

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094262.D
 Acq On : 10 Oct 2017 21:53
 Operator : SJ/JU
 Sample : I5522-20DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 07:33:32 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 07:23:41 2017
 Response via : Initial Calibration

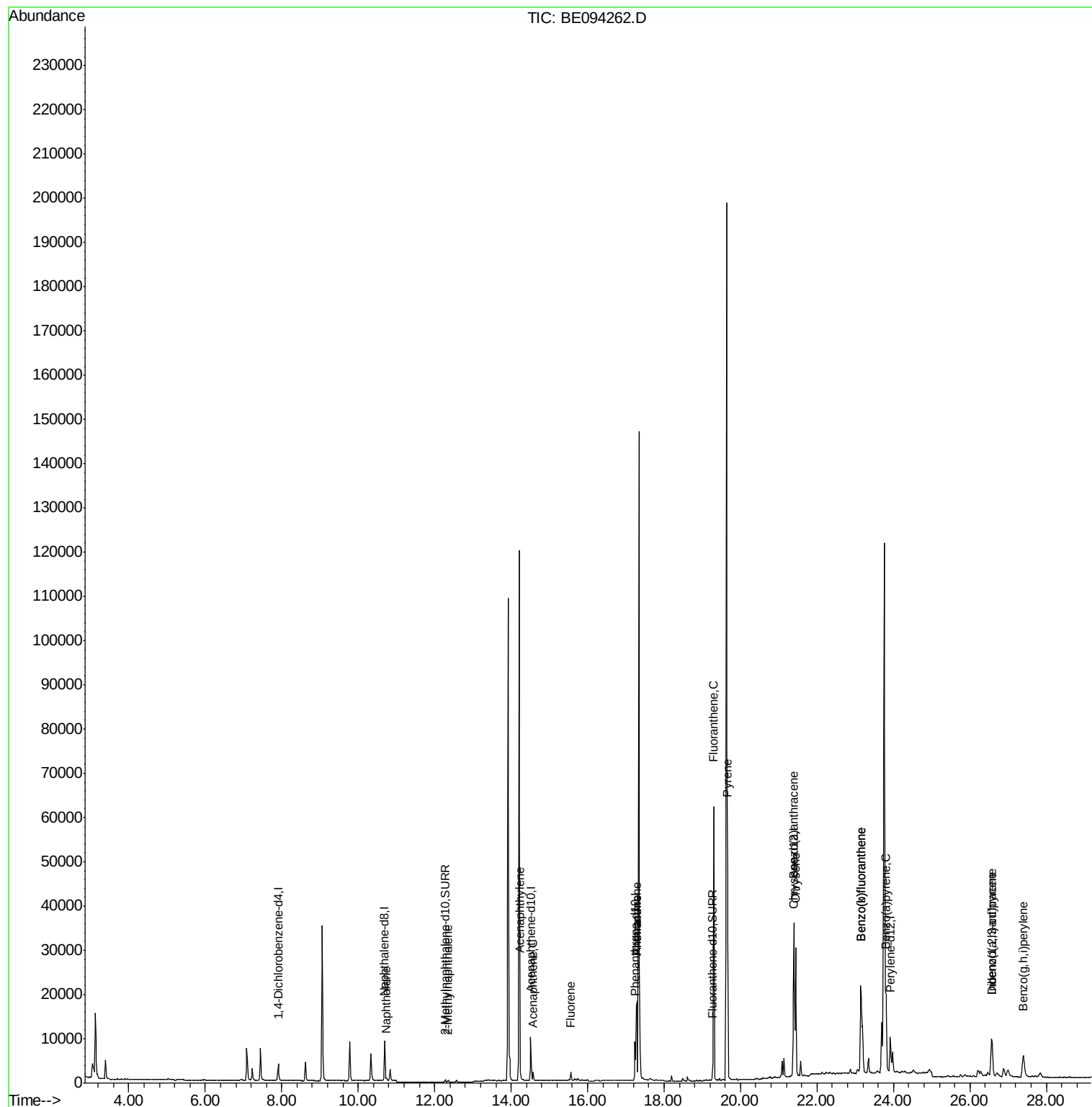
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1982	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	9975	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	5591	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	11941	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	12450	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	12509	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	996	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	2378	0.06	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	987	0.040	ng/ul#	85
5) 2-Methylnaphthalene	12.35	142	513	0.032	ng/ul	99
7) Acenaphthylene	14.24	152	624	0.029	ng/ul#	76
8) Acenaphthene	14.57	153	1106	0.062	ng/ul	97
9) Fluorene	15.56	166	1191	0.057	ng/ul	93
12) Phenanthrene	17.29	178	28352	0.909	ng/ul#	93
13) Anthracene	17.29	178	28347	0.934	ng/ul	93
15) Fluoranthene	19.30	202	66954	1.633	ng/ul	84
17) Pyrene	19.66	202	57609	1.663	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	31038	0.940	ng/ul#	87
19) Chrysene	21.44	228	30380	0.796	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	50836	1.496	ng/ul	90
22) Benzo(k)fluoranthene	23.15	252	50836	1.294	ng/ul	92
23) Benzo(a)pyrene	23.80	252	26061	0.738	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.57	276	16306	0.451	ng/ul#	80
25) Dibenzo(a,h)anthracene	26.58	278	4167	0.138	ng/ul#	75
26) Benzo(a,h,i)perylene	27.39	276	12843	0.412	ng/ul	94

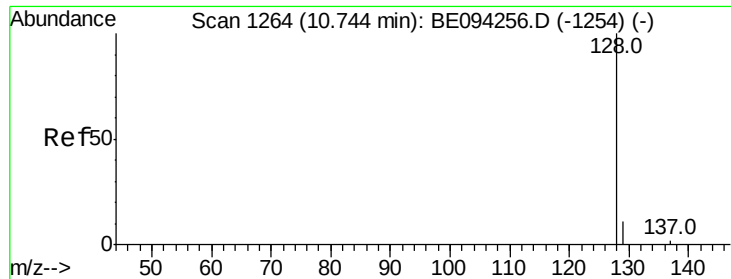
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.040 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094262.D

Acq: 10 Oct 2017 21:53

Instrument :

BNA_E

ClientSampleId :

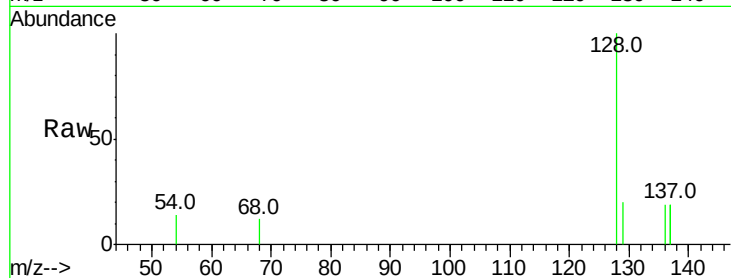
Tot Ion:128 Resp: 987

Ion Ratio Lower Upper

128 100

129 20.5 11.3 16.9#

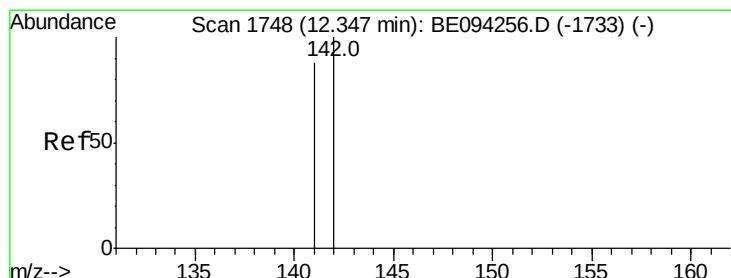
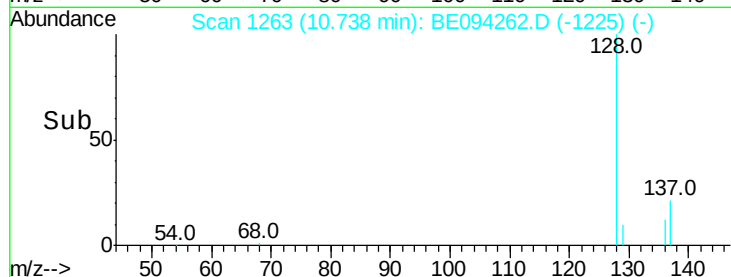
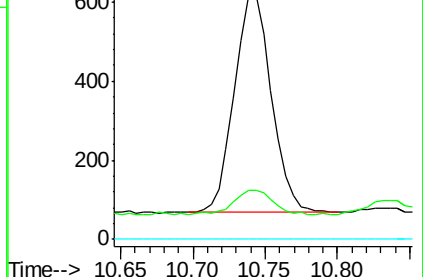
127 0.0 4.0 6.0#



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: 12.35 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BE094262.D

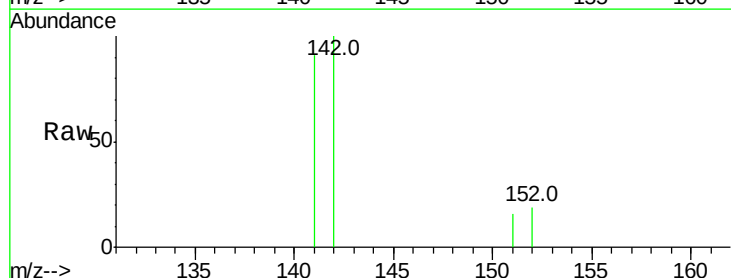
Acq: 10 Oct 2017 21:53

Tgt Ion:142 Resp: 513

Ion Ratio Lower Upper

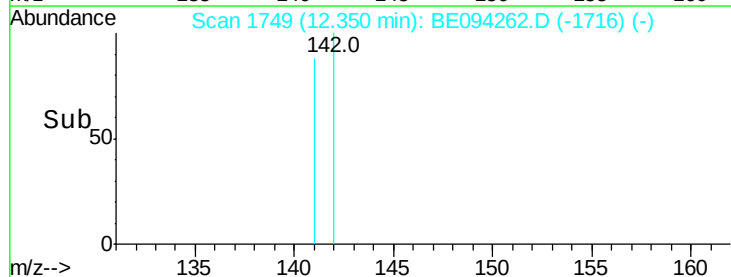
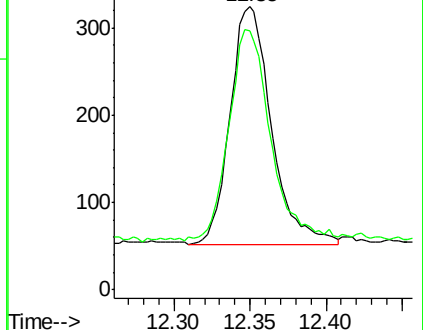
142 100

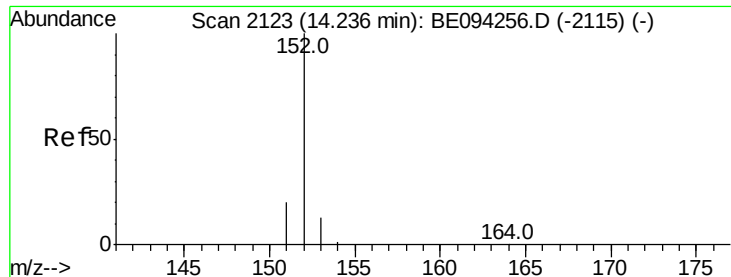
141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.029 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094262.D

Acq: 10 Oct 2017 21:53

Instrument :

BNA_E

ClientSampled :

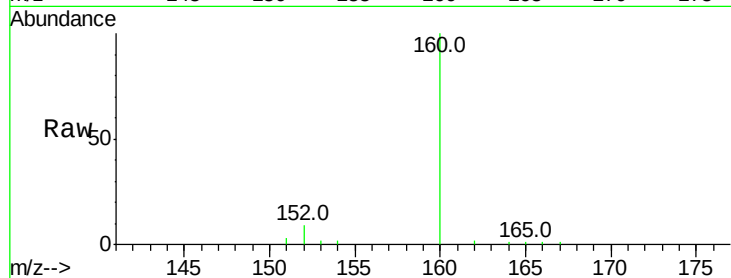
Tot Ion:152 Resp: 624

Ion Ratio Lower Upper

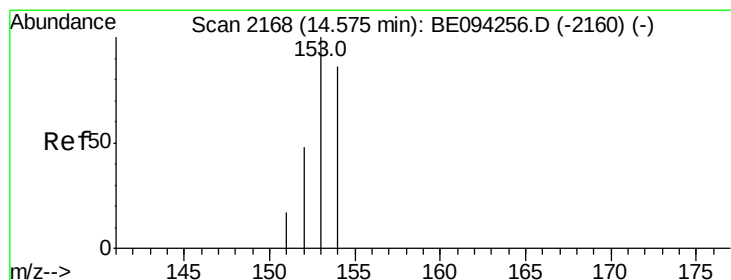
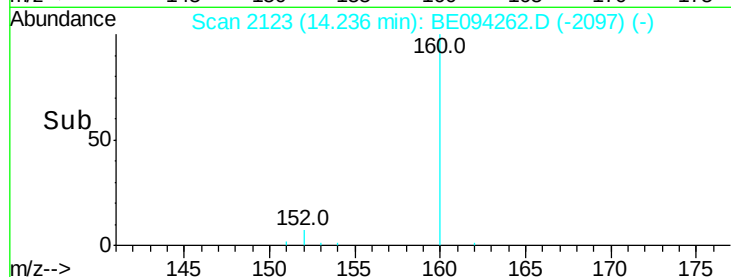
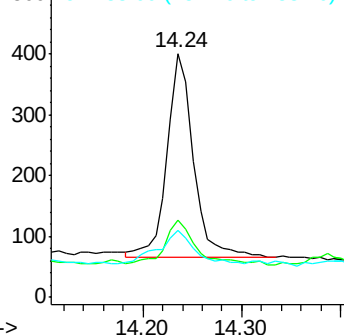
152 100

151 31.7 17.1 25.7#

153 27.7 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: 0.062 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE094262.D

Acq: 10 Oct 2017 21:53

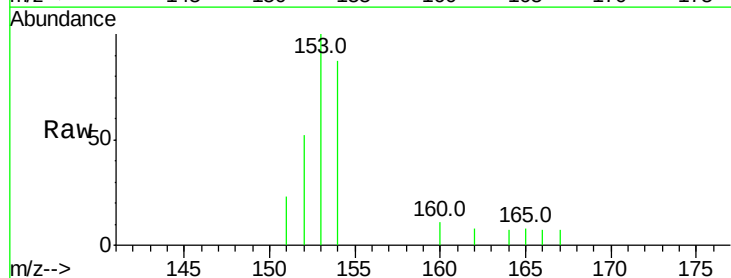
Tgt Ion:153 Resp: 1106

Ion Ratio Lower Upper

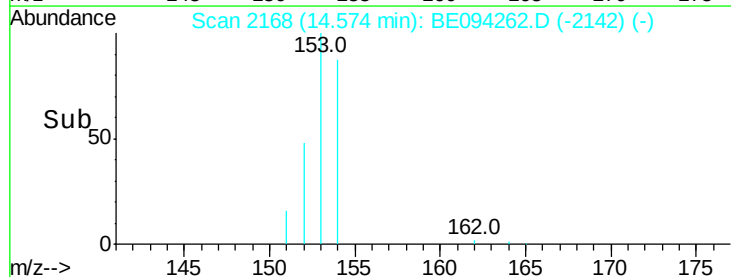
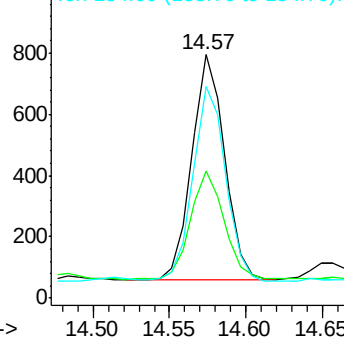
153 100

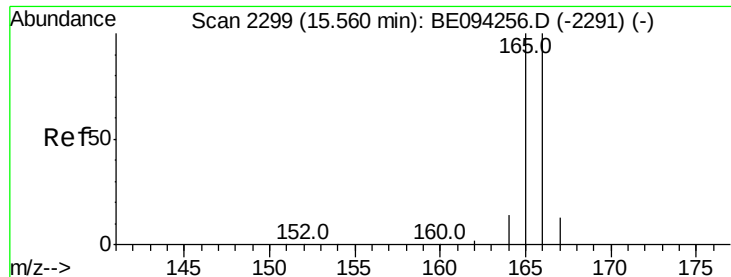
152 52.5 40.3 60.5

154 87.0 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

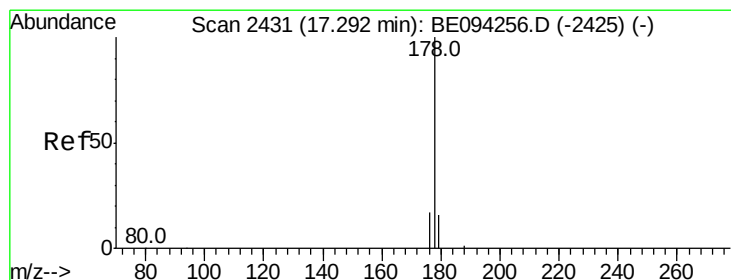
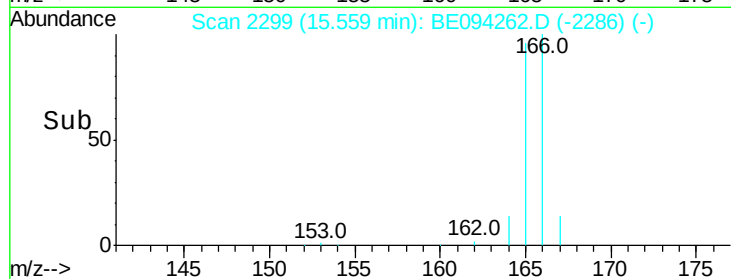
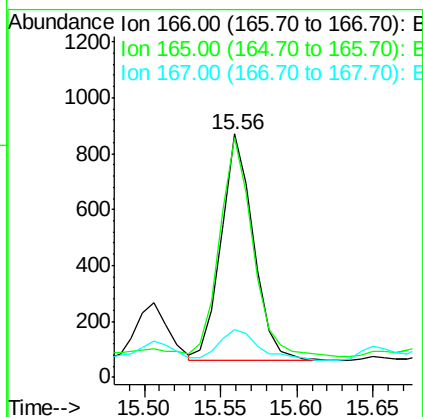
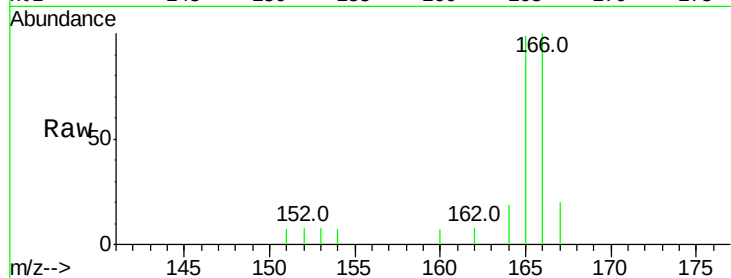




#9
Fluorene
 Concen: 0.057 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: BE094262.D
 Acq: 10 Oct 2017 21:53

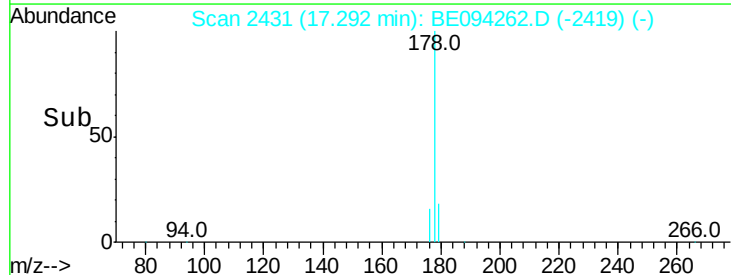
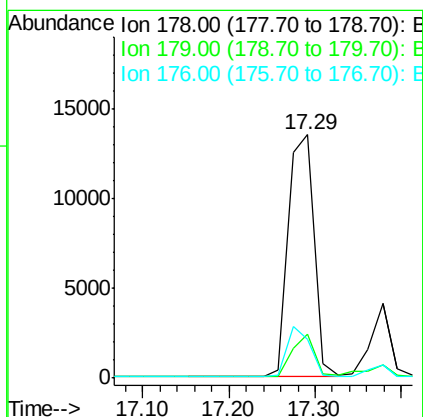
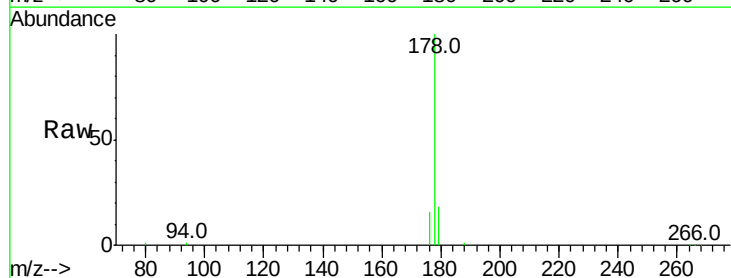
Instrument :
 BNA_E
 ClientSampleId :

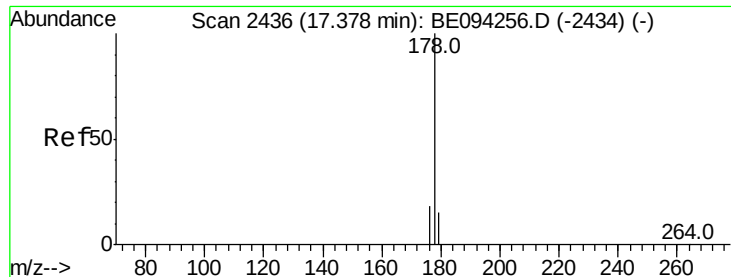
Tot Ion:166 Resp: 1191
 Ion Ratio Lower Upper
 166 100
 165 98.6 73.4 110.2
 167 19.9 14.6 22.0



#12
Phenanthrene
 Concen: 0.909 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.00 min
 Lab File: BE094262.D
 Acq: 10 Oct 2017 21:53

Tgt Ion:178 Resp: 28352
 Ion Ratio Lower Upper
 178 100
 179 18.2 18.4 27.6#
 176 16.0 13.6 20.4





#13

Anthracene

Concen: 0.934 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.09 min

Lab File: BE094262.D

Acq: 10 Oct 2017 21:53

Instrument :

BNA_E

ClientSampleId :

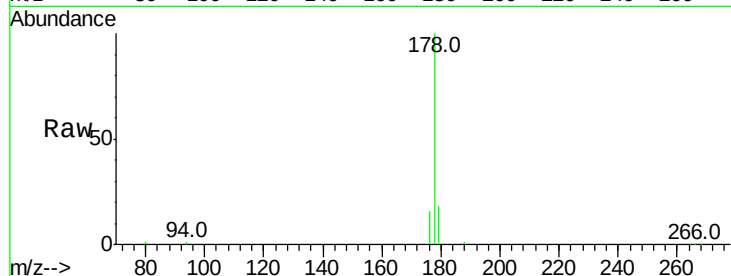
Tot Ion:178 Resp: 28347

Ion Ratio Lower Upper

178 100

179 18.2 18.1 27.1

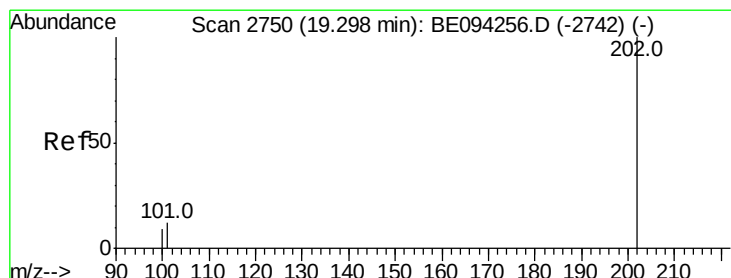
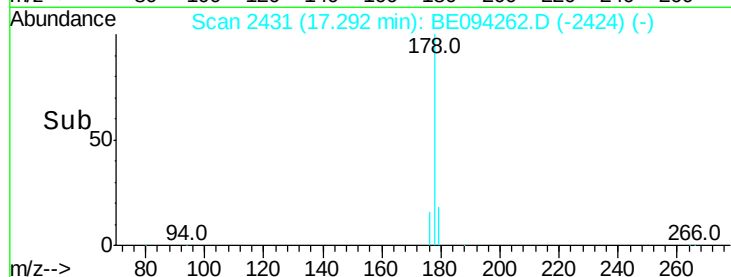
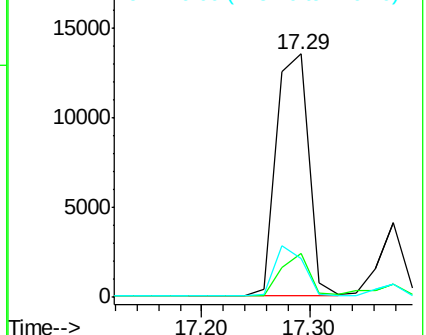
176 16.0 14.7 22.1



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: 1.633 ng/ul

RT: 19.30 min Scan# 2750

Delta R.T. 0.00 min

Lab File: BE094262.D

Acq: 10 Oct 2017 21:53

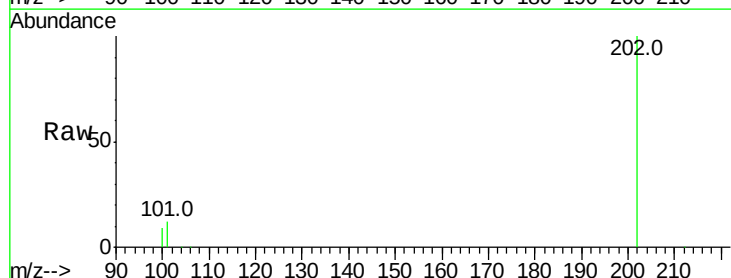
Tgt Ion:202 Resp: 66954

Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.3

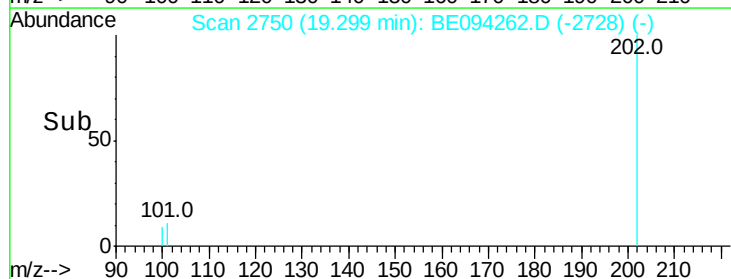
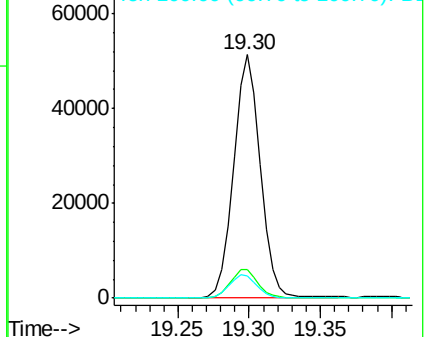
100 9.3 0.0 39.5

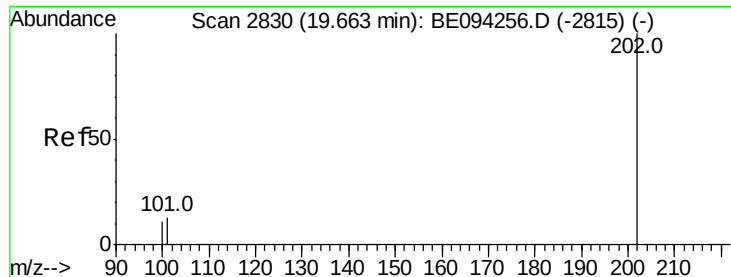


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

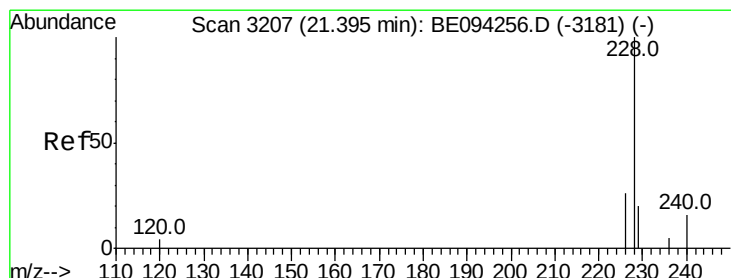
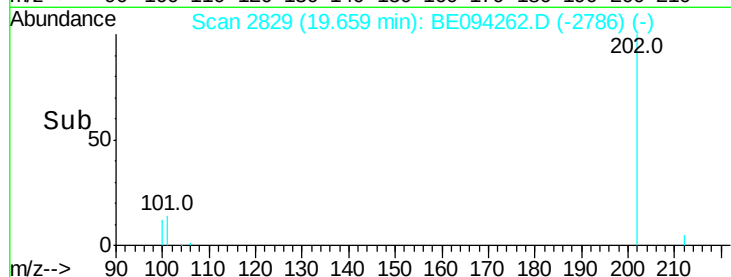
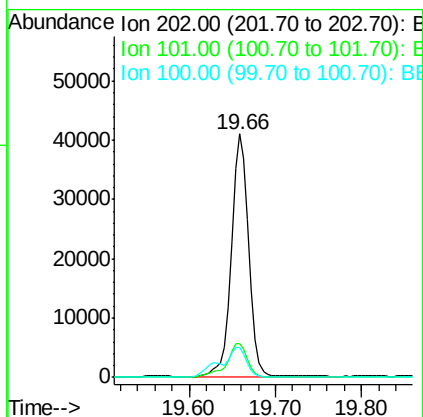
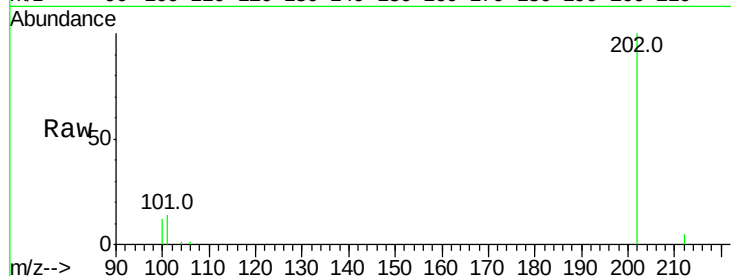




#17
Pvrene
Concen: 1.663 ng/ul
RT: 19.66 min Scan# 2829
Delta R.T. -0.00 min
Lab File: BE094262.D
Acq: 10 Oct 2017 21:53

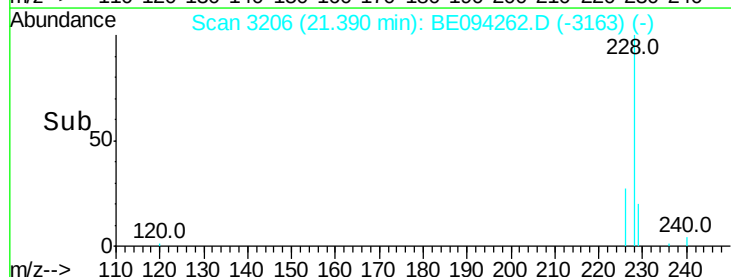
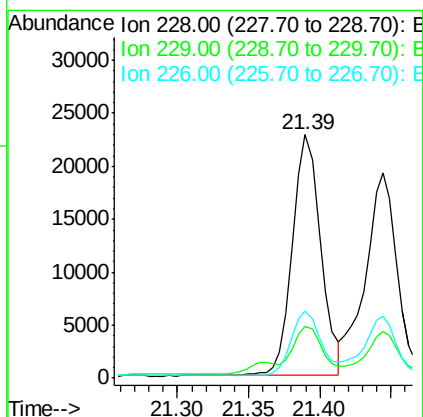
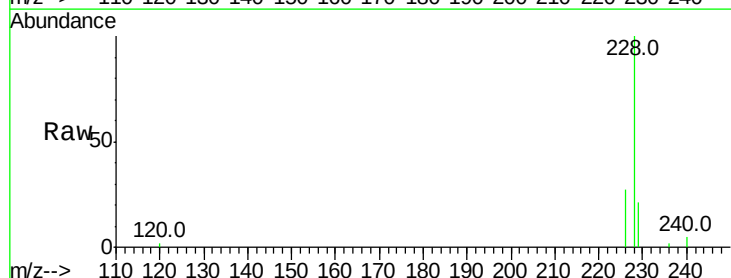
Instrument :
BNA_E
ClientSampleId :

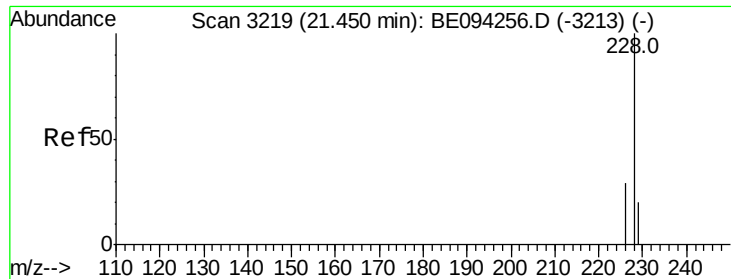
Tot Ion:202 Resp: 57609
Ion Ratio Lower Upper
202 100
101 14.1 18.2 27.4#
100 12.1 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 0.940 ng/ul
RT: 21.39 min Scan# 3206
Delta R.T. -0.00 min
Lab File: BE094262.D
Acq: 10 Oct 2017 21:53

Tgt Ion:228 Resp: 31038
Ion Ratio Lower Upper
228 100
229 21.3 22.8 34.2#
226 27.5 17.0 25.6#





#19

Chrysene

Concen: 0.796 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BE094262.D

Acq: 10 Oct 2017 21:53

Instrument :

BNA_E

ClientSampleId :

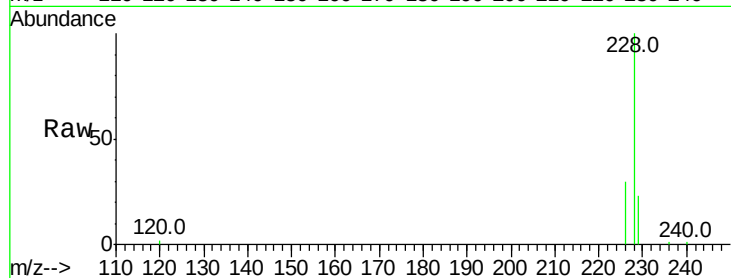
Tot Ion:228 Resp: 30380

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.0

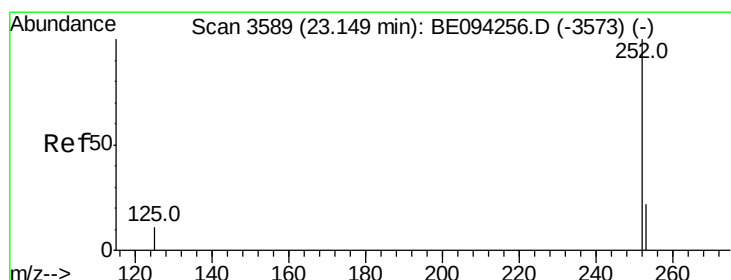
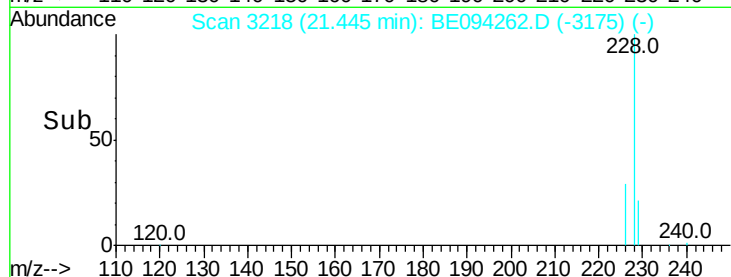
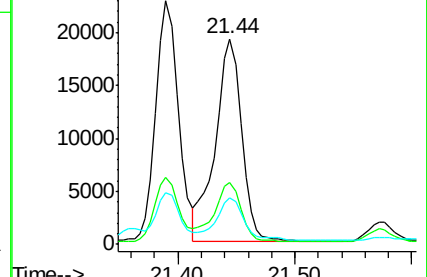
229 22.9 17.7 26.5



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: 1.496 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BE094262.D

Acq: 10 Oct 2017 21:53

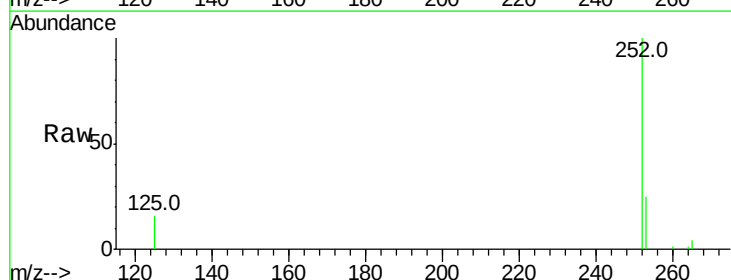
Tgt Ion:252 Resp: 50836

Ion Ratio Lower Upper

252 100

253 24.7 0.0 64.2

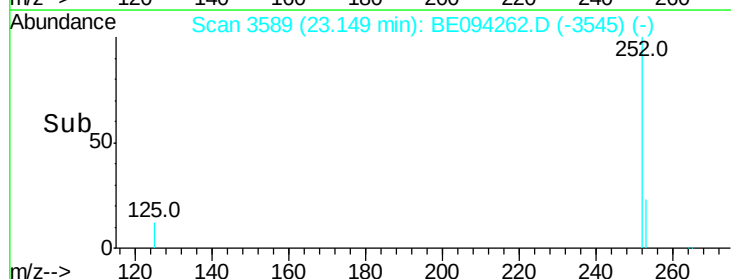
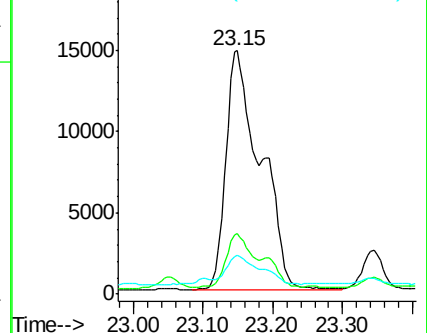
125 15.8 0.0 35.0

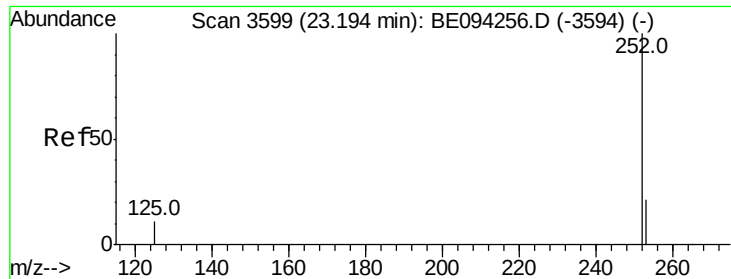


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.294 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.05 min

Lab File: BE094262.D

Acq: 10 Oct 2017 21:53

Instrument :

BNA_E

ClientSampleId :

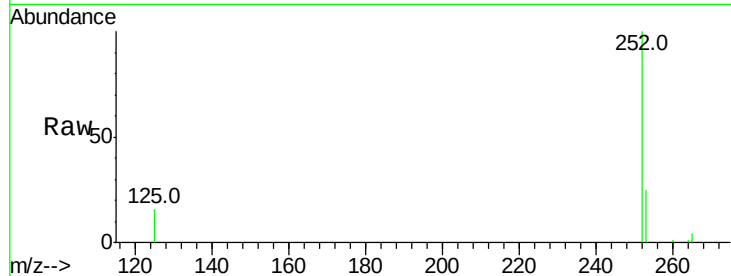
Tot Ion:252 Resp: 50836

Ion Ratio Lower Upper

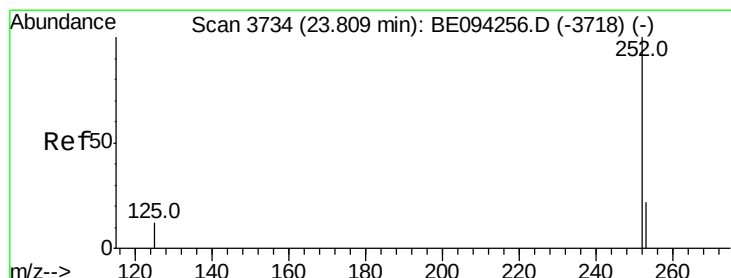
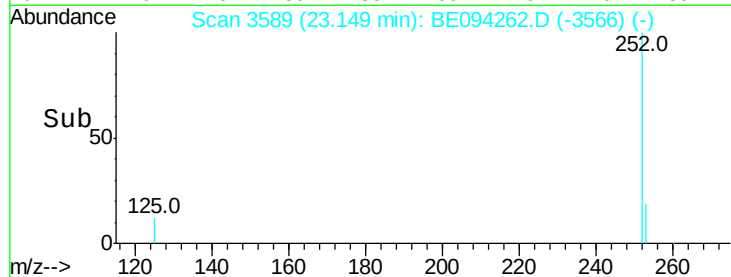
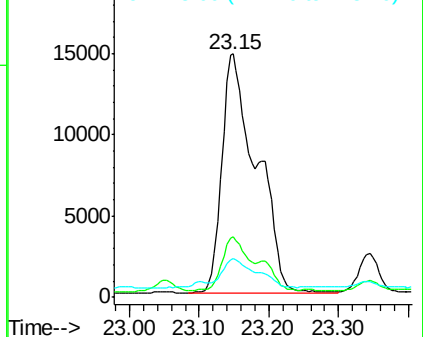
252 100

253 24.7 24.5 36.7

125 15.8 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: 0.738 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BE094262.D

Acq: 10 Oct 2017 21:53

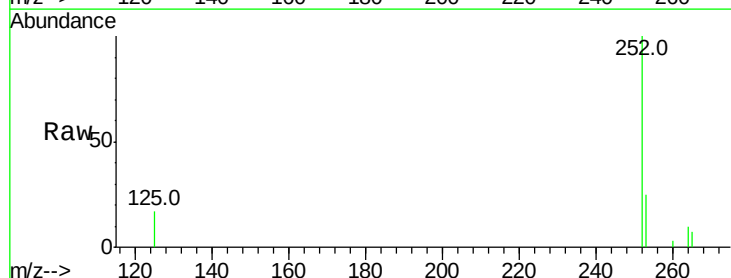
Tgt Ion:252 Resp: 26061

Ion Ratio Lower Upper

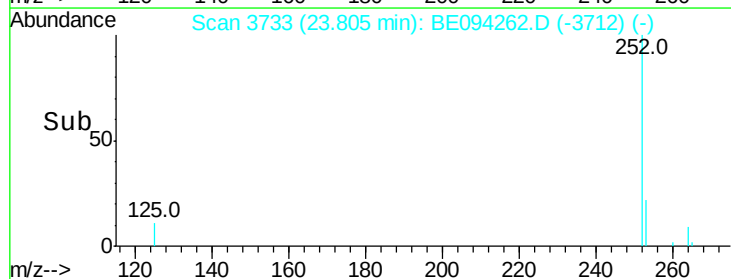
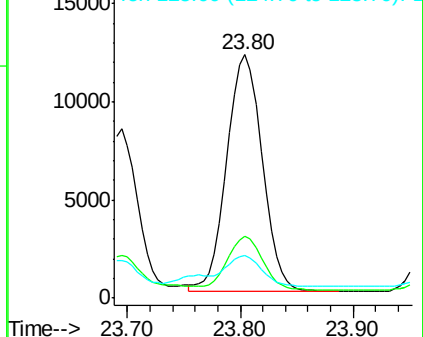
252 100

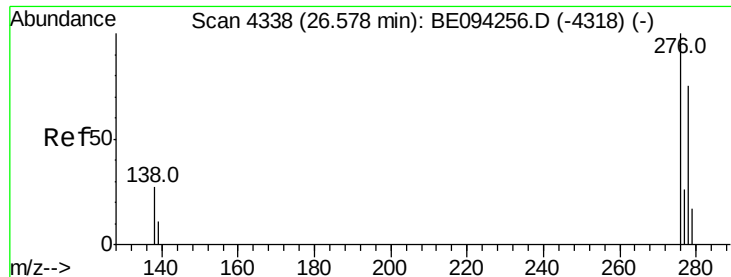
253 25.4 28.5 42.7#

125 17.4 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



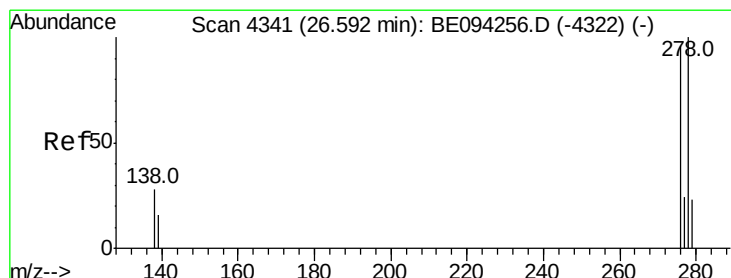
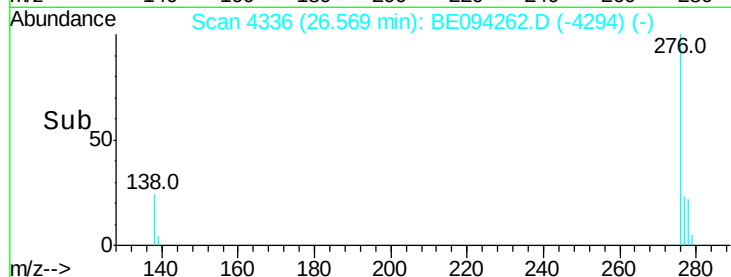
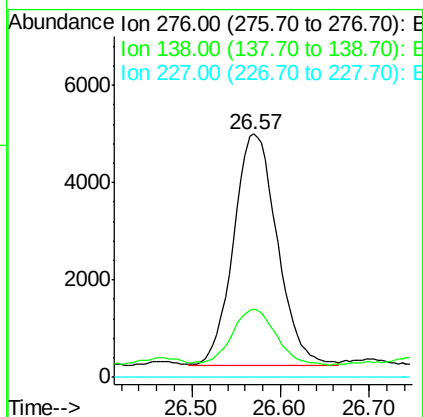
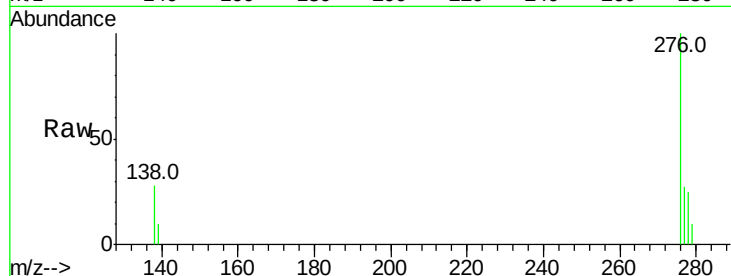


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.451 ng/ul
RT: 26.57 min Scan# 4336
Delta R.T. -0.01 min
Lab File: BE094262.D
Acq: 10 Oct 2017 21:53

Instrument :
BNA_E
ClientSampleId :

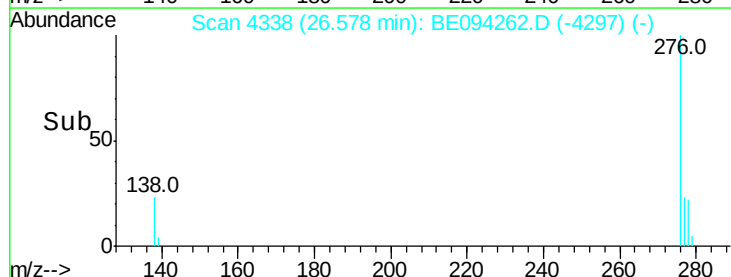
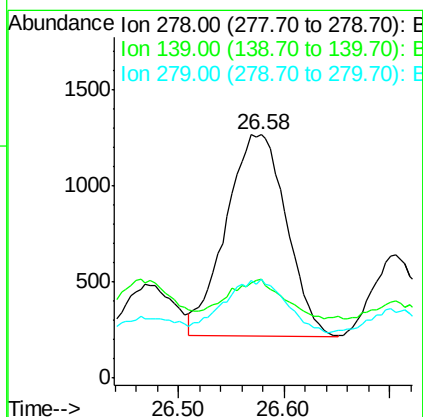
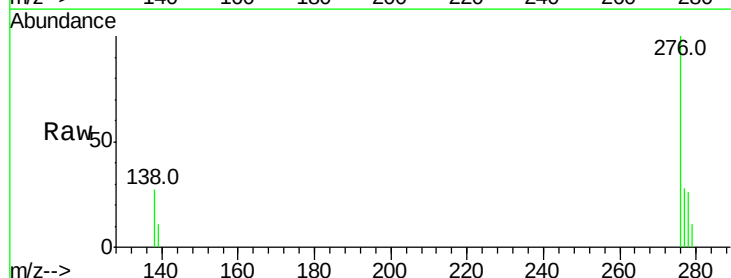
Tot Ion:276 Resp: 16306
Ion Ratio Lower Upper
276 100
138 24.4 28.0 42.0#
227 0.0 8.0 12.0#

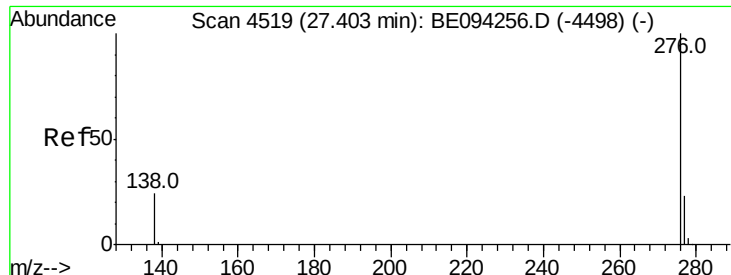


#25

Dibenzo(a,h)anthracene
Concen: 0.138 ng/ul
RT: 26.58 min Scan# 4338
Delta R.T. -0.01 min
Lab File: BE094262.D
Acq: 10 Oct 2017 21:53

Tgt Ion:278 Resp: 4167
Ion Ratio Lower Upper
278 100
139 40.5 17.4 26.0#
279 40.7 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.412 ng/ul

RT: 27.39 min Scan# 4517

Delta R.T. -0.01 min

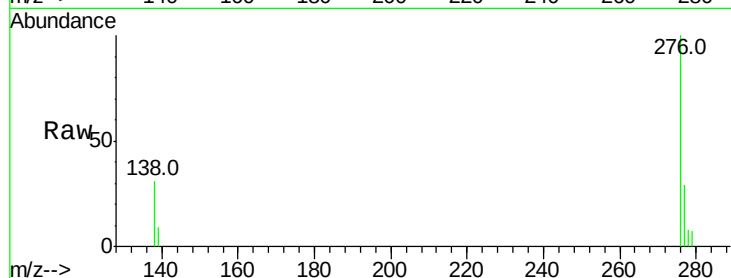
Lab File: BE094262.D

Acq: 10 Oct 2017 21:53

Instrument :

BNA_E

ClientSampleId :



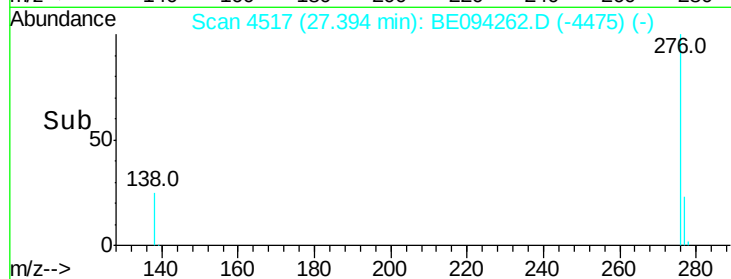
Tot Ion:276 Resp: 12843

Ion Ratio Lower Upper

276 100

138 30.6 21.8 32.8

277 28.7 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

