

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094589.D
 Acq On : 27 Oct 2017 10:55
 Operator : SJ/JU
 Sample : I5786-04 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 13:20:30 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

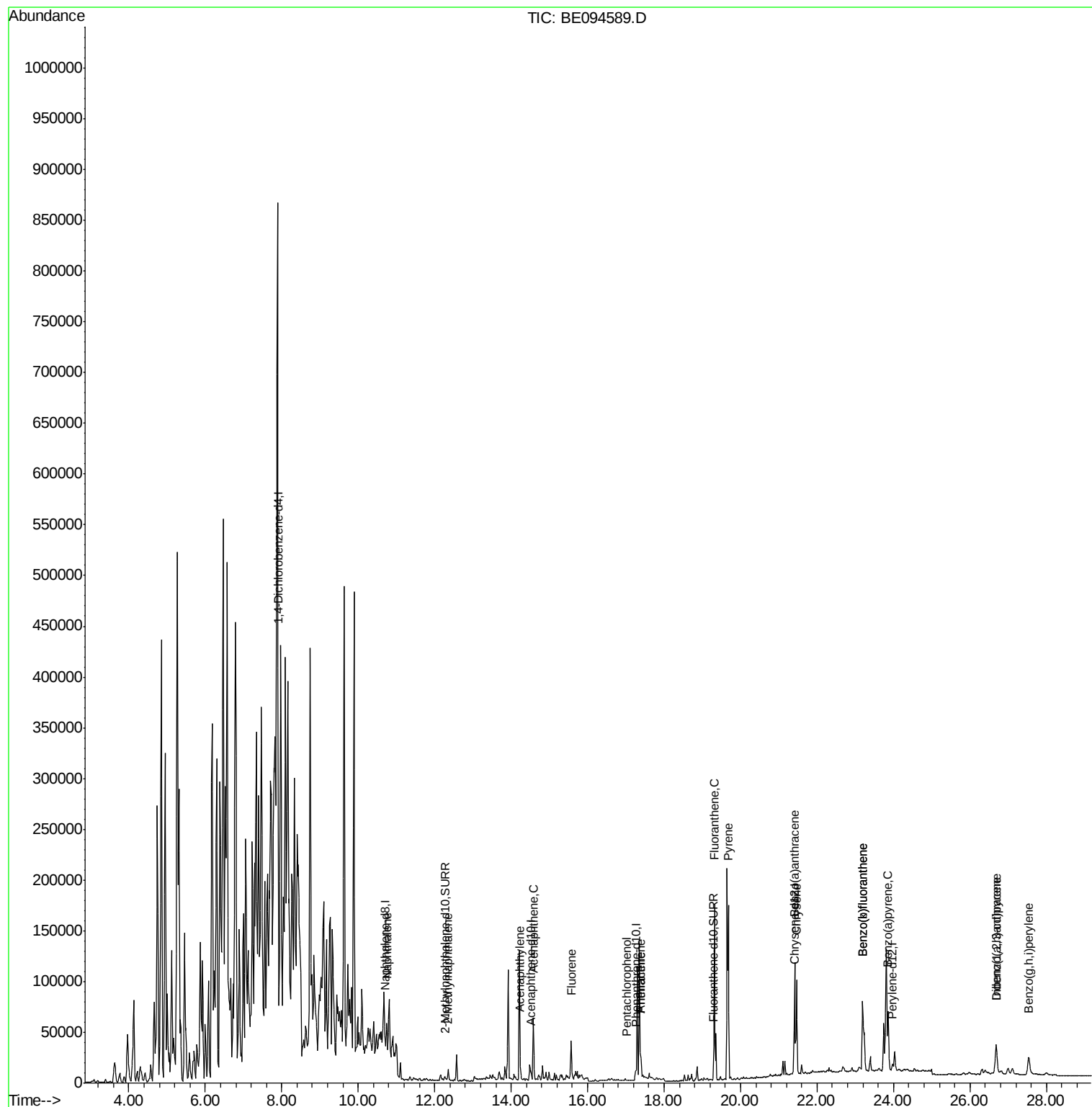
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	4920	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	11210	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5525	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10448	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	10453	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	11127	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	2634	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	2659	0.09	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	45249	1.651	ng/ul#	5
5) 2-Methylnaphthalene	12.35	142	8201	0.428	ng/ul	98
7) Acenaphthylene	14.24	152	9725	0.389	ng/ul#	69
8) Acenaphthene	14.58	153	37405	2.083	ng/ul	97
9) Fluorene	15.57	166	25298	1.254	ng/ul	92
11) Pentachlorophenol	17.03	266	17	0.033	ng/ul#	21
12) Phenanthrene	17.39	178	29900	1.083	ng/ul	97
13) Anthracene	17.39	178	33381	1.226	ng/ul	96
15) Fluoranthene	19.32	202	201327	6.310	ng/ul	84
17) Pyrene	19.68	202	190021	5.880	ng/ul#	82
18) Benzo(a)anthracene	21.41	228	106432	3.562	ng/ul#	89
19) Chrysene	21.47	228	100147	3.242	ng/ul	96
21) Benzo(b)fluoranthene	23.19	252	175941	5.621	ng/ul	92
22) Benzo(k)fluoranthene	23.19	252	174835	5.212	ng/ul	93
23) Benzo(a)pyrene	23.86	252	95193	3.043	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	26.69	276	62490	1.930	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.68	278	16468	0.604	ng/ul#	60
26) Benzo(g,h,i)perylene	27.53	276	50737	1.952	ng/ul#	89

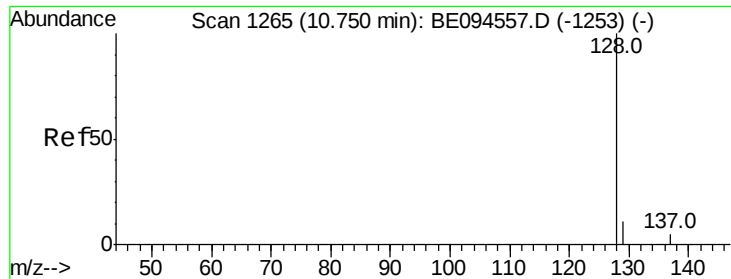
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.651 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE094589.D

Acq: 27 Oct 2017 10:55

Instrument :

BNA_E

ClientSampleId :

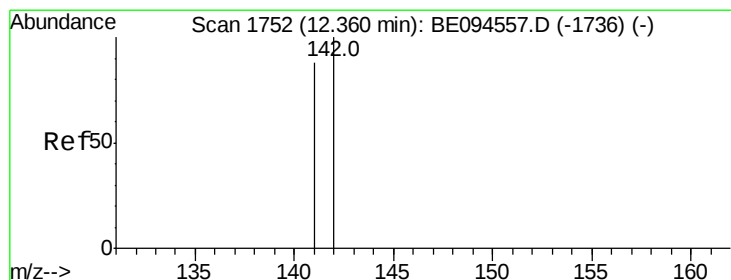
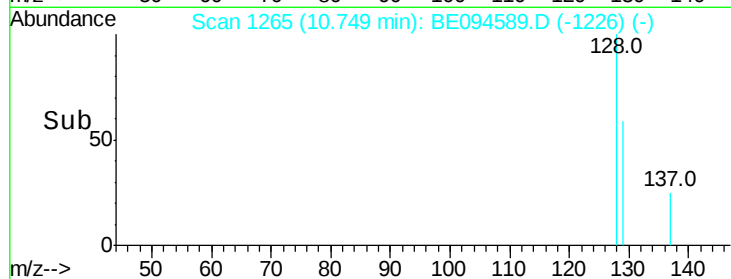
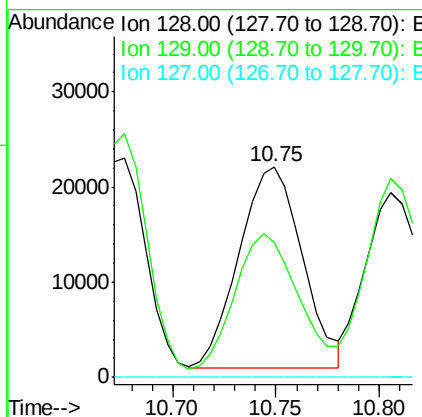
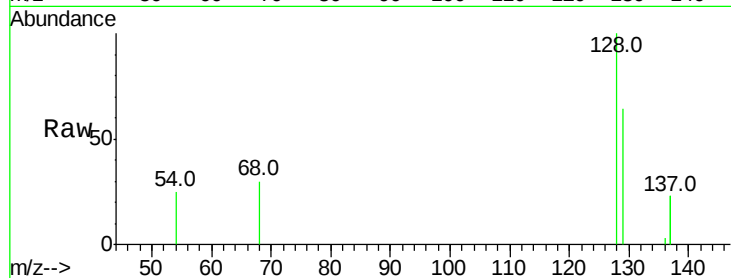
Tot Ion:128 Resp: 45249

Ion Ratio Lower Upper

128 100

129 64.1 11.3 16.9#

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.428 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094589.D

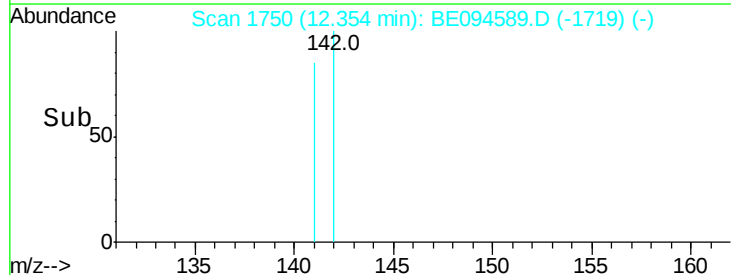
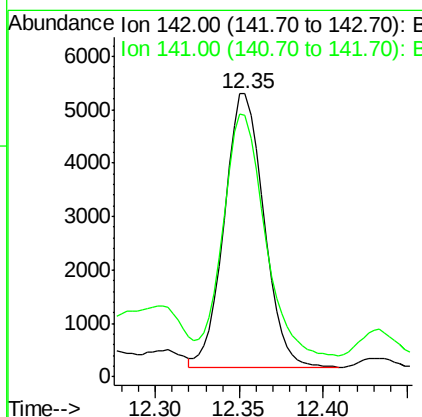
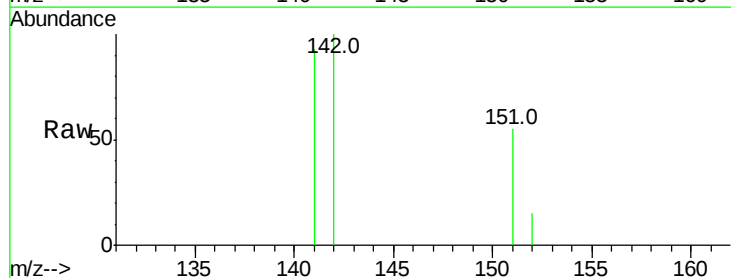
Acq: 27 Oct 2017 10:55

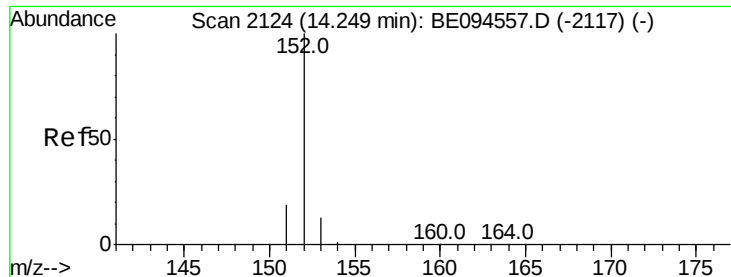
Tgt Ion:142 Resp: 8201

Ion Ratio Lower Upper

142 100

141 92.7 72.6 108.8





#7

Acenaphthylene

Concen: 0.389 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094589.D

Acq: 27 Oct 2017 10:55

Instrument :

BNA_E

ClientSampled :

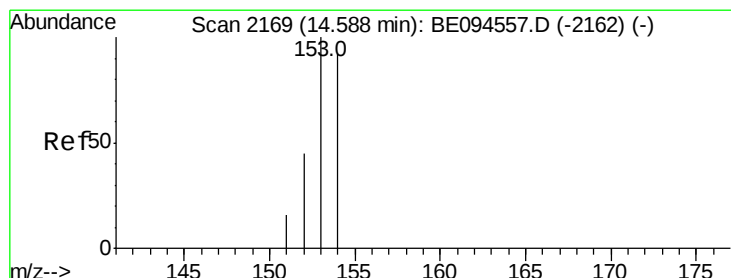
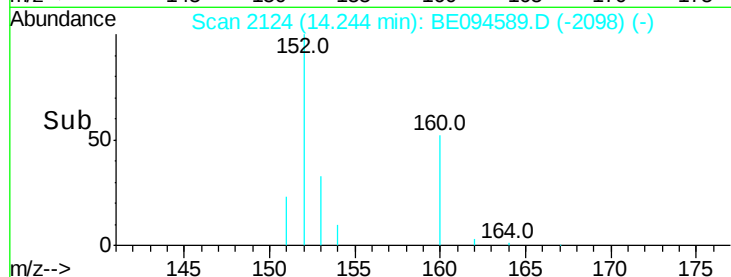
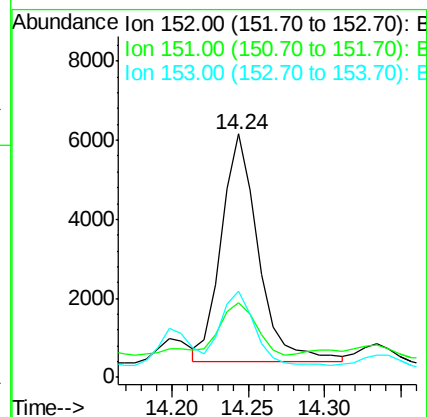
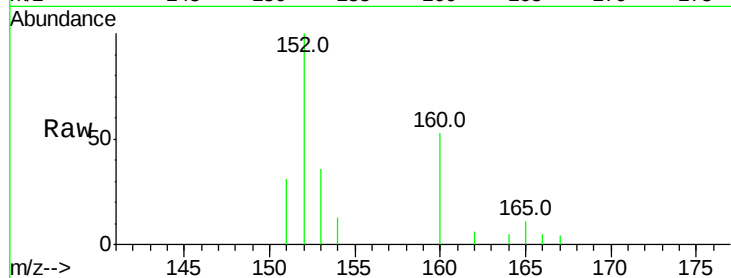
Tot Ion:152 Resp: 9725

Ion Ratio Lower Upper

152 100

151 30.9 17.1 25.7#

153 35.5 12.8 19.2#



#8

Acenaphthene

Concen: 2.083 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094589.D

Acq: 27 Oct 2017 10:55

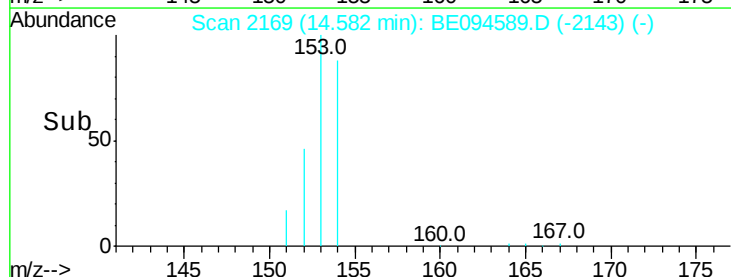
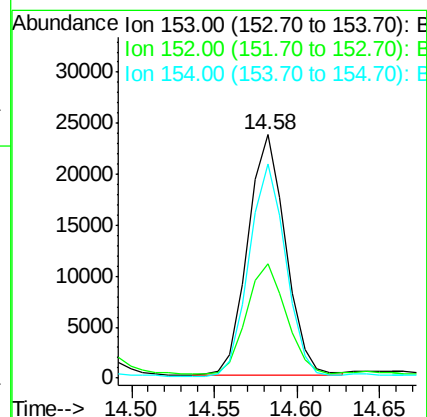
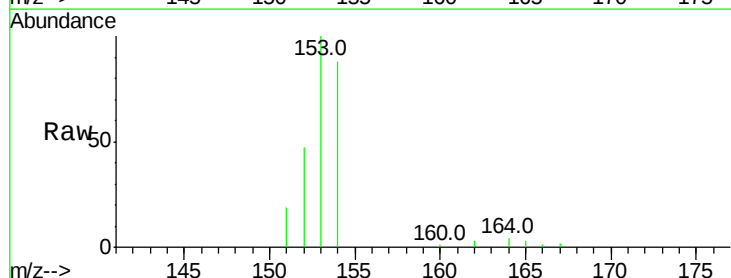
Tgt Ion:153 Resp: 37405

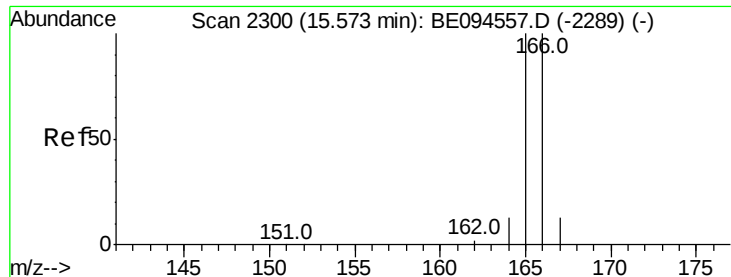
Ion Ratio Lower Upper

153 100

152 47.1 36.0 54.0

154 87.9 72.0 108.0

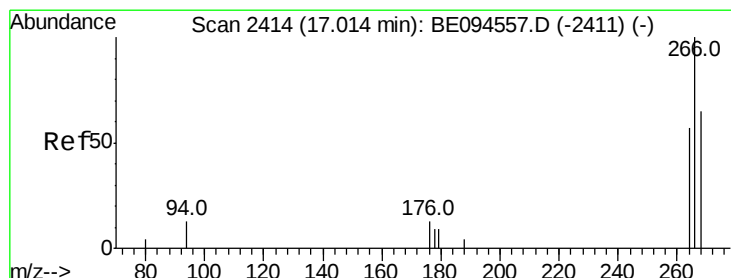
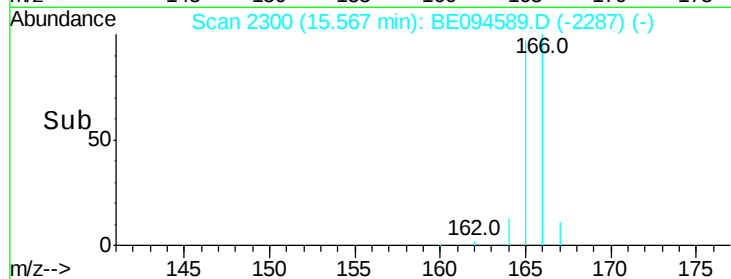
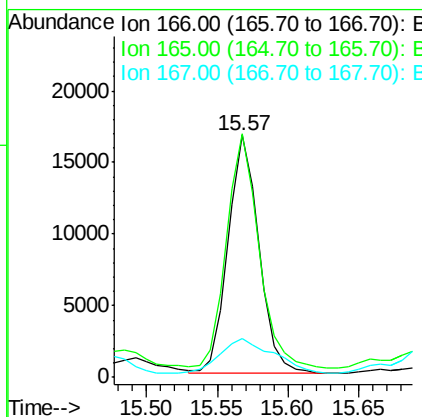
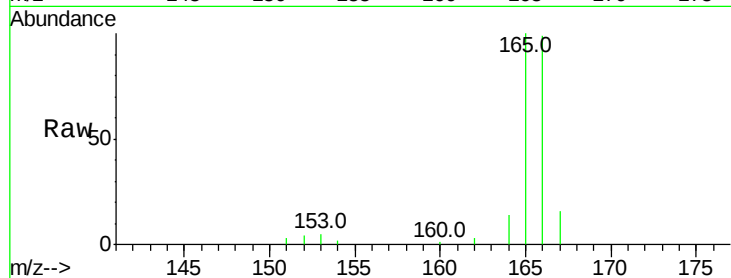




#9
Fluorene
 Concen: 1.254 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094589.D
 Acq: 27 Oct 2017 10:55

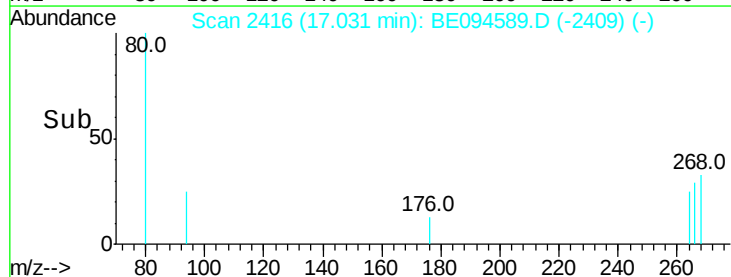
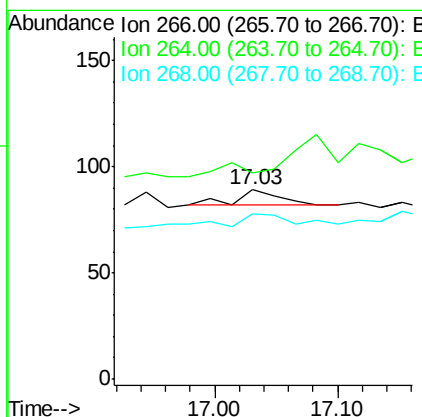
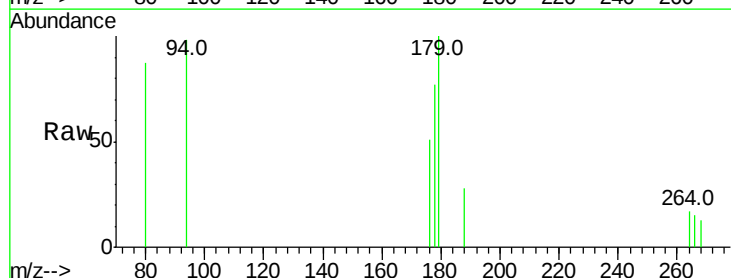
Instrument :
 BNA_E
 ClientSampleId :

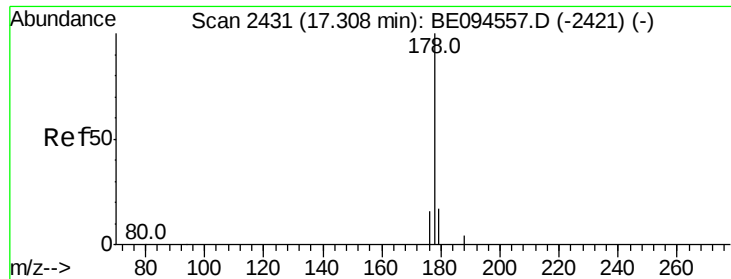
Tot Ion:166 Resp: 25298
 Ion Ratio Lower Upper
 166 100
 165 100.5 73.4 110.2
 167 16.2 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.033 ng/ul
 RT: 17.03 min Scan# 2416
 Delta R.T. 0.02 min
 Lab File: BE094589.D
 Acq: 27 Oct 2017 10:55

Tgt Ion:266 Resp: 17
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 123.5 49.8 74.8#





#12

Phenanthrene

Concen: 1.083 ng/ul

RT: 17.39 min Scan# 2437

Delta R.T. 0.09 min

Lab File: BE094589.D

Acq: 27 Oct 2017 10:55

Instrument :

BNA_E

ClientSampleId :

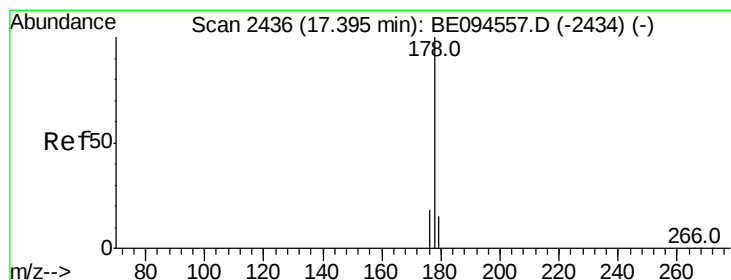
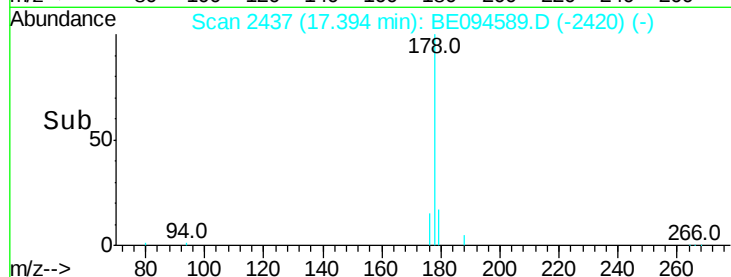
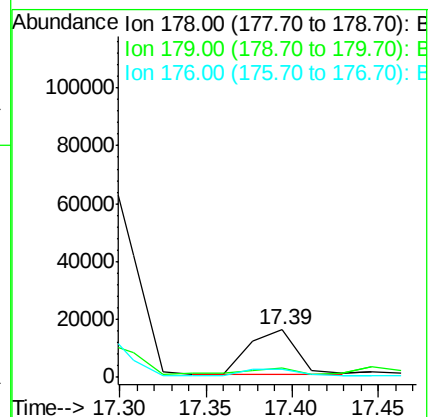
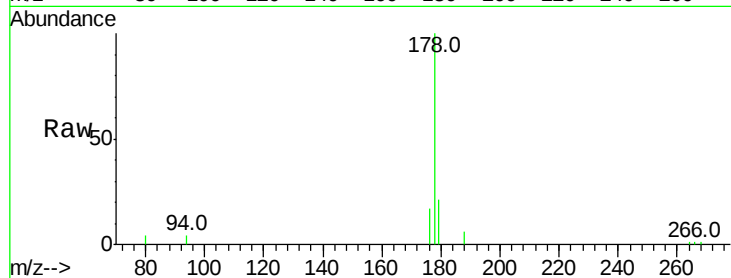
Tot Ion:178 Resp: 29900

Ion Ratio Lower Upper

178 100

179 20.7 18.4 27.6

176 16.8 13.6 20.4



#13

Anthracene

Concen: 1.226 ng/ul

RT: 17.39 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BE094589.D

Acq: 27 Oct 2017 10:55

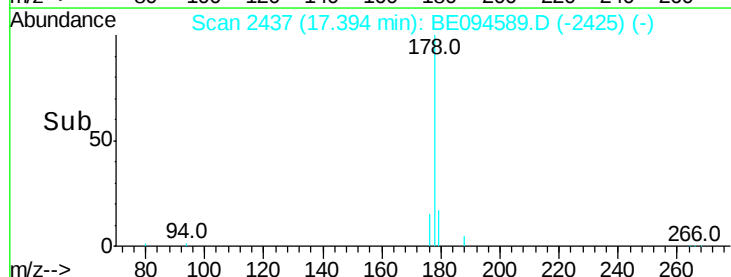
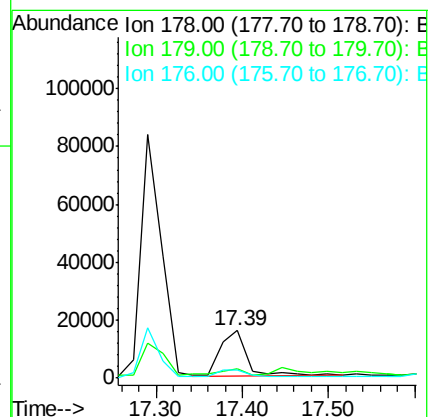
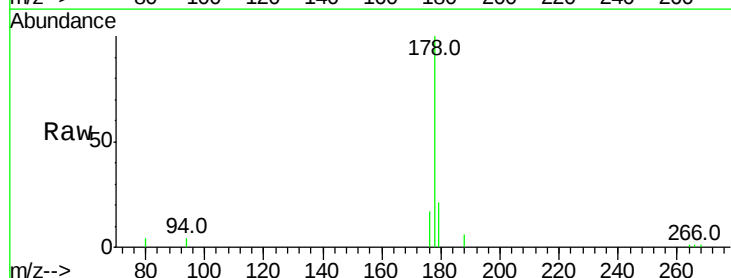
Tgt Ion:178 Resp: 33381

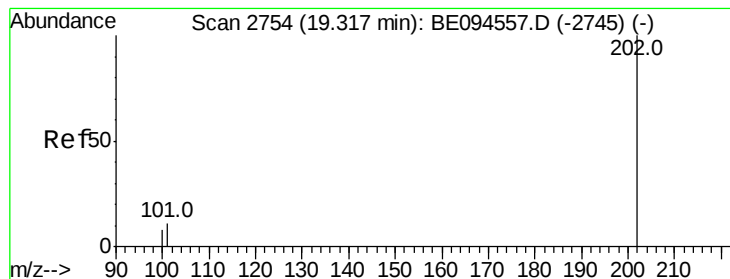
Ion Ratio Lower Upper

178 100

179 20.7 18.1 27.1

176 16.8 14.7 22.1





#15

Fluoranthene

Concen: 6.310 ng/ul

RT: 19.32 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE094589.D

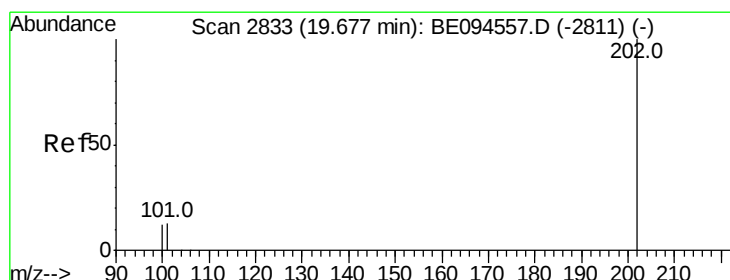
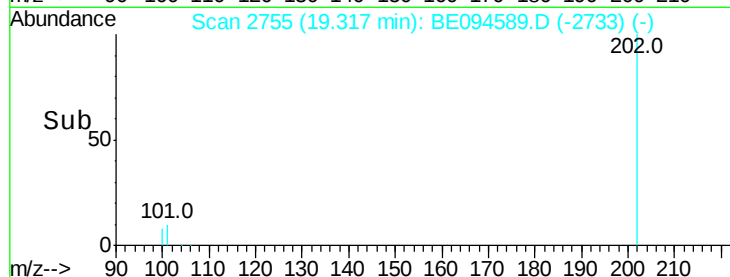
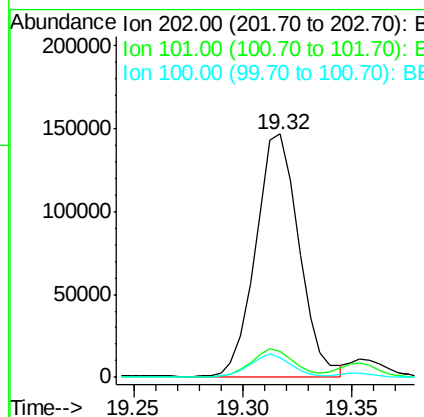
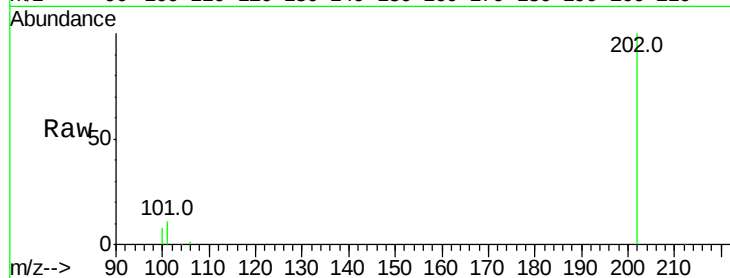
Acq: 27 Oct 2017 10:55

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	202	Resp:	201327
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	30.3
100	8.3	0.0	39.5



#17

Pyrene

Concen: 5.880 ng/ul

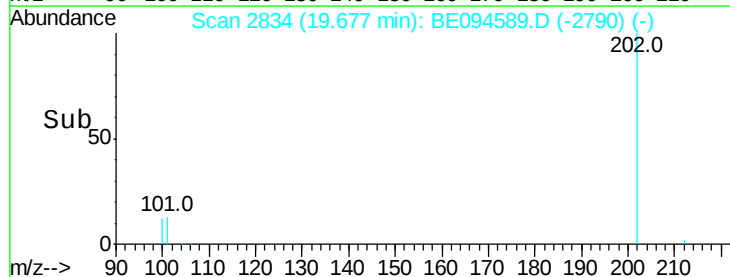
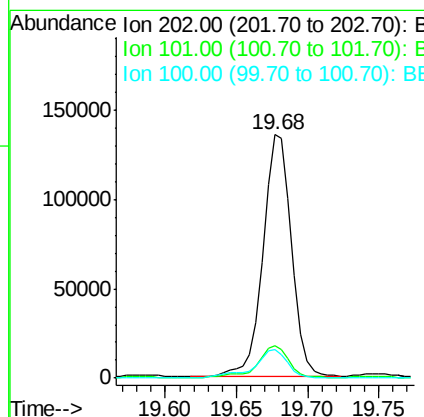
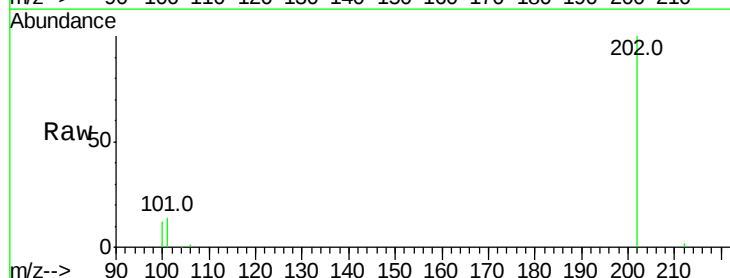
RT: 19.68 min Scan# 2834

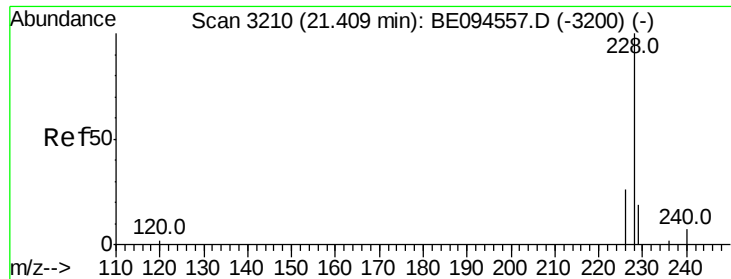
Delta R.T. -0.00 min

Lab File: BE094589.D

Acq: 27 Oct 2017 10:55

Tgt Ion:	202	Resp:	190021
Ion	Ratio	Lower	Upper
202	100		
101	13.5	18.2	27.4#
100	11.8	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 3.562 ng/ul

RT: 21.41 min Scan# 3212

Delta R.T. 0.00 min

Lab File: BE094589.D

Acq: 27 Oct 2017 10:55

Instrument :

BNA_E

ClientSampleId :

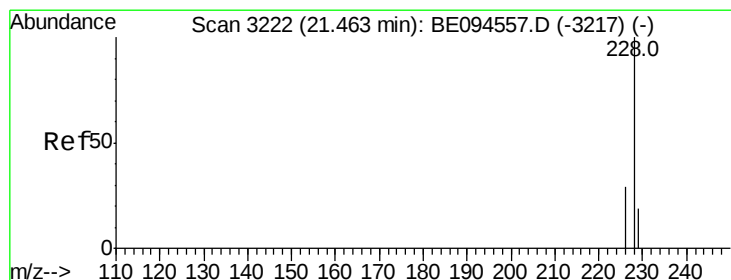
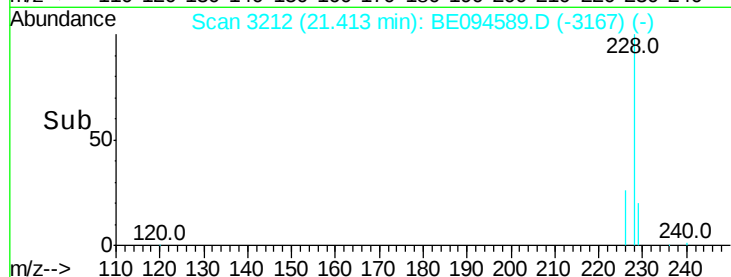
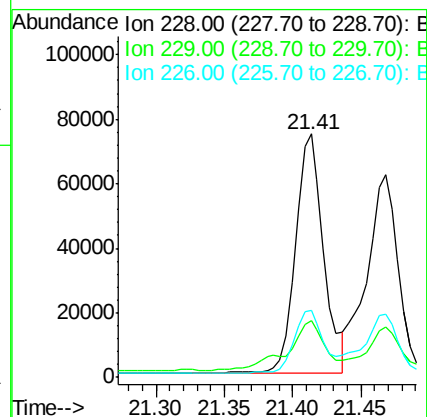
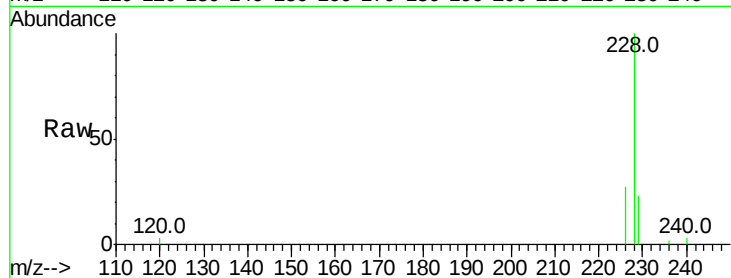
Tot Ion:228 Resp: 106432

Ion Ratio Lower Upper

228 100

229 23.1 22.8 34.2

226 27.4 17.0 25.6#



#19

Chrysene

Concen: 3.242 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. 0.00 min

Lab File: BE094589.D

Acq: 27 Oct 2017 10:55

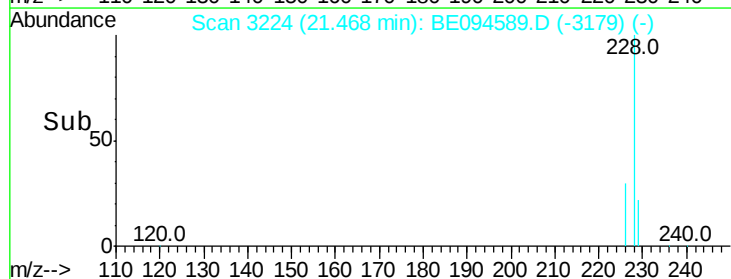
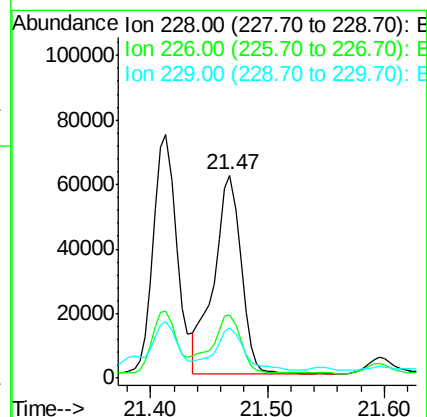
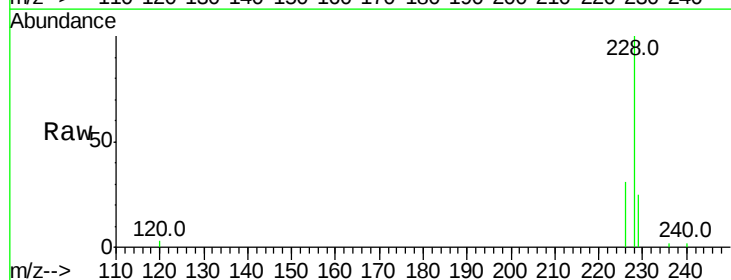
Tgt Ion:228 Resp: 100147

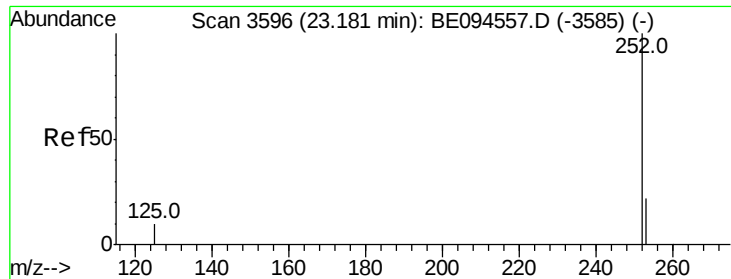
Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

229 24.7 17.7 26.5

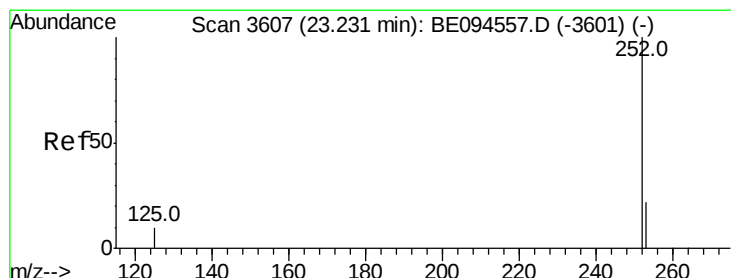
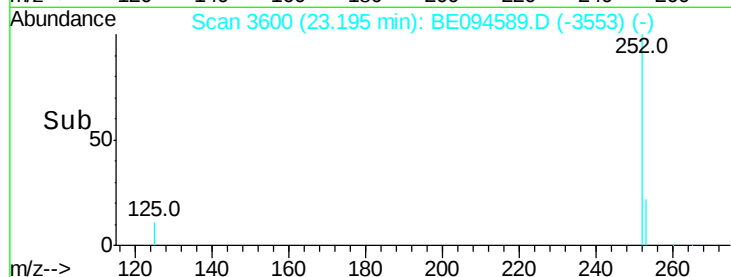
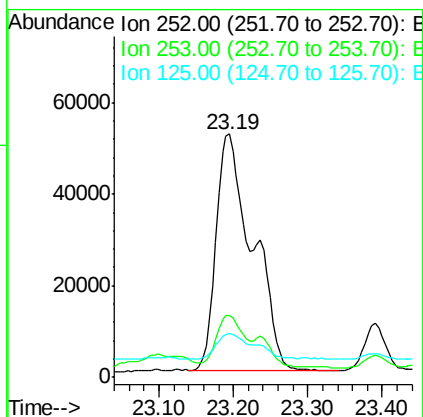
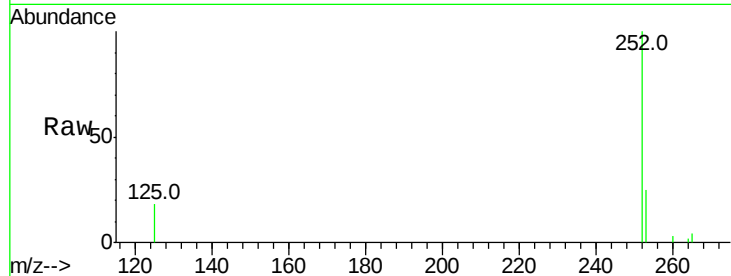




#21
Benzo(b)fluoranthene
Concen: 5.621 ng/u1
RT: 23.19 min Scan# 3600
Delta R.T. 0.01 min
Lab File: BE094589.D
Acq: 27 Oct 2017 10:55

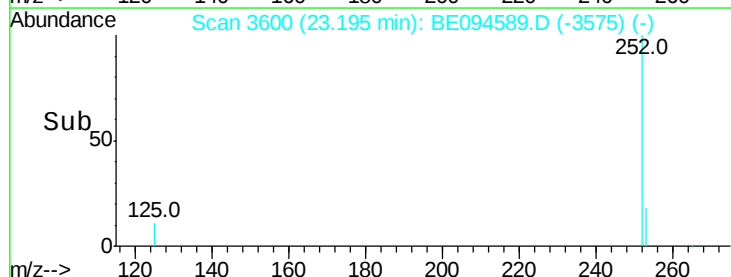
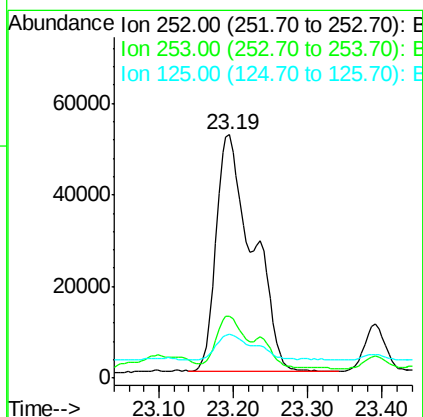
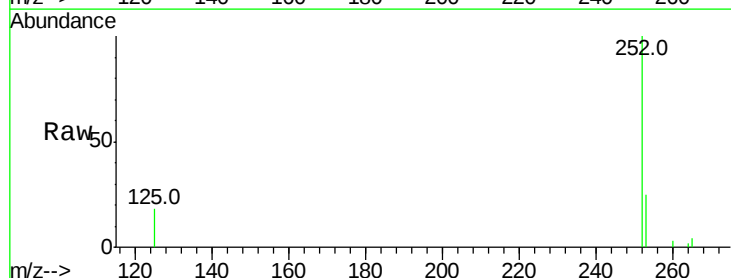
Instrument :
BNA_E
ClientSampleId :

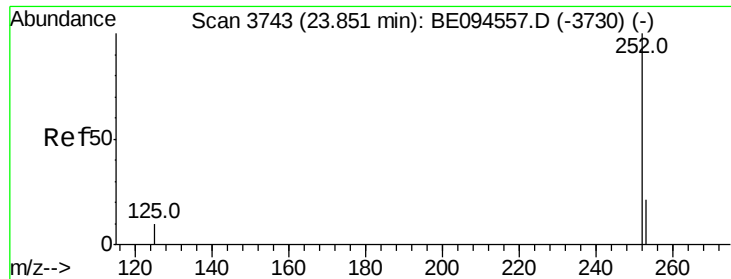
Tot Ion:252 Resp: 175941
Ion Ratio Lower Upper
252 100
253 25.3 0.0 64.2
125 18.2 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 5.212 ng/u1
RT: 23.19 min Scan# 3600
Delta R.T. -0.04 min
Lab File: BE094589.D
Acq: 27 Oct 2017 10:55

Tgt Ion:252 Resp: 174835
Ion Ratio Lower Upper
252 100
253 25.3 24.5 36.7
125 18.2 13.7 20.5





#23

Benzo(a)pyrene

Concen: 3.043 ng/ul

RT: 23.86 min Scan# 3746

Delta R.T. 0.01 min

Lab File: BE094589.D

Acq: 27 Oct 2017 10:55

Instrument :

BNA_E

ClientSampleId :

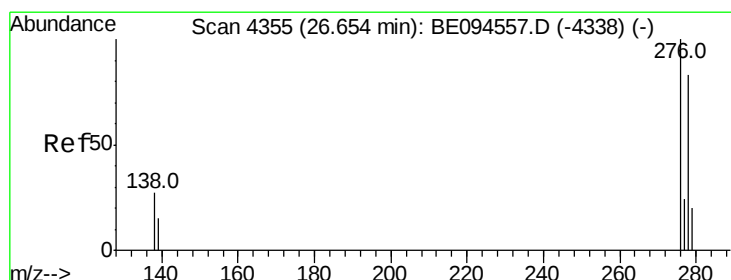
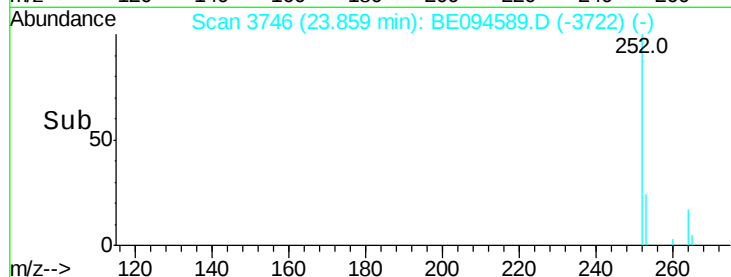
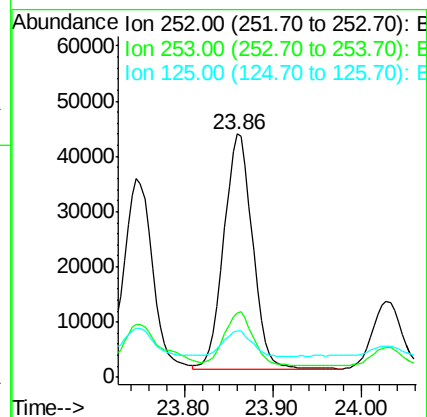
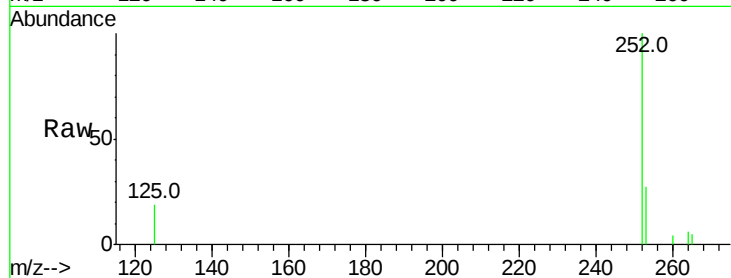
Tot Ion:252 Resp: 95193

Ion Ratio Lower Upper

252 100

253 26.7 28.5 42.7#

125 19.0 18.1 27.1



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.930 ng/ul

RT: 26.69 min Scan# 4364

Delta R.T. 0.04 min

Lab File: BE094589.D

Acq: 27 Oct 2017 10:55

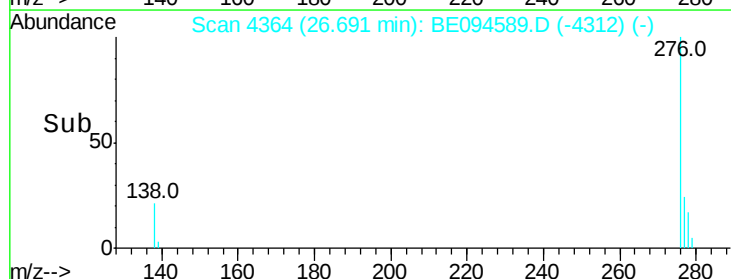
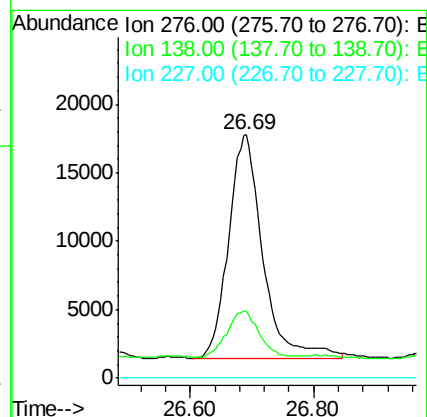
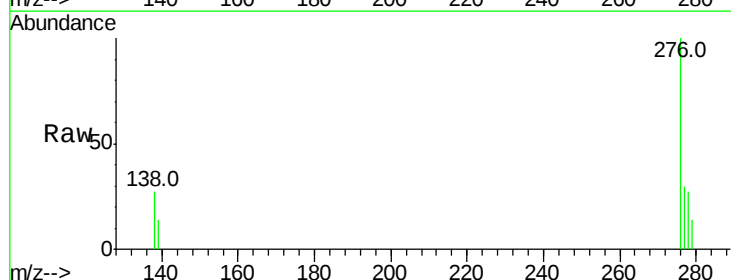
Tgt Ion:276 Resp: 62490

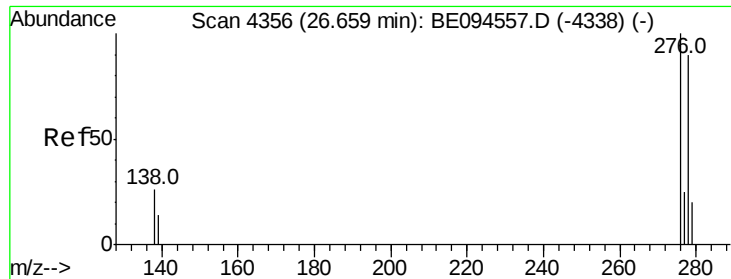
Ion Ratio Lower Upper

276 100

138 19.8 28.0 42.0#

227 0.0 8.0 12.0#





#25

Dibenzo(a,h)anthracene

Concen: 0.604 ng/ul

RT: 26.68 min Scan# 4361

Delta R.T. 0.02 min

Lab File: BE094589.D

Acq: 27 Oct 2017 10:55

Instrument :

BNA_E

ClientSampleId :

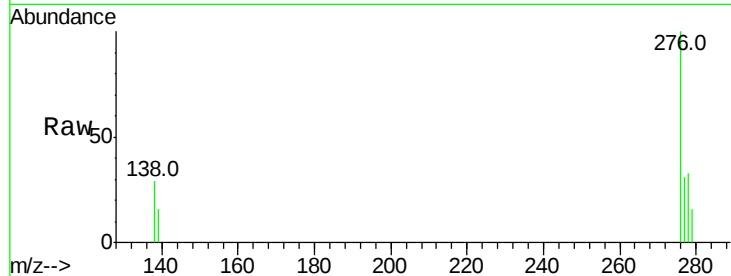
Tot Ion:278 Resp: 16468

Ion Ratio Lower Upper

278 100

139 47.8 17.4 26.0#

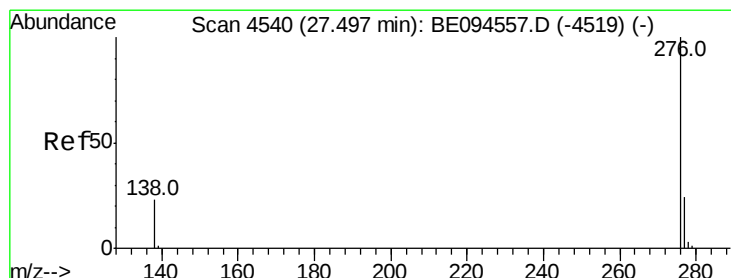
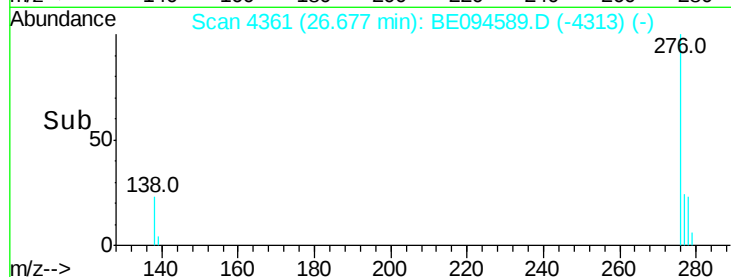
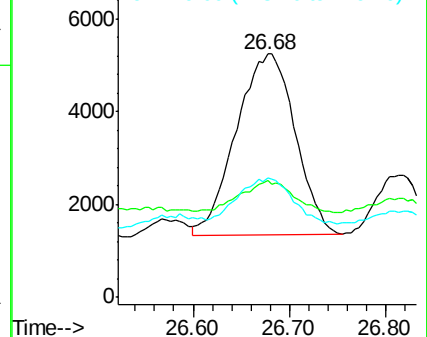
279 49.1 25.9 38.9#



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: 1.952 ng/ul

RT: 27.53 min Scan# 4549

Delta R.T. 0.04 min

Lab File: BE094589.D

Acq: 27 Oct 2017 10:55

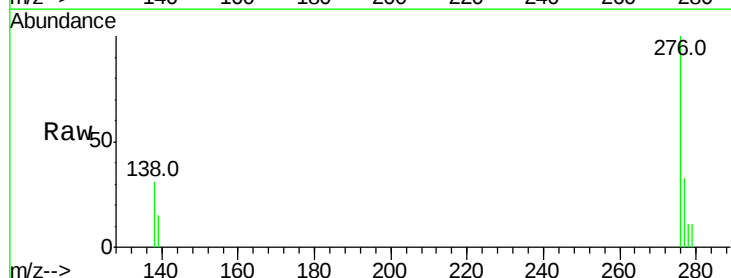
Tgt Ion:276 Resp: 50737

Ion Ratio Lower Upper

276 100

138 31.0 21.8 32.8

277 32.9 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

