

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094593.D
 Acq On : 27 Oct 2017 13:21
 Operator : SJ/JU
 Sample : I5719-11 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 14:45:10 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

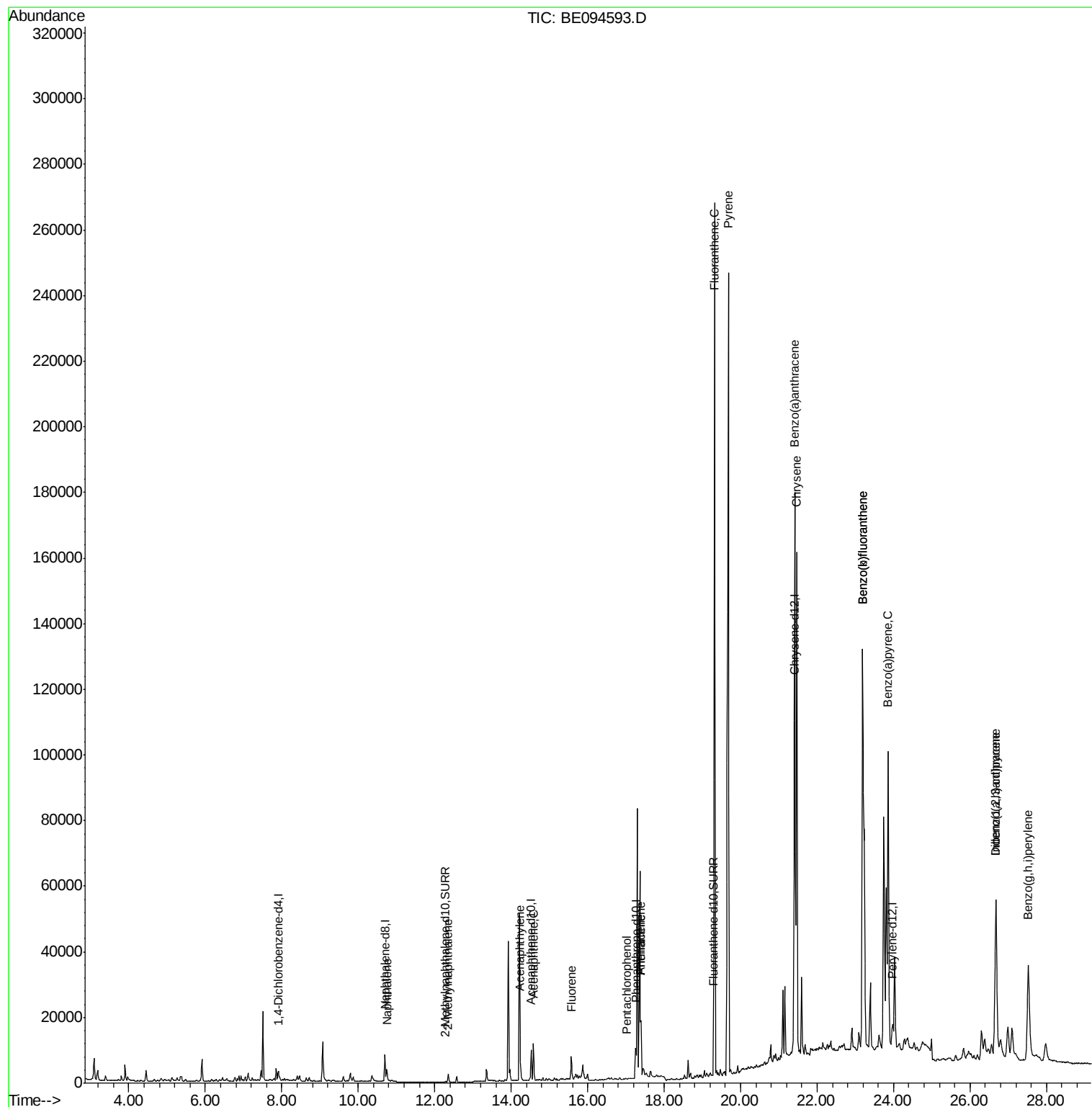
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1654	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	9516	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5406	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11791	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	11573	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	11226	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	463	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	1109	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	5802	0.249	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	2521	0.155	ng/ul	96
7) Acenaphthylene	14.24	152	3418	0.140	ng/ul	95
8) Acenaphthene	14.58	153	6997	0.398	ng/ul	96
9) Fluorene	15.57	166	4859	0.246	ng/ul	96
11) Pentachlorophenol	17.01	266	13	0.022	ng/ul#	20
12) Phenanthrene	17.39	178	20887	0.671	ng/ul	94
13) Anthracene	17.39	178	23203	0.755	ng/ul	94
15) Fluoranthene	19.32	202	290496	8.068	ng/ul	84
17) Pyrene	19.68	202	275012	7.687	ng/ul#	80
18) Benzo(a)anthracene	21.41	228	160338	4.846	ng/ul#	88
19) Chrysene	21.47	228	162557	4.754	ng/ul	98
21) Benzo(b)fluoranthene	23.19	252	314578	9.962	ng/ul	88
22) Benzo(k)fluoranthene	23.19	252	314562	9.296	ng/ul#	90
23) Benzo(a)pyrene	23.86	252	152569	4.833	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.68	276	101552	3.109	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.68	278	24160	0.878	ng/ul#	84
26) Benzo(g,h,i)perylene	27.53	276	84393	3.218	ng/ul	96

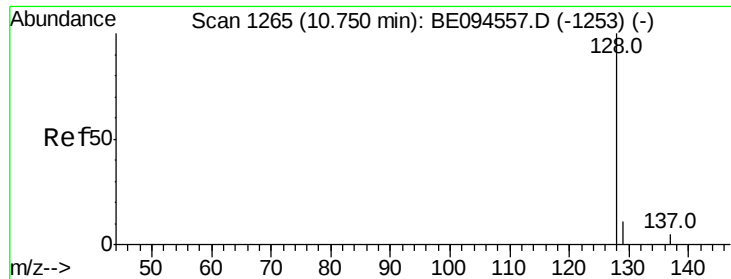
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.249 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE094593.D

Acq: 27 Oct 2017 13:21

Instrument :

BNA_E

ClientSampleId :

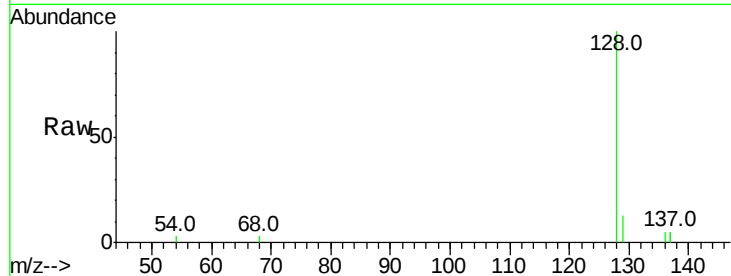
Tot Ion:128 Resp: 5802

Ion Ratio Lower Upper

128 100

129 13.3 11.3 16.9

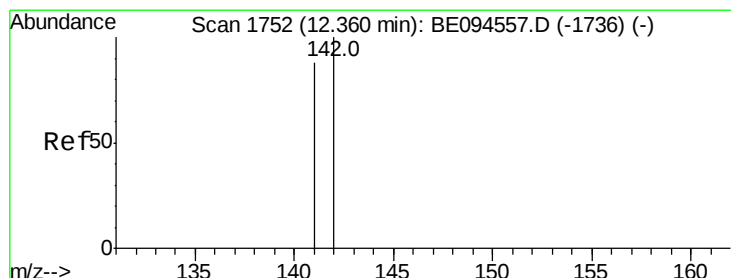
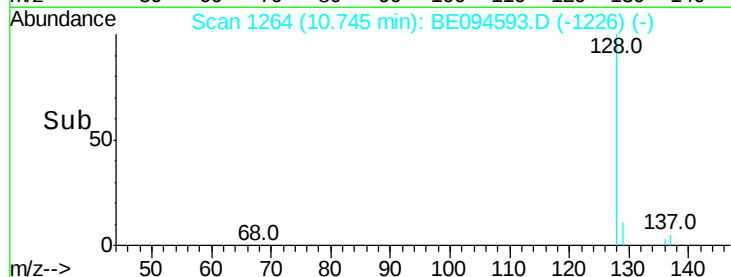
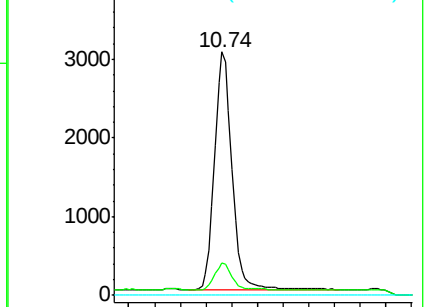
127 0.0 4.0 6.0#



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: 0.155 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094593.D

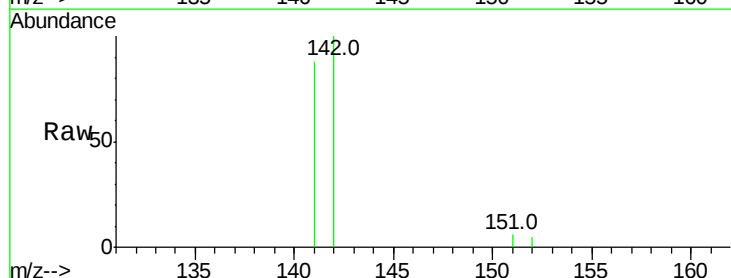
Acq: 27 Oct 2017 13:21

Tgt Ion:142 Resp: 2521

Ion Ratio Lower Upper

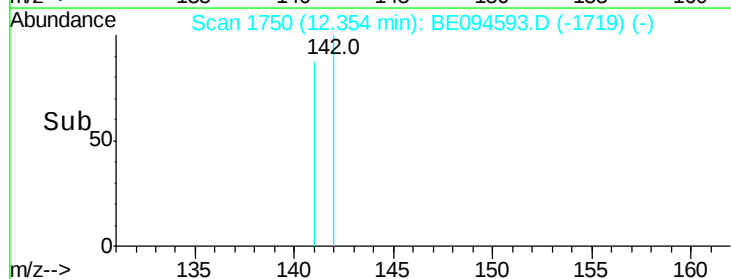
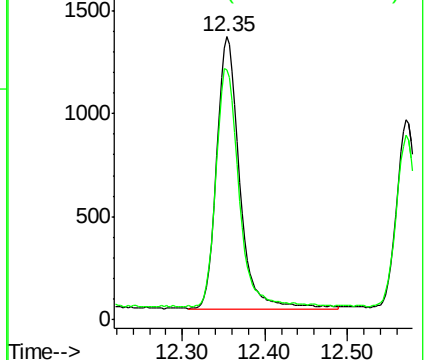
142 100

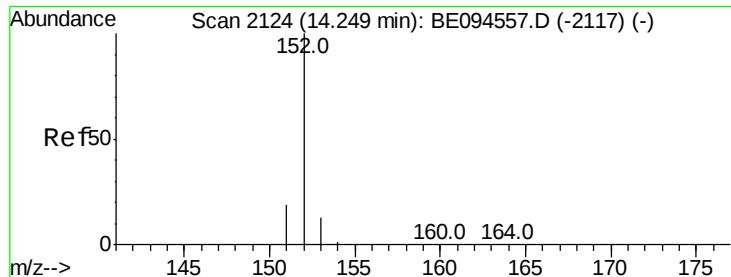
141 87.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.140 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094593.D

Acq: 27 Oct 2017 13:21

Instrument :

BNA_E

ClientSampleId :

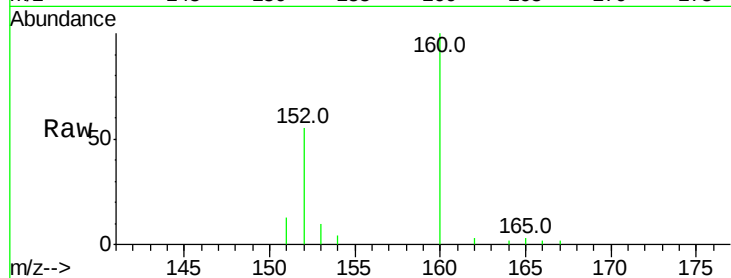
Tot Ion:152 Resp: 3418

Ion Ratio Lower Upper

152 100

151 24.0 17.1 25.7

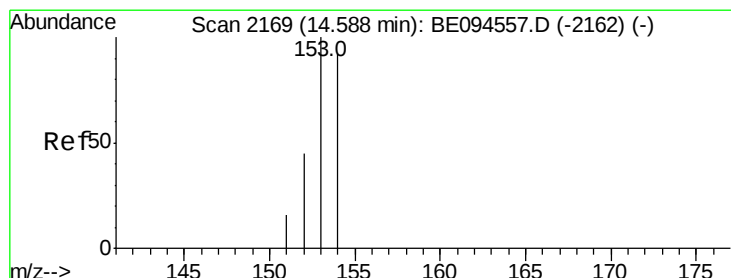
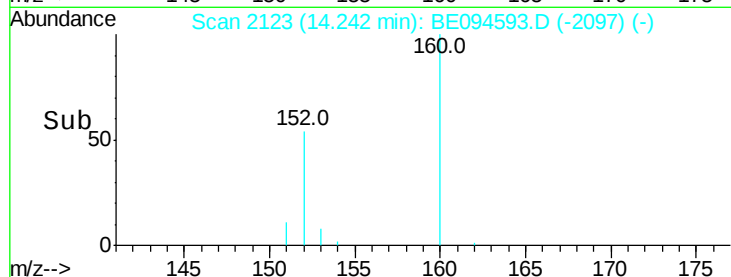
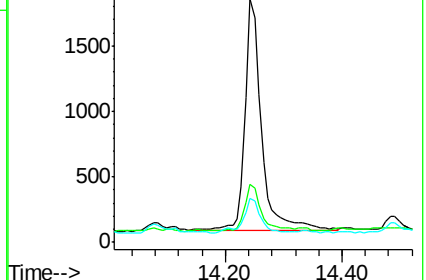
153 18.3 12.8 19.2



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: 0.398 ng/ul

RT: 14.58 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094593.D

Acq: 27 Oct 2017 13:21

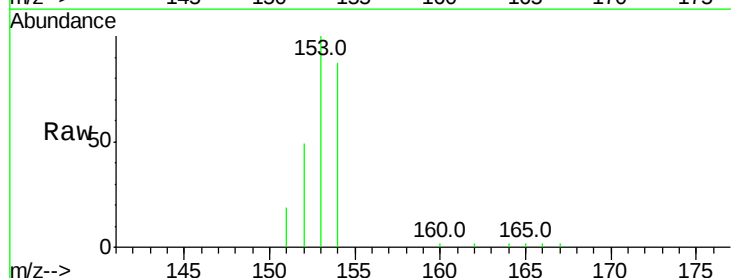
Tgt Ion:153 Resp: 6997

Ion Ratio Lower Upper

153 100

152 49.0 36.0 54.0

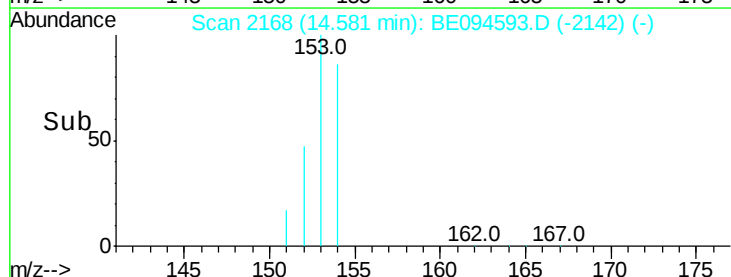
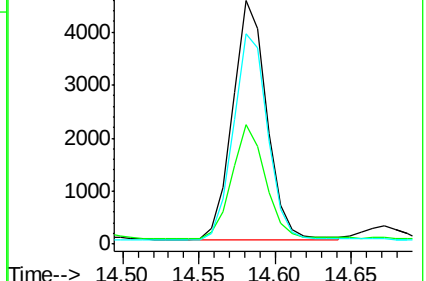
154 86.6 72.0 108.0

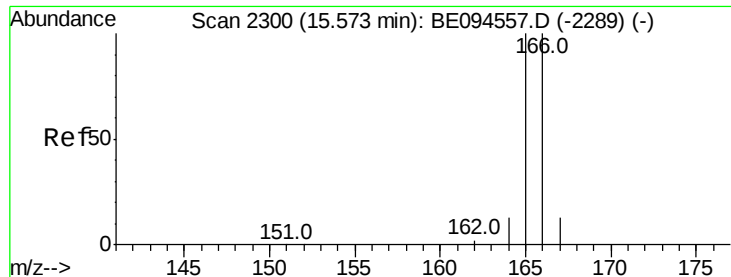


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

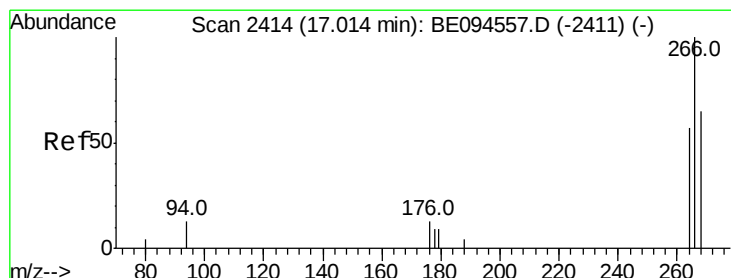
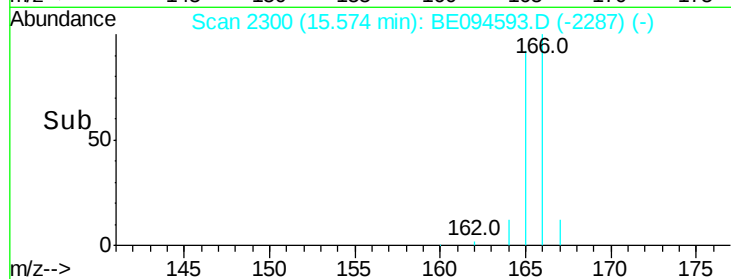
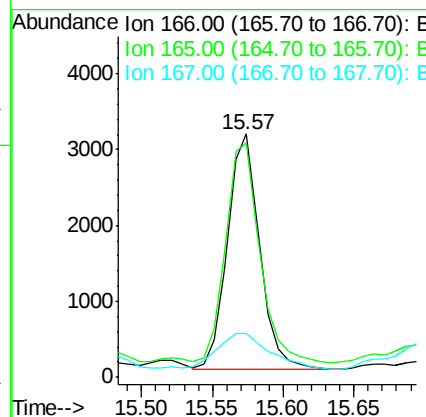
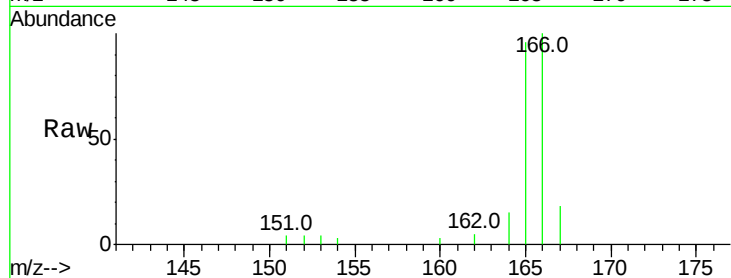




#9
Fluorene
 Concen: 0.246 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: BE094593.D
 Acq: 27 Oct 2017 13:21

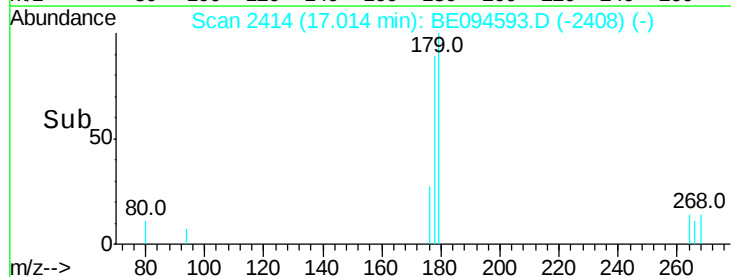
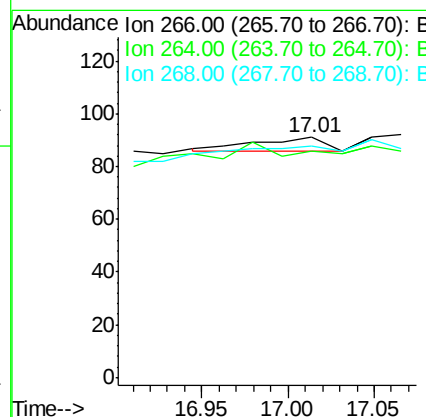
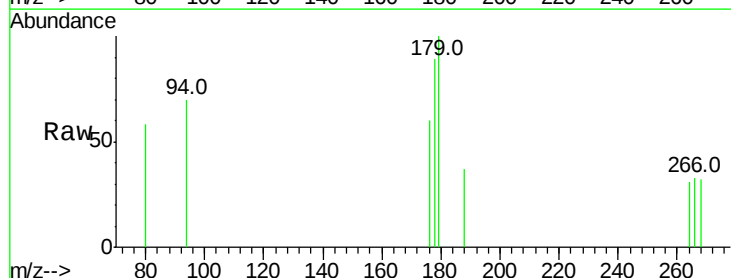
Instrument :
 BNA_E
 ClientSampleId :

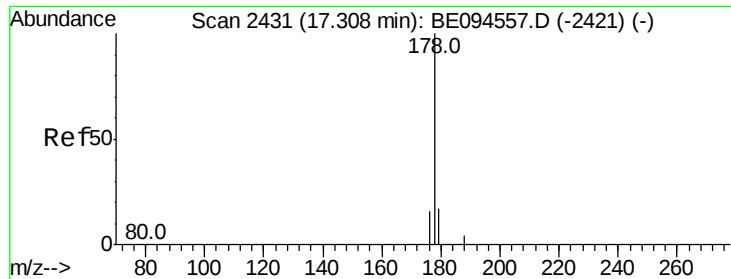
Tot Ion:166 Resp: 4859
 Ion Ratio Lower Upper
 166 100
 165 96.3 73.4 110.2
 167 18.1 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.022 ng/ul
 RT: 17.01 min Scan# 2414
 Delta R.T. 0.00 min
 Lab File: BE094593.D
 Acq: 27 Oct 2017 13:21

Tgt Ion:266 Resp: 13
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 0.671 ng/ul

RT: 17.39 min Scan# 2436

Delta R.T. 0.09 min

Lab File: BE094593.D

Acq: 27 Oct 2017 13:21

Instrument :

BNA_E

ClientSampleId :

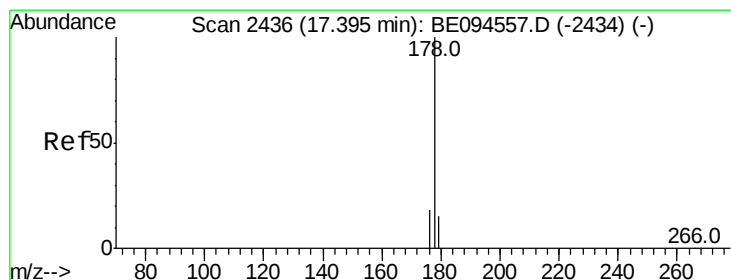
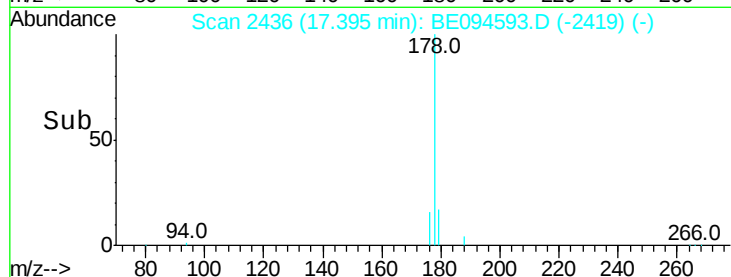
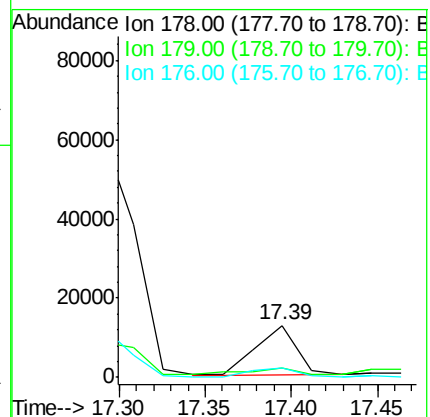
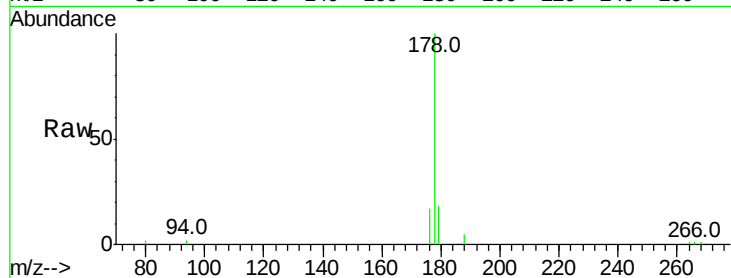
Tot Ion:178 Resp: 20887

Ion Ratio Lower Upper

178 100

179 18.4 18.4 27.6

176 16.8 13.6 20.4



#13

Anthracene

Concen: 0.755 ng/ul

RT: 17.39 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BE094593.D

Acq: 27 Oct 2017 13:21

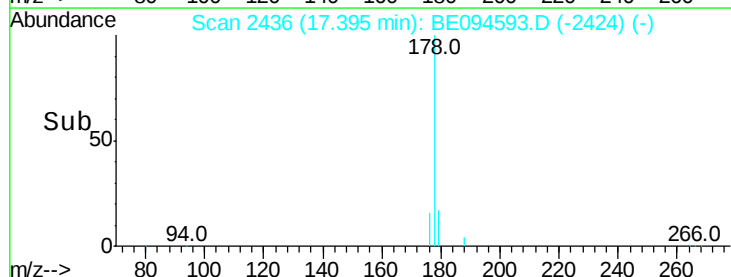
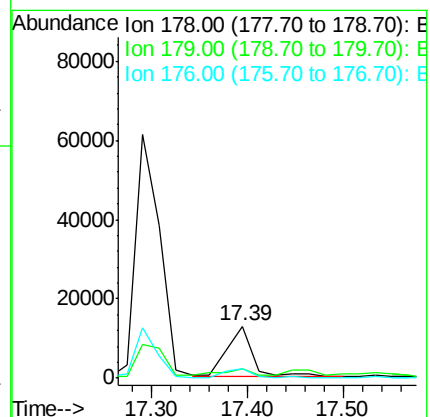
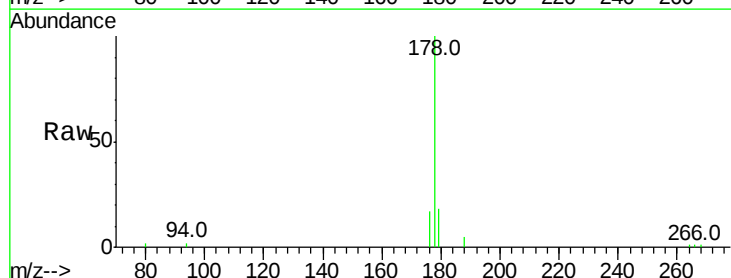
Tgt Ion:178 Resp: 23203

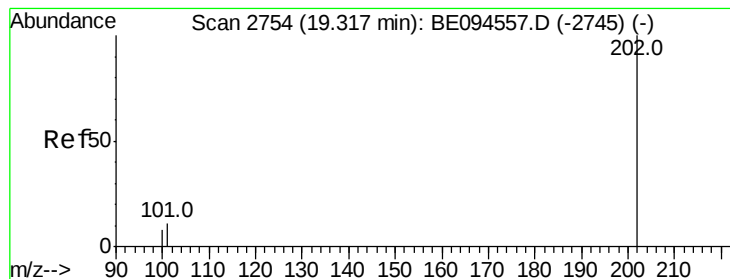
Ion Ratio Lower Upper

178 100

179 18.4 18.1 27.1

176 16.8 14.7 22.1





#15

Fluoranthene

Concen: 8.068 ng/ul

RT: 19.32 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE094593.D

Acq: 27 Oct 2017 13:21

Instrument :

BNA_E

ClientSampleId :

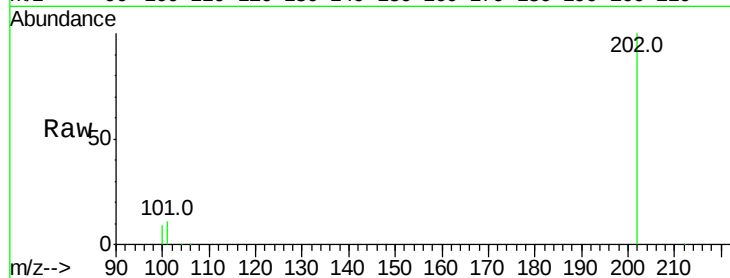
Tot Ion:202 Resp: 290496

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.3

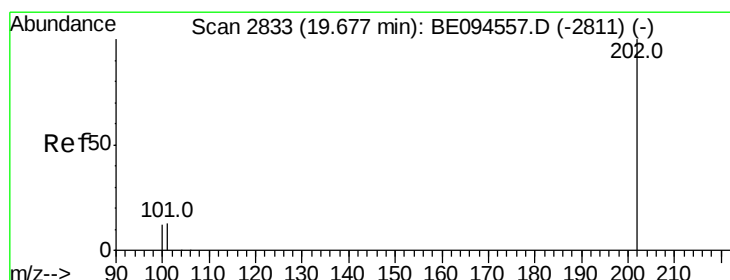
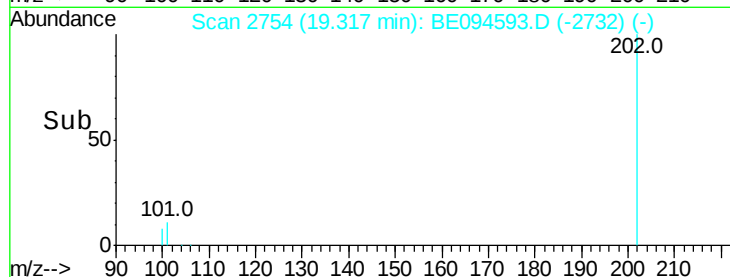
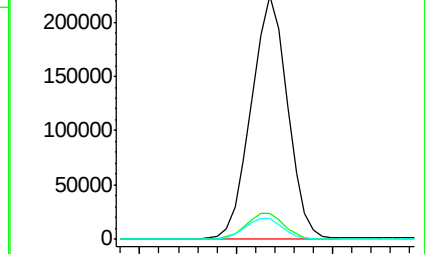
100 8.5 0.0 39.5



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: 7.687 ng/ul

RT: 19.68 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BE094593.D

Acq: 27 Oct 2017 13:21

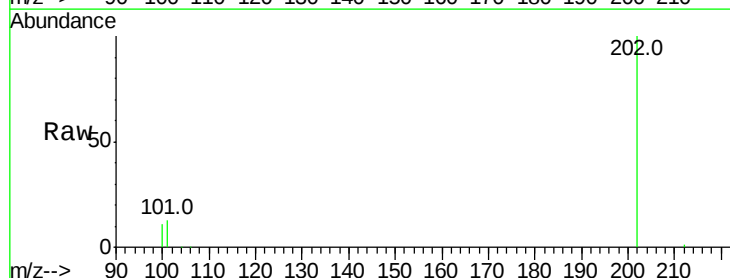
Tgt Ion:202 Resp: 275012

Ion Ratio Lower Upper

202 100

101 12.8 18.2 27.4#

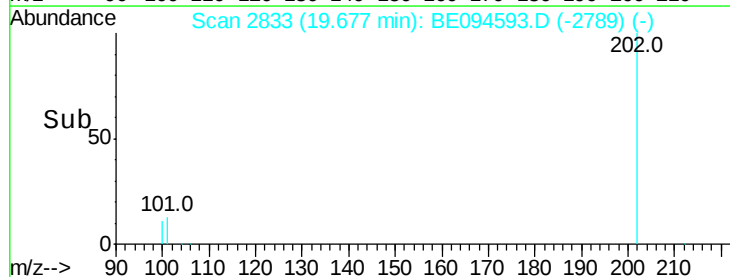
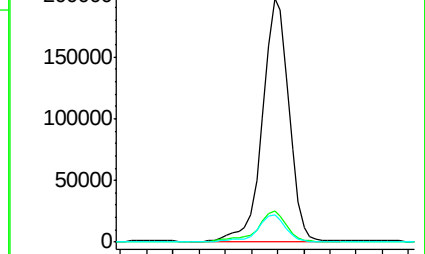
100 11.1 15.6 23.4#

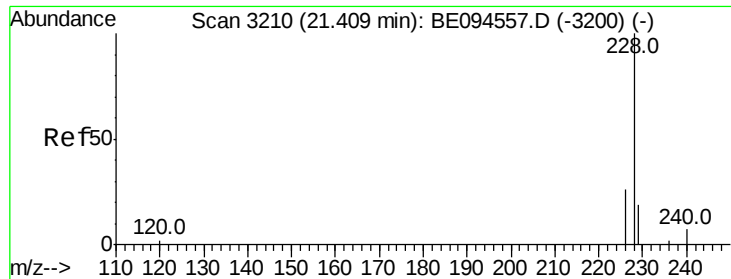


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

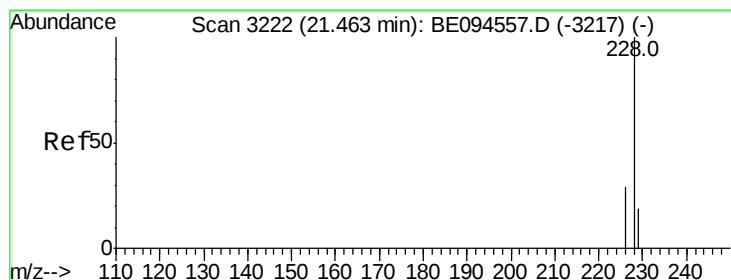
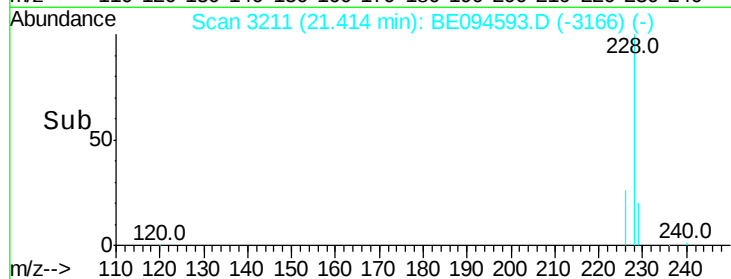
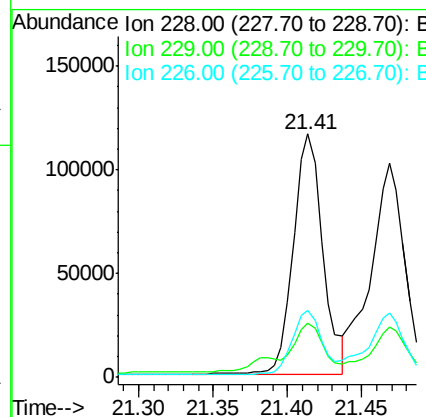
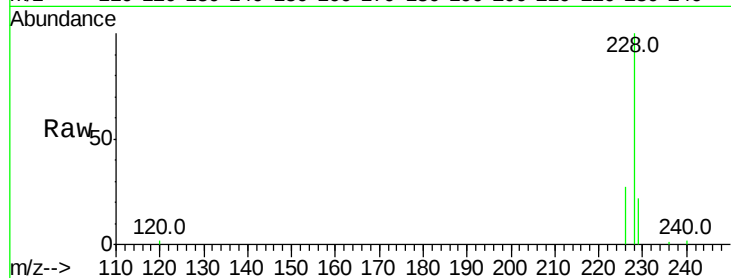




#18
Benzo(a)anthracene
Concen: 4.846 ng/ul
RT: 21.41 min Scan# 3211
Delta R.T. 0.01 min
Lab File: BE094593.D
Acq: 27 Oct 2017 13:21

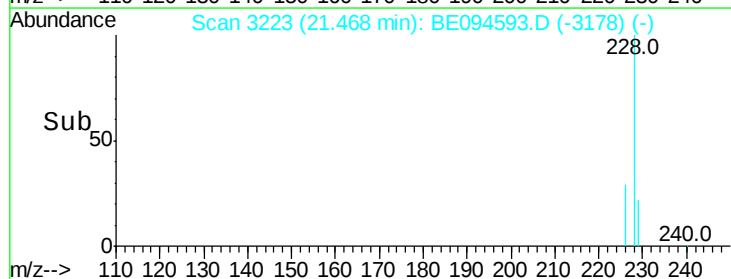
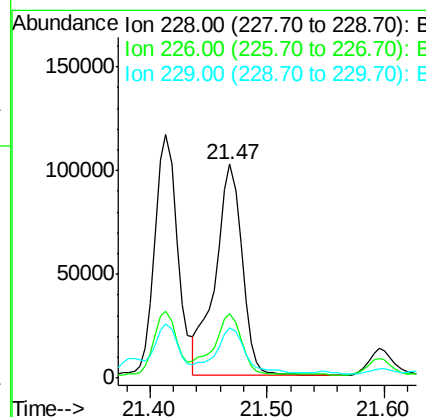
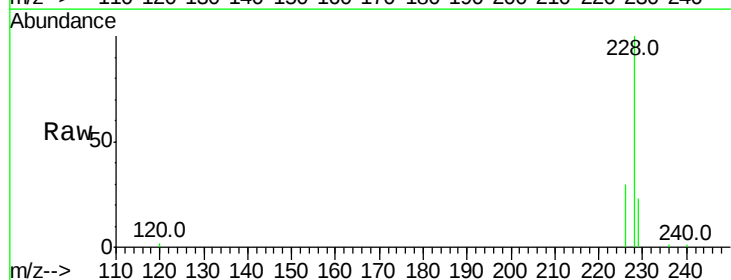
Instrument :
BNA_E
ClientSampleId :

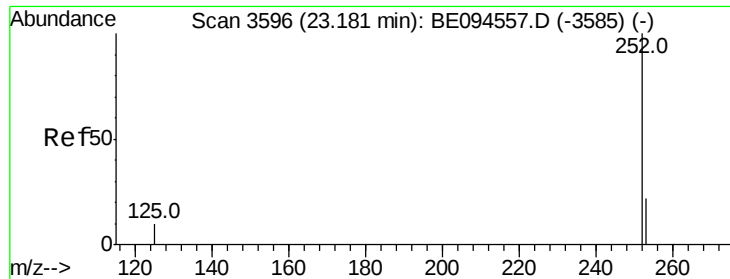
Tot Ion:228 Resp: 160338
Ion Ratio Lower Upper
228 100
229 22.0 22.8 34.2#
226 27.3 17.0 25.6#



#19
Chrysene
Concen: 4.754 ng/ul
RT: 21.47 min Scan# 3223
Delta R.T. 0.01 min
Lab File: BE094593.D
Acq: 27 Oct 2017 13:21

Tgt Ion:228 Resp: 162557
Ion Ratio Lower Upper
228 100
226 30.3 23.4 35.0
229 23.4 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 9.962 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. 0.01 min

Lab File: BE094593.D

Acq: 27 Oct 2017 13:21

Instrument :

BNA_E

ClientSampleId :

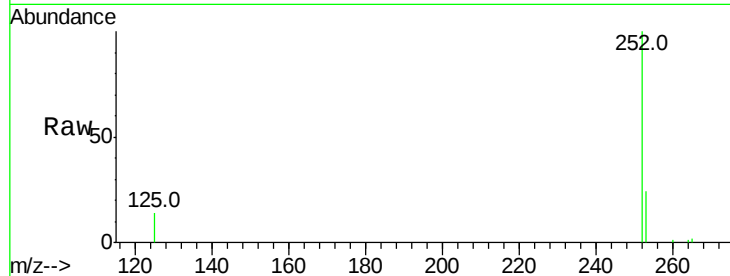
Tot Ion:252 Resp: 314578

Ion Ratio Lower Upper

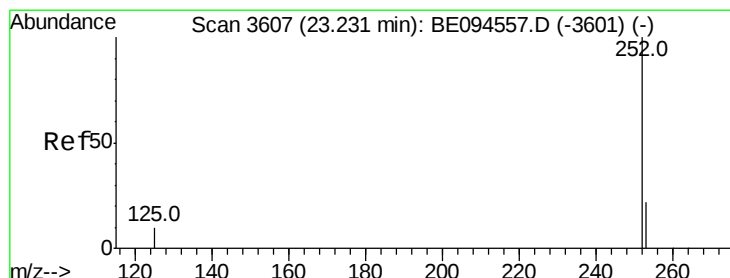
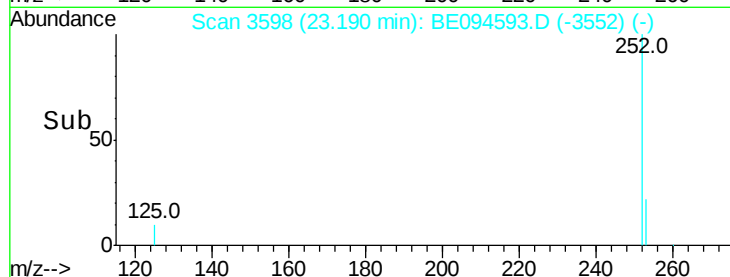
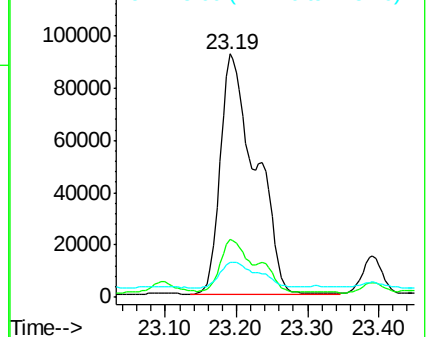
252 100

253 23.9 0.0 64.2

125 14.4 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: 9.296 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.04 min

Lab File: BE094593.D

Acq: 27 Oct 2017 13:21

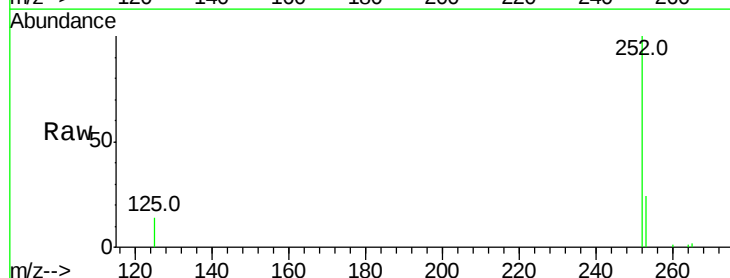
Tgt Ion:252 Resp: 314562

Ion Ratio Lower Upper

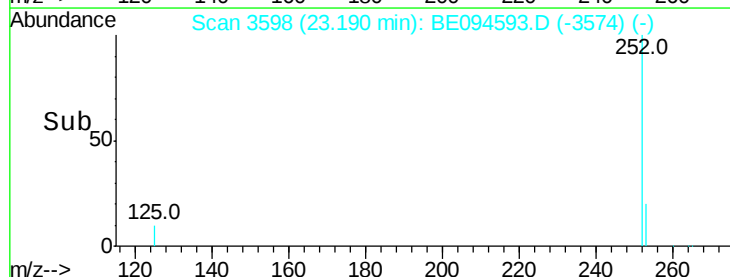
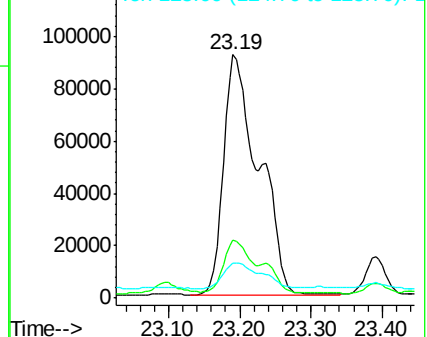
252 100

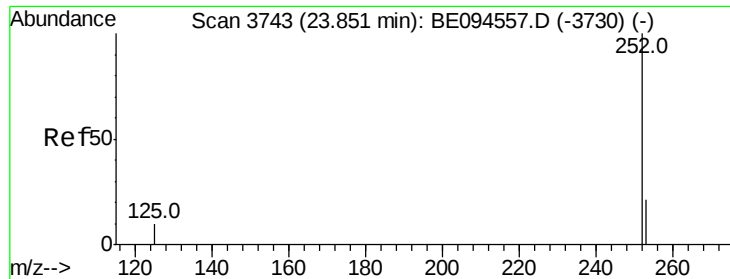
253 23.9 24.5 36.7#

125 14.4 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: 4.833 ng/ul

RT: 23.86 min Scan# 3745

Delta R.T. 0.01 min

Lab File: BE094593.D

Acq: 27 Oct 2017 13:21

Instrument :

BNA_E

ClientSampleId :

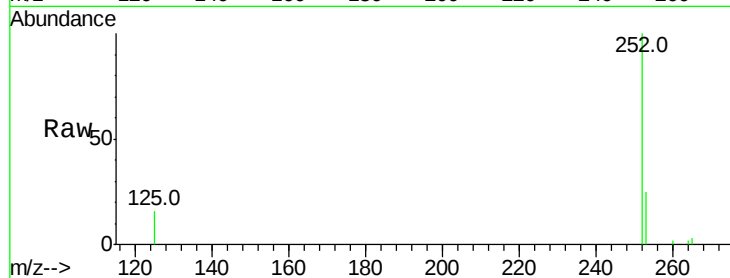
Tot Ion:252 Resp: 152569

Ion Ratio Lower Upper

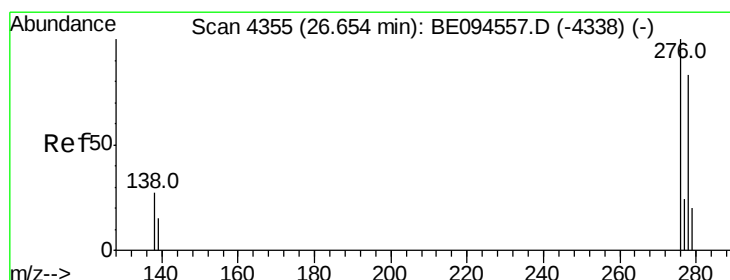
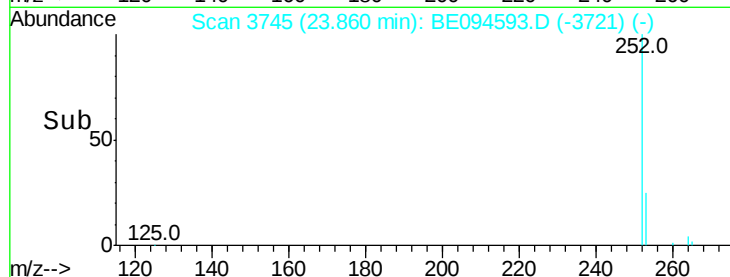
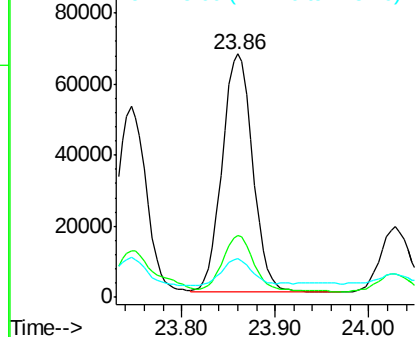
252 100

253 25.5 28.5 42.7#

125 15.7 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: 3.109 ng/ul

RT: 26.68 min Scan# 4360

Delta R.T. 0.02 min

Lab File: BE094593.D

Acq: 27 Oct 2017 13:21

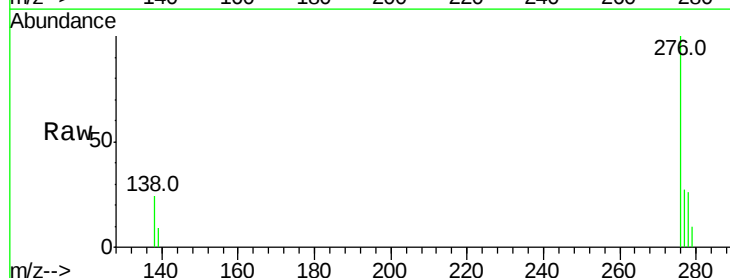
Tgt Ion:276 Resp: 101552

Ion Ratio Lower Upper

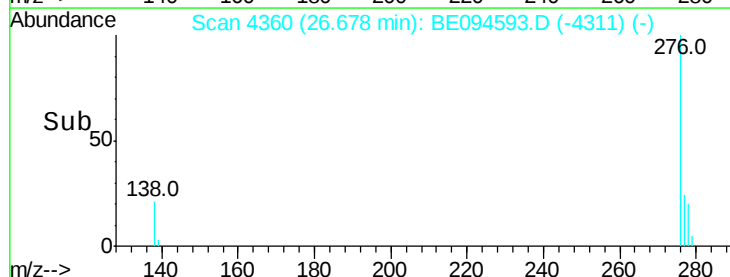
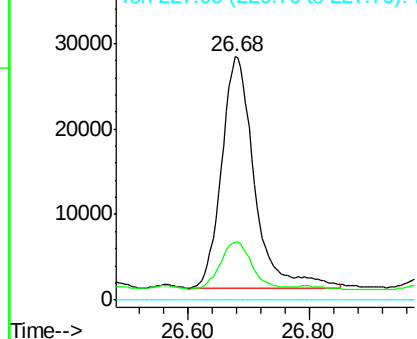
276 100

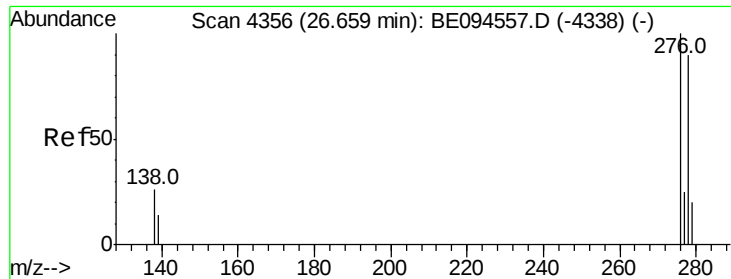
138 19.8 28.0 42.0#

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

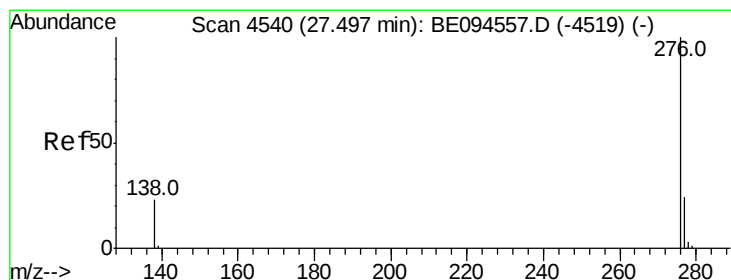
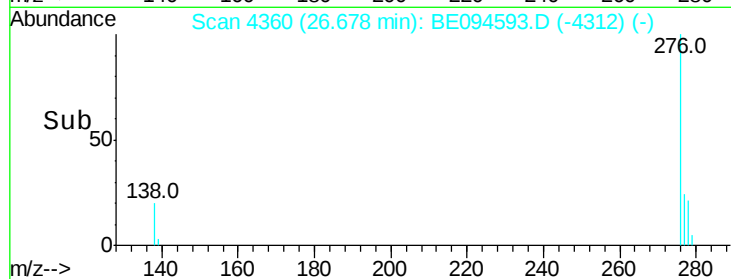
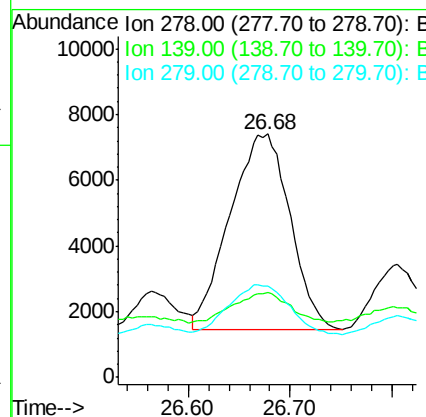
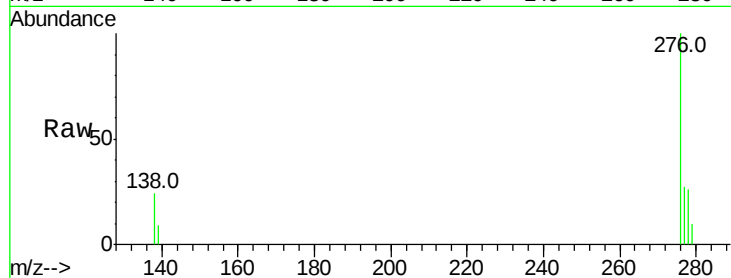




#25
Dibenzo(a,h)anthracene
Concen: 0.878 ng/ul
RT: 26.68 min Scan# 4360
Delta R.T. 0.02 min
Lab File: BE094593.D
Acq: 27 Oct 2017 13:21

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 24160
Ion Ratio Lower Upper
278 100
139 34.6 17.4 26.0#
279 37.4 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 3.218 ng/ul
RT: 27.53 min Scan# 4546
Delta R.T. 0.03 min
Lab File: BE094593.D
Acq: 27 Oct 2017 13:21

Tgt Ion:276 Resp: 84393
Ion Ratio Lower Upper
276 100
138 26.2 21.8 32.8
277 28.7 20.5 30.7

