

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
 Data File : BE094553.D
 Acq On : 26 Oct 2017 3:26
 Operator : SJ/JU
 Sample : I5747-07 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 26 12:01:12 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	1509	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	8404	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	5378	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10901	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	11077	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	11326	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	748	0.05	ng/ul	-0.03
14) Fluoranthene-d10	19.28	212	1661	0.05	ng/ul	0.00

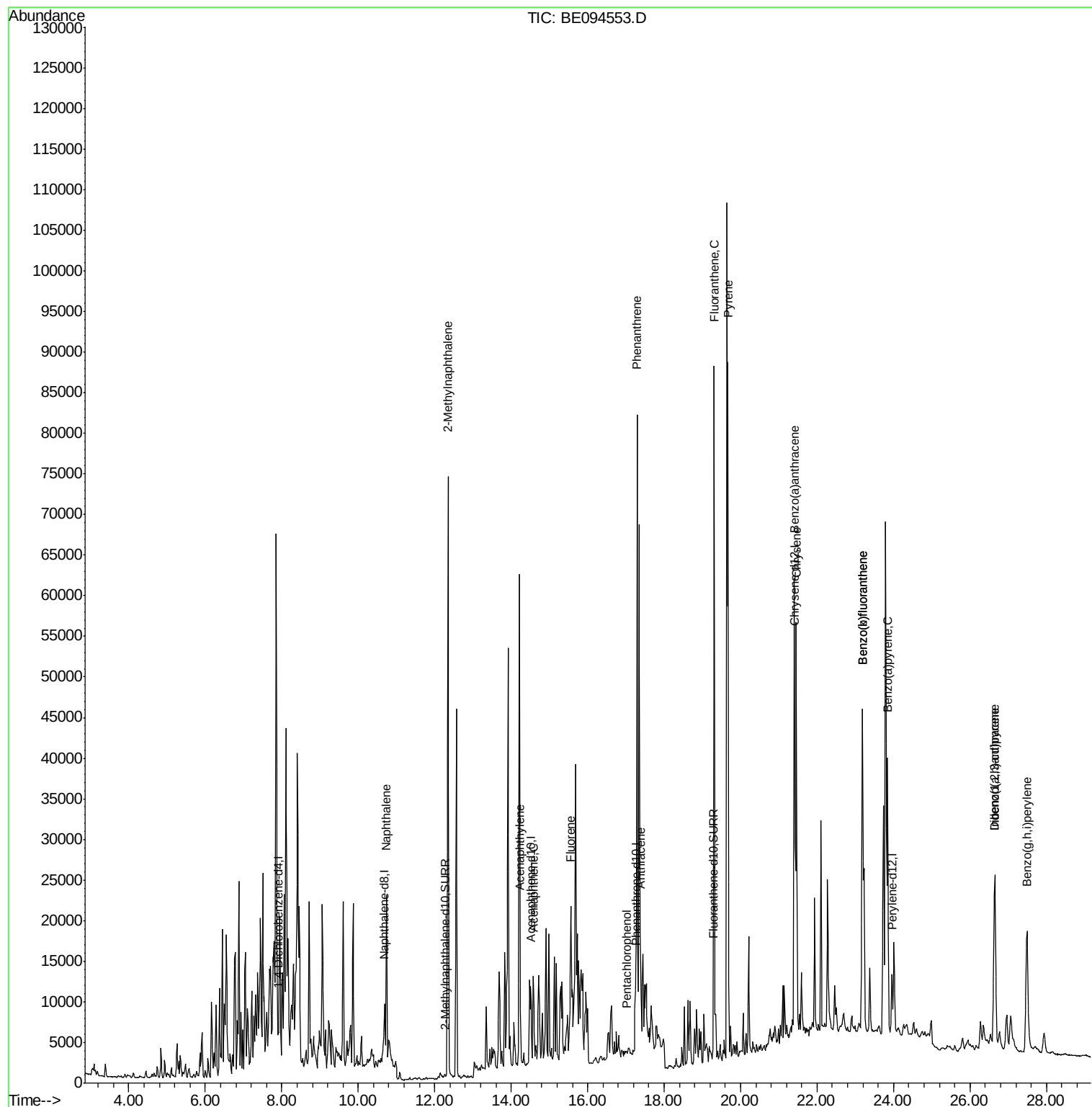
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	33299	1.621	ng/ul#	96
5) 2-Methylnaphthalene	12.34	142	64002	4.452	ng/ul	99
7) Acenaphthylene	14.24	152	6024	0.248	ng/ul#	51
8) Acenaphthene	14.57	153	7608	0.435	ng/ul#	90
9) Fluorene	15.56	166	12166	0.620	ng/ul#	85
11) Pentachlorophenol	17.03	266	29	0.053	ng/ul#	20
12) Phenanthrene	17.29	178	90357	3.138	ng/ul#	92
13) Anthracene	17.38	178	14338	0.505	ng/ul	96
15) Fluoranthene	19.31	202	97980	2.943	ng/ul	84
17) Pyrene	19.67	202	98714	2.883	ng/ul#	80
18) Benzo(a)anthracene	21.40	228	51365	1.622	ng/ul#	90
19) Chrysene	21.46	228	55247	1.688	ng/ul	94
21) Benzo(b)fluoranthene	23.19	252	99610	3.127	ng/ul	92
22) Benzo(k)fluoranthene	23.19	252	99743	2.921	ng/ul	94
23) Benzo(a)pyrene	23.84	252	54112	1.699	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.65	276	42566	1.292	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.65	278	10471	0.377	ng/ul#	75
26) Benzo(g,h,i)perylene	27.49	276	40789	1.541	ng/ul	97

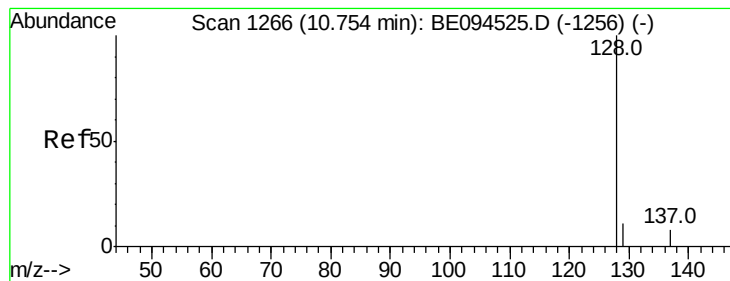
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.621 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

Instrument :

BNA_E

ClientSampleId :

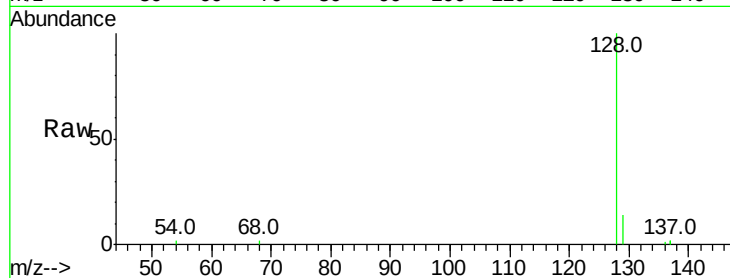
Tot Ion:128 Resp: 33299

Ion Ratio Lower Upper

128 100

129 14.4 11.3 16.9

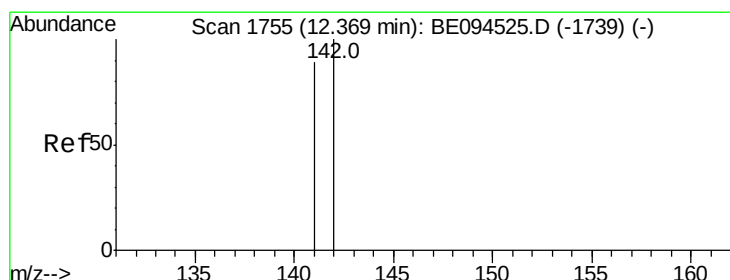
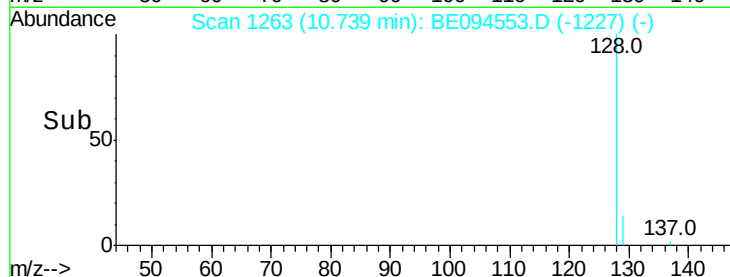
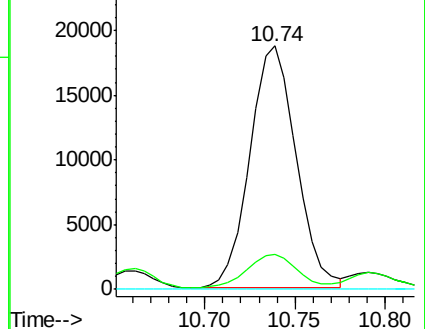
127 0.0 4.0 6.0#



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: 4.452 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.02 min

Lab File: BE094553.D

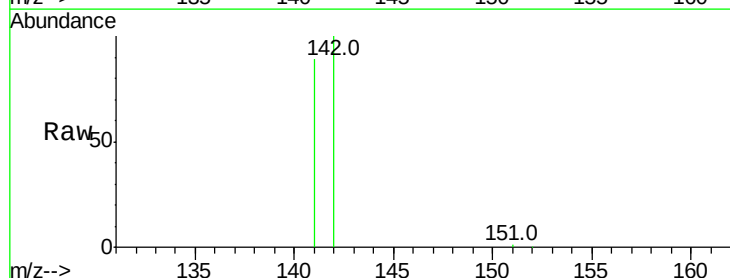
Acq: 26 Oct 2017 3:26

Tgt Ion:142 Resp: 64002

Ion Ratio Lower Upper

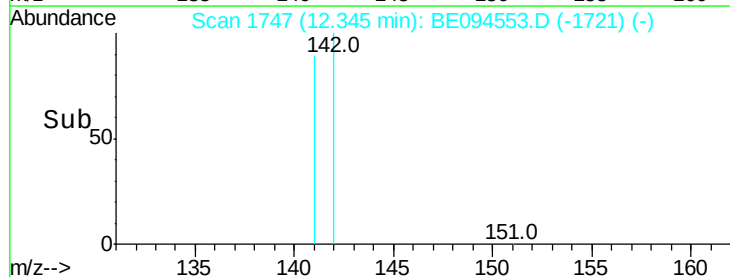
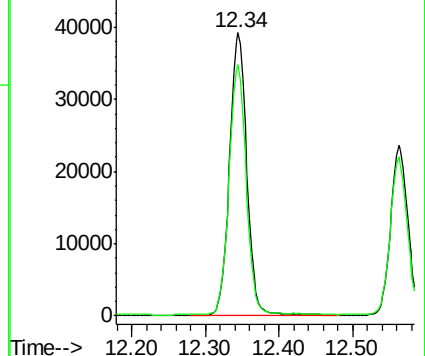
142 100

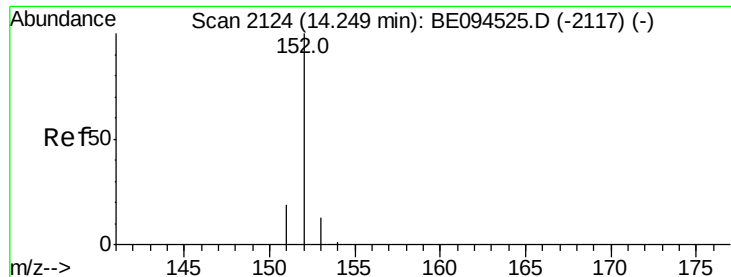
141 89.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.248 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

Instrument :

BNA_E

ClientSampleId :

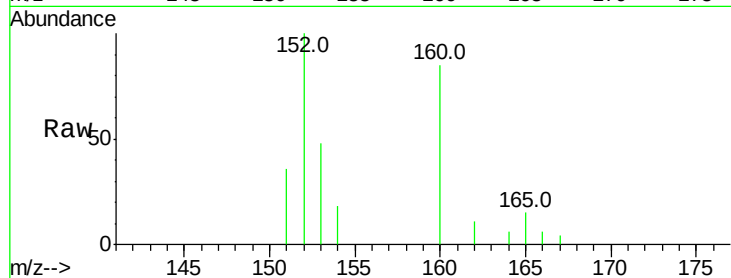
Tot Ion:152 Resp: 6024

Ion Ratio Lower Upper

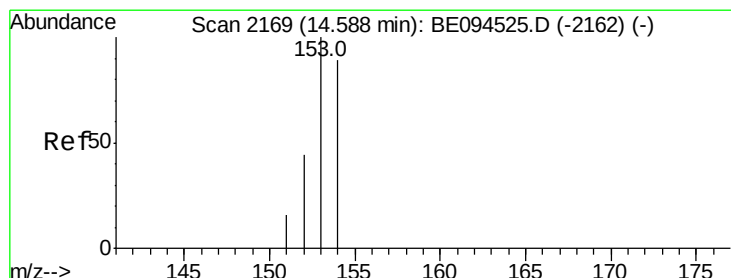
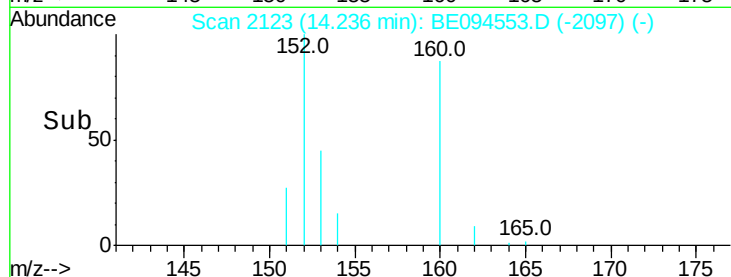
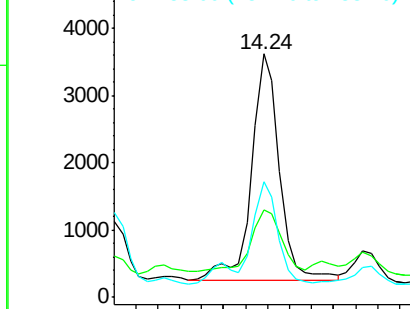
152 100

151 35.7 17.1 25.7#

153 47.5 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: 0.435 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

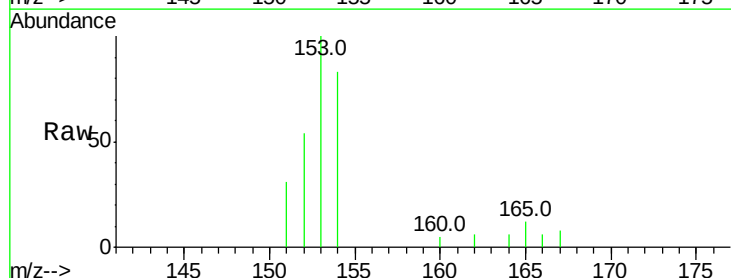
Tgt Ion:153 Resp: 7608

Ion Ratio Lower Upper

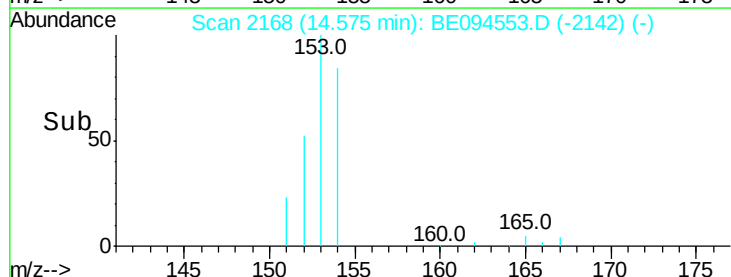
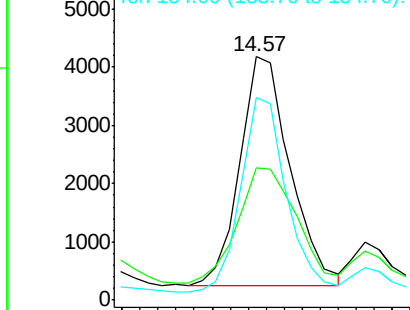
153 100

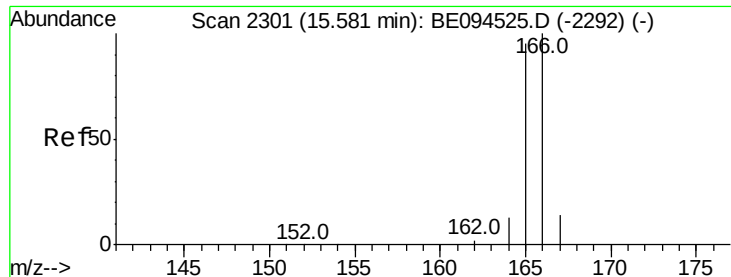
152 54.5 36.0 54.0#

154 83.3 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: 0.620 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

Instrument :

BNA_E

ClientSampleId :

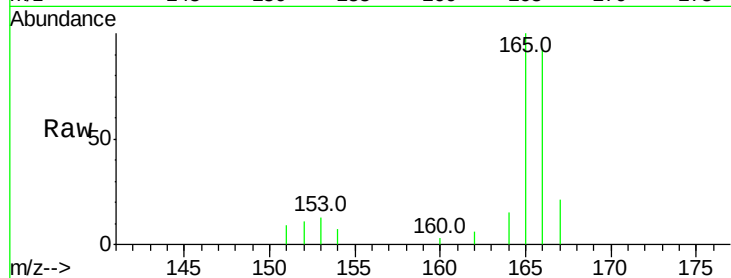
Tot Ion:166 Resp: 12166

Ion Ratio Lower Upper

166 100

165 107.1 73.4 110.2

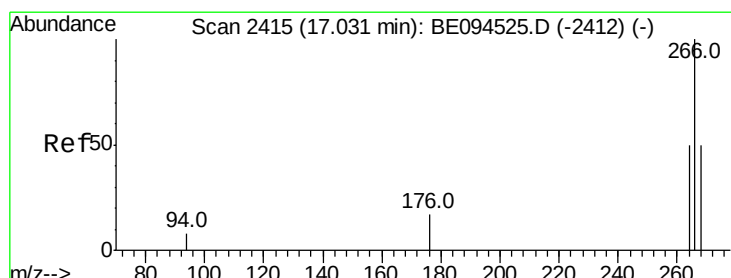
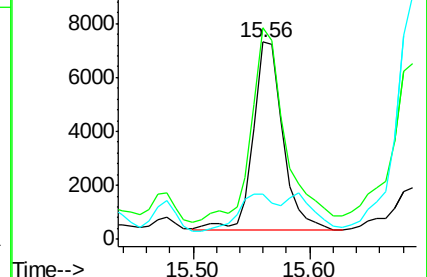
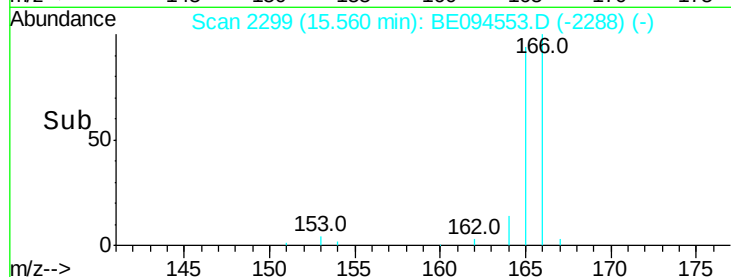
167 22.9 14.6 22.0#



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: 0.053 ng/ul

RT: 17.03 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

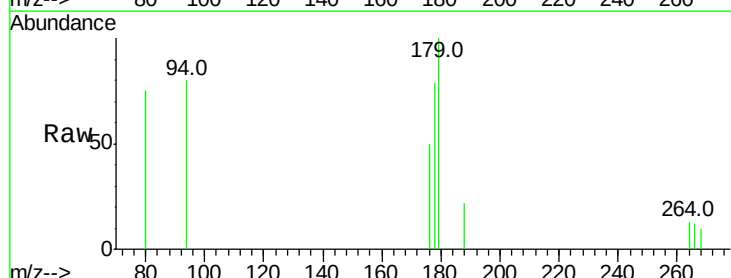
Tgt Ion:266 Resp: 29

Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

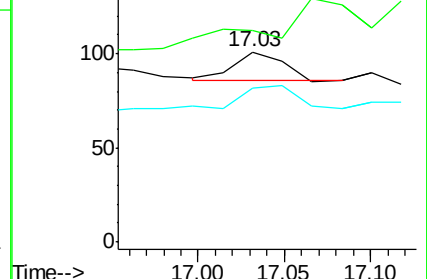
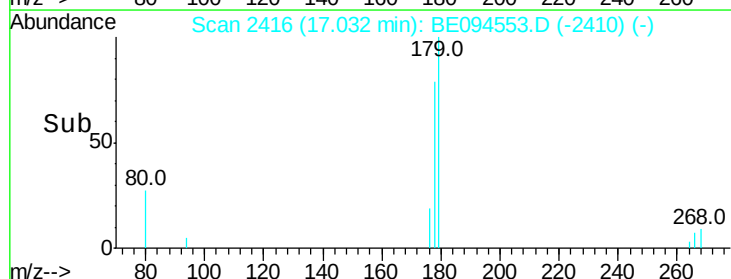
268 0.0 49.8 74.8#

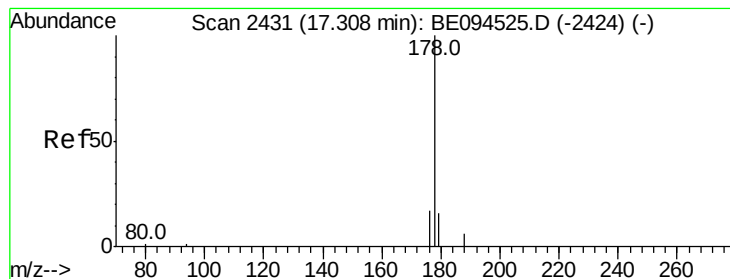


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 3.138 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

Instrument :

BNA_E

ClientSampleId :

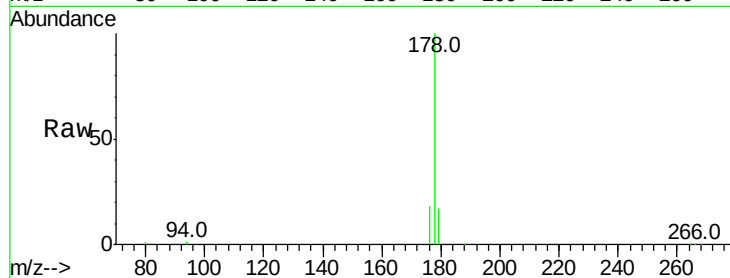
Tot Ion:178 Resp: 90357

Ion Ratio Lower Upper

178 100

179 17.3 18.4 27.6#

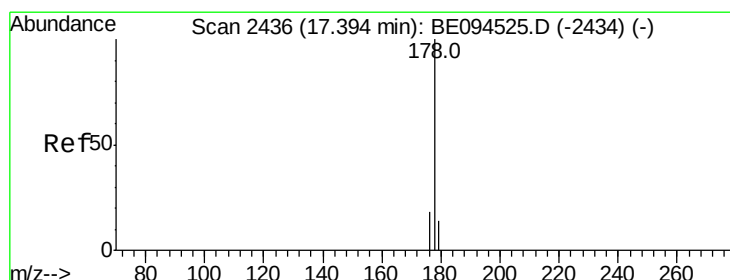
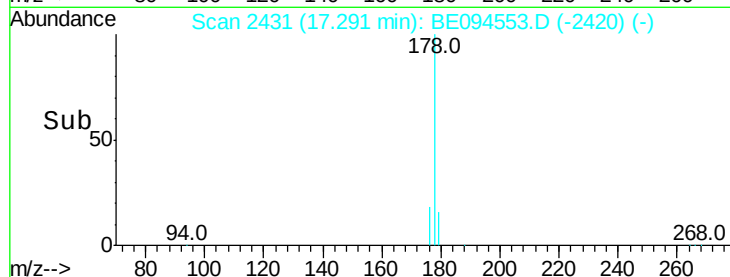
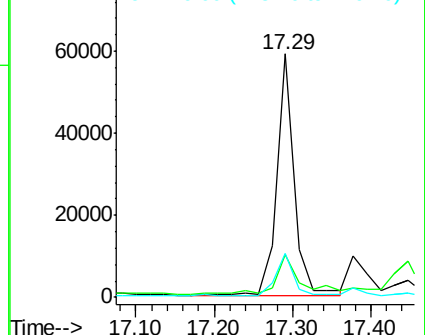
176 18.3 13.6 20.4



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: 0.505 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

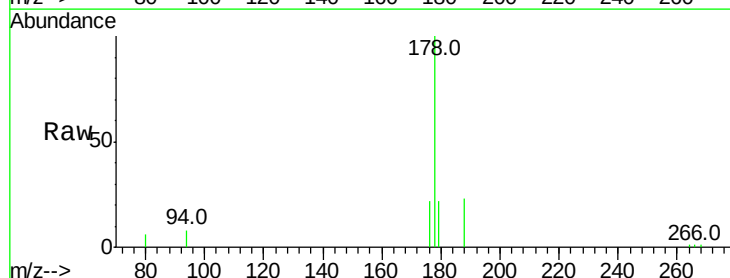
Tgt Ion:178 Resp: 14338

Ion Ratio Lower Upper

178 100

179 22.0 18.1 27.1

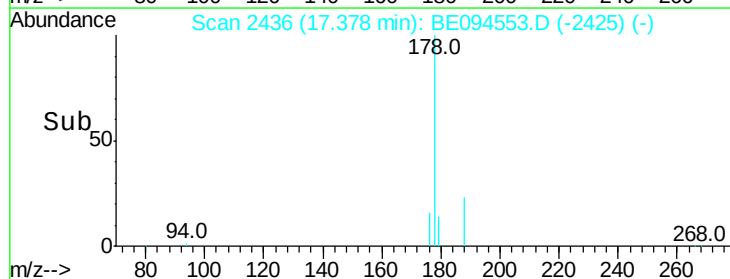
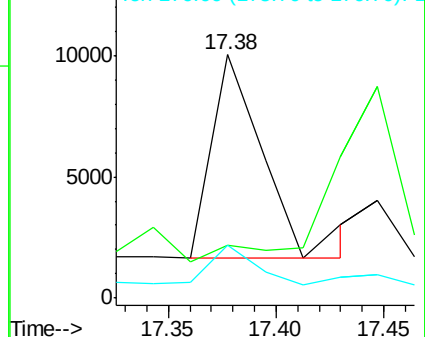
176 21.9 14.7 22.1

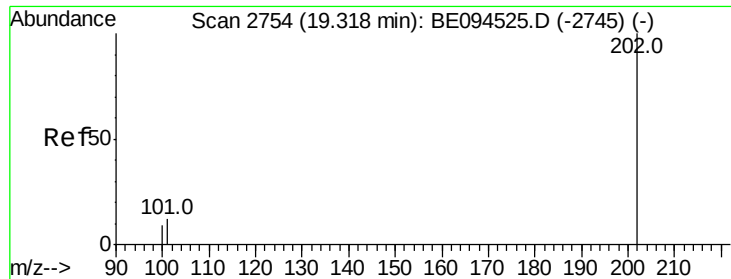


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 2.943 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

Instrument :

BNA_E

ClientSampleId :

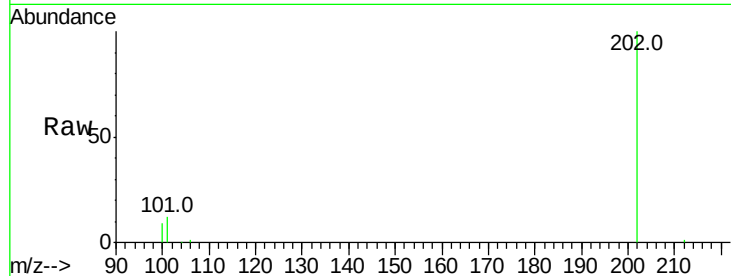
Tot Ion:202 Resp: 97980

Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.3

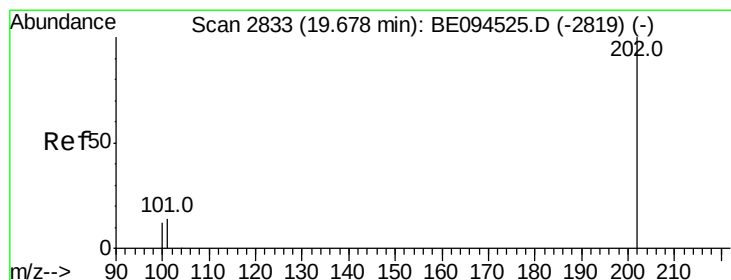
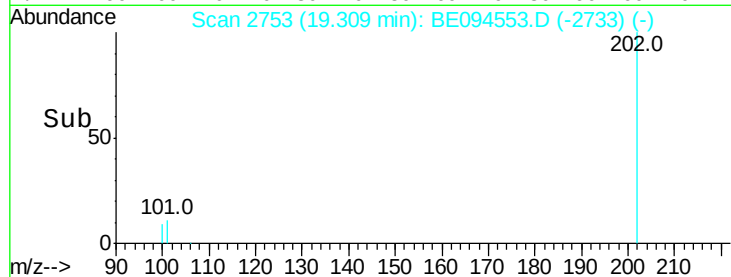
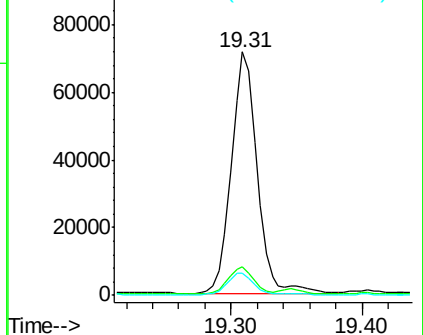
100 9.2 0.0 39.5



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: 2.883 ng/ul

RT: 19.67 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

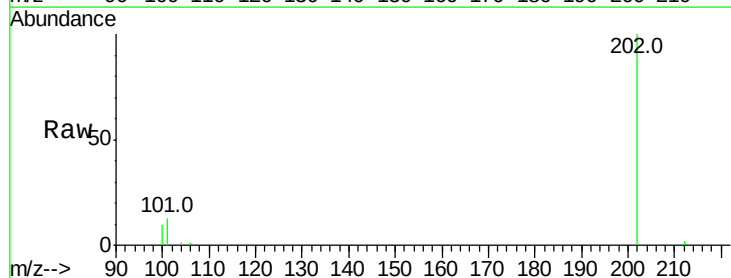
Tgt Ion:202 Resp: 98714

Ion Ratio Lower Upper

202 100

101 13.2 18.2 27.4#

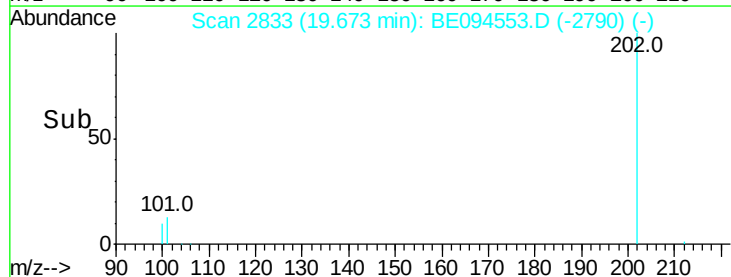
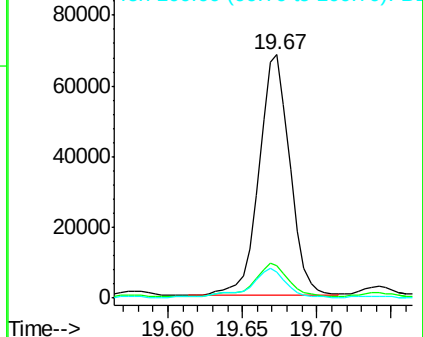
100 10.5 15.6 23.4#

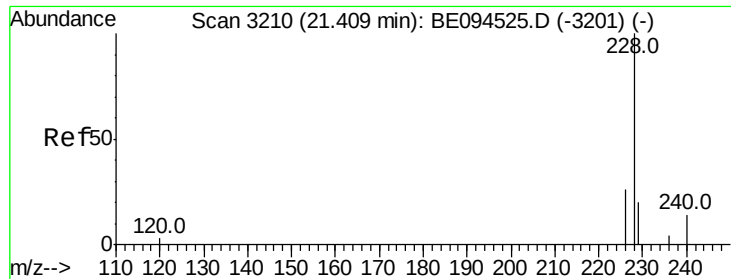


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 1.622 ng/ul

RT: 21.40 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

Instrument :

BNA_E

ClientSampleId :

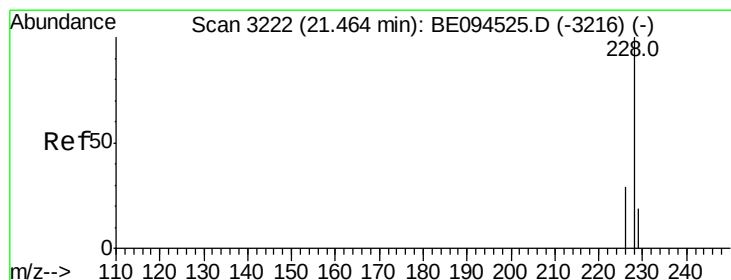
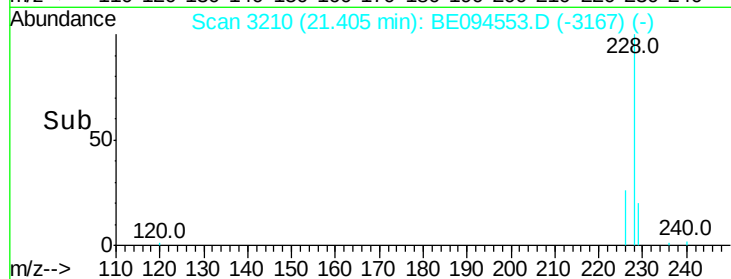
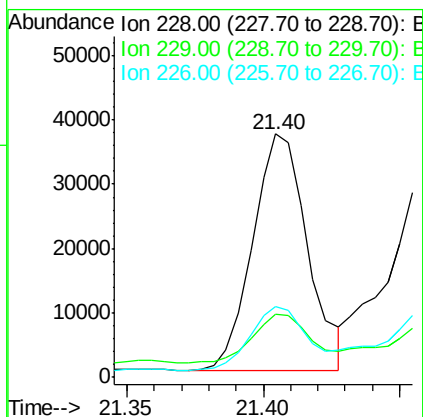
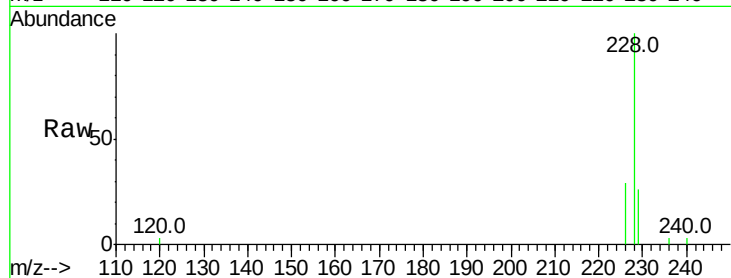
Tot Ion:228 Resp: 51365

Ion Ratio Lower Upper

228 100

229 25.8 22.8 34.2

226 29.3 17.0 25.6#



#19

Chrysene

Concen: 1.688 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

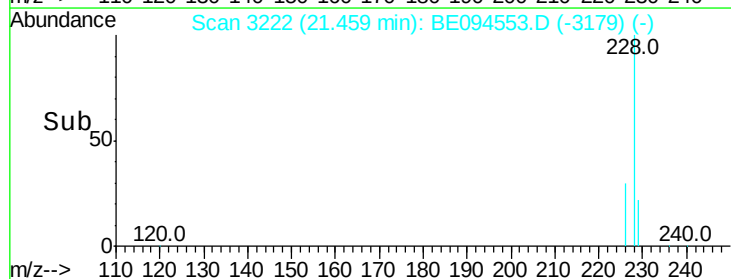
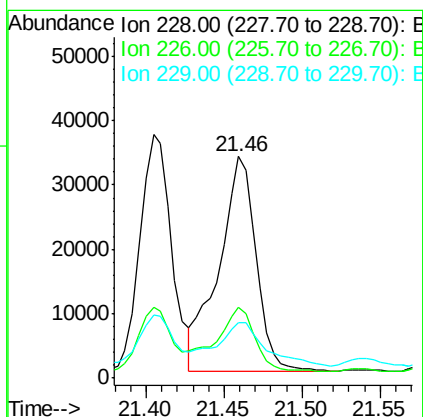
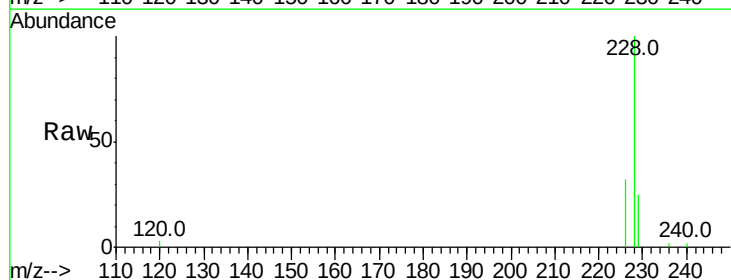
Tgt Ion:228 Resp: 55247

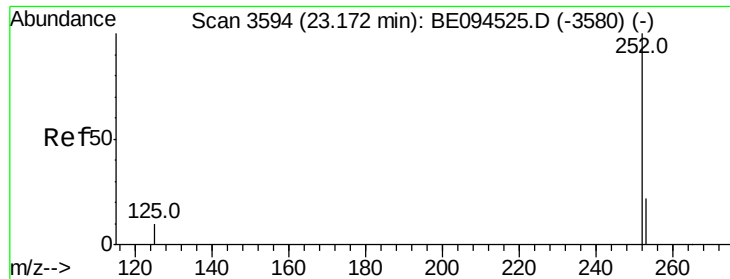
Ion Ratio Lower Upper

228 100

226 32.2 23.4 35.0

229 25.3 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 3.127 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. 0.01 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

Instrument :

BNA_E

ClientSampleId :

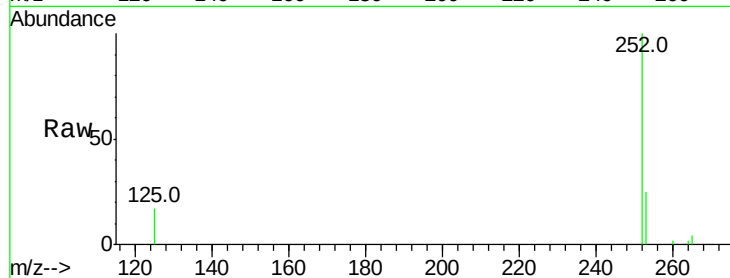
Tot Ion:252 Resp: 99610

Ion Ratio Lower Upper

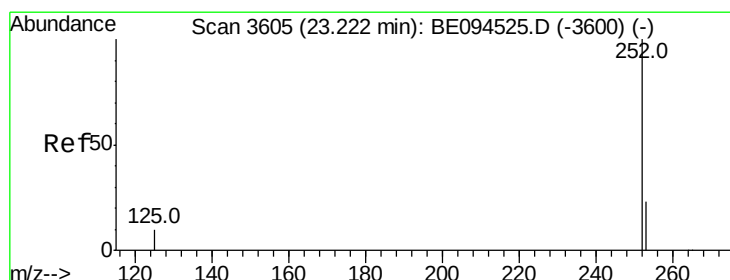
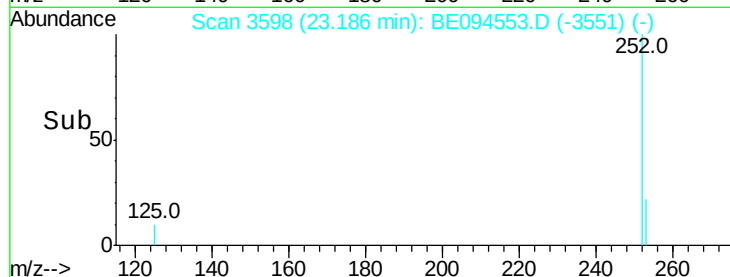
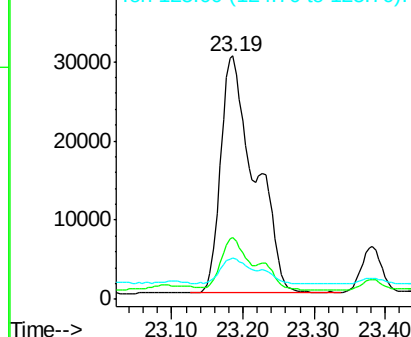
252 100

253 25.5 0.0 64.2

125 17.0 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: 2.921 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.04 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

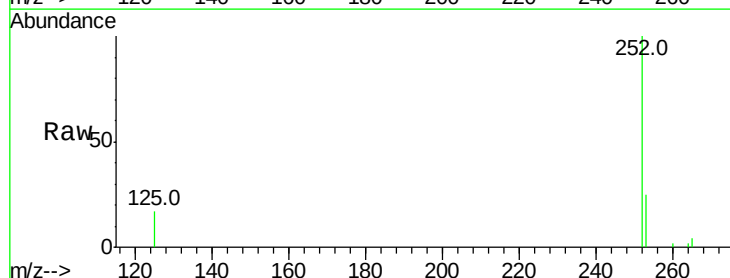
Tgt Ion:252 Resp: 99743

Ion Ratio Lower Upper

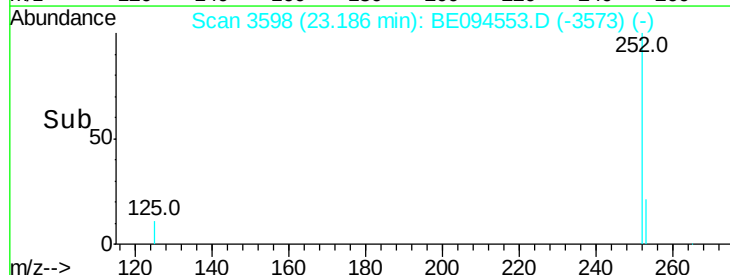
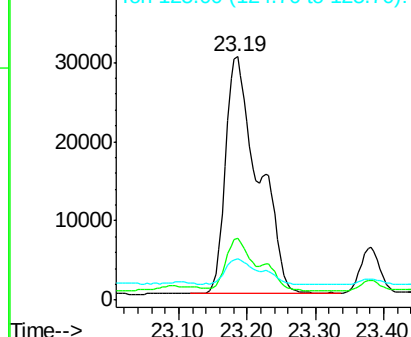
252 100

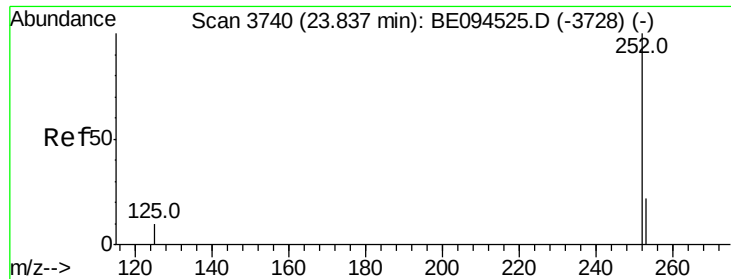
253 25.5 24.5 36.7

125 17.0 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: 1.699 ng/ul

RT: 23.84 min Scan# 3742

Delta R.T. 0.00 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

Instrument :

BNA_E

ClientSampleId :

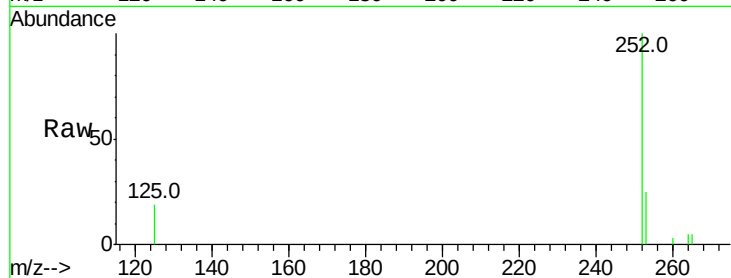
Tot Ion:252 Resp: 54112

Ion Ratio Lower Upper

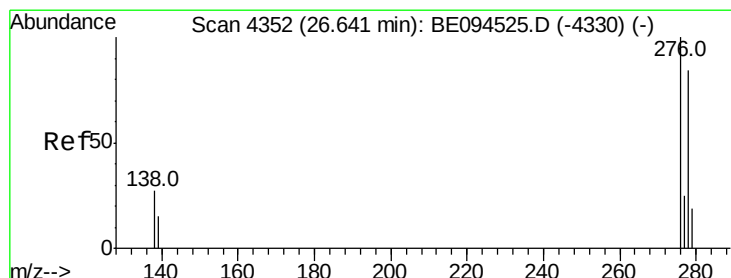
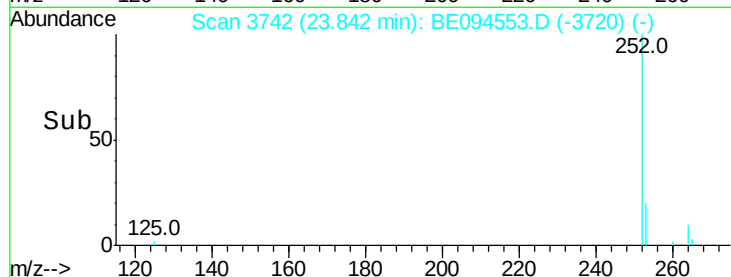
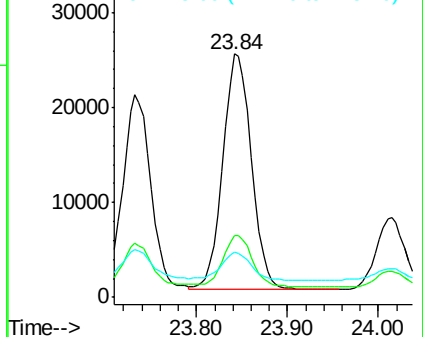
252 100

253 25.3 28.5 42.7#

125 18.6 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: 1.292 ng/ul

RT: 26.65 min Scan# 4355

Delta R.T. 0.01 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

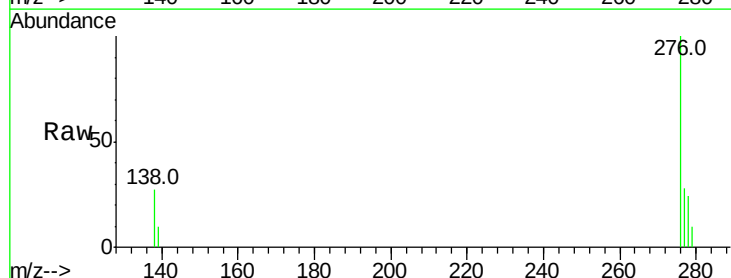
Tgt Ion:276 Resp: 42566

Ion Ratio Lower Upper

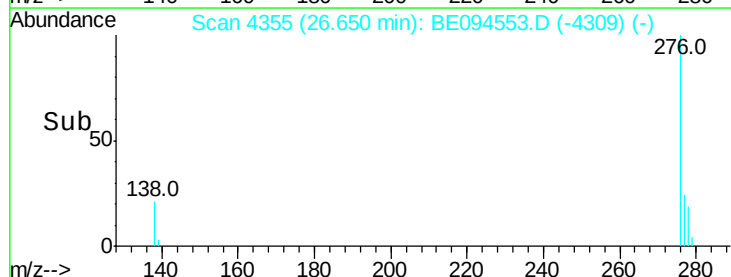
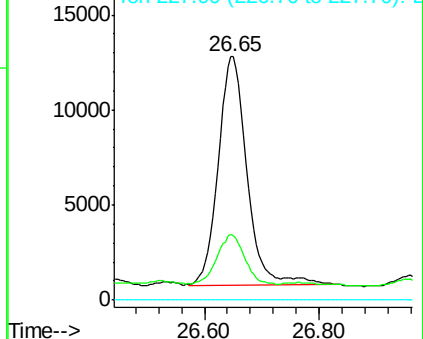
276 100

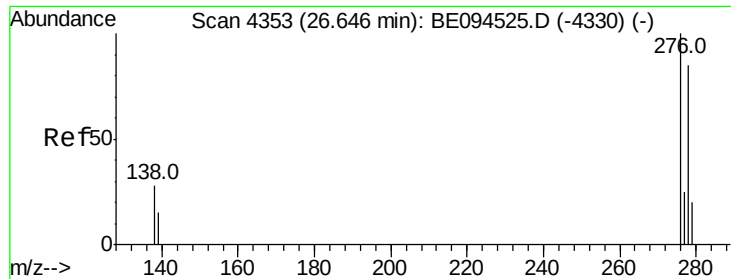
138 20.8 28.0 42.0#

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: 0.377 ng/ul

RT: 26.65 min Scan# 4354

Delta R.T. 0.00 min

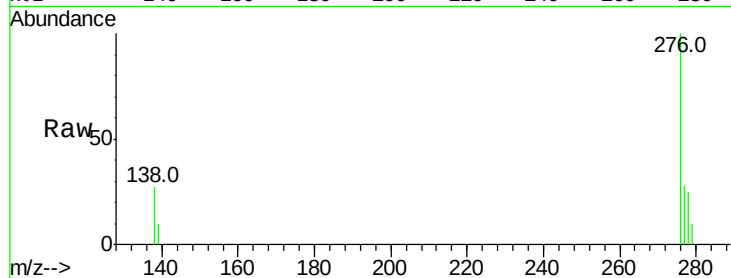
Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

Instrument :

BNA_E

ClientSampleId :



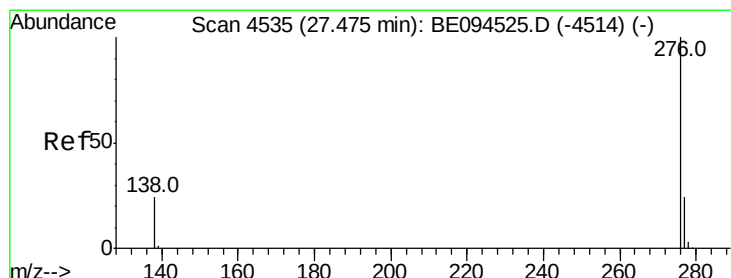
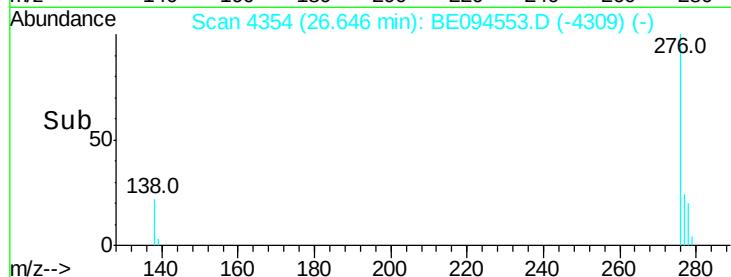
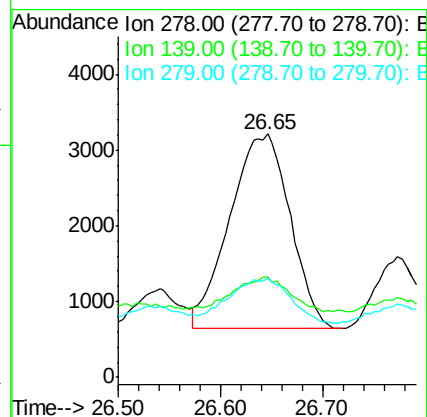
Tot Ion:278 Resp: 10471

Ion Ratio Lower Upper

278 100

139 41.0 17.4 26.0#

279 40.8 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 1.541 ng/ul

RT: 27.49 min Scan# 4539

Delta R.T. 0.01 min

Lab File: BE094553.D

Acq: 26 Oct 2017 3:26

Tgt Ion:276 Resp: 40789

Ion Ratio Lower Upper

276 100

138 28.1 21.8 32.8

277 28.4 20.5 30.7

