

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094270.D
 Acq On : 11 Oct 2017 2:52
 Operator : SJ/JU
 Sample : I5533-02DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 07:35:17 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

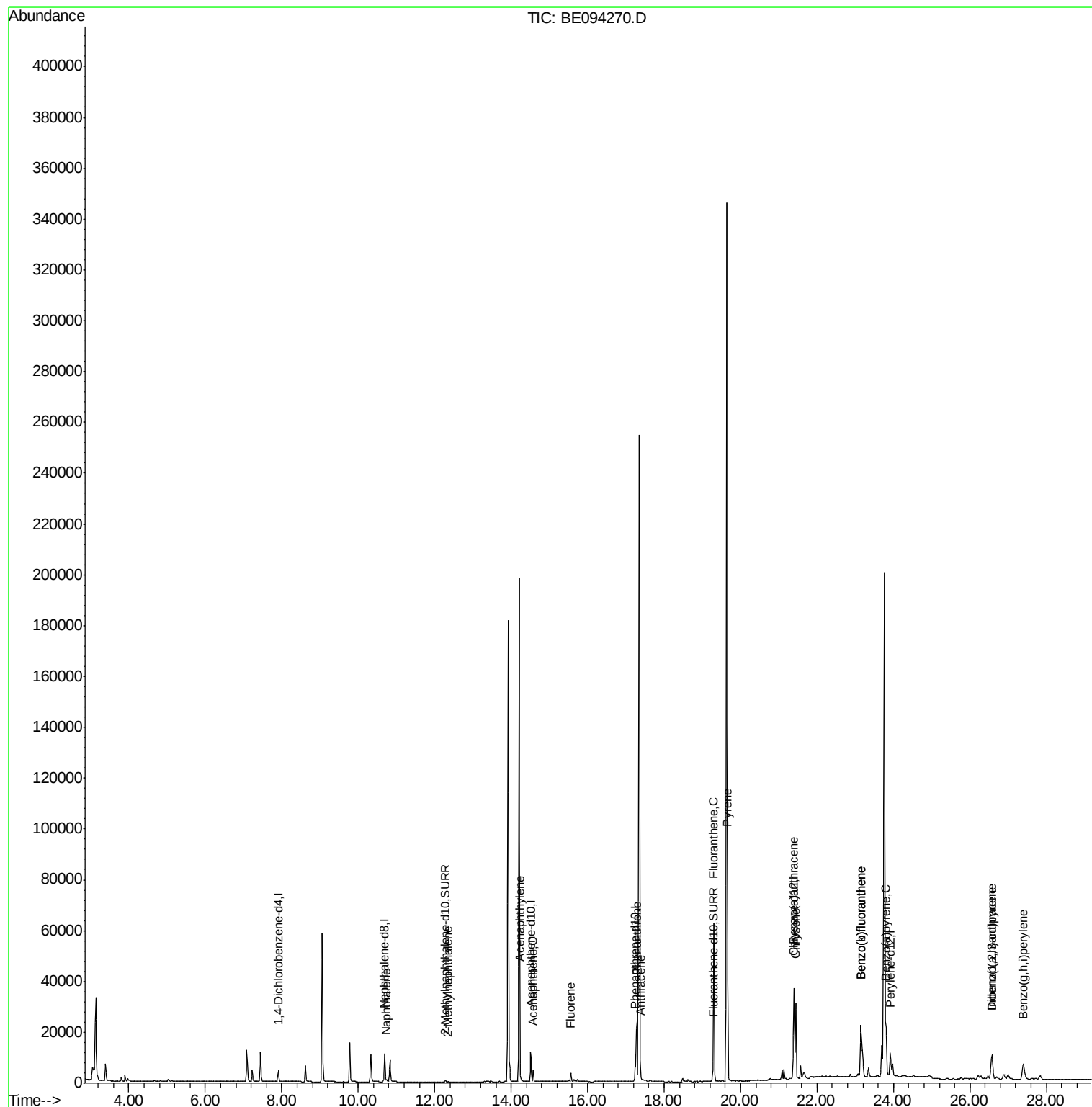
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2413	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	12178	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	6713	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	14412	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	14483	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	15028	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	1649	0.09	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	4131	0.09	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	1404	0.047	ng/ul#	89
5) 2-Methylnaphthalene	12.35	142	448	0.023	ng/ul	99
7) Acenaphthylene	14.24	152	921	0.035	ng/ul#	84
8) Acenaphthene	14.57	153	2665	0.124	ng/ul	99
9) Fluorene	15.56	166	2229	0.088	ng/ul	90
12) Phenanthrene	17.29	178	36335	0.965	ng/ul#	93
13) Anthracene	17.38	178	8178	0.223	ng/ul#	94
15) Fluoranthene	19.30	202	67343	1.361	ng/ul	84
17) Pyrene	19.66	202	60076	1.491	ng/ul#	85
18) Benzo(a)anthracene	21.39	228	31710	0.825	ng/ul#	86
19) Chrysene	21.44	228	30919	0.697	ng/ul	97
21) Benzo(b)fluoranthene	23.15	252	51876	1.271	ng/ul	90
22) Benzo(k)fluoranthene	23.15	252	51876	1.099	ng/ul	92
23) Benzo(a)pyrene	23.80	252	27988	0.660	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.57	276	17789	0.410	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.58	278	4363	0.120	ng/ul#	78
26) Benzo(a,h,i)perylene	27.39	276	16525	0.441	ng/ul	96

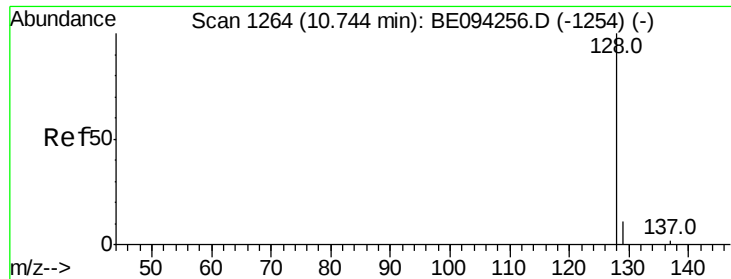
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.047 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE094270.D

Acq: 11 Oct 2017 2:52

Instrument :

BNA_E

ClientSampleId :

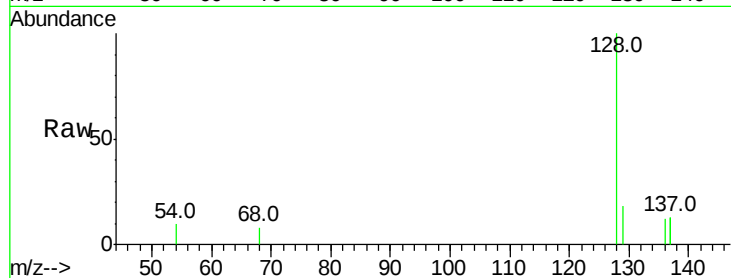
Tot Ion:128 Resp: 1404

Ion Ratio Lower Upper

128 100

129 18.0 11.3 16.9#

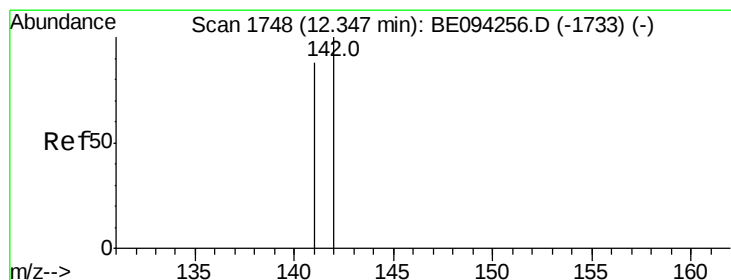
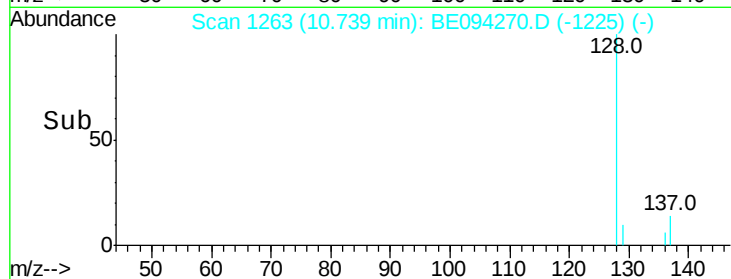
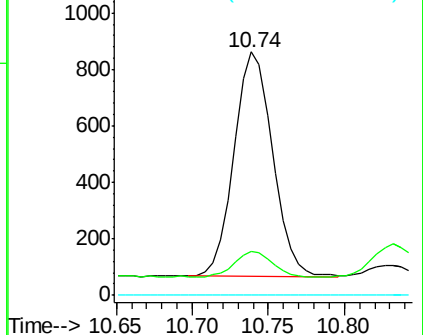
127 0.0 4.0 6.0#



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: 0.023 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BE094270.D

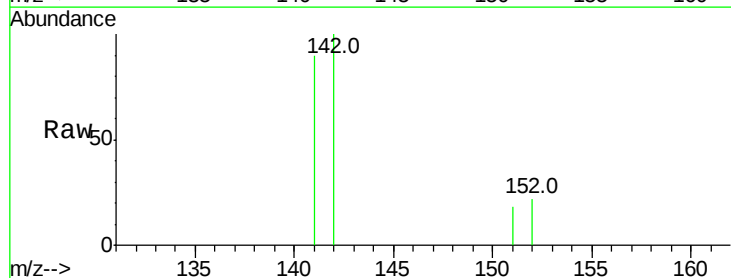
Acq: 11 Oct 2017 2:52

Tgt Ion:142 Resp: 448

Ion Ratio Lower Upper

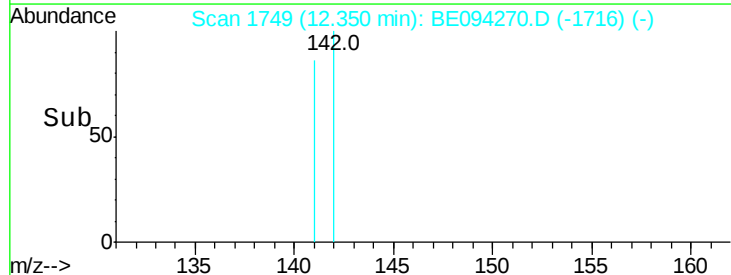
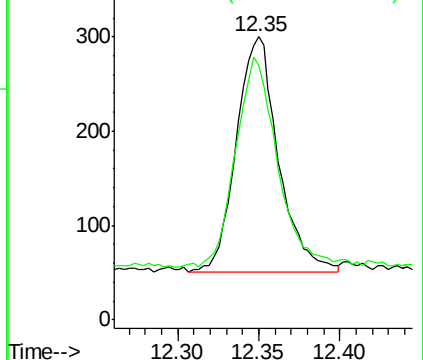
142 100

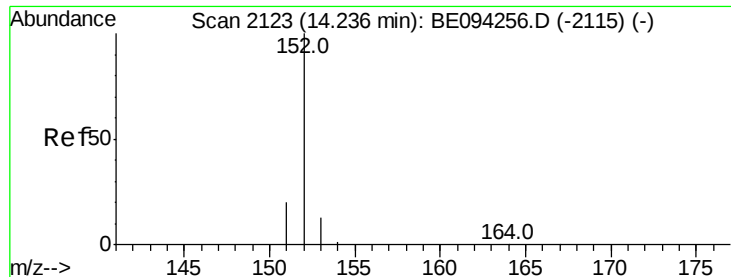
141 90.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.035 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094270.D

Acq: 11 Oct 2017 2:52

Instrument :

BNA_E

ClientSampleId :

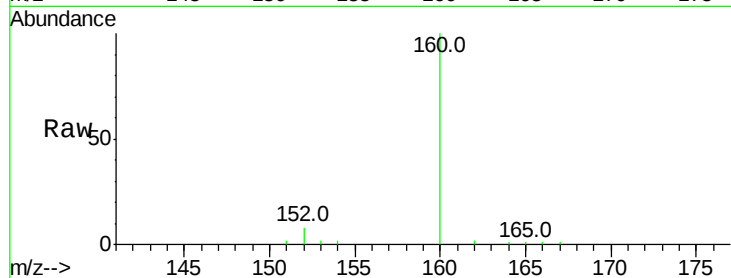
Tot Ion:152 Resp: 921

Ion Ratio Lower Upper

152 100

151 28.0 17.1 25.7#

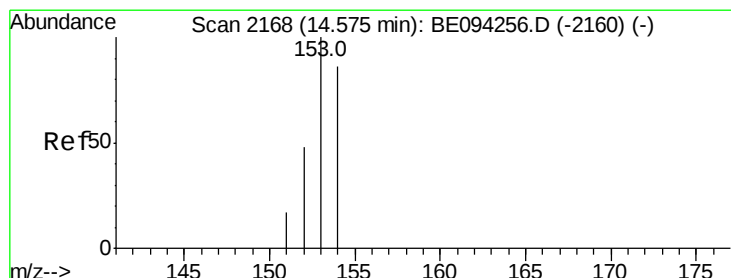
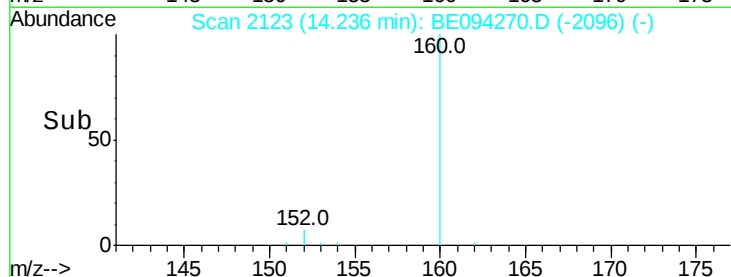
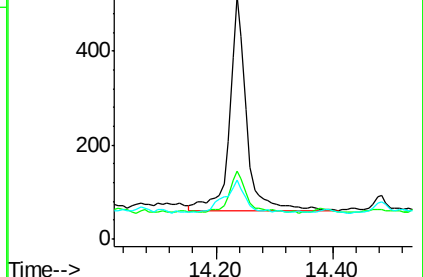
153 24.1 12.8 19.2#



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: 0.124 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE094270.D

Acq: 11 Oct 2017 2:52

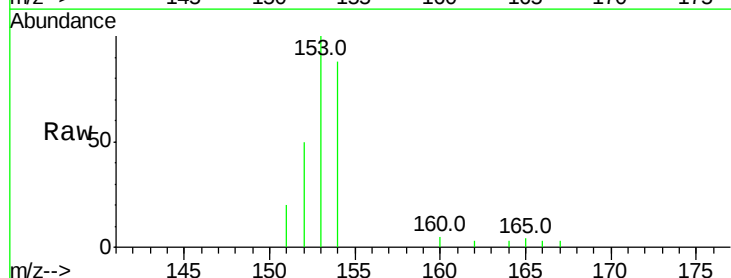
Tgt Ion:153 Resp: 2665

Ion Ratio Lower Upper

153 100

152 50.3 40.3 60.5

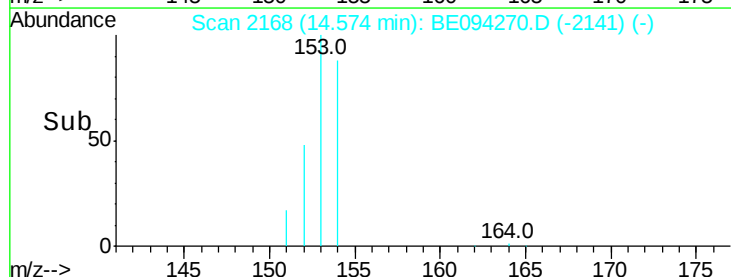
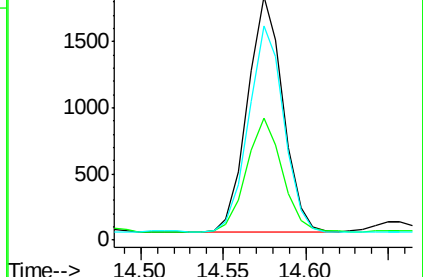
154 88.0 71.4 107.2

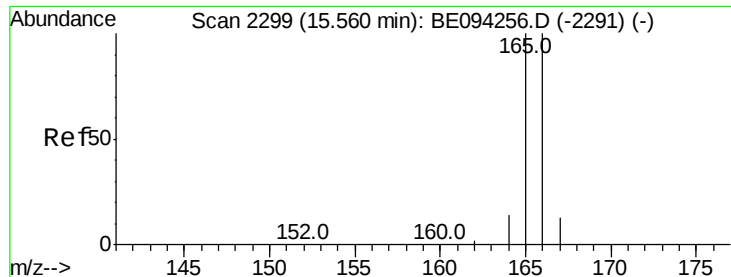


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.088 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BE094270.D

Acq: 11 Oct 2017 2:52

Instrument :

BNA_E

ClientSampleId :

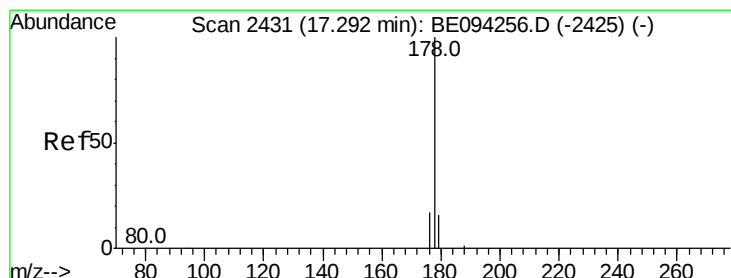
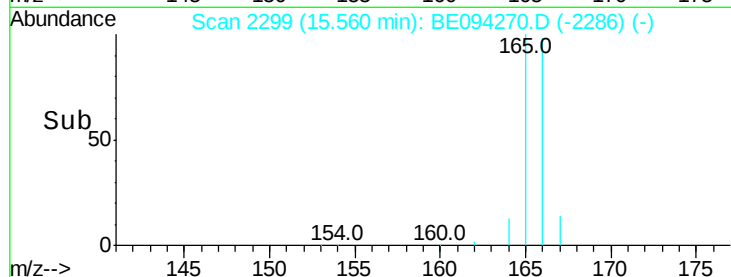
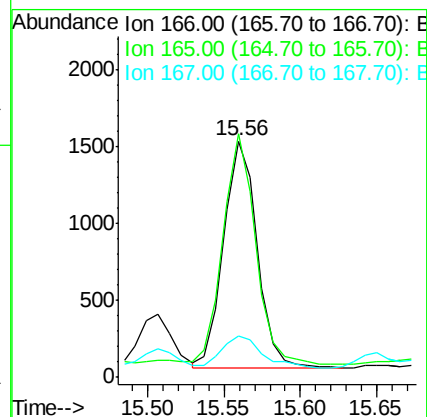
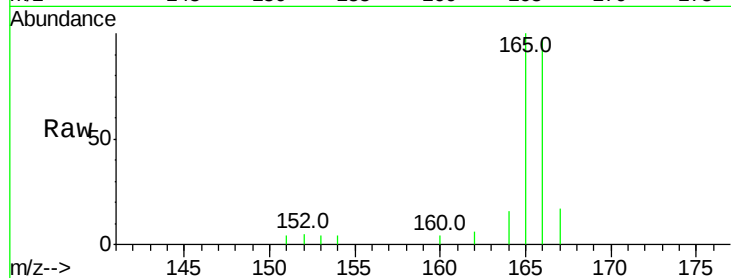
Tot Ion:166 Resp: 2229

Ion Ratio Lower Upper

166 100

165 103.1 73.4 110.2

167 17.7 14.6 22.0



#12

Phenanthrene

Concen: 0.965 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094270.D

Acq: 11 Oct 2017 2:52

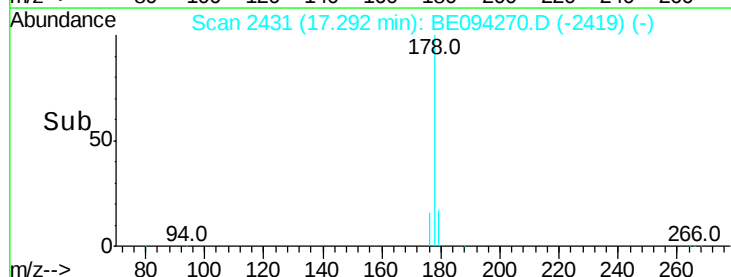
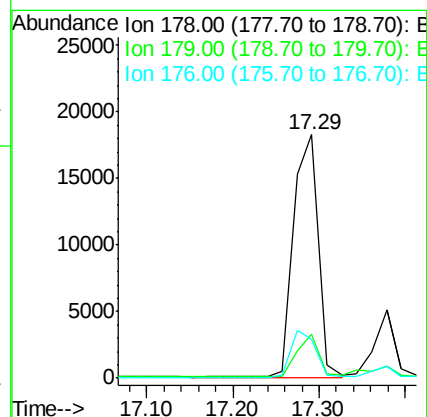
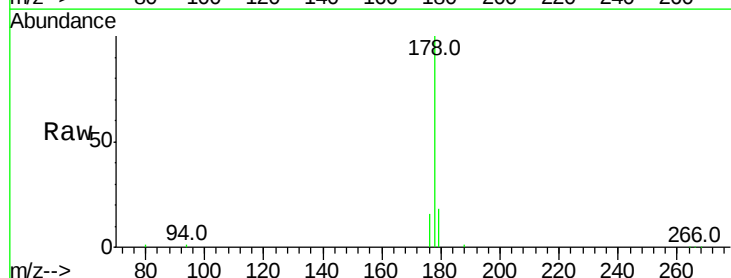
Tgt Ion:178 Resp: 36335

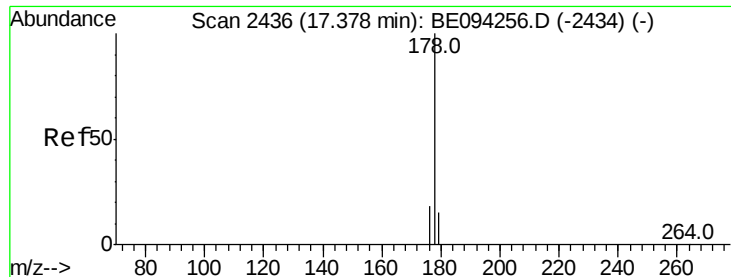
Ion Ratio Lower Upper

178 100

179 17.9 18.4 27.6#

176 15.9 13.6 20.4





#13

Anthracene

Concen: 0.223 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE094270.D

Acq: 11 Oct 2017 2:52

Instrument :

BNA_E

ClientSampled :

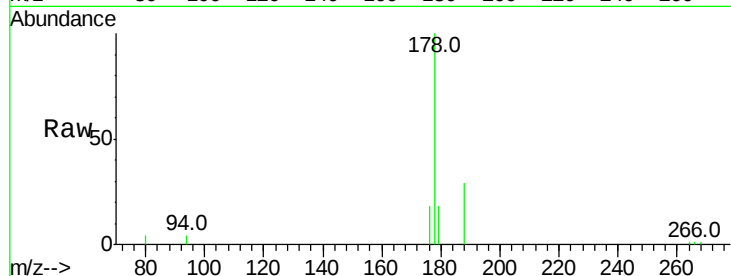
Tot Ion:178 Resp: 8178

Ion Ratio Lower Upper

178 100

179 17.9 18.1 27.1#

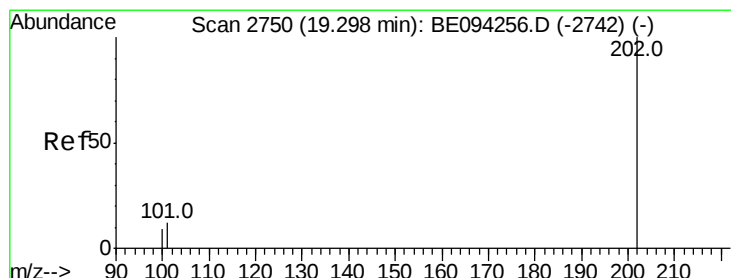
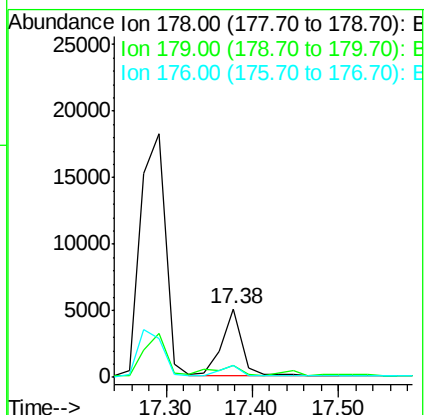
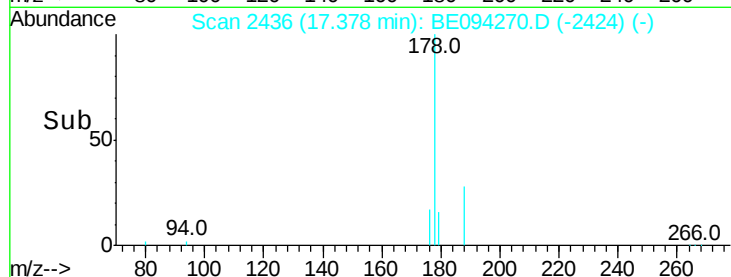
176 17.6 14.7 22.1



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: 1.361 ng/ul

RT: 19.30 min Scan# 2750

Delta R.T. 0.00 min

Lab File: BE094270.D

Acq: 11 Oct 2017 2:52

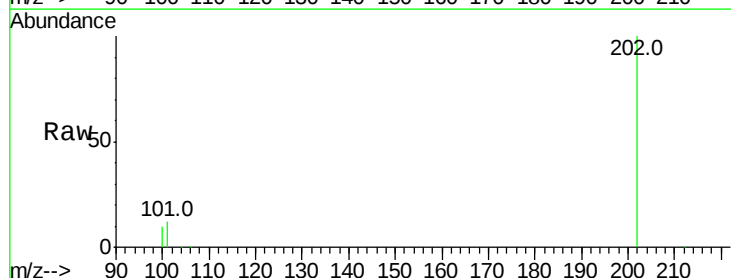
Tgt Ion:202 Resp: 67343

Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.3

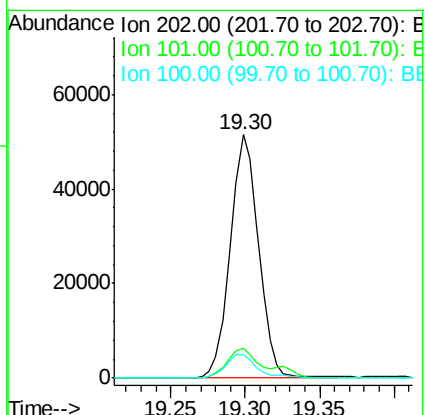
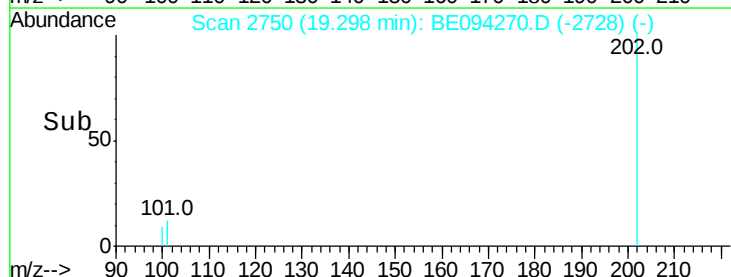
100 9.5 0.0 39.5

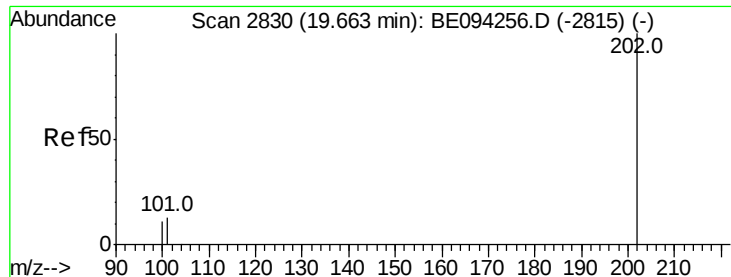


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 1.491 ng/ul

RT: 19.66 min Scan# 2829

Delta R.T. -0.00 min

Lab File: BE094270.D

Acq: 11 Oct 2017 2:52

Instrument :

BNA_E

ClientSampleId :

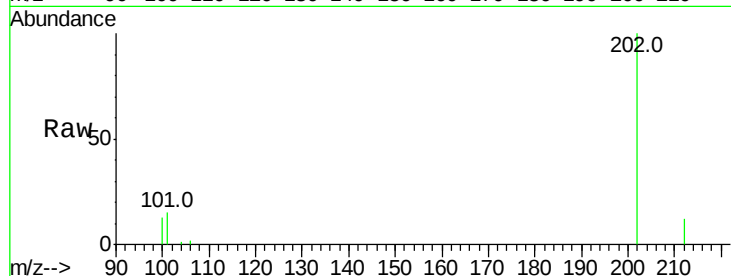
Tot Ion:202 Resp: 60076

Ion Ratio Lower Upper

202 100

101 14.8 18.2 27.4#

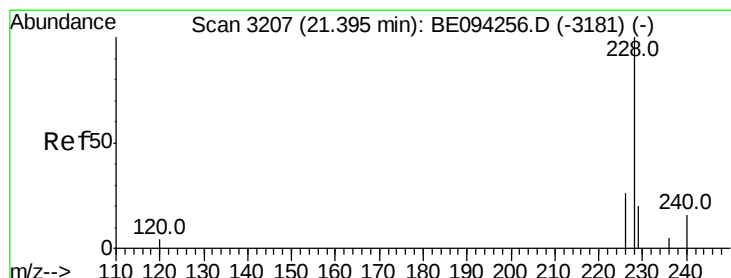
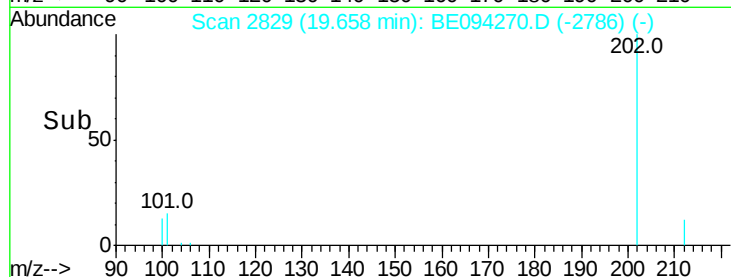
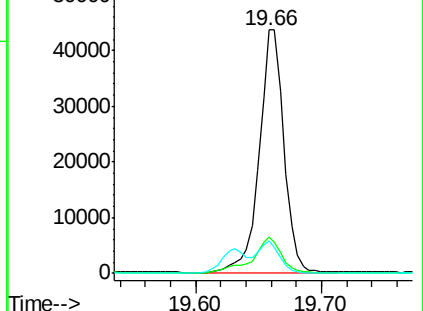
100 13.2 15.6 23.4#



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: 0.825 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.00 min

Lab File: BE094270.D

Acq: 11 Oct 2017 2:52

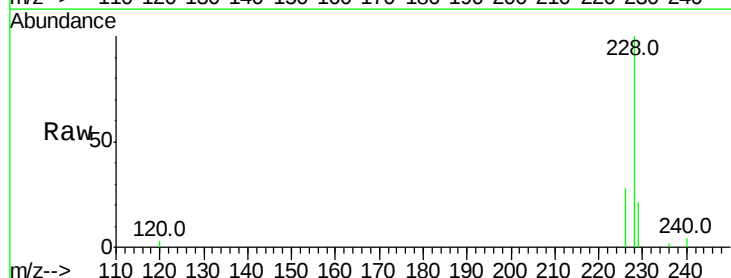
Tgt Ion:228 Resp: 31710

Ion Ratio Lower Upper

228 100

229 21.3 22.8 34.2#

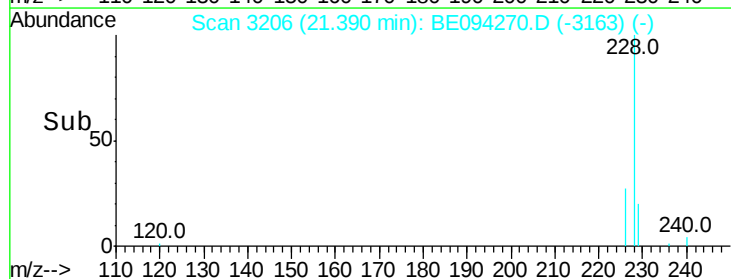
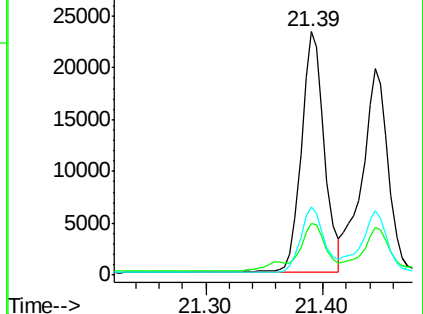
226 28.2 17.0 25.6#

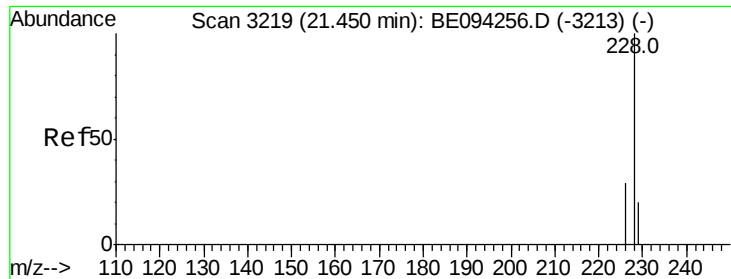


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.697 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BE094270.D

Acq: 11 Oct 2017 2:52

Instrument :

BNA_E

ClientSampleId :

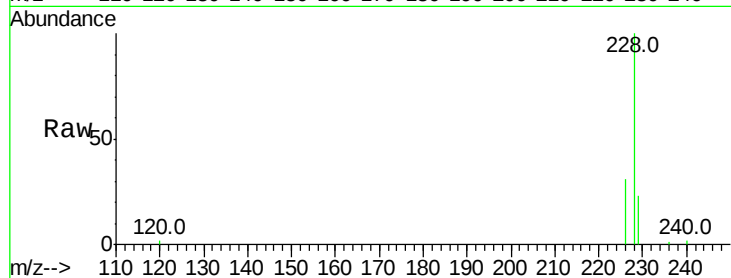
Tot Ion:228 Resp: 30919

Ion Ratio Lower Upper

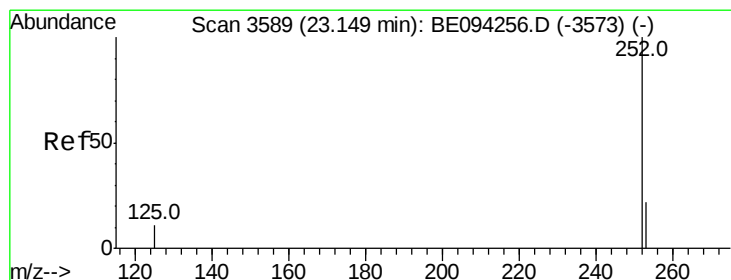
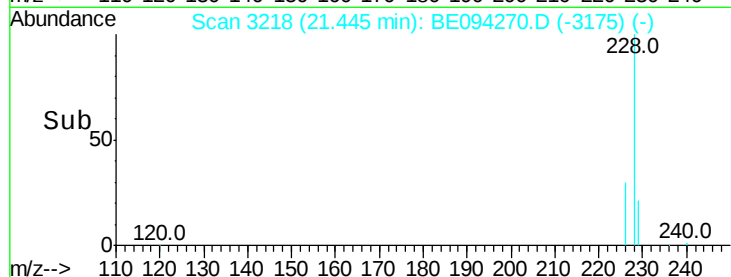
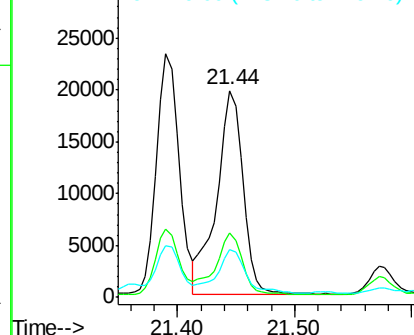
228 100

226 31.3 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: 1.271 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BE094270.D

Acq: 11 Oct 2017 2:52

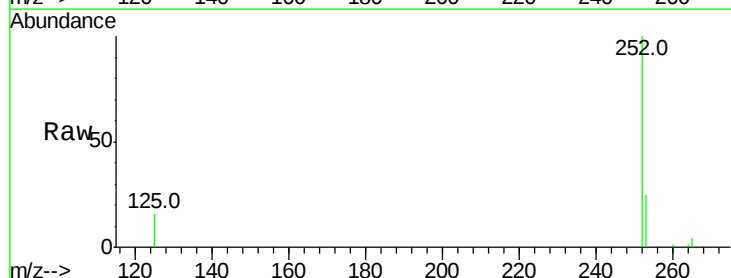
Tgt Ion:252 Resp: 51876

Ion Ratio Lower Upper

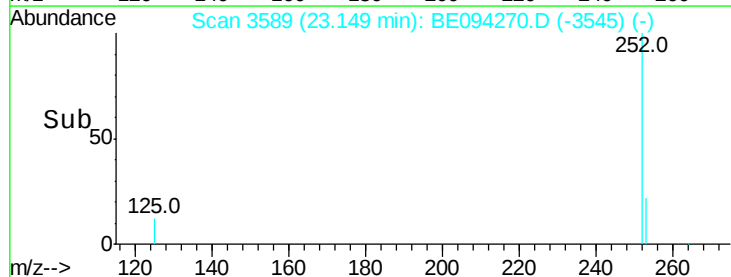
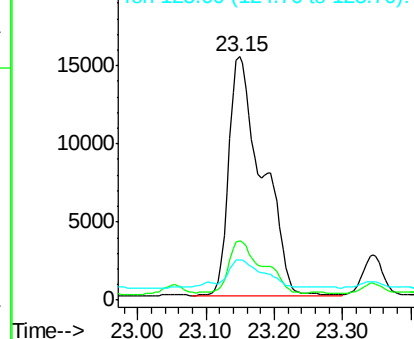
252 100

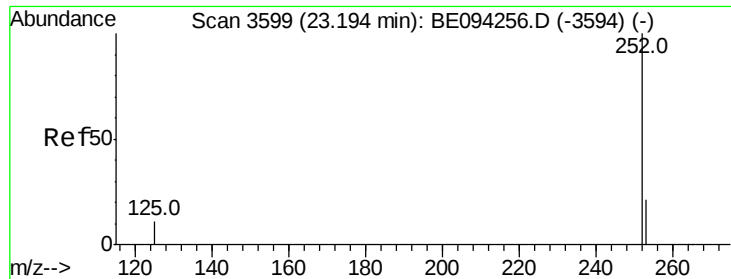
253 24.5 0.0 64.2

125 16.5 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: 1.099 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.05 min

Lab File: BE094270.D

Acq: 11 Oct 2017 2:52

Instrument :

BNA_E

ClientSampled :

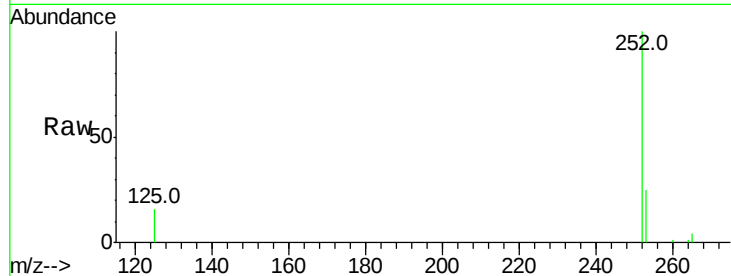
Tot Ion:252 Resp: 51876

Ion Ratio Lower Upper

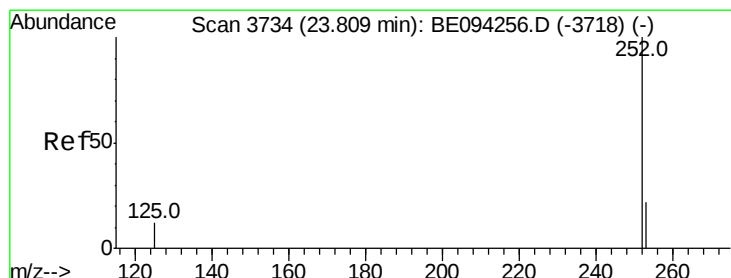
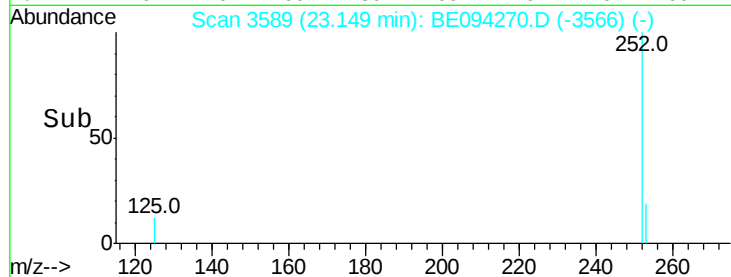
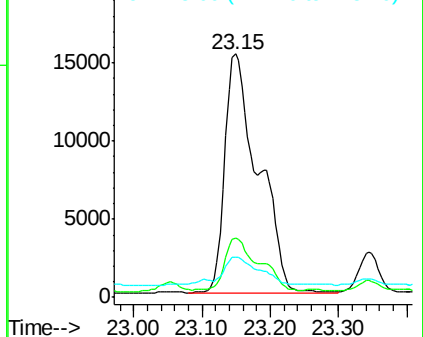
252 100

253 24.5 24.5 36.7

125 16.5 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: 0.660 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BE094270.D

Acq: 11 Oct 2017 2:52

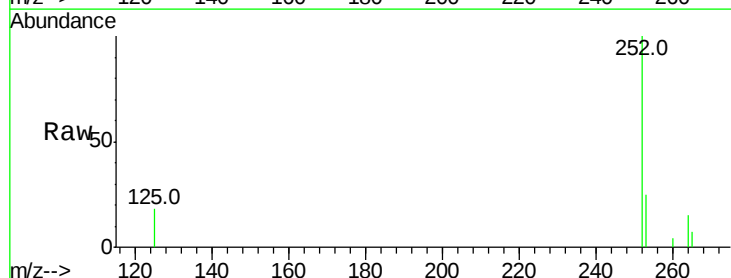
Tgt Ion:252 Resp: 27988

Ion Ratio Lower Upper

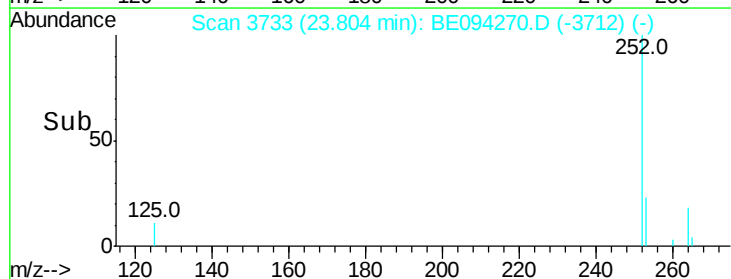
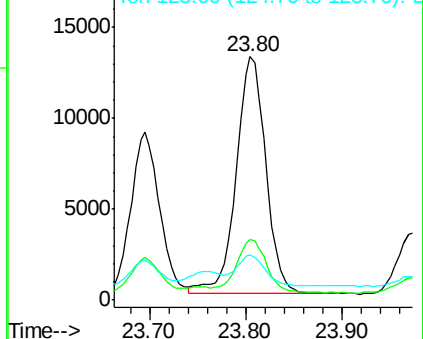
252 100

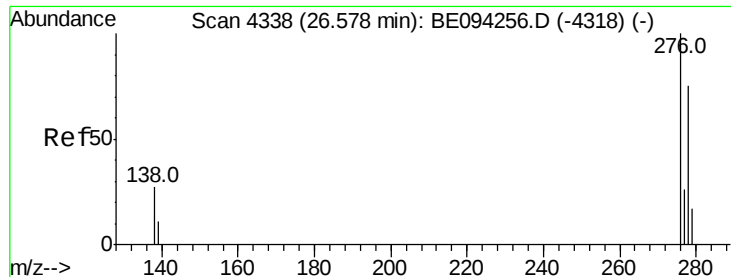
253 25.0 28.5 42.7#

125 18.4 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



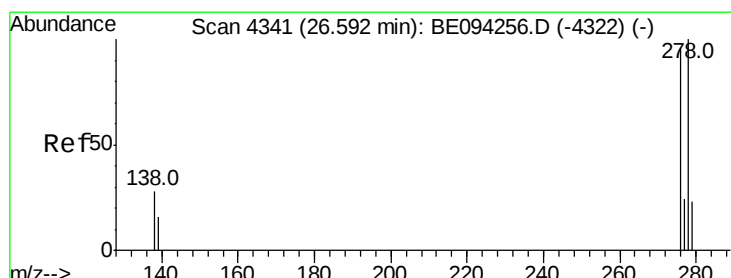
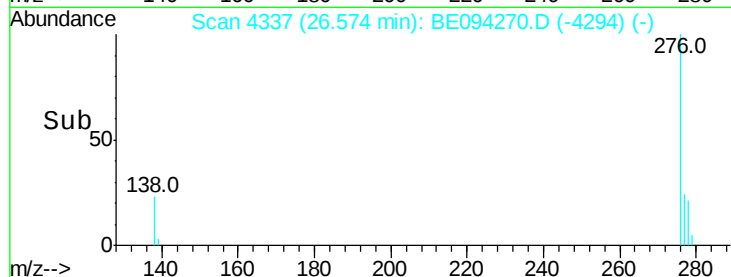
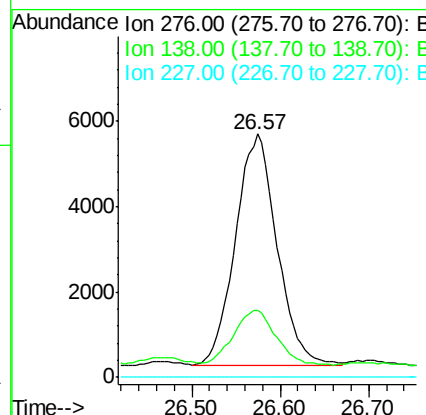
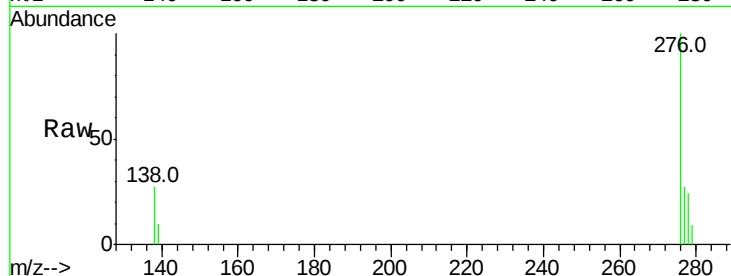


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.410 ng/ul
RT: 26.57 min Scan# 4337
Delta R.T. -0.00 min
Lab File: BE094270.D
Acq: 11 Oct 2017 2:52

Instrument :
BNA_E
ClientSampleId :

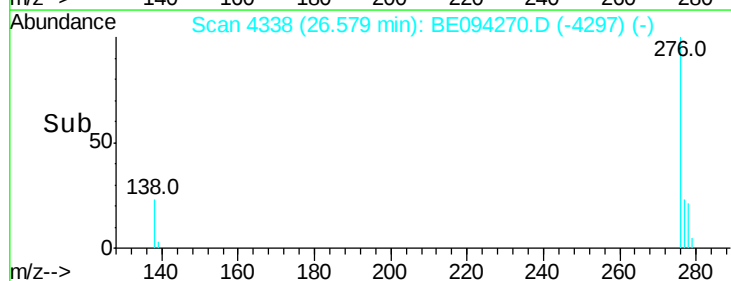
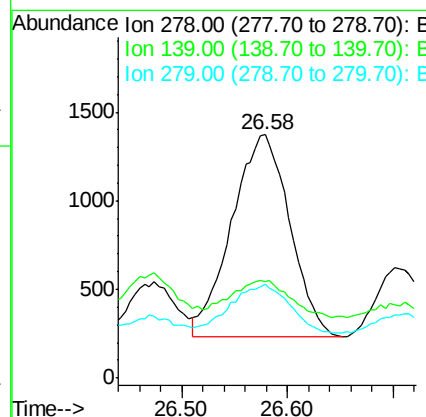
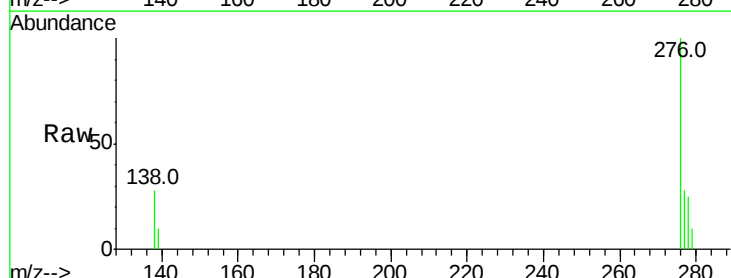
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.9	28.0	42.0#
227	0.0	8.0	12.0#

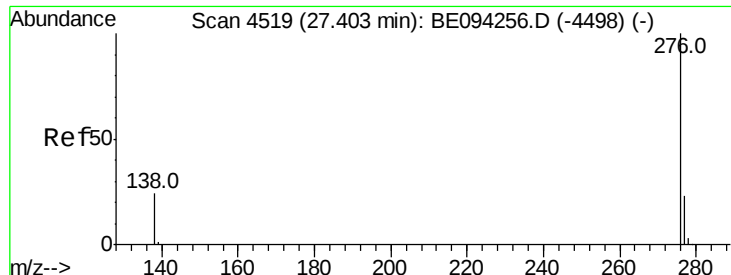


#25

Dibenzo(a,h)anthracene
Concen: 0.120 ng/ul
RT: 26.58 min Scan# 4338
Delta R.T. -0.01 min
Lab File: BE094270.D
Acq: 11 Oct 2017 2:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	39.8	17.4	26.0#
279	38.5	25.9	38.9





#26

Benzo(a,h,i)perylene

Concen: 0.441 ng/ul

RT: 27.39 min Scan# 4517

Delta R.T. -0.01 min

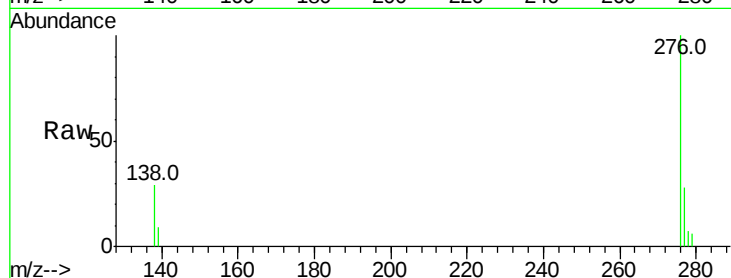
Lab File: BE094270.D

Acq: 11 Oct 2017 2:52

Instrument :

BNA_E

ClientSampleId :



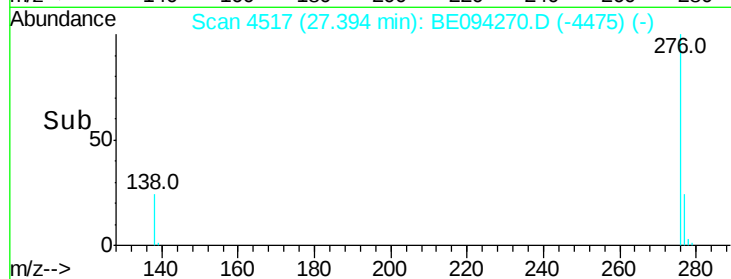
Tot Ion:276 Resp: 16525

Ion Ratio Lower Upper

276 100

138 29.5 21.8 32.8

277 28.0 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

