

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111517\
 Data File : BE094812.D
 Acq On : 15 Nov 2017 12:35
 Operator : SJ/JU
 Sample : I6260-03DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 16 01:01:52 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE111417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 16 00:58:39 2017
 Response via : Initial Calibration

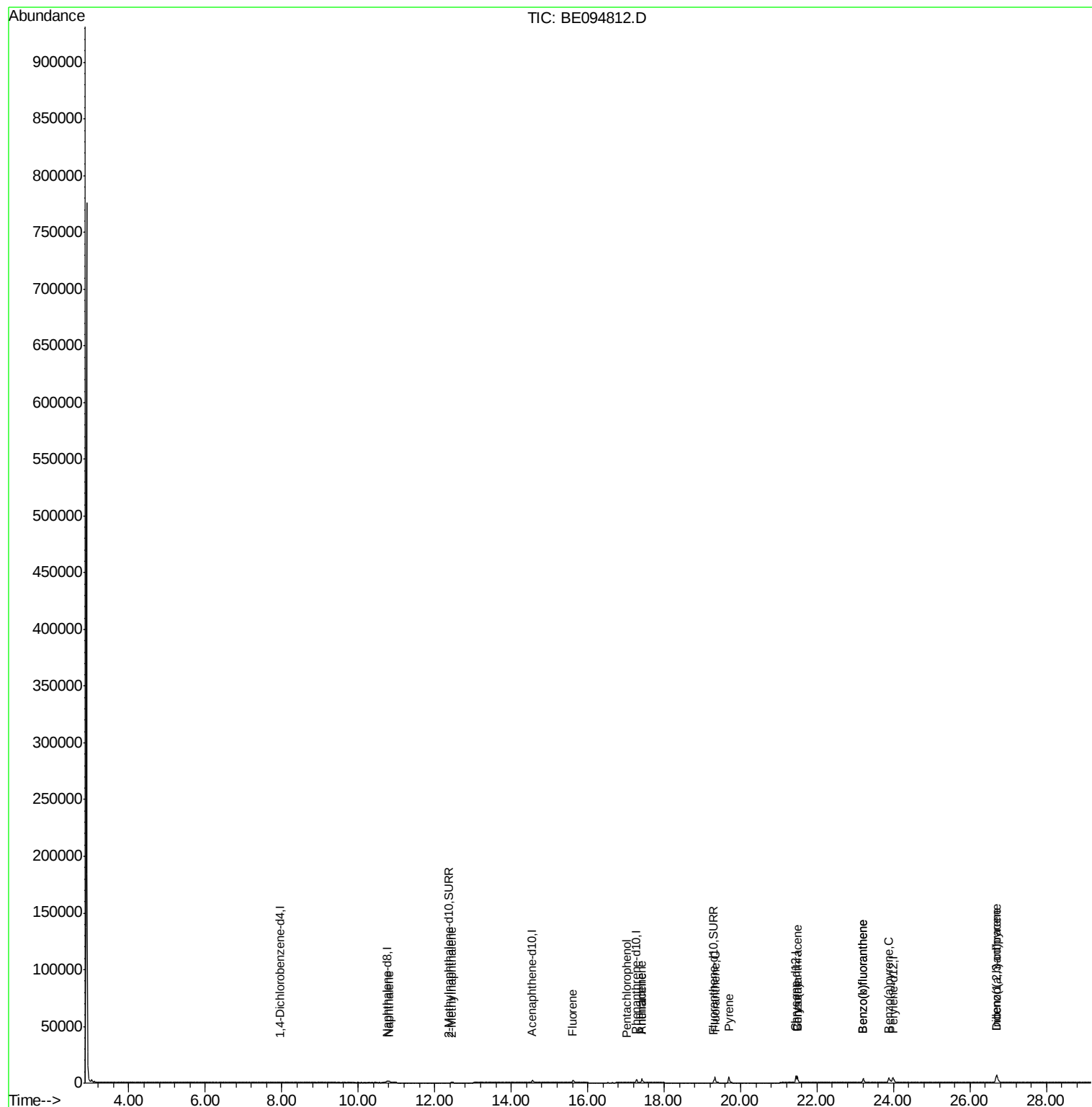
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	629	0.40	ng/ul	0.01
2) Naphthalene-d8	10.75	136	3472	0.40	ng/ul	0.04
6) Acenaphthene-d10	14.55	164	2284	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.27	188	6193	0.40	ng/ul	0.00
16) Chrysene-d12	21.45	240	7687	0.40	ng/ul	0.00
20) Perylene-d12	23.98	264	7537	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.37	152	945	0.17	ng/ul	0.06
14) Fluoranthene-d10	19.30	212	3647	0.17	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.80	128	2874	0.35	ng/ul#	87
5) 2-Methylnaphthalene	12.44	142	1292	0.22	ng/ul	98
9) Fluorene	15.61	166	2733	0.31	ng/ul	94
11) Pentachlorophenol	17.03	266	335	1.03	ng/ul	95
12) Phenanthrene	17.41	178	5973	0.36	ng/ul#	89
13) Anthracene	17.41	178	7276	0.43	ng/ul#	91
15) Fluoranthene	19.34	202	8065	0.37	ng/ul	84
17) Pyrene	19.70	202	9787	0.41	ng/ul#	81
18) Benzo(a)anthracene	21.49	228	7393	0.32	ng/ul#	85
19) Chrysene	21.49	228	7540	0.32	ng/ul	99
21) Benzo(b)fluoranthene	23.20	252	6329	0.28	ng/ul	92
22) Benzo(k)fluoranthene	23.20	252	6329	0.27	ng/ul	94
23) Benzo(a)pyrene	23.88	252	8063	0.36	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.69	276	3735	0.15	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.70	278	15544	0.76	ng/ul	91

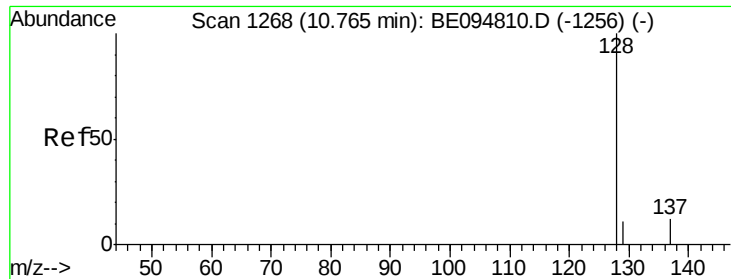
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 16 00:58:39 2017
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#3

Naphthalene

Concen: 0.35 ng/ul

RT: 10.80 min Scan# 1275

Delta R.T. 0.04 min

Lab File: BE094812.D

Acq: 15 Nov 2017 12:35

Instrument :

BNA_E

ClientSampleId :

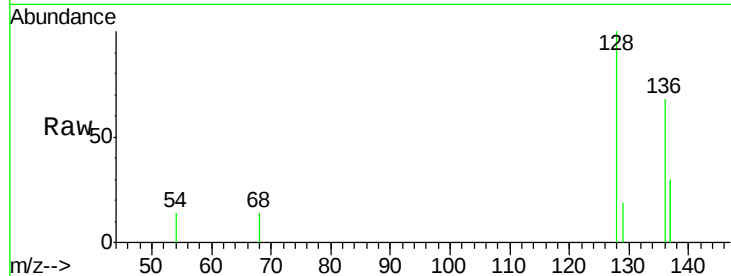
Tot Ion:128 Resp: 2874

Ion Ratio Lower Upper

128 100

129 19.2 11.3 16.9#

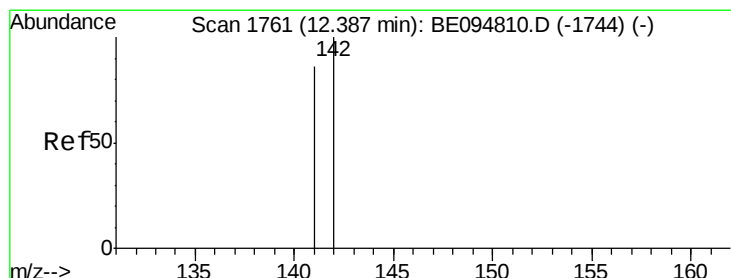
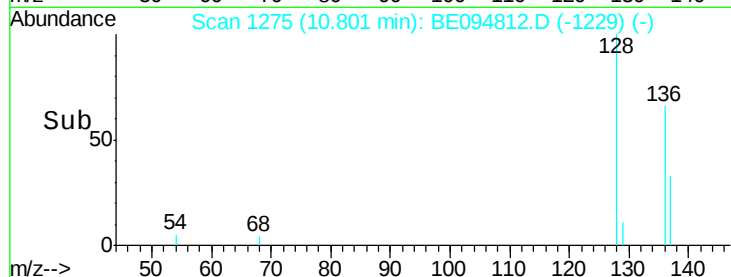
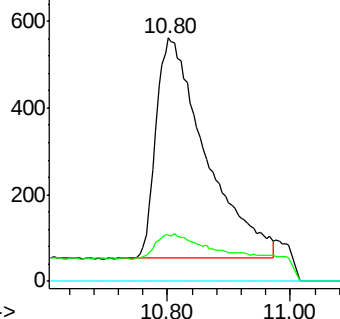
127 0.0 4.0 6.0#



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: 0.22 ng/ul

RT: 12.44 min Scan# 1779

Delta R.T. 0.05 min

Lab File: BE094812.D

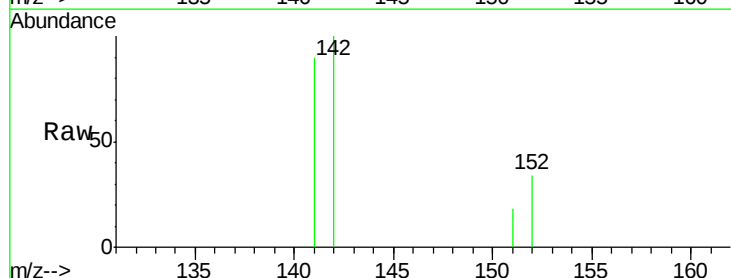
Acq: 15 Nov 2017 12:35

Tgt Ion:142 Resp: 1292

Ion Ratio Lower Upper

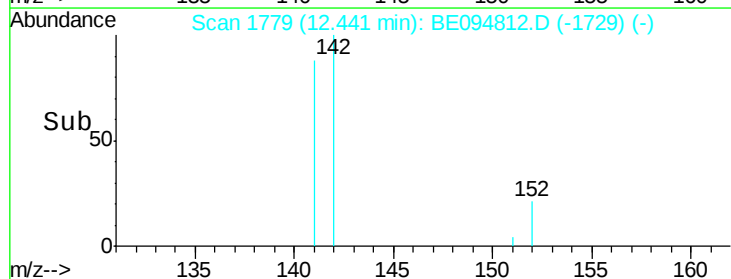
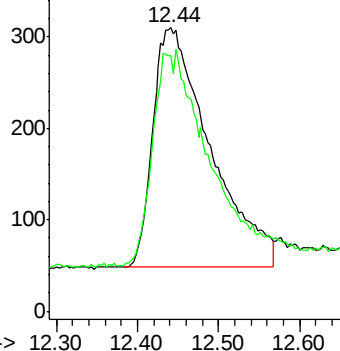
142 100

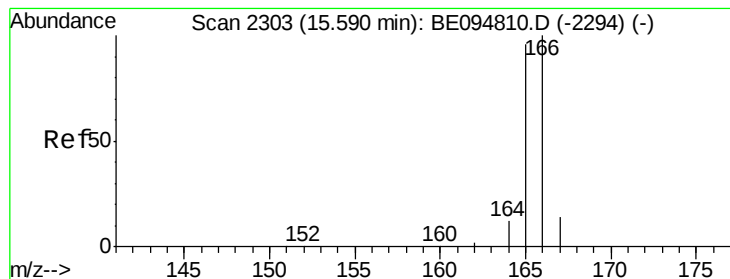
141 88.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Fluorene

Concen: 0.31 ng/ul

RT: 15.61 min Scan# 2306

Delta R.T. 0.02 min

Lab File: BE094812.D

Acq: 15 Nov 2017 12:35

Instrument :

BNA_E

ClientSampleId :

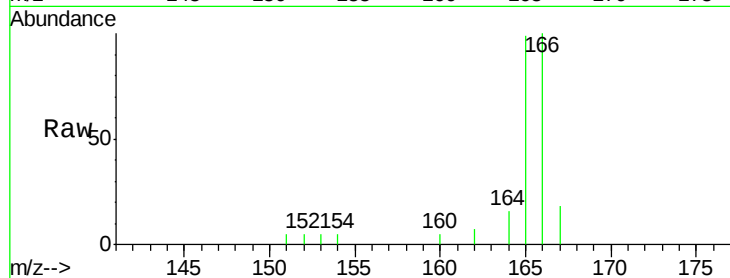
Tot Ion:166 Resp: 2733

Ion Ratio Lower Upper

166 100

165 98.7 73.4 110.2

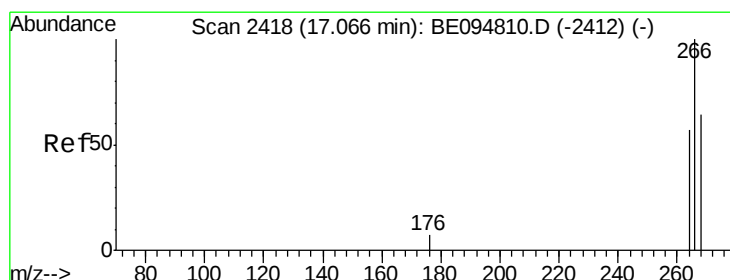
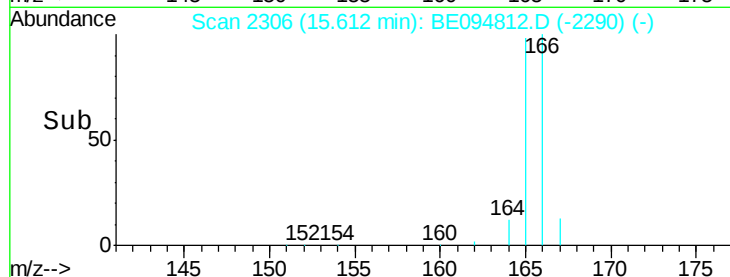
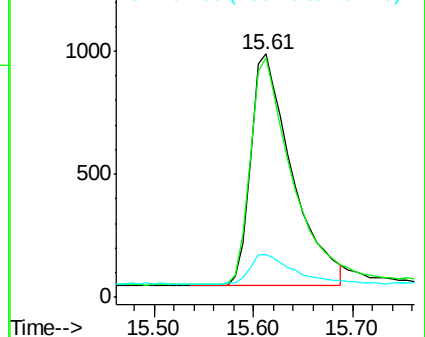
167 17.7 14.6 22.0



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: 1.03 ng/ul

RT: 17.03 min Scan# 2416

Delta R.T. -0.03 min

Lab File: BE094812.D

Acq: 15 Nov 2017 12:35

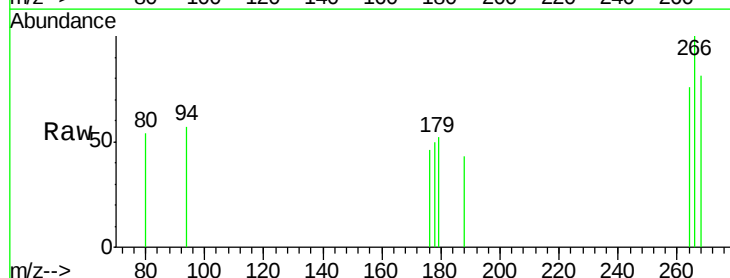
Tgt Ion:266 Resp: 335

Ion Ratio Lower Upper

266 100

264 58.2 47.9 71.9

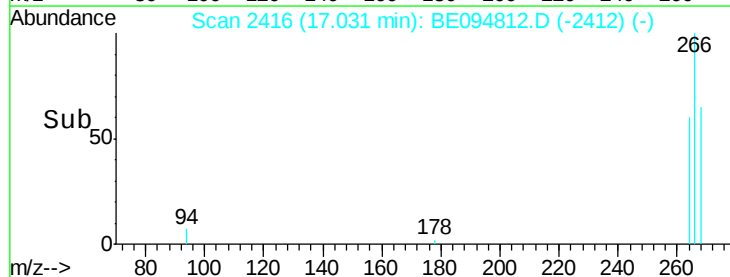
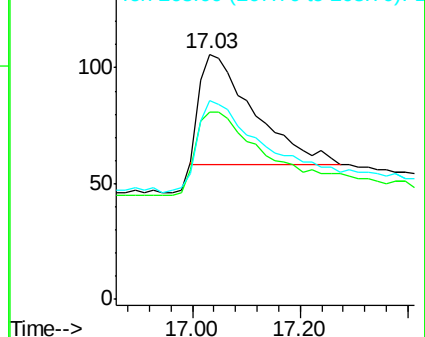
268 68.7 49.8 74.8

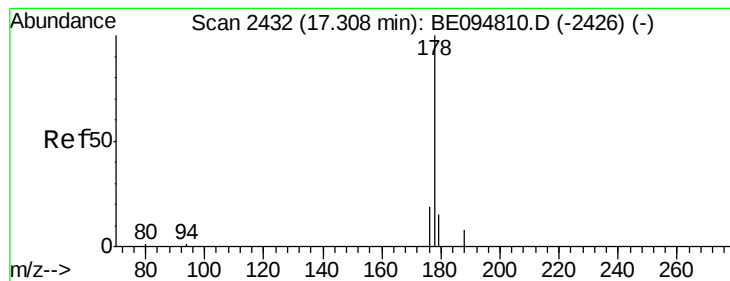


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.36 ng/ul

RT: 17.41 min Scan# 2438

Delta R.T. 0.10 min

Lab File: BE094812.D

Acq: 15 Nov 2017 12:35

Instrument :

BNA_E

ClientSampleId :

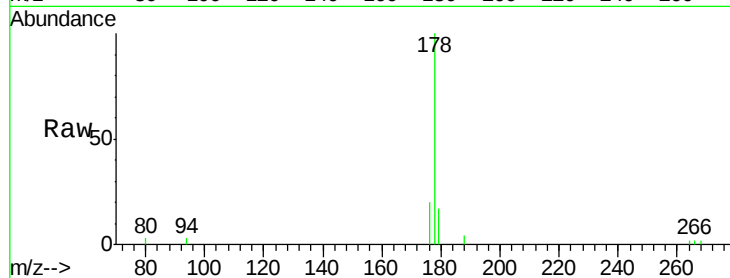
Tot Ion:178 Resp: 5973

Ion Ratio Lower Upper

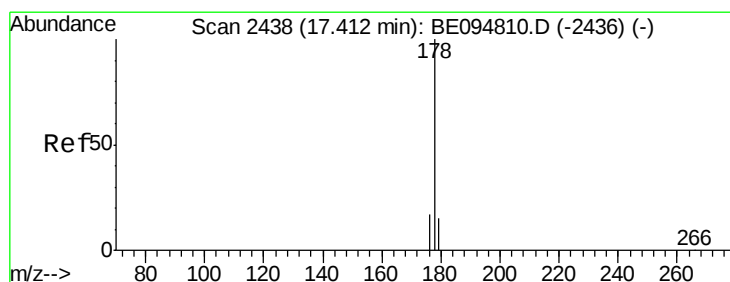
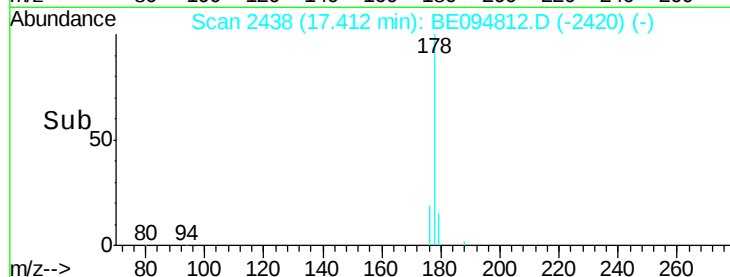
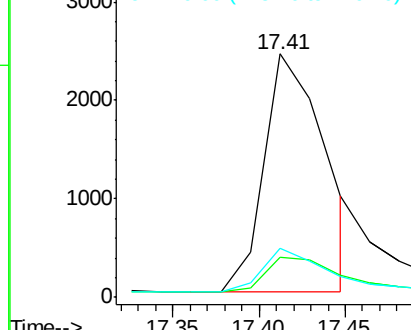
178 100

179 16.5 18.4 27.6#

176 20.3 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: 0.43 ng/ul

RT: 17.41 min Scan# 2438

Delta R.T. 0.00 min

Lab File: BE094812.D

Acq: 15 Nov 2017 12:35

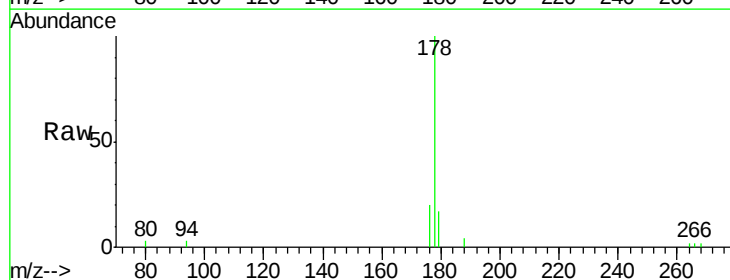
Tgt Ion:178 Resp: 7276

Ion Ratio Lower Upper

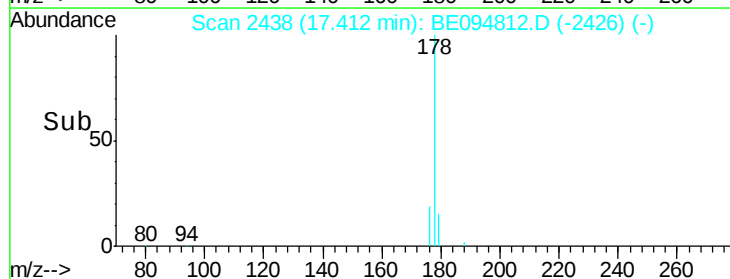
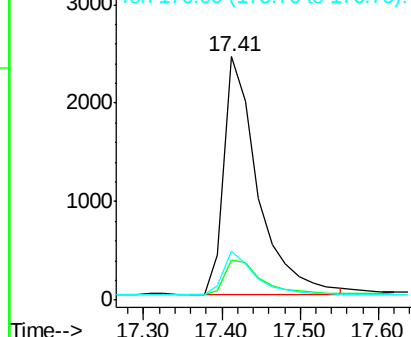
178 100

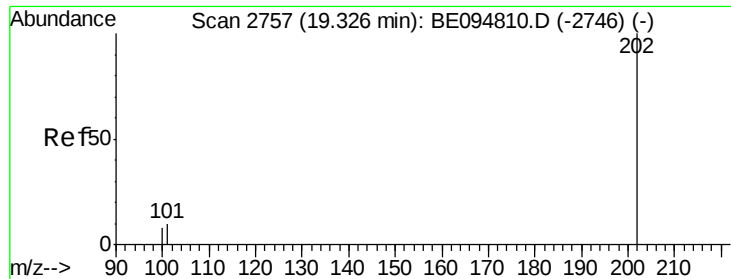
179 16.5 18.1 27.1#

176 20.3 14.7 22.1



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

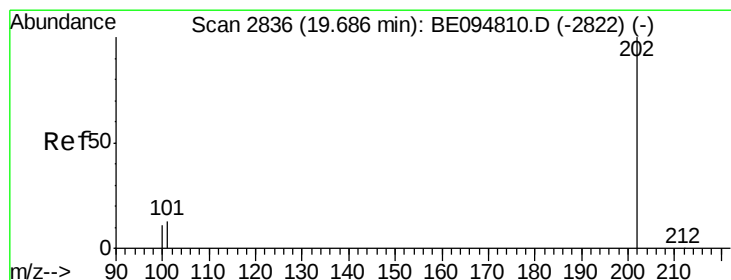
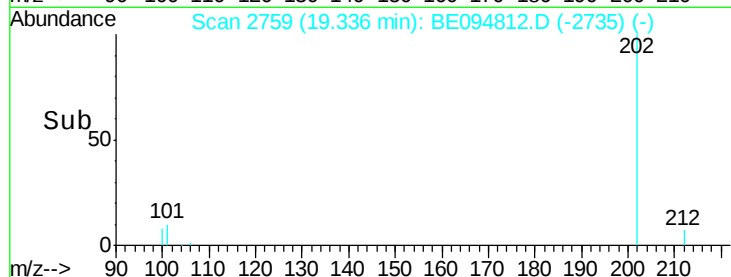
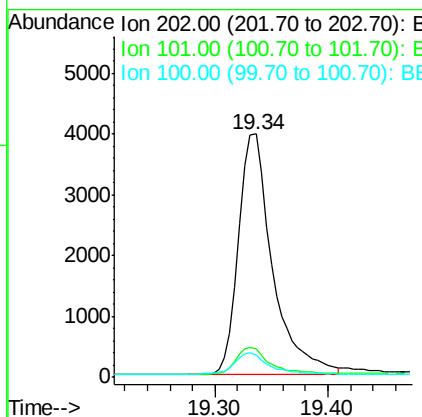
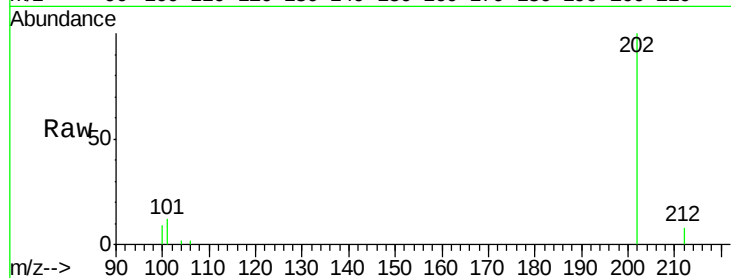




#15
Fluoranthene
 Concen: 0.37 ng/ul
 RT: 19.34 min Scan# 2759
 Delta R.T. 0.01 min
 Lab File: BE094812.D
 Acq: 15 Nov 2017 12:35

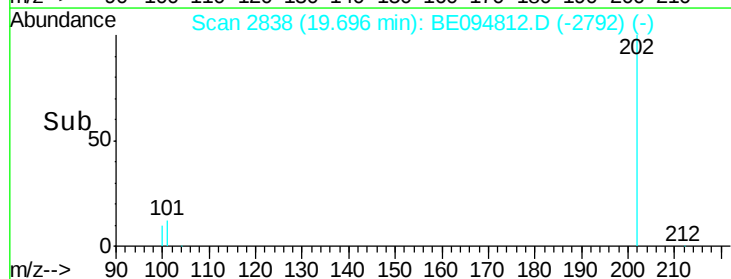
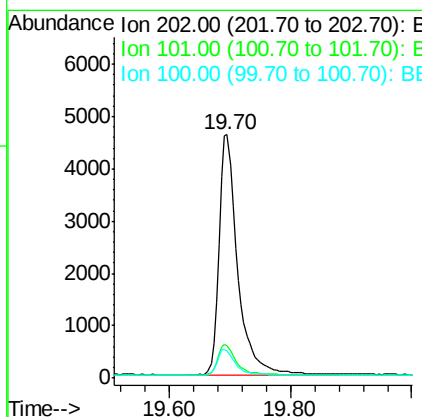
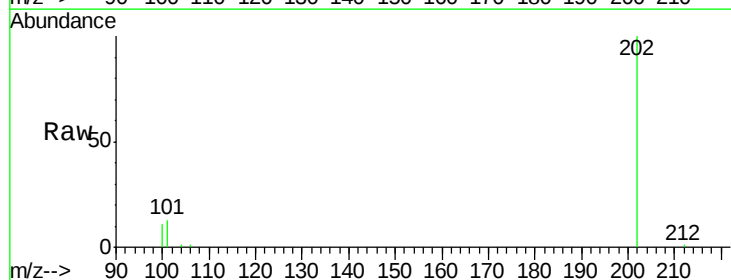
Instrument :
 BNA_E
 ClientSampleId :

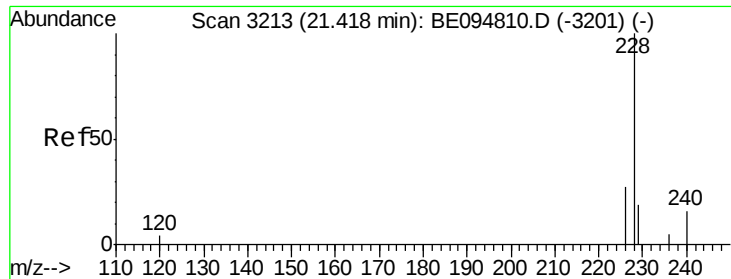
Tot Ion:202 Resp: 8065
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 30.3
 100 9.1 0.0 39.5



#17
Pyrene
 Concen: 0.41 ng/ul
 RT: 19.70 min Scan# 2838
 Delta R.T. 0.01 min
 Lab File: BE094812.D
 Acq: 15 Nov 2017 12:35

Tgt Ion:202 Resp: 9787
 Ion Ratio Lower Upper
 202 100
 101 13.3 18.2 27.4#
 100 11.3 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.32 ng/ul

RT: 21.49 min Scan# 3228

Delta R.T. 0.07 min

Lab File: BE094812.D

Acq: 15 Nov 2017 12:35

Instrument :

BNA_E

ClientSampleId :

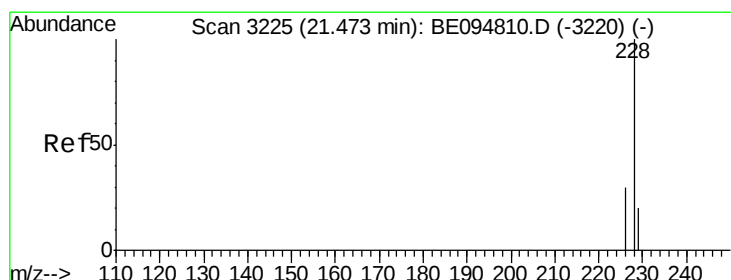
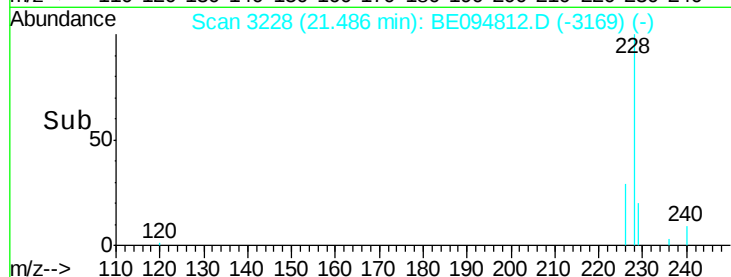
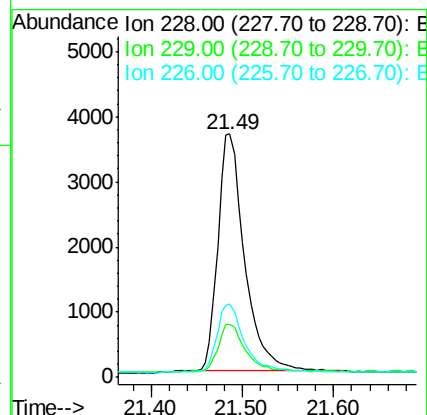
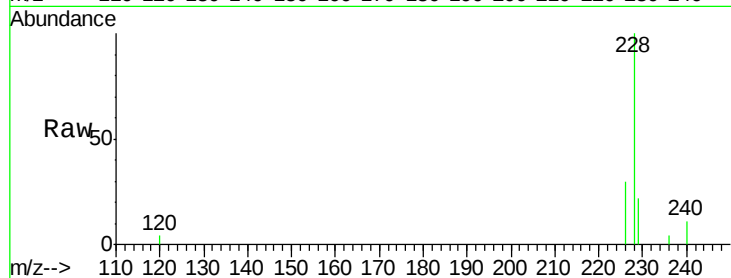
Tot Ion:228 Resp: 7393

Ion Ratio Lower Upper

228 100

229 21.7 22.8 34.2#

226 30.1 17.0 25.6#



#19

Chrysene

Concen: 0.32 ng/ul

RT: 21.49 min Scan# 3228

Delta R.T. 0.01 min

Lab File: BE094812.D

Acq: 15 Nov 2017 12:35

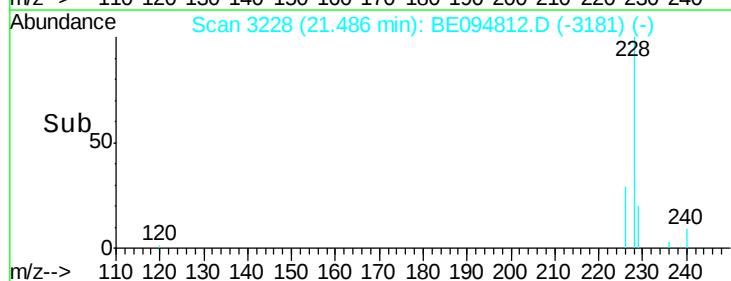
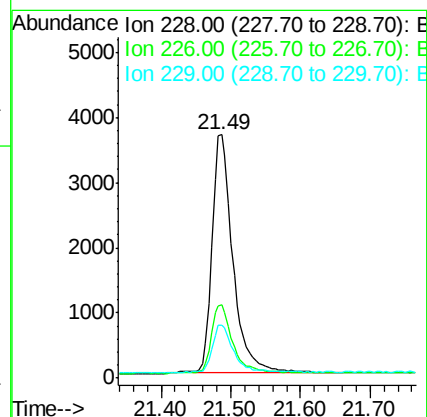
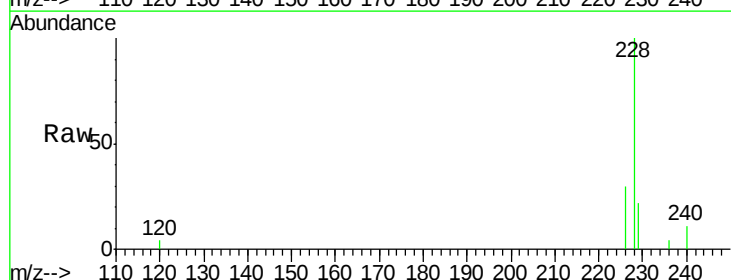
Tgt Ion:228 Resp: 7540

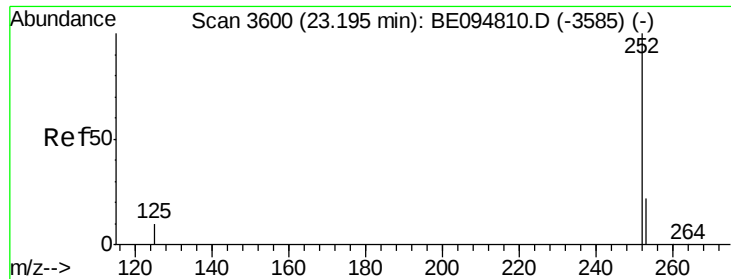
Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

229 21.7 17.7 26.5

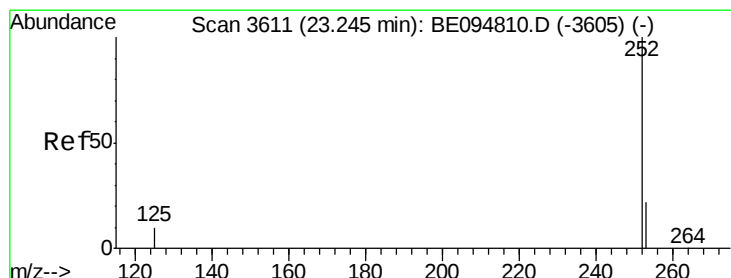
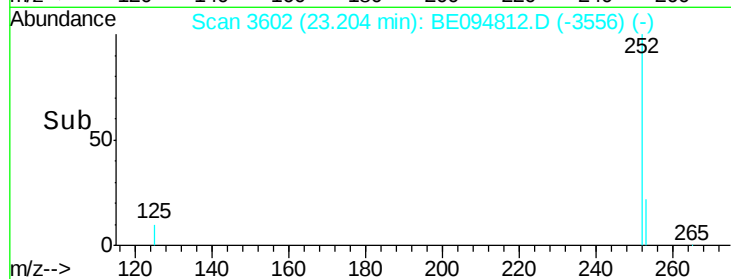
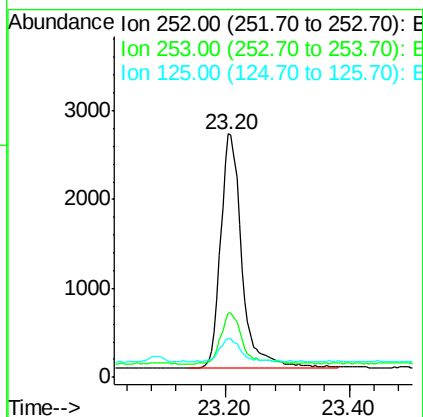
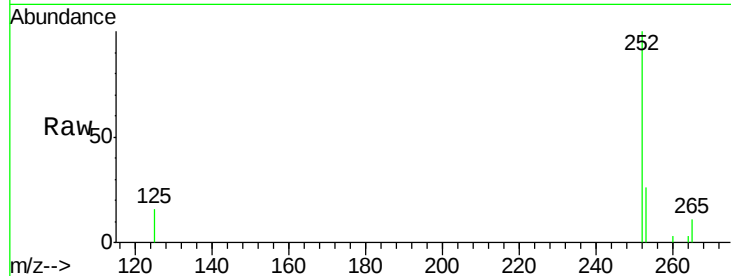




#21
Benzo(b)fluoranthene
Concen: 0.28 ng/ul
RT: 23.20 min Scan# 3602
Delta R.T. 0.01 min
Lab File: BE094812.D
Acq: 15 Nov 2017 12:35

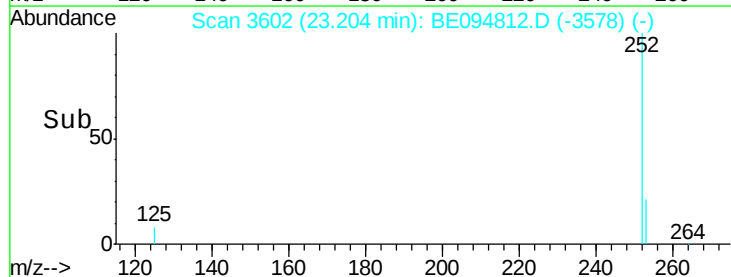
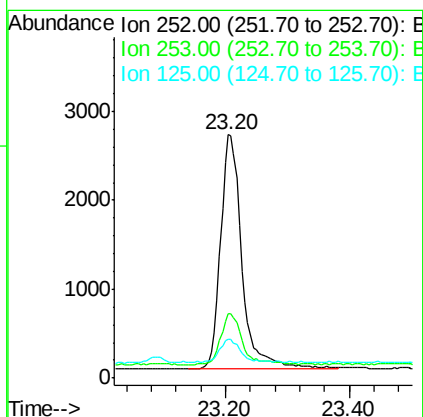
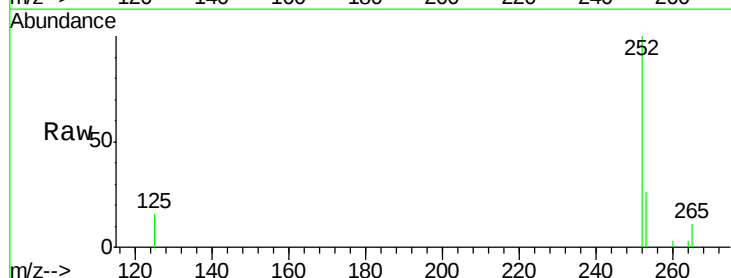
Instrument :
BNA_E
ClientSampleId :

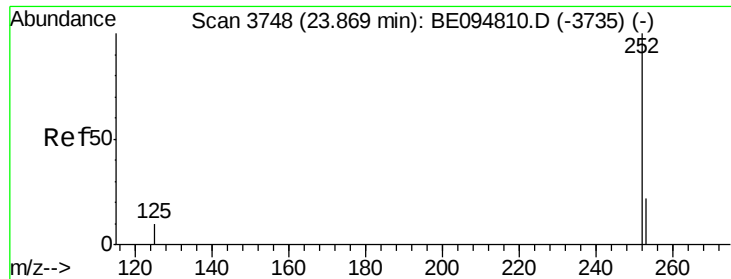
Tot Ion:252 Resp: 6329
Ion Ratio Lower Upper
252 100
253 26.5 0.0 64.2
125 15.8 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.27 ng/ul
RT: 23.20 min Scan# 3602
Delta R.T. -0.04 min
Lab File: BE094812.D
Acq: 15 Nov 2017 12:35

Tgt Ion:252 Resp: 6329
Ion Ratio Lower Upper
252 100
253 26.5 24.5 36.7
125 15.8 13.7 20.5





#23

Benzo(a)pyrene

Concen: 0.36 ng/ul

RT: 23.88 min Scan# 3750

Delta R.T. 0.01 min

Lab File: BE094812.D

Acq: 15 Nov 2017 12:35

Instrument :

BNA_E

ClientSampleId :

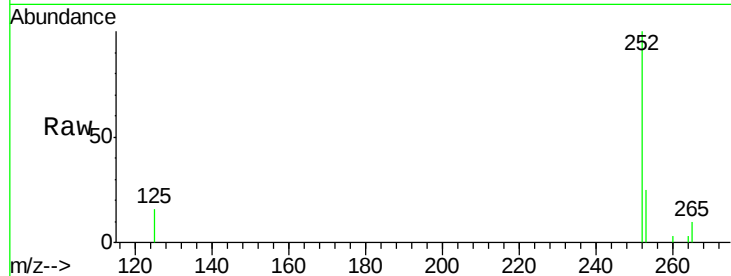
Tot Ion:252 Resp: 8063

Ion Ratio Lower Upper

252 100

253 25.4 28.5 42.7#

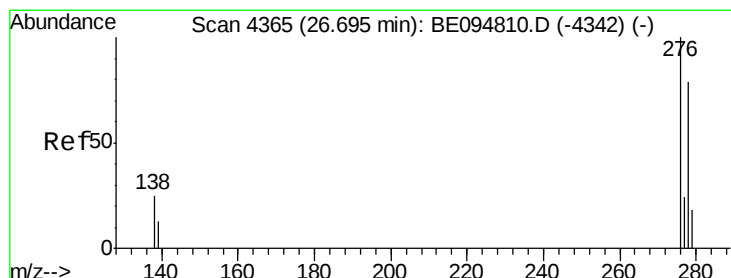
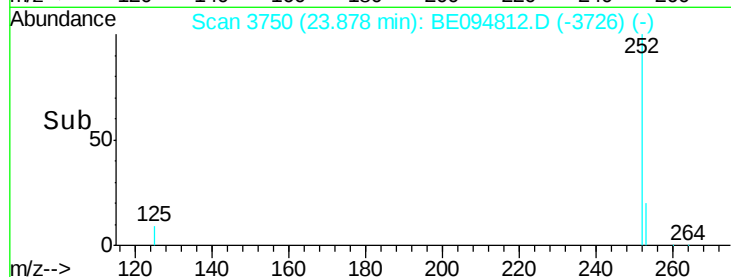
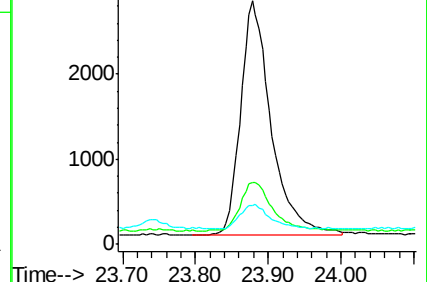
125 16.2 18.1 27.1#



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: 0.15 ng/ul

RT: 26.69 min Scan# 4364

Delta R.T. -0.00 min

Lab File: BE094812.D

Acq: 15 Nov 2017 12:35

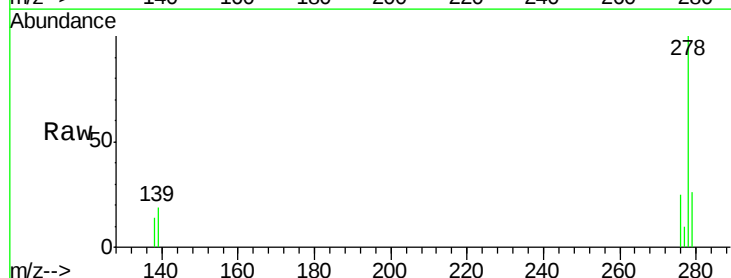
Tgt Ion:276 Resp: 3735

Ion Ratio Lower Upper

276 100

138 48.8 28.0 42.0#

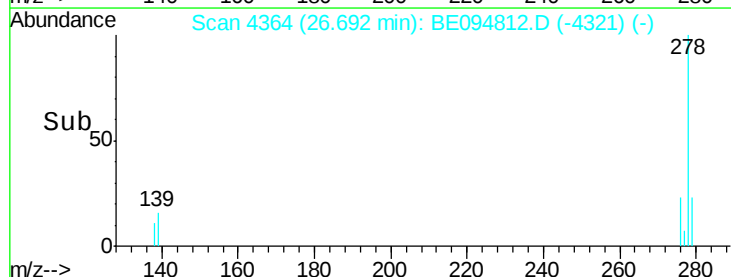
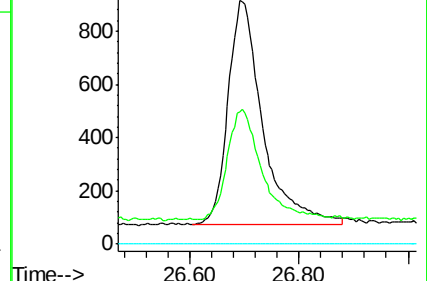
227 0.0 8.0 12.0#

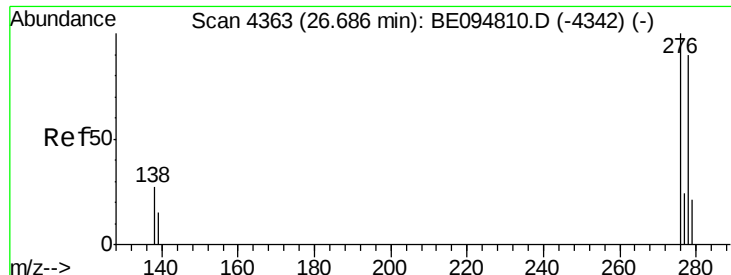


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.76 ng/ul

RT: 26.70 min Scan# 4365

Delta R.T. 0.01 min

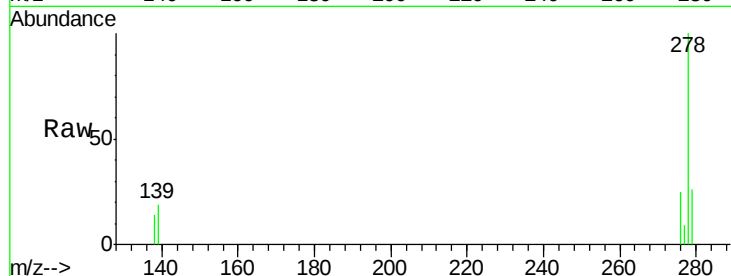
Lab File: BE094812.D

Acq: 15 Nov 2017 12:35

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 278 Resp: 15544

Ion Ratio Lower Upper

278 100

139 19.1 17.4 26.0

279 26.2 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

