

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094705.D
 Acq On : 3 Nov 2017 13:48
 Operator : SJ/JU
 Sample : I5825-02 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-63(0-1)-101117

Quant Time: Nov 03 23:58:50 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 Nov 03 23:54:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1344	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.68	136	7862	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.51	164	4490	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	9359	0.40	ng/ul	-0.04
16) Chrysene-d12	21.42	240	9259	0.40	ng/ul	-0.02
20) Perylene-d12	23.95	264	10383	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	681	0.05	ng/ul	-0.03
14) Fluoranthene-d10	19.27	212	1386	0.05	ng/ul	-0.02

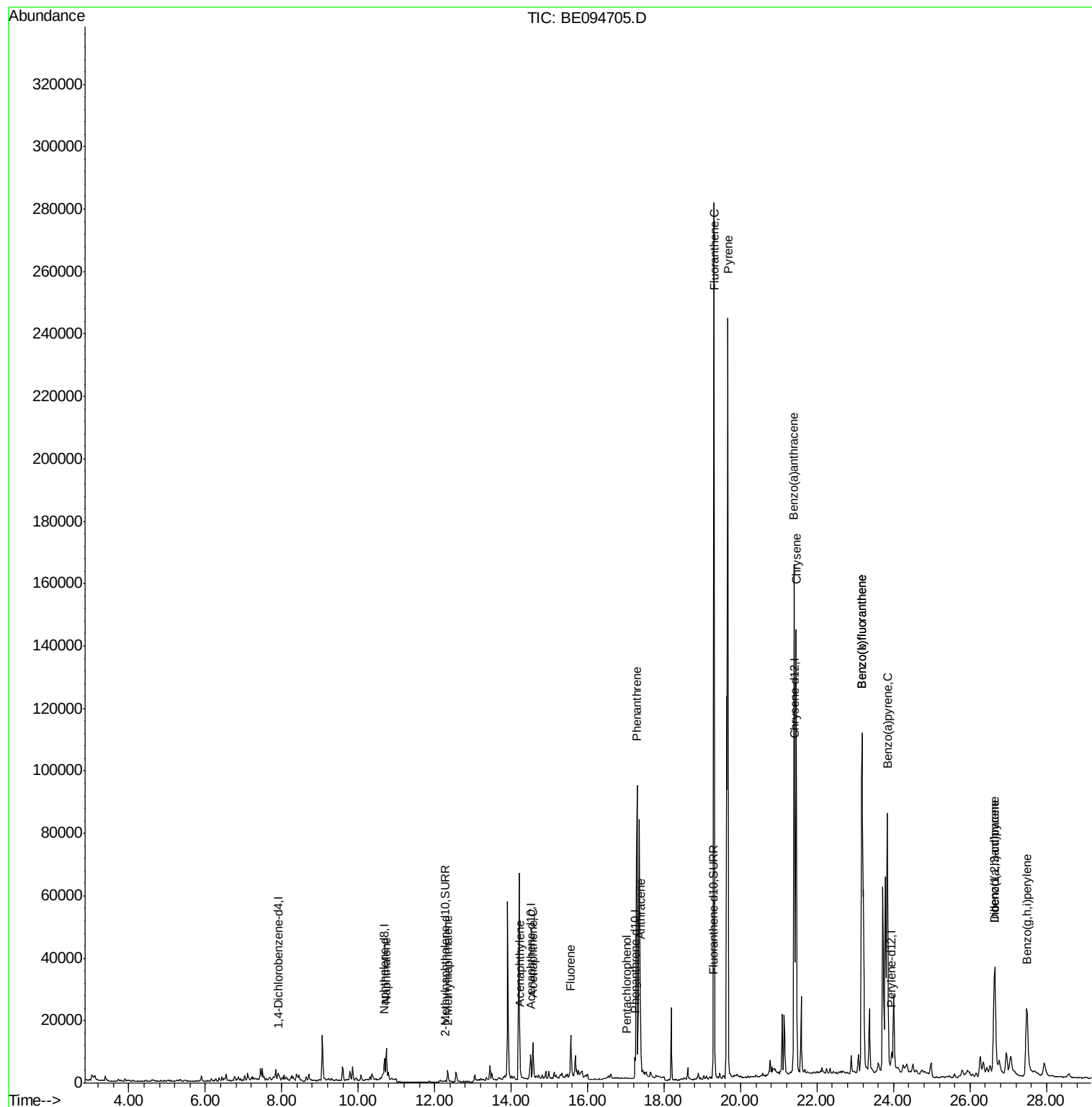
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	17189	0.89	ng/ul#	94
5) 2-Methylnaphthalene	12.34	142	3513	0.26	ng/ul	95
7) Acenaphthylene	14.24	152	4334	0.21	ng/ul#	90
8) Acenaphthene	14.57	153	7768	0.53	ng/ul	98
9) Fluorene	15.56	166	9152	0.56	ng/ul	93
11) Pentachlorophenol	17.03	266	21	0.04	ng/ul#	49
12) Phenanthrene	17.29	178	137906	5.58	ng/ul#	93
13) Anthracene	17.38	178	34815	1.43	ng/ul#	93
15) Fluoranthene	19.30	202	322803	11.29	ng/ul	84
17) Pyrene	19.66	202	281853	9.85	ng/ul#	80
18) Benzo(a)anthracene	21.40	228	152736	5.77	ng/ul#	87
19) Chrysene	21.46	228	146535	5.36	ng/ul	100
21) Benzo(b)fluoranthene	23.17	252	280397	9.60	ng/ul	85
22) Benzo(k)fluoranthene	23.17	252	280397	8.96	ng/ul#	87
23) Benzo(a)pyrene	23.84	252	138665	4.75	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.65	276	81415	2.69	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.64	278	17987	0.71	ng/ul	95
26) Benzo(g,h,i)perylene	27.48	276	66557	2.74	ng/ul	97

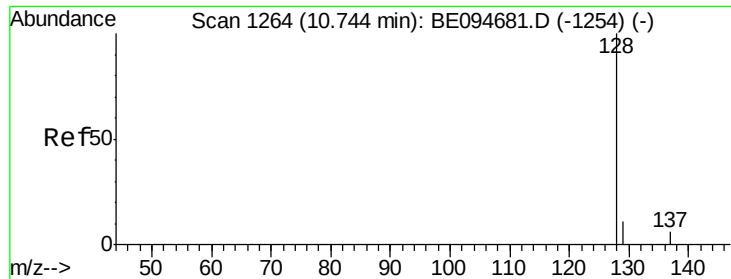
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.89 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BE094705.D

Acq: 3 Nov 2017 13:48

Instrument :

BNA_E

ClientSampleId :

B-63(0-1)-101117

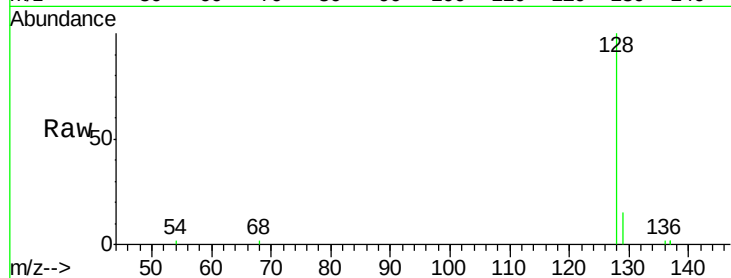
Tot Ion:128 Resp: 17189

Ion Ratio Lower Upper

128 100

129 15.1 11.3 16.9

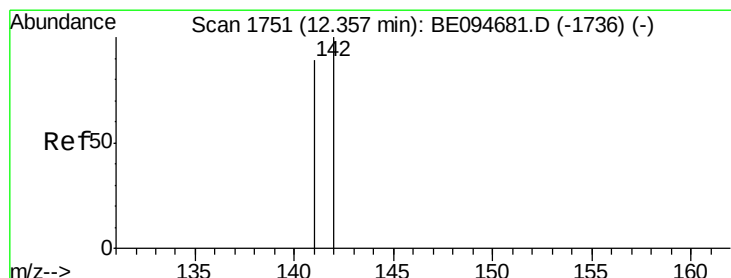
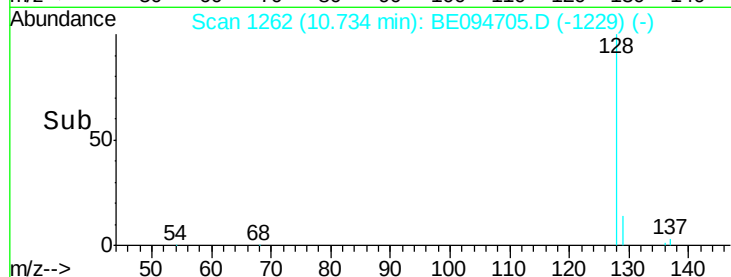
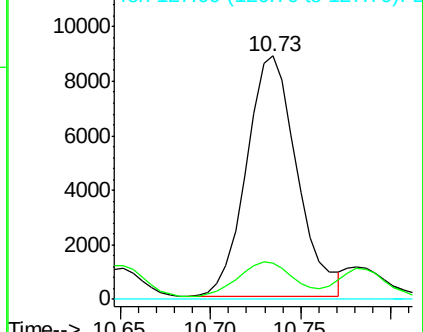
127 0.0 4.0 6.0#



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: 0.26 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.03 min

Lab File: BE094705.D

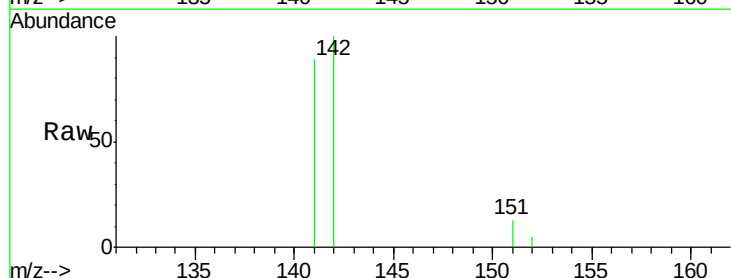
Acq: 3 Nov 2017 13:48

Tgt Ion:142 Resp: 3513

Ion Ratio Lower Upper

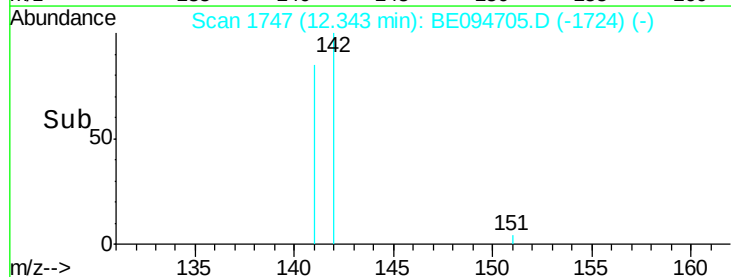
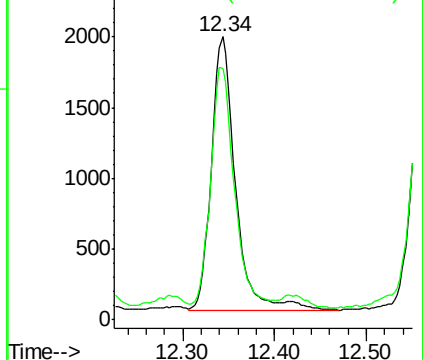
142 100

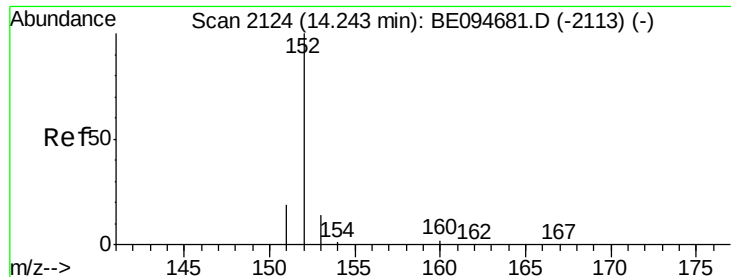
141 86.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.21 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094705.D

Acq: 3 Nov 2017 13:48

Instrument :

BNA_E

ClientSampleId :

B-63(0-1)-101117

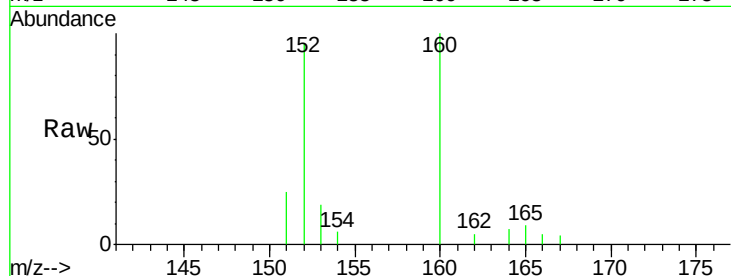
Tot Ion:152 Resp: 4334

Ion Ratio Lower Upper

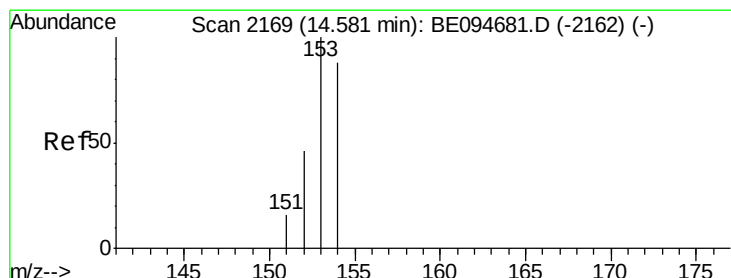
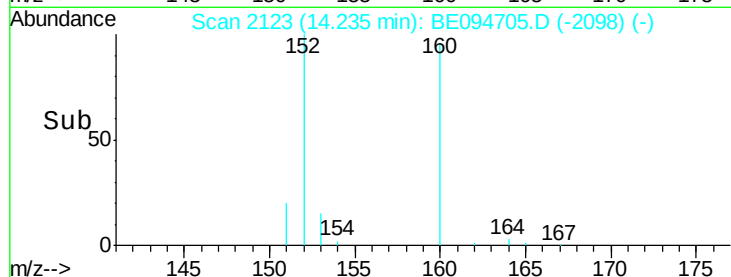
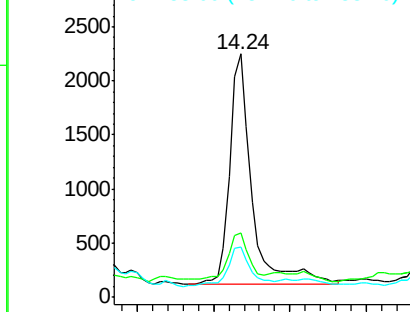
152 100

151 26.2 17.1 25.7#

153 20.5 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: 0.53 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094705.D

Acq: 3 Nov 2017 13:48

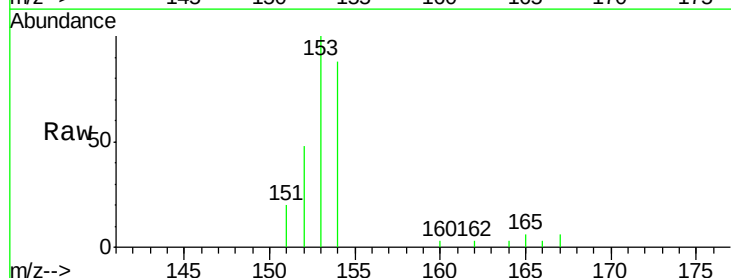
Tgt Ion:153 Resp: 7768

Ion Ratio Lower Upper

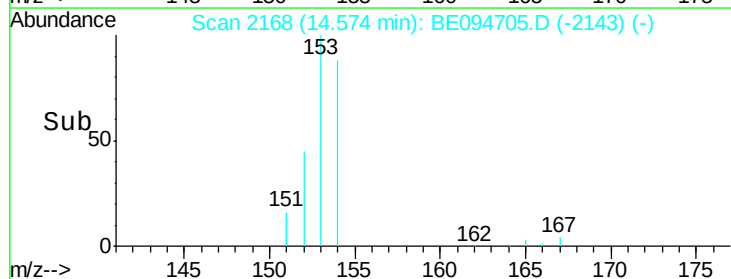
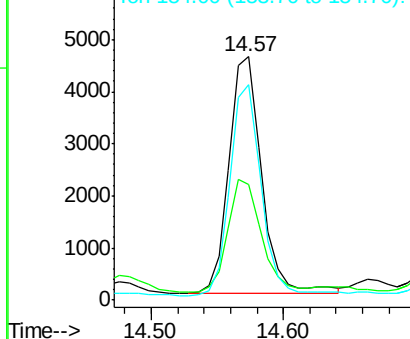
153 100

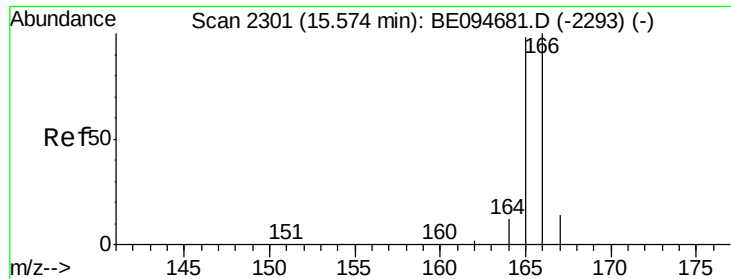
152 47.6 36.0 54.0

154 88.5 72.0 108.0



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

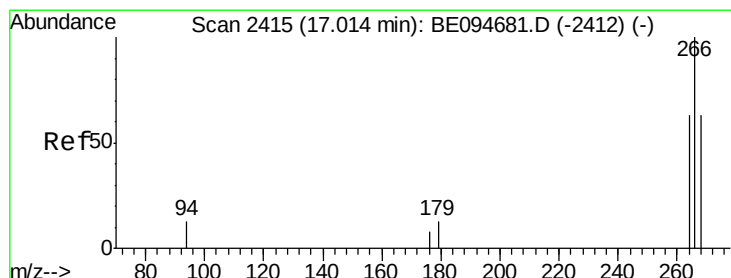
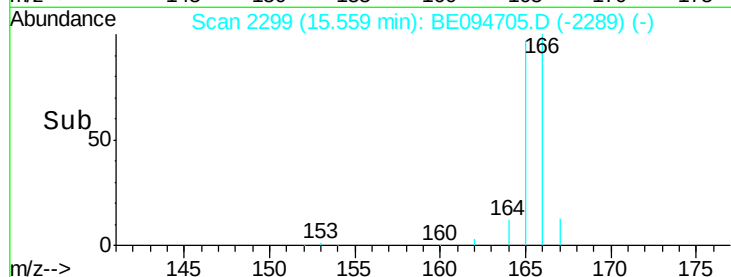
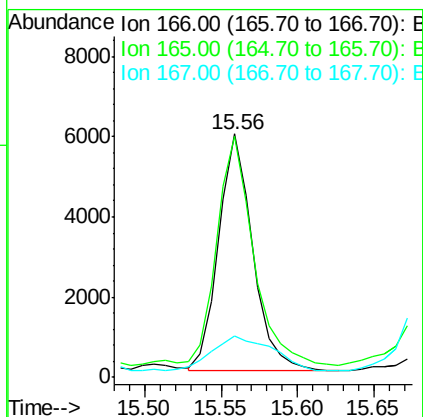
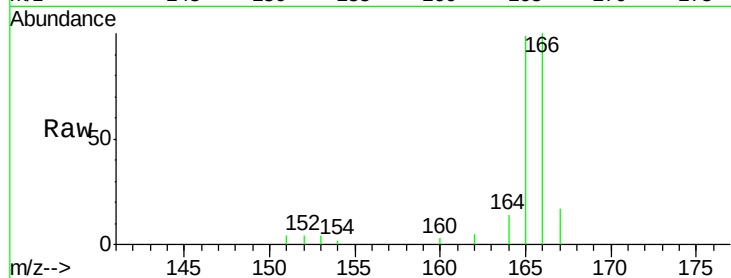




#9
Fluorene
 Concen: 0.56 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094705.D
 Acq: 3 Nov 2017 13:48

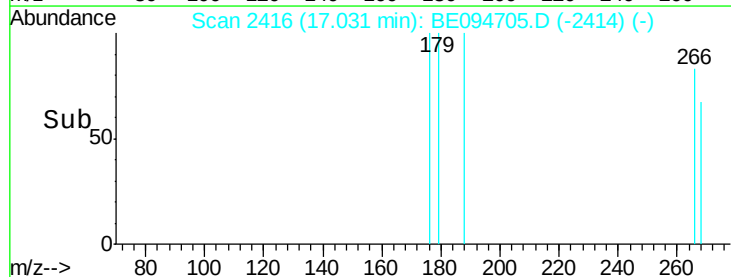
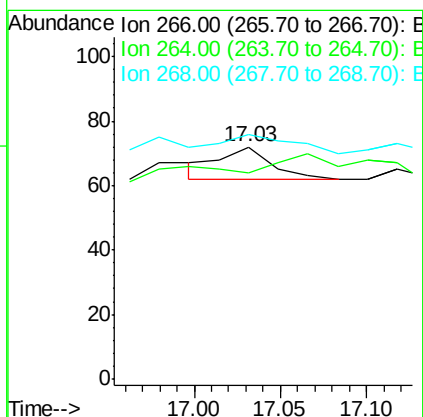
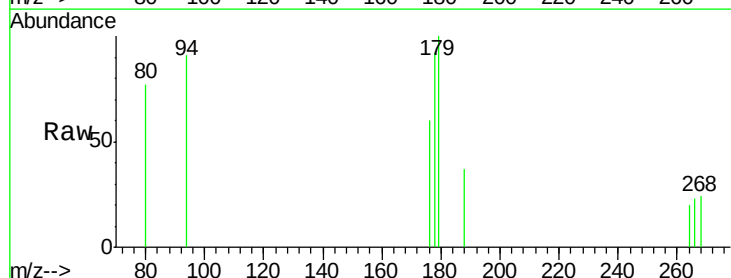
Instrument :
 BNA_E
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 B-63(0-1)-101117

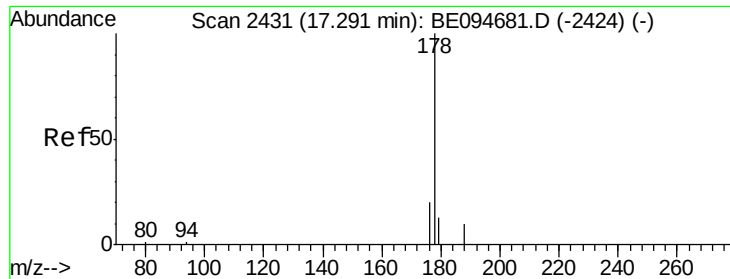
Tot Ion:166 Resp: 9152
 Ion Ratio Lower Upper
 166 100
 165 99.3 73.4 110.2
 167 17.1 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.04 ng/ul
 RT: 17.03 min Scan# 2416
 Delta R.T. -0.07 min
 Lab File: BE094705.D
 Acq: 3 Nov 2017 13:48

Tgt Ion:266 Resp: 21
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 81.0 49.8 74.8#





#12

Phenanthrene

Concen: 5.58 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094705.D

Acq: 3 Nov 2017 13:48

Instrument :

BNA_E

ClientSampleId :

B-63(0-1)-101117

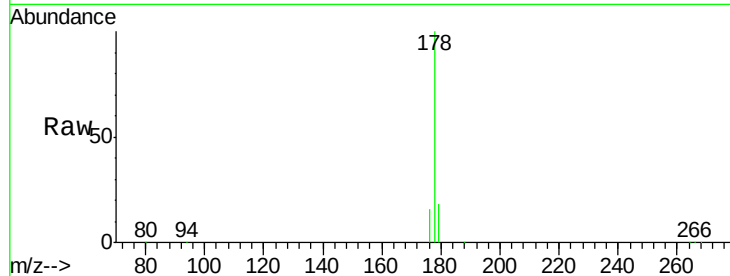
Tot Ion:178 Resp: 137906

Ion Ratio Lower Upper

178 100

179 17.8 18.4 27.6#

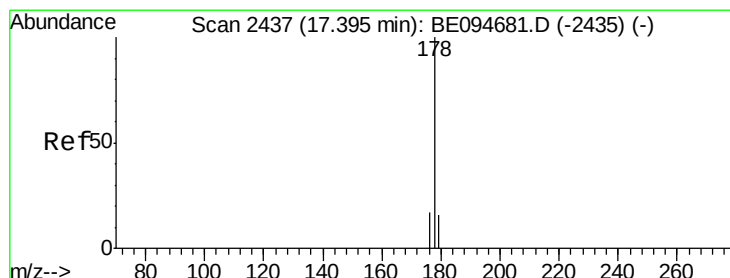
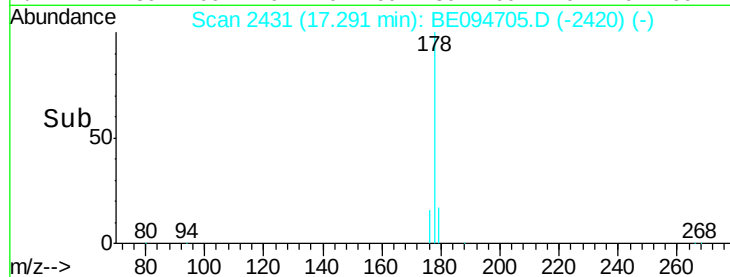
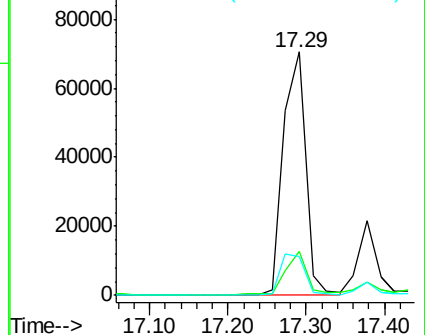
176 16.1 13.6 20.4



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: 1.43 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.04 min

Lab File: BE094705.D

Acq: 3 Nov 2017 13:48

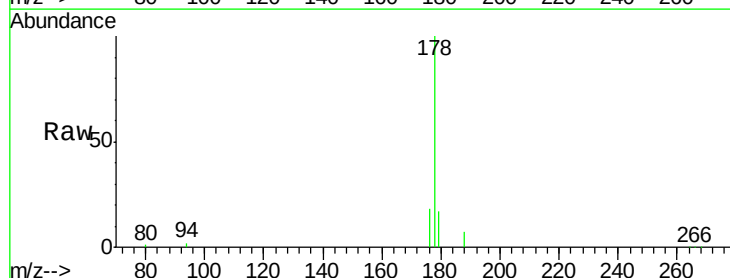
Tgt Ion:178 Resp: 34815

Ion Ratio Lower Upper

178 100

179 17.2 18.1 27.1#

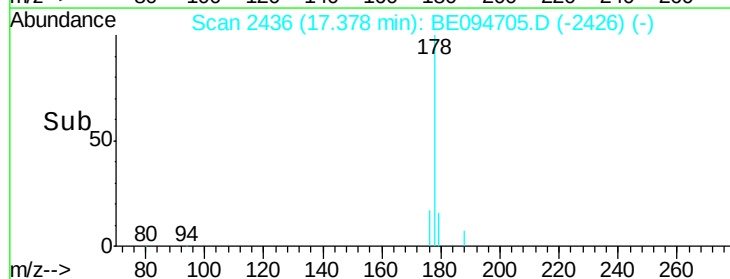
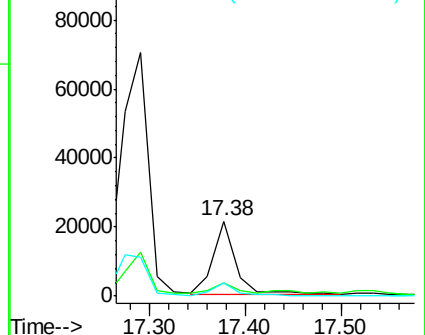
176 18.0 14.7 22.1

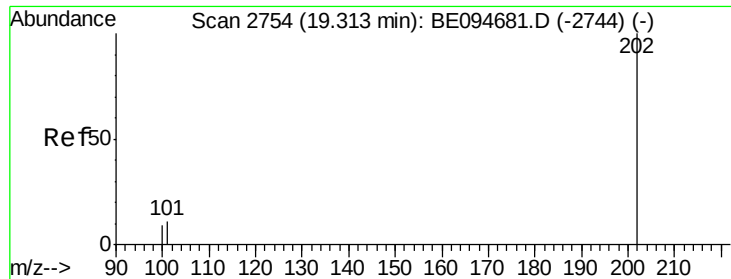


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 11.29 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.02 min

Lab File: BE094705.D

Acq: 3 Nov 2017 13:48

Instrument :

BNA_E

ClientSampleId :

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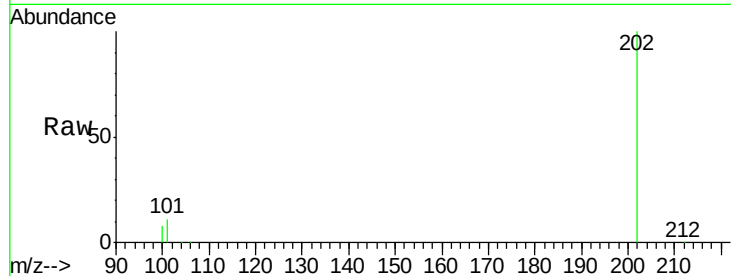
Tot Ion:202 Resp: 322803

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.3

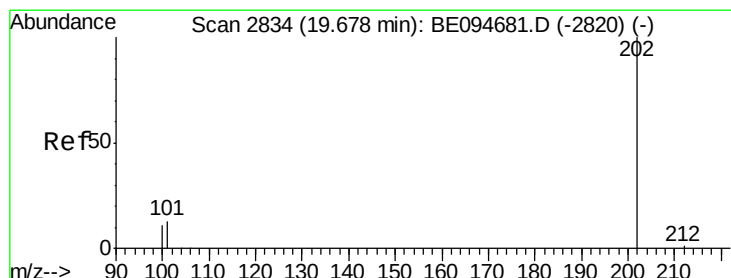
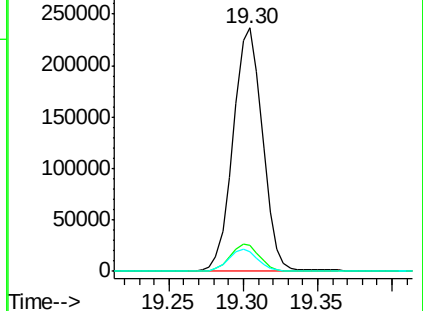
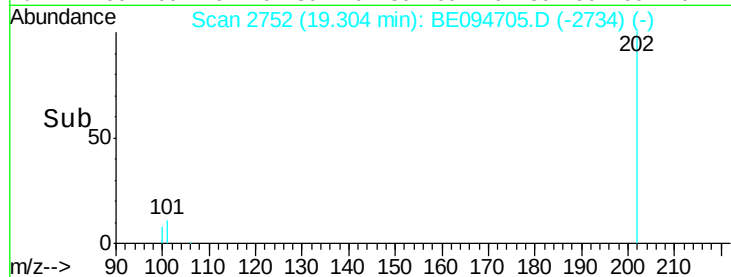
100 8.3 0.0 39.5



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: 9.85 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. -0.02 min

Lab File: BE094705.D

Acq: 3 Nov 2017 13:48

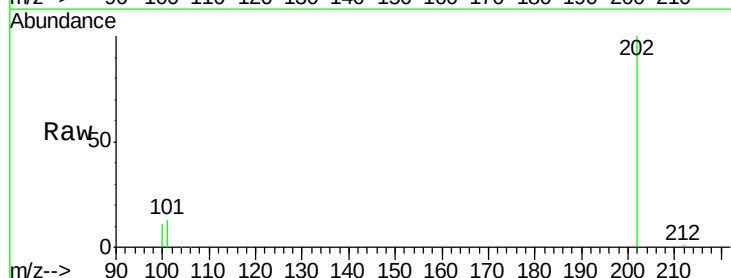
Tgt Ion:202 Resp: 281853

Ion Ratio Lower Upper

202 100

101 12.9 18.2 27.4#

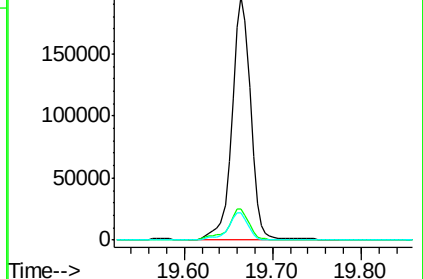
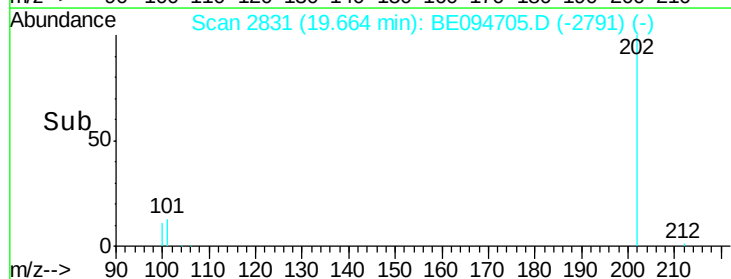
100 11.0 15.6 23.4#

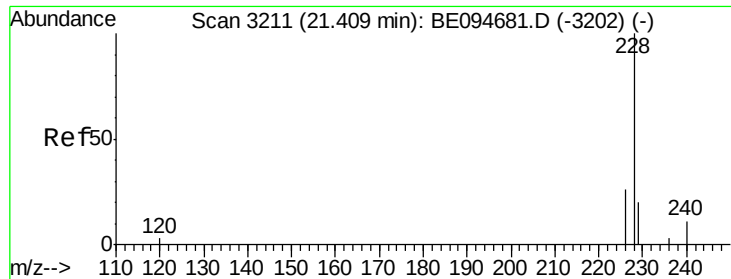


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

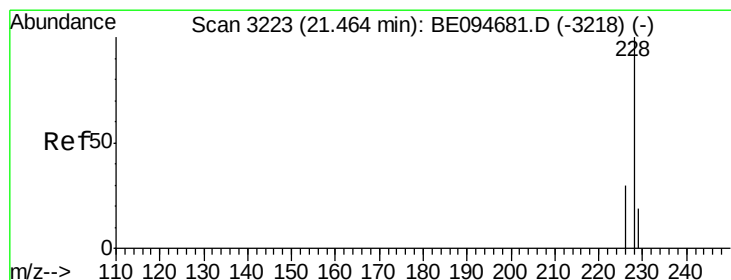
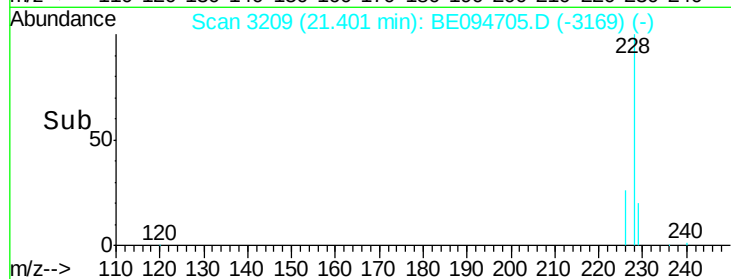
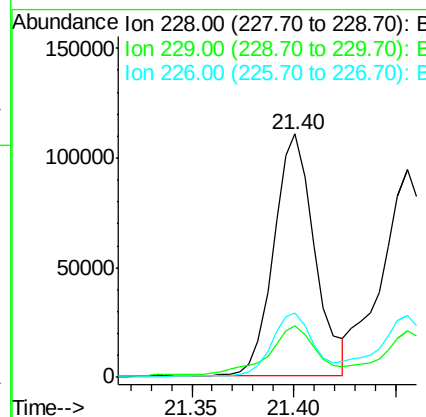
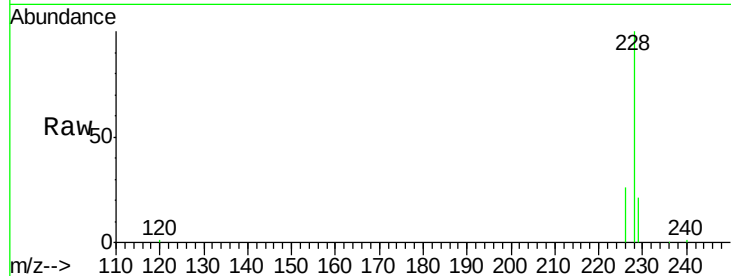




#18
Benzo(a)anthracene
Concen: 5.77 ng/ul
RT: 21.40 min Scan# 3209
Delta R.T. -0.02 min
Lab File: BE094705.D
Acq: 3 Nov 2017 13:48

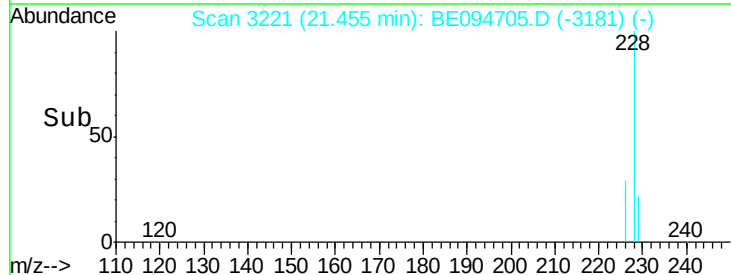
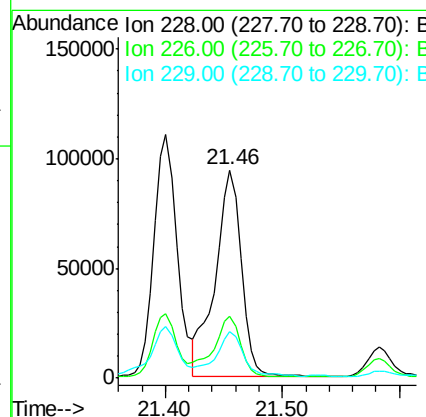
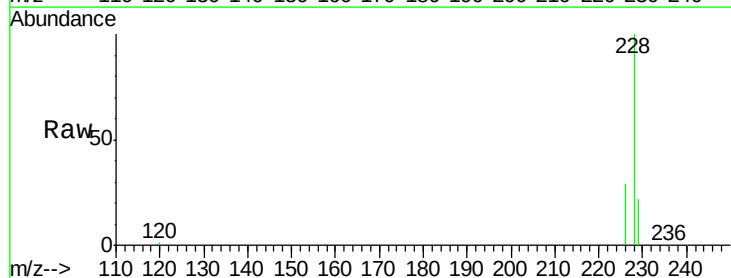
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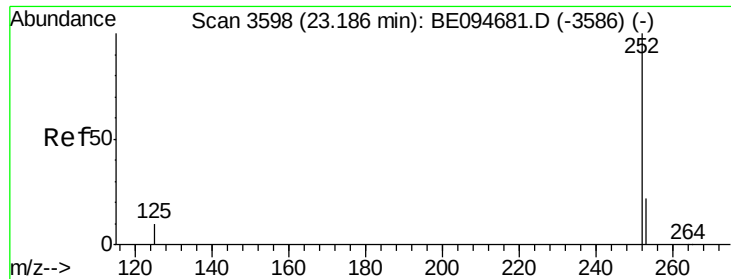
Tot Ion:228 Resp: 152736
Ion Ratio Lower Upper
228 100
229 21.0 22.8 34.2#
226 26.2 17.0 25.6#



#19
Chrysene
Concen: 5.36 ng/ul
RT: 21.46 min Scan# 3221
Delta R.T. -0.02 min
Lab File: BE094705.D
Acq: 3 Nov 2017 13:48

Tgt Ion:228 Resp: 146535
Ion Ratio Lower Upper
228 100
226 29.5 23.4 35.0
229 22.3 17.7 26.5

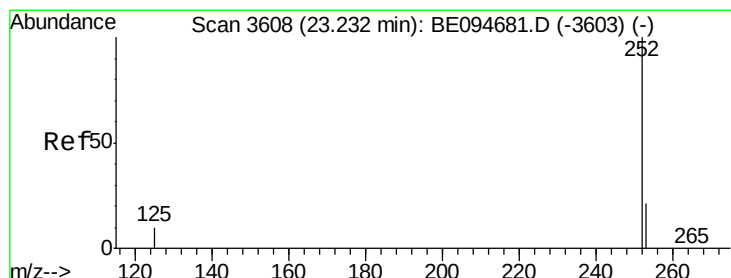
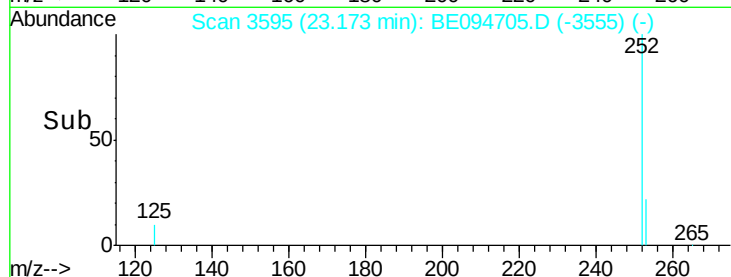
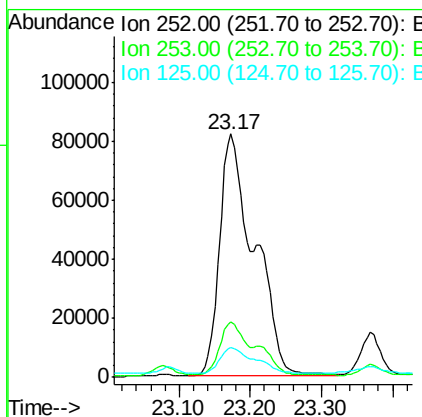
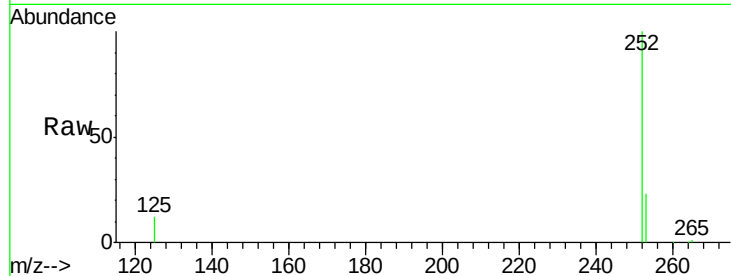




#21
Benzo(b)fluoranthene
Concen: 9.60 ng/ul
RT: 23.17 min Scan# 3595
Delta R.T. -0.02 min
Lab File: BE094705.D
Acq: 3 Nov 2017 13:48

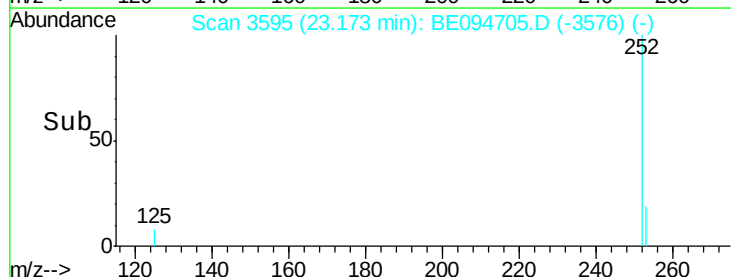
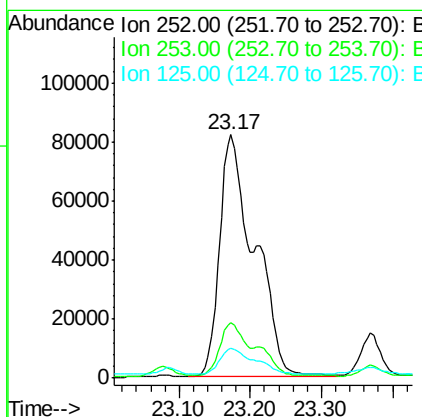
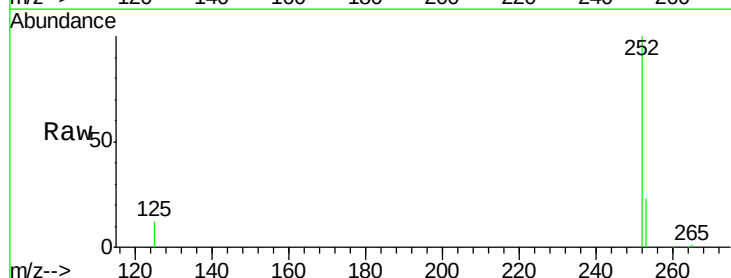
Instrument :
BNA_E
ClientSampleId :
B-63(0-1)-101117

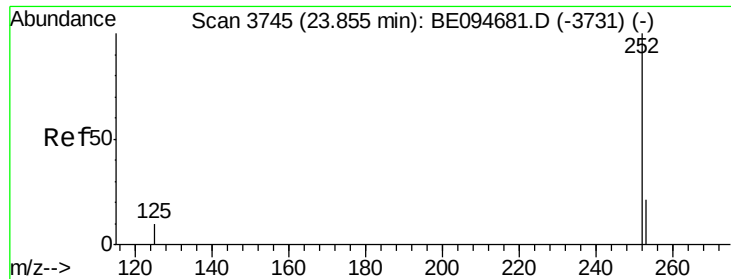
Tot Ion:252 Resp: 280397
Ion Ratio Lower Upper
252 100
253 22.7 0.0 64.2
125 12.1 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 8.96 ng/ul
RT: 23.17 min Scan# 3595
Delta R.T. -0.06 min
Lab File: BE094705.D
Acq: 3 Nov 2017 13:48

Tgt Ion:252 Resp: 280397
Ion Ratio Lower Upper
252 100
253 22.7 24.5 36.7#
125 12.1 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 4.75 ng/ul

RT: 23.84 min Scan# 3741

Delta R.T. -0.02 min

Lab File: BE094705.D

Acq: 3 Nov 2017 13:48

Instrument :

BNA_E

ClientSampleId :

B-63(0-1)-101117

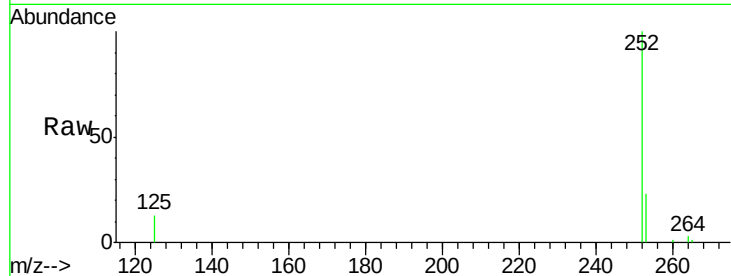
Tot Ion:252 Resp: 138665

Ion Ratio Lower Upper

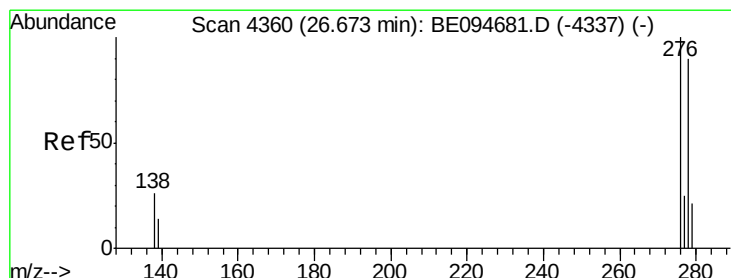
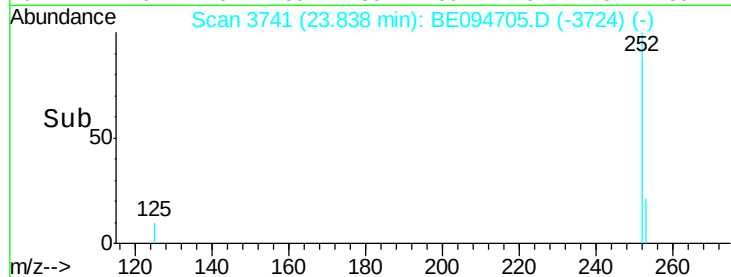
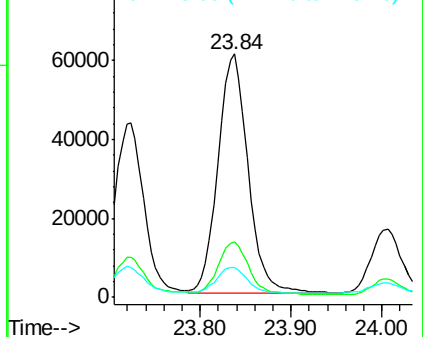
252 100

253 22.8 28.5 42.7#

125 12.5 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: 2.69 ng/ul

RT: 26.65 min Scan# 4354

Delta R.T. -0.04 min

Lab File: BE094705.D

Acq: 3 Nov 2017 13:48

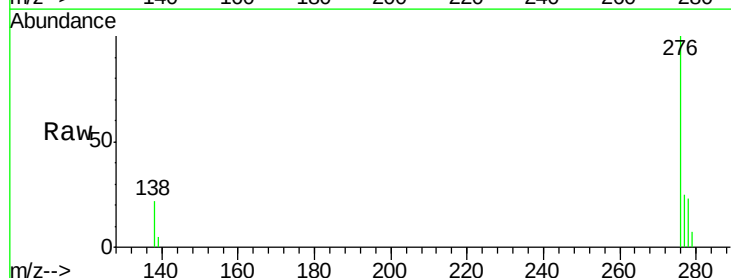
Tgt Ion:276 Resp: 81415

Ion Ratio Lower Upper

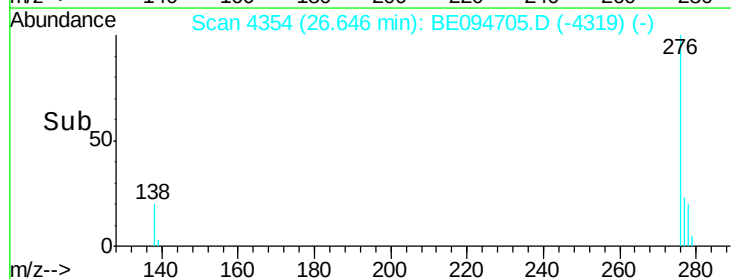
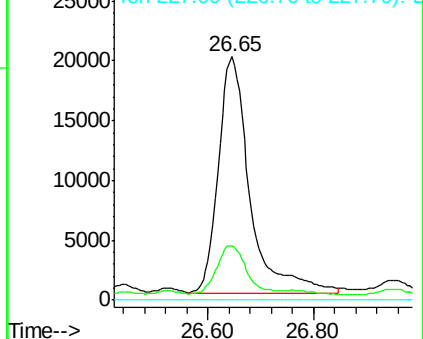
276 100

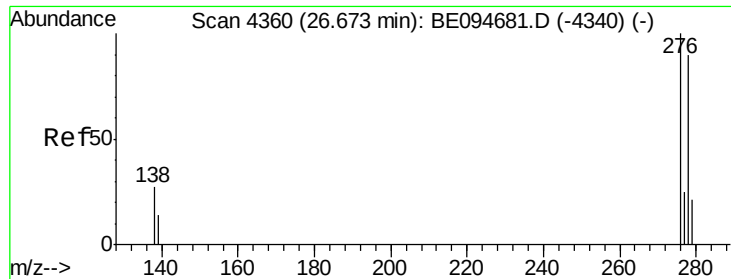
138 21.0 28.0 42.0#

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: 0.71 ng/ul

RT: 26.64 min Scan# 4352

Delta R.T. -0.04 min

Lab File: BE094705.D

Acq: 3 Nov 2017 13:48

Instrument :

BNA_E

ClientSampleId :

B-63(0-1)-101117

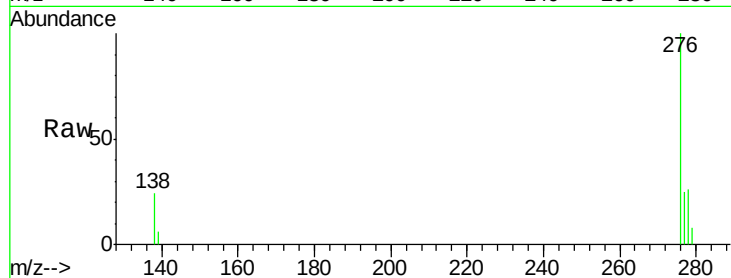
Tot Ion:278 Resp: 17987

Ion Ratio Lower Upper

278 100

139 23.2 17.4 26.0

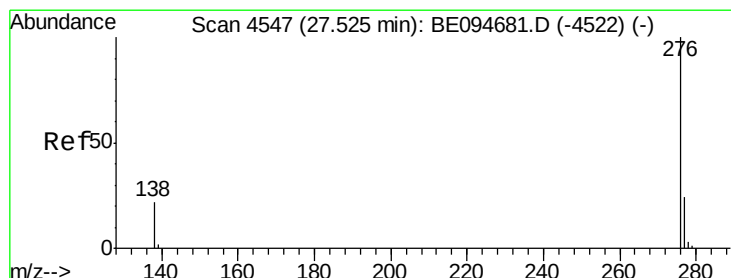
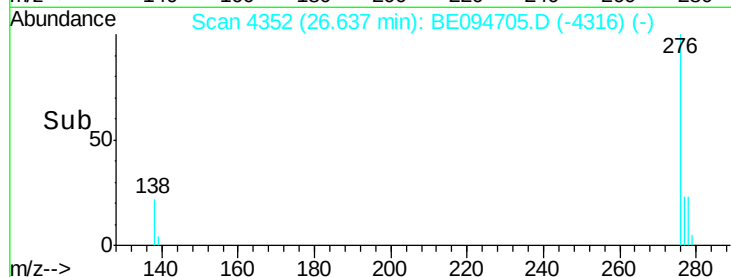
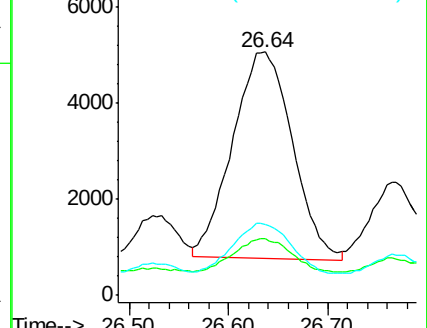
279 28.9 25.9 38.9



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: 2.74 ng/ul

RT: 27.48 min Scan# 4538

Delta R.T. -0.03 min

Lab File: BE094705.D

Acq: 3 Nov 2017 13:48

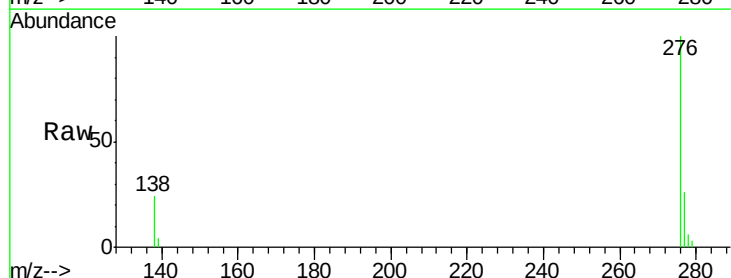
Tgt Ion:276 Resp: 66557

Ion Ratio Lower Upper

276 100

138 24.3 21.8 32.8

277 25.7 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

