

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094583.D
 Acq On : 27 Oct 2017 3:48
 Operator : SJ/JU
 Sample : I5873-04 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 07:45:03 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

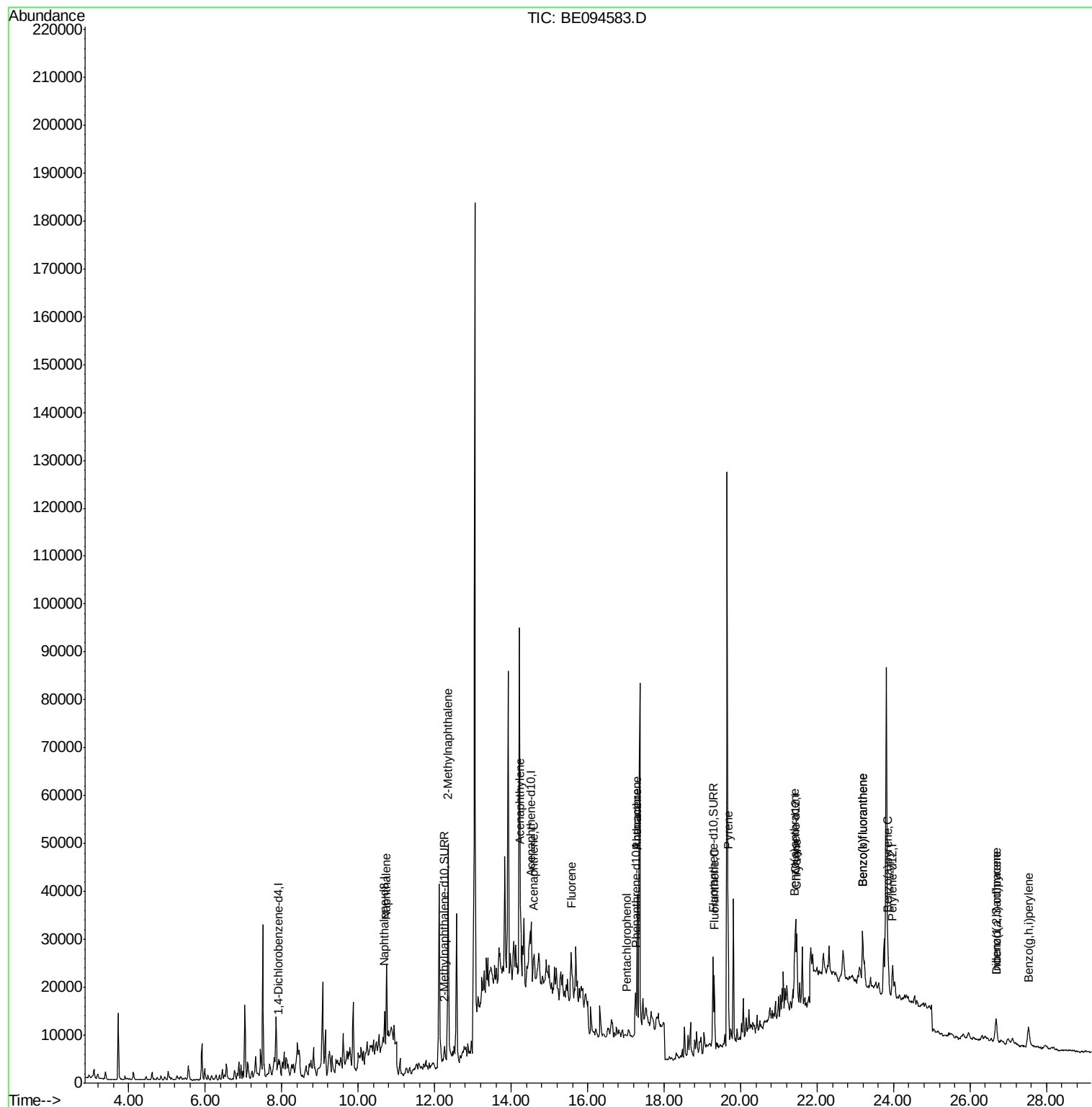
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1594	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	8859	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.52	164	8688	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10535	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	10730	0.40	ng/ul	0.00
20) Perylene-d12	23.98	264	10831	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.25	152	1973	0.14	ng/ul	-0.04
14) Fluoranthene-d10	19.28	212	19455	0.62	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	30126	1.391	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	36519	2.410	ng/ul	97
7) Acenaphthylene	14.24	152	7982	0.203	ng/ul#	1
8) Acenaphthene	14.59	153	2514	0.089	ng/ul#	38
9) Fluorene	15.57	166	6311	0.199	ng/ul#	52
11) Pentachlorophenol	17.03	266	81	0.154	ng/ul#	29
12) Phenanthrene	17.29	178	36898	1.326	ng/ul#	95
13) Anthracene	17.29	178	34258	1.248	ng/ul	95
15) Fluoranthene	19.31	202	17460	0.543	ng/ul	83
17) Pyrene	19.68	202	34824	1.050	ng/ul#	84
18) Benzo(a)anthracene	21.41	228	9921	0.323	ng/ul#	31
19) Chrysene	21.47	228	22934	0.723	ng/ul#	59
21) Benzo(b)fluoranthene	23.19	252	26676	0.876	ng/ul#	1
22) Benzo(k)fluoranthene	23.19	252	26630	0.816	ng/ul#	1
23) Benzo(a)pyrene	23.86	252	11353	0.373	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.68	276	9824	0.312	ng/ul#	81
25) Dibenzo(a,h)anthracene	26.67	278	2940	0.111	ng/ul#	1
26) Benzo(g,h,i)perylene	27.53	276	11974	0.473	ng/ul#	42

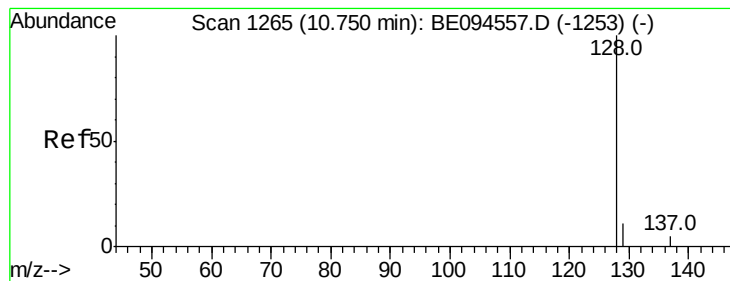
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.391 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094583.D

Acq: 27 Oct 2017 3:48

Instrument :

BNA_E

ClientSampleId :

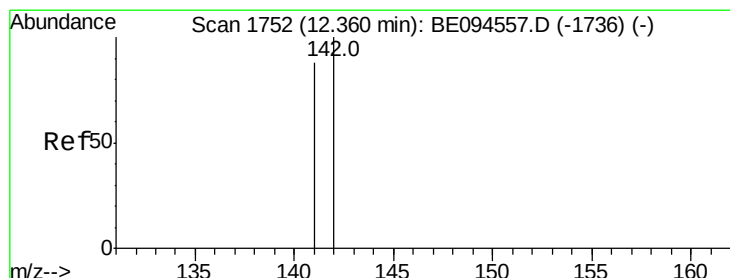
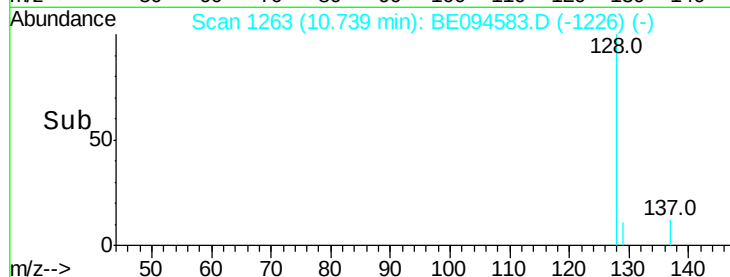
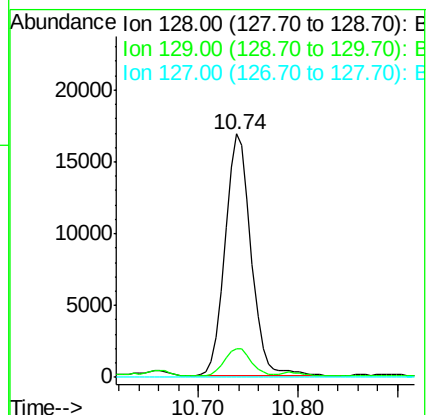
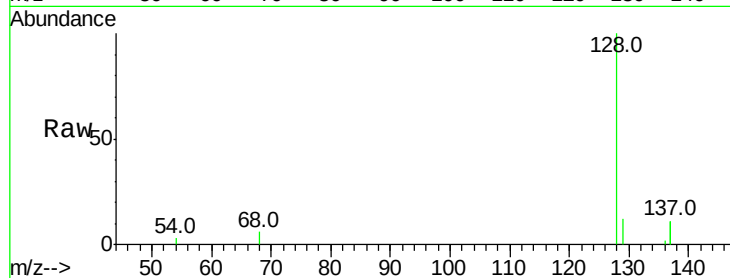
Tot Ion:128 Resp: 30126

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 2.410 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BE094583.D

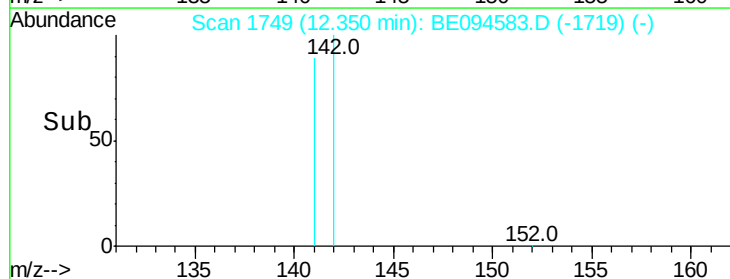
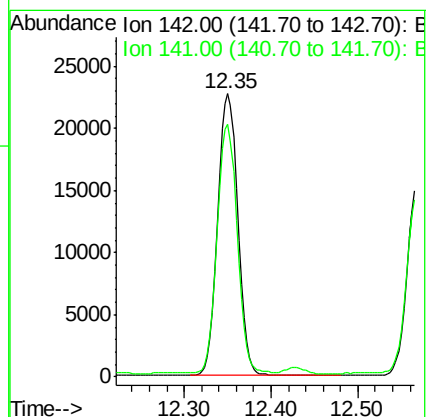
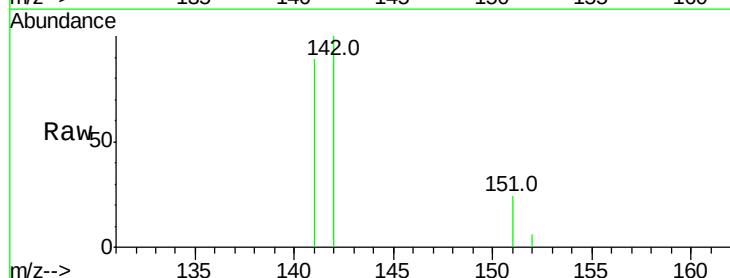
Acq: 27 Oct 2017 3:48

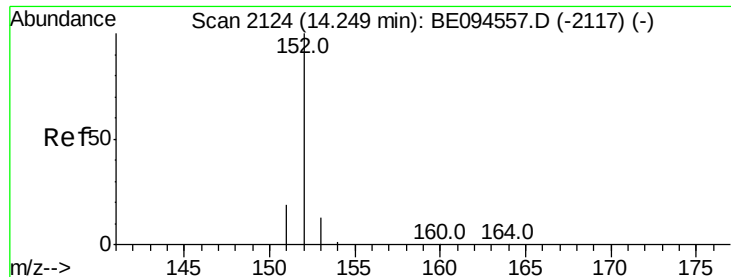
Tgt Ion:142 Resp: 36519

Ion Ratio Lower Upper

142 100

141 87.8 72.6 108.8





#7

Acenaphthylene

Concen: 0.203 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094583.D

Acq: 27 Oct 2017 3:48

Instrument :

BNA_E

ClientSampled :

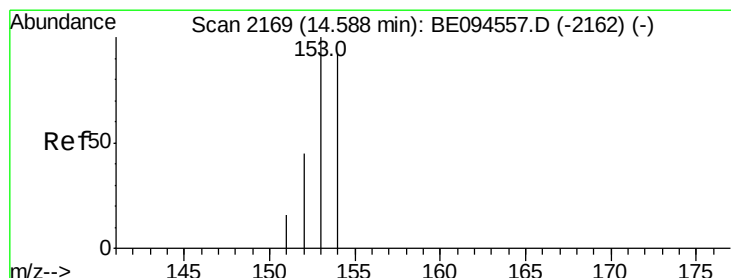
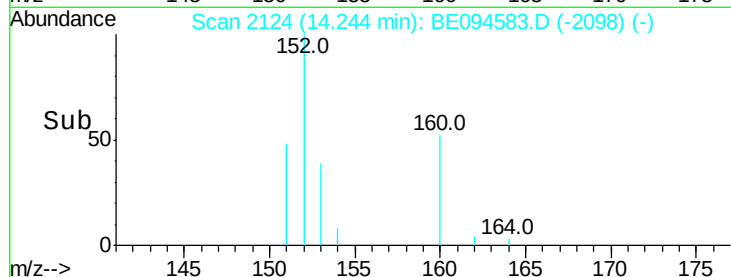
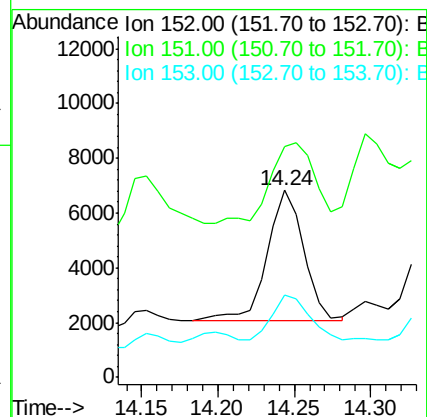
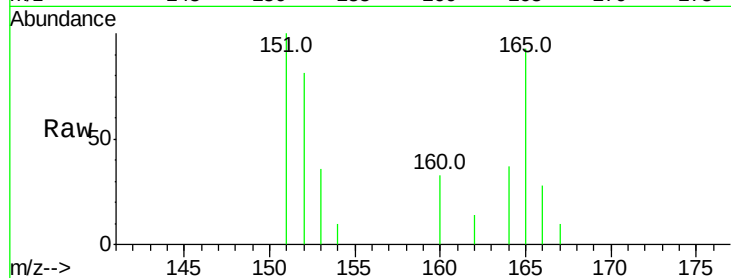
Tot Ion:152 Resp: 7982

Ion Ratio Lower Upper

152 100

151 123.8 17.1 25.7#

153 44.2 12.8 19.2#



#8

Acenaphthene

Concen: 0.089 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BE094583.D

Acq: 27 Oct 2017 3:48

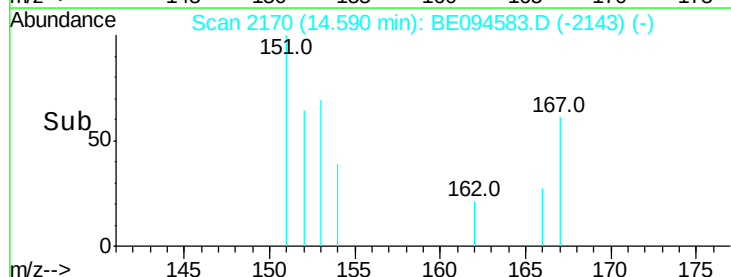
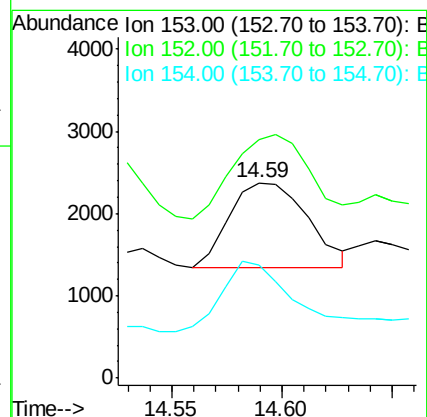
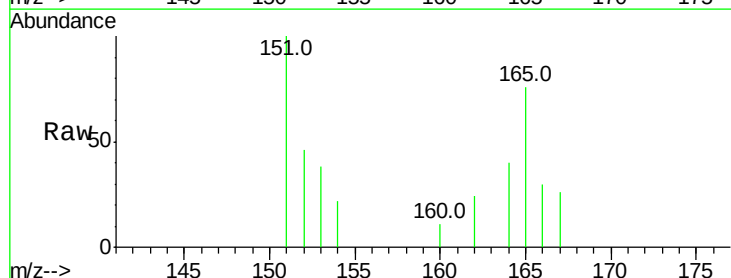
Tgt Ion:153 Resp: 2514

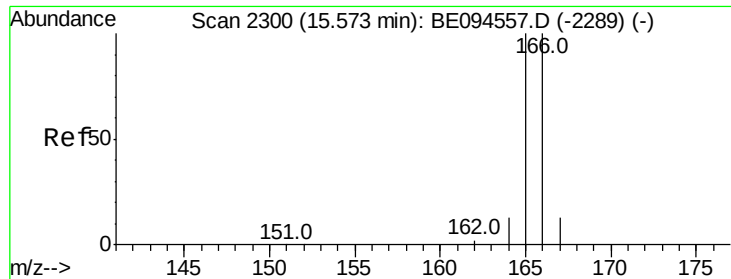
Ion Ratio Lower Upper

153 100

152 122.1 36.0 54.0#

154 58.2 72.0 108.0#





#9

Fluorene

Concen: 0.199 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094583.D

Acq: 27 Oct 2017 3:48

Instrument :

BNA_E

ClientSampleId :

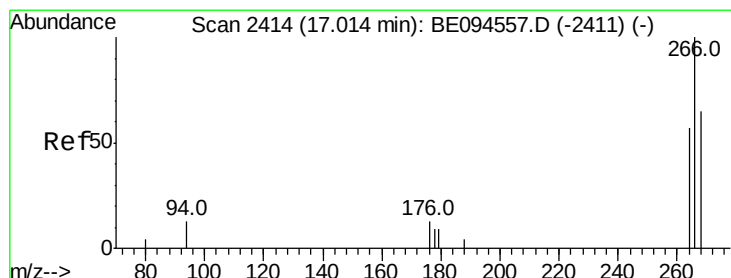
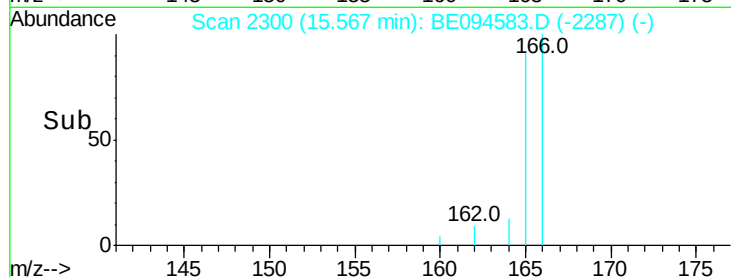
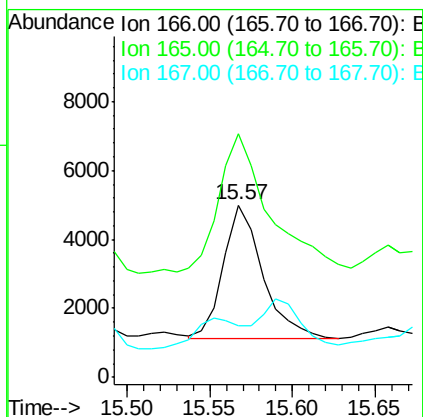
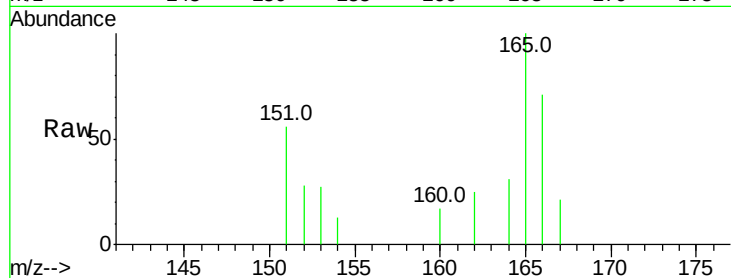
Tot Ion:166 Resp: 6311

Ion Ratio Lower Upper

166 100

165 141.3 73.4 110.2#

167 29.8 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.154 ng/ul

RT: 17.03 min Scan# 2416

Delta R.T. 0.02 min

Lab File: BE094583.D

Acq: 27 Oct 2017 3:48

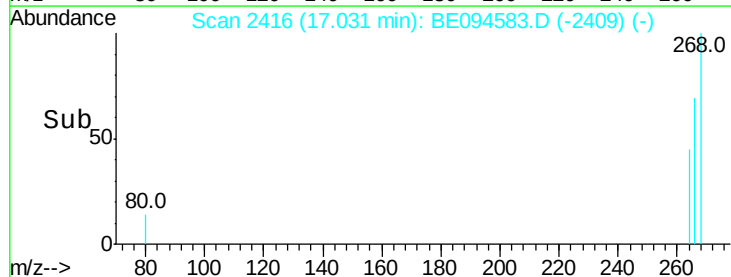
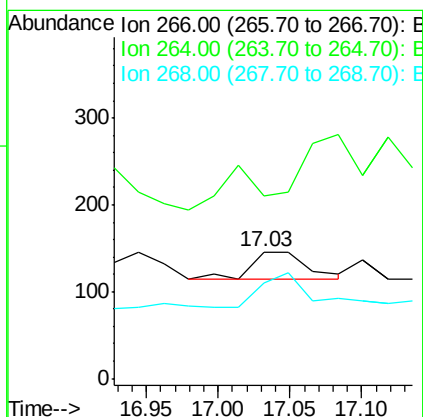
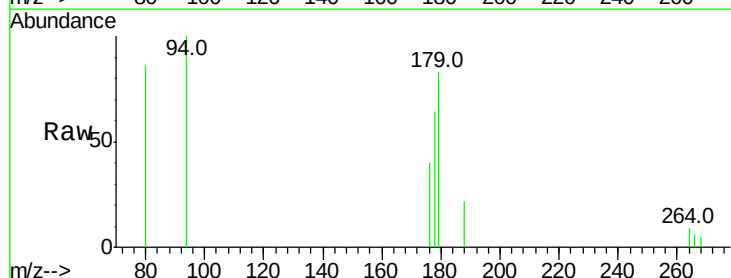
Tgt Ion:266 Resp: 81

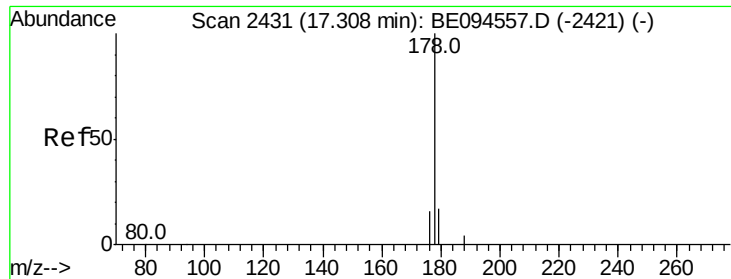
Ion Ratio Lower Upper

266 100

264 106.2 47.9 71.9#

268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 1.326 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094583.D

Acq: 27 Oct 2017 3:48

Instrument :

BNA_E

ClientSampleId :

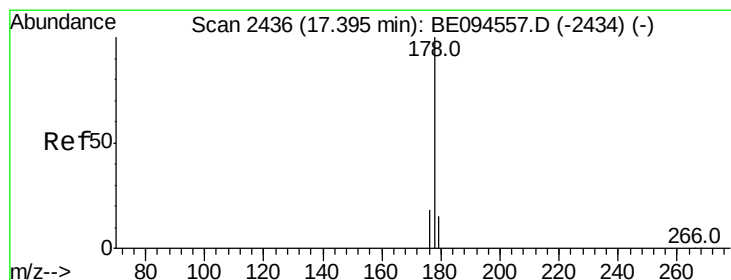
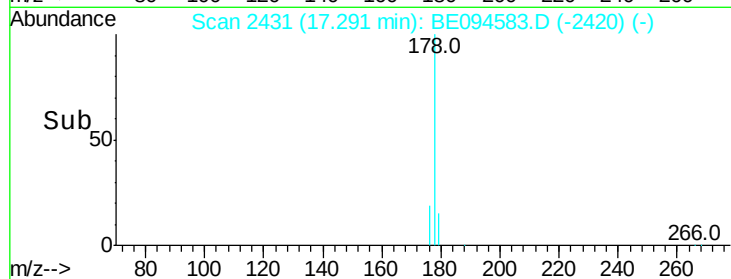
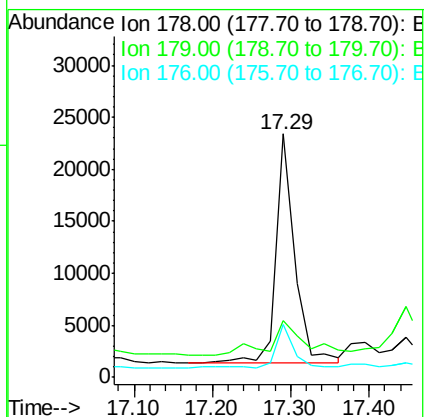
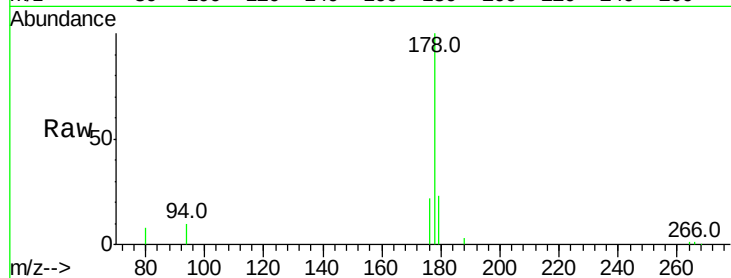
Tot Ion:178 Resp: 36898

Ion Ratio Lower Upper

178 100

179 23.5 18.4 27.6

176 21.9 13.6 20.4#



#13

Anthracene

Concen: 1.248 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.10 min

Lab File: BE094583.D

Acq: 27 Oct 2017 3:48

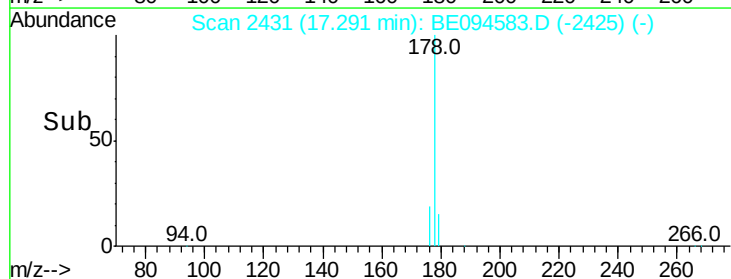
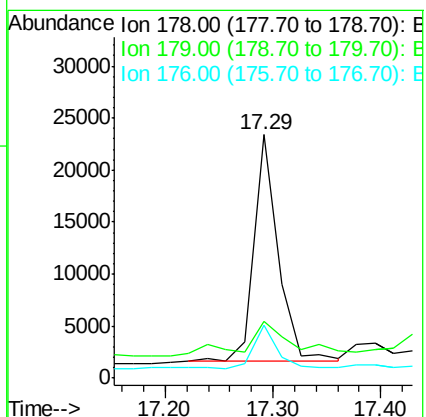
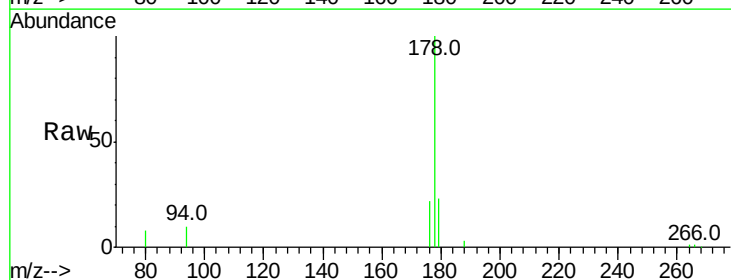
Tgt Ion:178 Resp: 34258

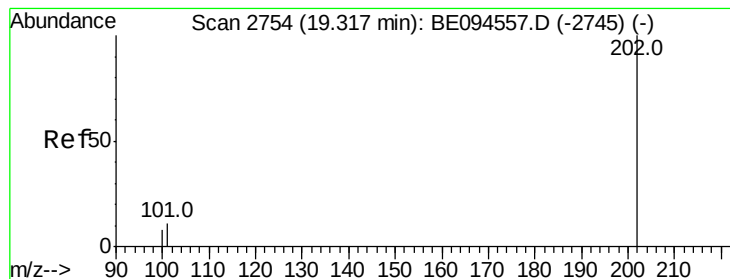
Ion Ratio Lower Upper

178 100

179 23.5 18.1 27.1

176 21.9 14.7 22.1





#15

Fluoranthene

Concen: 0.543 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE094583.D

Acq: 27 Oct 2017 3:48

Instrument :

BNA_E

ClientSampleId :

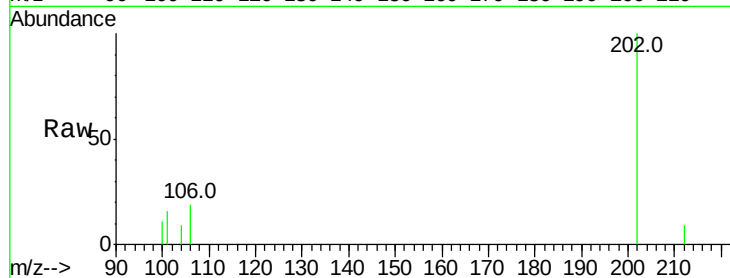
Tot Ion:202 Resp: 17460

Ion Ratio Lower Upper

202 100

101 16.0 0.0 30.3

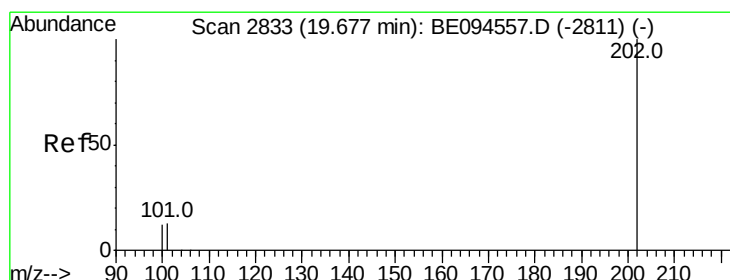
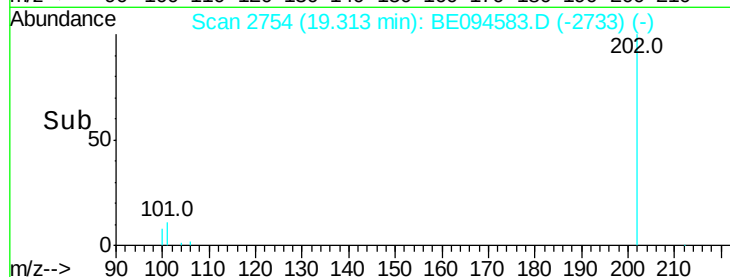
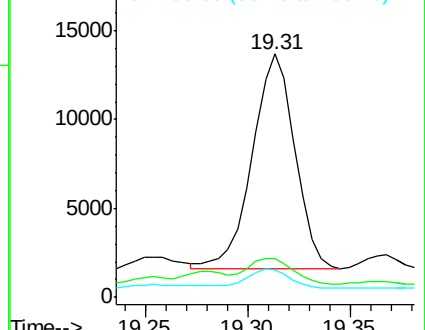
100 11.3 0.0 39.5



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): BE



#17

Pyrene

Concen: 1.050 ng/ul

RT: 19.68 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BE094583.D

Acq: 27 Oct 2017 3:48

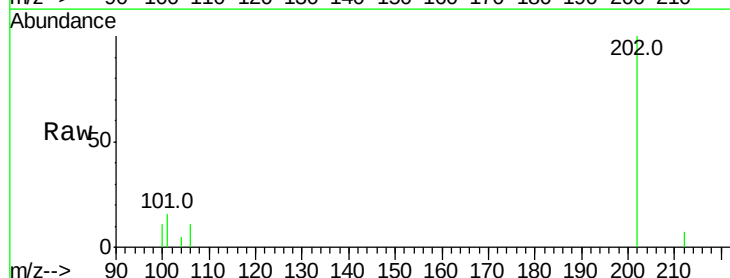
Tgt Ion:202 Resp: 34824

Ion Ratio Lower Upper

202 100

101 15.7 18.2 27.4#

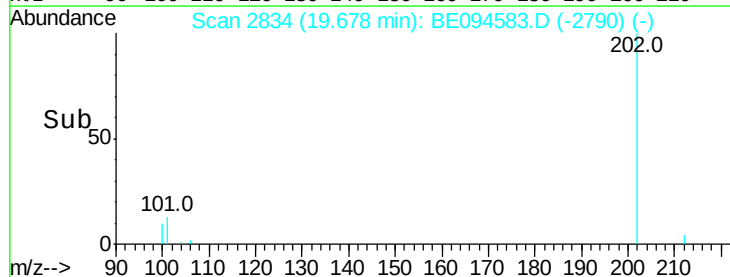
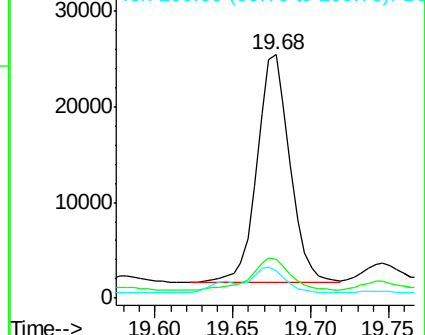
100 11.4 15.6 23.4#

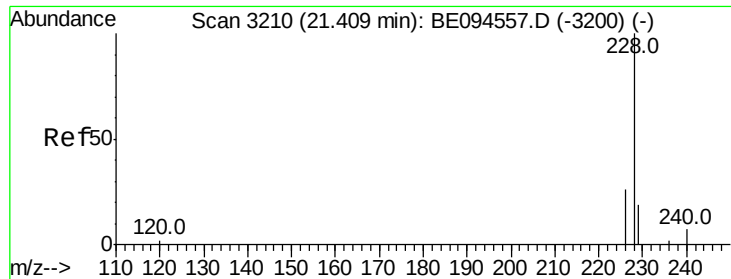


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

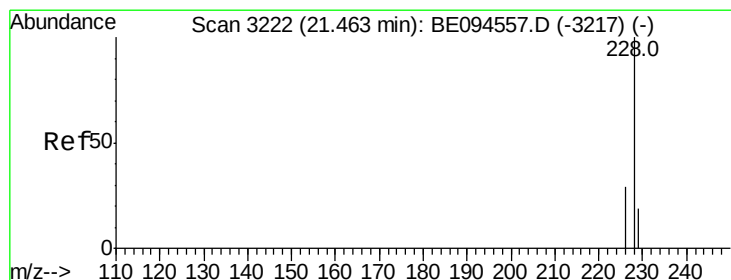
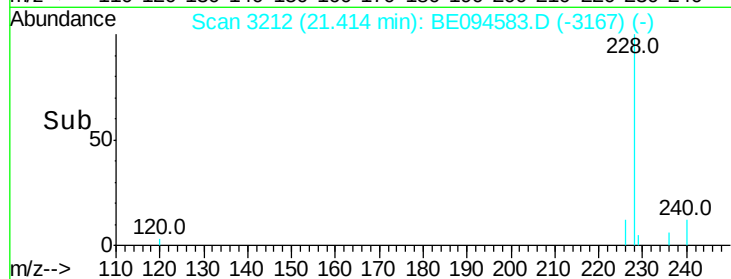
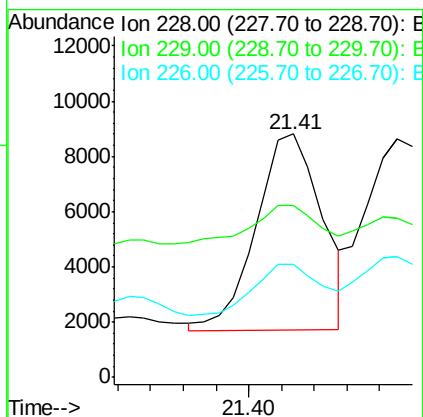
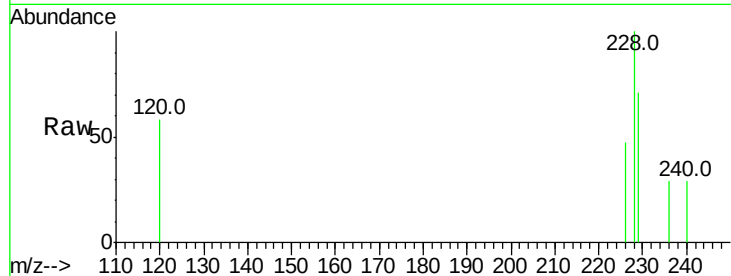




#18
Benzo(a)anthracene
Concen: 0.323 ng/ul
RT: 21.41 min Scan# 3212
Delta R.T. 0.00 min
Lab File: BE094583.D
Acq: 27 Oct 2017 3:48

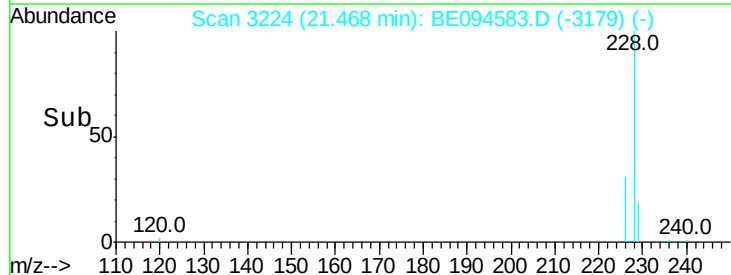
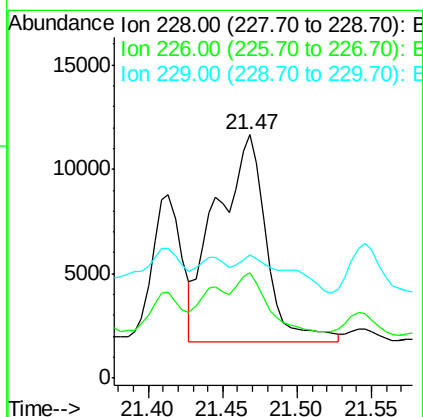
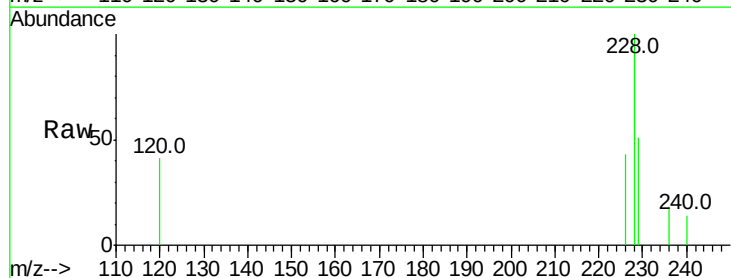
Instrument :
BNA_E
ClientSampled :

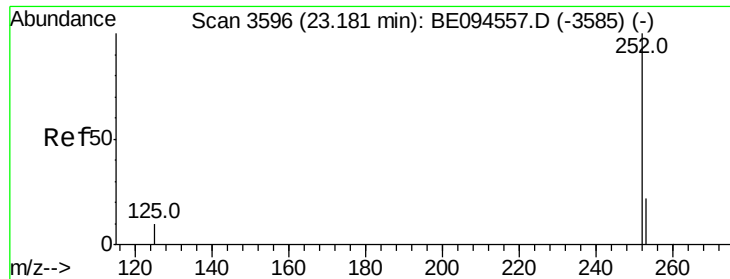
Tot Ion:228 Resp: 9921
Ion Ratio Lower Upper
228 100
229 70.6 22.8 34.2#
226 46.7 17.0 25.6#



#19
Chrysene
Concen: 0.723 ng/ul
RT: 21.47 min Scan# 3224
Delta R.T. 0.00 min
Lab File: BE094583.D
Acq: 27 Oct 2017 3:48

Tgt Ion:228 Resp: 22934
Ion Ratio Lower Upper
228 100
226 43.3 23.4 35.0#
229 50.5 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.876 ng/ul

RT: 23.19 min Scan# 3600

Delta R.T. 0.01 min

Lab File: BE094583.D

Acq: 27 Oct 2017 3:48

Instrument :

BNA_E

ClientSampleId :

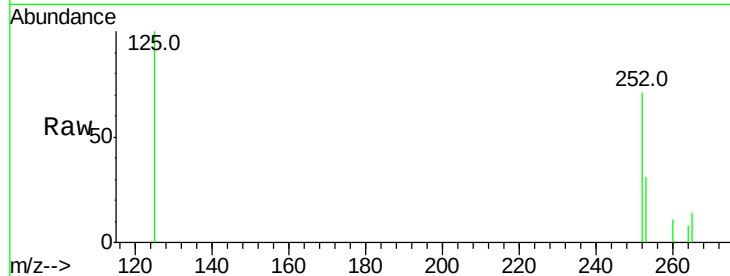
Tot Ion:252 Resp: 26676

Ion Ratio Lower Upper

252 100

253 43.9 0.0 64.2

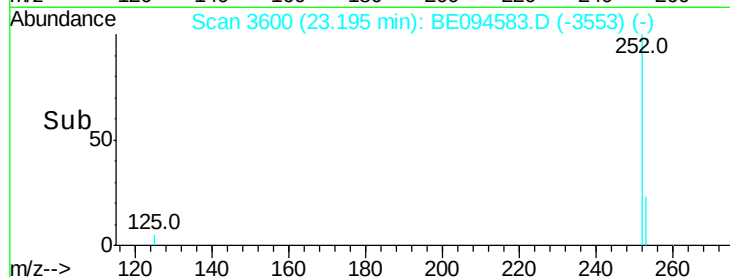
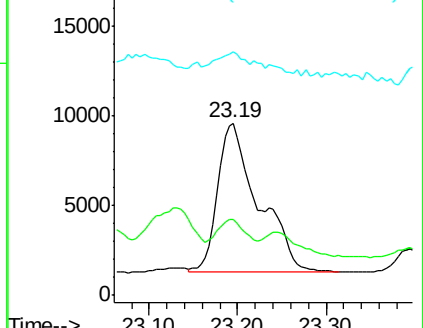
125 141.4 0.0 35.0#



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: 0.816 ng/ul

RT: 23.19 min Scan# 3600

Delta R.T. -0.04 min

Lab File: BE094583.D

Acq: 27 Oct 2017 3:48

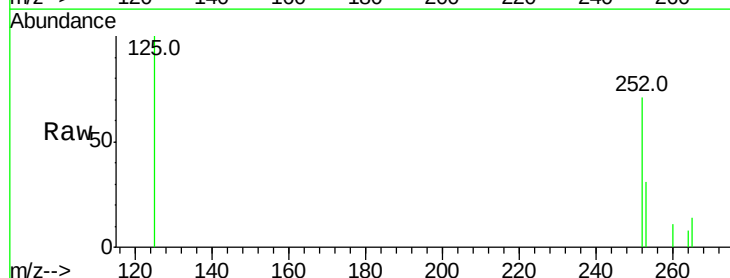
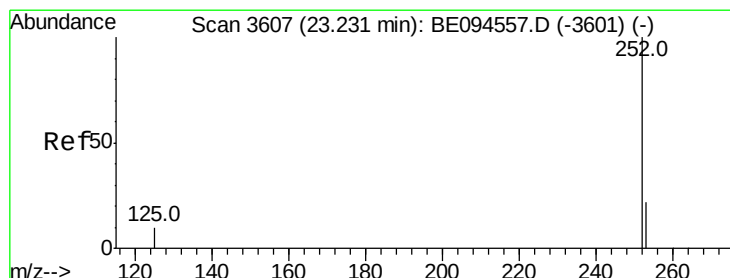
Tgt Ion:252 Resp: 26630

Ion Ratio Lower Upper

252 100

253 43.9 24.5 36.7#

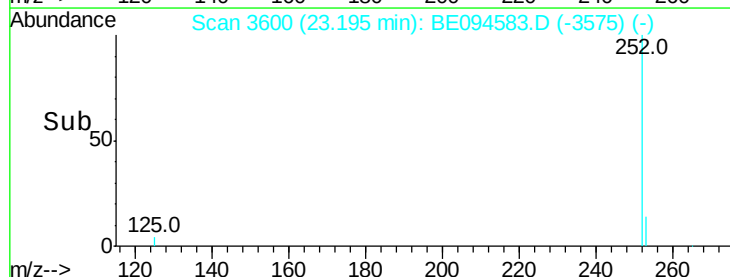
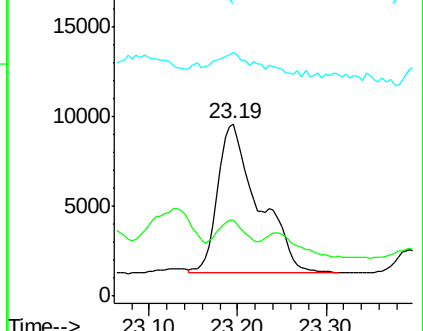
125 141.4 13.7 20.5#

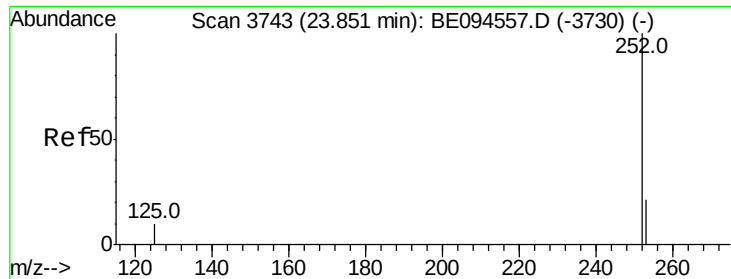


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.373 ng/ul

RT: 23.86 min Scan# 3746

Delta R.T. 0.01 min

Lab File: BE094583.D

Acq: 27 Oct 2017 3:48

Instrument :

BNA_E

ClientSampleId :

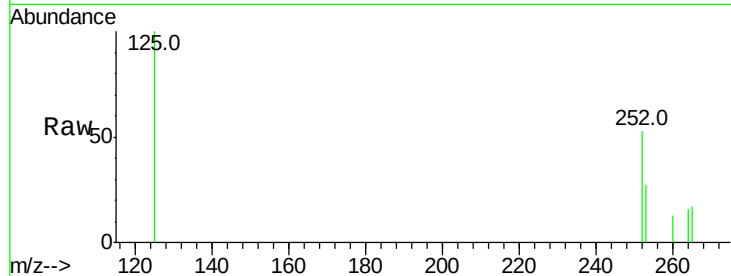
Tot Ion:252 Resp: 11353

Ion Ratio Lower Upper

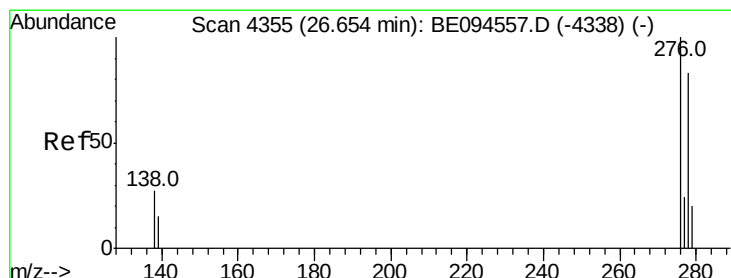
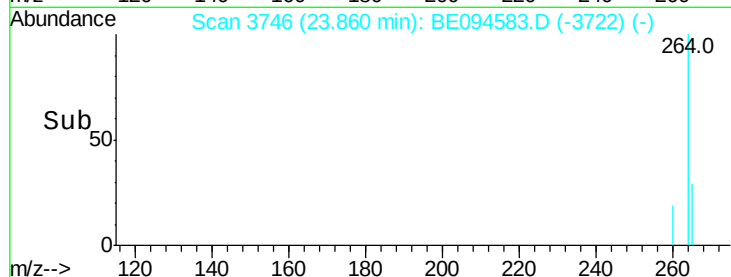
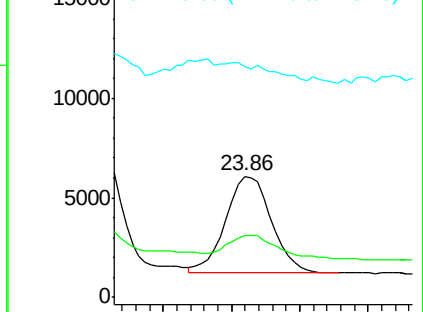
252 100

253 51.0 28.5 42.7#

125 190.3 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: 0.312 ng/ul

RT: 26.68 min Scan# 4362

Delta R.T. 0.03 min

Lab File: BE094583.D

Acq: 27 Oct 2017 3:48

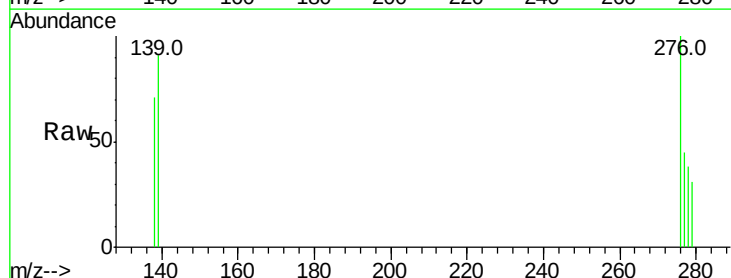
Tgt Ion:276 Resp: 9824

Ion Ratio Lower Upper

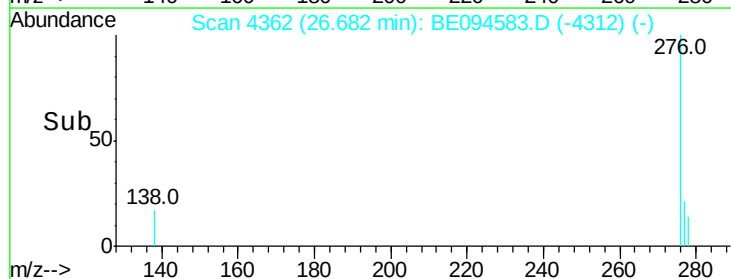
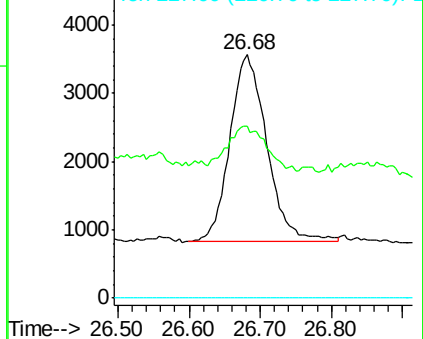
276 100

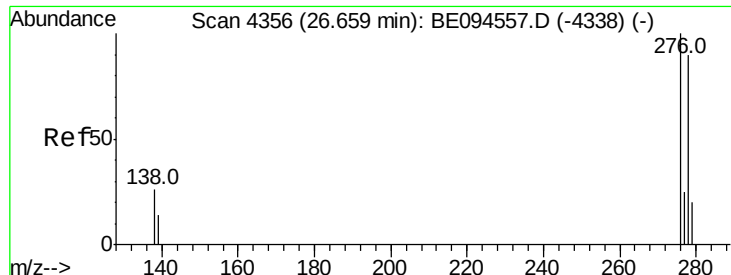
138 25.1 28.0 42.0#

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: 0.111 ng/ul

RT: 26.67 min Scan# 4360

Delta R.T. 0.01 min

Lab File: BE094583.D

Acq: 27 Oct 2017 3:48

Instrument :

BNA_E

ClientSampleId :

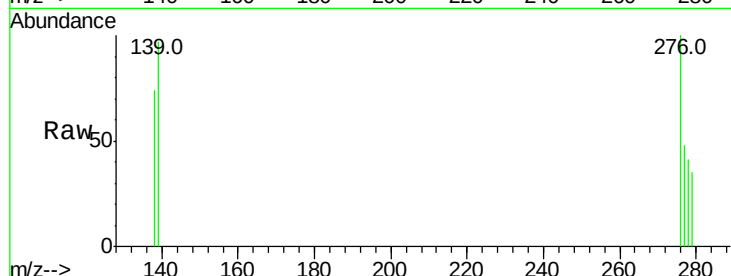
Tot Ion:278 Resp: 2940

Ion Ratio Lower Upper

278 100

139 235.0 17.4 26.0#

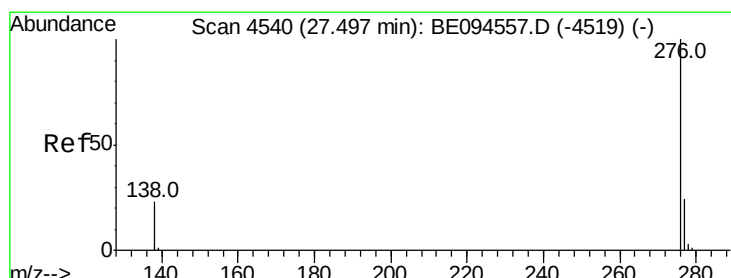
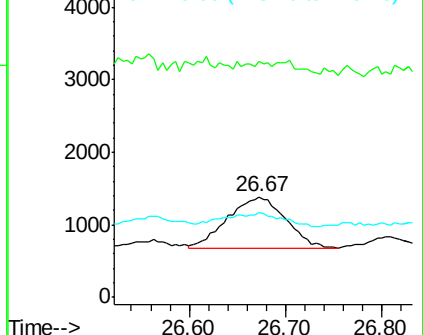
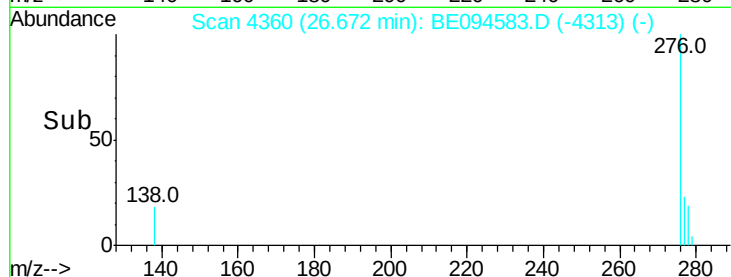
279 84.1 25.9 38.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.473 ng/ul

RT: 27.53 min Scan# 4548

Delta R.T. 0.03 min

Lab File: BE094583.D

Acq: 27 Oct 2017 3:48

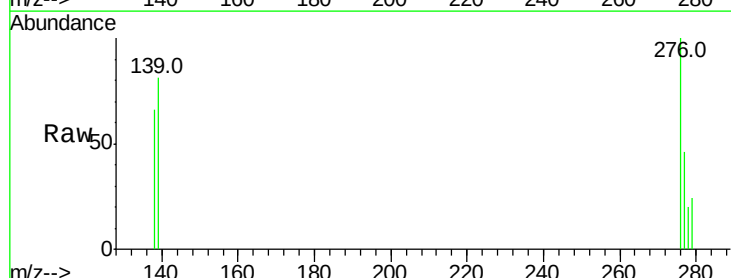
Tgt Ion:276 Resp: 11974

Ion Ratio Lower Upper

276 100

138 66.1 21.8 32.8#

277 45.8 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

