

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
 Data File : BE094549.D
 Acq On : 26 Oct 2017 1:00
 Operator : SJ/JU
 Sample : I5747-02 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 26 12:00:33 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

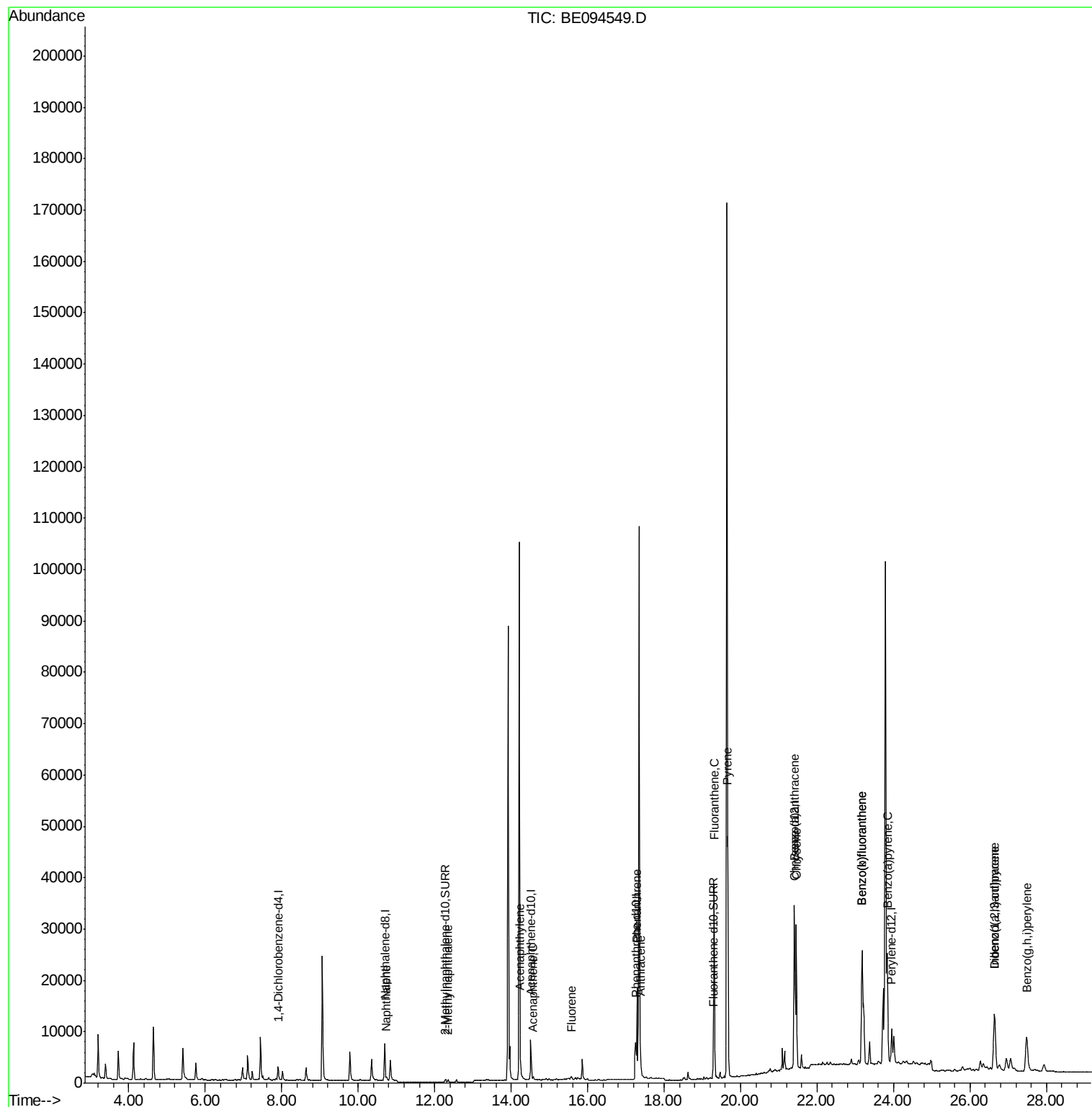
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1426	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	8270	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4716	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10620	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	10388	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	10562	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	874	0.07	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	2184	0.07	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.74	128	1154	0.057	ng/ul#	86
5) 2-Methylnaphthalene	12.35	142	456	0.032	ng/ul	99
7) Acenaphthylene	14.24	152	2055	0.096	ng/ul	96
8) Acenaphthene	14.57	153	396	0.026	ng/ul#	90
9) Fluorene	15.57	166	425	0.025	ng/ul#	74
12) Phenanthrene	17.29	178	19846	0.708	ng/ul#	91
13) Anthracene	17.38	178	3542	0.128	ng/ul#	93
15) Fluoranthene	19.31	202	43212	1.332	ng/ul	84
17) Pyrene	19.67	202	49348	1.537	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	29158	0.982	ng/ul#	87
19) Chrysene	21.46	228	29751	0.969	ng/ul	97
21) Benzo(b)fluoranthene	23.18	252	57958	1.951	ng/ul	92
22) Benzo(k)fluoranthene	23.18	252	57958	1.820	ng/ul	94
23) Benzo(a)pyrene	23.84	252	32376	1.090	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	26.65	276	22870	0.744	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.64	278	5641	0.218	ng/ul#	69
26) Benzo(a,h,i)perylene	27.48	276	19285	0.782	ng/ul	93

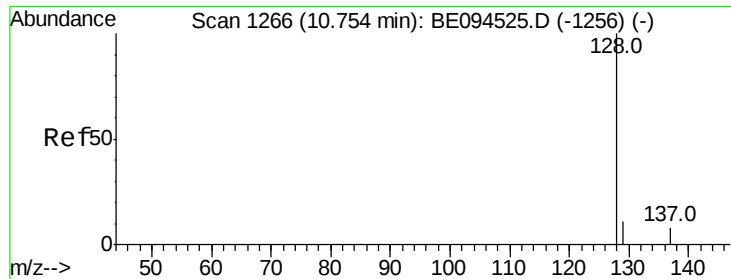
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.057 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

Instrument :

BNA_E

ClientSampleId :

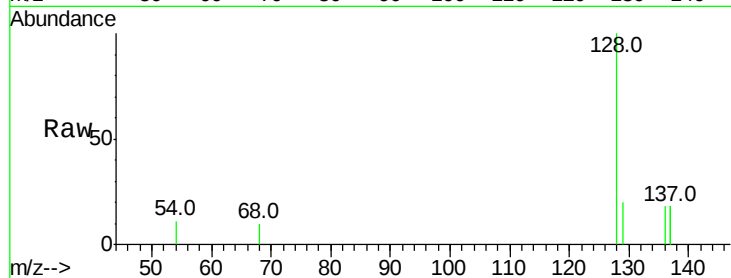
Tot Ion:128 Resp: 1154

Ion Ratio Lower Upper

128 100

129 19.9 11.3 16.9#

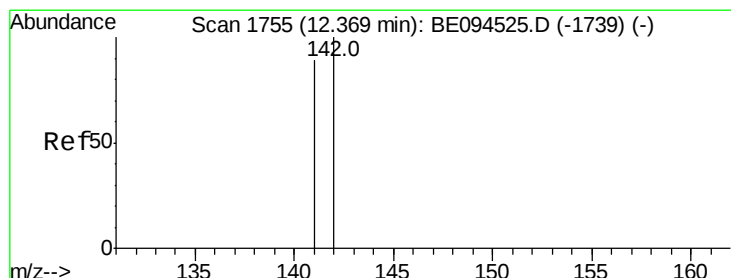
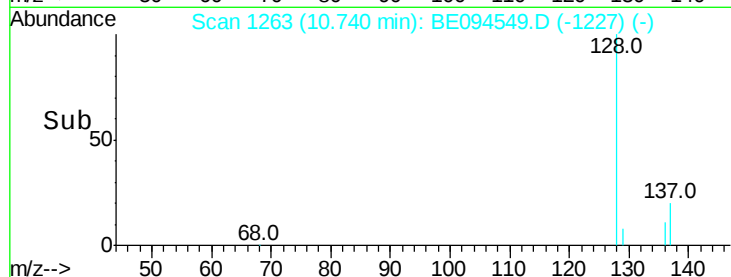
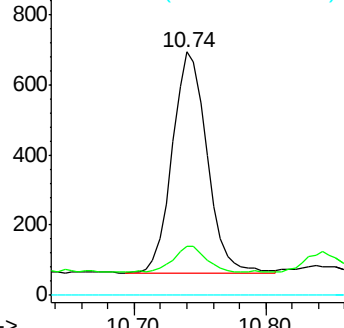
127 0.0 4.0 6.0#



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: 0.032 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BE094549.D

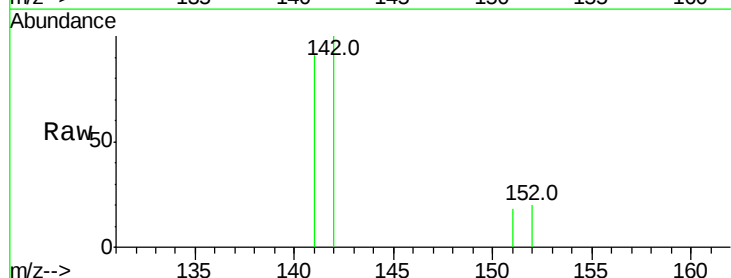
Acq: 26 Oct 2017 1:00

Tgt Ion:142 Resp: 456

Ion Ratio Lower Upper

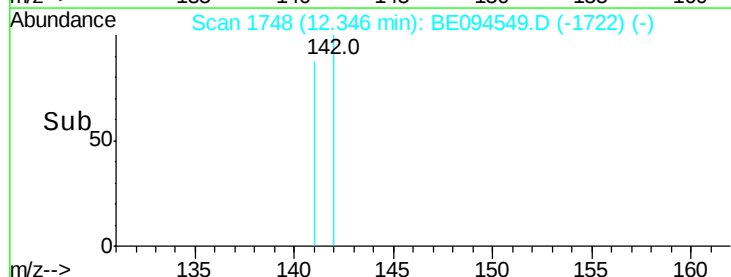
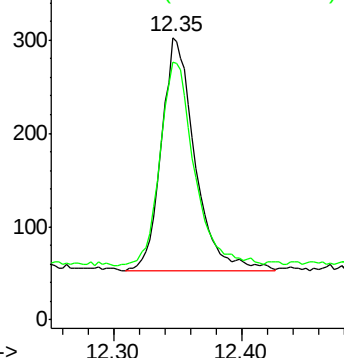
142 100

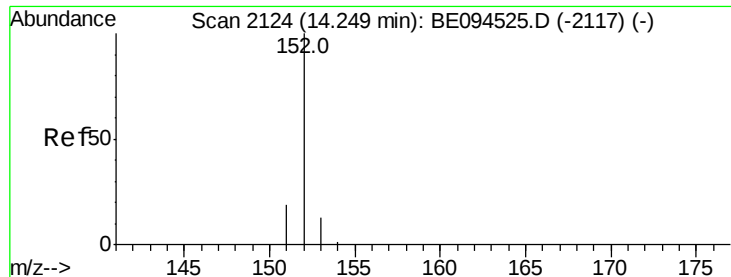
141 90.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.096 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.00 min

Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

Instrument :

BNA_E

ClientSampleId :

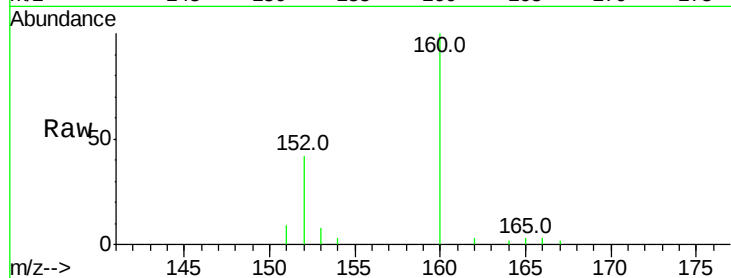
Tot Ion:152 Resp: 2055

Ion Ratio Lower Upper

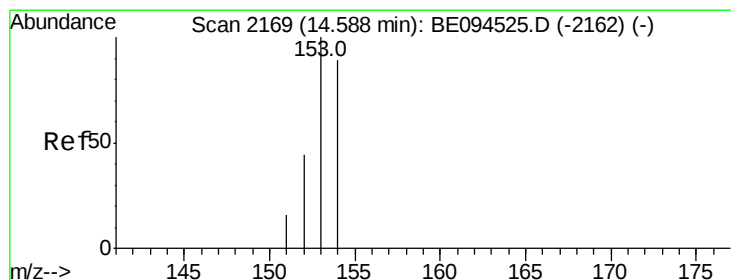
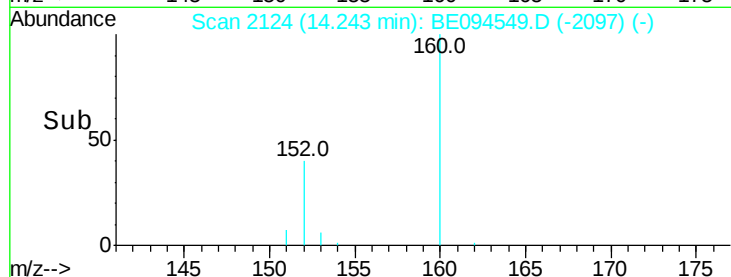
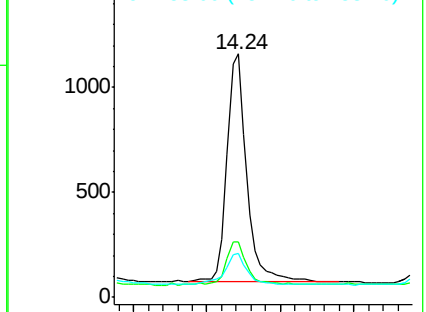
152 100

151 22.7 17.1 25.7

153 18.1 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: 0.026 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

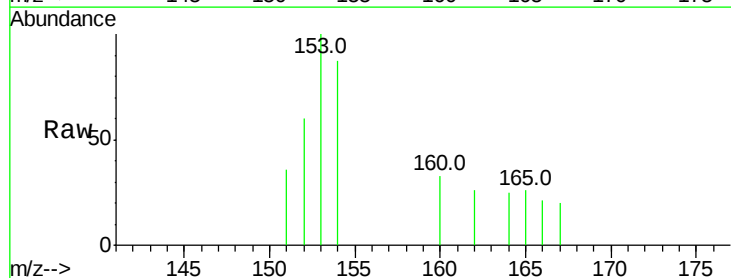
Tgt Ion:153 Resp: 396

Ion Ratio Lower Upper

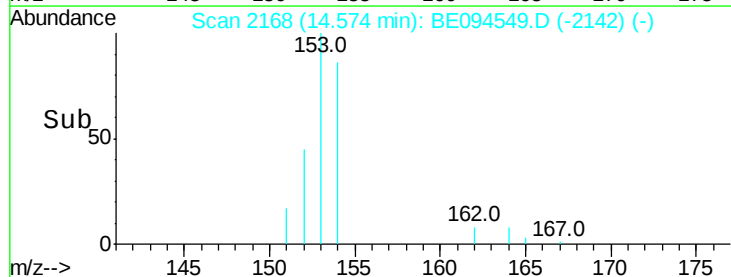
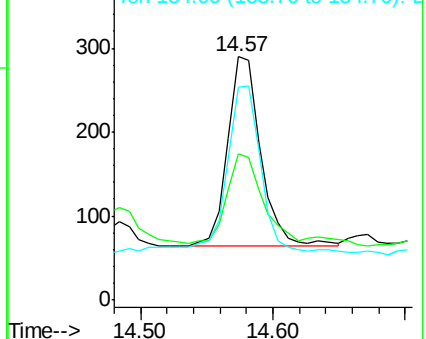
153 100

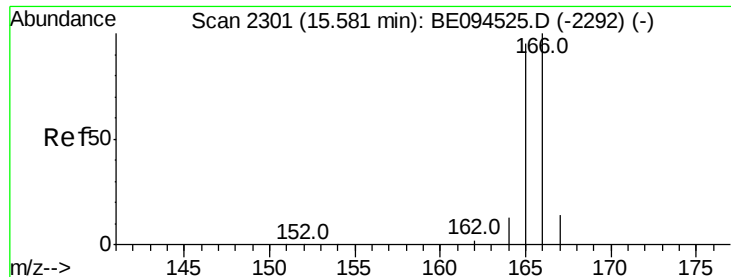
152 60.0 36.0 54.0#

154 87.2 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: 0.025 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

Instrument :

BNA_E

ClientSampleId :

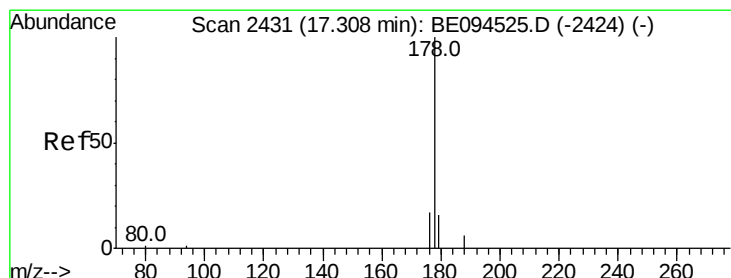
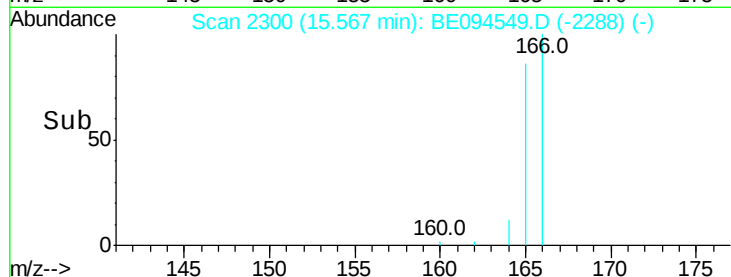
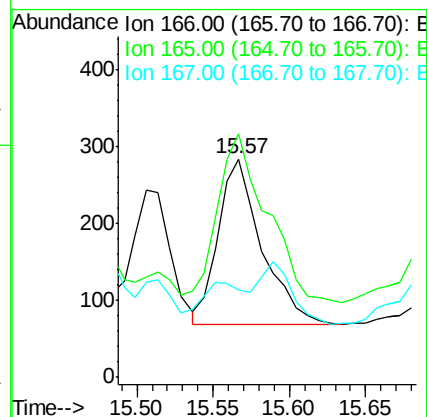
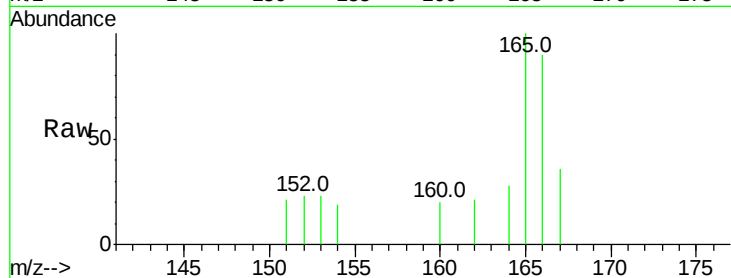
Tot Ion:166 Resp: 425

Ion Ratio Lower Upper

166 100

165 111.6 73.4 110.2#

167 40.1 14.6 22.0#



#12

Phenanthrene

Concen: 0.708 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

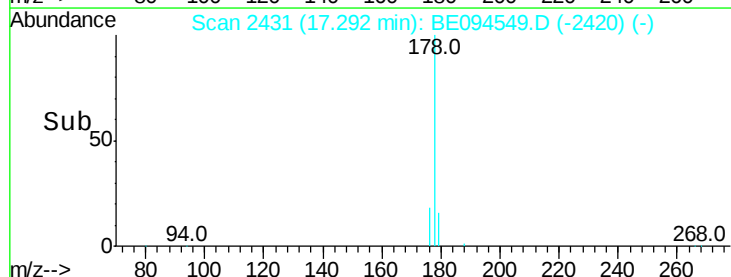
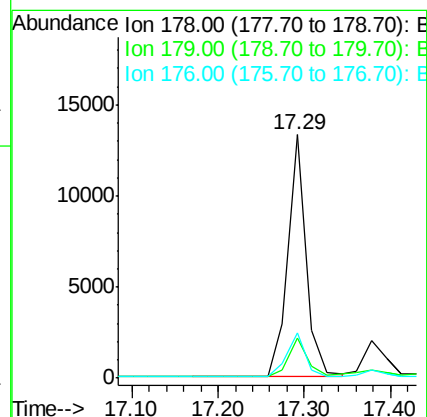
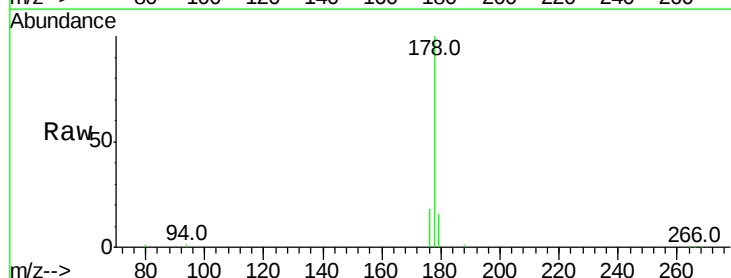
Tgt Ion:178 Resp: 19846

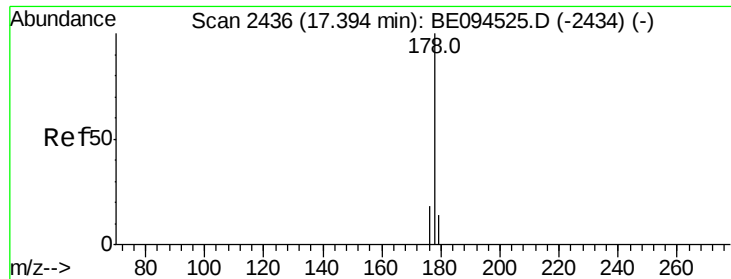
Ion Ratio Lower Upper

178 100

179 16.4 18.4 27.6#

176 18.3 13.6 20.4





#13

Anthracene

Concen: 0.128 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

Instrument :

BNA_E

ClientSampleId :

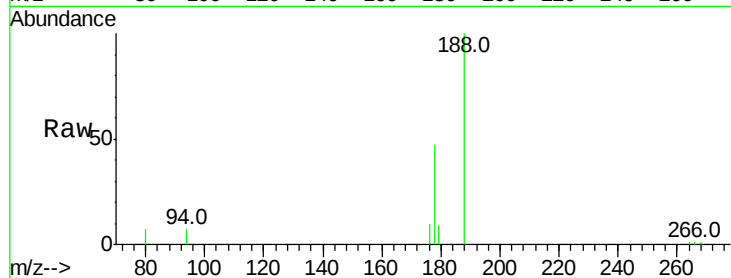
Tot Ion:178 Resp: 3542

Ion Ratio Lower Upper

178 100

179 20.0 18.1 27.1

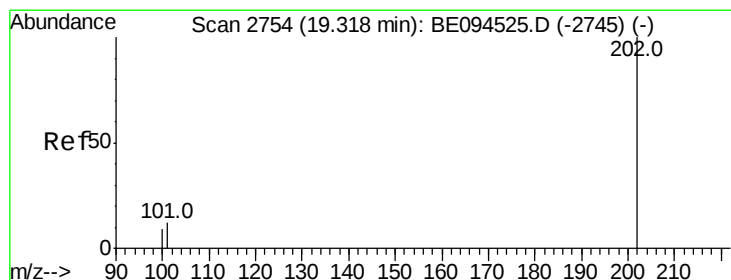
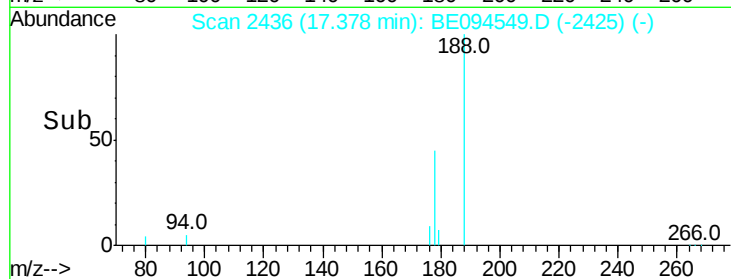
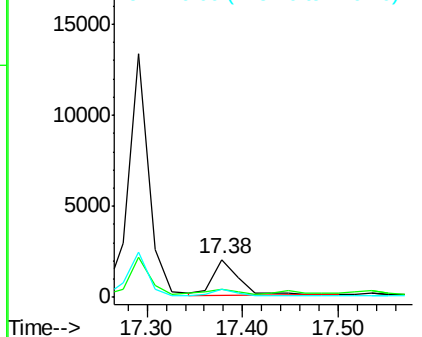
176 22.3 14.7 22.1#



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: 1.332 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

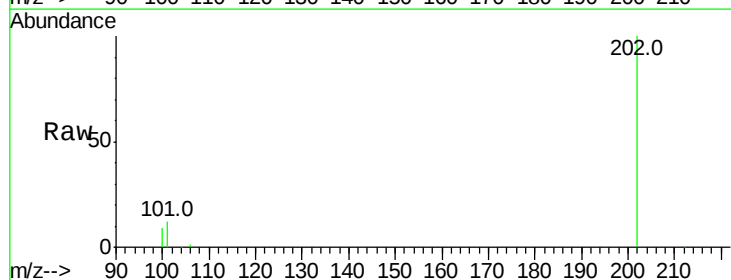
Tgt Ion:202 Resp: 43212

Ion Ratio Lower Upper

202 100

101 11.9 0.0 30.3

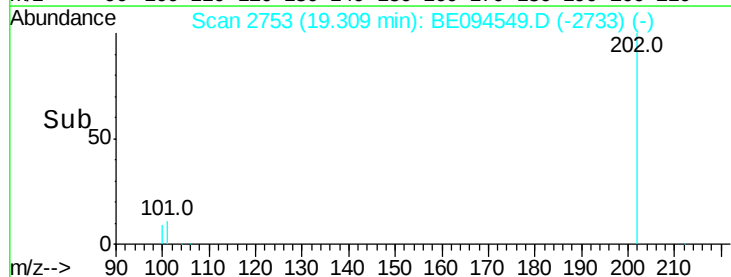
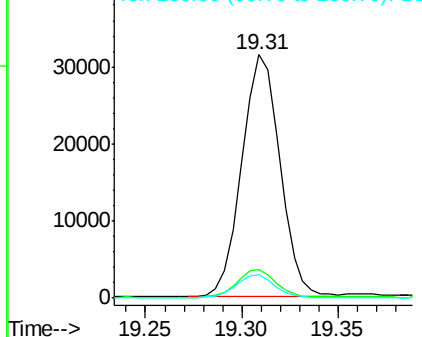
100 9.4 0.0 39.5

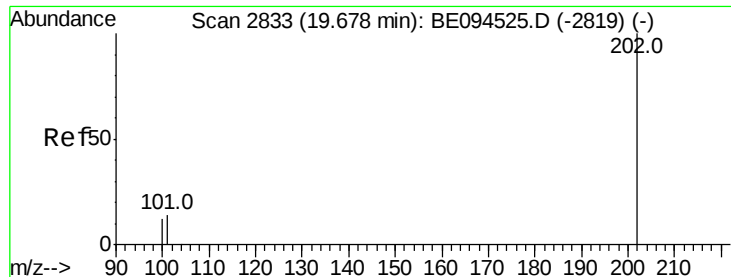


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 1.537 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

Instrument :

BNA_E

ClientSampleId :

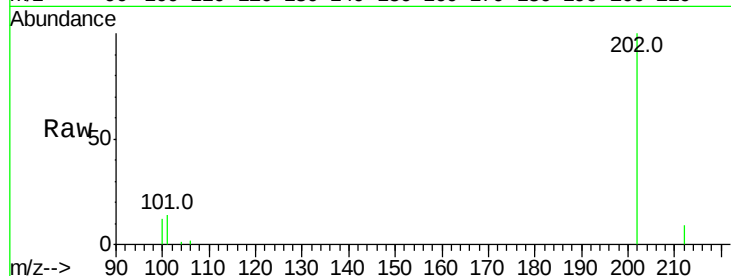
Tot Ion:202 Resp: 49348

Ion Ratio Lower Upper

202 100

101 13.8 18.2 27.4#

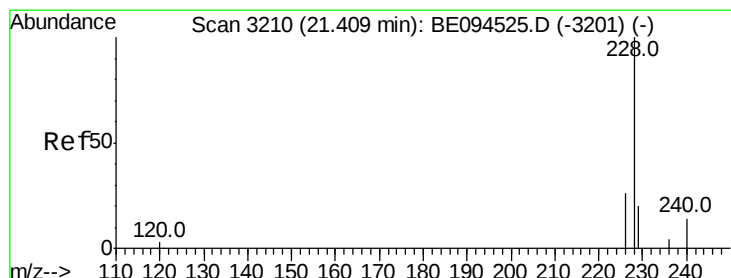
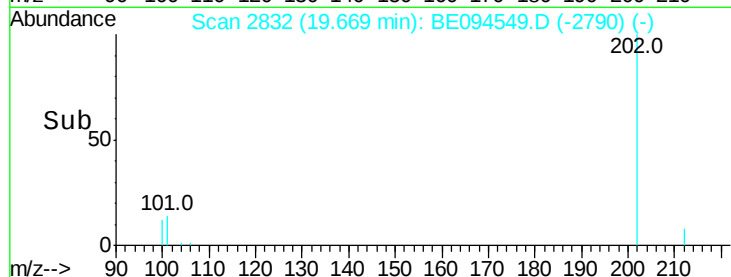
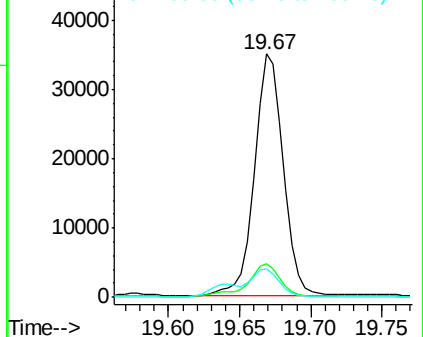
100 11.9 15.6 23.4#



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: 0.982 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

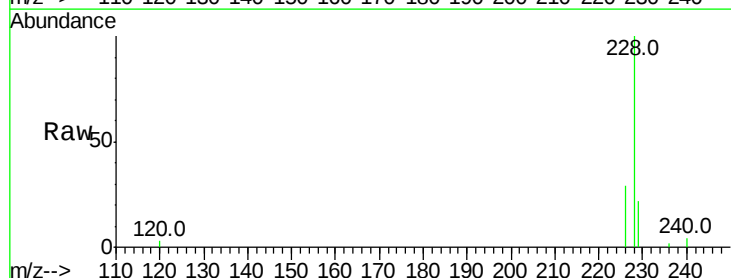
Tgt Ion:228 Resp: 29158

Ion Ratio Lower Upper

228 100

229 22.4 22.8 34.2#

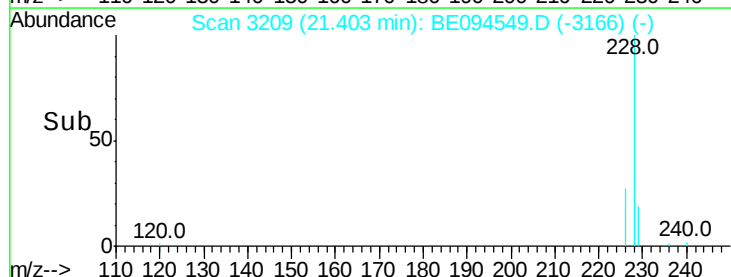
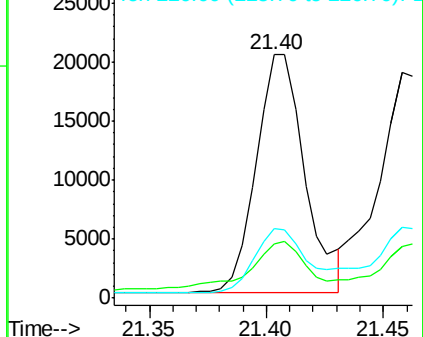
226 28.5 17.0 25.6#

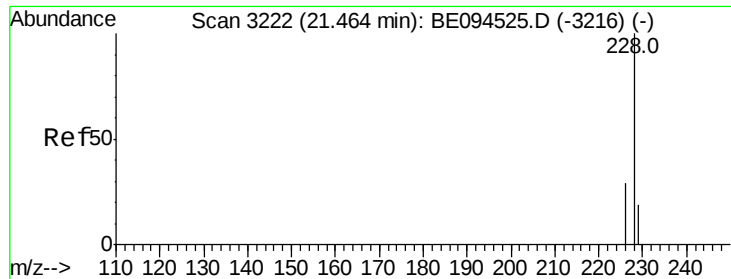


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.969 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

Instrument :

BNA_E

ClientSampleId :

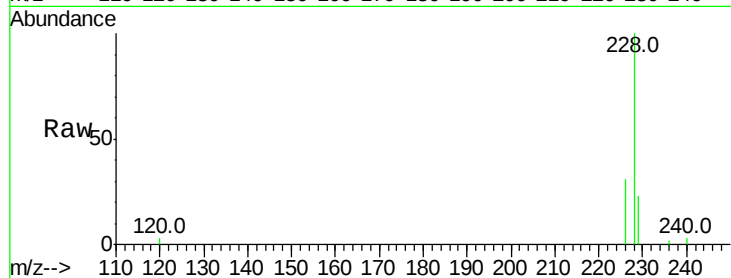
Tot Ion:228 Resp: 29751

Ion Ratio Lower Upper

228 100

226 31.5 23.4 35.0

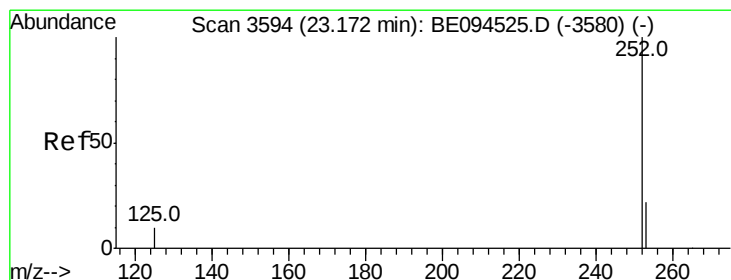
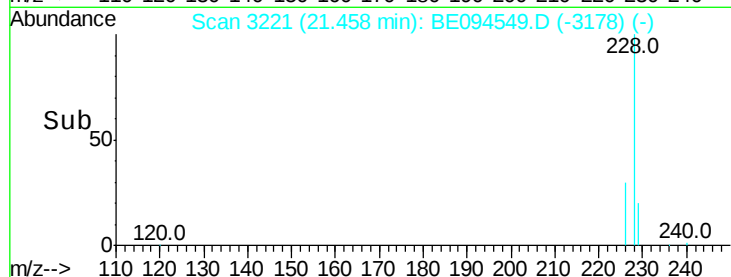
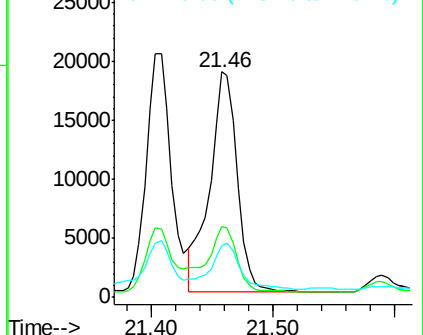
229 23.2 17.7 26.5



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: 1.951 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. 0.01 min

Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

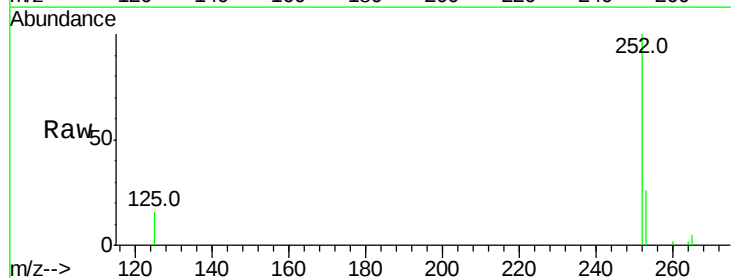
Tgt Ion:252 Resp: 57958

Ion Ratio Lower Upper

252 100

253 25.9 0.0 64.2

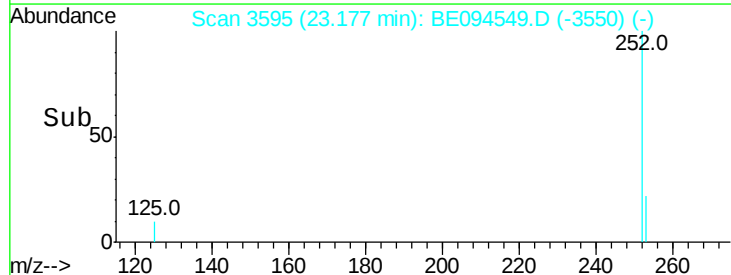
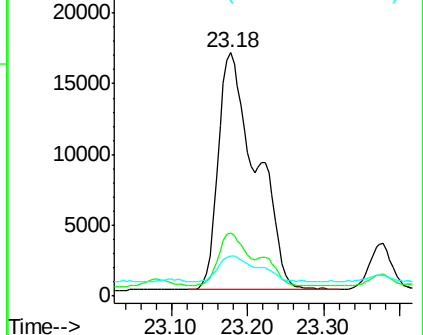
125 16.3 0.0 35.0

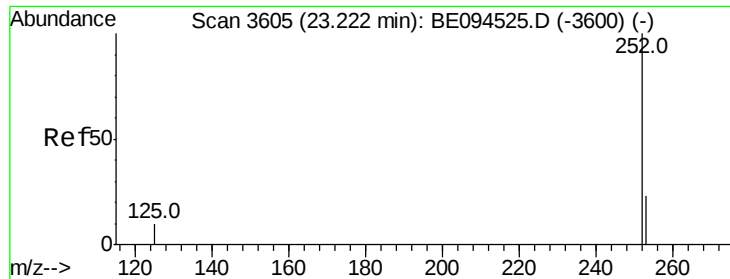


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.820 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.04 min

Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

Instrument :

BNA_E

ClientSampleId :

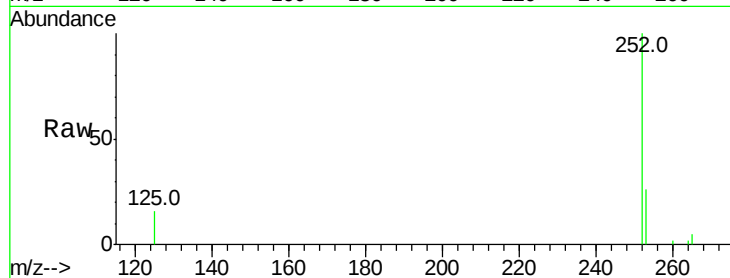
Tot Ion:252 Resp: 57958

Ion Ratio Lower Upper

252 100

253 25.9 24.5 36.7

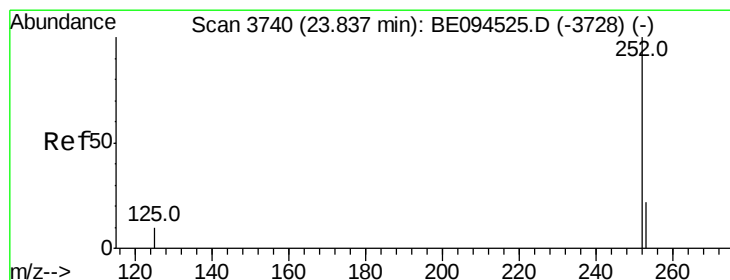
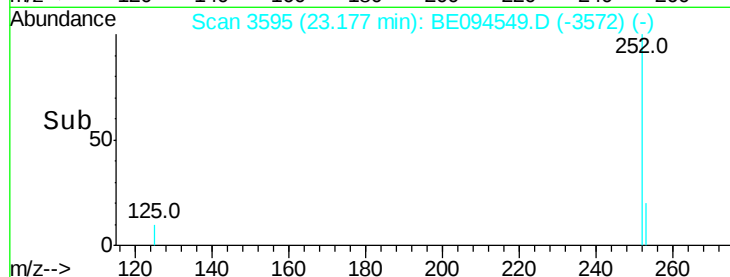
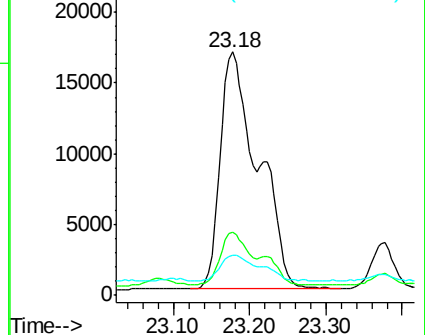
125 16.3 13.7 20.5



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: 1.090 ng/ul

RT: 23.84 min Scan# 3740

Delta R.T. -0.00 min

Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

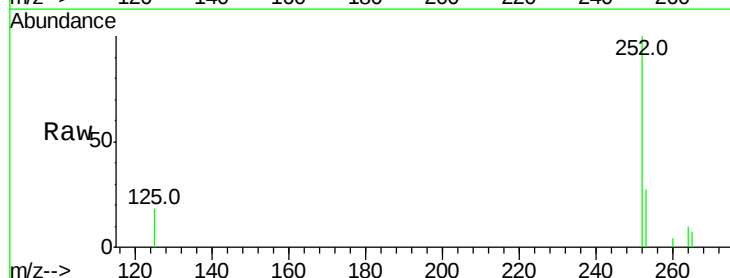
Tgt Ion:252 Resp: 32376

Ion Ratio Lower Upper

252 100

253 26.6 28.5 42.7#

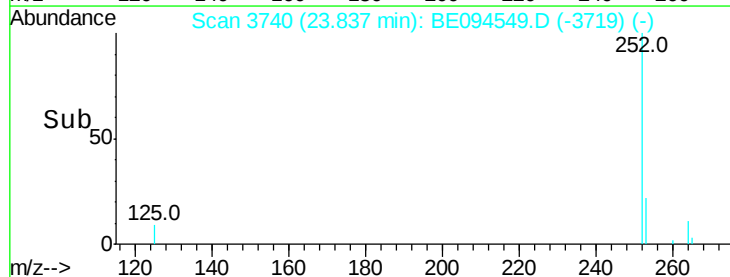
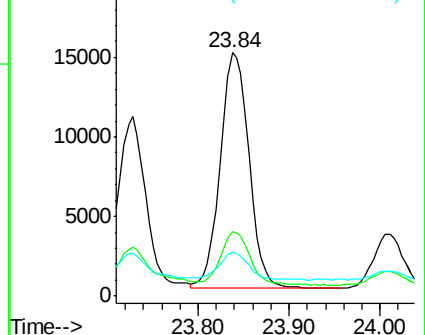
125 17.9 18.1 27.1#

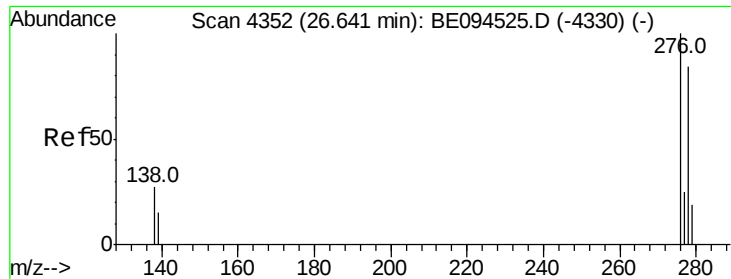


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.744 ng/ul

RT: 26.65 min Scan# 4353

Delta R.T. 0.00 min

Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

Instrument :

BNA_E

ClientSampleId :

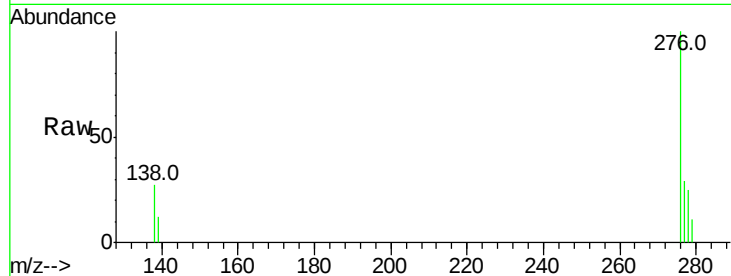
Tot Ion:276 Resp: 22870

Ion Ratio Lower Upper

276 100

138 20.7 28.0 42.0#

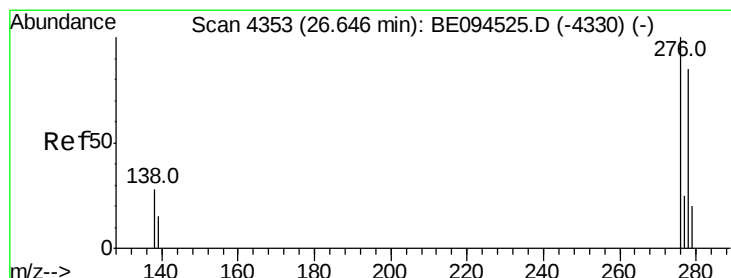
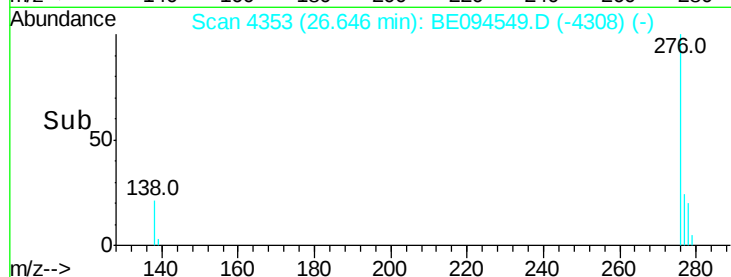
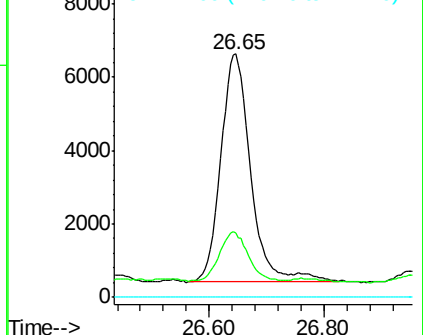
227 0.0 8.0 12.0#



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: 0.218 ng/ul

RT: 26.64 min Scan# 4351

Delta R.T. -0.00 min

Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

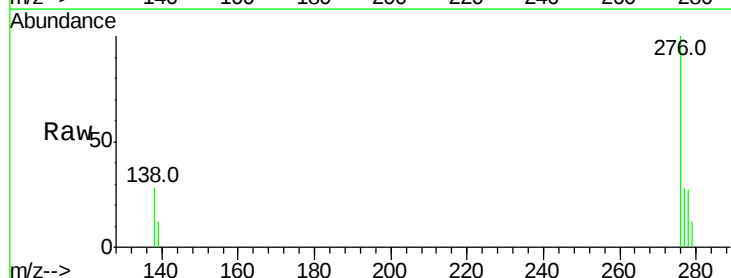
Tgt Ion:278 Resp: 5641

Ion Ratio Lower Upper

278 100

139 45.0 17.4 26.0#

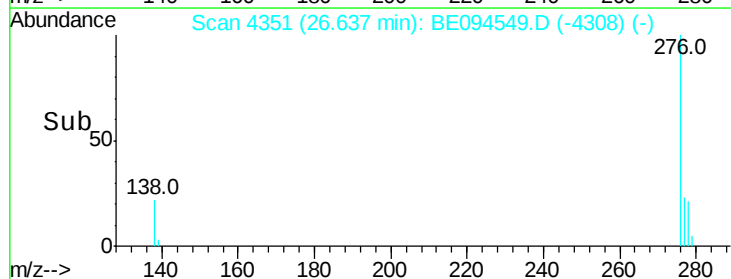
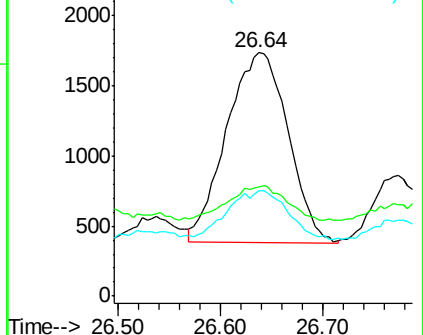
279 43.1 25.9 38.9#

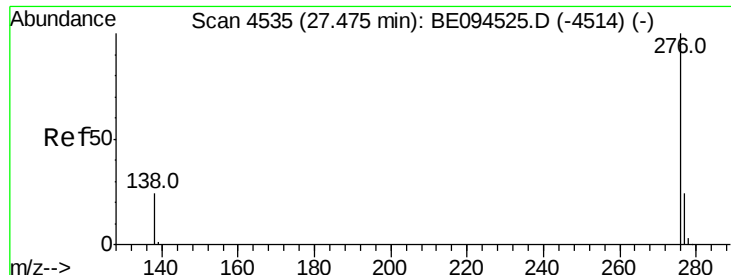


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.782 ng/ul

RT: 27.48 min Scan# 4536

Delta R.T. -0.00 min

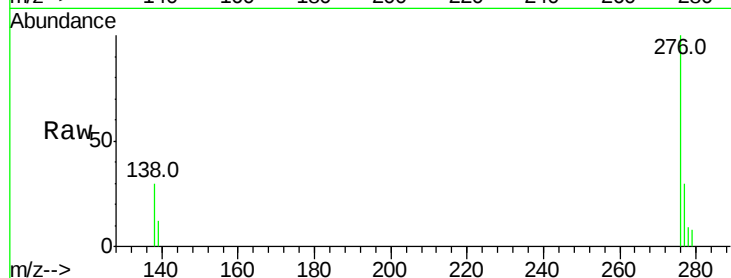
Lab File: BE094549.D

Acq: 26 Oct 2017 1:00

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 19285

Ion Ratio Lower Upper

276 100

138 30.0 21.8 32.8

277 30.1 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

