

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094217.D
 Acq On : 9 Oct 2017 11:12
 Operator : SJ/JU
 Sample : I5449-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 10 08:51:35 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 09 04:05:38 2017
 Response via : Initial Calibration

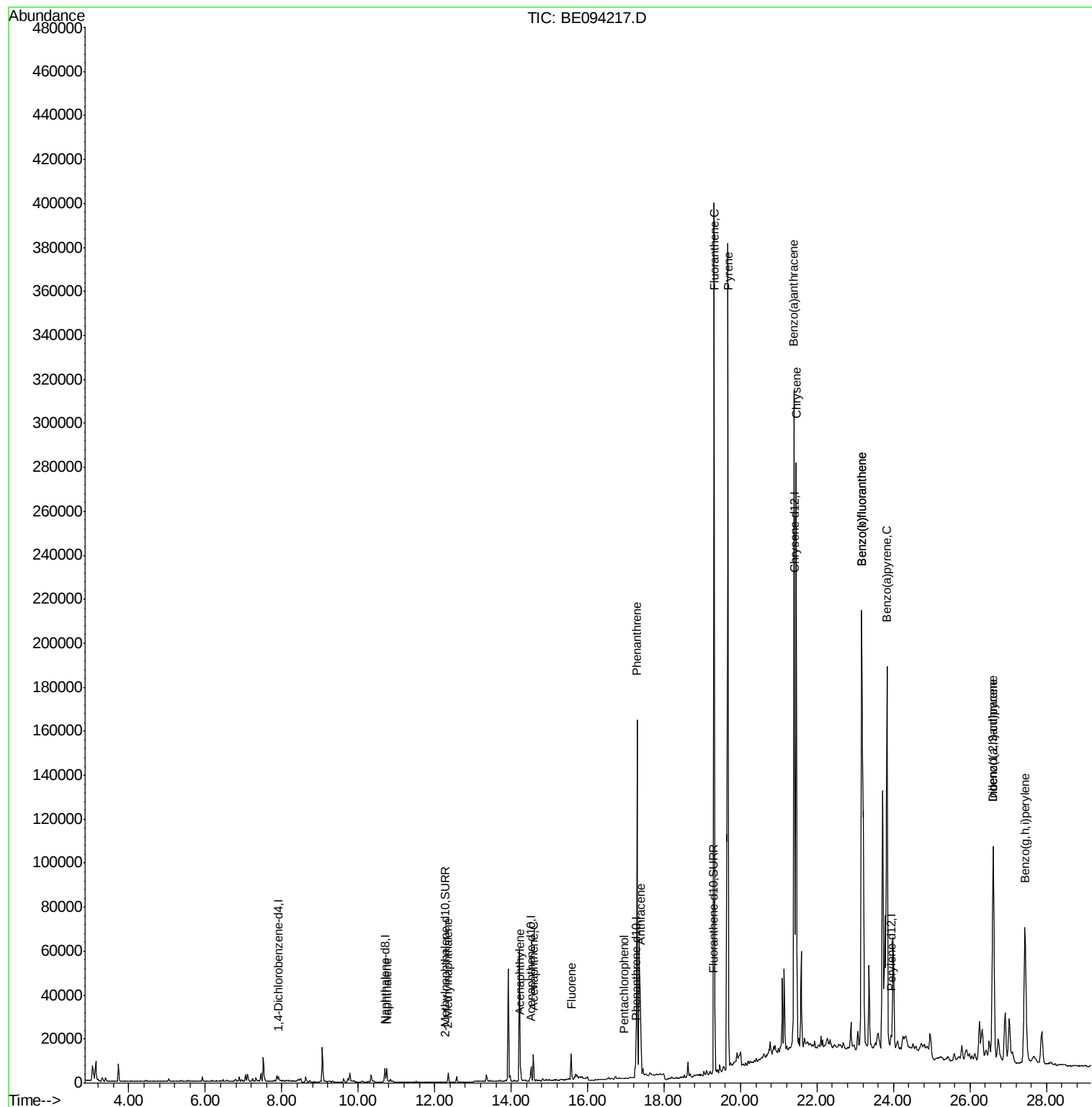
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1214	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	6650	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	3918	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8052	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	9198	0.40	ng/ul	0.00
20) Perylene-d12	23.94	264	7833	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	470	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1101	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	9601	0.589	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	3842	0.364	ng/ul	96
7) Acenaphthylene	14.24	152	8268	0.541	ng/ul	99
8) Acenaphthene	14.58	153	7239	0.576	ng/ul	97
9) Fluorene	15.57	166	7551	0.513	ng/ul	92
11) Pentachlorophenol	16.96	266	258	0.273	ng/ul	88
12) Phenanthrene	17.29	178	171220	8.137	ng/ul#	89
13) Anthracene	17.38	178	46362	2.265	ng/ul#	90
15) Fluoranthene	19.31	202	443795	16.052	ng/ul	84
17) Pyrene	19.67	202	414408	16.193	ng/ul#	81
18) Benzo(a)anthracene	21.40	228	280945	11.514	ng/ul#	86
19) Chrysene	21.45	228	268798	9.539	ng/ul	97
21) Benzo(b)fluoranthene	23.17	252	501946	23.590	ng/ul	88
22) Benzo(k)fluoranthene	23.17	252	501946	20.408	ng/ul#	90
23) Benzo(a)pyrene	23.83	252	271703	12.288	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.60	276	180093	7.962	ng/ul#	76
25) Dibenzo(a,h)anthracene	26.60	278	47715	2.515	ng/ul#	91
26) Benzo(g,h,i)perylene	27.44	276	155021	7.946	ng/ul	97

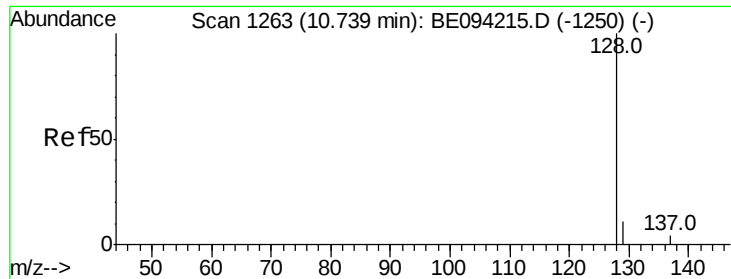
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_E
ClientSampled :

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#3

Naphthalene

Concen: 0.589 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

Instrument :

BNA_E

ClientSampleId :

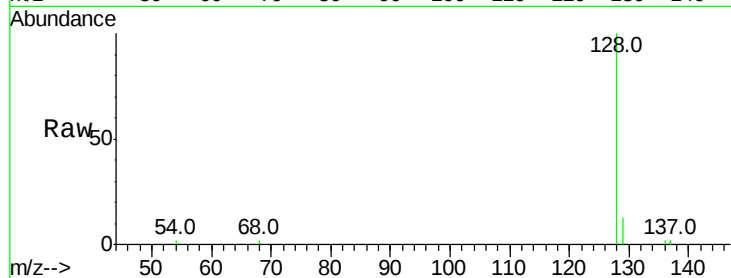
Tot Ion:128 Resp: 9601

Ion Ratio Lower Upper

128 100

129 12.6 11.3 16.9

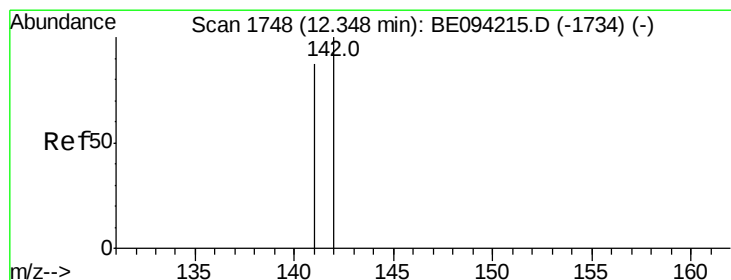
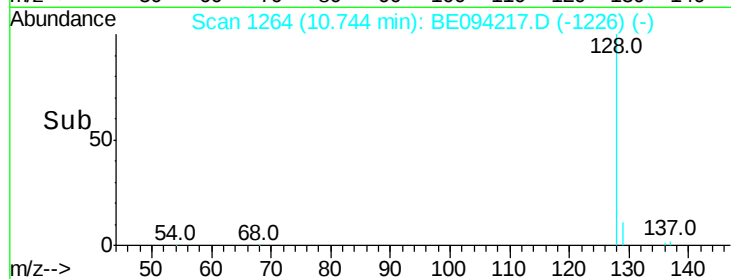
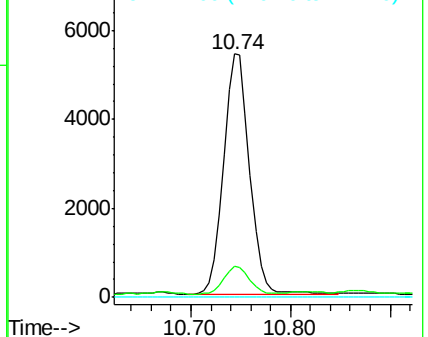
127 0.0 4.0 6.0#



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: 0.364 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BE094217.D

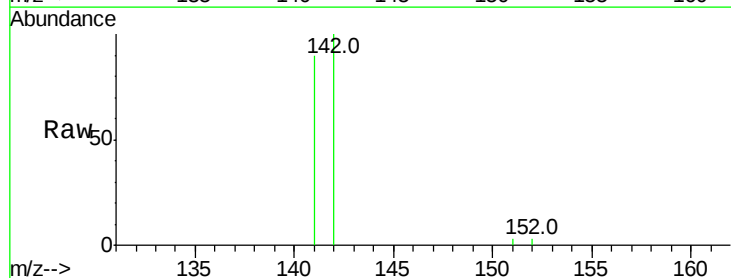
Acq: 9 Oct 2017 11:12

Tgt Ion:142 Resp: 3842

Ion Ratio Lower Upper

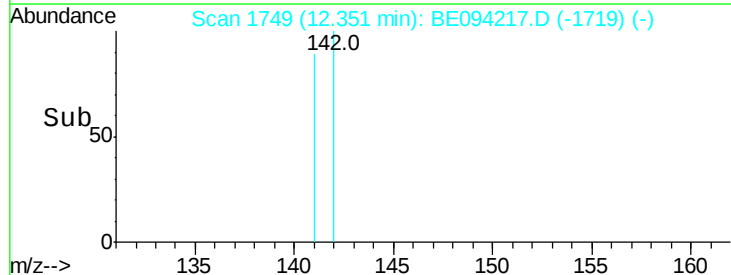
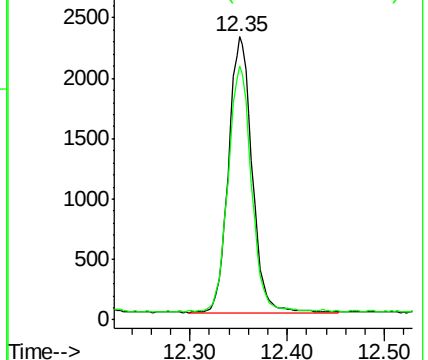
142 100

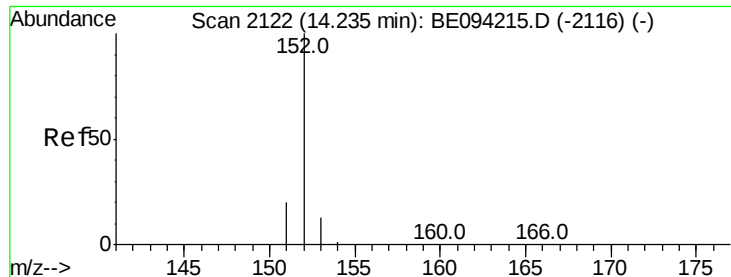
141 87.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.541 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

Instrument :

BNA_E

ClientSampleId :

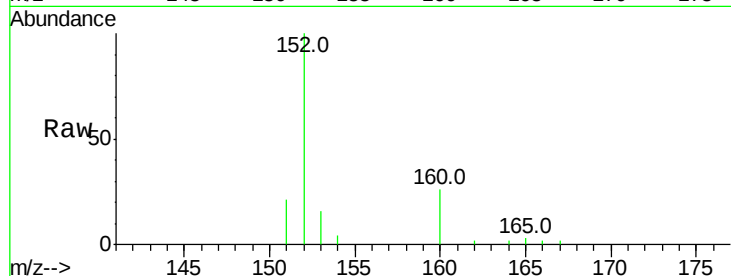
Tot Ion:152 Resp: 8268

Ion Ratio Lower Upper

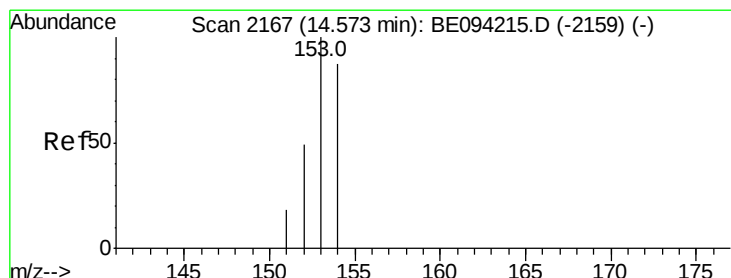
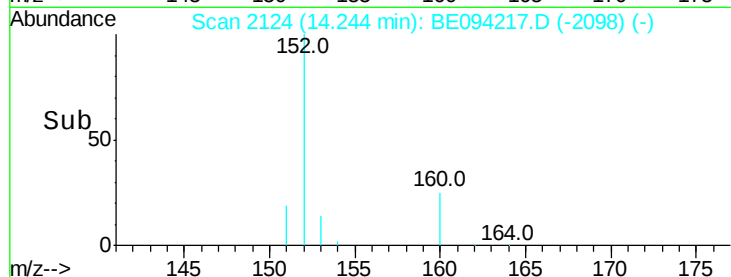
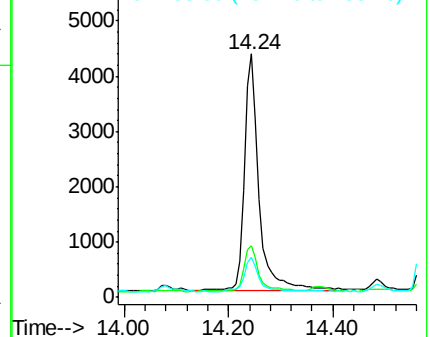
152 100

151 21.1 17.1 25.7

153 16.4 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: 0.576 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

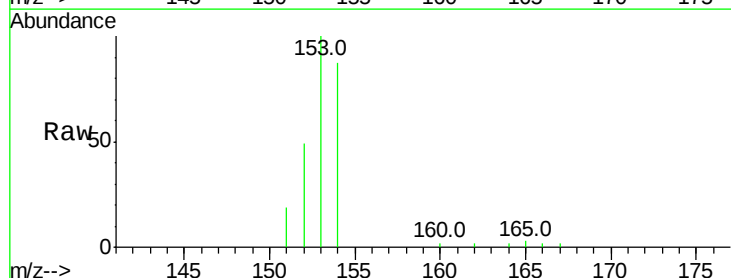
Tgt Ion:153 Resp: 7239

Ion Ratio Lower Upper

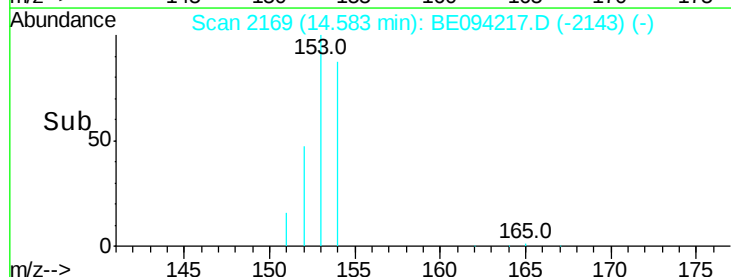
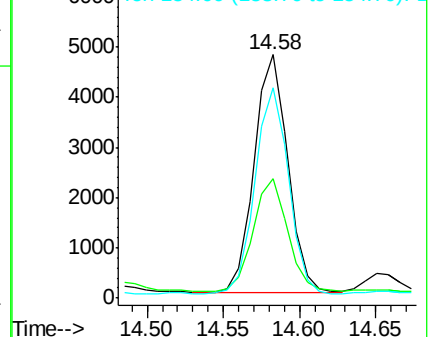
153 100

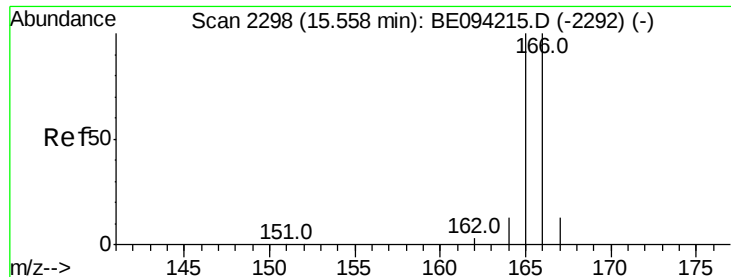
152 49.0 40.3 60.5

154 86.7 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

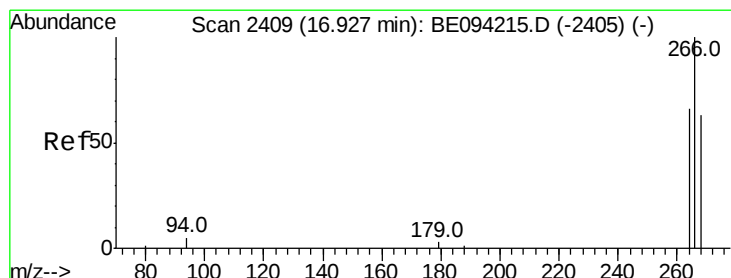
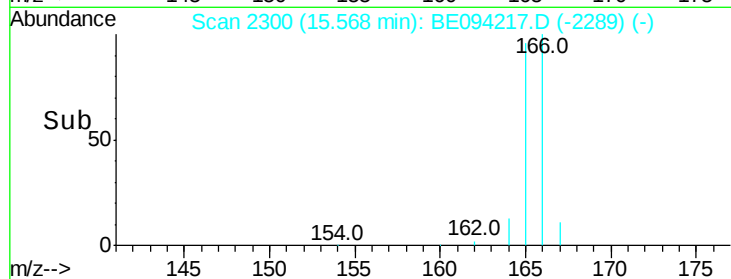
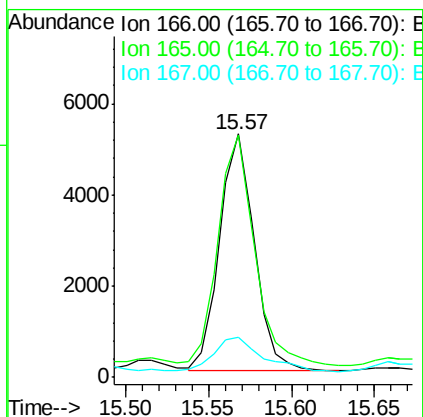
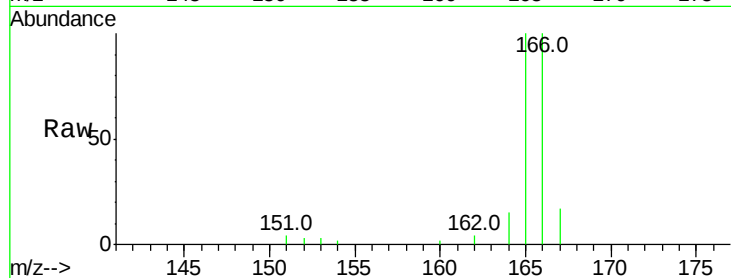




#9
Fluorene
 Concen: 0.513 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094217.D
 Acq: 9 Oct 2017 11:12

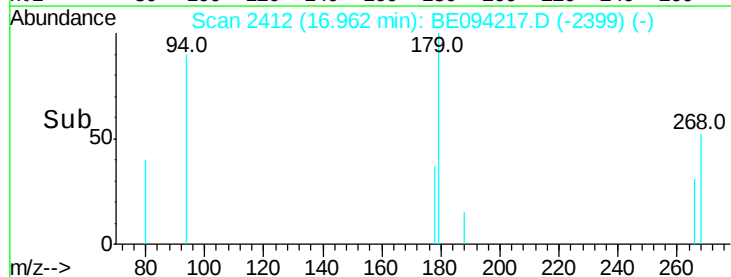
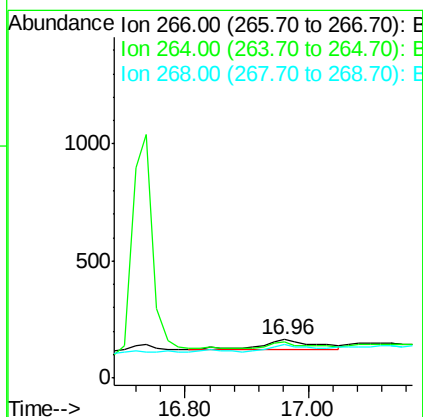
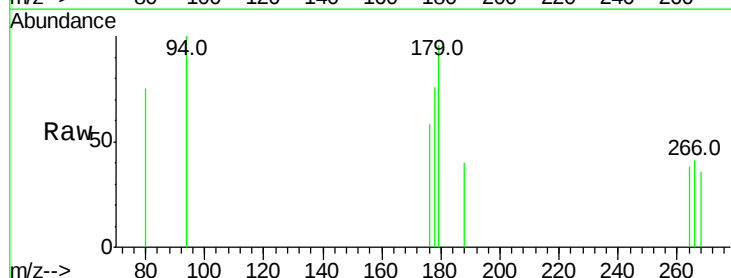
Instrument :
 BNA_E
 ClientSampleId :

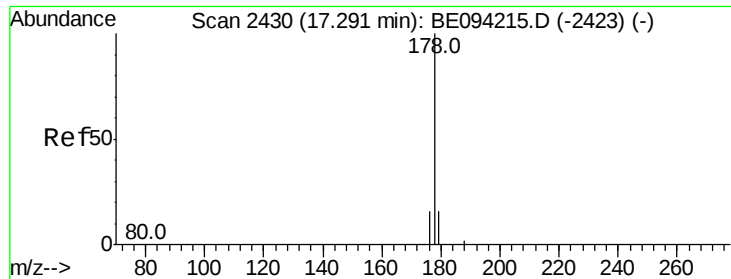
Tot Ion:166 Resp: 7551
 Ion Ratio Lower Upper
 166 100
 165 99.8 73.4 110.2
 167 16.7 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.273 ng/ul
 RT: 16.96 min Scan# 2412
 Delta R.T. 0.02 min
 Lab File: BE094217.D
 Acq: 9 Oct 2017 11:12

Tgt Ion:266 Resp: 258
 Ion Ratio Lower Upper
 266 100
 264 52.3 47.9 71.9
 268 52.3 49.8 74.8





#12

Phenanthrene

Concen: 8.137 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

Instrument :

BNA_E

ClientSampleId :

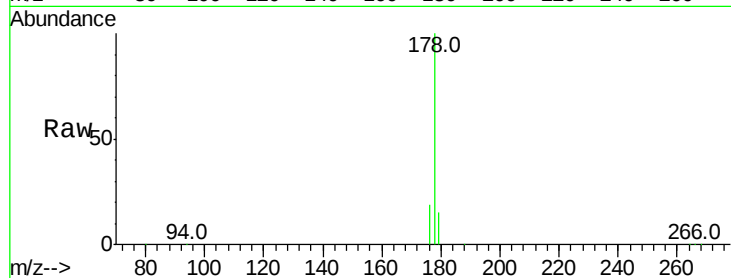
Tot Ion:178 Resp: 171220

Ion Ratio Lower Upper

178 100

179 15.4 18.4 27.6#

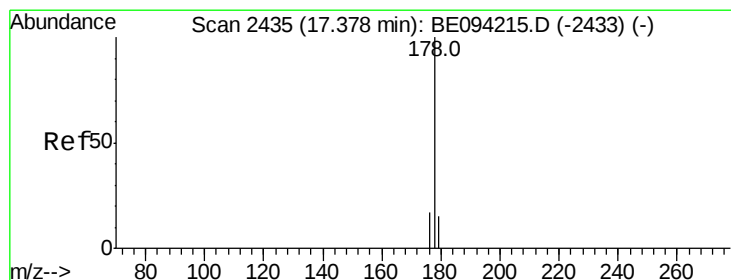
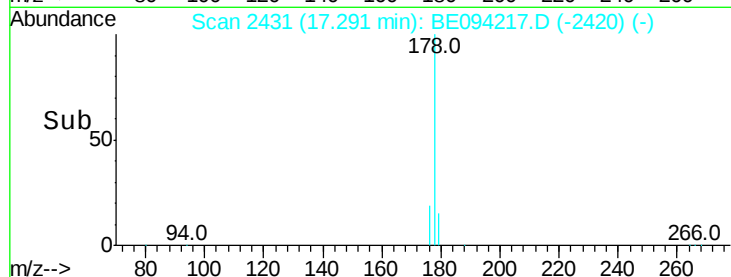
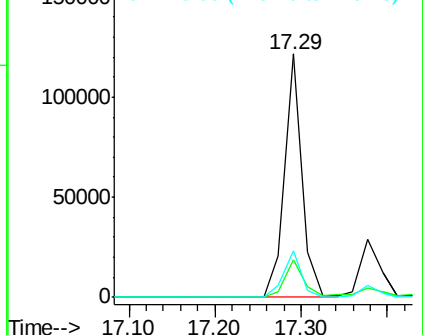
176 19.0 13.6 20.4



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: 2.265 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

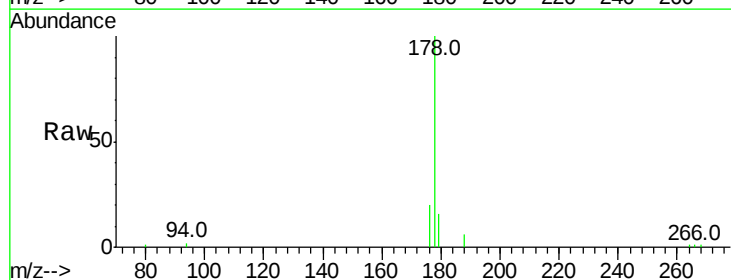
Tgt Ion:178 Resp: 46362

Ion Ratio Lower Upper

178 100

179 15.8 18.1 27.1#

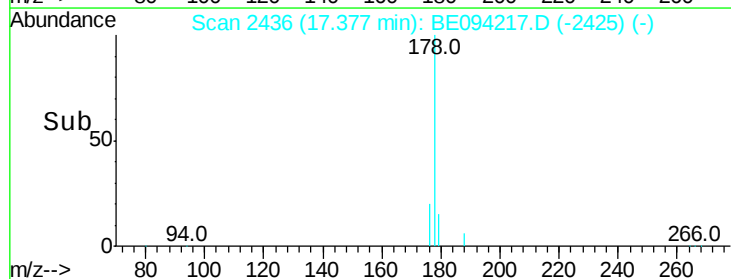
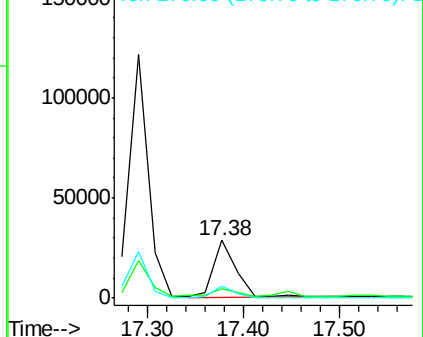
176 20.2 14.7 22.1

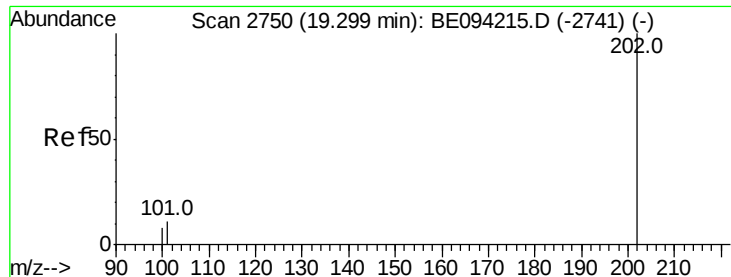


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 16.052 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.00 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

Instrument :

BNA_E

ClientSampleId :

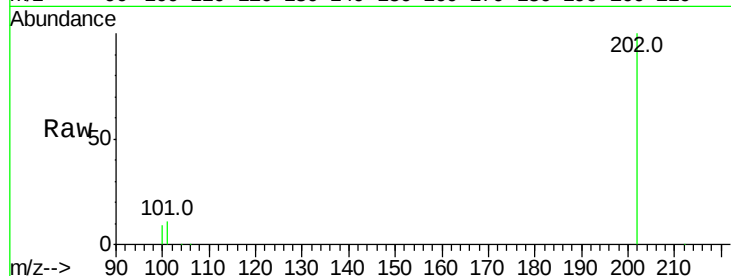
Tot Ion:202 Resp: 443795

Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.3

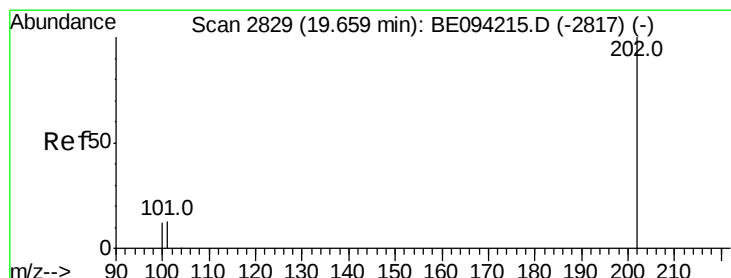
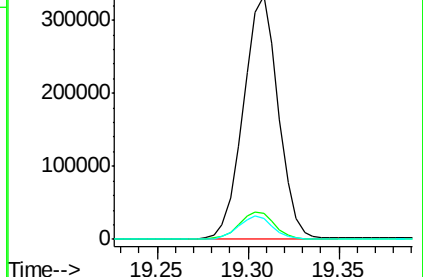
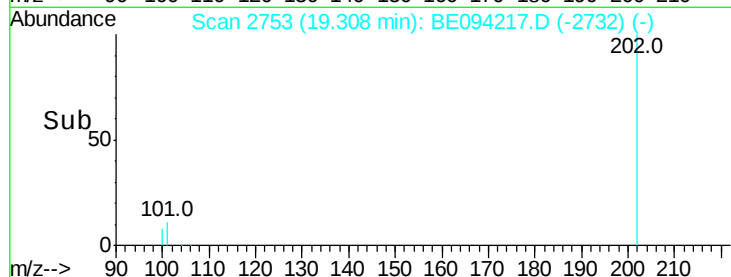
100 8.6 0.0 39.5



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: 16.193 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

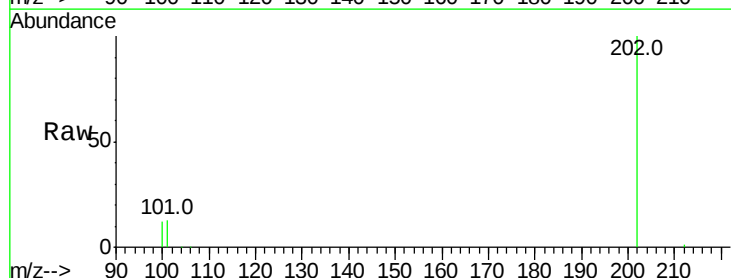
Tgt Ion:202 Resp: 414408

Ion Ratio Lower Upper

202 100

101 13.2 18.2 27.4#

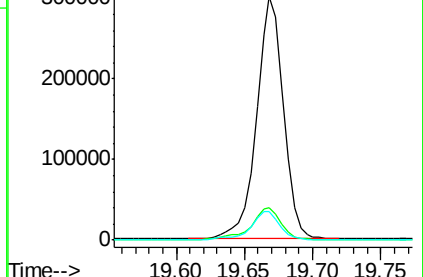
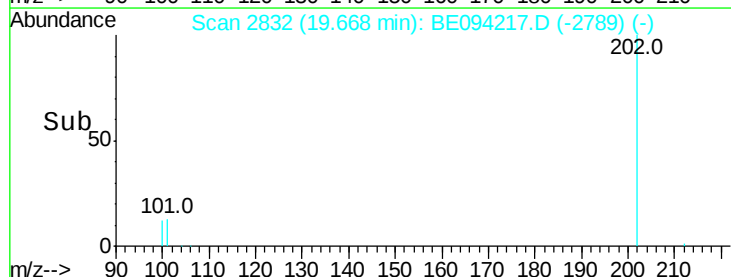
100 11.6 15.6 23.4#

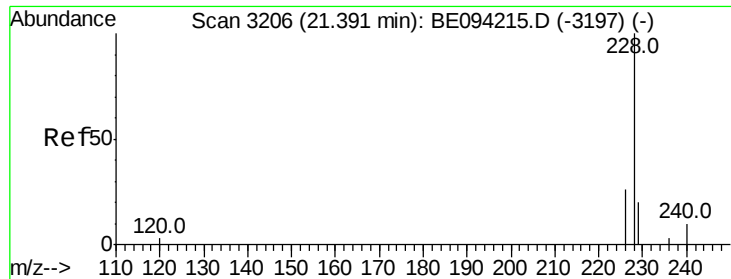


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

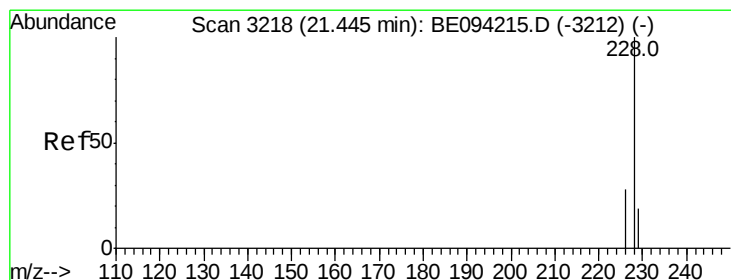
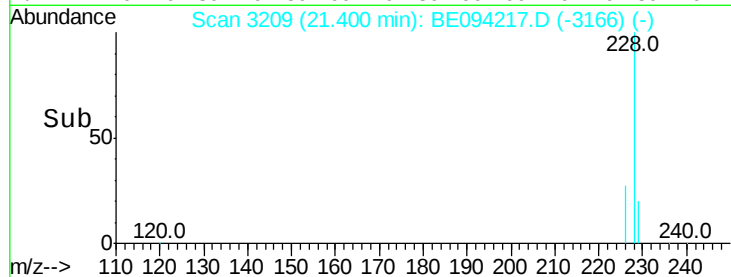
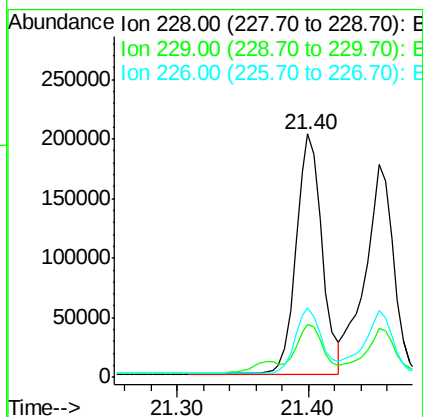
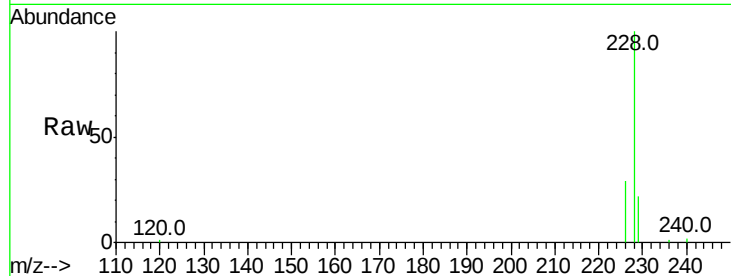




#18
Benzo(a)anthracene
Concen: 11.514 ng/ul
RT: 21.40 min Scan# 3209
Delta R.T. -0.00 min
Lab File: BE094217.D
Acq: 9 Oct 2017 11:12

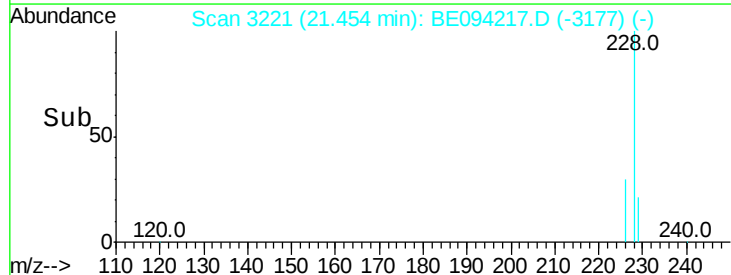
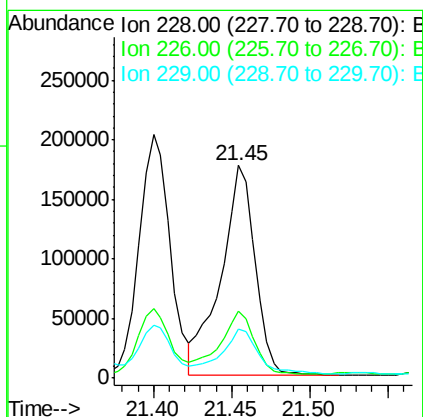
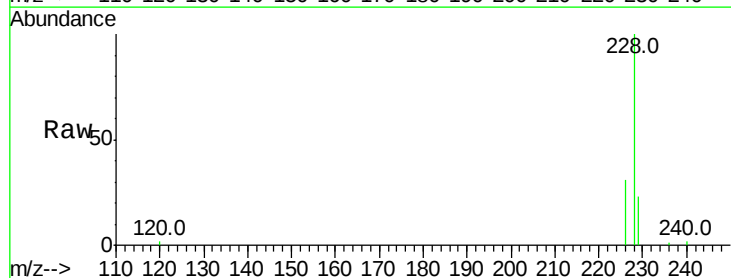
Instrument :
BNA_E
ClientSampleId :

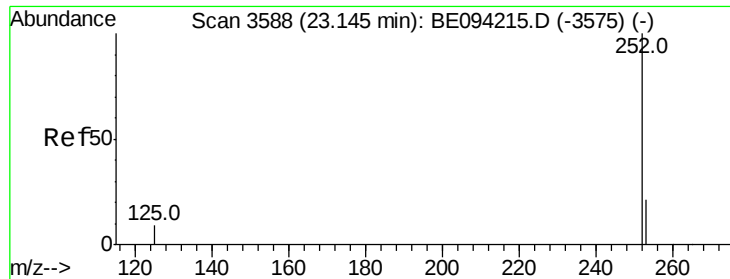
Tot Ion:228 Resp: 280945
Ion Ratio Lower Upper
228 100
229 21.7 22.8 34.2#
226 28.6 17.0 25.6#



#19
Chrysene
Concen: 9.539 ng/ul
RT: 21.45 min Scan# 3221
Delta R.T. 0.00 min
Lab File: BE094217.D
Acq: 9 Oct 2017 11:12

Tgt Ion:228 Resp: 268798
Ion Ratio Lower Upper
228 100
226 31.4 23.4 35.0
229 22.8 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 23.590 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. 0.01 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

Instrument :

BNA_E

ClientSampleId :

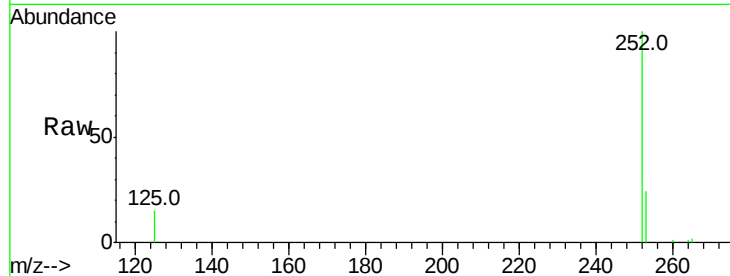
Tot Ion:252 Resp: 501946

Ion Ratio Lower Upper

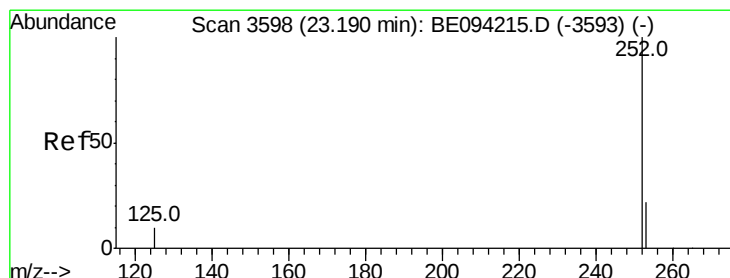
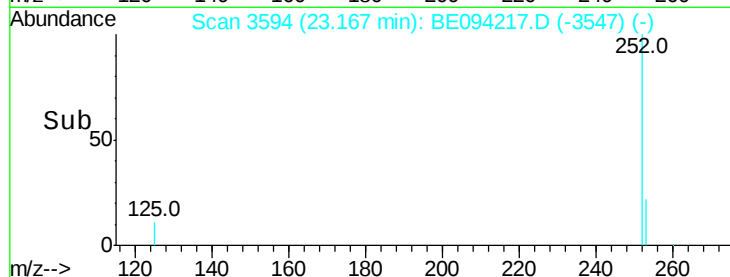
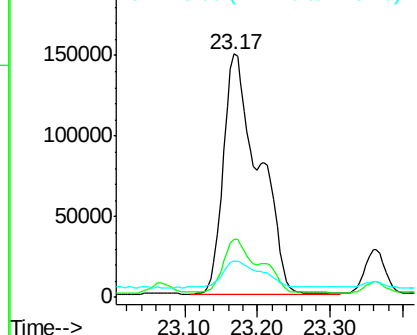
252 100

253 23.8 0.0 64.2

125 15.0 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: 20.408 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.04 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

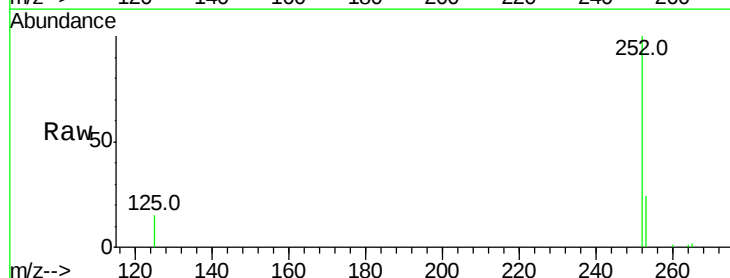
Tgt Ion:252 Resp: 501946

Ion Ratio Lower Upper

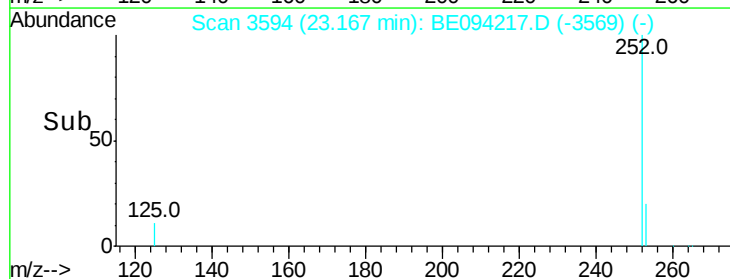
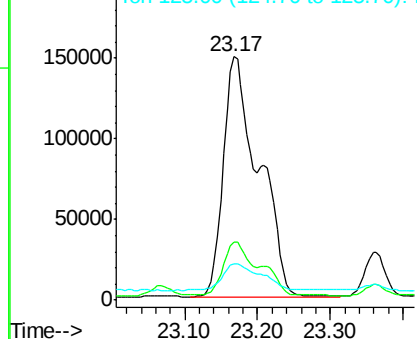
252 100

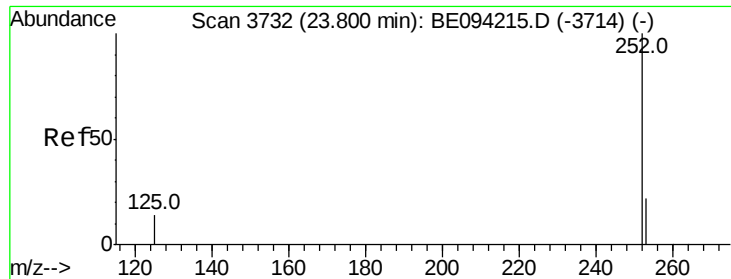
253 23.8 24.5 36.7#

125 15.0 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: 12.288 ng/ul

RT: 23.83 min Scan# 3739

Delta R.T. 0.01 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

Instrument :

BNA_E

ClientSampleId :

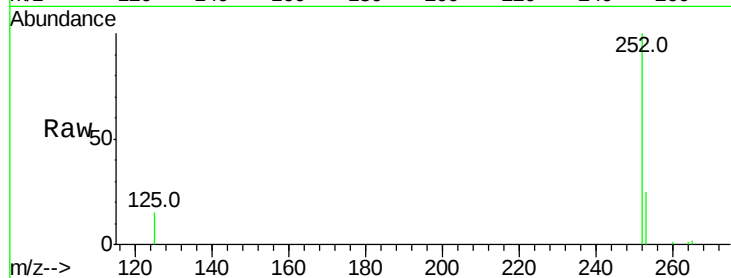
Tot Ion:252 Resp: 271703

Ion Ratio Lower Upper

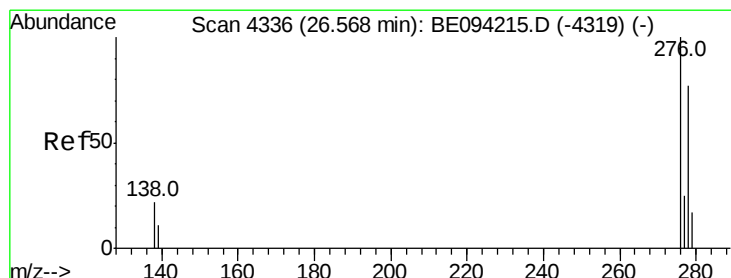
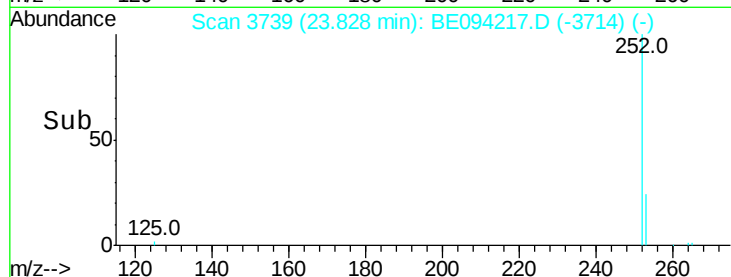
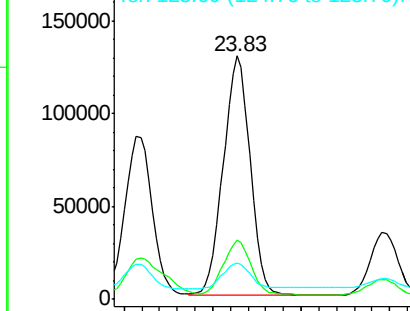
252 100

253 24.6 28.5 42.7#

125 15.1 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: 7.962 ng/ul

RT: 26.60 min Scan# 4345

Delta R.T. 0.02 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

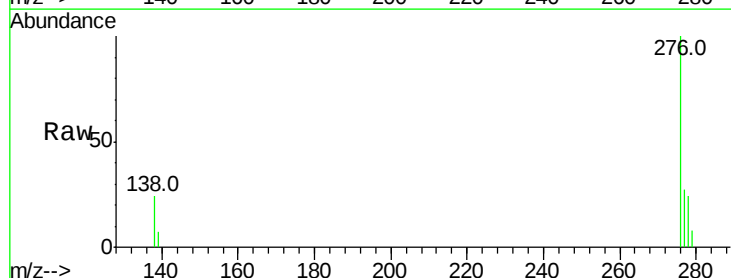
Tgt Ion:276 Resp: 180093

Ion Ratio Lower Upper

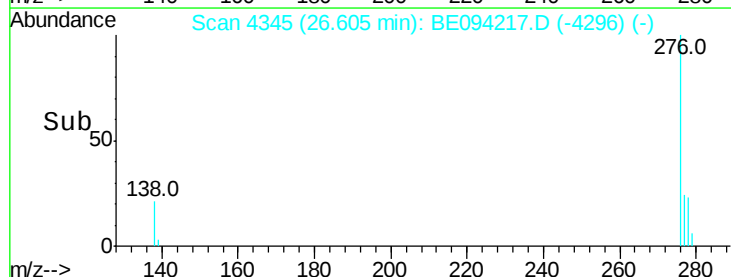
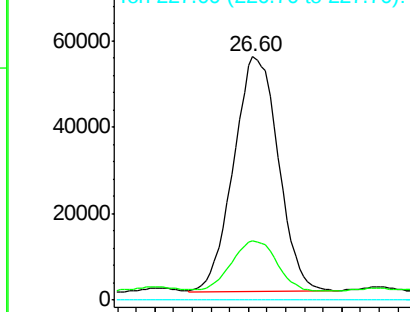
276 100

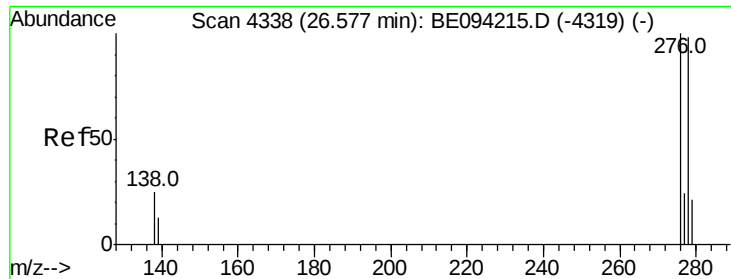
138 21.7 28.0 42.0#

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

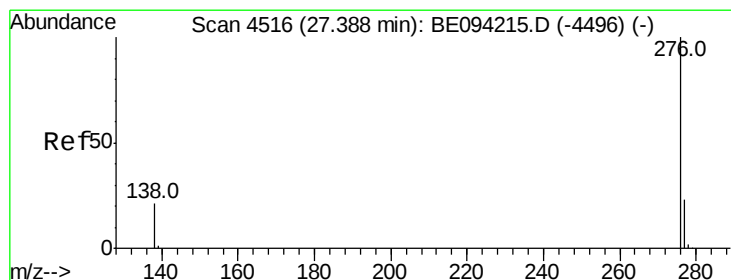
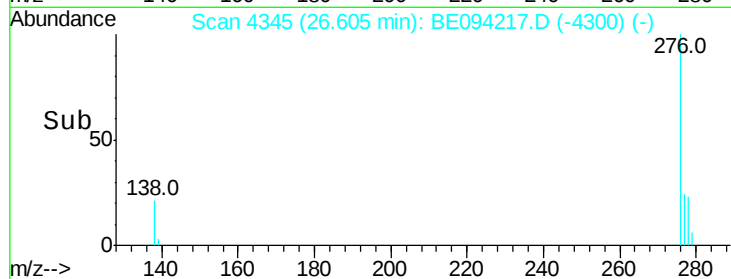
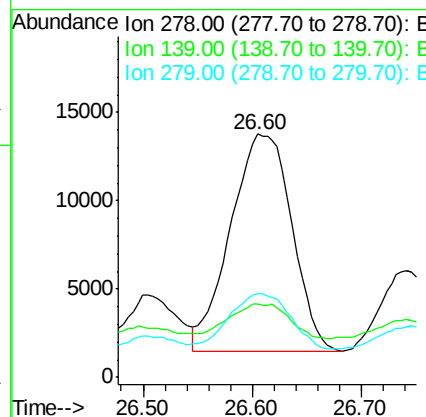
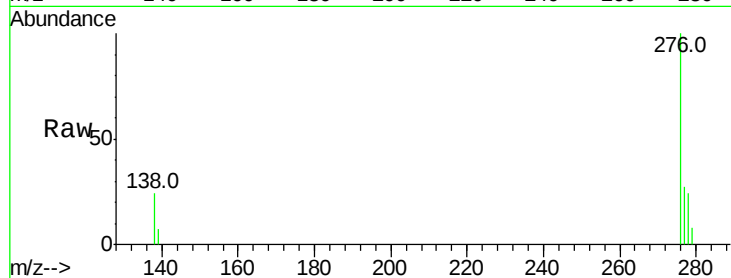




#25
Dibenzo(a,h)anthracene
Concen: 2.515 ng/ul
RT: 26.60 min Scan# 4345
Delta R.T. 0.00 min
Lab File: BE094217.D
Acq: 9 Oct 2017 11:12

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 47715
Ion Ratio Lower Upper
278 100
139 30.0 17.4 26.0#
279 34.4 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 7.946 ng/ul
RT: 27.44 min Scan# 4528
Delta R.T. 0.04 min
Lab File: BE094217.D
Acq: 9 Oct 2017 11:12

Tgt Ion:276 Resp: 155021
Ion Ratio Lower Upper
276 100
138 25.6 21.8 32.8
277 26.7 20.5 30.7

