

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
 Data File : BE094543.D
 Acq On : 25 Oct 2017 21:19
 Operator : SJ/JU
 Sample : I5693-04 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 26 11:59:15 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

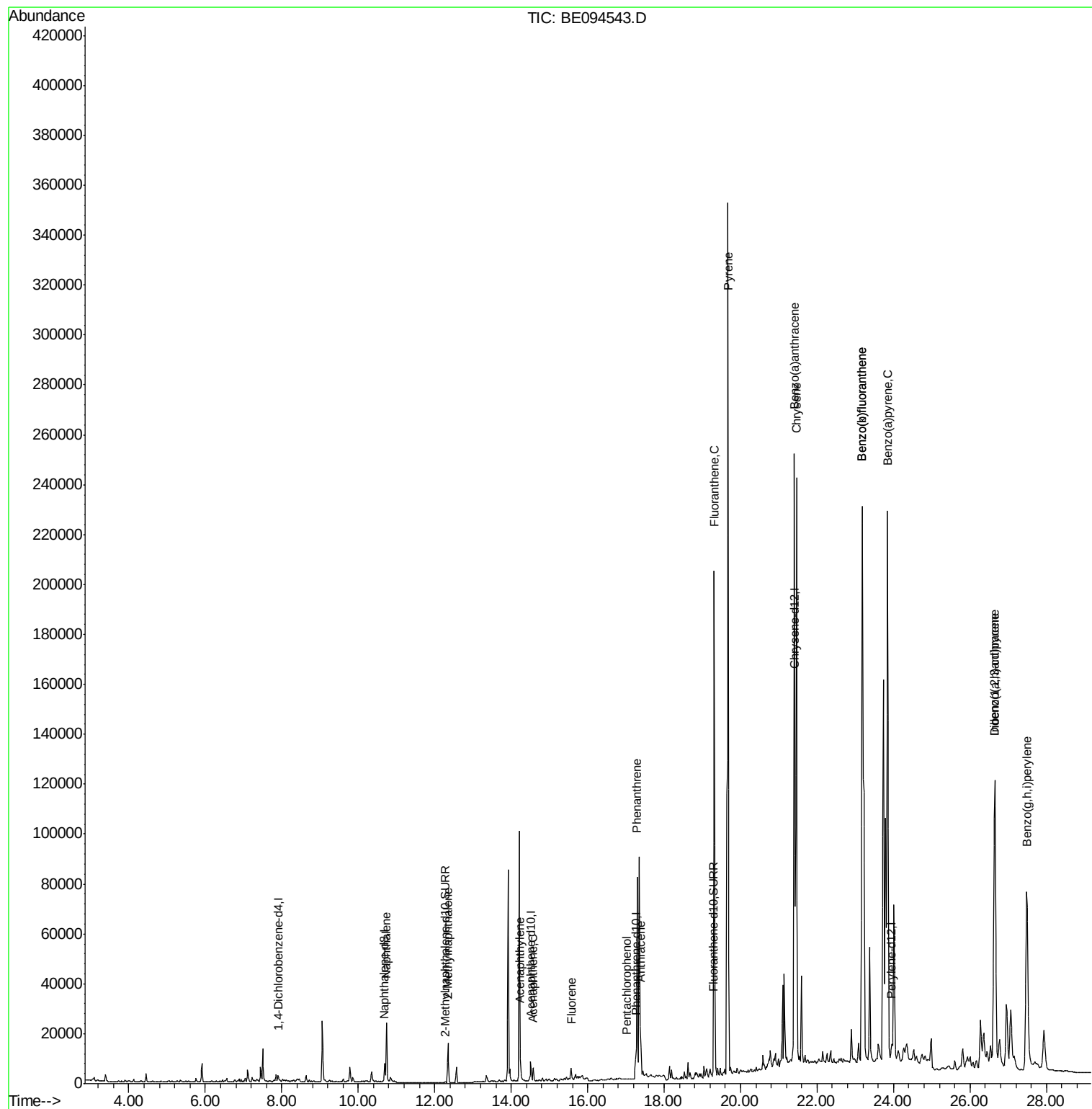
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1442	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	8051	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	4743	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10156	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	9960	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	10065	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	904	0.07	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	2021	0.07	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	37650	1.913	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	14598	1.060	ng/ul	98
7) Acenaphthylene	14.24	152	10011	0.467	ng/ul	100
8) Acenaphthene	14.57	153	3431	0.223	ng/ul	91
9) Fluorene	15.57	166	3430	0.198	ng/ul	93
11) Pentachlorophenol	17.03	266	23	0.045	ng/ul#	48
12) Phenanthrene	17.29	178	88543	3.301	ng/ul#	89
13) Anthracene	17.38	178	23714	0.896	ng/ul#	90
15) Fluoranthene	19.31	202	233783	7.538	ng/ul	84
17) Pyrene	19.67	202	383979	12.471	ng/ul#	81
18) Benzo(a)anthracene	21.41	228	231397	8.127	ng/ul#	88
19) Chrysene	21.46	228	264109	8.974	ng/ul	99
21) Benzo(b)fluoranthene	23.18	252	542793	19.172	ng/ul	86
22) Benzo(k)fluoranthene	23.18	252	542793	17.890	ng/ul#	88
23) Benzo(a)pyrene	23.85	252	349175	12.338	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.65	276	228504	7.803	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.65	278	56678	2.297	ng/ul	95
26) Benzo(g,h,i)perylene	27.48	276	191670	8.151	ng/ul	97

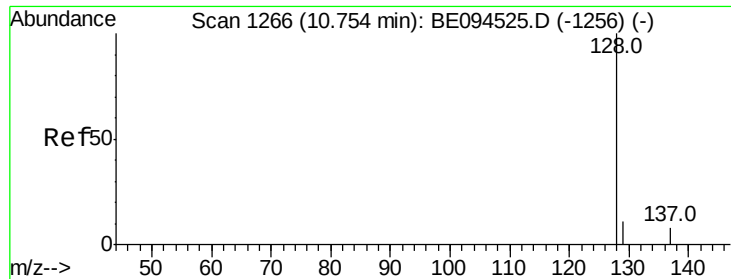
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.913 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BE094543.D

Acq: 25 Oct 2017 21:19

Instrument :

BNA_E

ClientSampleId :

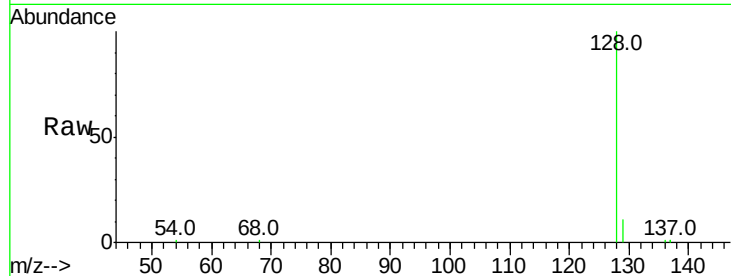
Tot Ion:128 Resp: 37650

Ion Ratio Lower Upper

128 100

129 11.1 11.3 16.9#

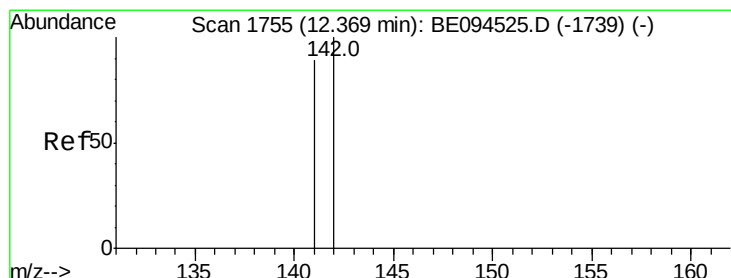
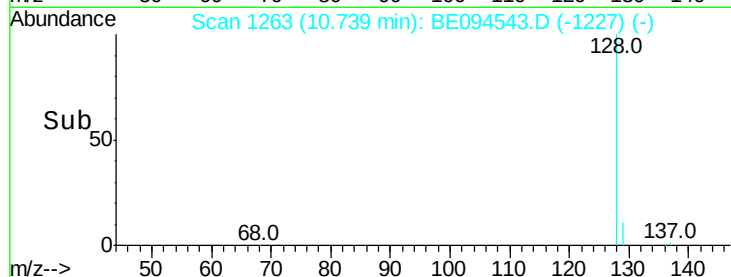
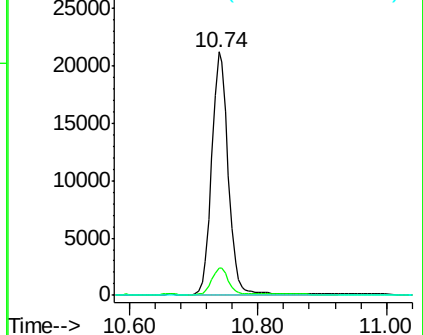
127 0.0 4.0 6.0#



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: 1.060 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BE094543.D

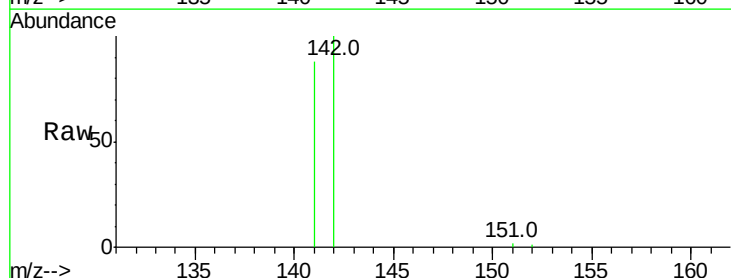
Acq: 25 Oct 2017 21:19

Tgt Ion:142 Resp: 14598

Ion Ratio Lower Upper

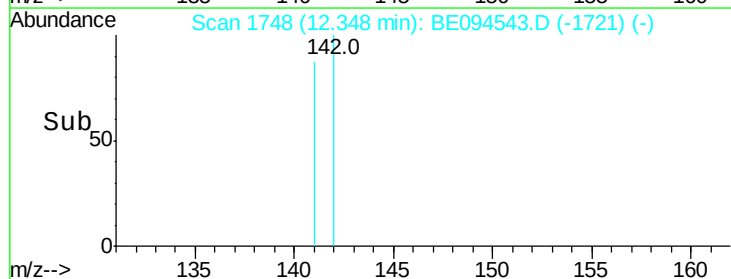
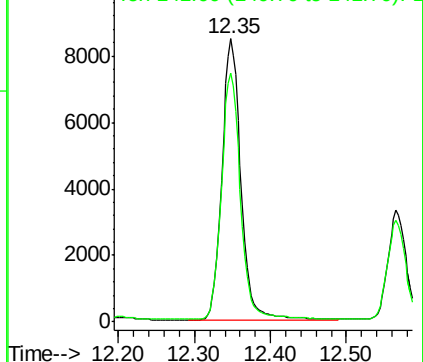
142 100

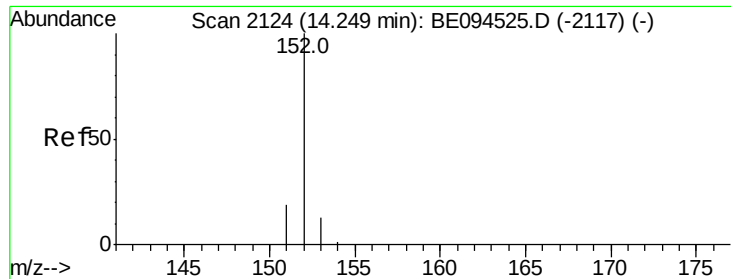
141 88.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.467 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE094543.D

Acq: 25 Oct 2017 21:19

Instrument :

BNA_E

ClientSampleId :

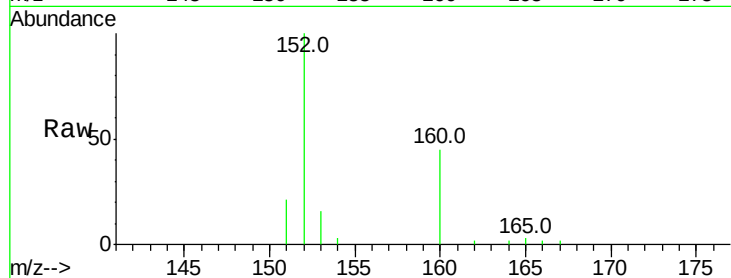
Tot Ion:152 Resp: 10011

Ion Ratio Lower Upper

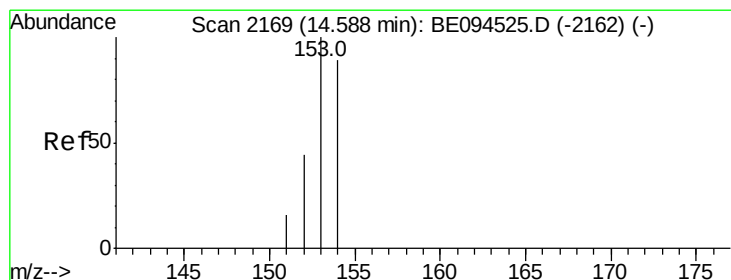
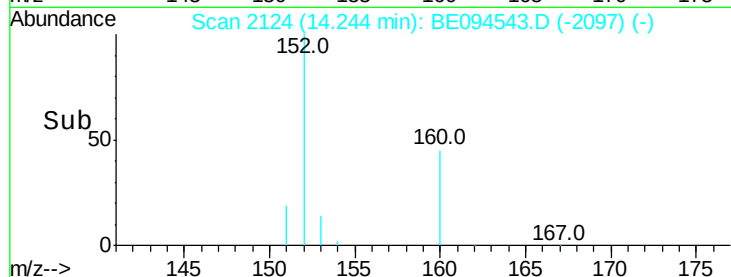
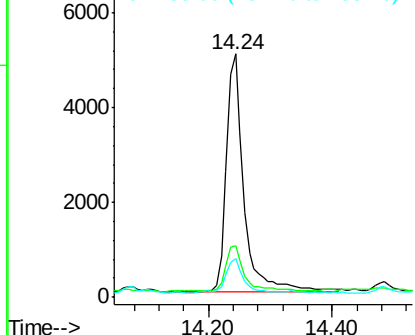
152 100

151 21.2 17.1 25.7

153 15.7 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: 0.223 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094543.D

Acq: 25 Oct 2017 21:19

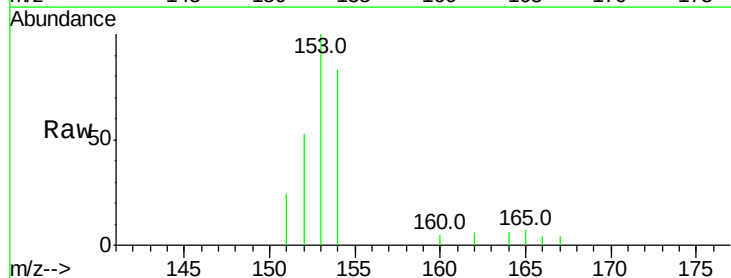
Tgt Ion:153 Resp: 3431

Ion Ratio Lower Upper

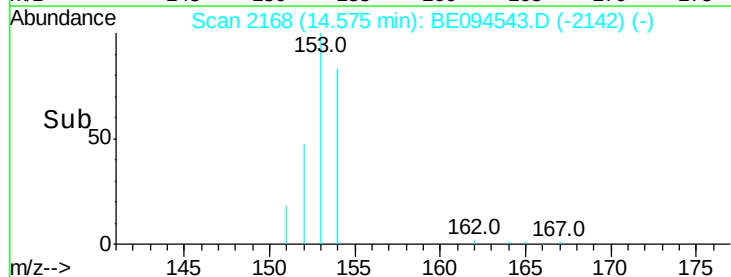
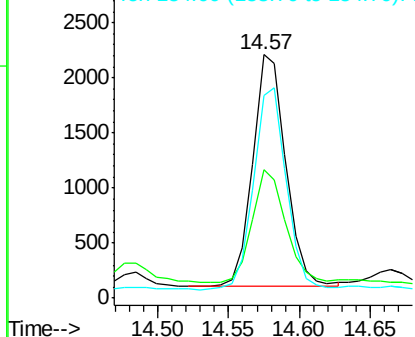
153 100

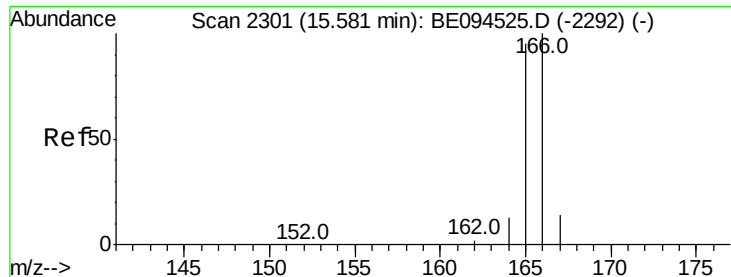
152 52.7 36.0 54.0

154 83.4 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

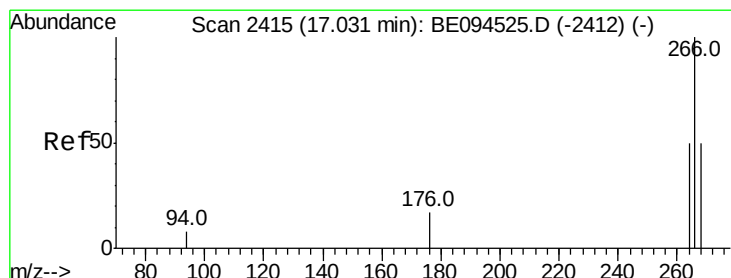
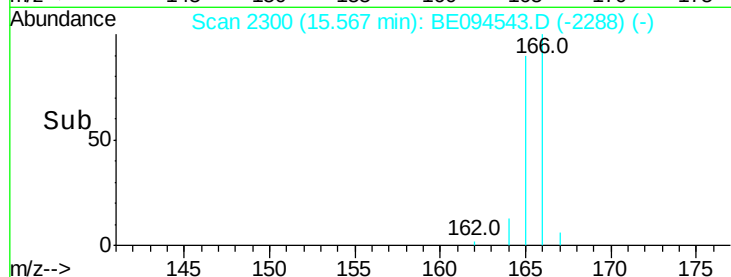
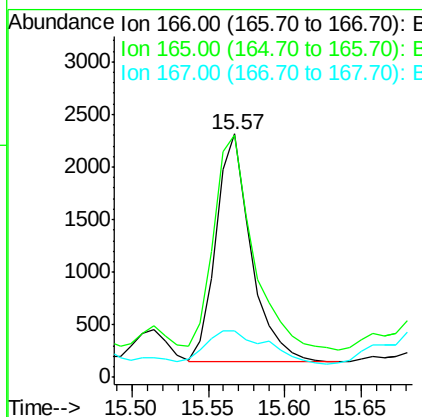
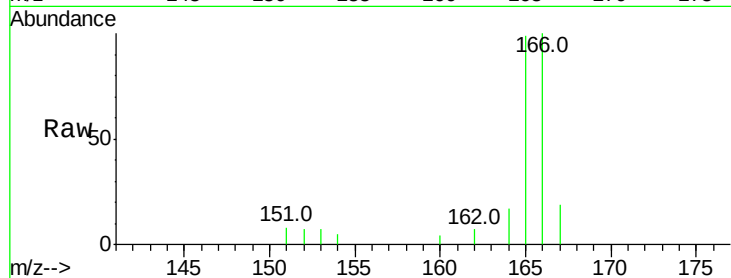




#9
 Fluorene
 Concen: 0.198 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094543.D
 Acq: 25 Oct 2017 21:19

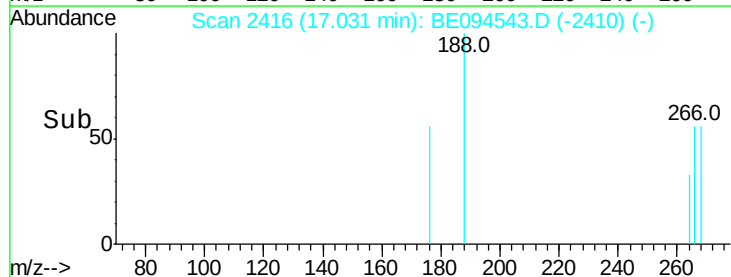
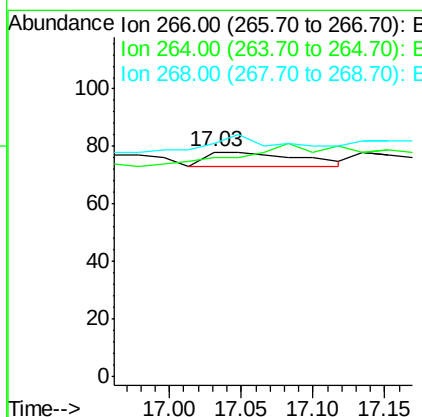
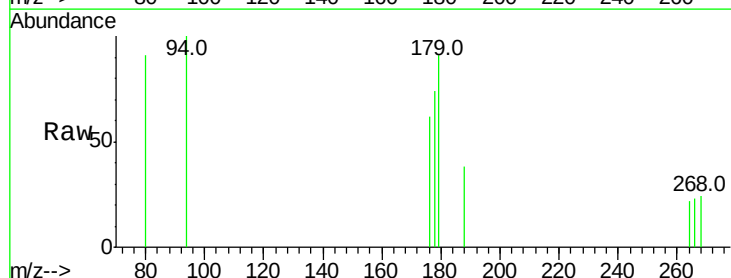
Instrument :
 BNA_E
 ClientSampleId :

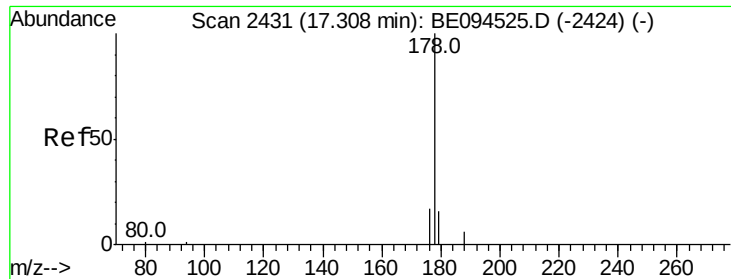
Tot Ion:166 Resp: 3430
 Ion Ratio Lower Upper
 166 100
 165 99.4 73.4 110.2
 167 19.0 14.6 22.0



#11
 Pentachlorophenol
 Concen: 0.045 ng/ul
 RT: 17.03 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BE094543.D
 Acq: 25 Oct 2017 21:19

Tgt Ion:266 Resp: 23
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 82.6 49.8 74.8#





#12

Phenanthrene

Concen: 3.301 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094543.D

Acq: 25 Oct 2017 21:19

Instrument :

BNA_E

ClientSampleId :

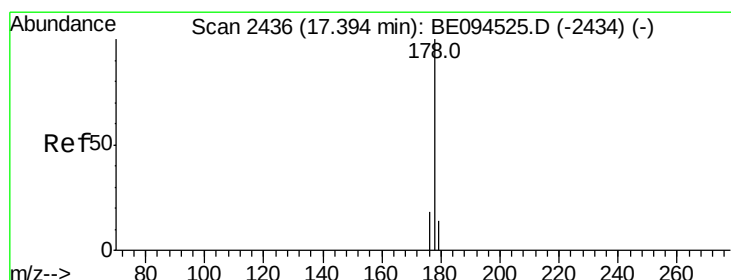
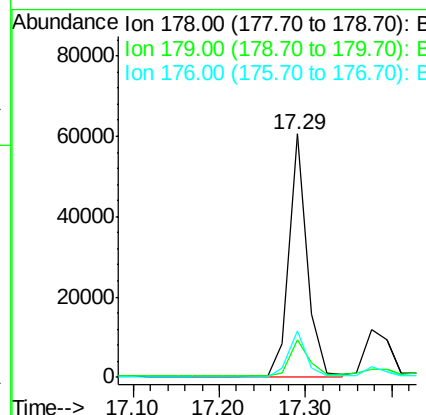
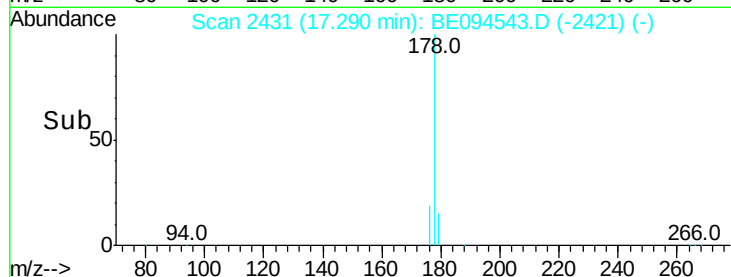
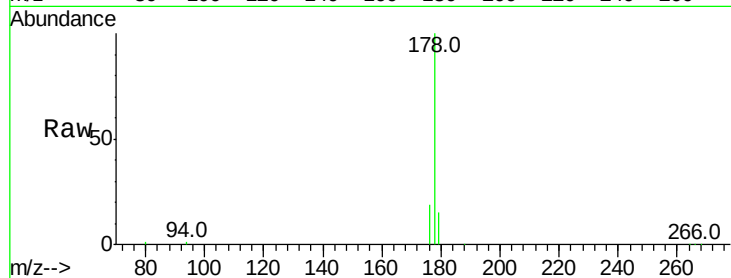
Tot Ion:178 Resp: 88543

Ion Ratio Lower Upper

178 100

179 15.4 18.4 27.6#

176 19.2 13.6 20.4



#13

Anthracene

Concen: 0.896 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094543.D

Acq: 25 Oct 2017 21:19

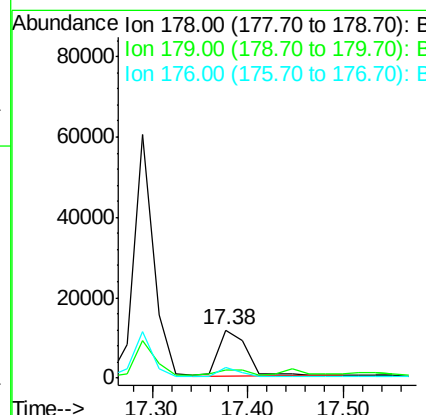
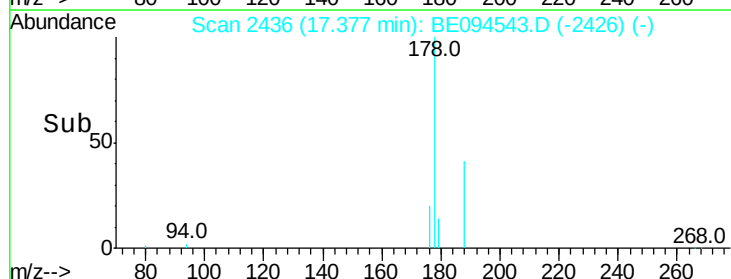
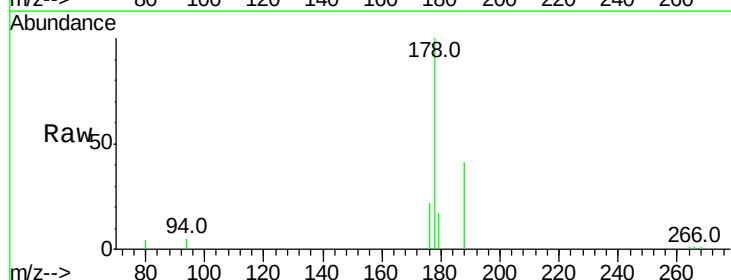
Tgt Ion:178 Resp: 23714

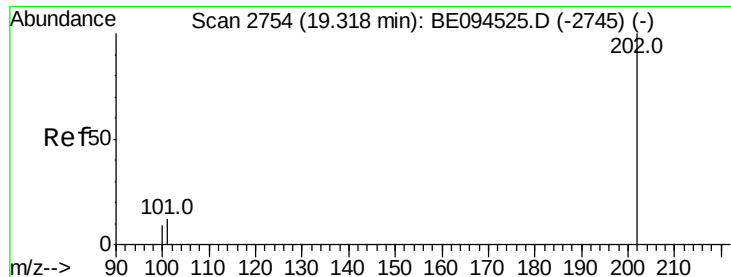
Ion Ratio Lower Upper

178 100

179 16.9 18.1 27.1#

176 21.6 14.7 22.1





#15

Fluoranthene

Concen: 7.538 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE094543.D

Acq: 25 Oct 2017 21:19

Instrument :

BNA_E

ClientSampleId :

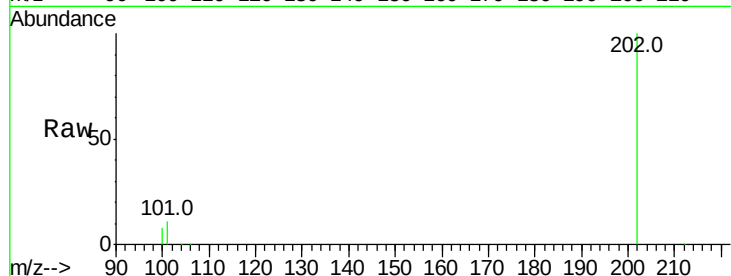
Tot Ion:202 Resp: 233783

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.3

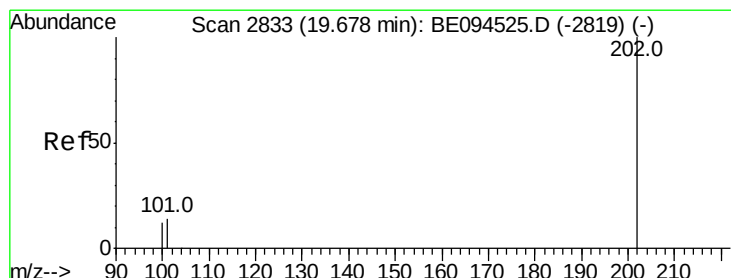
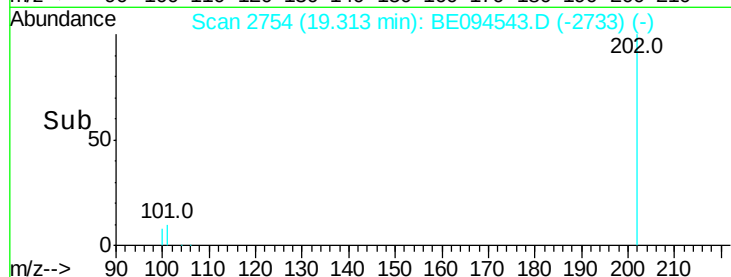
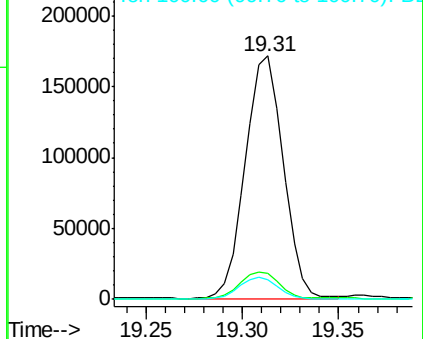
100 8.2 0.0 39.5



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: 12.471 ng/ul

RT: 19.67 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BE094543.D

Acq: 25 Oct 2017 21:19

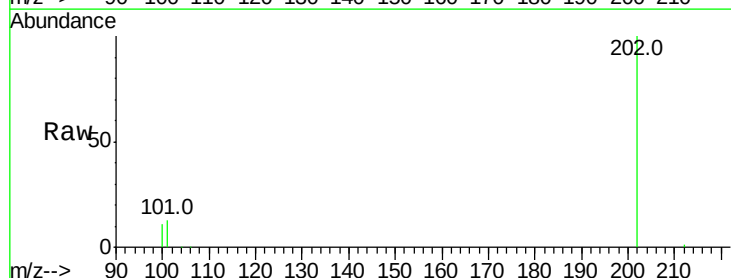
Tgt Ion:202 Resp: 383979

Ion Ratio Lower Upper

202 100

101 13.3 18.2 27.4#

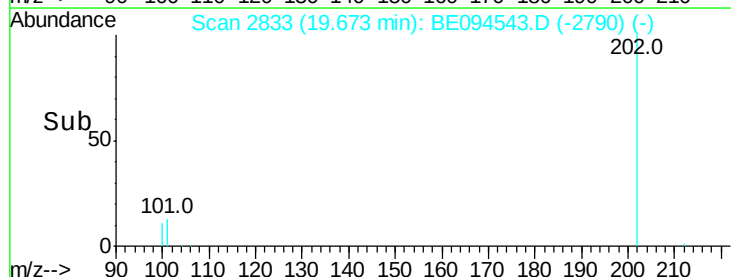
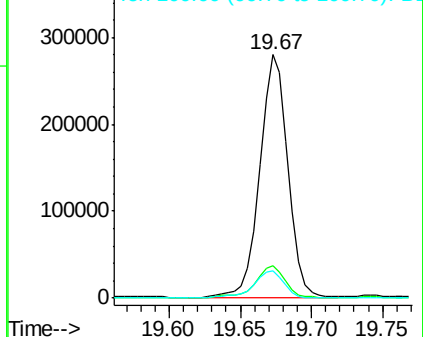
100 11.4 15.6 23.4#

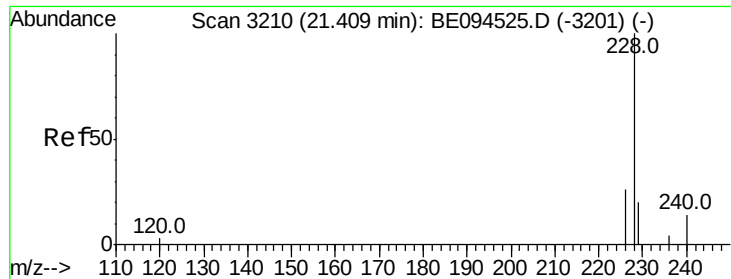


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

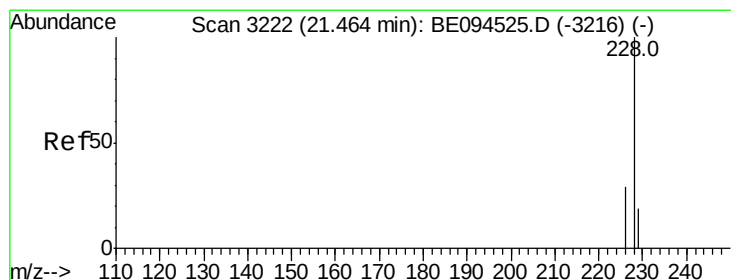
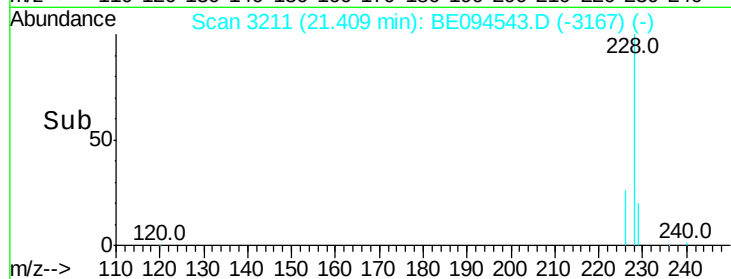
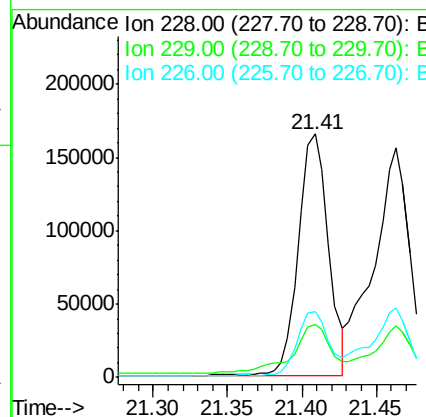
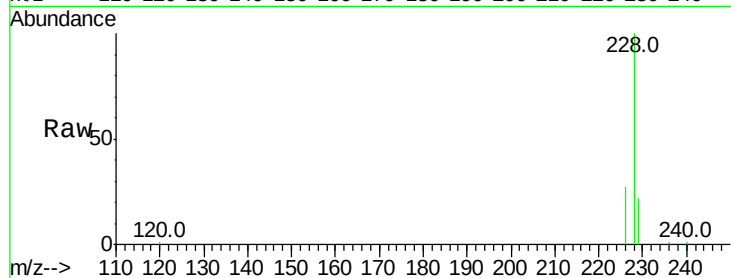




#18
Benzo(a)anthracene
Concen: 8.127 ng/ul
RT: 21.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: BE094543.D
Acq: 25 Oct 2017 21:19

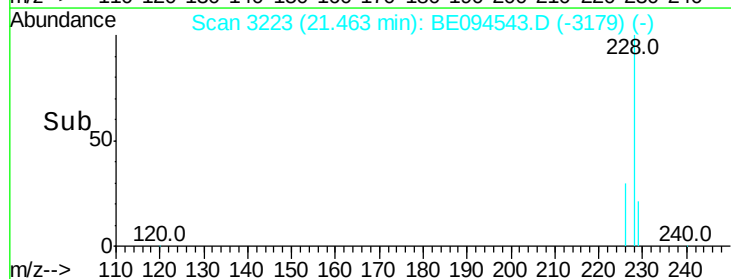
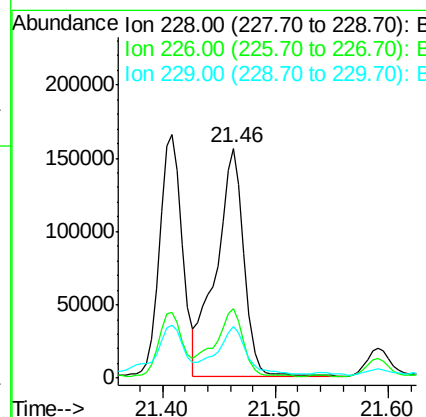
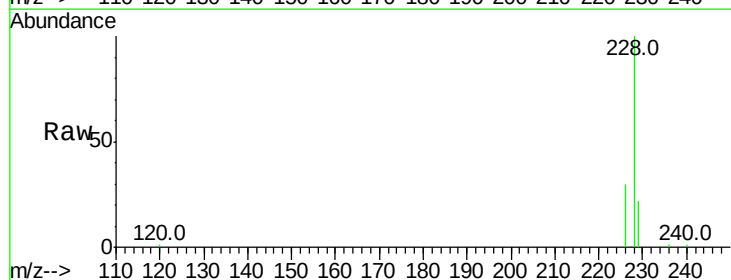
Instrument :
BNA_E
ClientSampleId :

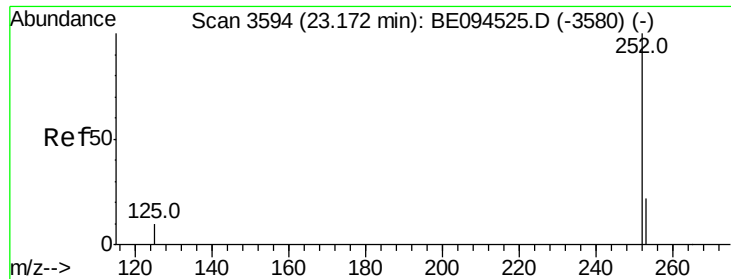
Tot Ion:228 Resp: 231397
Ion Ratio Lower Upper
228 100
229 21.9 22.8 34.2#
226 27.1 17.0 25.6#



#19
Chrysene
Concen: 8.974 ng/ul
RT: 21.46 min Scan# 3223
Delta R.T. -0.00 min
Lab File: BE094543.D
Acq: 25 Oct 2017 21:19

Tgt Ion:228 Resp: 264109
Ion Ratio Lower Upper
228 100
226 30.1 23.4 35.0
229 22.3 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 19.172 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. 0.01 min

Lab File: BE094543.D

Acq: 25 Oct 2017 21:19

Instrument :

BNA_E

ClientSampleId :

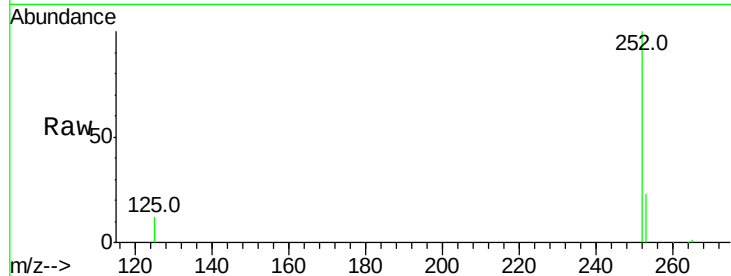
Tot Ion:252 Resp: 542793

Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

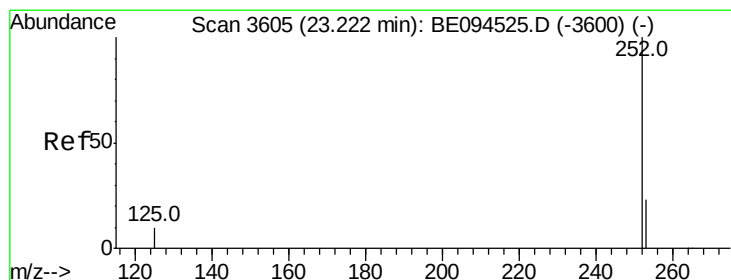
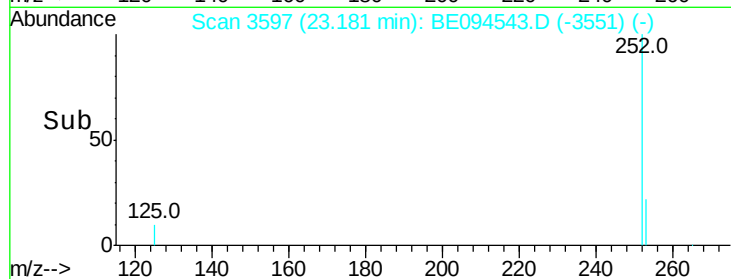
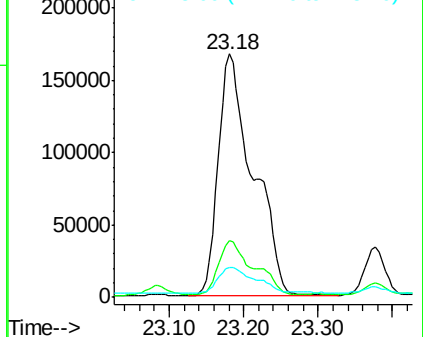
125 12.4 0.0 35.0



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: 17.890 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. -0.04 min

Lab File: BE094543.D

Acq: 25 Oct 2017 21:19

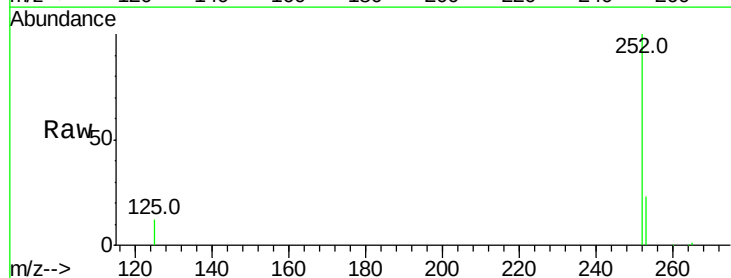
Tgt Ion:252 Resp: 542793

Ion Ratio Lower Upper

252 100

253 23.3 24.5 36.7#

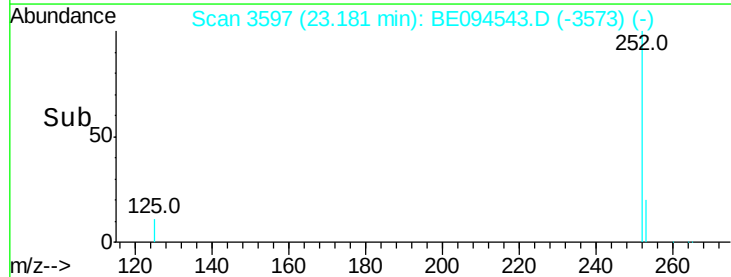
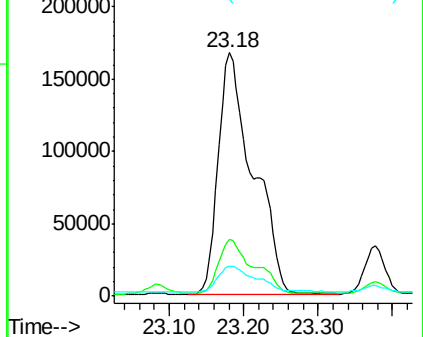
125 12.4 13.7 20.5#

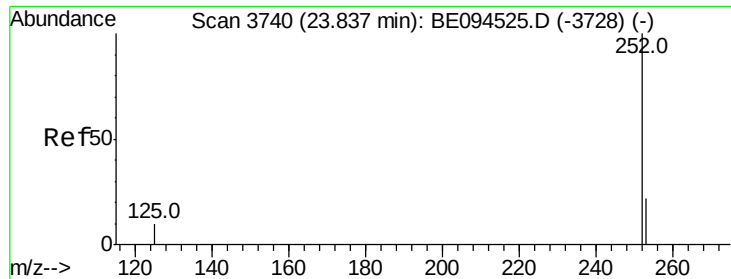


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 12.338 ng/ul

RT: 23.85 min Scan# 3743

Delta R.T. 0.00 min

Lab File: BE094543.D

Acq: 25 Oct 2017 21:19

Instrument :

BNA_E

ClientSampleId :

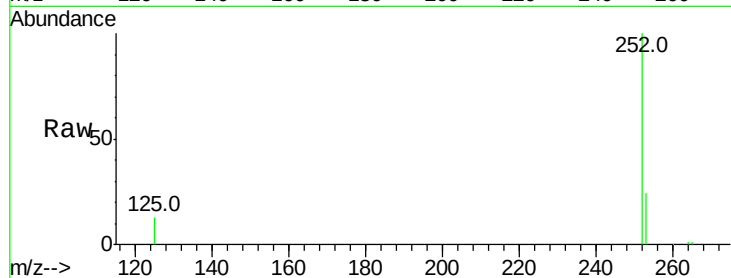
Tot Ion:252 Resp: 349175

Ion Ratio Lower Upper

252 100

253 23.6 28.5 42.7#

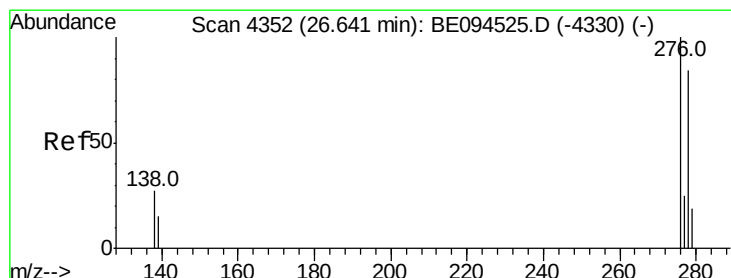
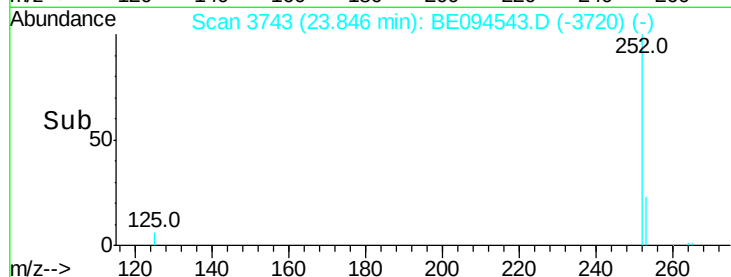
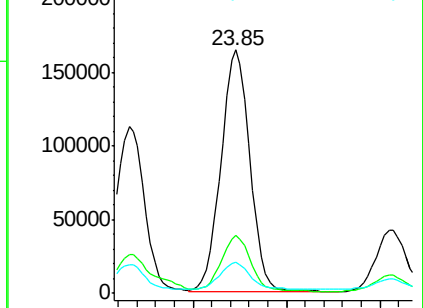
125 12.7 18.1 27.1#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 7.803 ng/ul

RT: 26.65 min Scan# 4356

Delta R.T. 0.01 min

Lab File: BE094543.D

Acq: 25 Oct 2017 21:19

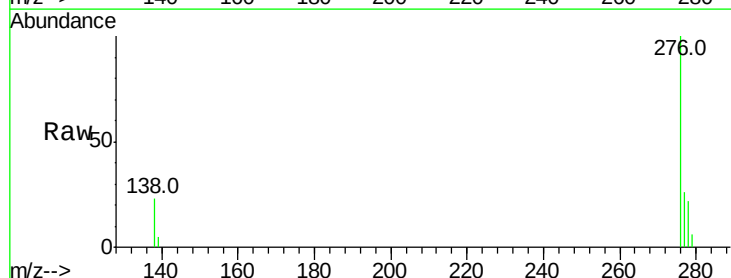
Tgt Ion:276 Resp: 228504

Ion Ratio Lower Upper

276 100

138 21.1 28.0 42.0#

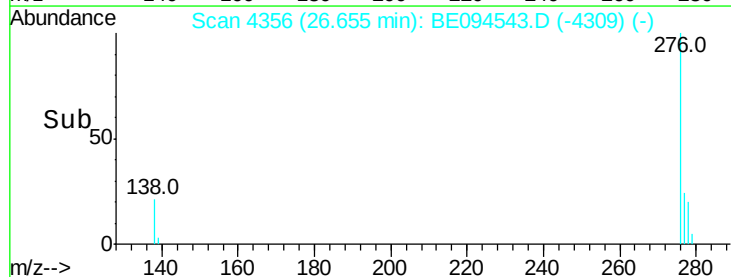
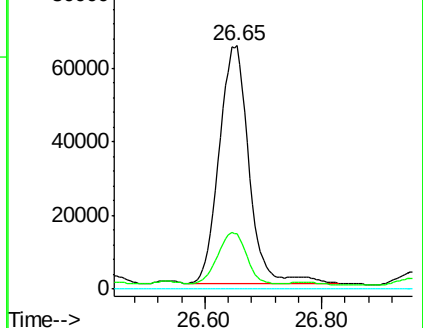
227 0.0 8.0 12.0#

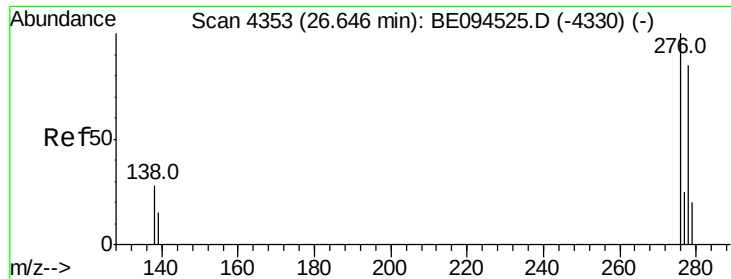


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 2.297 ng/ul

RT: 26.65 min Scan# 4354

Delta R.T. 0.00 min

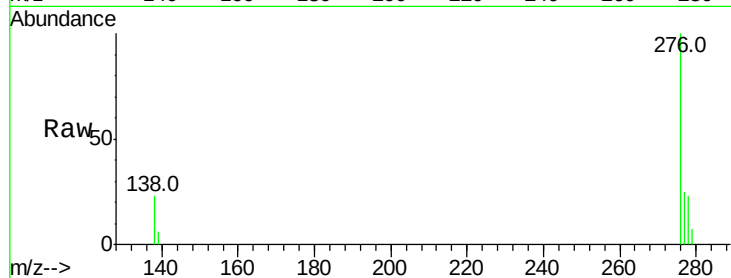
Lab File: BE094543.D

Acq: 25 Oct 2017 21:19

Instrument :

BNA_E

ClientSampleId :



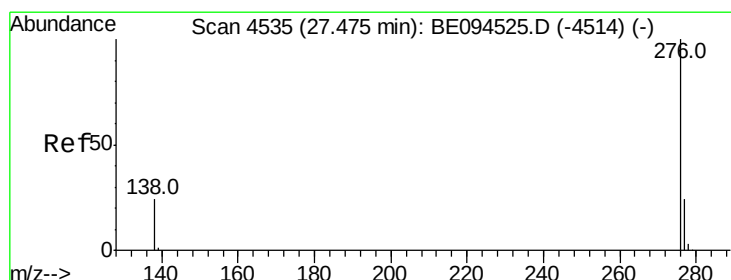
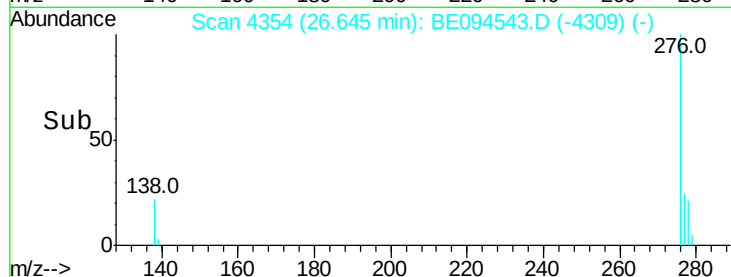
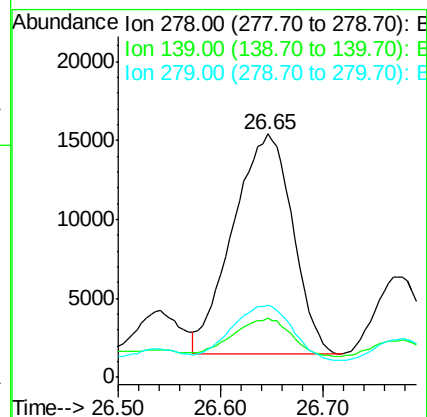
Tot Ion:278 Resp: 56678

Ion Ratio Lower Upper

278 100

139 24.2 17.4 26.0

279 29.7 25.9 38.9



#26

Benzo(g,h,i)perylene

Concen: 8.151 ng/ul

RT: 27.48 min Scan# 4538

Delta R.T. 0.00 min

Lab File: BE094543.D

Acq: 25 Oct 2017 21:19

Tgt Ion:276 Resp: 191670

Ion Ratio Lower Upper

276 100

138 24.4 21.8 32.8

277 25.5 20.5 30.7

