

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
 Data File : BE094403.D
 Acq On : 15 Oct 2017 21:14
 Operator : SJ/JU
 Sample : I5548-13DL 5X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 16 07:54:06 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 07:45:00 2017
 Response via : Initial Calibration

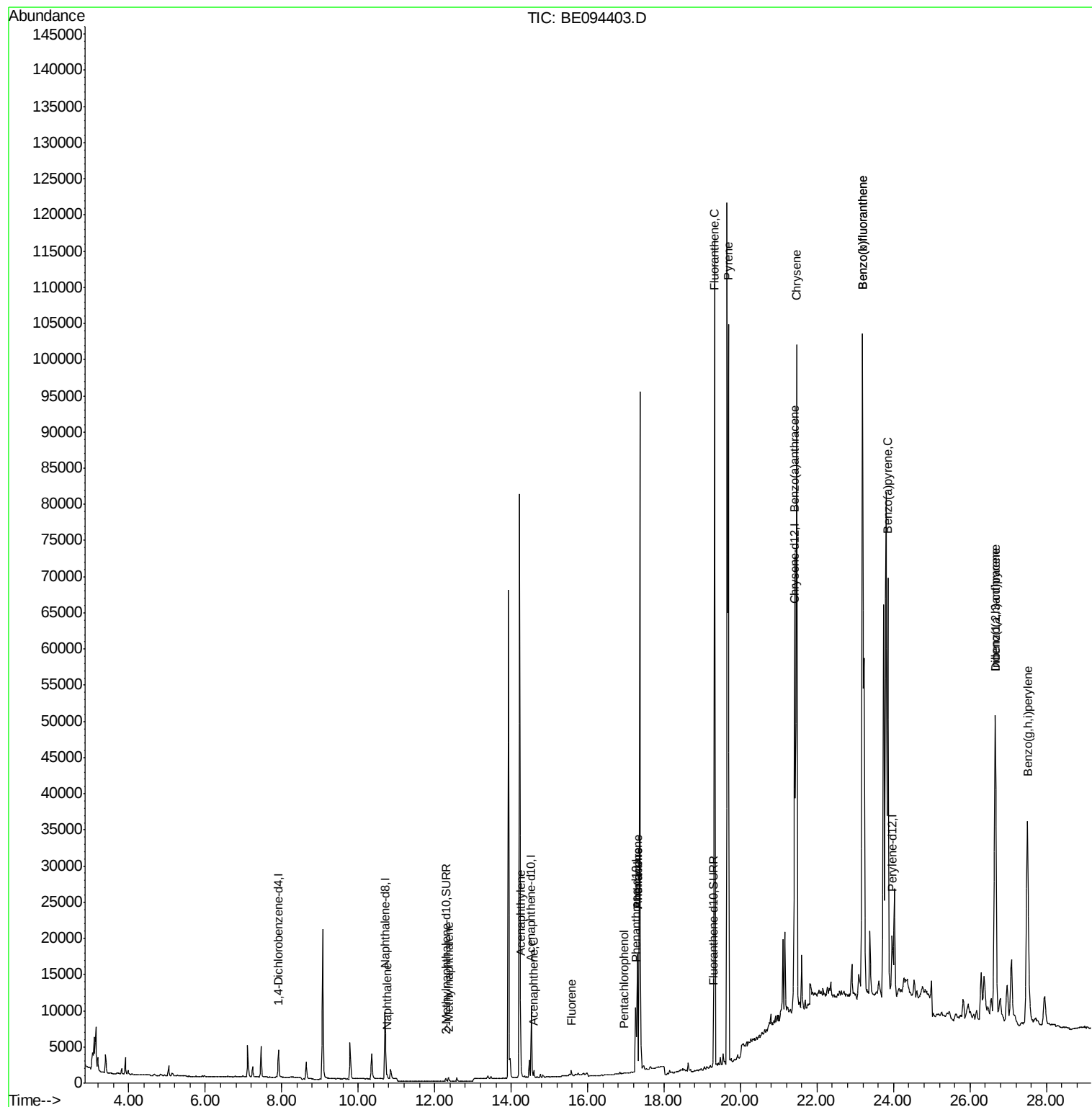
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1945	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	10381	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	5871	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	12290	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	12587	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	11665	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	645	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	1432	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	870	0.034	ng/ul#	80
5) 2-Methylnaphthalene	12.36	142	535	0.032	ng/ul	100
7) Acenaphthylene	14.25	152	840	0.037	ng/ul#	75
8) Acenaphthene	14.59	153	547	0.029	ng/ul	95
9) Fluorene	15.57	166	543	0.025	ng/ul#	78
11) Pentachlorophenol	16.96	266	92	0.064	ng/ul#	42
12) Phenanthrene	17.31	178	24703	0.769	ng/ul	95
13) Anthracene	17.31	178	24518	0.785	ng/ul	94
15) Fluoranthene	19.32	202	128687	3.050	ng/ul	84
17) Pyrene	19.68	202	113821	3.250	ng/ul#	79
18) Benzo(a)anthracene	21.41	228	60658	1.817	ng/ul#	88
19) Chrysene	21.47	228	105696	2.741	ng/ul	95
21) Benzo(b)fluoranthene	23.19	252	220322	6.953	ng/ul	91
22) Benzo(k)fluoranthene	23.19	252	220633	6.024	ng/ul	93
23) Benzo(a)pyrene	23.86	252	90674	2.754	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	26.66	276	81388	2.416	ng/ul#	76
25) Dibenzo(a,h)anthracene	26.66	278	19215	0.680	ng/ul#	71
26) Benzo(g,h,i)perylene	27.50	276	72607	2.499	ng/ul	94

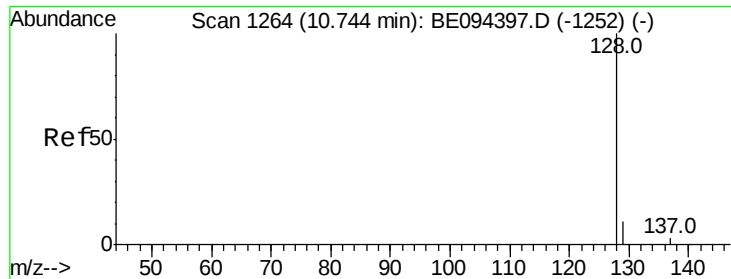
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.034 ng/ul

RT: 10.76 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

Instrument :

BNA_E

ClientSampleId :

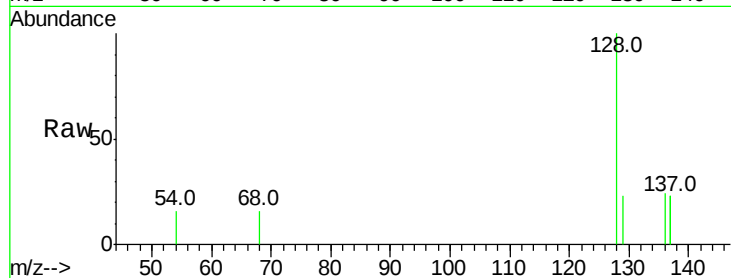
Tot Ion:128 Resp: 870

Ion Ratio Lower Upper

128 100

129 23.1 11.3 16.9#

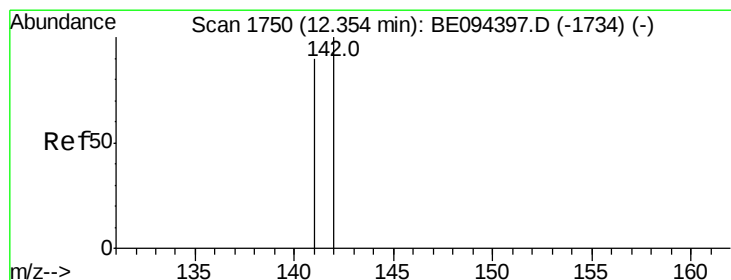
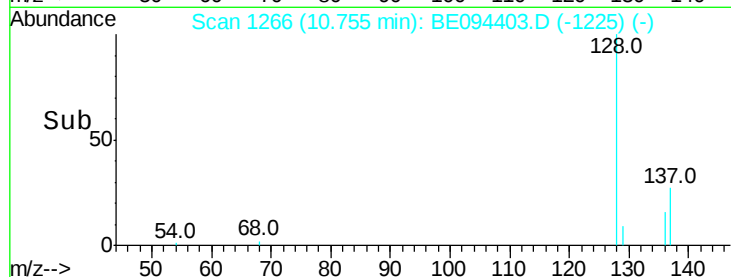
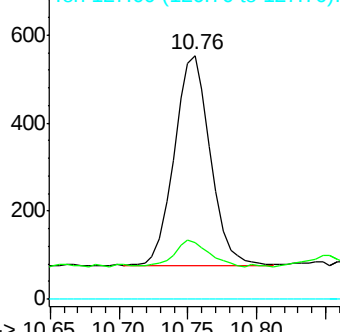
127 0.0 4.0 6.0#



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: 12.36 min Scan# 1753

Delta R.T. 0.01 min

Lab File: BE094403.D

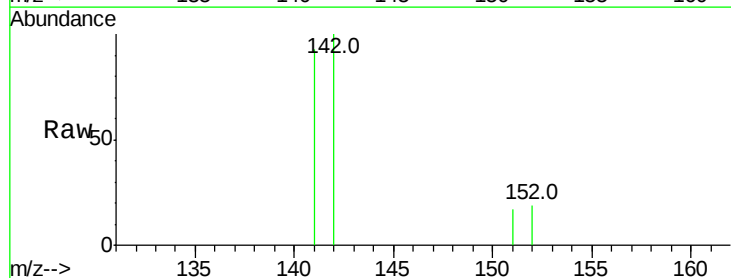
Acq: 15 Oct 2017 21:14

Tgt Ion:142 Resp: 535

Ion Ratio Lower Upper

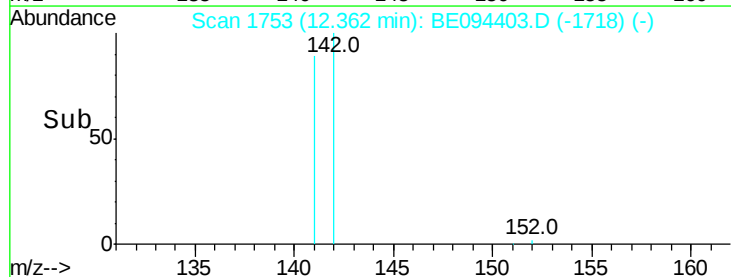
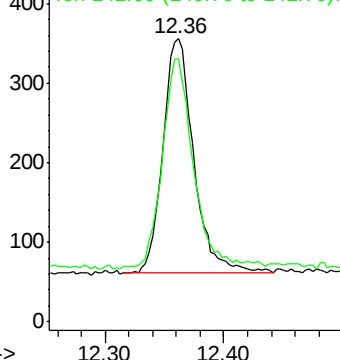
142 100

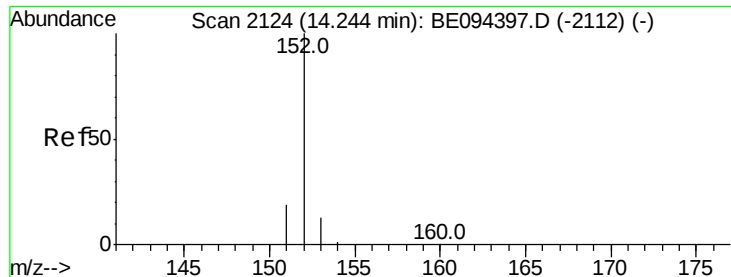
141 91.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.037 ng/ul

RT: 14.25 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

Instrument :

BNA_E

ClientSampleId :

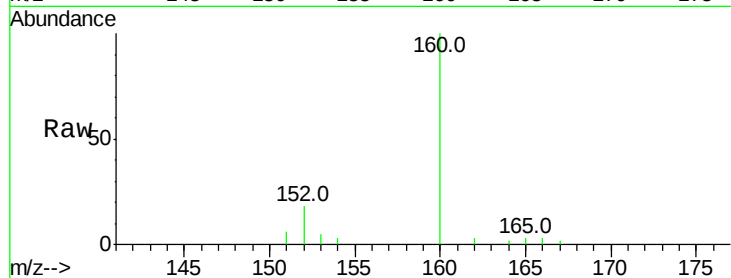
Tot Ion:152 Resp: 840

Ion Ratio Lower Upper

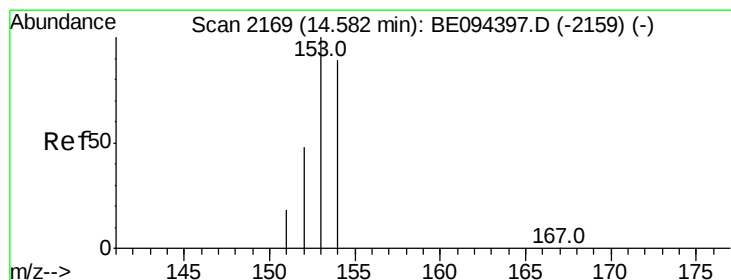
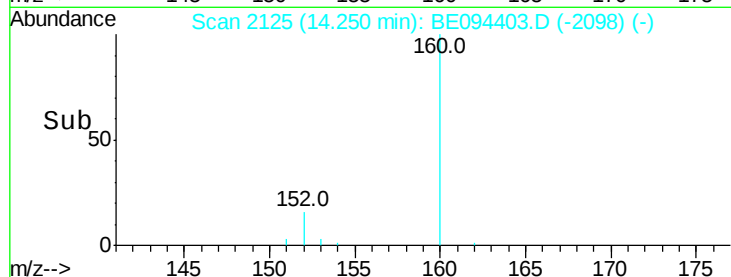
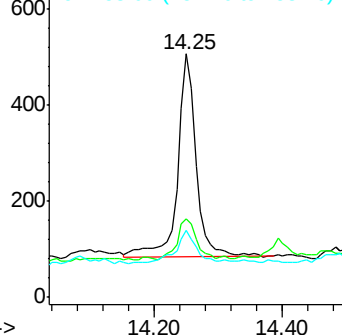
152 100

151 32.5 17.1 25.7#

153 27.8 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: 0.029 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. 0.01 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

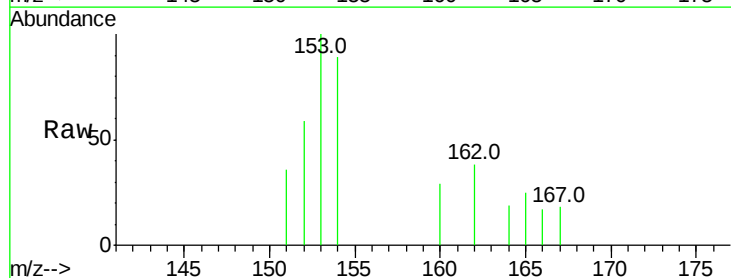
Tgt Ion:153 Resp: 547

Ion Ratio Lower Upper

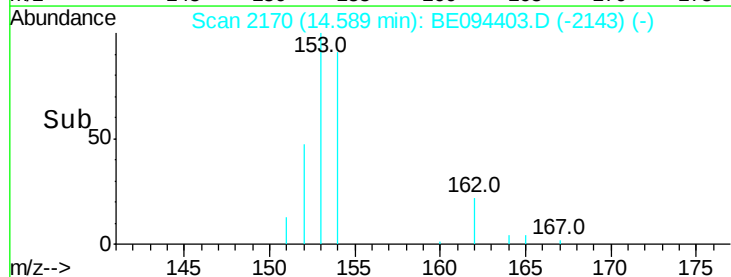
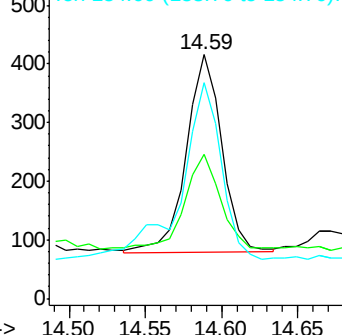
153 100

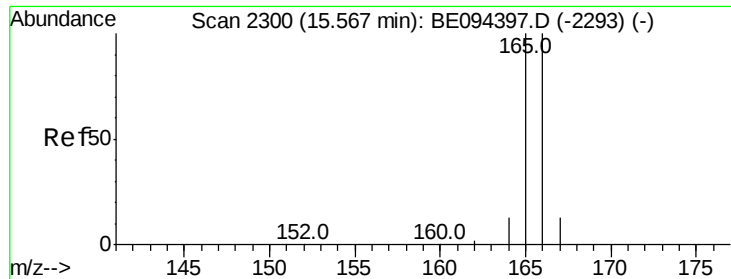
152 59.1 40.3 60.5

154 88.7 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: 0.025 ng/ul

RT: 15.57 min Scan# 2301

Delta R.T. 0.01 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

Instrument :

BNA_E

ClientSampled :

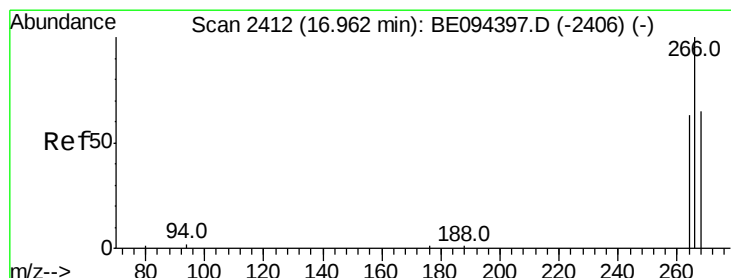
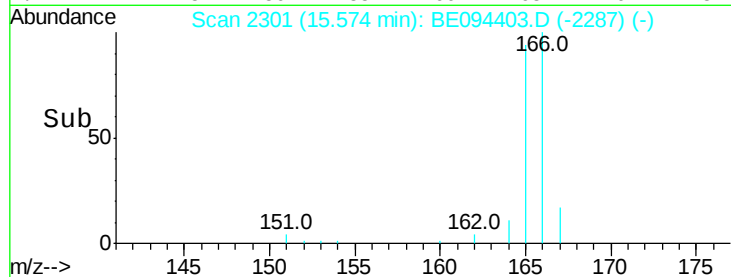
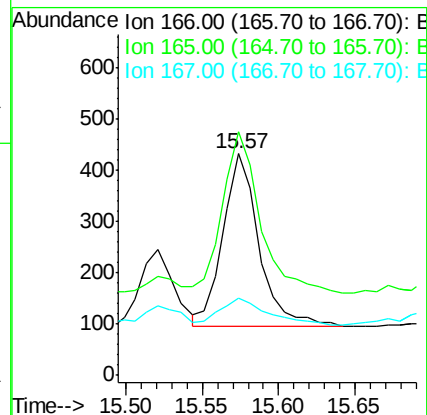
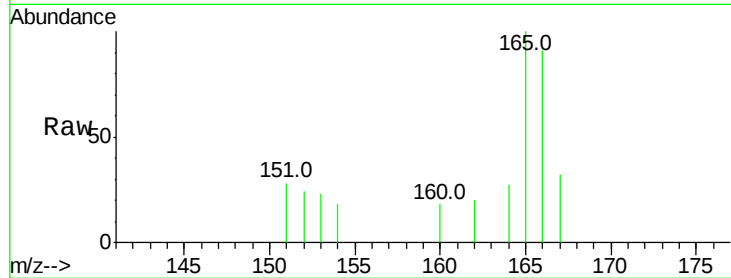
Tot Ion:166 Resp: 543

Ion Ratio Lower Upper

166 100

165 109.7 73.4 110.2

167 34.7 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.064 ng/ul

RT: 16.96 min Scan# 2412

Delta R.T. 0.00 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

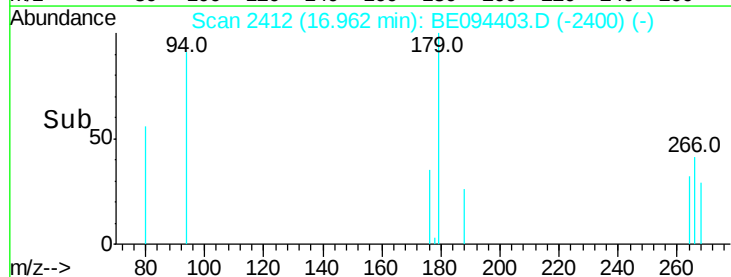
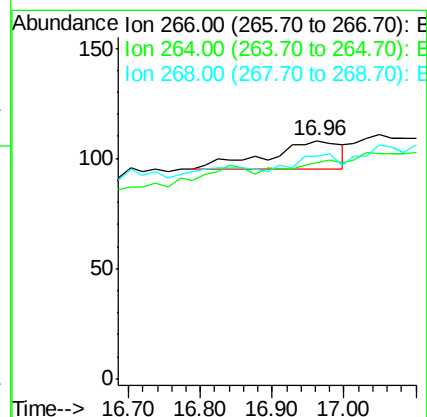
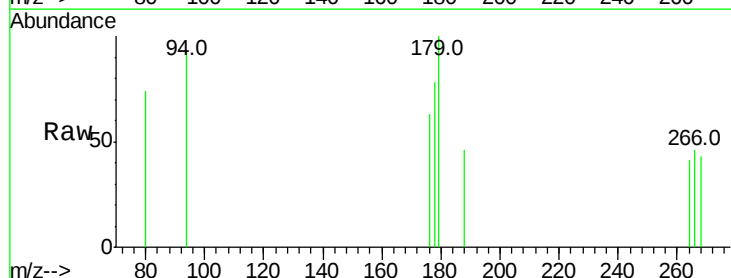
Tgt Ion:266 Resp: 92

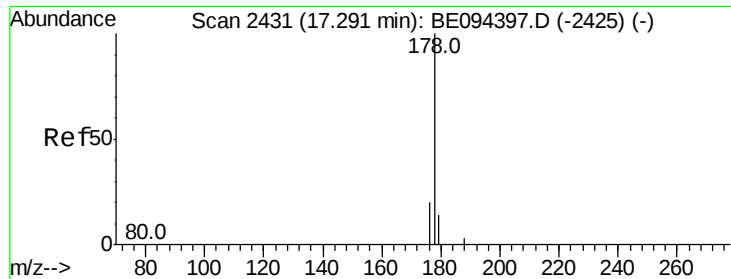
Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

268 33.7 49.8 74.8#





#12

Phenanthrene

Concen: 0.769 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. 0.02 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

Instrument :

BNA_E

ClientSampleId :

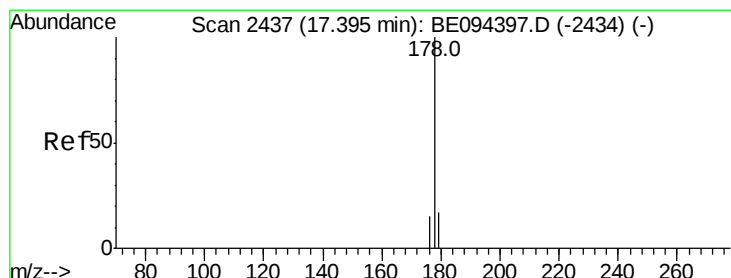
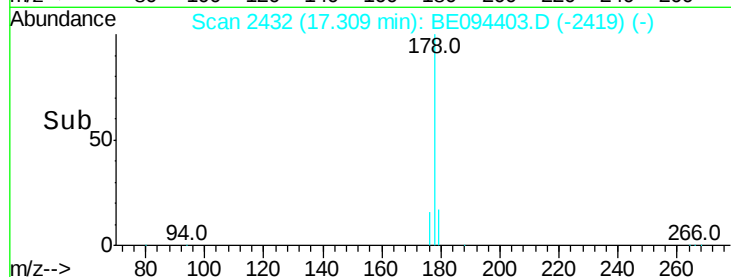
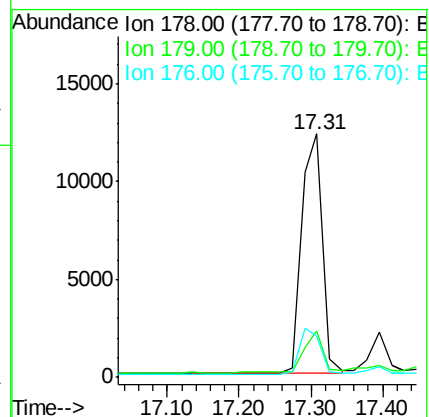
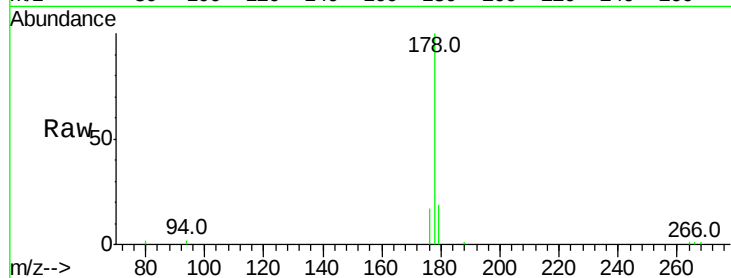
Tot Ion:178 Resp: 24703

Ion Ratio Lower Upper

178 100

179 19.1 18.4 27.6

176 16.8 13.6 20.4



#13

Anthracene

Concen: 0.785 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. -0.09 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

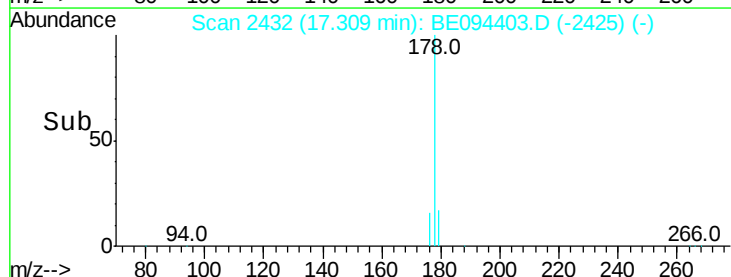
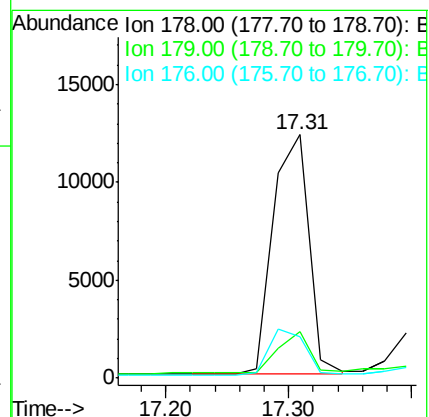
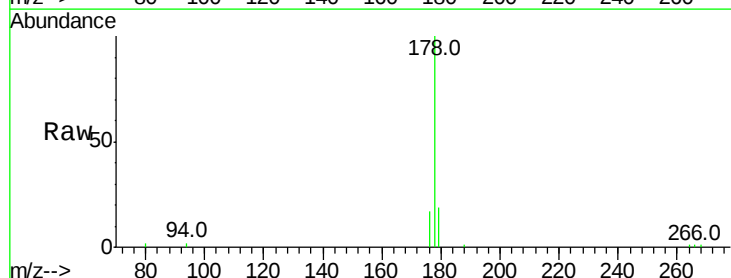
Tgt Ion:178 Resp: 24518

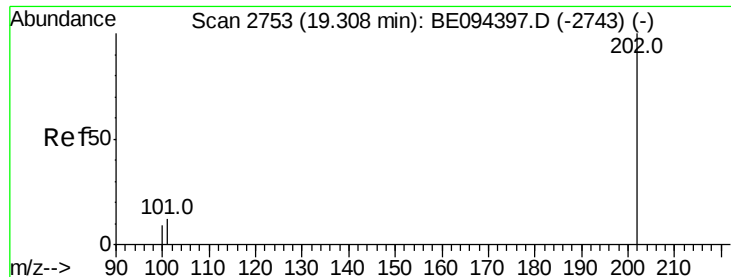
Ion Ratio Lower Upper

178 100

179 19.1 18.1 27.1

176 16.8 14.7 22.1





#15

Fluoranthene

Concen: 3.050 ng/ul

RT: 19.32 min Scan# 2755

Delta R.T. 0.01 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

Instrument :

BNA_E

ClientSampleId :

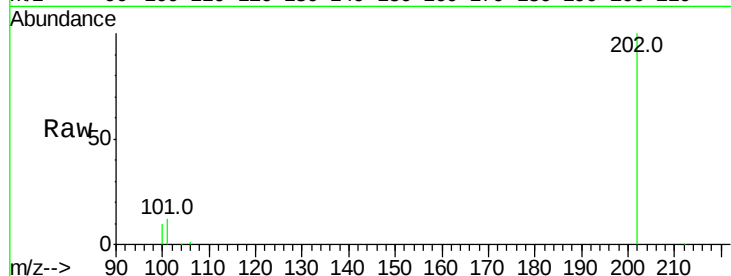
Tot Ion:202 Resp: 128687

Ion Ratio Lower Upper

202 100

101 11.9 0.0 30.3

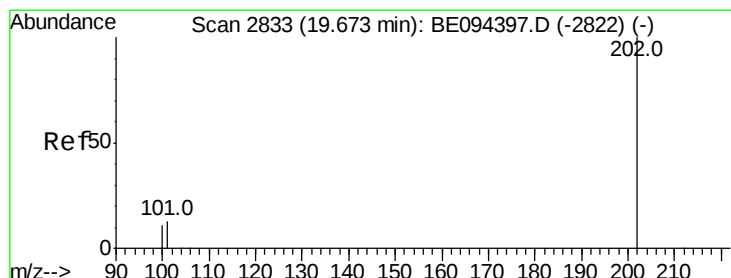
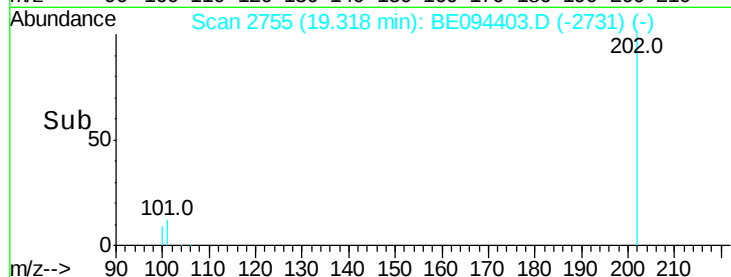
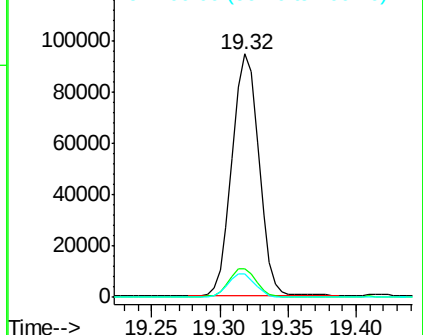
100 9.5 0.0 39.5



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: 3.250 ng/ul

RT: 19.68 min Scan# 2835

Delta R.T. 0.01 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

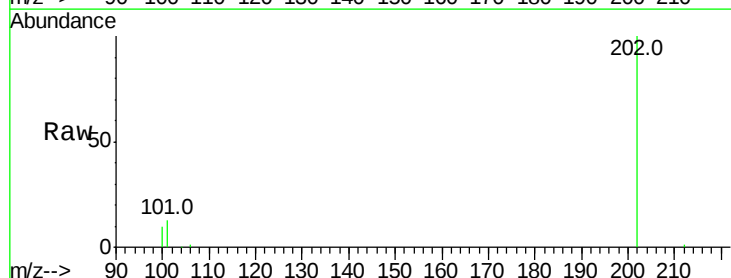
Tgt Ion:202 Resp: 113821

Ion Ratio Lower Upper

202 100

101 12.6 18.2 27.4#

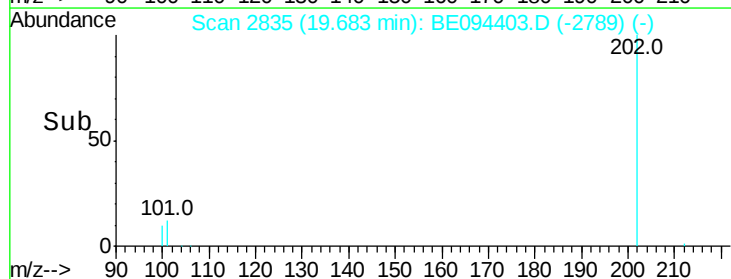
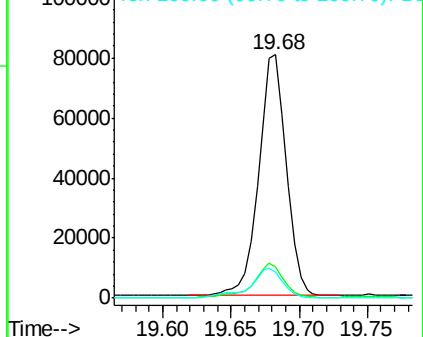
100 10.5 15.6 23.4#

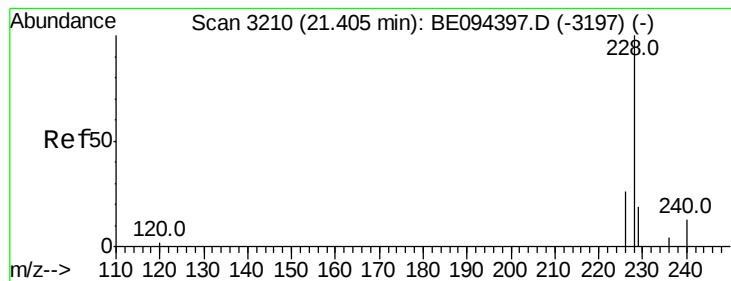


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 1.817 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. 0.01 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

Instrument :

BNA_E

ClientSampleId :

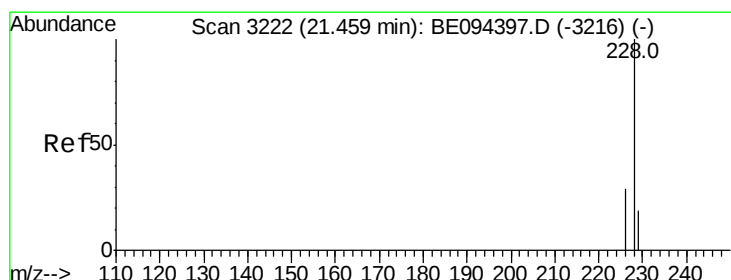
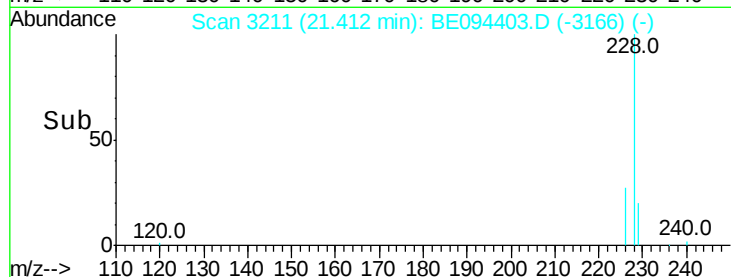
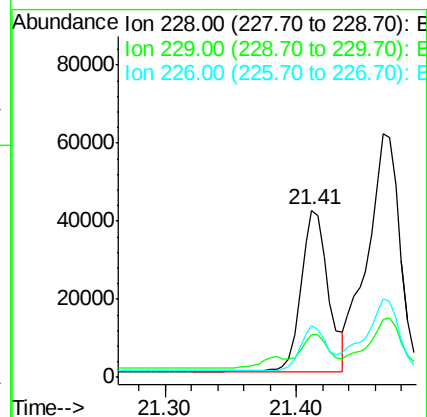
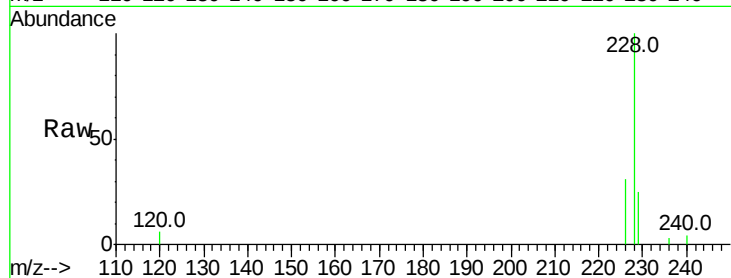
Tot Ion:228 Resp: 60658

Ion Ratio Lower Upper

228 100

229 25.5 22.8 34.2

226 30.5 17.0 25.6#



#19

Chrysene

Concen: 2.741 ng/ul

RT: 21.47 min Scan# 3223

Delta R.T. 0.01 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

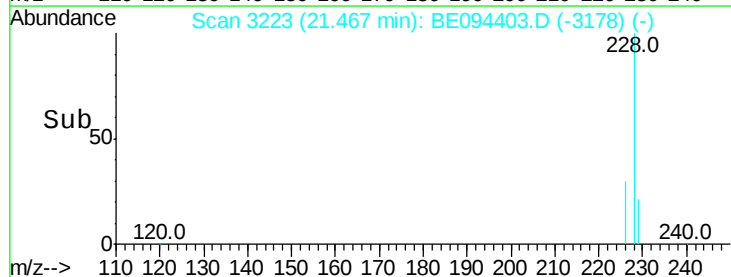
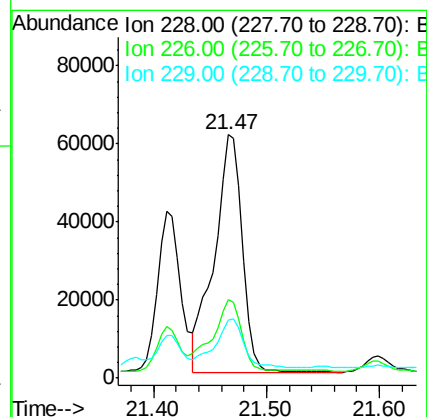
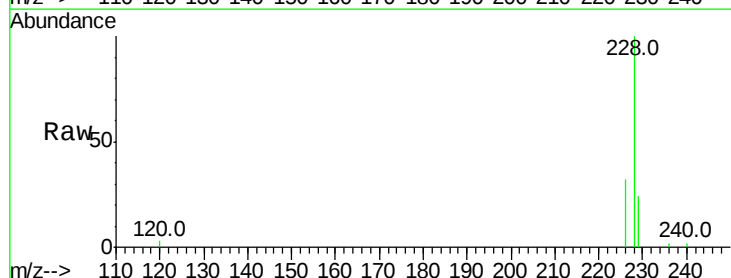
Tgt Ion:228 Resp: 105696

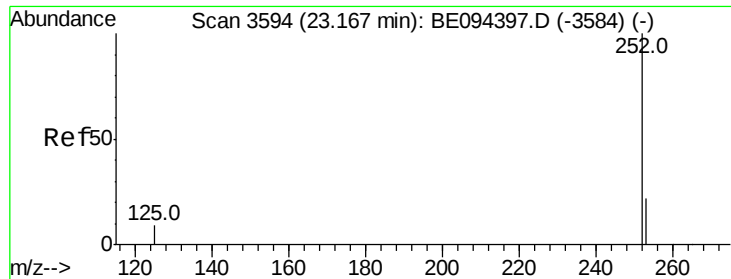
Ion Ratio Lower Upper

228 100

226 32.1 23.4 35.0

229 24.0 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 6.953 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. 0.02 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

Instrument :

BNA_E

ClientSampleId :

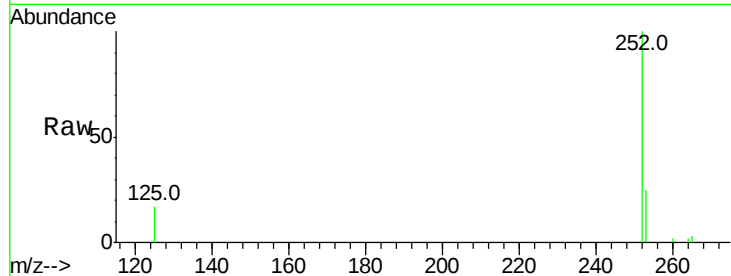
Tot Ion:252 Resp: 220322

Ion Ratio Lower Upper

252 100

253 24.7 0.0 64.2

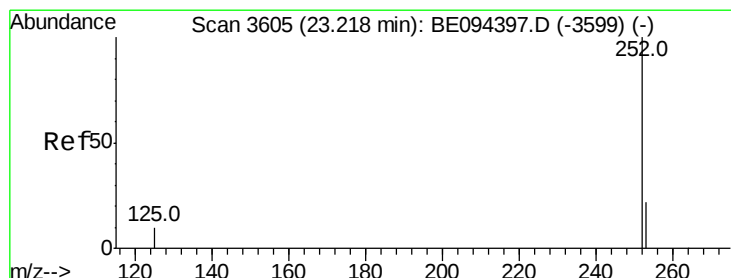
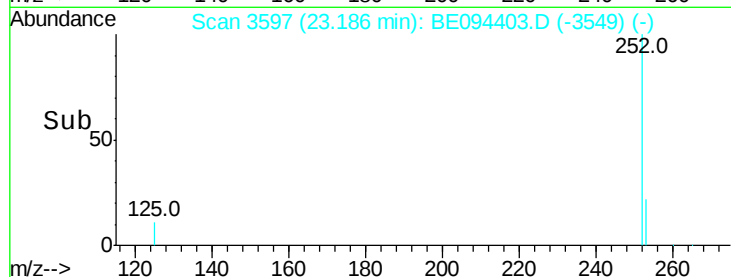
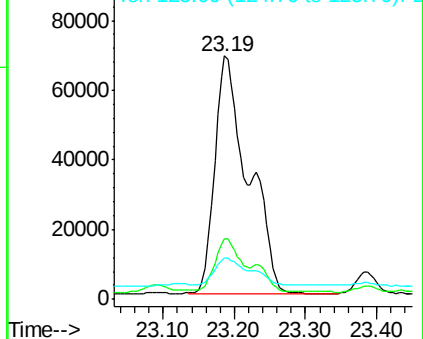
125 16.9 0.0 35.0



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: 6.024 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. -0.03 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

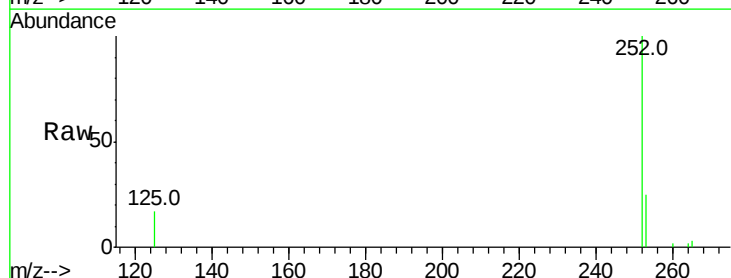
Tgt Ion:252 Resp: 220633

Ion Ratio Lower Upper

252 100

253 24.7 24.5 36.7

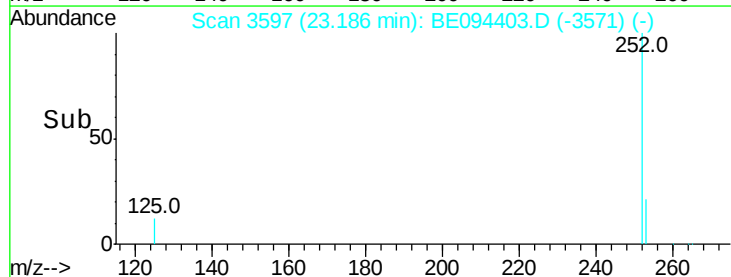
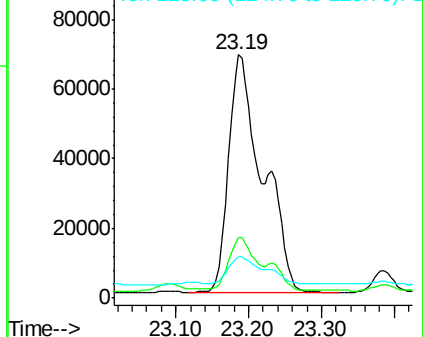
125 16.9 13.7 20.5

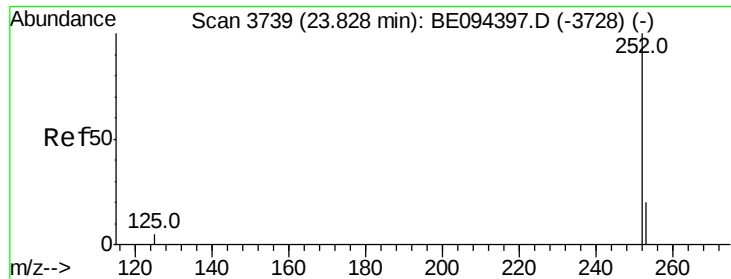


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.754 ng/ul

RT: 23.86 min Scan# 3744

Delta R.T. 0.03 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

Instrument :

BNA_E

ClientSampleId :

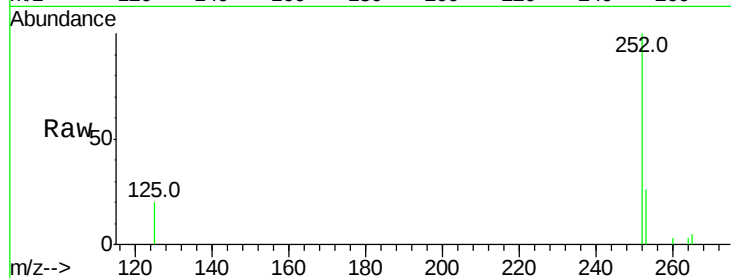
Tot Ion:252 Resp: 90674

Ion Ratio Lower Upper

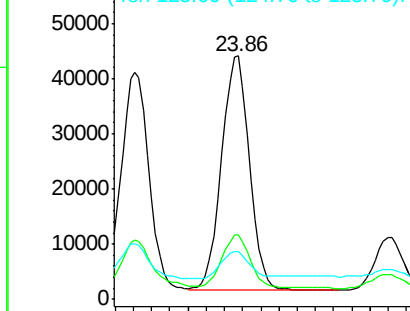
252 100

253 26.5 28.5 42.7#

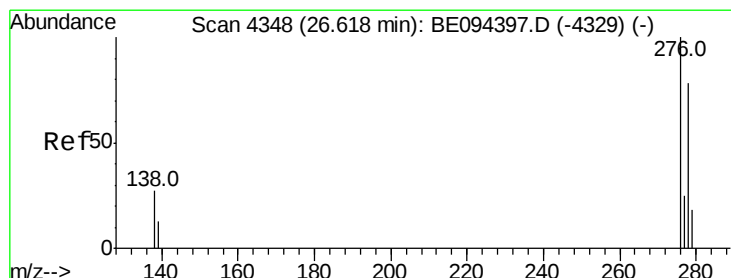
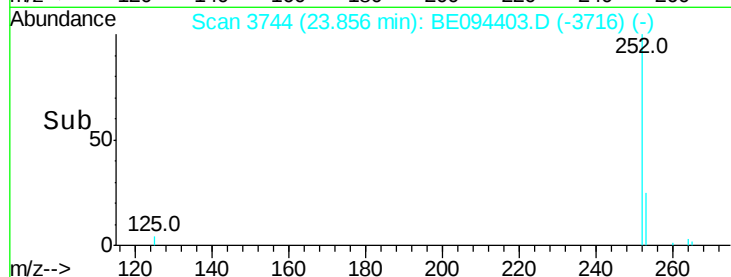
125 19.7 18.1 27.1



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: 2.416 ng/ul

RT: 26.66 min Scan# 4356

Delta R.T. 0.04 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

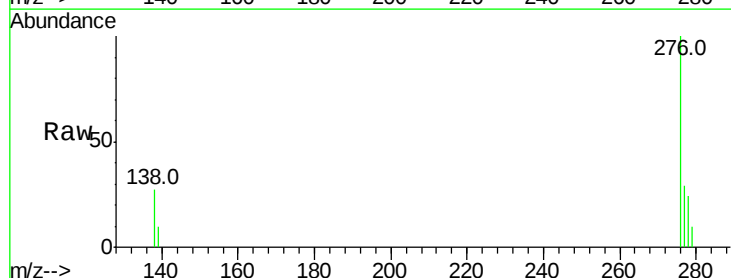
Tgt Ion:276 Resp: 81388

Ion Ratio Lower Upper

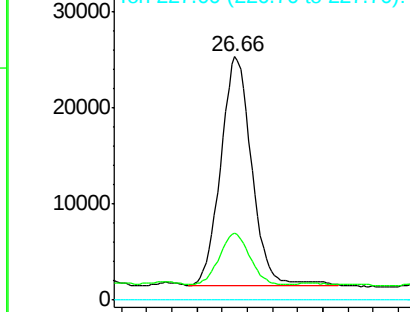
276 100

138 21.7 28.0 42.0#

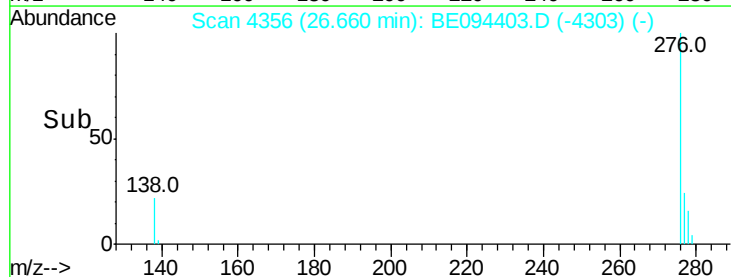
227 0.0 8.0 12.0#

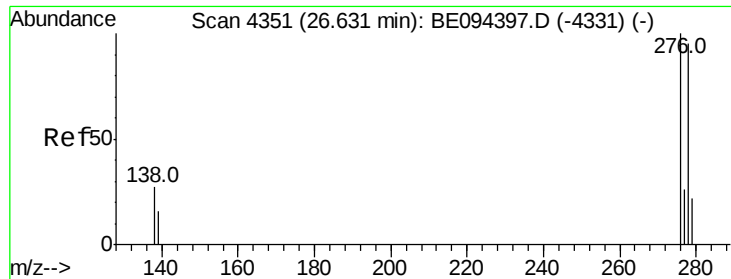


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



Time-->





#25

Dibenzo(a,h)anthracene

Concen: 0.680 ng/ul

RT: 26.66 min Scan# 4356

Delta R.T. 0.03 min

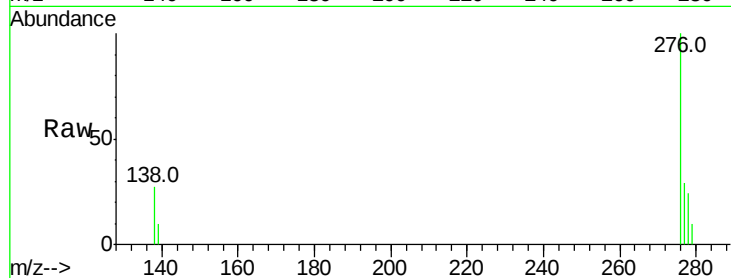
Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

Instrument :

BNA_E

ClientSampleId :



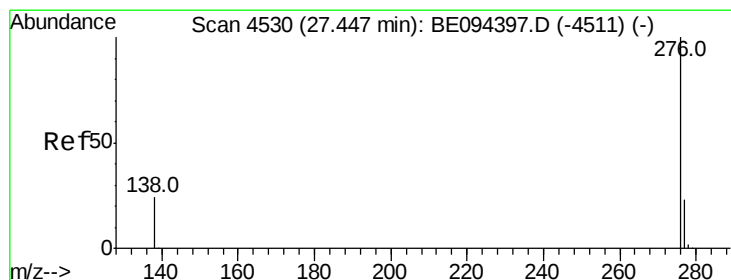
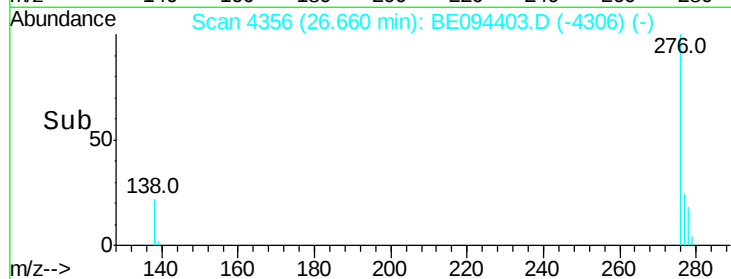
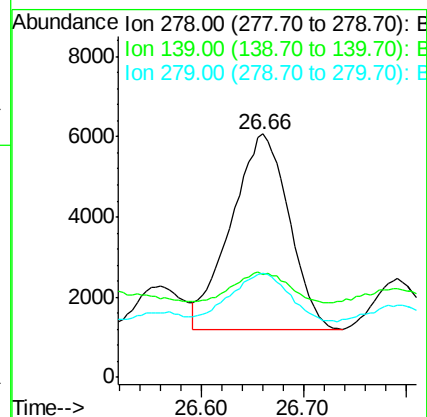
Tot Ion:278 Resp: 19215

Ion Ratio Lower Upper

278 100

139 42.3 17.4 26.0#

279 42.8 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 2.499 ng/ul

RT: 27.50 min Scan# 4541

Delta R.T. 0.06 min

Lab File: BE094403.D

Acq: 15 Oct 2017 21:14

Tgt Ion:276 Resp: 72607

Ion Ratio Lower Upper

276 100

138 29.7 21.8 32.8

277 29.4 20.5 30.7

