

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
 Data File : BE094554.D
 Acq On : 26 Oct 2017 4:05
 Operator : SJ/JU
 Sample : I5747-08 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 26 12:01:21 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 18:44:03 2017
 Response via : Initial Calibration

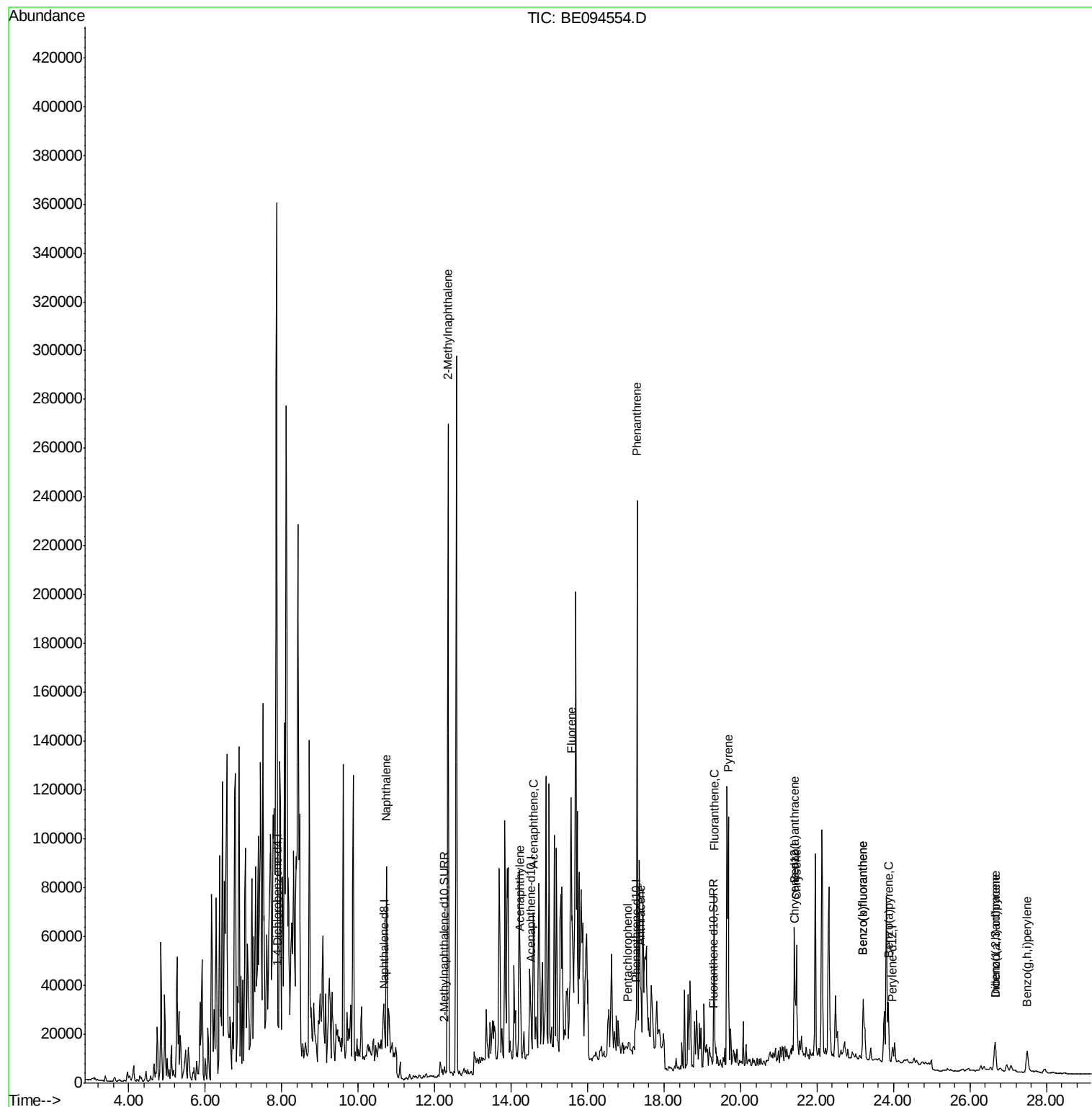
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2194	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	8492	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.52	164	6974	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9135	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	9421	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	9879	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.25	152	1697	0.12	ng/ul	-0.04
14) Fluoranthene-d10	19.28	212	3786	0.14	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	121123	5.834	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	223819	15.408	ng/ul	99
7) Acenaphthylene	14.24	152	17055	0.541	ng/ul#	1
8) Acenaphthene	14.58	153	40094	1.769	ng/ul#	89
9) Fluorene	15.57	166	67186	2.639	ng/ul	88
11) Pentachlorophenol	17.05	266	190	0.417	ng/ul#	56
12) Phenanthrene	17.29	178	283770	11.761	ng/ul#	89
13) Anthracene	17.39	178	31690	1.331	ng/ul#	87
15) Fluoranthene	19.31	202	81039	2.905	ng/ul	84
17) Pyrene	19.68	202	117191	4.024	ng/ul#	83
18) Benzo(a)anthracene	21.41	228	46355	1.721	ng/ul#	84
19) Chrysene	21.46	228	52657	1.892	ng/ul#	86
21) Benzo(b)fluoranthene	23.21	252	60268	2.169	ng/ul	84
22) Benzo(k)fluoranthene	23.21	252	60268	2.024	ng/ul#	85
23) Benzo(a)pyrene	23.86	252	37066	1.334	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	26.66	276	23861	0.830	ng/ul#	77
25) Dibenzo(a,h)anthracene	26.65	278	6301	0.260	ng/ul#	29
26) Benzo(g,h,i)perylene	27.49	276	24038	1.041	ng/ul#	88

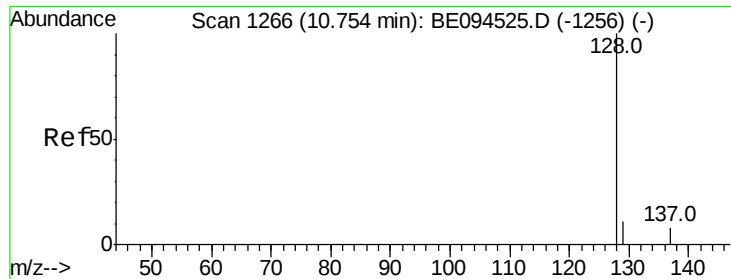
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 5.834 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

Instrument :

BNA_E

ClientSampleId :

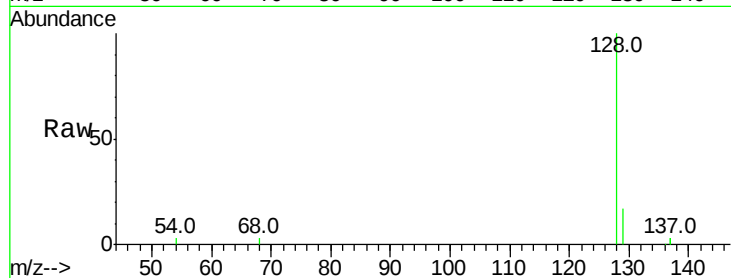
Tot Ion:128 Resp: 121123

Ion Ratio Lower Upper

128 100

129 16.7 11.3 16.9

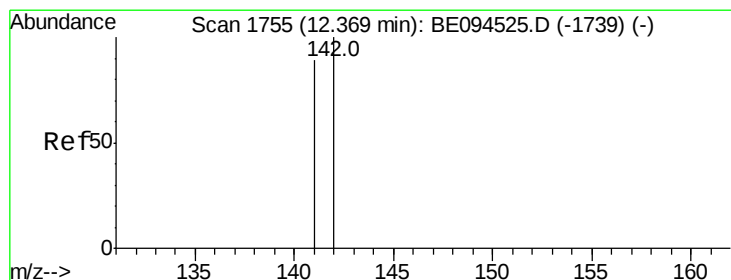
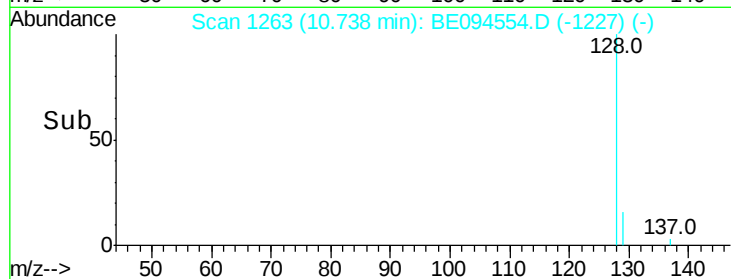
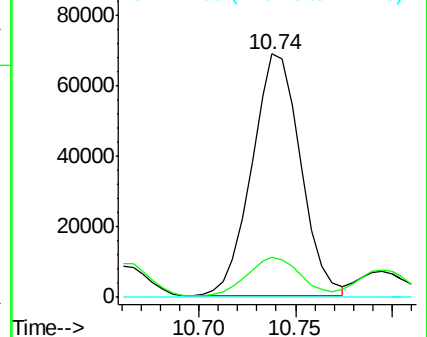
127 0.0 4.0 6.0#



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: 15.408 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BE094554.D

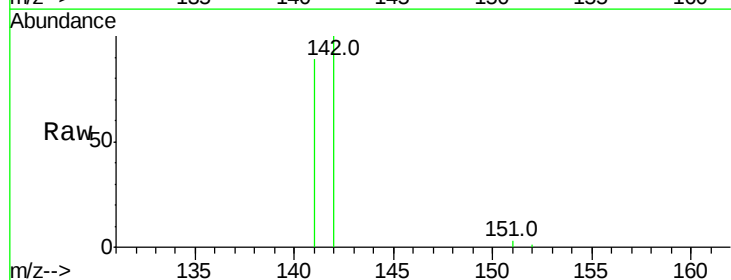
Acq: 26 Oct 2017 4:05

Tgt Ion:142 Resp: 223819

Ion Ratio Lower Upper

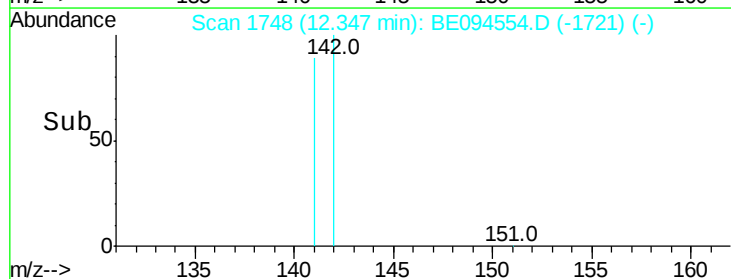
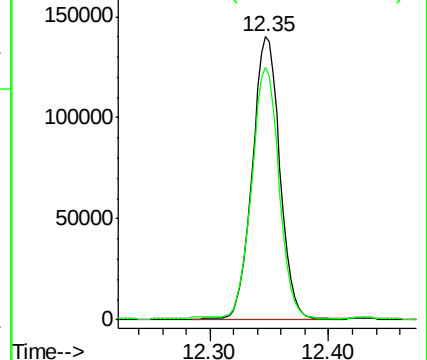
142 100

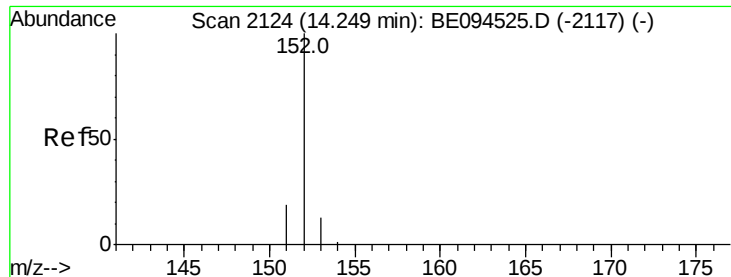
141 89.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.541 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.00 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

Instrument :

BNA_E

ClientSampleId :

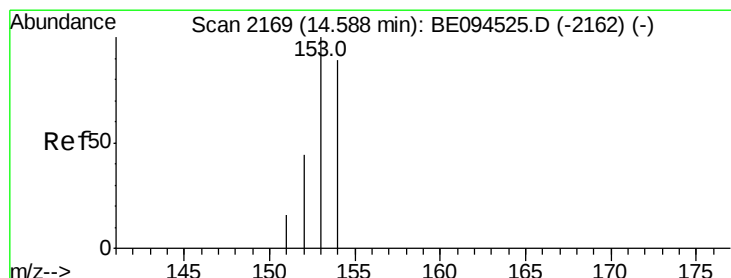
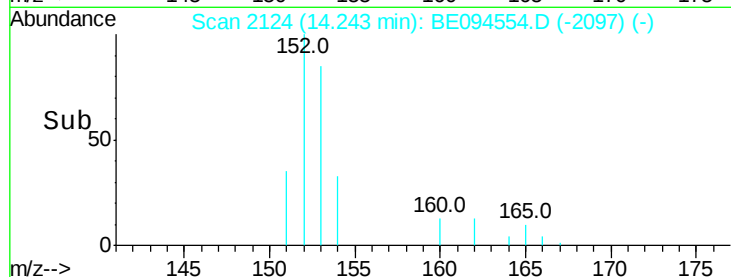
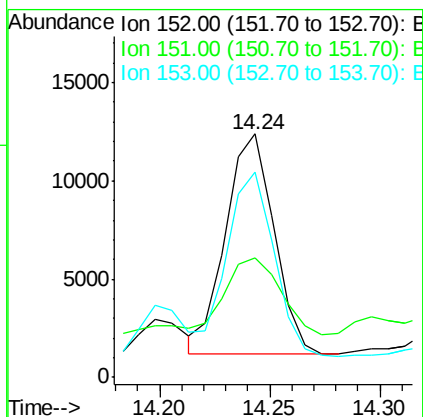
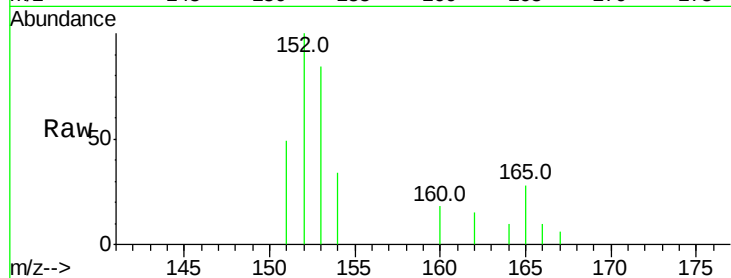
Tot Ion:152 Resp: 17055

Ion Ratio Lower Upper

152 100

151 49.0 17.1 25.7#

153 84.2 12.8 19.2#



#8

Acenaphthene

Concen: 1.769 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

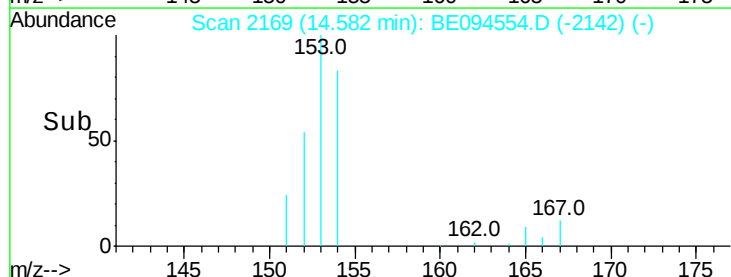
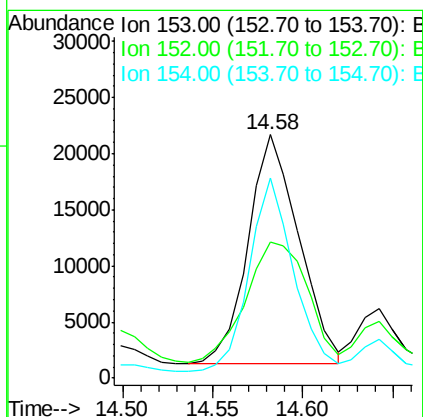
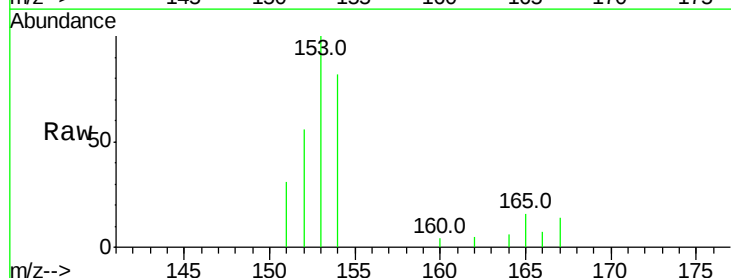
Tgt Ion:153 Resp: 40094

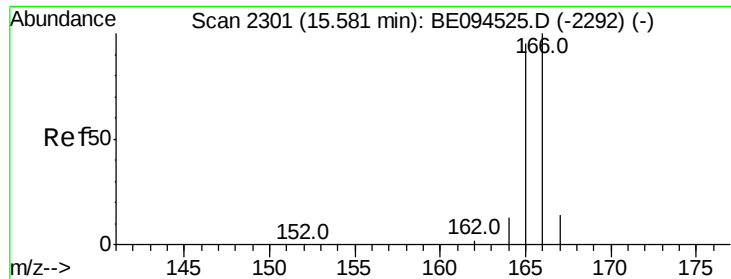
Ion Ratio Lower Upper

153 100

152 56.1 36.0 54.0#

154 82.2 72.0 108.0

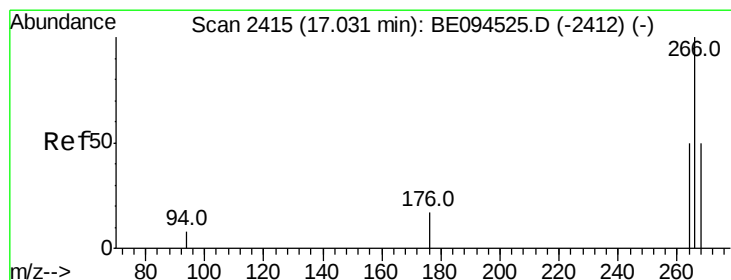
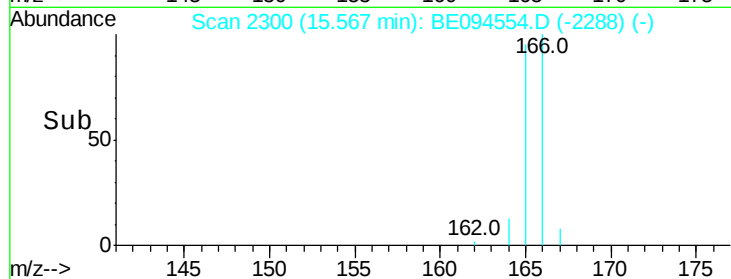
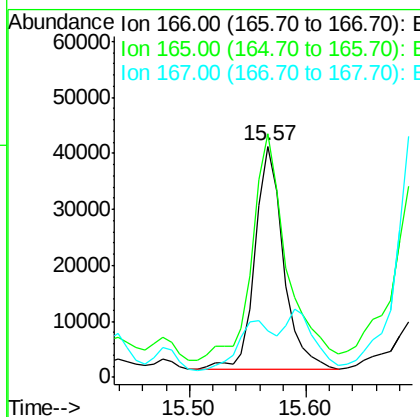
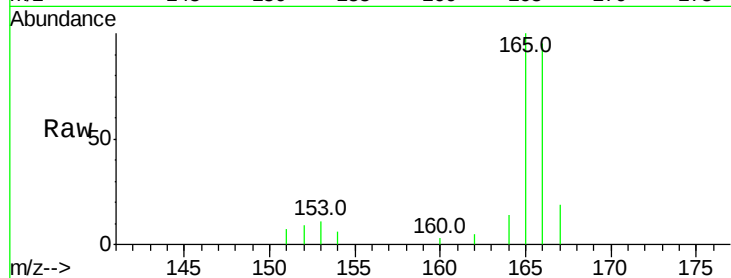




#9
Fluorene
 Concen: 2.639 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094554.D
 Acq: 26 Oct 2017 4:05

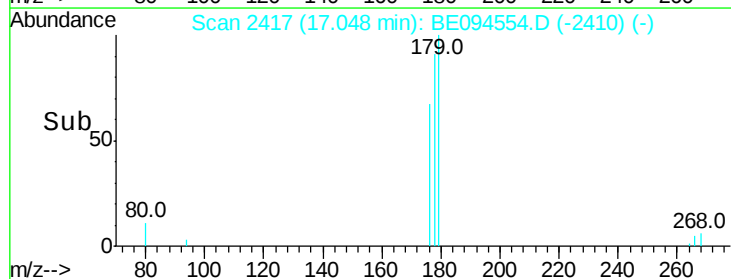
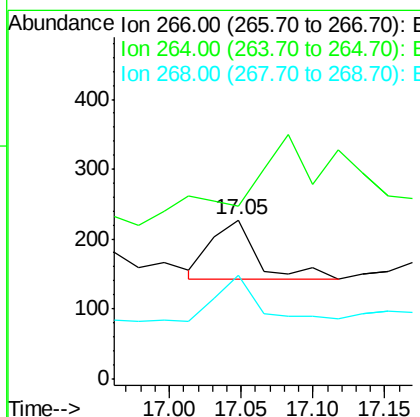
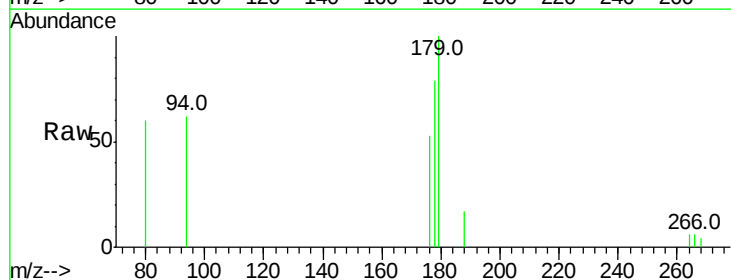
Instrument :
 BNA_E
 ClientSampleId :

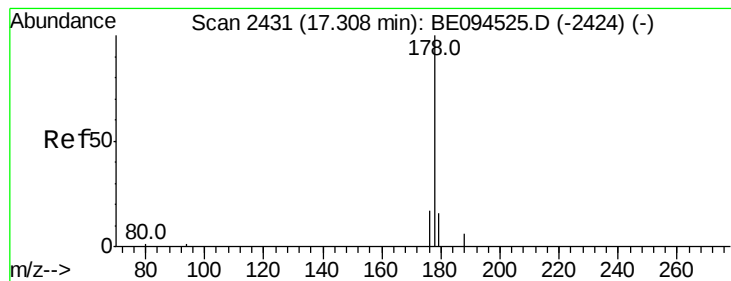
Tot Ion:166 Resp: 67186
 Ion Ratio Lower Upper
 166 100
 165 105.3 73.4 110.2
 167 20.2 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.417 ng/ul
 RT: 17.05 min Scan# 2417
 Delta R.T. 0.02 min
 Lab File: BE094554.D
 Acq: 26 Oct 2017 4:05

Tgt Ion:266 Resp: 190
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 70.5 49.8 74.8





#12

Phenanthrene

Concen: 11.761 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

Instrument :

BNA_E

ClientSampleId :

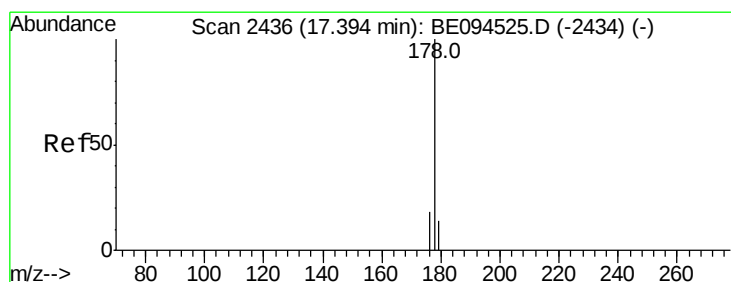
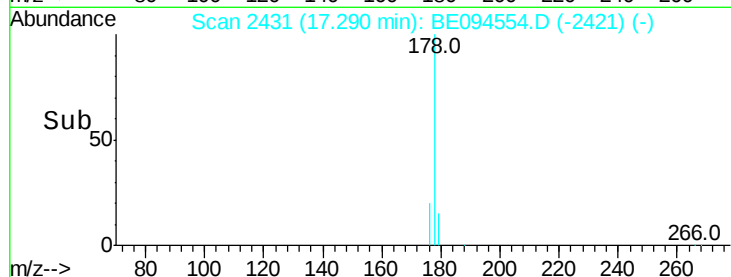
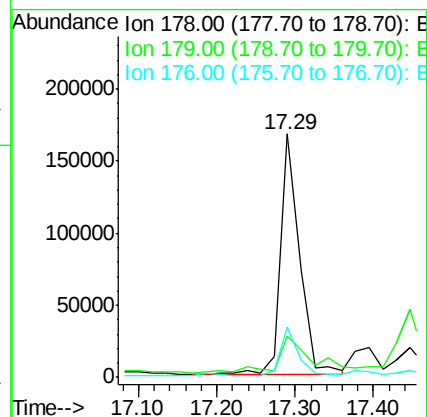
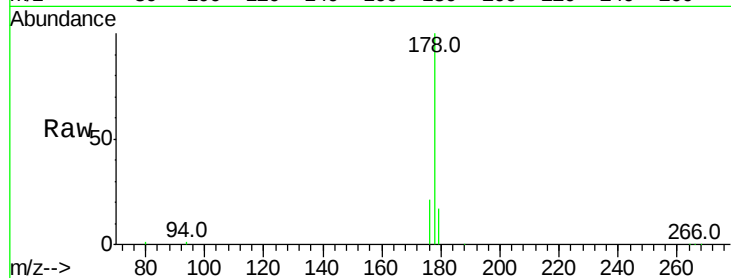
Tot Ion:178 Resp: 283770

Ion Ratio Lower Upper

178 100

179 17.1 18.4 27.6#

176 20.6 13.6 20.4#



#13

Anthracene

Concen: 1.331 ng/ul

RT: 17.39 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

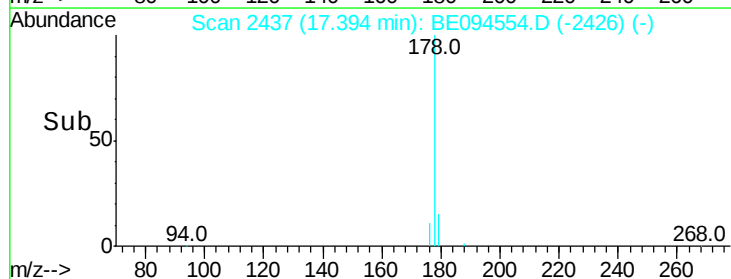
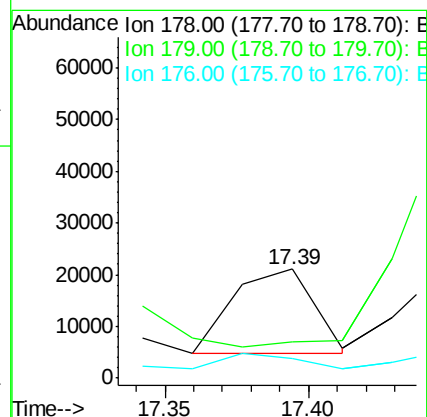
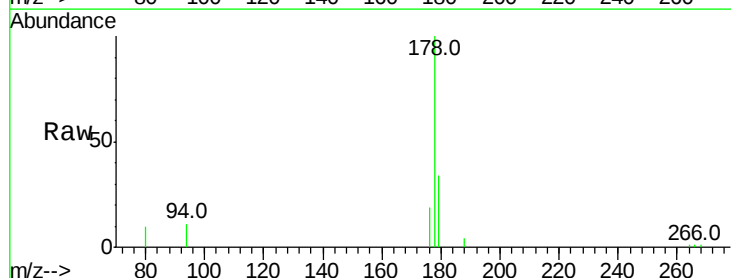
Tgt Ion:178 Resp: 31690

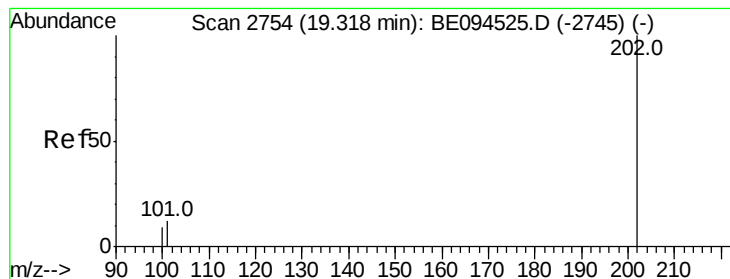
Ion Ratio Lower Upper

178 100

179 33.6 18.1 27.1#

176 18.5 14.7 22.1





#15

Fluoranthene

Concen: 2.905 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

Instrument :

BNA_E

ClientSampleId :

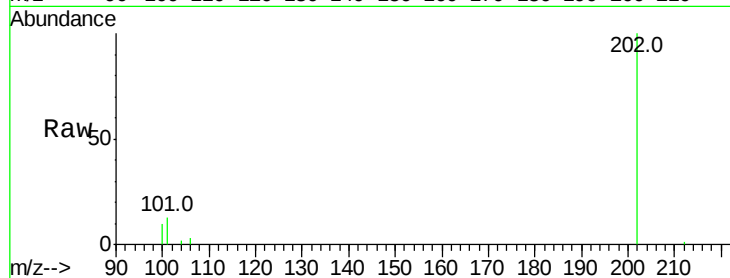
Tot Ion:202 Resp: 81039

Ion Ratio Lower Upper

202 100

101 12.7 0.0 30.3

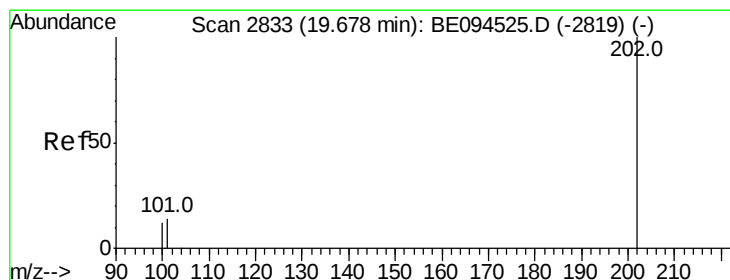
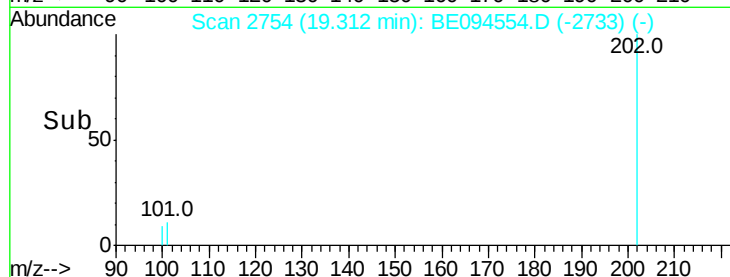
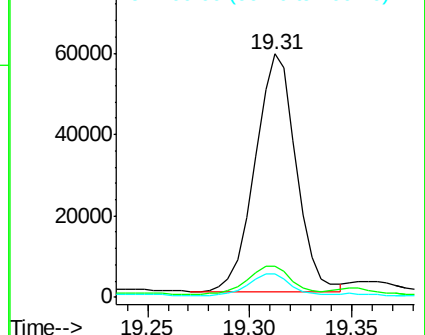
100 9.7 0.0 39.5



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: 4.024 ng/ul

RT: 19.68 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

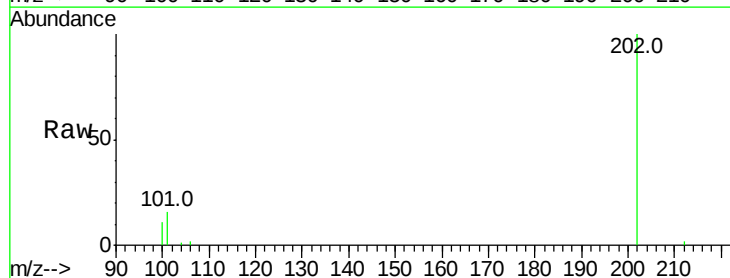
Tgt Ion:202 Resp: 117191

Ion Ratio Lower Upper

202 100

101 15.5 18.2 27.4#

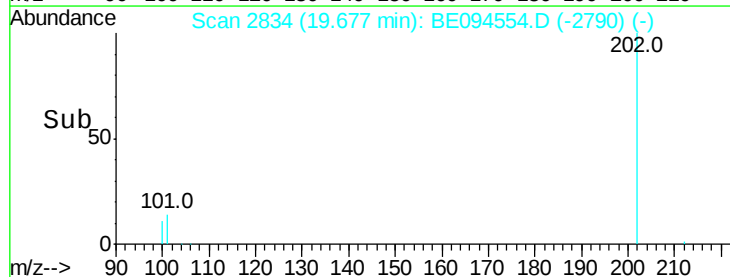
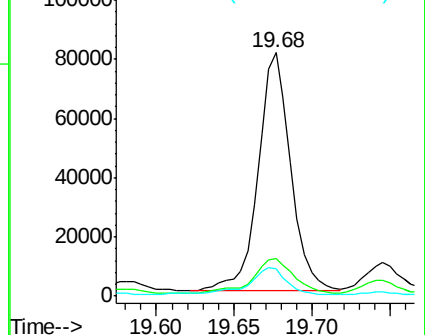
100 11.0 15.6 23.4#

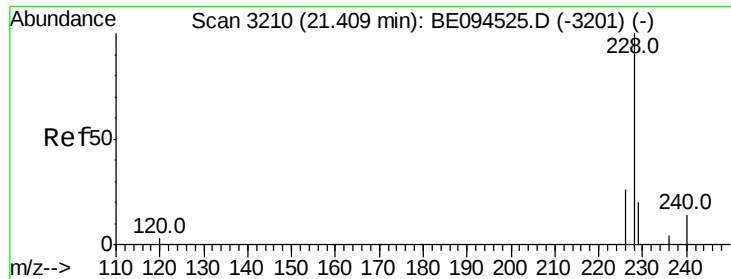


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

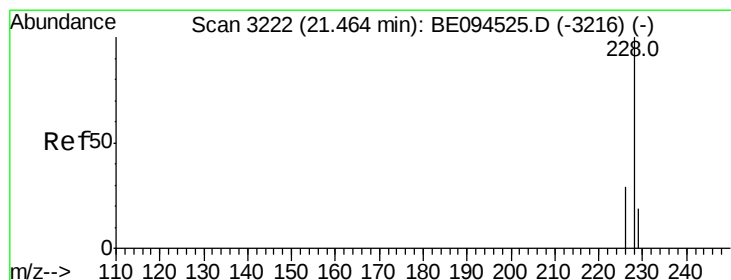
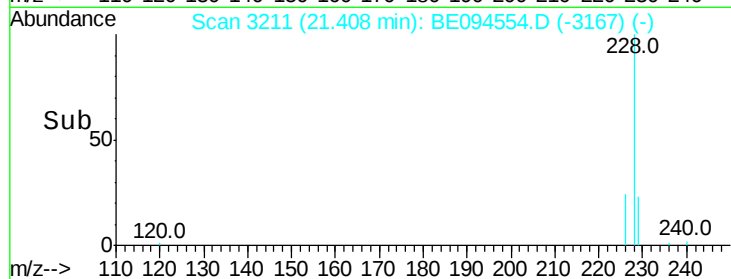
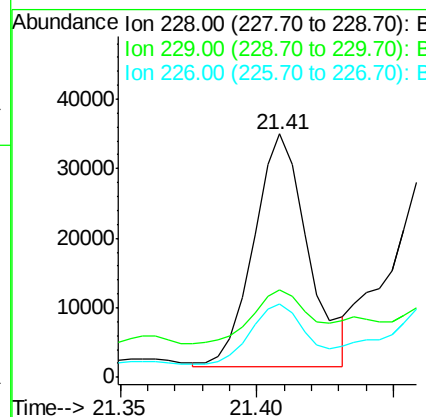
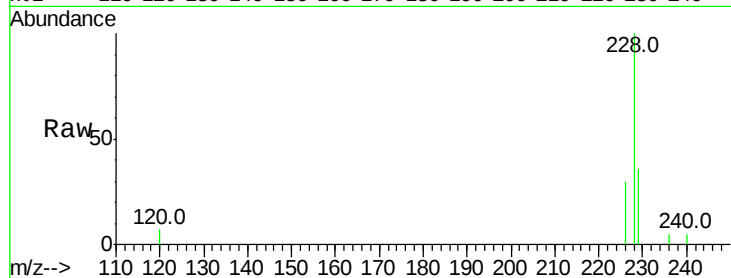




#18
Benzo(a)anthracene
Concen: 1.721 ng/ul
RT: 21.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: BE094554.D
Acq: 26 Oct 2017 4:05

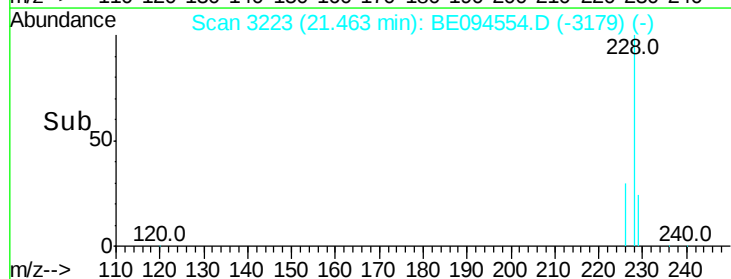
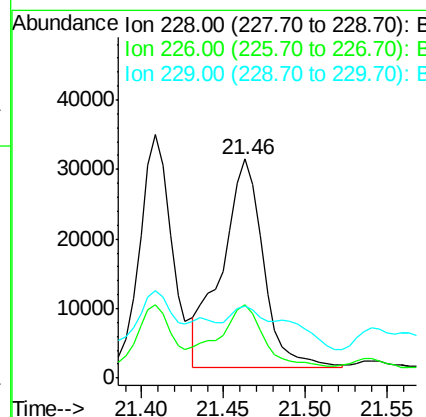
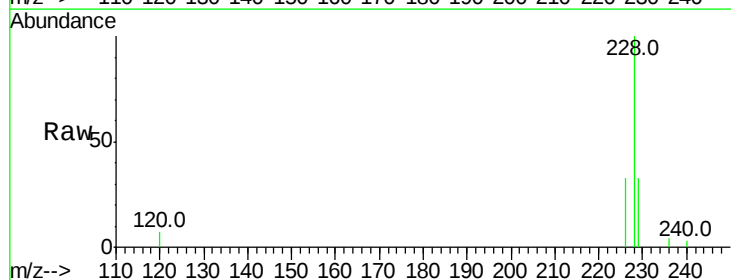
Instrument :
BNA_E
ClientSampleId :

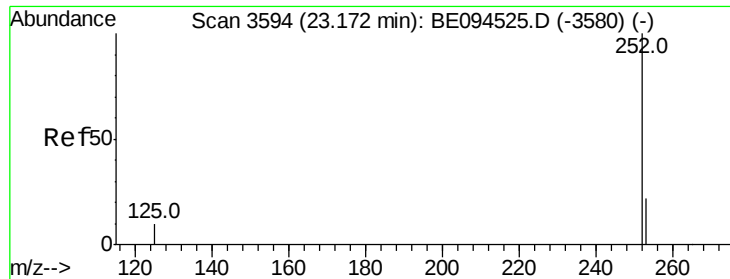
Tot Ion:228 Resp: 46355
Ion Ratio Lower Upper
228 100
229 35.7 22.8 34.2#
226 30.3 17.0 25.6#



#19
Chrysene
Concen: 1.892 ng/ul
RT: 21.46 min Scan# 3223
Delta R.T. -0.00 min
Lab File: BE094554.D
Acq: 26 Oct 2017 4:05

Tgt Ion:228 Resp: 52657
Ion Ratio Lower Upper
228 100
226 33.3 23.4 35.0
229 33.1 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 2.169 ng/ul

RT: 23.21 min Scan# 3603

Delta R.T. 0.04 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

Instrument :

BNA_E

ClientSampleId :

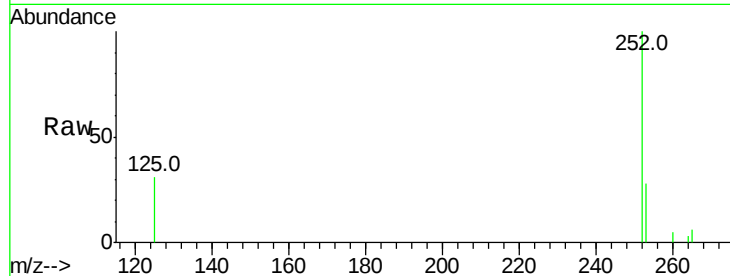
Tot Ion:252 Resp: 60268

Ion Ratio Lower Upper

252 100

253 28.3 0.0 64.2

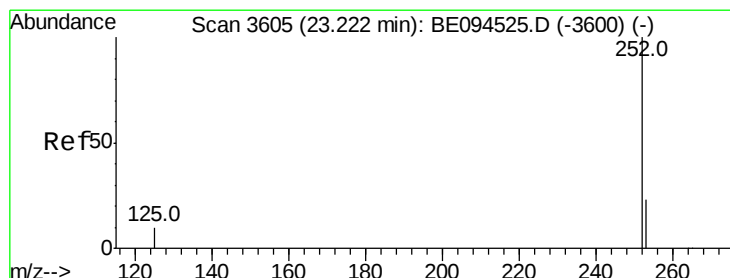
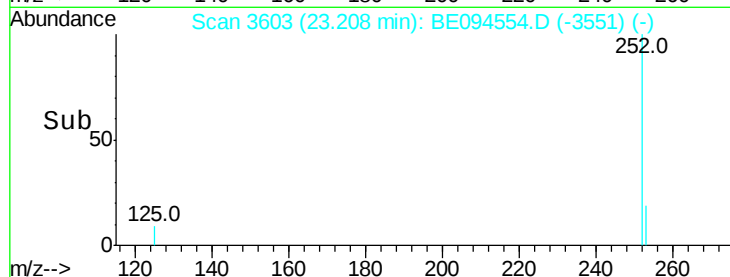
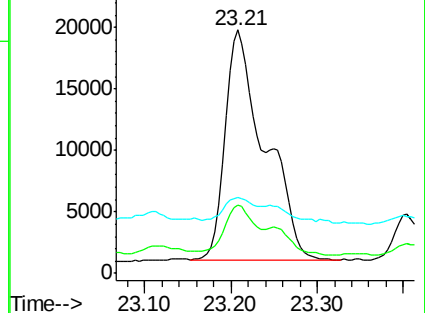
125 31.4 0.0 35.0



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: 2.024 ng/ul

RT: 23.21 min Scan# 3603

Delta R.T. -0.01 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

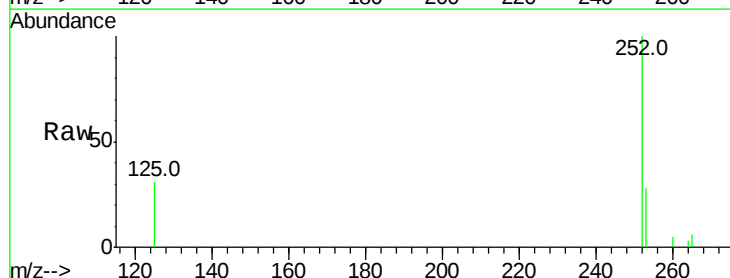
Tgt Ion:252 Resp: 60268

Ion Ratio Lower Upper

252 100

253 28.3 24.5 36.7

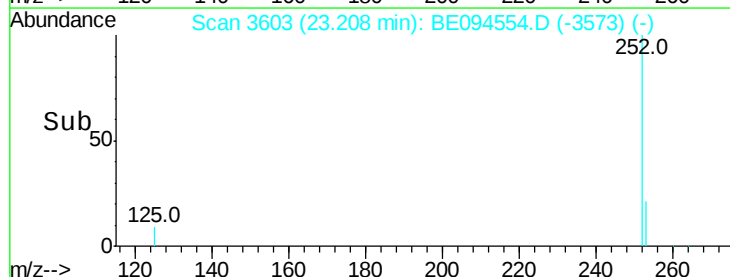
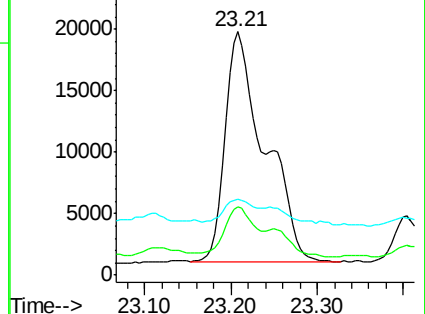
125 31.4 13.7 20.5#

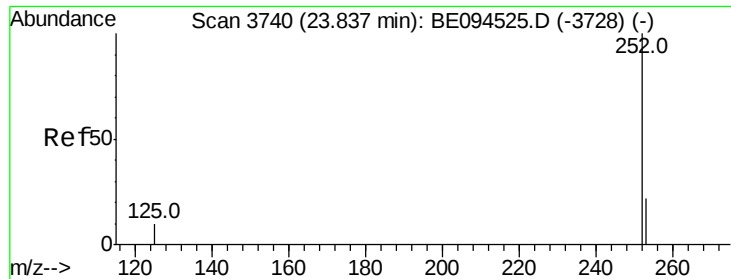


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.334 ng/ul

RT: 23.86 min Scan# 3747

Delta R.T. 0.02 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

Instrument :

BNA_E

ClientSampleId :

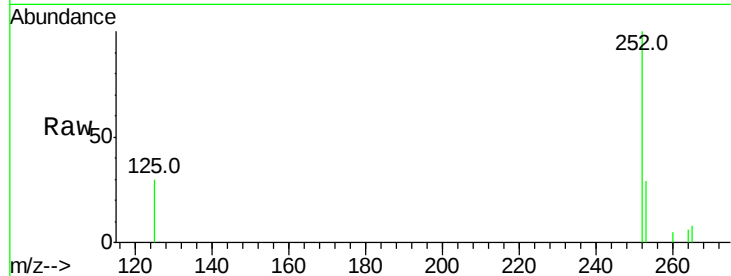
Tot Ion:252 Resp: 37066

Ion Ratio Lower Upper

252 100

253 28.7 28.5 42.7

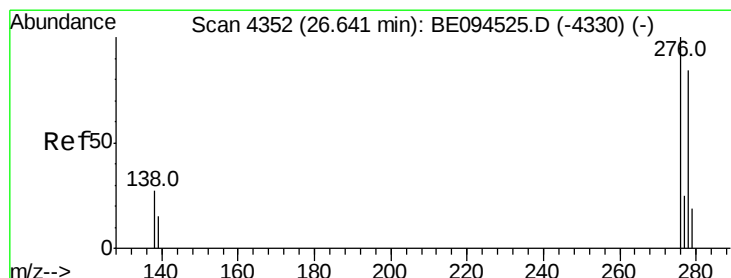
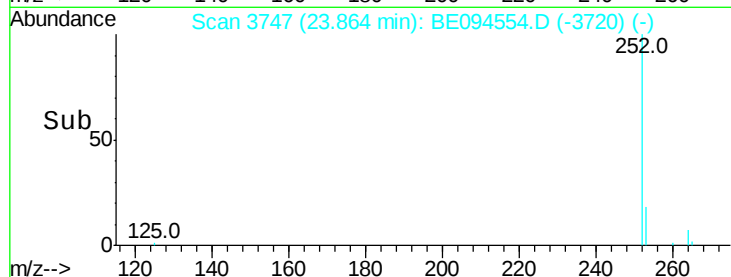
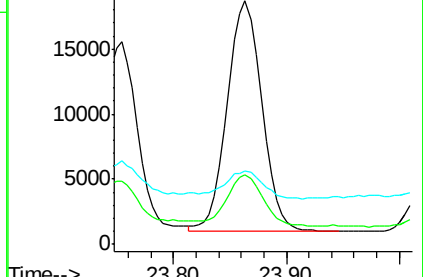
125 29.9 18.1 27.1#



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: 0.830 ng/ul

RT: 26.66 min Scan# 4358

Delta R.T. 0.02 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

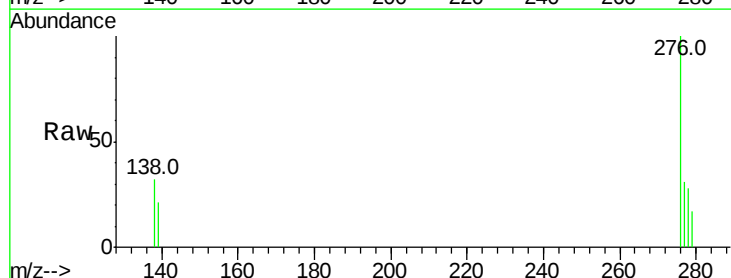
Tgt Ion:276 Resp: 23861

Ion Ratio Lower Upper

276 100

138 22.2 28.0 42.0#

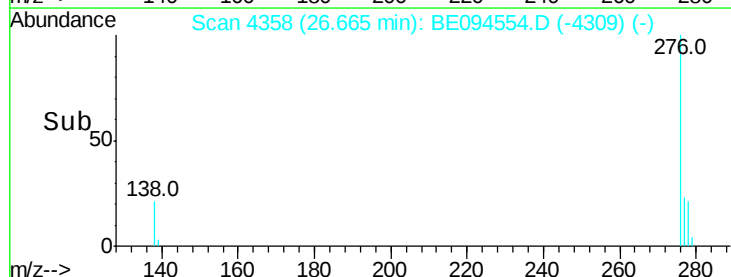
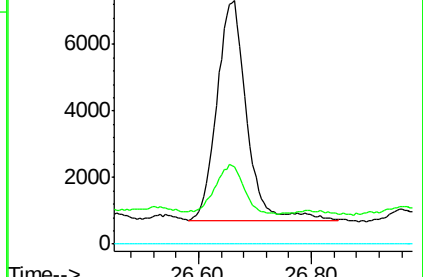
227 0.0 8.0 12.0#

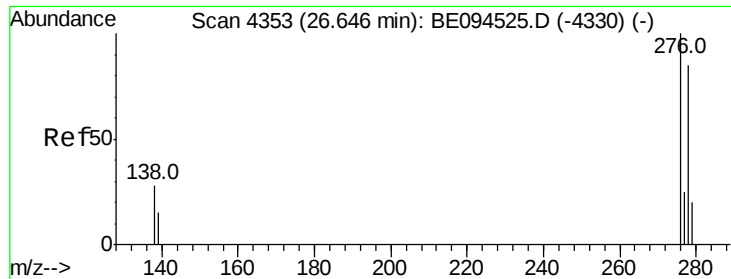


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.260 ng/ul

RT: 26.65 min Scan# 4355

Delta R.T. 0.01 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

Instrument :

BNA_E

ClientSampleId :

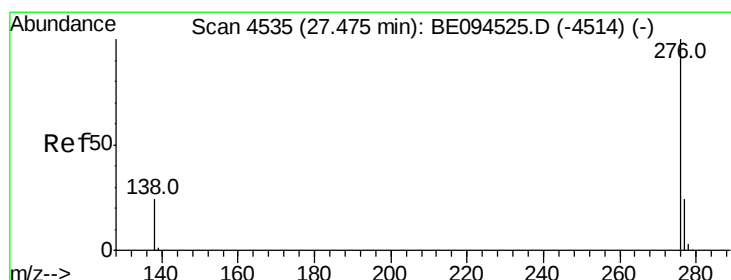
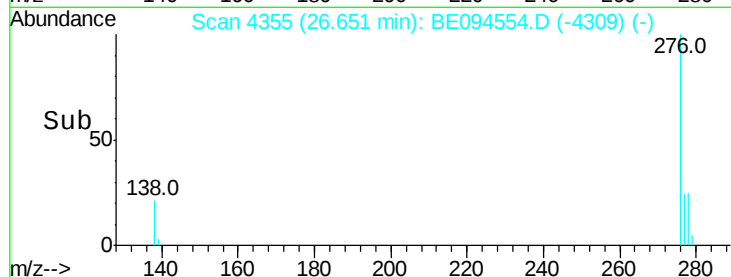
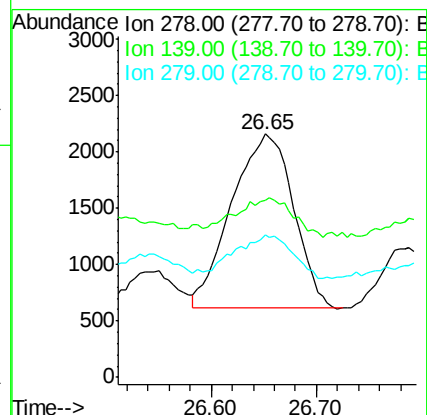
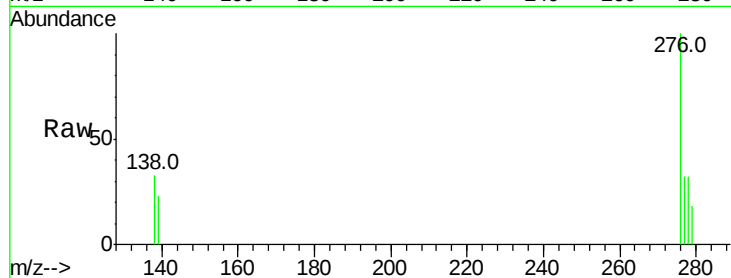
Tot Ion:278 Resp: 6301

Ion Ratio Lower Upper

278 100

139 72.7 17.4 26.0#

279 58.3 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 1.041 ng/ul

RT: 27.49 min Scan# 4540

Delta R.T. 0.01 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

Tgt Ion:276 Resp: 24038

Ion Ratio Lower Upper

276 100

138 32.8 21.8 32.8#

277 32.5 20.5 30.7#

