

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094274.D
 Acq On : 11 Oct 2017 5:18
 Operator : SJ/JU
 Sample : I5522-02DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 08:28:00 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 08:24:24 2017
 Response via : Initial Calibration

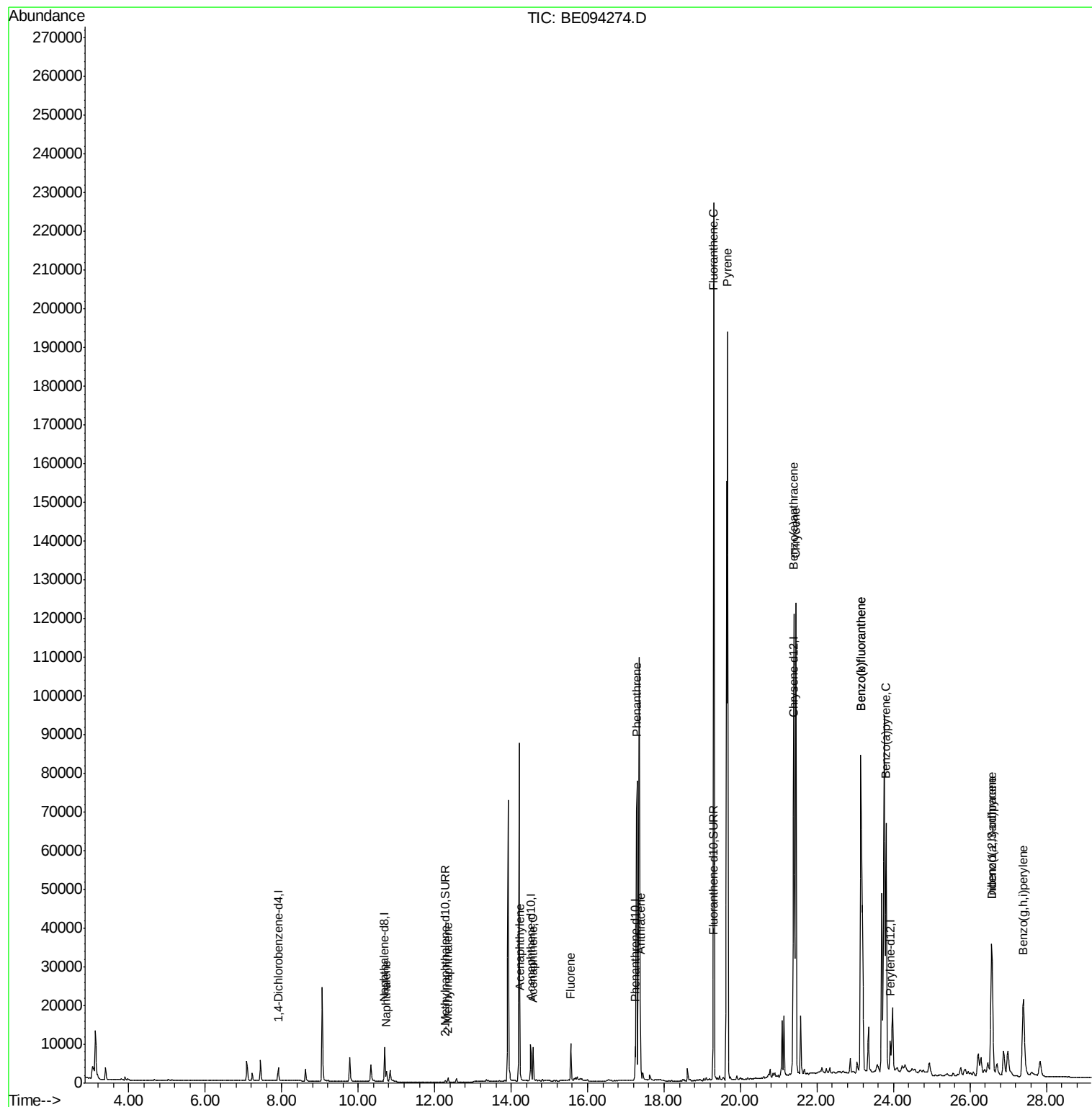
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1844	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	9517	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	5281	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	11575	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	12096	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	11121	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	729	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	1755	0.05	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	3882	0.167	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	1231	0.081	ng/ul	99
7) Acenaphthylene	14.24	152	1016	0.049	ng/ul#	84
8) Acenaphthene	14.57	153	5066	0.299	ng/ul	97
9) Fluorene	15.56	166	6269	0.316	ng/ul	93
12) Phenanthrene	17.29	178	118641	3.922	ng/ul#	92
13) Anthracene	17.38	178	26076	0.886	ng/ul#	92
15) Fluoranthene	19.30	202	255693	6.433	ng/ul	84
17) Pyrene	19.66	202	210392	6.251	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	111394	3.471	ng/ul#	86
19) Chrysene	21.44	228	123835	3.342	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	202741	6.711	ng/ul	85
22) Benzo(k)fluoranthene	23.15	252	202762	5.807	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	96981	3.089	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.57	276	63462	1.976	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.57	278	16114	0.598	ng/ul	94
26) Benzo(a,h,i)perylene	27.40	276	52113	1.881	ng/ul	99

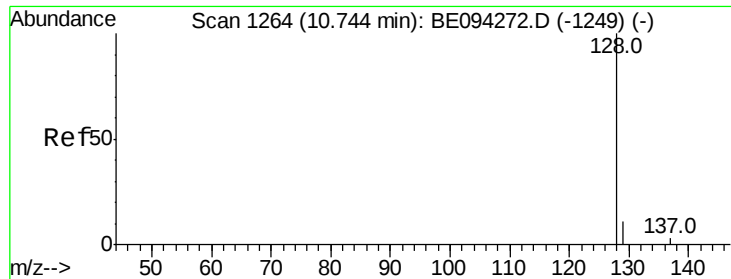
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 11 08:24:24 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.167 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094274.D

Acq: 11 Oct 2017 5:18

Instrument :

BNA_E

ClientSampleId :

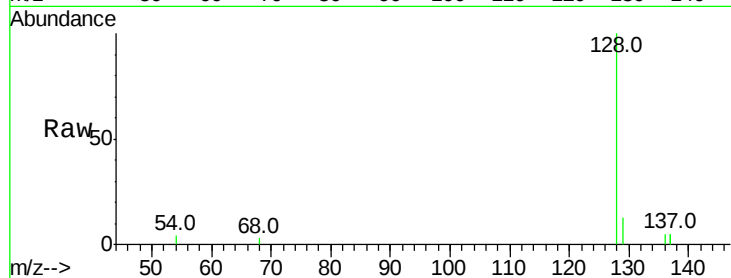
Tot Ion:128 Resp: 3882

Ion Ratio Lower Upper

128 100

129 12.9 11.3 16.9

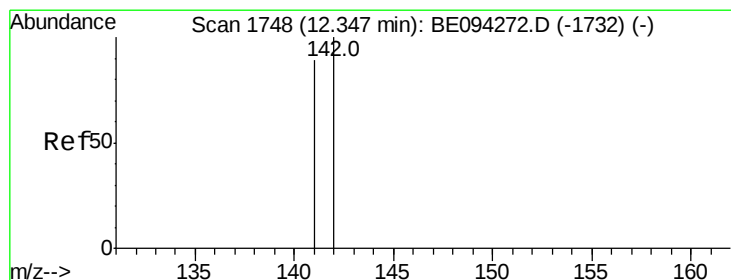
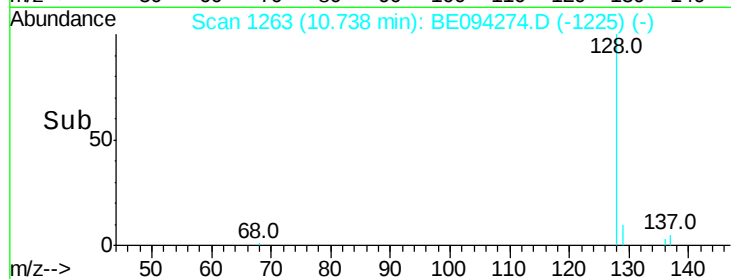
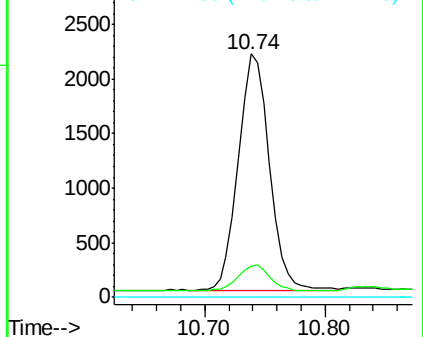
127 0.0 4.0 6.0#



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: 0.081 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BE094274.D

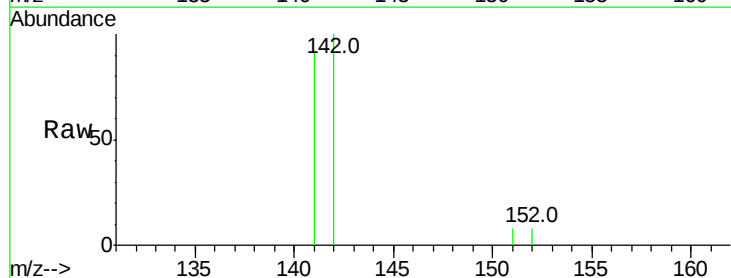
Acq: 11 Oct 2017 5:18

Tgt Ion:142 Resp: 1231

Ion Ratio Lower Upper

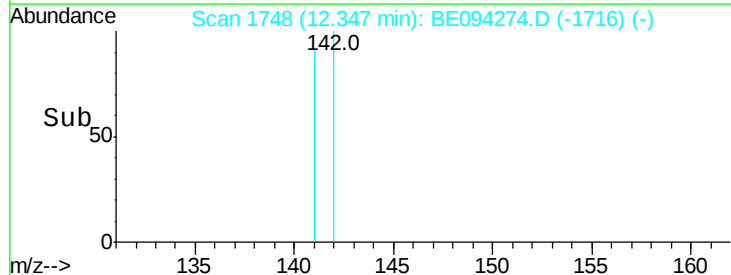
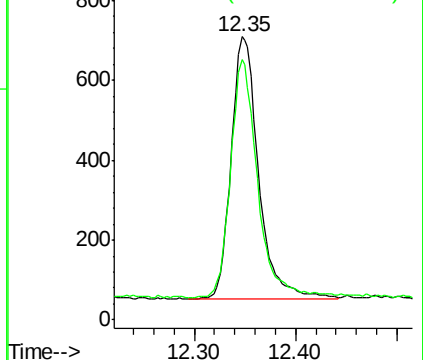
142 100

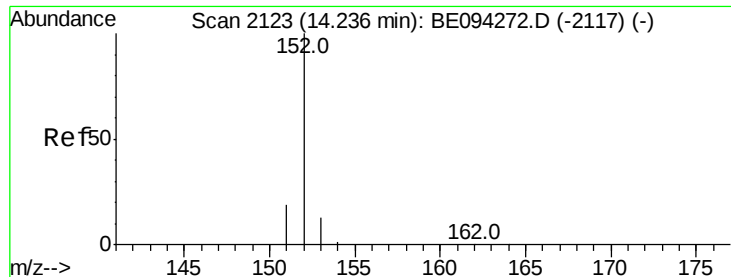
141 89.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.049 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094274.D

Acq: 11 Oct 2017 5:18

Instrument :

BNA_E

ClientSampleId :

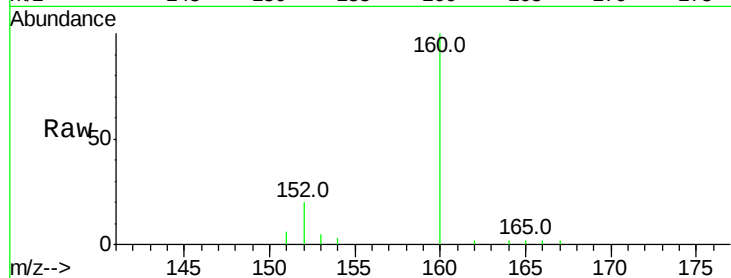
Tot Ion:152 Resp: 1016

Ion Ratio Lower Upper

152 100

151 27.9 17.1 25.7#

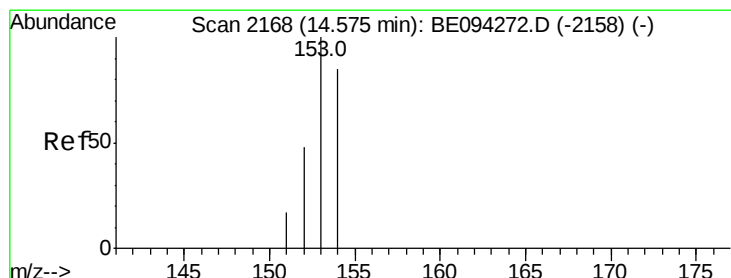
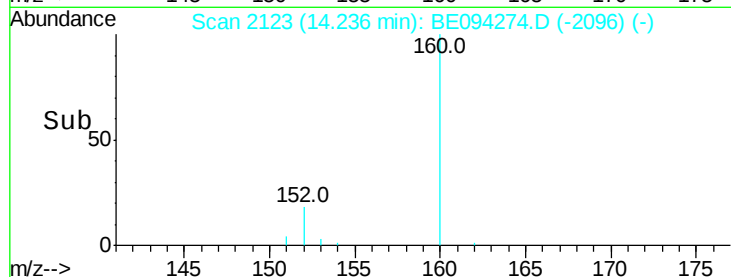
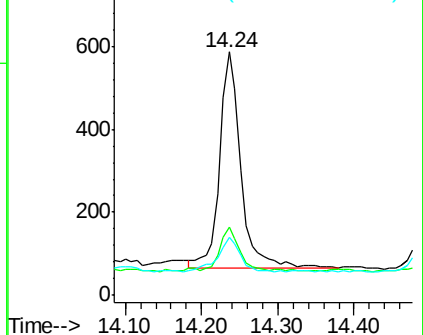
153 24.0 12.8 19.2#



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: 0.299 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE094274.D

Acq: 11 Oct 2017 5:18

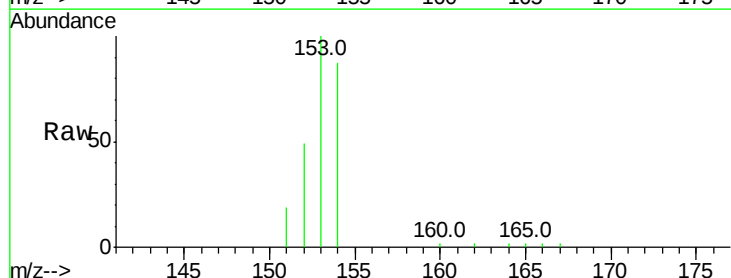
Tgt Ion:153 Resp: 5066

Ion Ratio Lower Upper

153 100

152 48.7 40.3 60.5

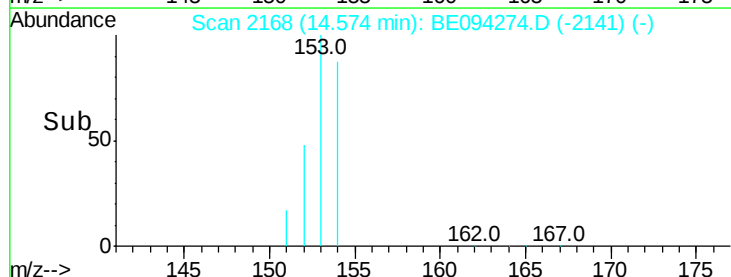
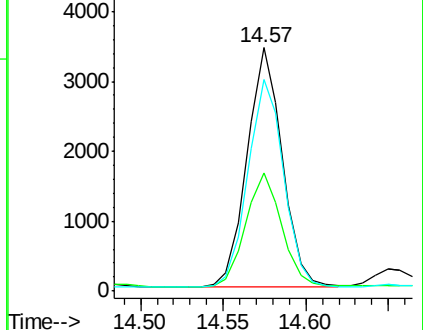
154 86.9 71.4 107.2

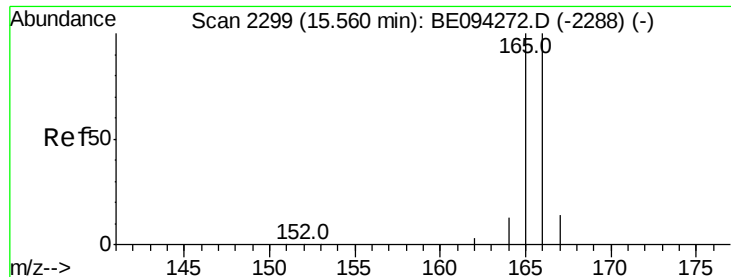


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.316 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BE094274.D

Acq: 11 Oct 2017 5:18

Instrument :

BNA_E

ClientSampleId :

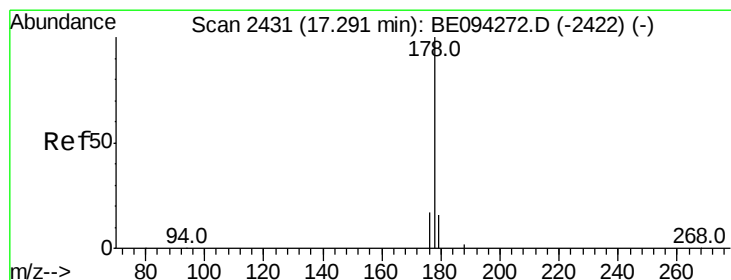
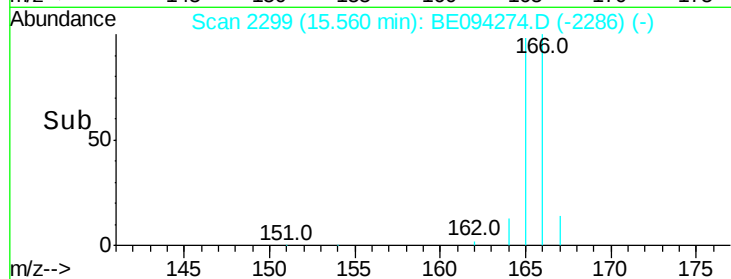
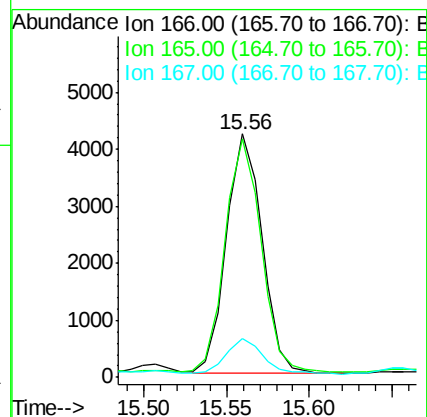
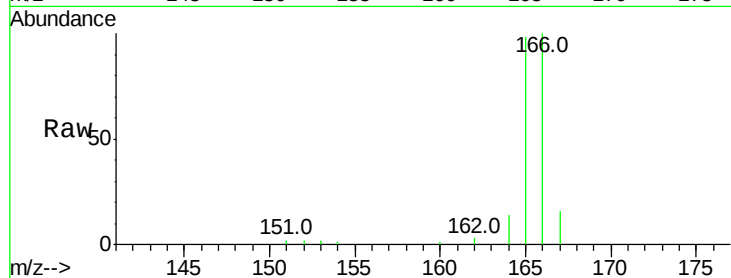
Tot Ion:166 Resp: 6269

Ion Ratio Lower Upper

166 100

165 98.2 73.4 110.2

167 15.8 14.6 22.0



#12

Phenanthrene

Concen: 3.922 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BE094274.D

Acq: 11 Oct 2017 5:18

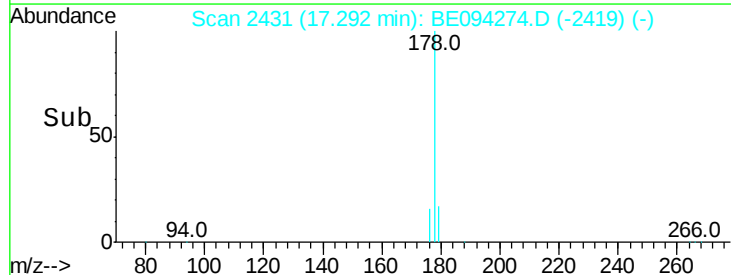
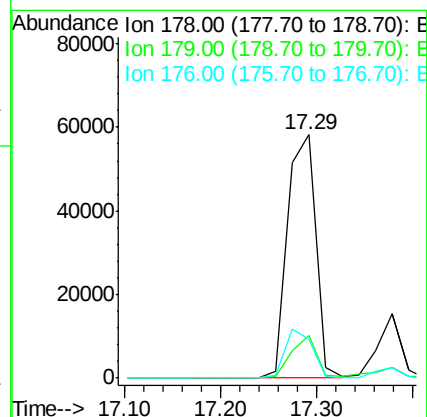
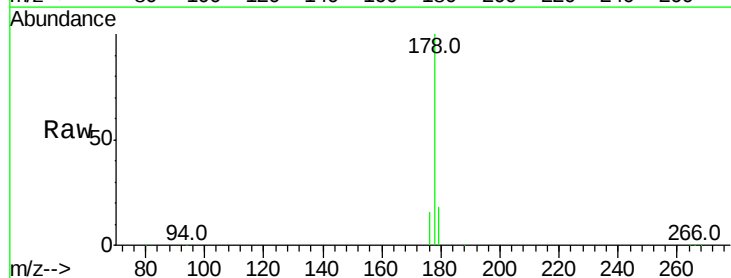
Tgt Ion:178 Resp: 118641

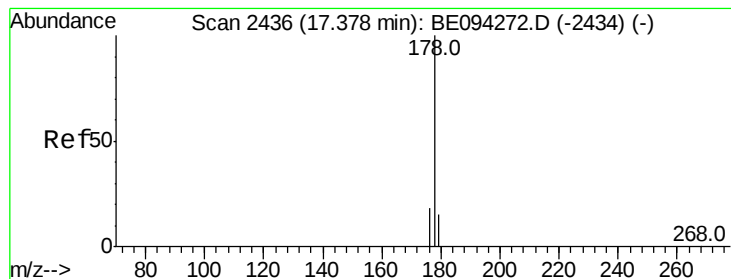
Ion Ratio Lower Upper

178 100

179 17.6 18.4 27.6#

176 15.8 13.6 20.4





#13

Anthracene

Concen: 0.886 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BE094274.D

Acq: 11 Oct 2017 5:18

Instrument :

BNA_E

ClientSampleId :

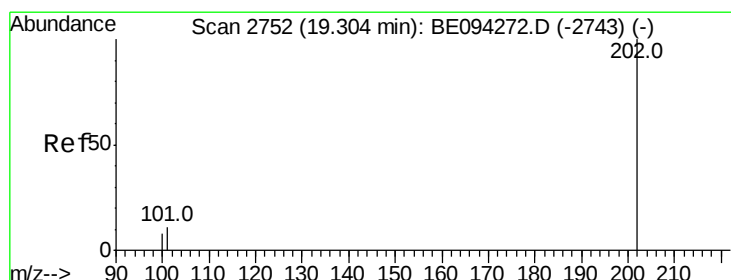
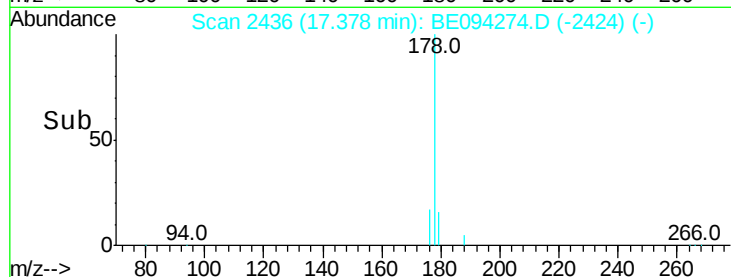
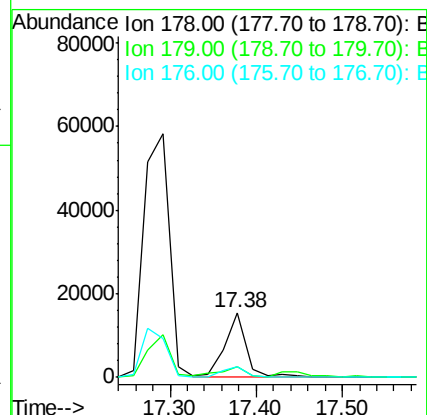
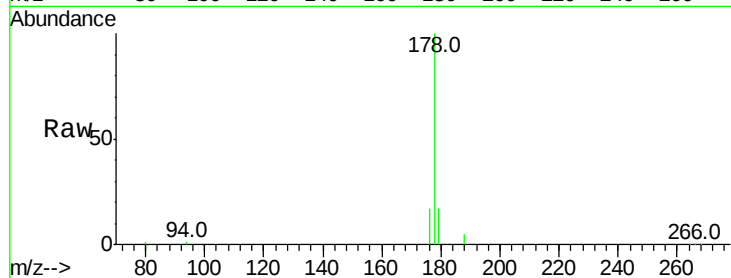
Tot Ion:178 Resp: 26076

Ion Ratio Lower Upper

178 100

179 16.8 18.1 27.1#

176 17.2 14.7 22.1



#15

Fluoranthene

Concen: 6.433 ng/ul

RT: 19.30 min Scan# 2750

Delta R.T. -0.01 min

Lab File: BE094274.D

Acq: 11 Oct 2017 5:18

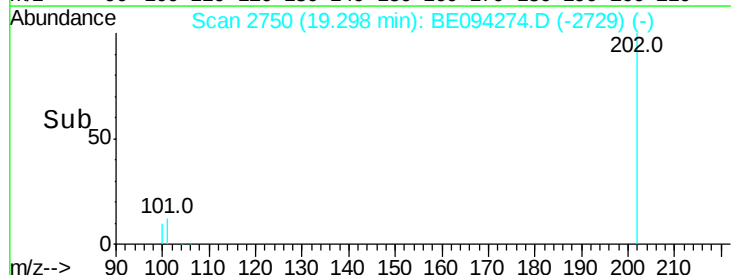
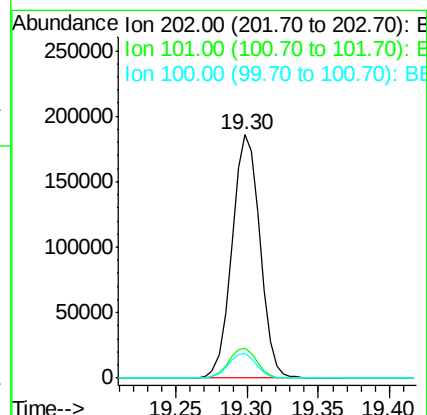
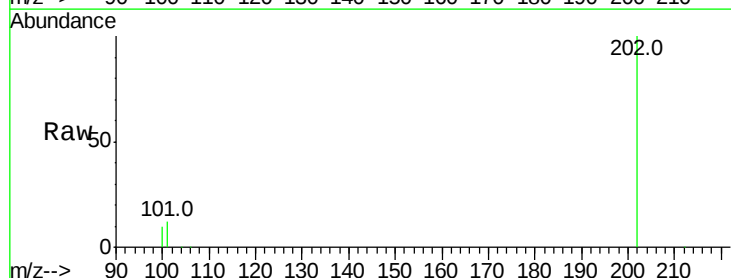
Tgt Ion:202 Resp: 255693

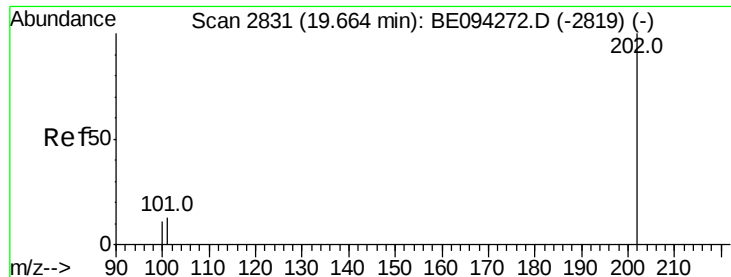
Ion Ratio Lower Upper

202 100

101 12.2 0.0 30.3

100 9.9 0.0 39.5





#17

Pvrene

Concen: 6.251 ng/ul

RT: 19.66 min Scan# 2829

Delta R.T. -0.01 min

Lab File: BE094274.D

Acq: 11 Oct 2017 5:18

Instrument :

BNA_E

ClientSampleId :

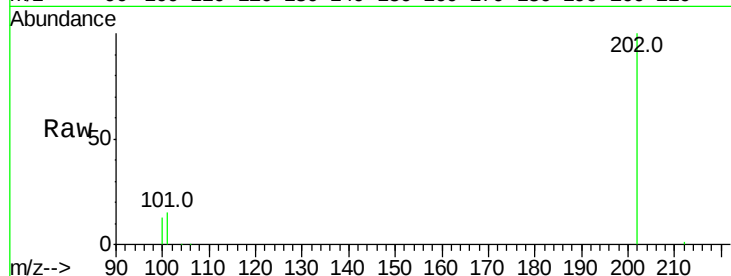
Tot Ion:202 Resp: 210392

Ion Ratio Lower Upper

202 100

101 14.6 18.2 27.4#

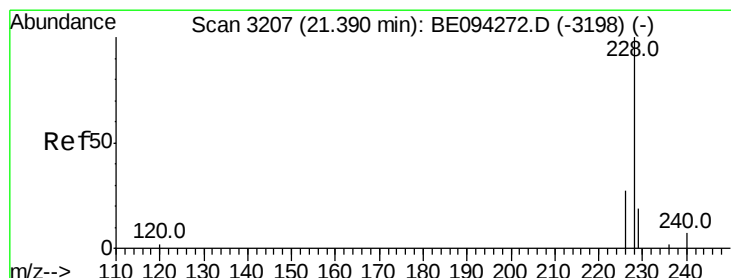
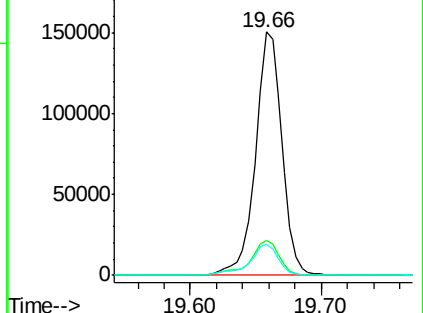
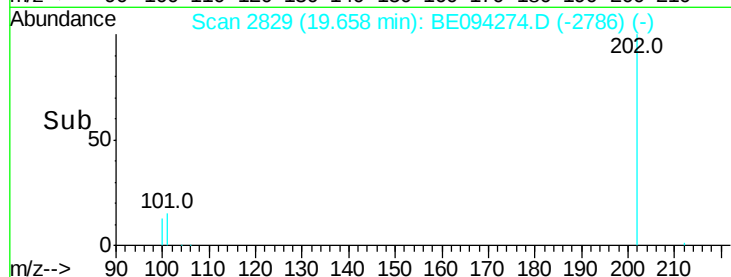
100 12.8 15.6 23.4#



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: 3.471 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.00 min

Lab File: BE094274.D

Acq: 11 Oct 2017 5:18

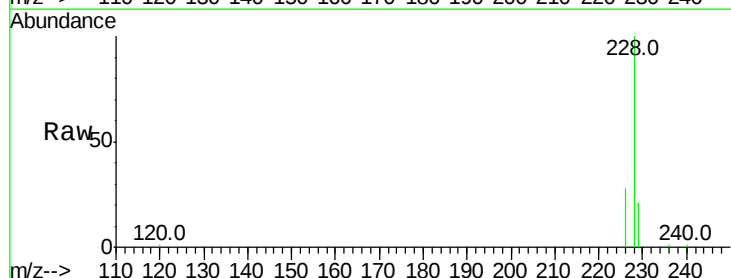
Tgt Ion:228 Resp: 111394

Ion Ratio Lower Upper

228 100

229 20.6 22.8 34.2#

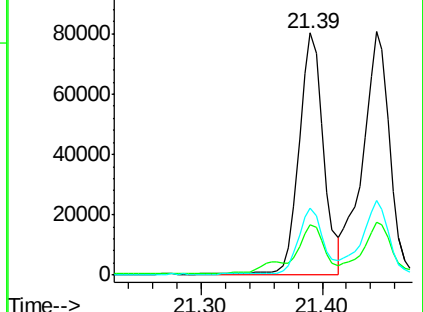
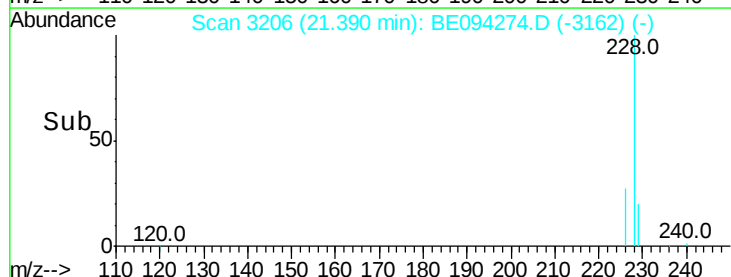
226 27.5 17.0 25.6#

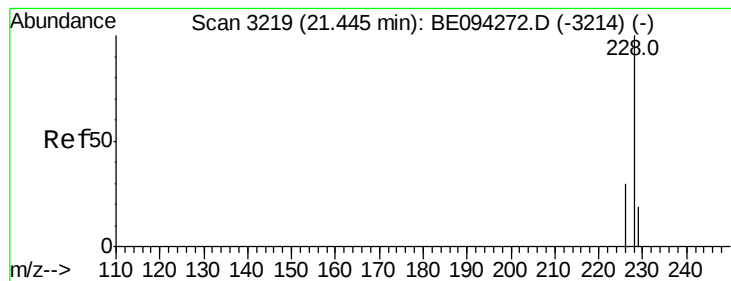


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 3.342 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BE094274.D

Acq: 11 Oct 2017 5:18

Instrument :

BNA_E

ClientSampleId :

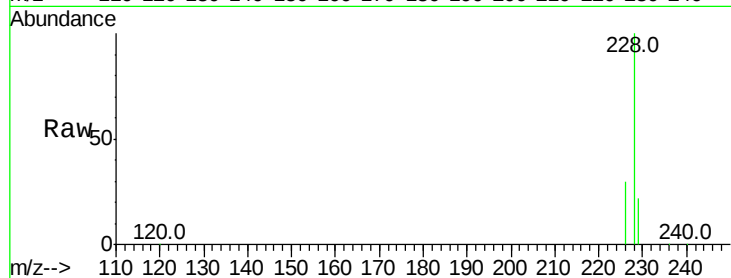
Tot Ion:228 Resp: 123835

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

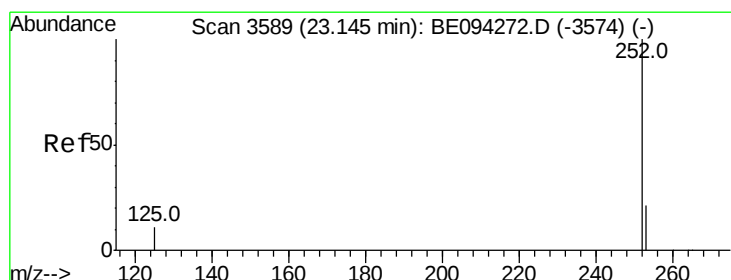
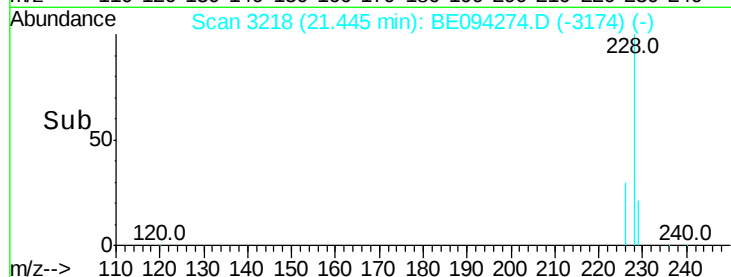
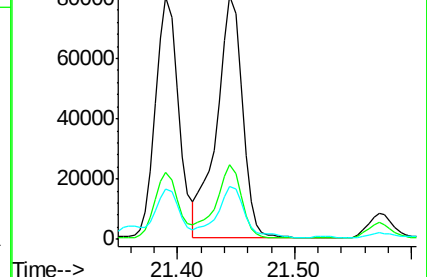
229 22.0 17.7 26.5



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: 6.711 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. 0.00 min

Lab File: BE094274.D

Acq: 11 Oct 2017 5:18

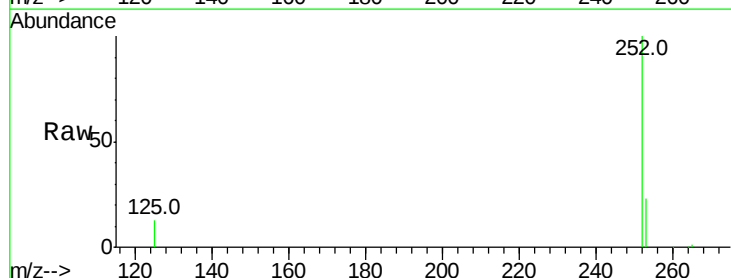
Tgt Ion:252 Resp: 202741

Ion Ratio Lower Upper

252 100

253 22.8 0.0 64.2

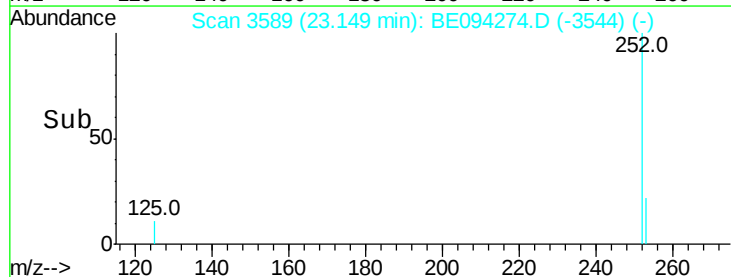
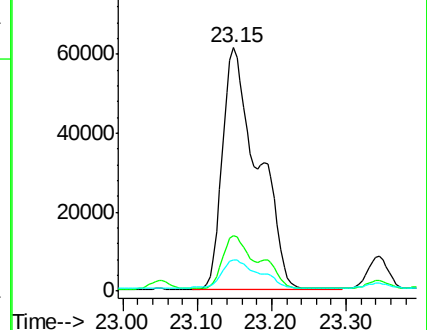
125 12.8 0.0 35.0

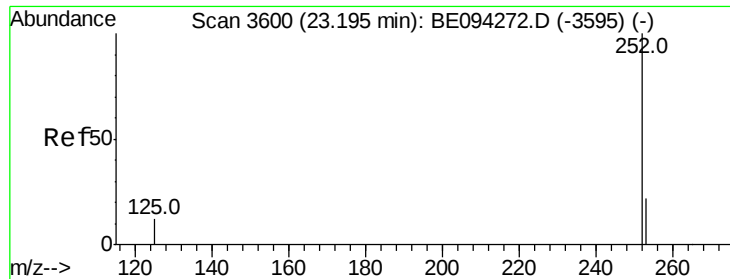


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 5.807 ng/u1

RT: 23.15 min Scan# 3589

Delta R.T. -0.05 min

Lab File: BE094274.D

Acq: 11 Oct 2017 5:18

Instrument :

BNA_E

ClientSampleId :

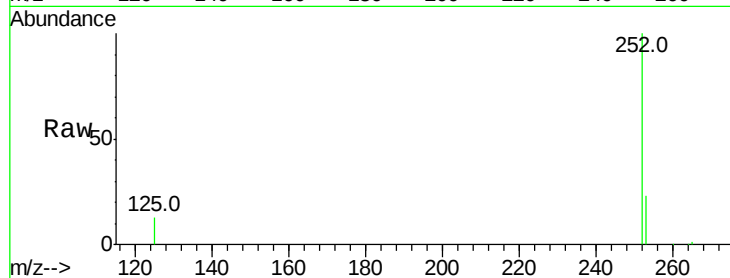
Tot Ion:252 Resp: 202762

Ion Ratio Lower Upper

252 100

253 22.8 24.5 36.7#

125 12.8 13.7 20.5#

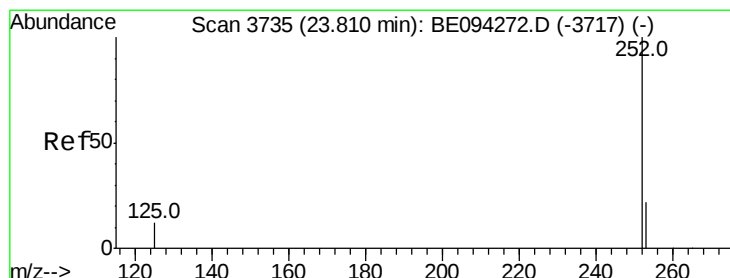
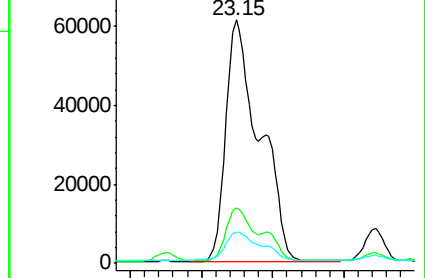
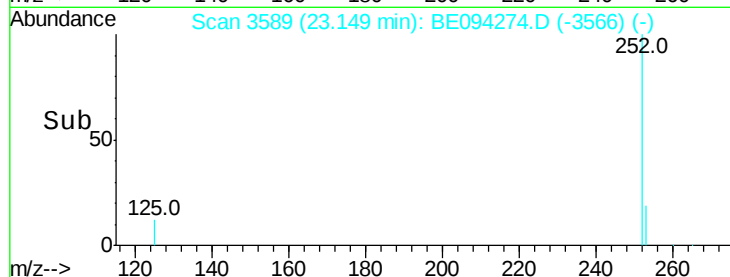


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#23

Benzo(a)pyrene

Concen: 3.089 ng/u1

RT: 23.80 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BE094274.D

Acq: 11 Oct 2017 5:18

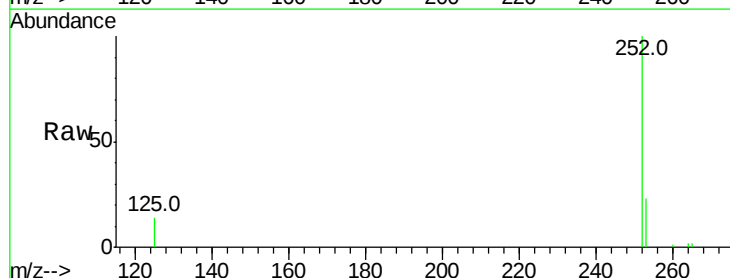
Tgt Ion:252 Resp: 96981

Ion Ratio Lower Upper

252 100

253 23.2 28.5 42.7#

125 14.0 18.1 27.1#

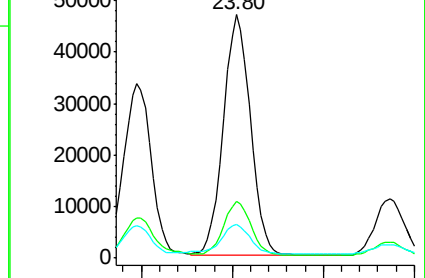
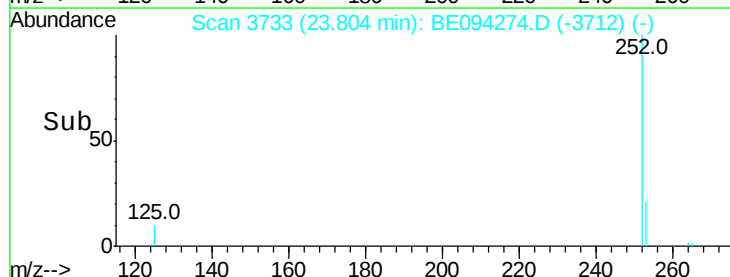


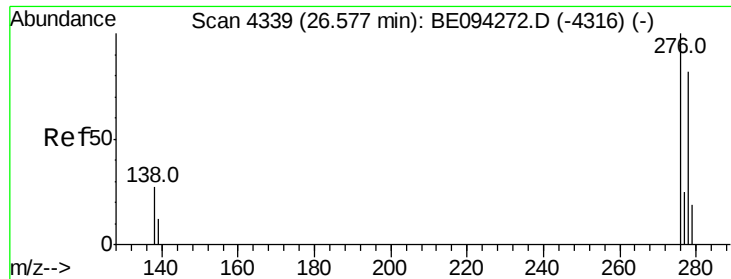
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



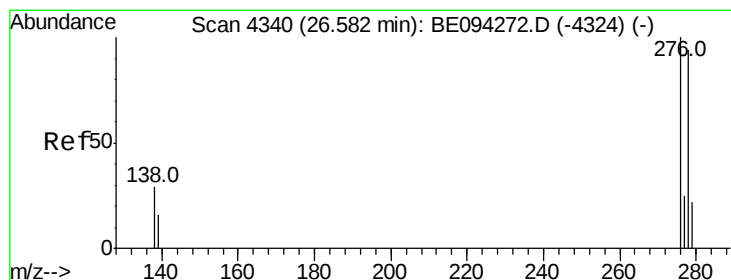
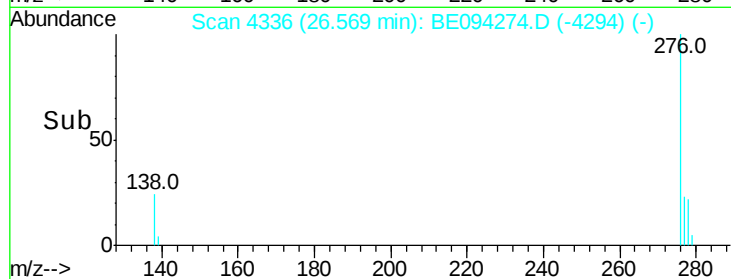
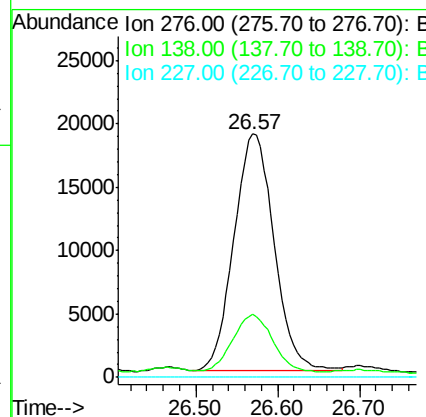
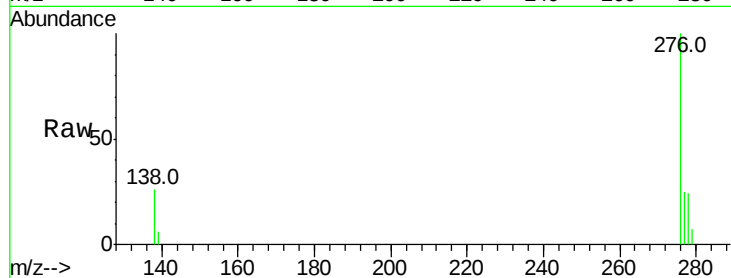


#24

Indeno(1,2,3-cd)pyrene
Concen: 1.976 ng/ul
RT: 26.57 min Scan# 4336
Delta R.T. -0.01 min
Lab File: BE094274.D
Acq: 11 Oct 2017 5:18

Instrument :
BNA_E
ClientSampleId :

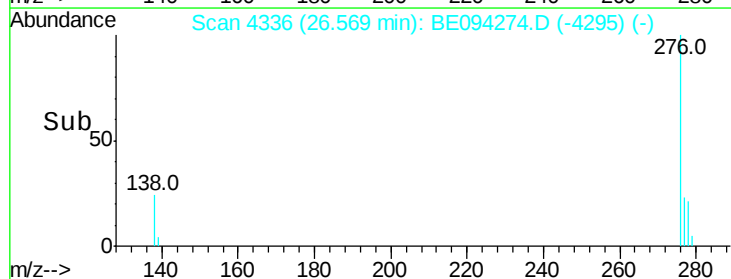
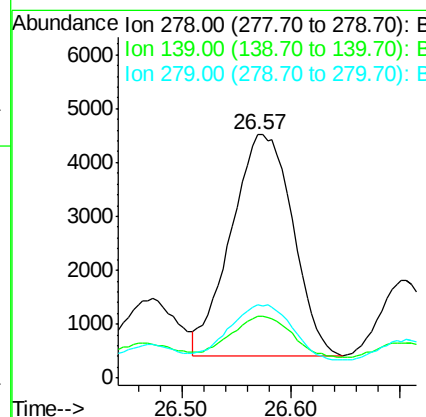
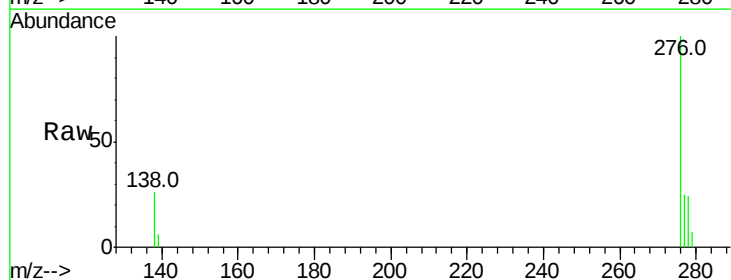
Tot Ion:276 Resp: 63462
Ion Ratio Lower Upper
276 100
138 24.0 28.0 42.0#
227 0.0 8.0 12.0#

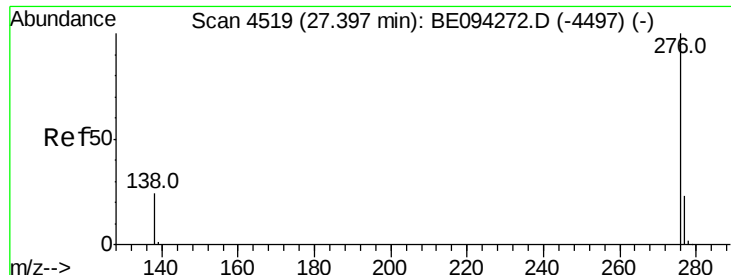


#25

Dibenzo(a,h)anthracene
Concen: 0.598 ng/ul
RT: 26.57 min Scan# 4336
Delta R.T. -0.01 min
Lab File: BE094274.D
Acq: 11 Oct 2017 5:18

Tgt Ion:278 Resp: 16114
Ion Ratio Lower Upper
278 100
139 25.5 17.4 26.0
279 29.9 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 1.881 ng/ul

RT: 27.40 min Scan# 4518

Delta R.T. 0.00 min

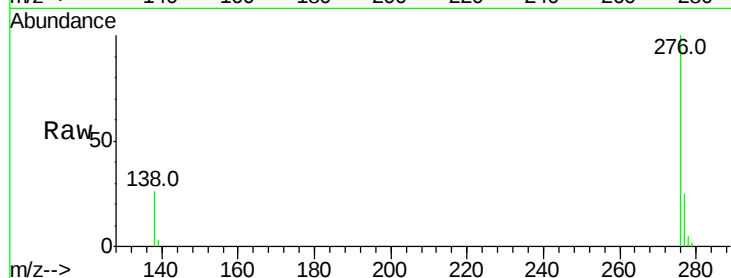
Lab File: BE094274.D

Acq: 11 Oct 2017 5:18

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 52113

Ion Ratio Lower Upper

276 100

138 26.2 21.8 32.8

277 25.4 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

