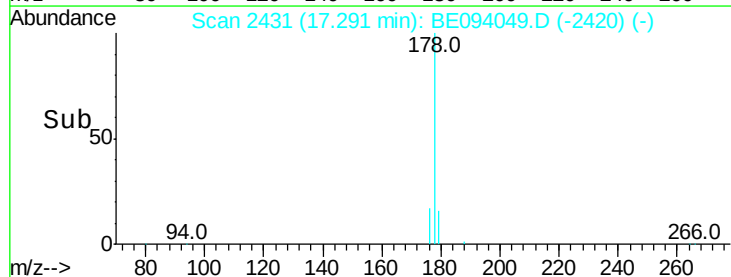
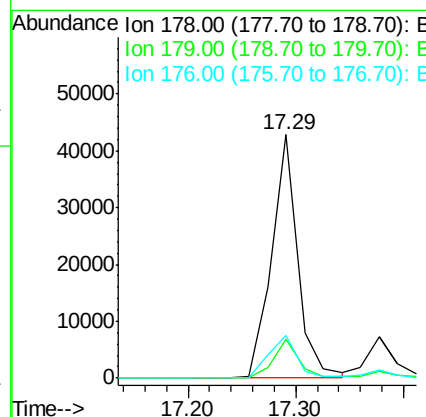
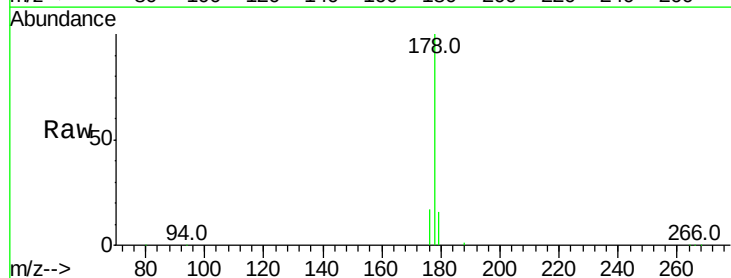
Instrument :
 BNA_E
 ClientSampleId :
 CB3B2

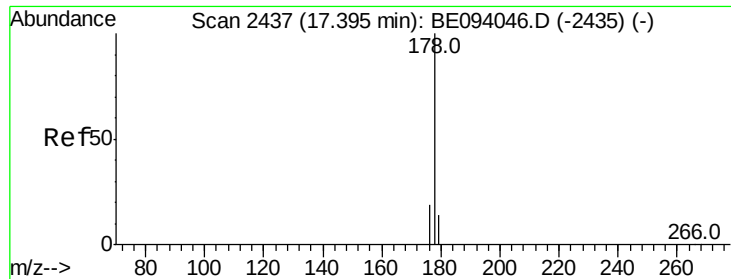
Tot Ion:166 Resp: 2932
 Ion Ratio Lower Upper
 166 100
 165 99.0 73.4 110.2
 167 17.4 14.6 22.0



#12
Phenanthrene
 Concen: 2.067 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094049.D
 Acq: 21 Sep 2017 1:45

Tgt Ion:178 Resp: 72252
 Ion Ratio Lower Upper
 178 100
 179 16.2 18.4 27.6#
 176 17.5 13.6 20.4





#13

Anthracene

Concen: 0.383 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094049.D

Acq: 21 Sep 2017 1:45

Instrument :

BNA_E

ClientSampleId :

CB3B2

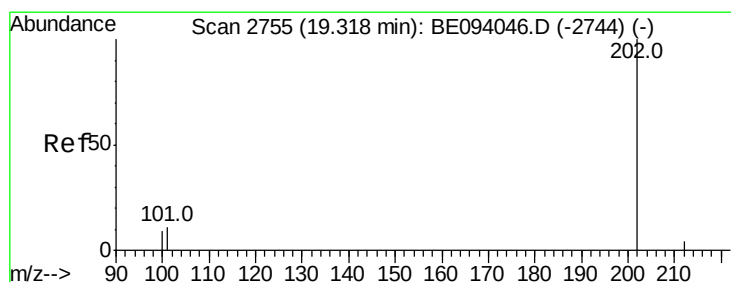
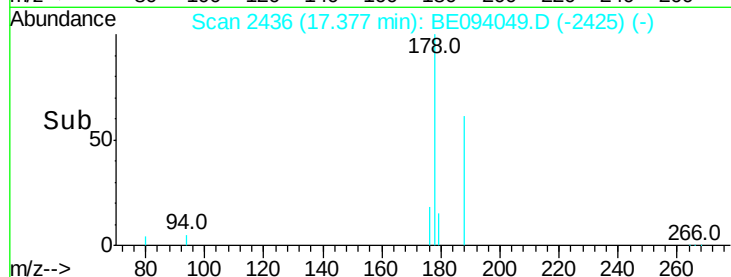
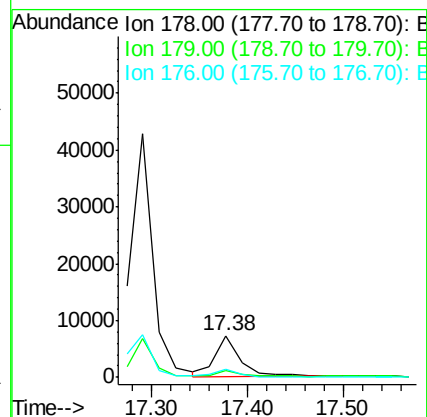
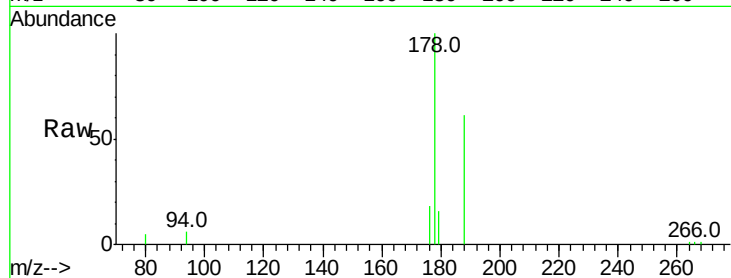
Tot Ion:178 Resp: 13010

Ion Ratio Lower Upper

178 100

179 16.1 18.1 27.1#

176 18.3 14.7 22.1



#15

Fluoranthene

Concen: 2.635 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094049.D

Acq: 21 Sep 2017 1:45

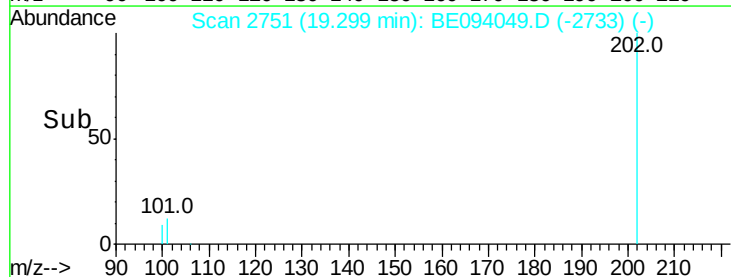
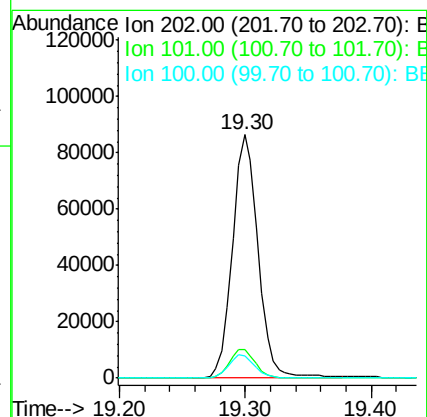
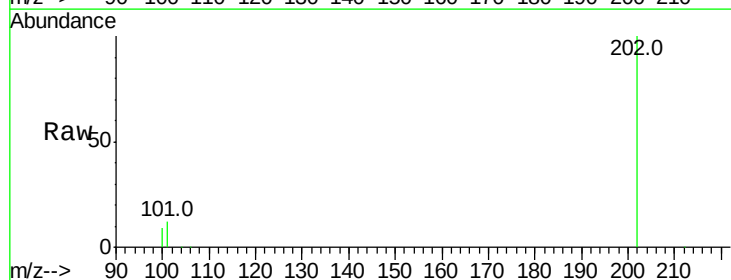
Tgt Ion:202 Resp: 121030

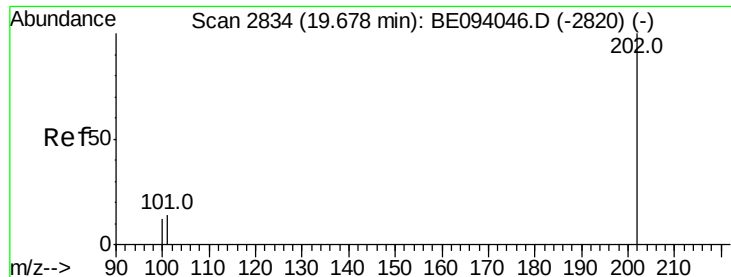
Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.3

100 9.3 0.0 39.5





#17

Pvrene

Concen: 2.606 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BE094049.D

Acq: 21 Sep 2017 1:45

Instrument :

BNA_E

ClientSampled :

CB3B2

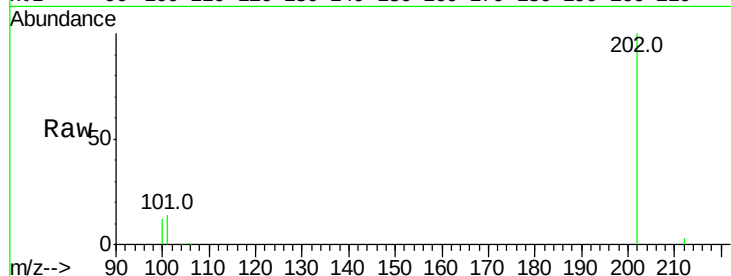
Tot Ion:202 Resp: 118627

Ion Ratio Lower Upper

202 100

101 13.9 18.2 27.4#

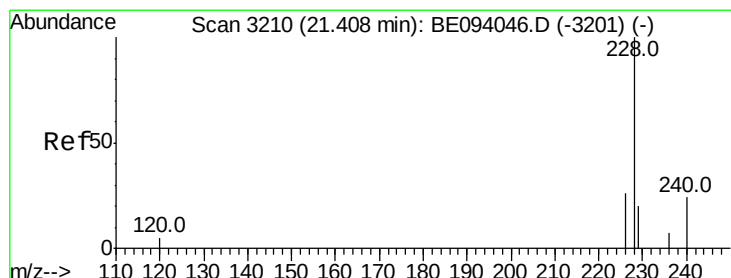
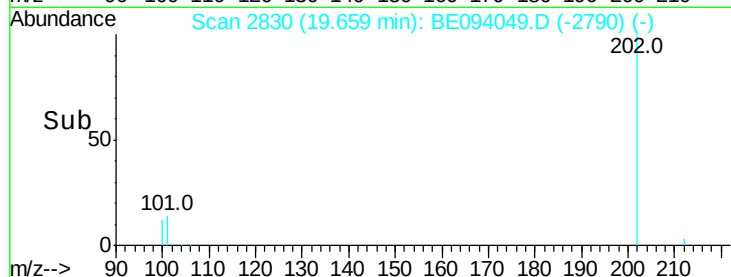
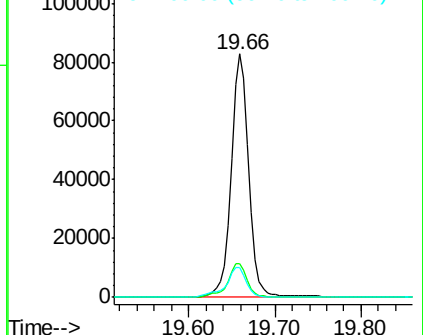
100 12.1 15.6 23.4#



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: 1.321 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.02 min

Lab File: BE094049.D

Acq: 21 Sep 2017 1:45

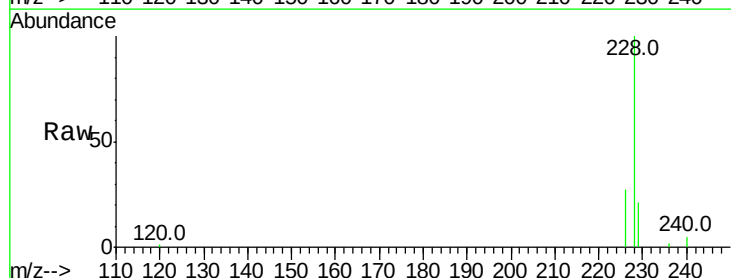
Tgt Ion:228 Resp: 57334

Ion Ratio Lower Upper

228 100

229 20.8 22.8 34.2#

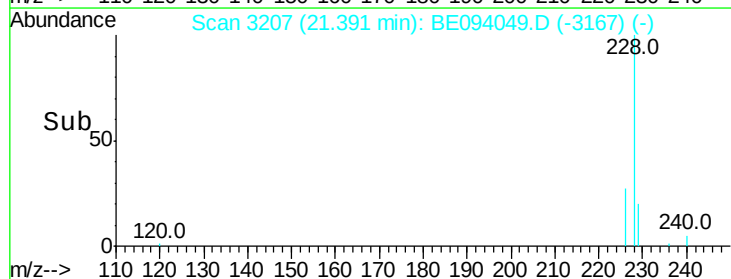
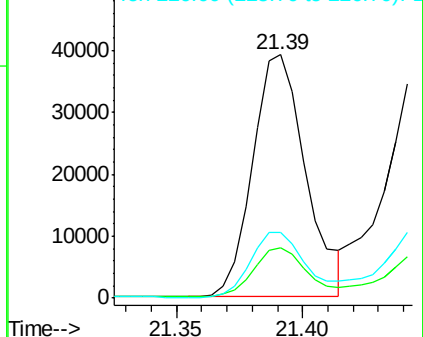
226 26.9 17.0 25.6#

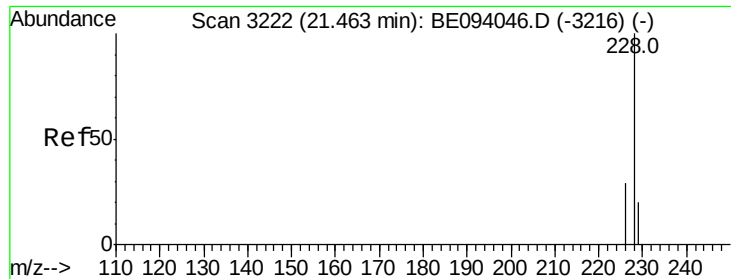


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.209 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BE094049.D

Acq: 21 Sep 2017 1:45

Instrument :

BNA_E

ClientSampleId :

CB3B2

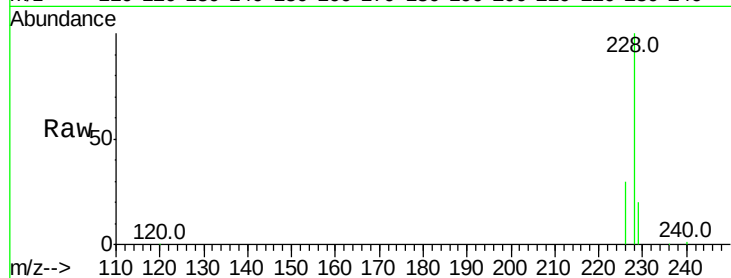
Tot Ion:228 Resp: 60613

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.0

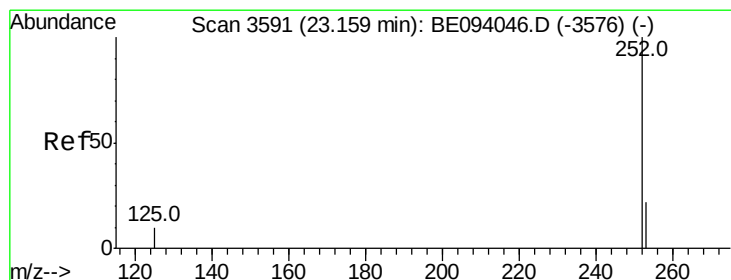
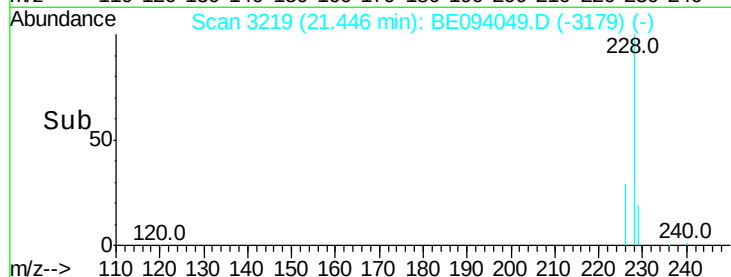
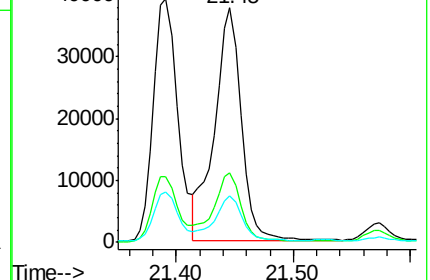
229 19.9 17.7 26.5



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: 2.057 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.01 min

Lab File: BE094049.D

Acq: 21 Sep 2017 1:45

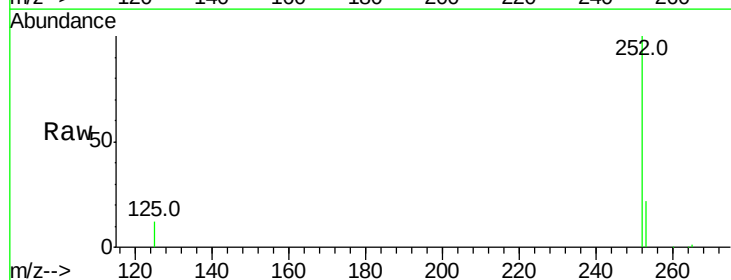
Tgt Ion:252 Resp: 88803

Ion Ratio Lower Upper

252 100

253 22.4 0.0 64.2

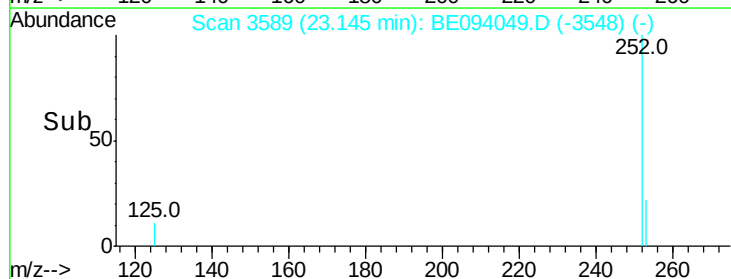
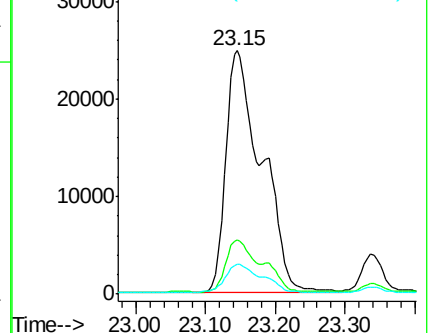
125 12.1 0.0 35.0

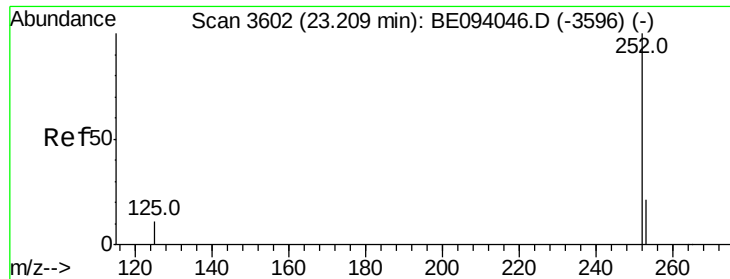


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.781 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.06 min

Lab File: BE094049.D

Acq: 21 Sep 2017 1:45

Instrument :

BNA_E

ClientSampleId :

CB3B2

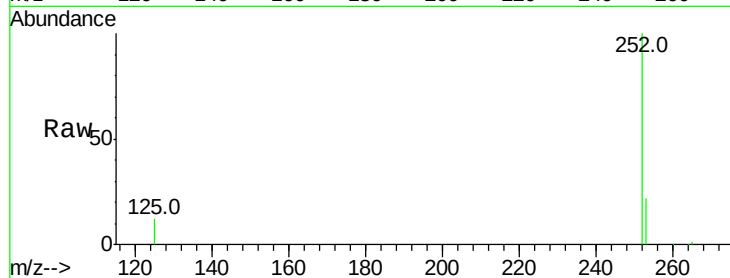
Tot Ion:252 Resp: 88847

Ion Ratio Lower Upper

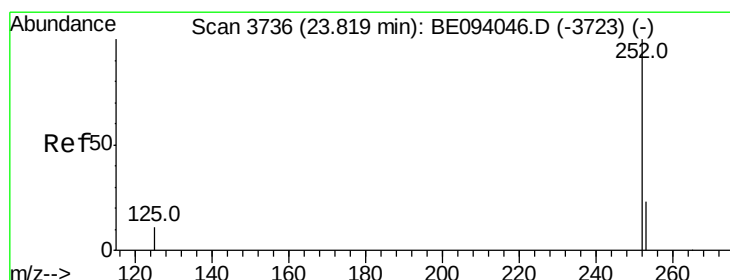
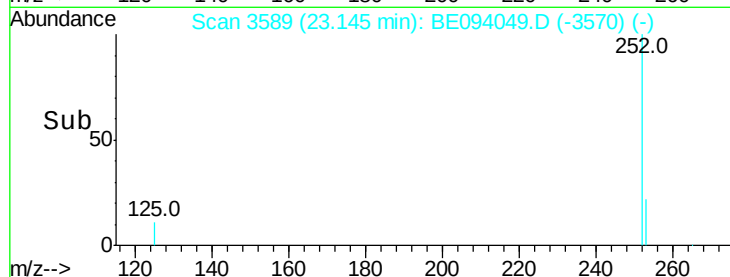
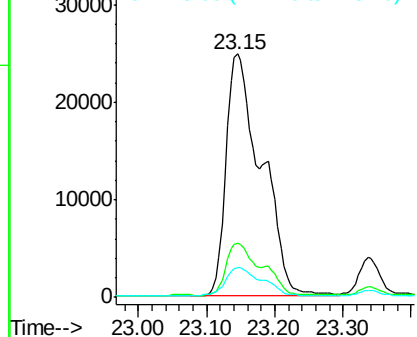
252 100

253 22.4 24.5 36.7#

125 12.1 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: 1.007 ng/ul

RT: 23.80 min Scan# 3732

Delta R.T. -0.02 min

Lab File: BE094049.D

Acq: 21 Sep 2017 1:45

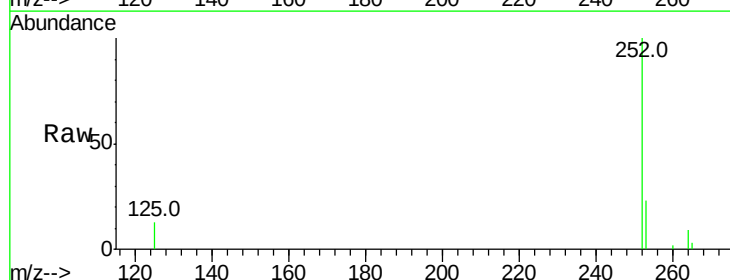
Tgt Ion:252 Resp: 45150

Ion Ratio Lower Upper

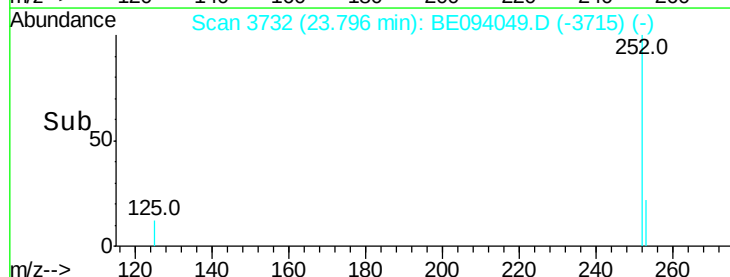
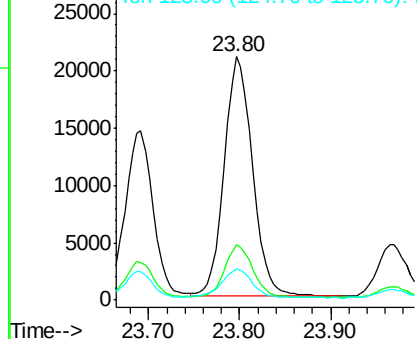
252 100

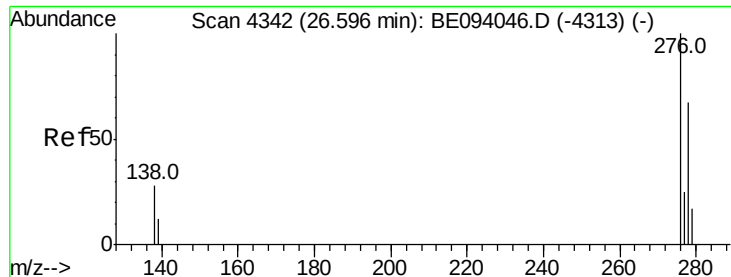
253 22.7 28.5 42.7#

125 12.8 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: 0.625 ng/ul

RT: 26.56 min Scan# 4335

Delta R.T. -0.04 min

Lab File: BE094049.D

Acq: 21 Sep 2017 1:45

Instrument :

BNA_E

ClientSampleId :

CB3B2

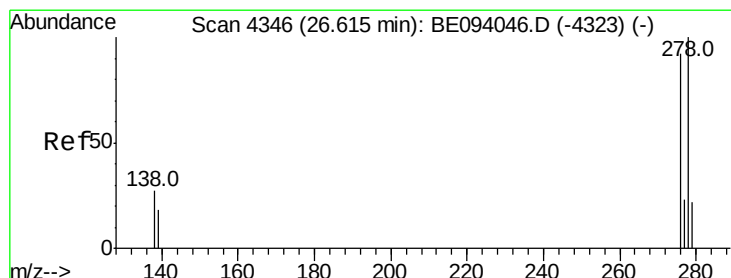
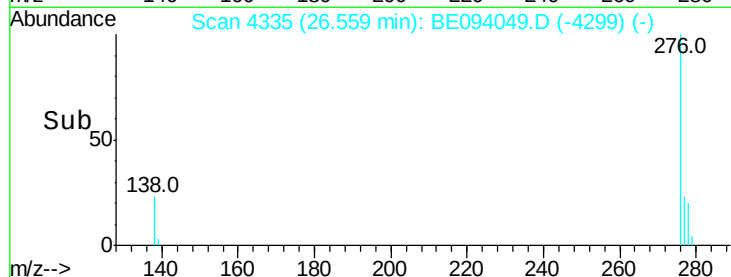
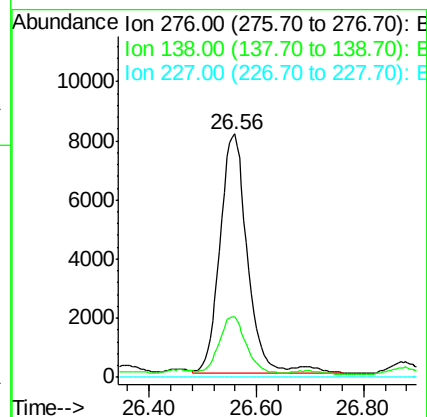
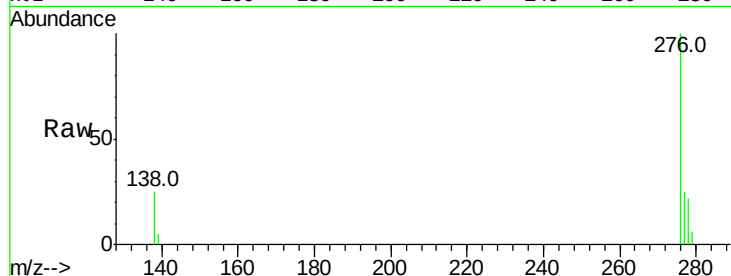
Tot Ion:276 Resp: 28682

Ion Ratio Lower Upper

276 100

138 23.3 28.0 42.0#

227 0.0 8.0 12.0#



#25

Dibenzo(a,h)anthracene

Concen: 0.180 ng/ul

RT: 26.57 min Scan# 4337

Delta R.T. -0.05 min

Lab File: BE094049.D

Acq: 21 Sep 2017 1:45

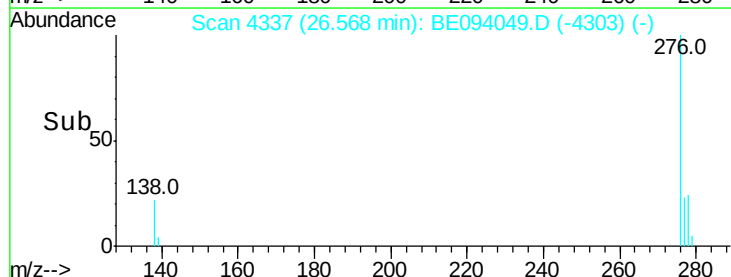
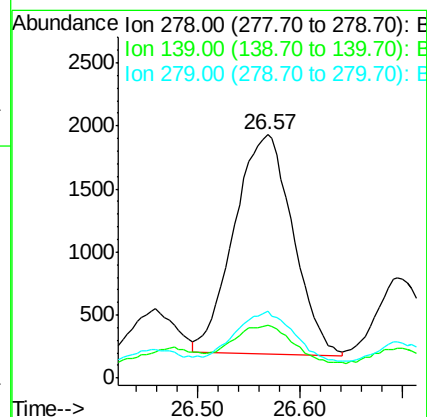
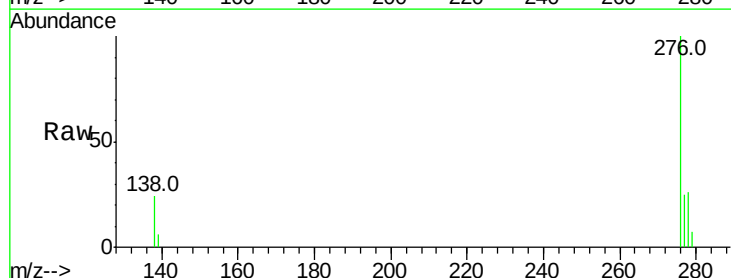
Tgt Ion:278 Resp: 6938

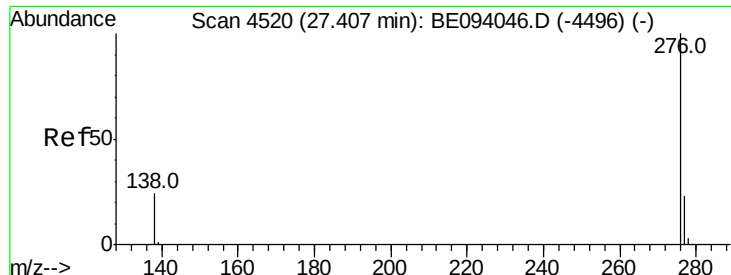
Ion Ratio Lower Upper

278 100

139 21.9 17.4 26.0

279 27.4 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 0.670 ng/ul

RT: 27.37 min Scan# 4514

Delta R.T. -0.03 min

Lab File: BE094049.D

Acq: 21 Sep 2017 1:45

Instrument :

BNA_E

ClientSampleId :

CB3B2

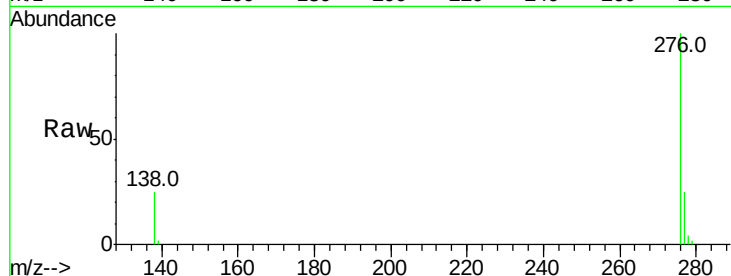
Tot Ion:276 Resp: 26507

Ion Ratio Lower Upper

276 100

138 24.8 21.8 32.8

277 24.5 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

