

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094570.D
 Acq On : 26 Oct 2017 19:54
 Operator : SJ/JU
 Sample : I5873-07 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 07:42:16 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 04:05:19 2017
 Response via : Initial Calibration

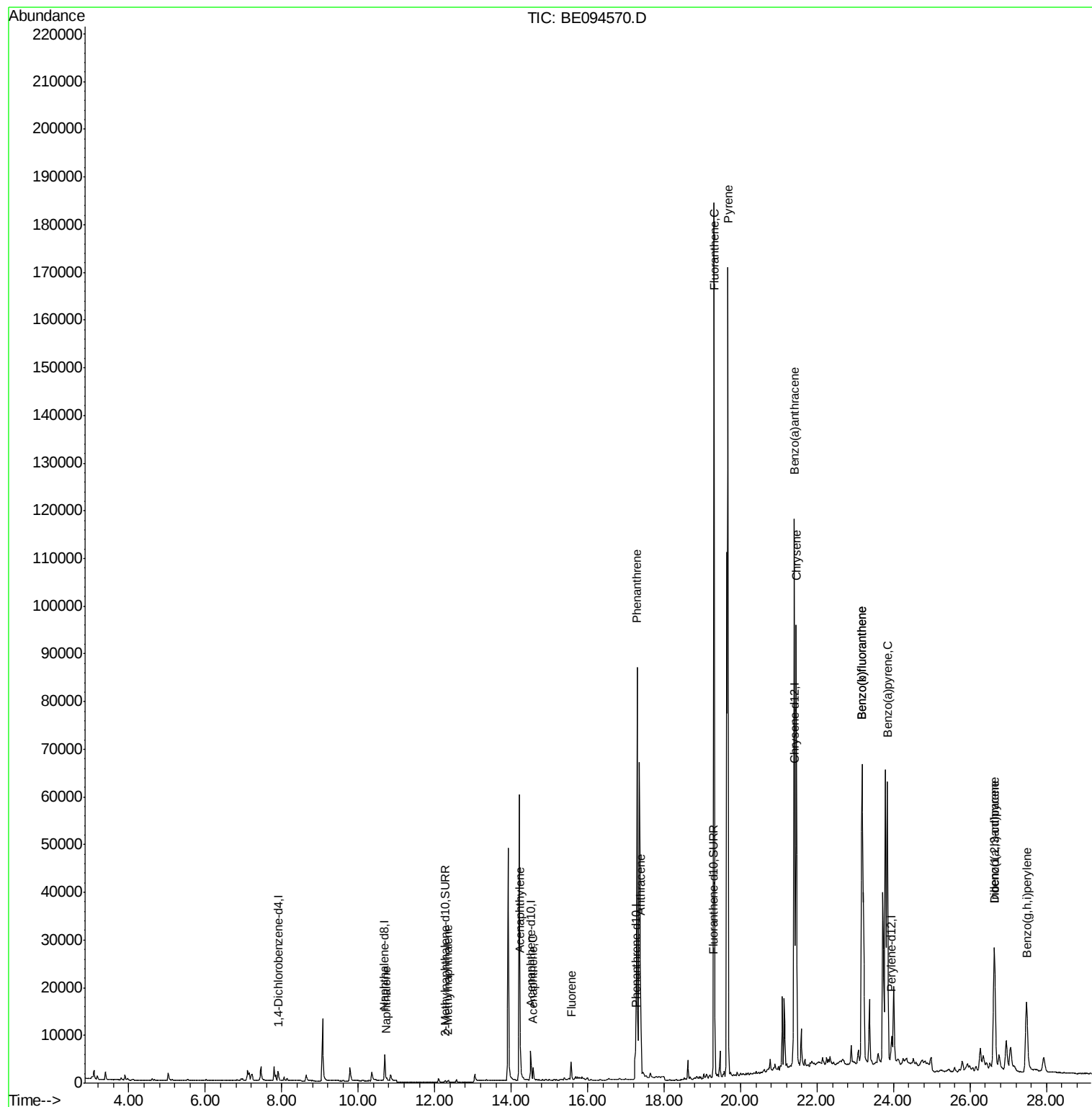
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1103	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	6532	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	3823	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8660	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	8367	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	7936	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	536	0.05	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	1449	0.06	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	808	0.051	ng/ul#	81
5) 2-Methylnaphthalene	12.35	142	492	0.044	ng/ul	94
7) Acenaphthylene	14.24	152	6909	0.400	ng/ul	99
8) Acenaphthene	14.57	153	1716	0.138	ng/ul	94
9) Fluorene	15.57	166	2757	0.198	ng/ul	94
12) Phenanthrene	17.29	178	97538	4.264	ng/ul#	91
13) Anthracene	17.38	178	27610	1.223	ng/ul#	91
15) Fluoranthene	19.31	202	210942	7.977	ng/ul	83
17) Pyrene	19.67	202	191943	7.421	ng/ul#	79
18) Benzo(a)anthracene	21.40	228	112424	4.700	ng/ul#	87
19) Chrysene	21.46	228	96147	3.889	ng/ul	98
21) Benzo(b)fluoranthene	23.17	252	166787	7.471	ng/ul	87
22) Benzo(k)fluoranthene	23.17	252	166787	6.972	ng/ul#	89
23) Benzo(a)pyrene	23.84	252	93447	4.188	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.65	276	53593	2.321	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.63	278	13764	0.707	ng/ul#	90
26) Benzo(a,h,i)perylene	27.48	276	40215	2.169	ng/ul	97

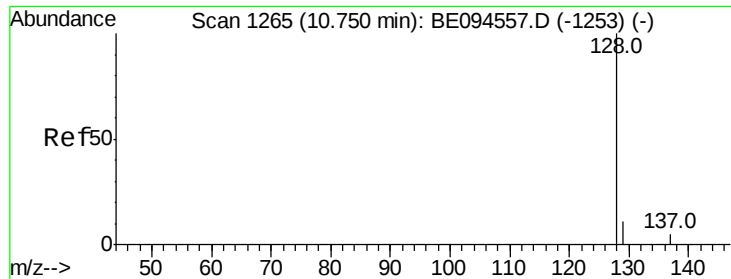
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.051 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094570.D

Acq: 26 Oct 2017 19:54

Instrument :

BNA_E

ClientSampleId :

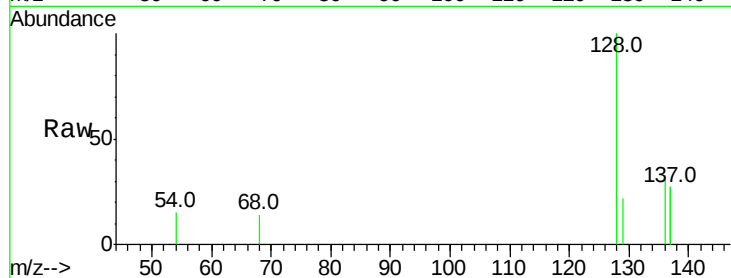
Tot Ion:128 Resp: 808

Ion Ratio Lower Upper

128 100

129 22.3 11.3 16.9#

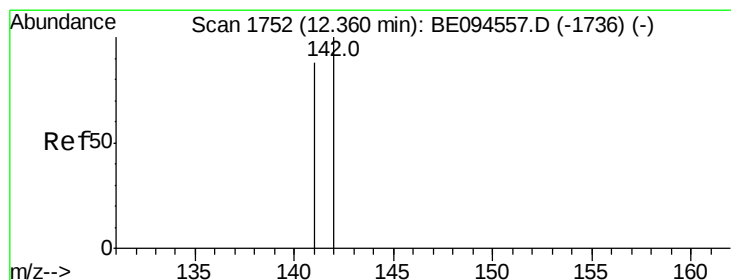
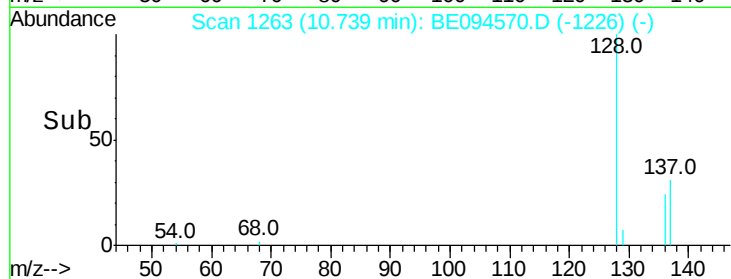
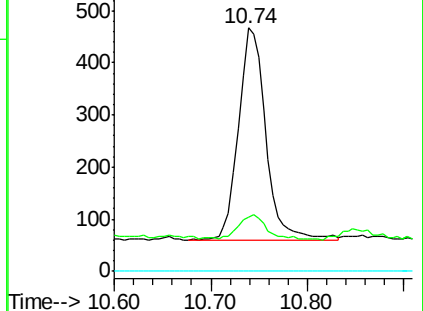
127 0.0 4.0 6.0#



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: 0.044 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094570.D

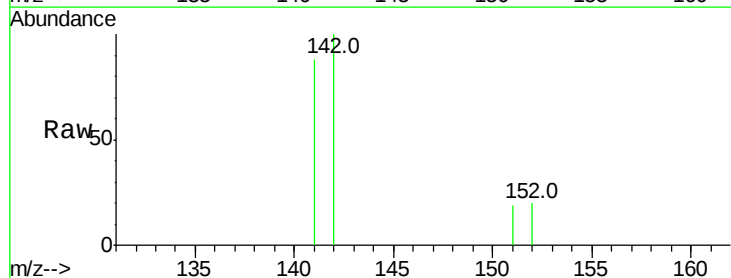
Acq: 26 Oct 2017 19:54

Tgt Ion:142 Resp: 492

Ion Ratio Lower Upper

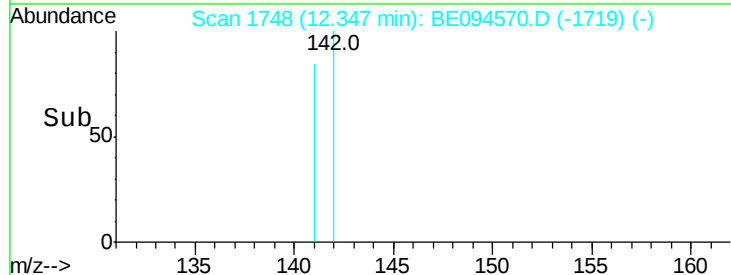
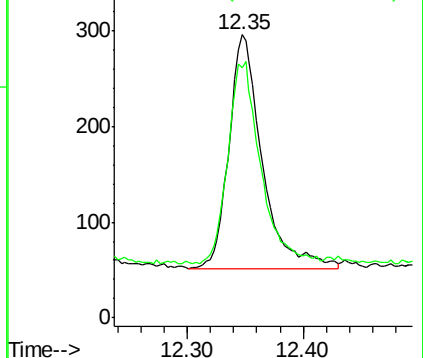
142 100

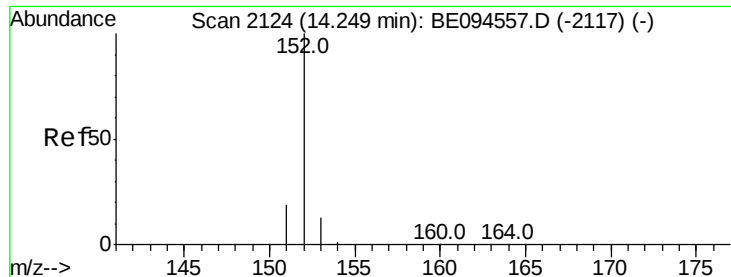
141 85.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.400 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094570.D

Acq: 26 Oct 2017 19:54

Instrument :

BNA_E

ClientSampleId :

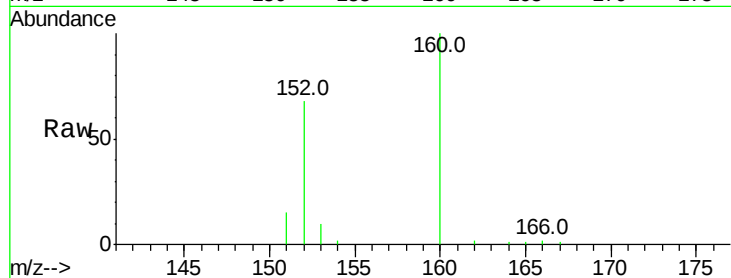
Tot Ion:152 Resp: 6909

Ion Ratio Lower Upper

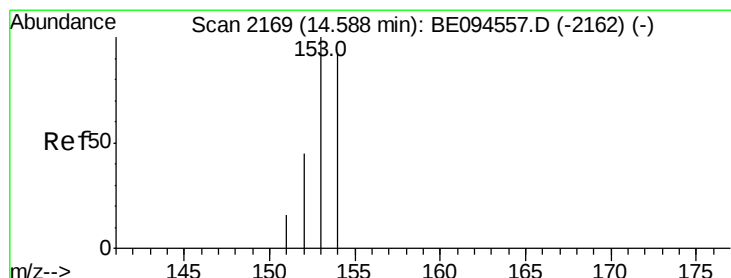
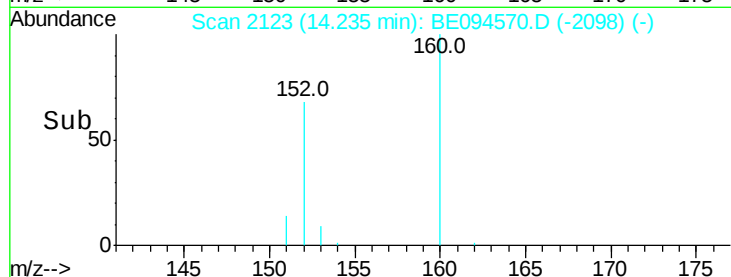
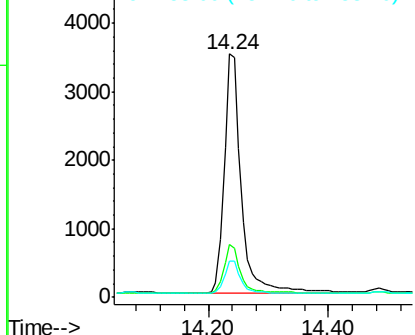
152 100

151 21.7 17.1 25.7

153 14.9 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: 0.138 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094570.D

Acq: 26 Oct 2017 19:54

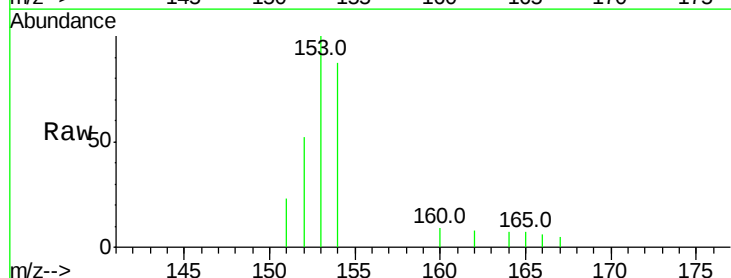
Tgt Ion:153 Resp: 1716

Ion Ratio Lower Upper

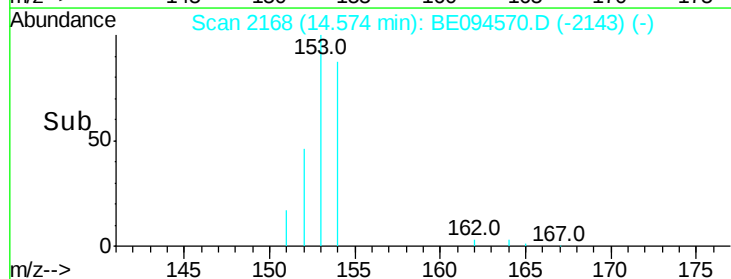
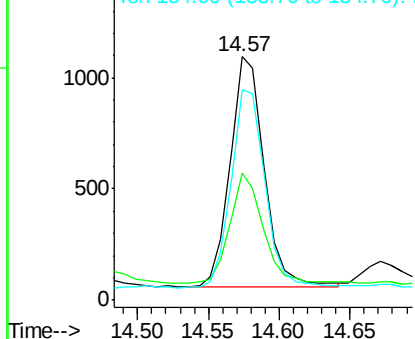
153 100

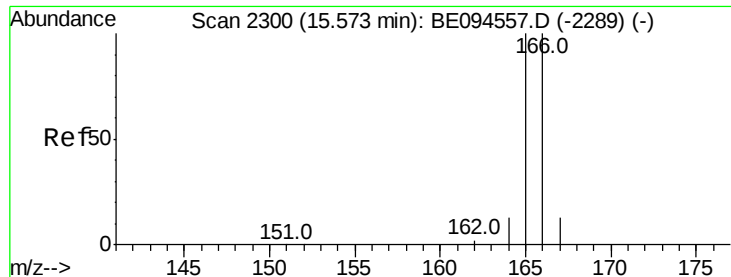
152 52.1 36.0 54.0

154 86.6 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

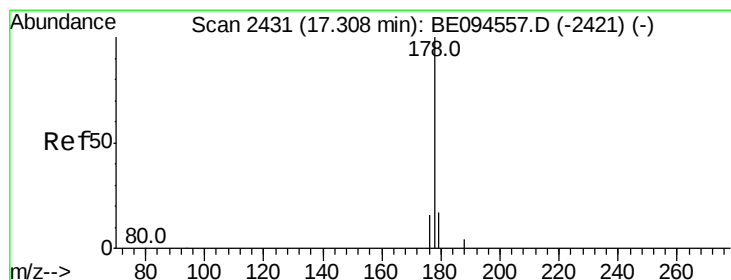
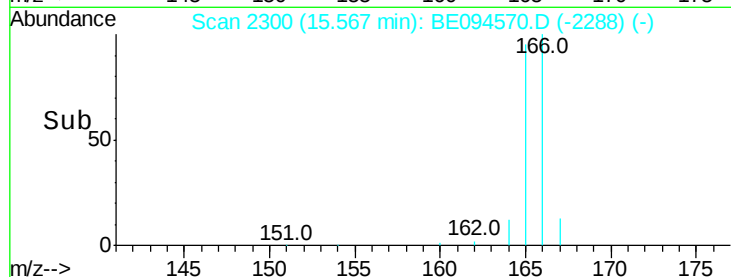
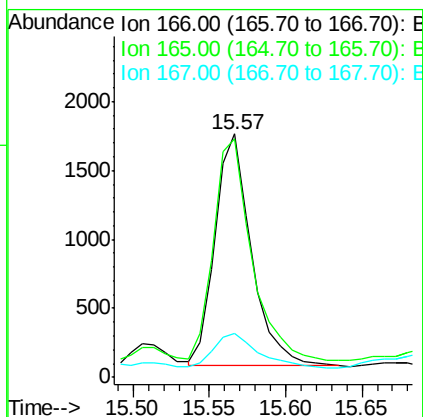
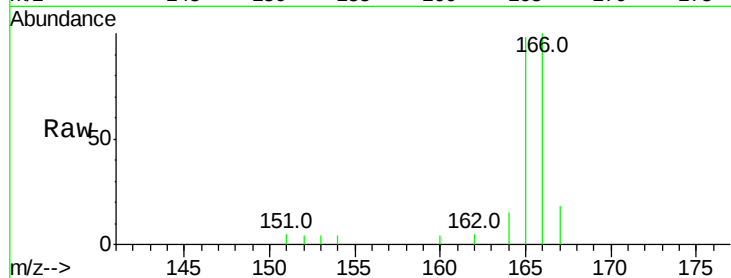




#9
Fluorene
 Concen: 0.198 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094570.D
 Acq: 26 Oct 2017 19:54

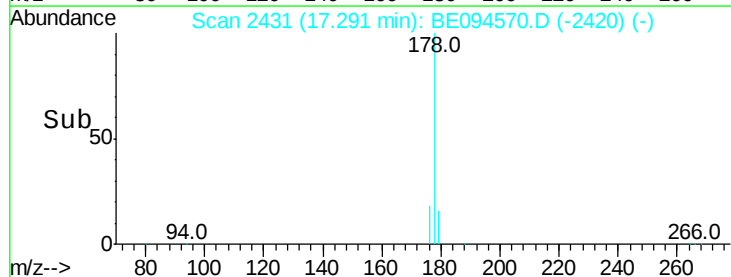
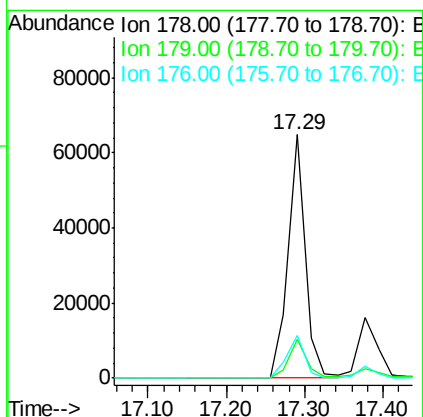
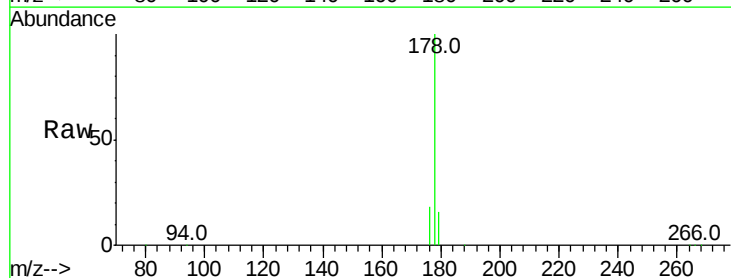
Instrument :
 BNA_E
 ClientSampleId :

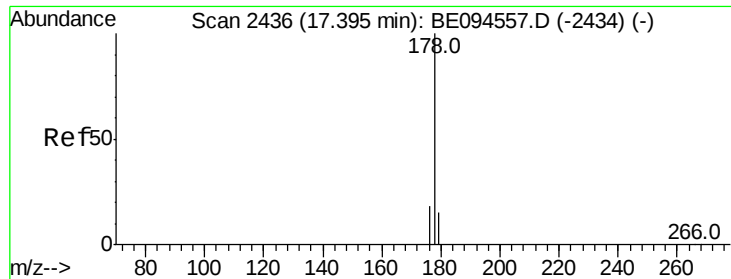
Tot Ion:166 Resp: 2757
 Ion Ratio Lower Upper
 166 100
 165 98.0 73.4 110.2
 167 18.0 14.6 22.0



#12
Phenanthrene
 Concen: 4.264 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094570.D
 Acq: 26 Oct 2017 19:54

Tgt Ion:178 Resp: 97538
 Ion Ratio Lower Upper
 178 100
 179 15.8 18.4 27.6#
 176 17.7 13.6 20.4





#13

Anthracene

Concen: 1.223 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094570.D

Acq: 26 Oct 2017 19:54

Instrument :

BNA_E

ClientSampleId :

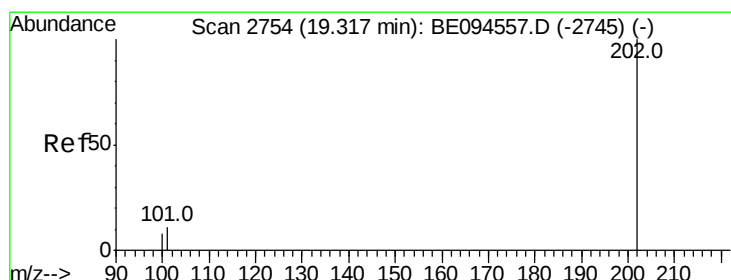
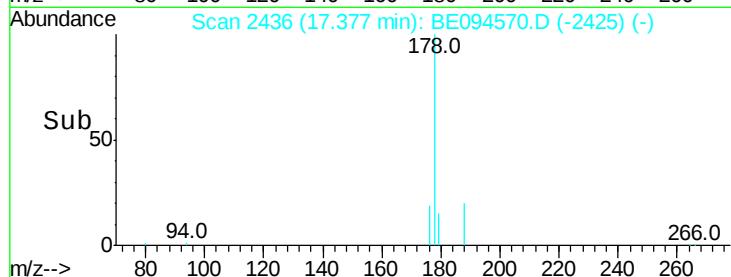
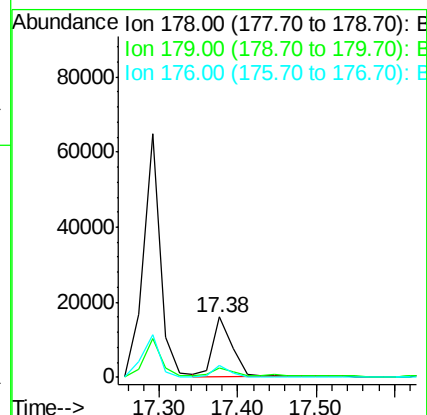
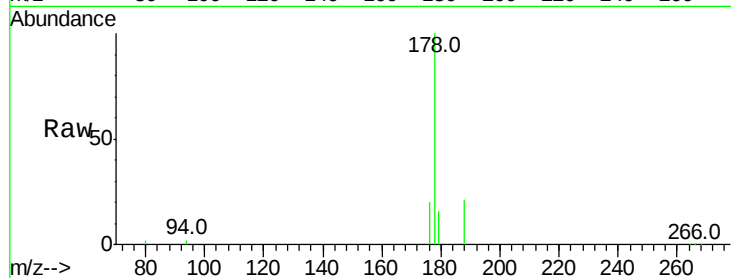
Tot Ion:178 Resp: 27610

Ion Ratio Lower Upper

178 100

179 15.6 18.1 27.1#

176 19.7 14.7 22.1



#15

Fluoranthene

Concen: 7.977 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094570.D

Acq: 26 Oct 2017 19:54

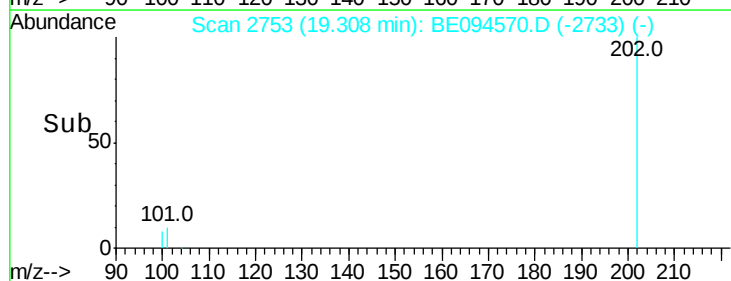
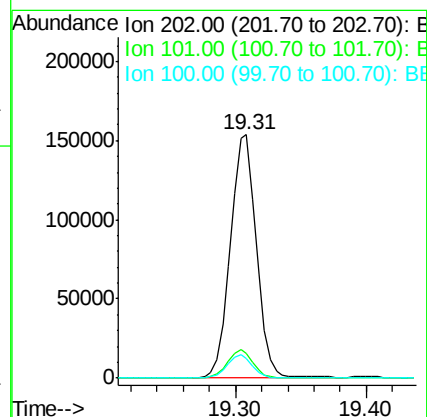
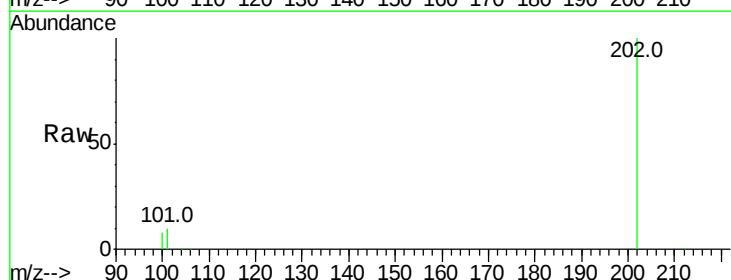
Tgt Ion:202 Resp: 210942

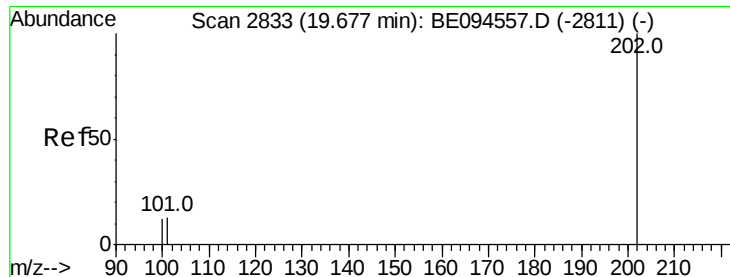
Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.3

100 7.8 0.0 39.5





#17

Pvrene

Concen: 7.421 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BE094570.D

Acq: 26 Oct 2017 19:54

Instrument :

BNA_E

ClientSampleId :

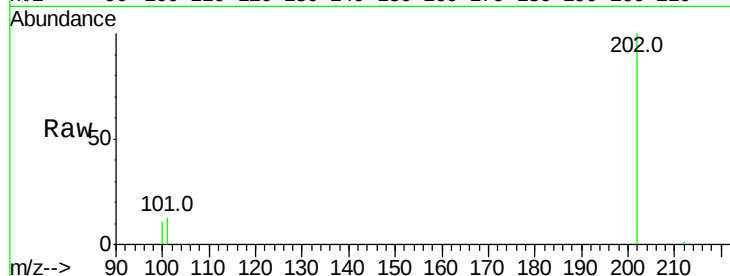
Tot Ion:202 Resp: 191943

Ion Ratio Lower Upper

202 100

101 12.5 18.2 27.4#

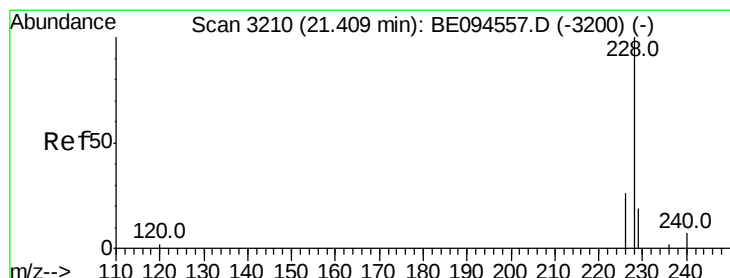
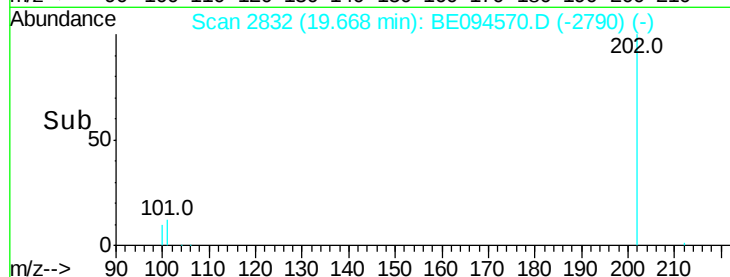
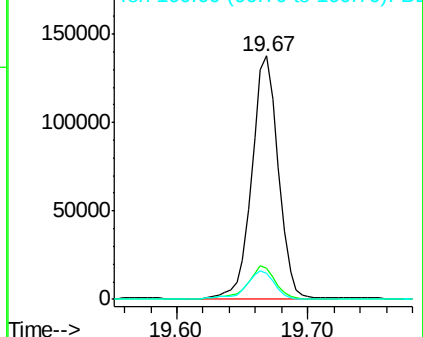
100 10.5 15.6 23.4#



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: 4.700 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BE094570.D

Acq: 26 Oct 2017 19:54

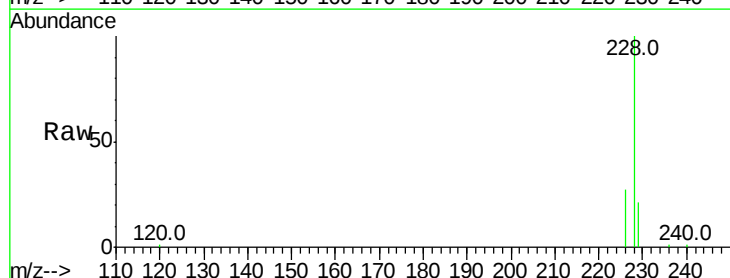
Tgt Ion:228 Resp: 112424

Ion Ratio Lower Upper

228 100

229 21.0 22.8 34.2#

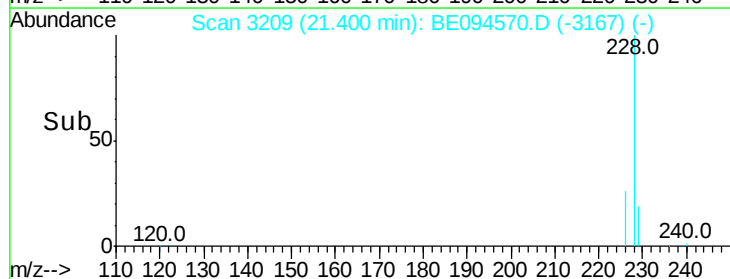
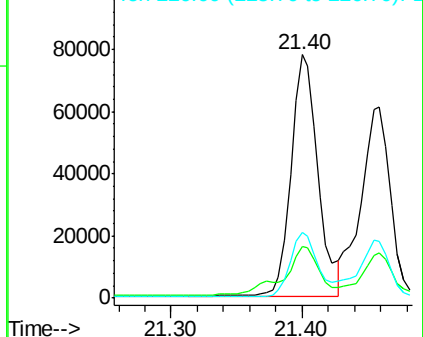
226 27.1 17.0 25.6#

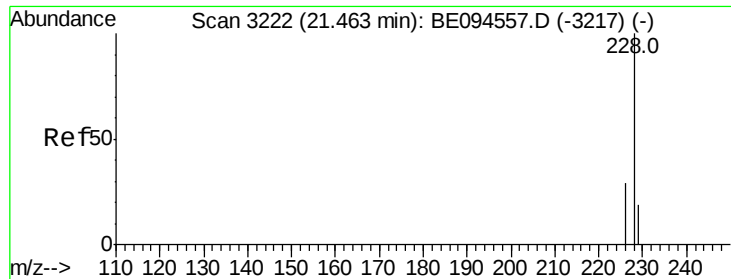


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 3.889 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094570.D

Acq: 26 Oct 2017 19:54

Instrument :

BNA_E

ClientSampled :

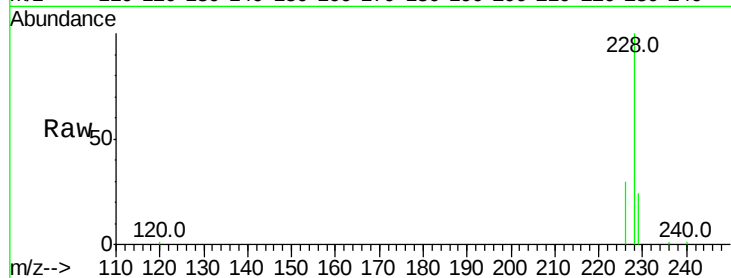
Tot Ion:228 Resp: 96147

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.0

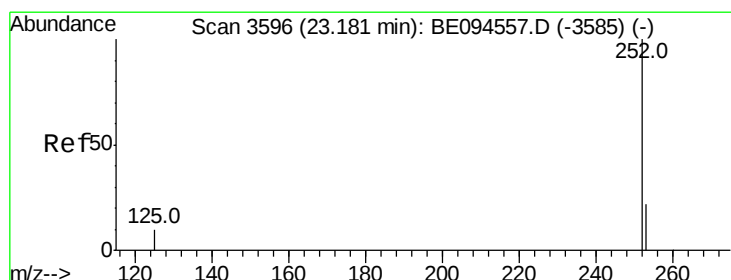
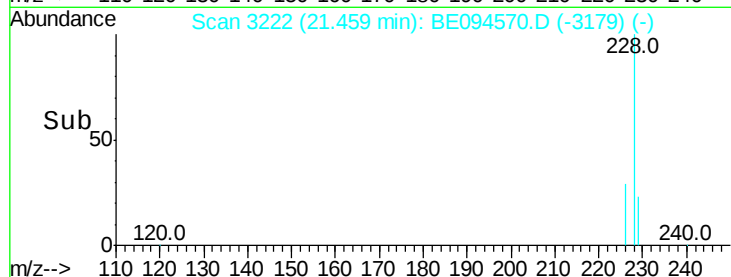
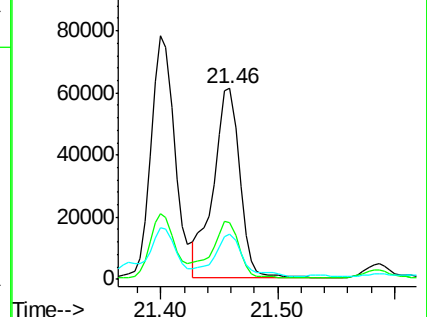
229 23.9 17.7 26.5



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: 7.471 ng/ul

RT: 23.17 min Scan# 3595

Delta R.T. -0.01 min

Lab File: BE094570.D

Acq: 26 Oct 2017 19:54

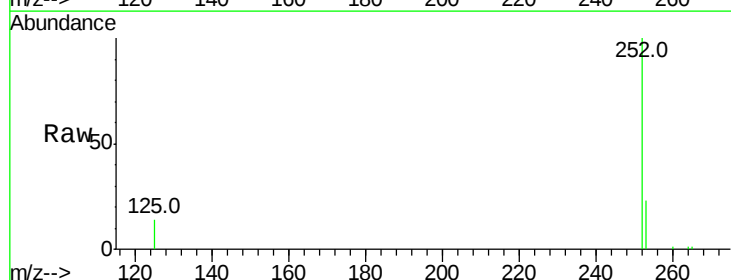
Tgt Ion:252 Resp: 166787

Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

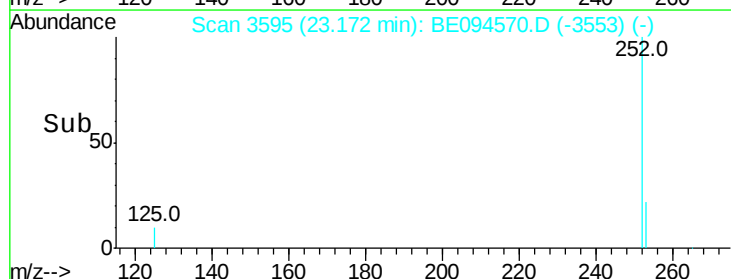
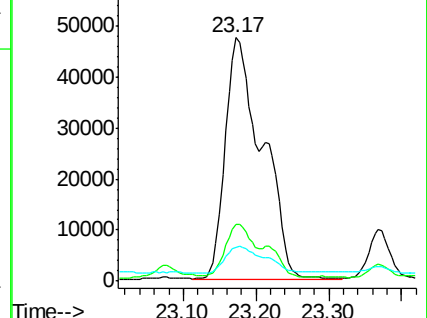
125 14.0 0.0 35.0

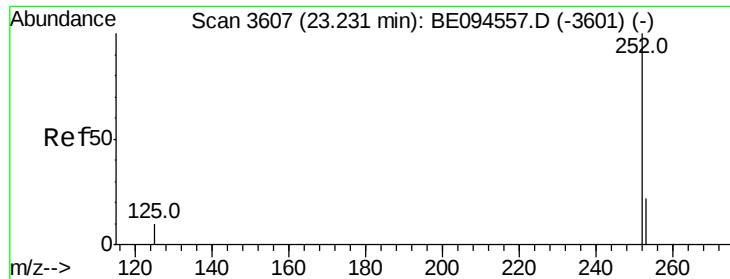


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 6.972 ng/ul

RT: 23.17 min Scan# 3595

Delta R.T. -0.06 min

Lab File: BE094570.D

Acq: 26 Oct 2017 19:54

Instrument :

BNA_E

ClientSampleId :

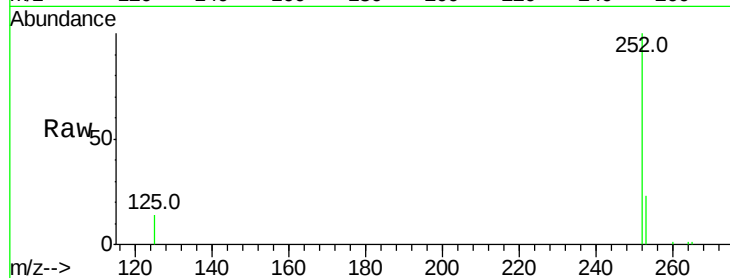
Tot Ion:252 Resp: 166787

Ion Ratio Lower Upper

252 100

253 23.3 24.5 36.7#

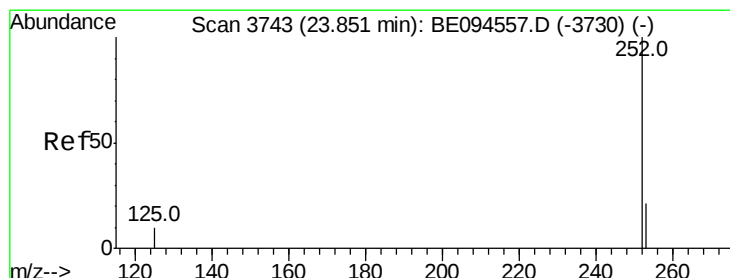
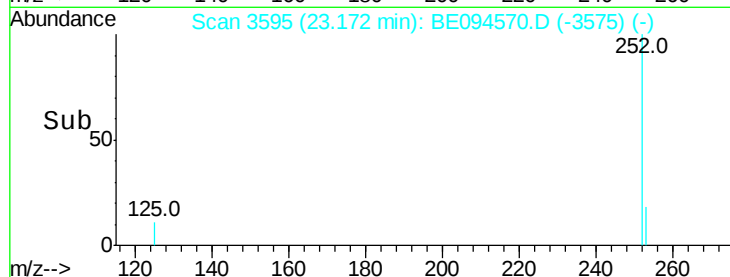
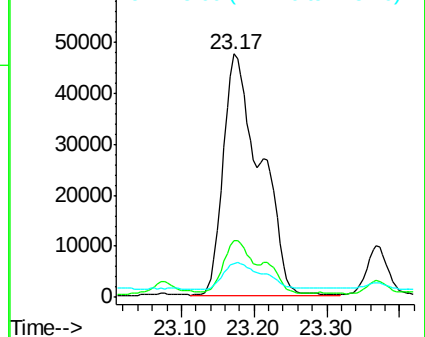
125 14.0 13.7 20.5



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: 4.188 ng/ul

RT: 23.84 min Scan# 3741

Delta R.T. -0.01 min

Lab File: BE094570.D

Acq: 26 Oct 2017 19:54

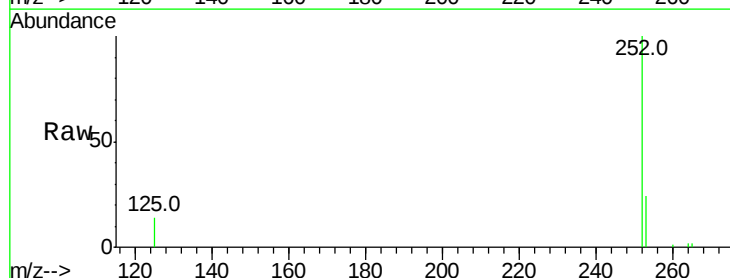
Tgt Ion:252 Resp: 93447

Ion Ratio Lower Upper

252 100

253 24.2 28.5 42.7#

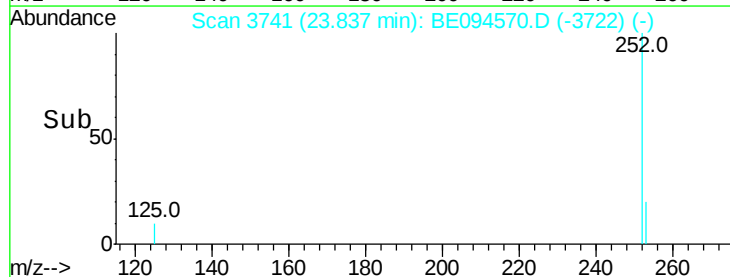
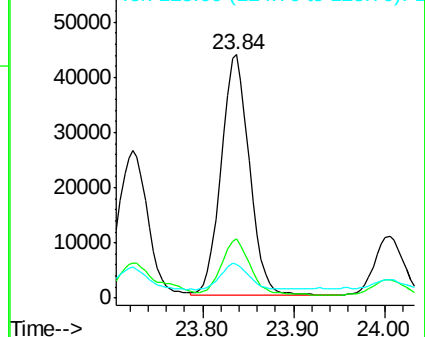
125 13.9 18.1 27.1#

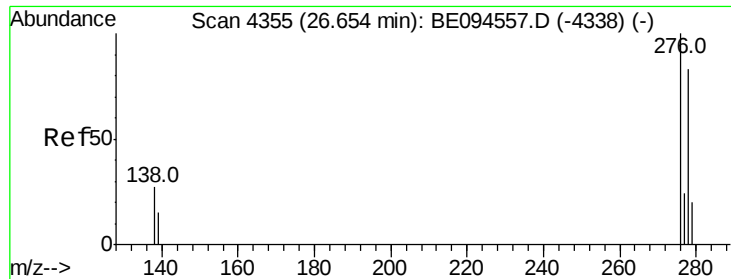


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



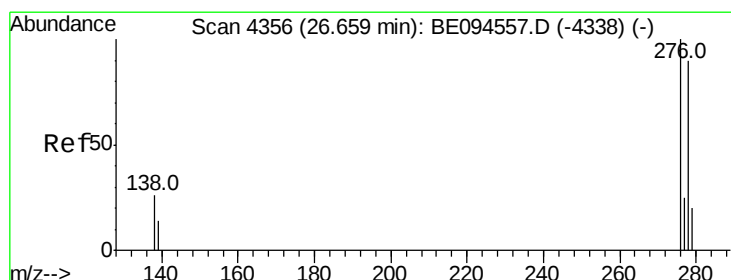
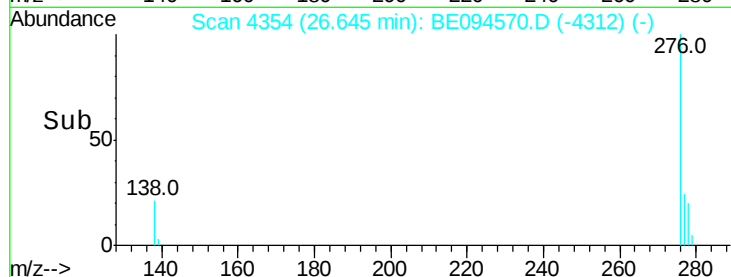
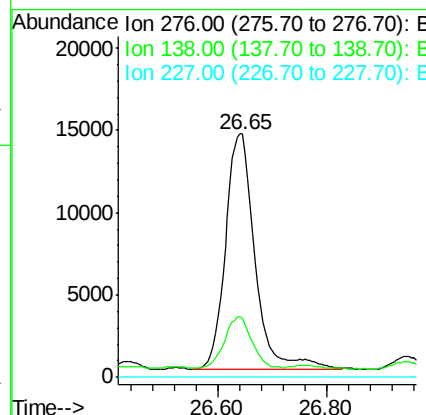
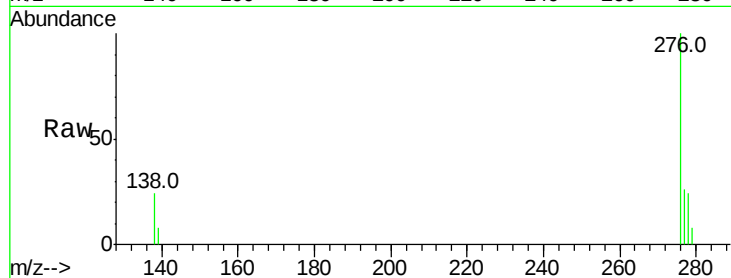


#24

Indeno(1,2,3-cd)pyrene
Concen: 2.321 ng/ul
RT: 26.65 min Scan# 4354
Delta R.T. -0.01 min
Lab File: BE094570.D
Acq: 26 Oct 2017 19:54

Instrument :
BNA_E
ClientSampleId :

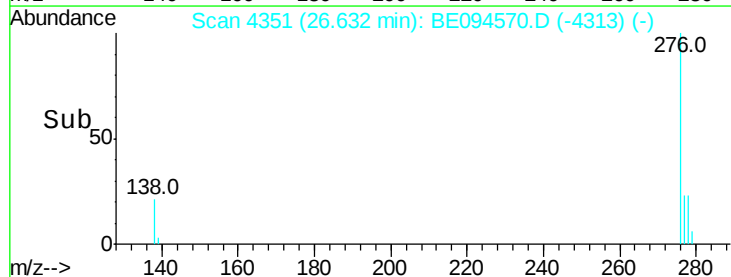
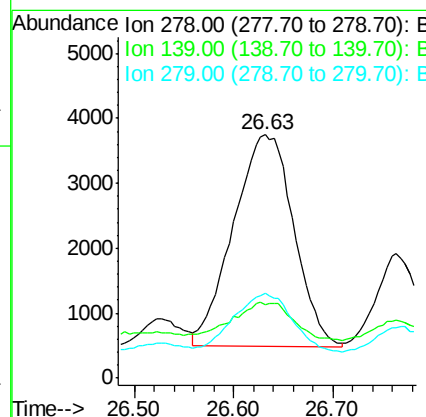
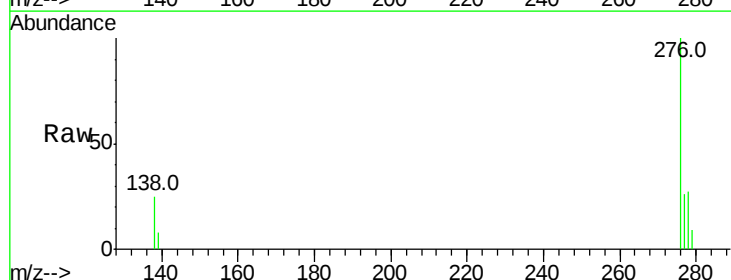
Tot Ion:276 Resp: 53593
Ion Ratio Lower Upper
276 100
138 20.2 28.0 42.0#
227 0.0 8.0 12.0#

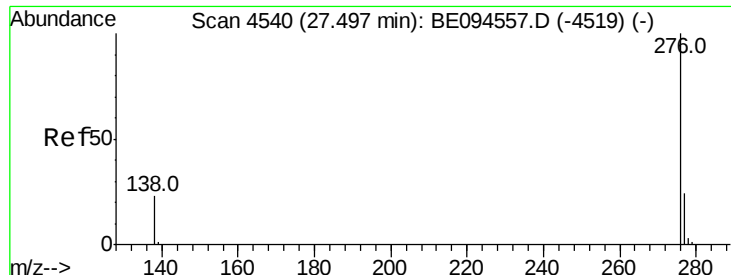


#25

Dibenzo(a,h)anthracene
Concen: 0.707 ng/ul
RT: 26.63 min Scan# 4351
Delta R.T. -0.03 min
Lab File: BE094570.D
Acq: 26 Oct 2017 19:54

Tgt Ion:278 Resp: 13764
Ion Ratio Lower Upper
278 100
139 30.2 17.4 26.0#
279 34.7 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 2.169 ng/ul

RT: 27.48 min Scan# 4537

Delta R.T. -0.02 min

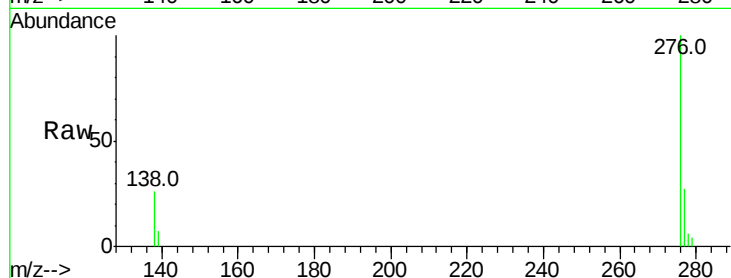
Lab File: BE094570.D

Acq: 26 Oct 2017 19:54

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 40215

Ion Ratio Lower Upper

276 100

138 26.0 21.8 32.8

277 27.4 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

