

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094564.D
 Acq On : 26 Oct 2017 16:13
 Operator : SJ/JU
 Sample : I5719-15 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 07:40:52 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

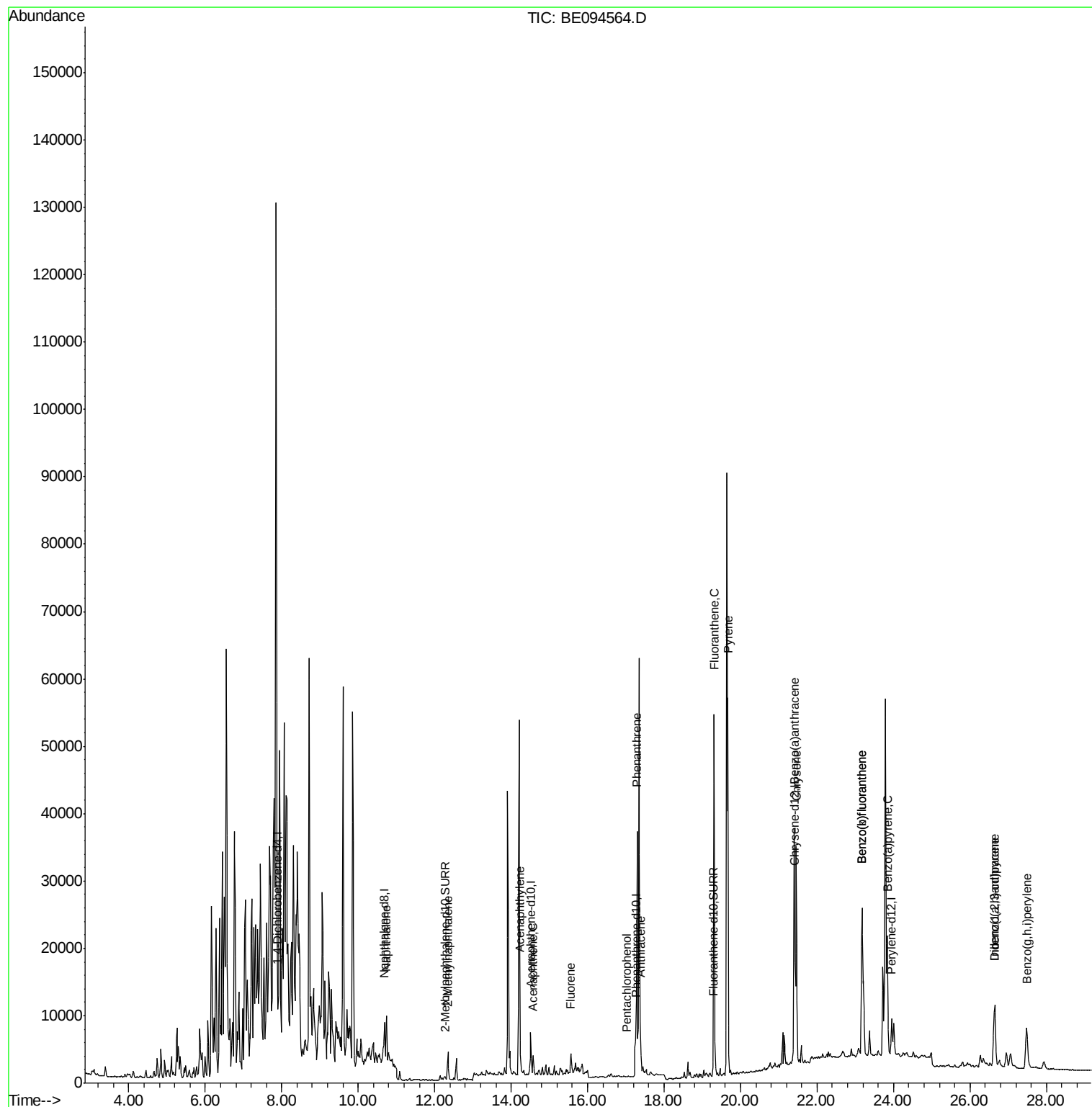
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1318	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	6680	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	3877	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8427	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	8411	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	8700	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	670	0.06	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	1190	0.05	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	12428	0.761	ng/ul#	89
5) 2-Methylnaphthalene	12.34	142	3677	0.322	ng/ul	97
7) Acenaphthylene	14.23	152	2191	0.125	ng/ul#	73
8) Acenaphthene	14.57	153	1852	0.147	ng/ul	91
9) Fluorene	15.57	166	2171	0.153	ng/ul#	88
11) Pentachlorophenol	17.03	266	17	0.040	ng/ul#	39
12) Phenanthrene	17.29	178	41960	1.885	ng/ul#	92
13) Anthracene	17.38	178	7780	0.354	ng/ul	93
15) Fluoranthene	19.31	202	65505	2.546	ng/ul	84
17) Pyrene	19.67	202	62196	2.392	ng/ul#	81
18) Benzo(a)anthracene	21.40	228	32784	1.363	ng/ul#	89
19) Chrysene	21.46	228	35265	1.419	ng/ul	96
21) Benzo(b)fluoranthene	23.18	252	54234	2.216	ng/ul	89
22) Benzo(k)fluoranthene	23.18	252	54234	2.068	ng/ul	91
23) Benzo(a)pyrene	23.84	252	27899	1.140	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	26.65	276	18544	0.733	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.64	278	5180	0.243	ng/ul#	62
26) Benzo(g,h,i)perylene	27.48	276	16496	0.812	ng/ul	94

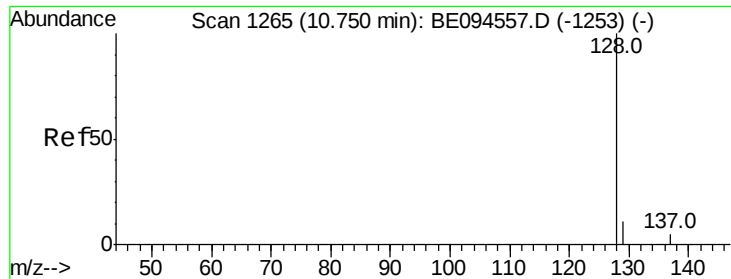
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
Data File : BE094564.D
Acq On : 26 Oct 2017 16:13
Operator : SJ/JU
Sample : I5719-15 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Oct 27 07:40:52 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





#3

Naphthalene

Concen: 0.761 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

Instrument :

BNA_E

ClientSampleId :

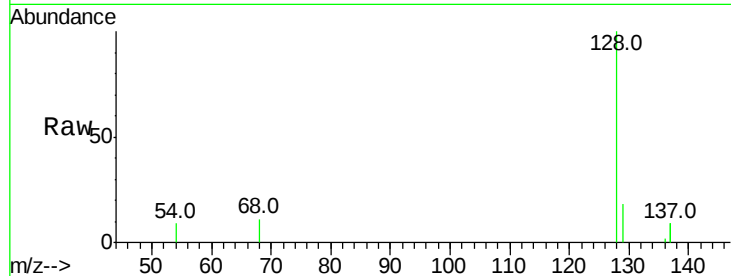
Tot Ion:128 Resp: 12428

Ion Ratio Lower Upper

128 100

129 18.2 11.3 16.9#

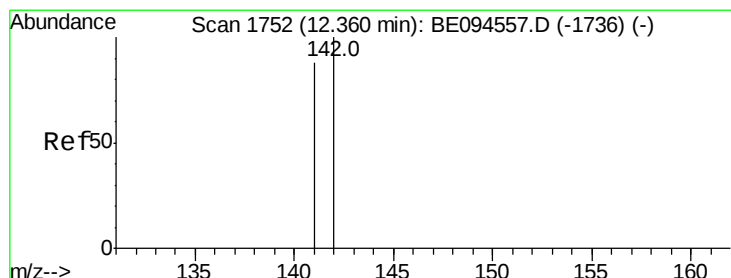
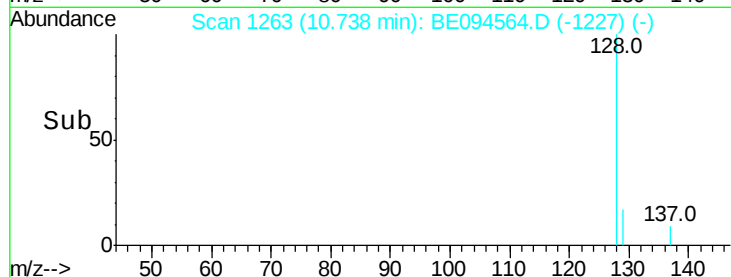
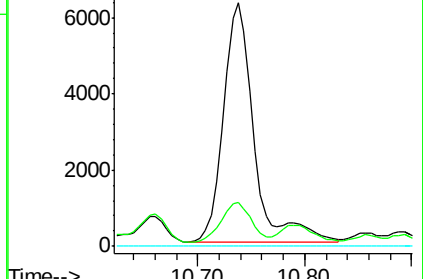
127 0.0 4.0 6.0#



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: 0.322 ng/ul

RT: 12.34 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094564.D

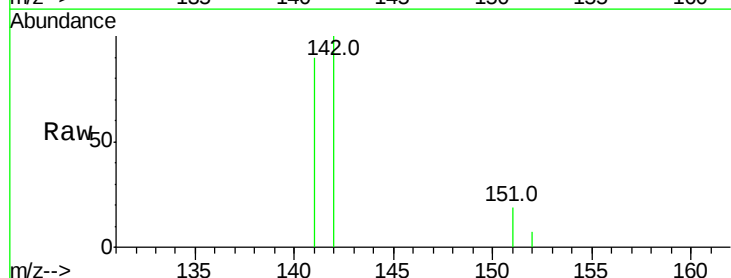
Acq: 26 Oct 2017 16:13

Tgt Ion:142 Resp: 3677

Ion Ratio Lower Upper

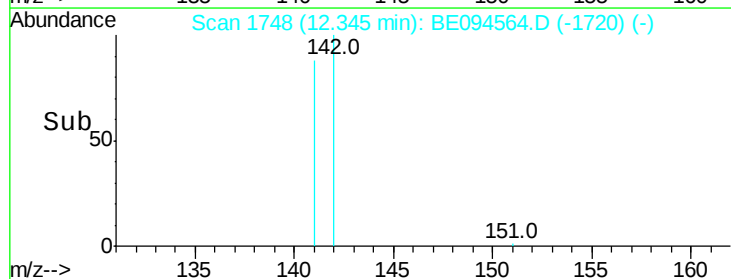
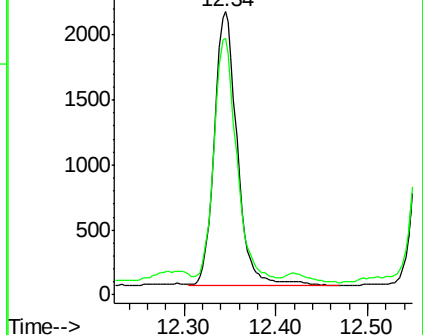
142 100

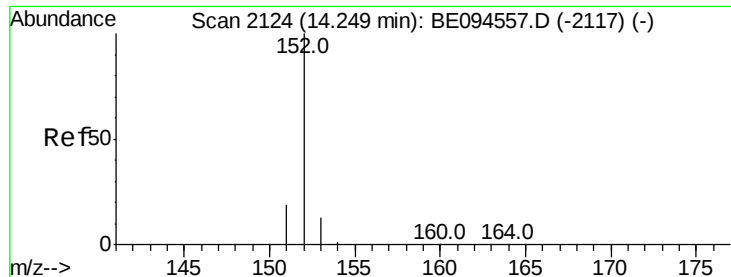
141 88.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.125 ng/ul

RT: 14.23 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

Instrument :

BNA_E

ClientSampleId :

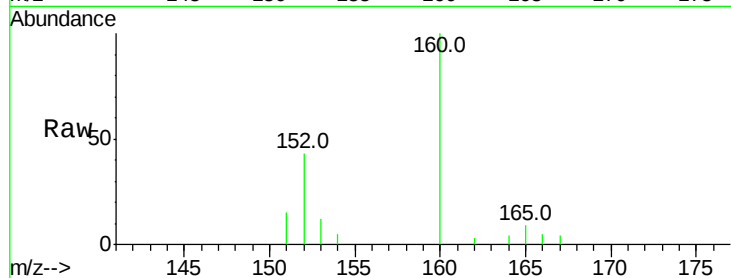
Tot Ion:152 Resp: 2191

Ion Ratio Lower Upper

152 100

151 33.8 17.1 25.7#

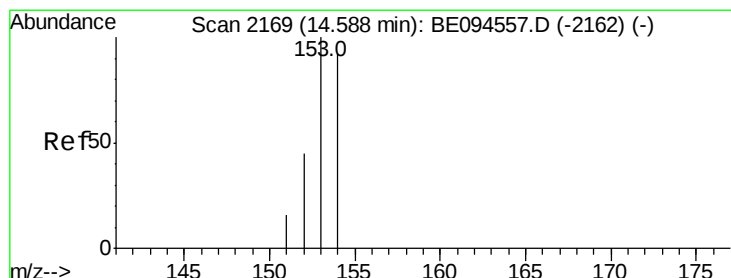
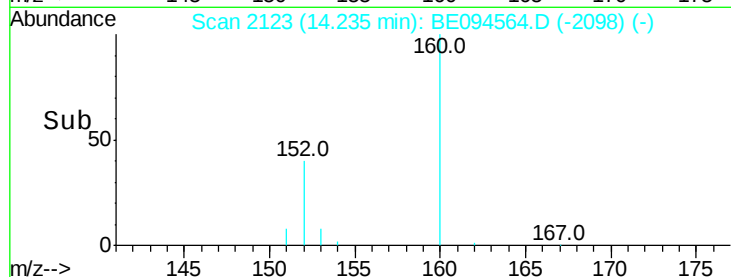
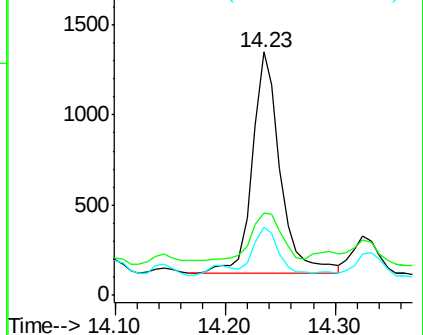
153 27.8 12.8 19.2#



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: 0.147 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

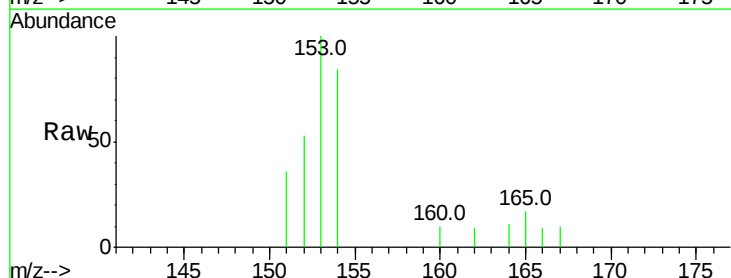
Tgt Ion:153 Resp: 1852

Ion Ratio Lower Upper

153 100

152 53.4 36.0 54.0

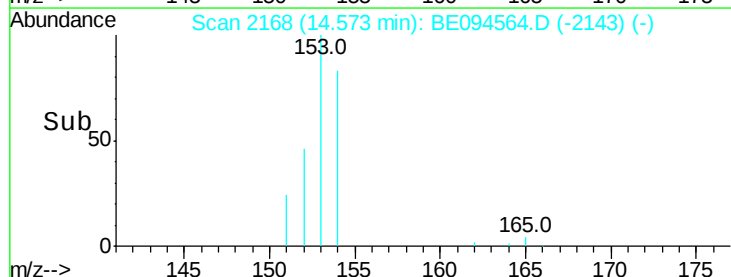
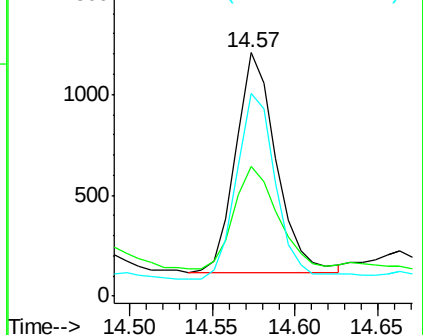
154 83.5 72.0 108.0

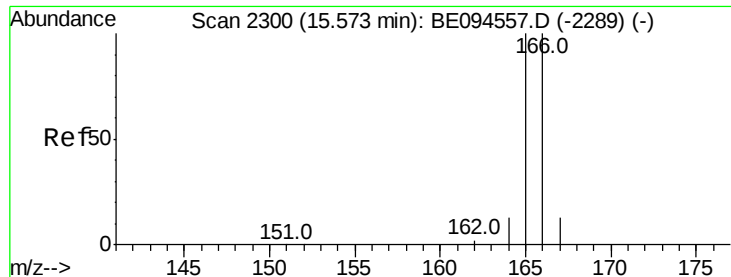


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.153 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

Instrument :

BNA_E

ClientSampleId :

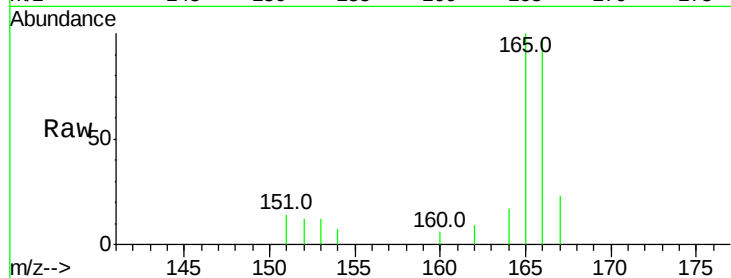
Tot Ion:166 Resp: 2171

Ion Ratio Lower Upper

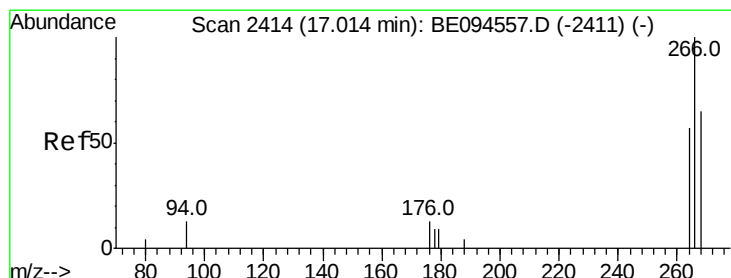
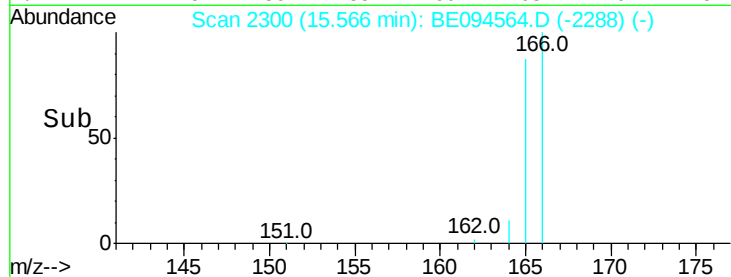
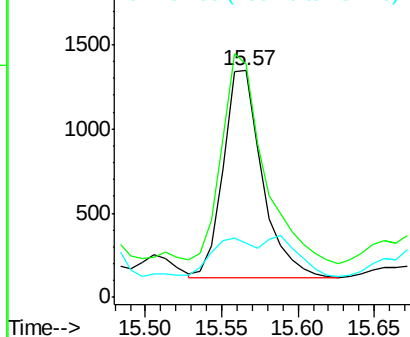
166 100

165 103.0 73.4 110.2

167 23.7 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.040 ng/ul

RT: 17.03 min Scan# 2416

Delta R.T. 0.02 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

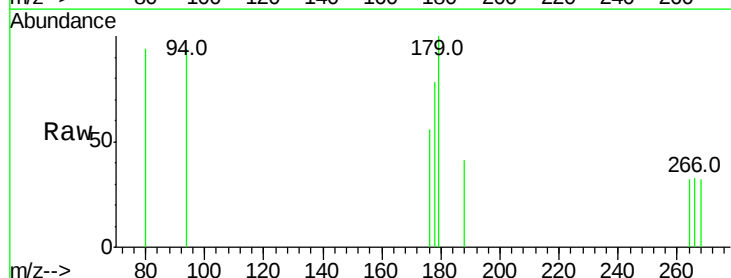
Tgt Ion:266 Resp: 17

Ion Ratio Lower Upper

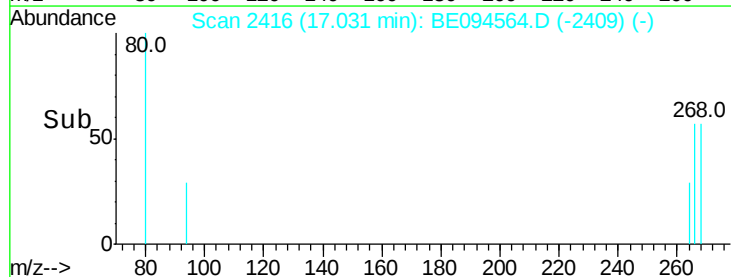
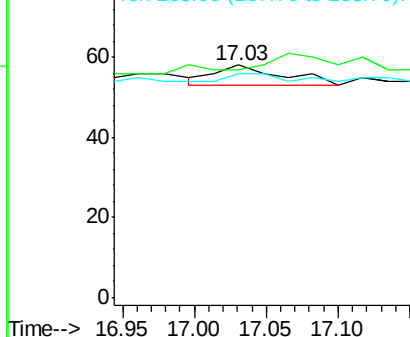
266 100

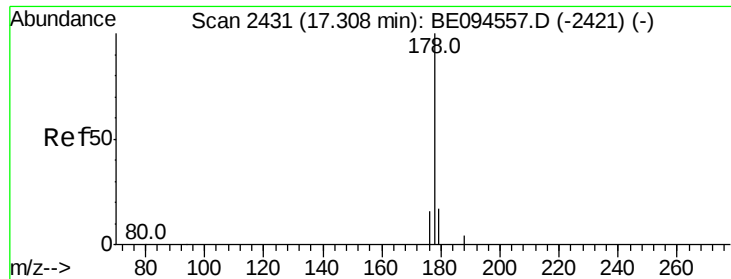
264 0.0 47.9 71.9#

268 29.4 49.8 74.8#



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.885 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

Instrument :

BNA_E

ClientSampleId :

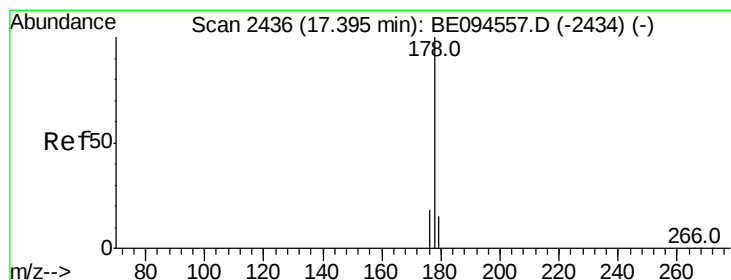
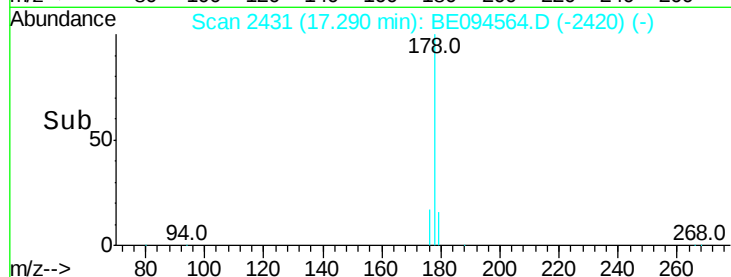
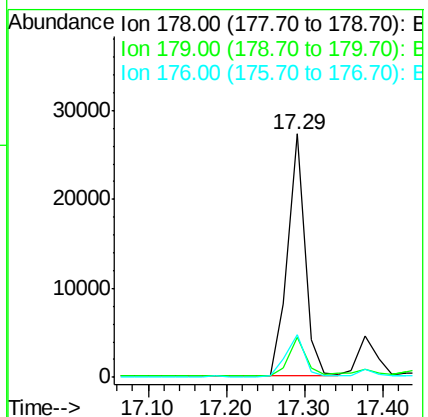
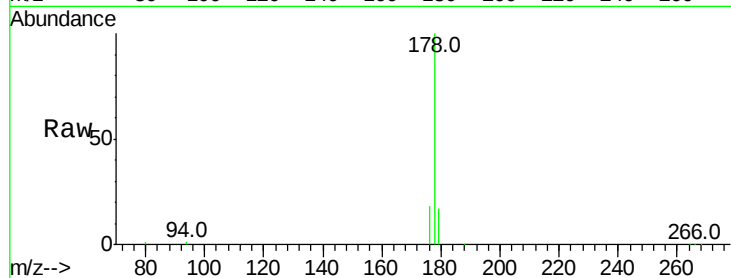
Tot Ion:178 Resp: 41960

Ion Ratio Lower Upper

178 100

179 16.5 18.4 27.6#

176 17.7 13.6 20.4



#13

Anthracene

Concen: 0.354 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

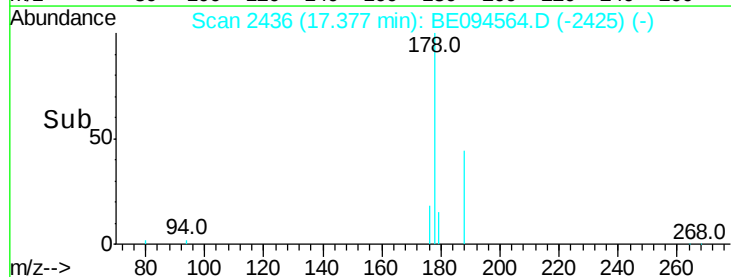
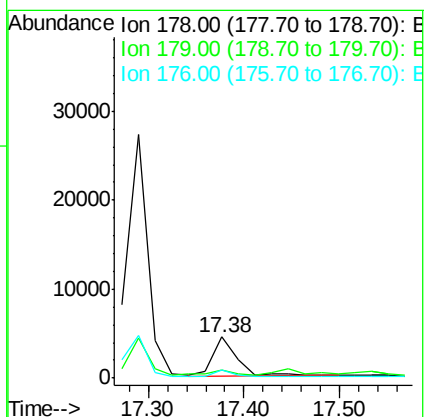
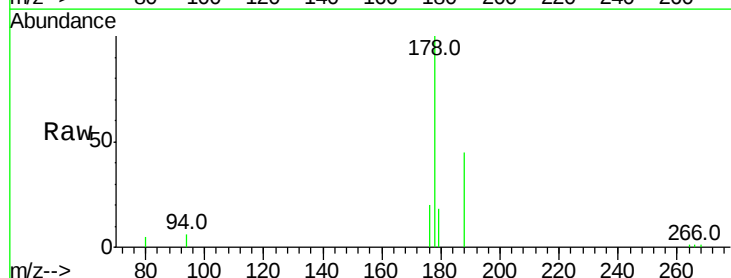
Tgt Ion:178 Resp: 7780

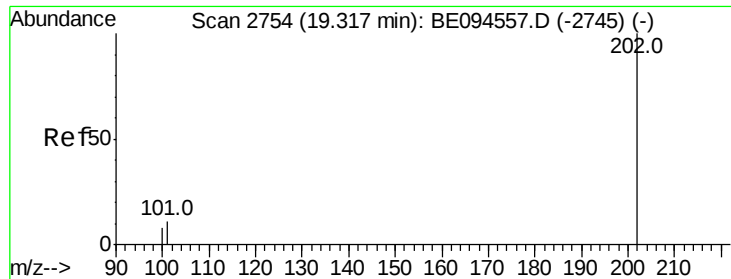
Ion Ratio Lower Upper

178 100

179 18.3 18.1 27.1

176 20.4 14.7 22.1





#15

Fluoranthene

Concen: 2.546 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094564.D

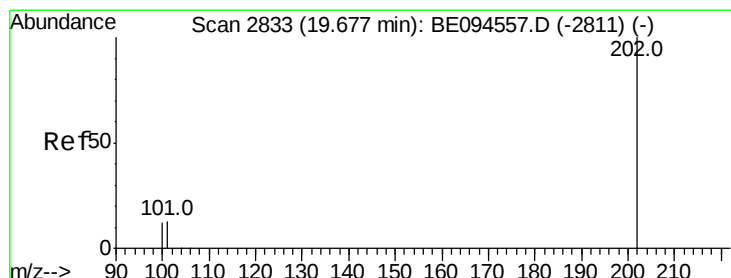
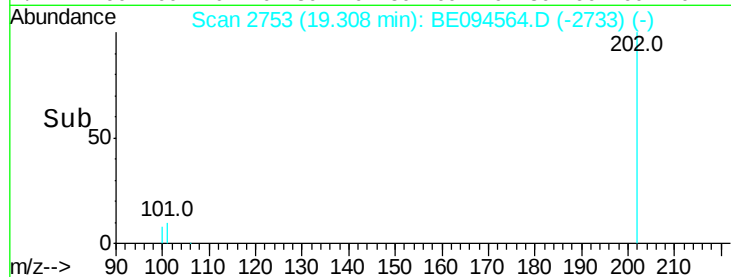
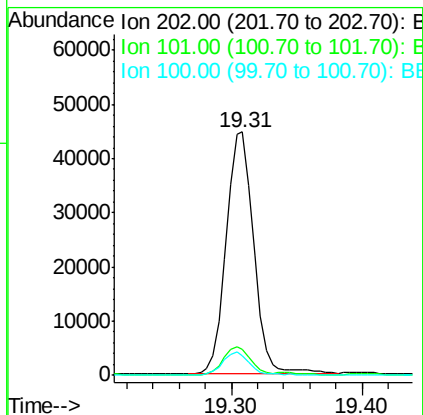
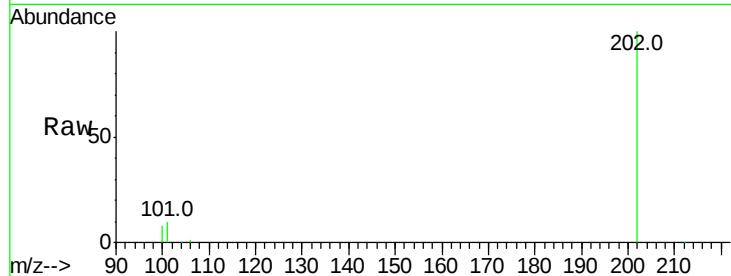
Acq: 26 Oct 2017 16:13

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	202	Resp:	65505
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	30.3
100	8.3	0.0	39.5



#17

Pyrene

Concen: 2.392 ng/ul

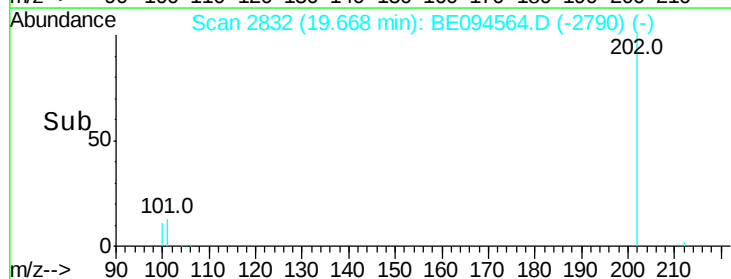
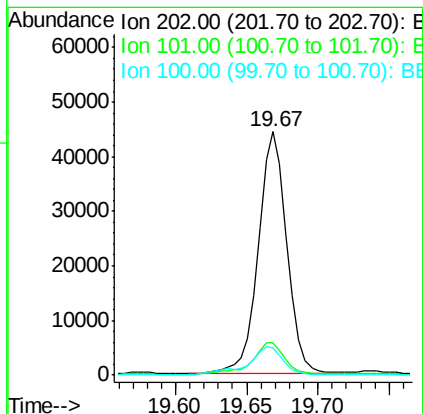
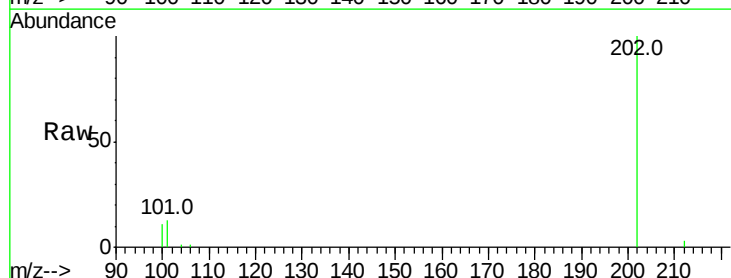
RT: 19.67 min Scan# 2832

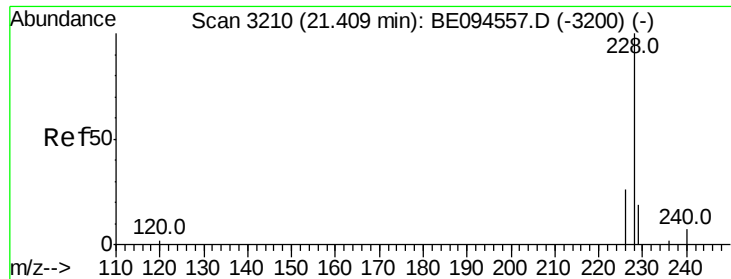
Delta R.T. -0.01 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

Tgt Ion:	202	Resp:	62196
Ion Ratio	Lower	Upper	
202	100		
101	13.1	18.2	27.4#
100	11.0	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 1.363 ng/ul

RT: 21.40 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

Instrument :

BNA_E

ClientSampleId :

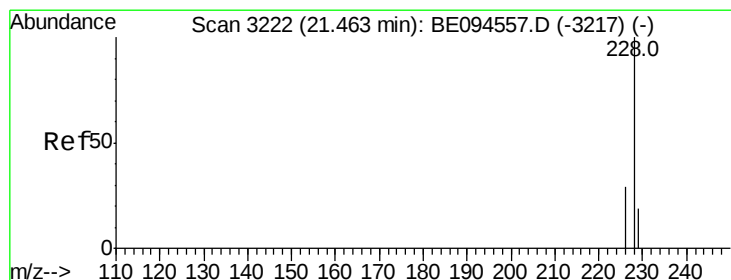
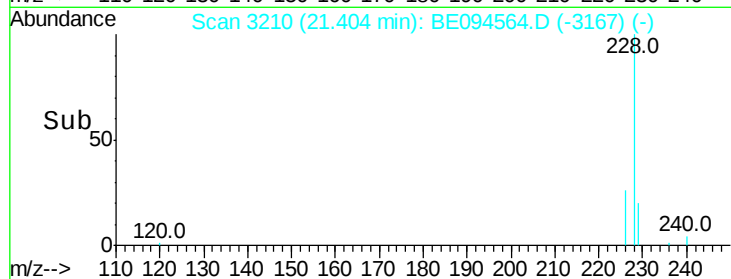
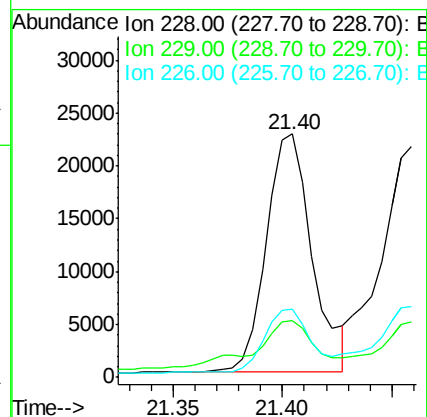
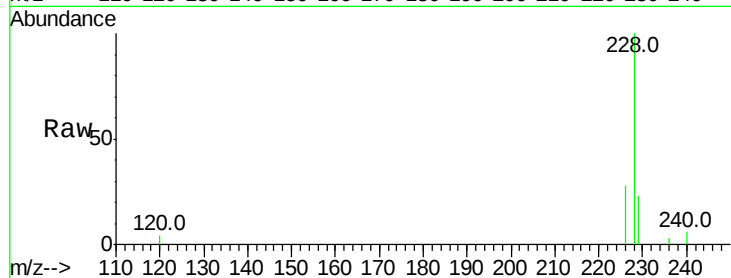
Tot Ion:228 Resp: 32784

Ion Ratio Lower Upper

228 100

229 23.5 22.8 34.2

226 27.8 17.0 25.6#



#19

Chrysene

Concen: 1.419 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

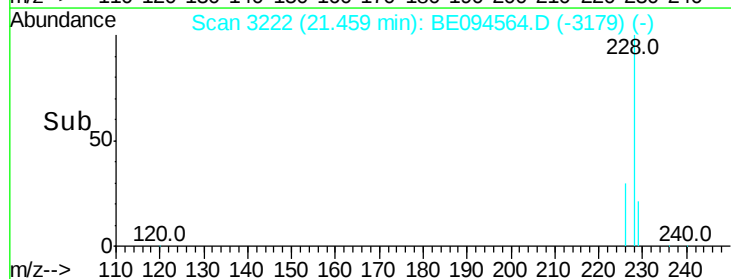
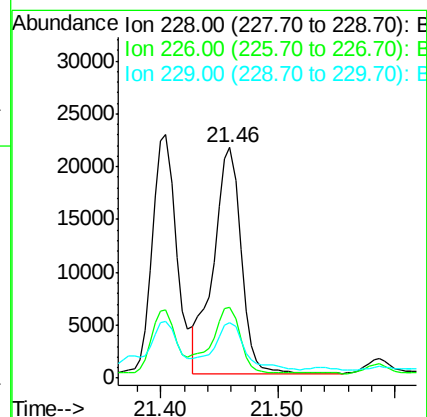
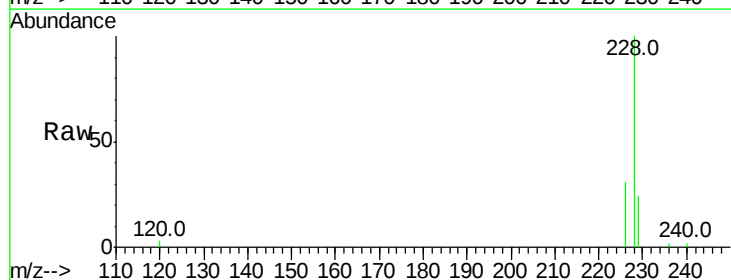
Tgt Ion:228 Resp: 35265

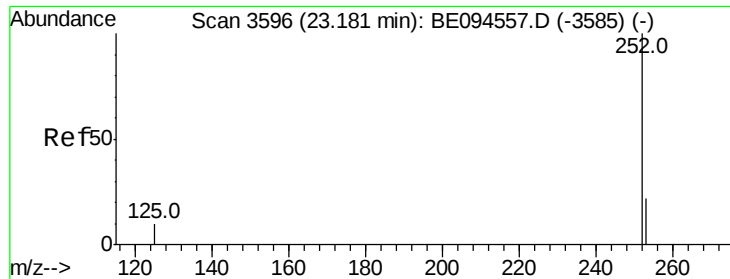
Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

229 24.2 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 2.216 ng/u1

RT: 23.18 min Scan# 3596

Delta R.T. -0.00 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

Instrument :

BNA_E

ClientSampleId :

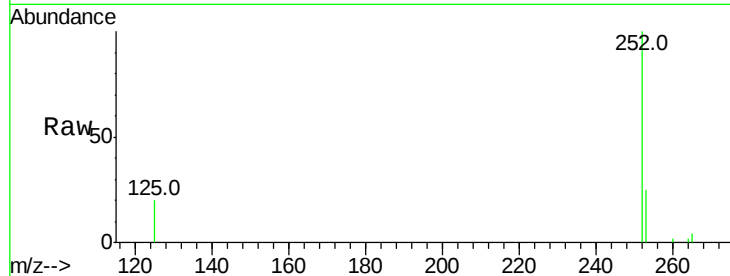
Tot Ion:252 Resp: 54234

Ion Ratio Lower Upper

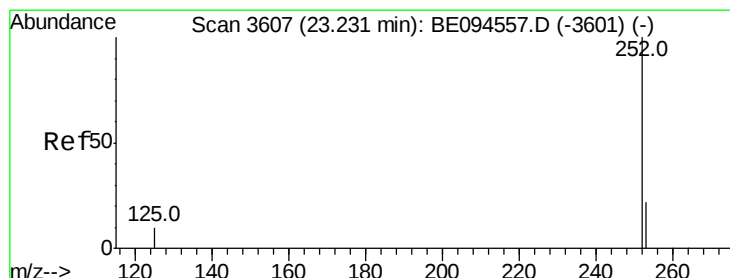
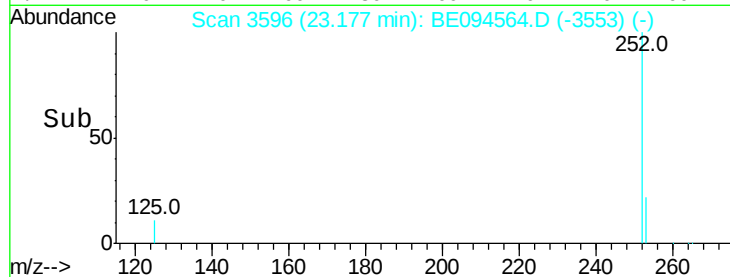
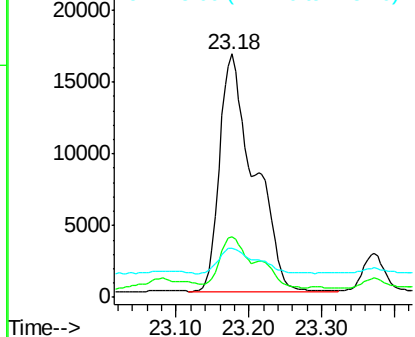
252 100

253 25.0 0.0 64.2

125 20.4 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: 2.068 ng/u1

RT: 23.18 min Scan# 3596

Delta R.T. -0.05 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

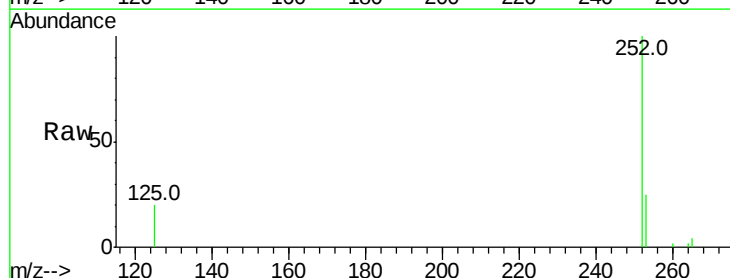
Tgt Ion:252 Resp: 54234

Ion Ratio Lower Upper

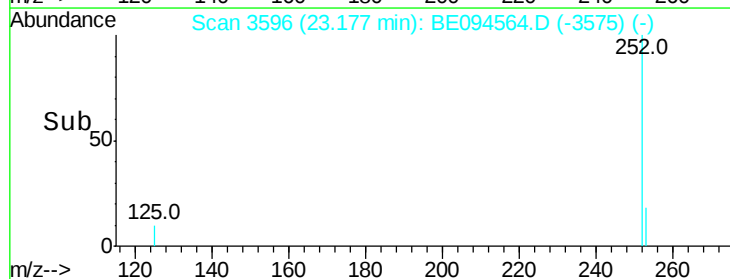
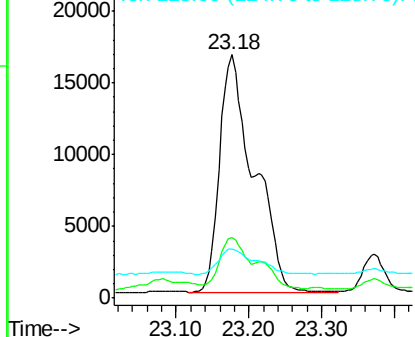
252 100

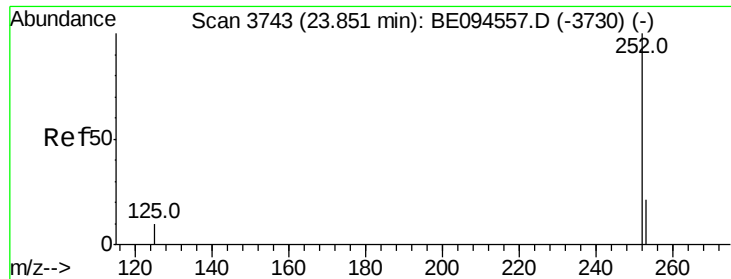
253 25.0 24.5 36.7

125 20.4 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: 1.140 ng/ul

RT: 23.84 min Scan# 3741

Delta R.T. -0.01 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

Instrument :

BNA_E

ClientSampleId :

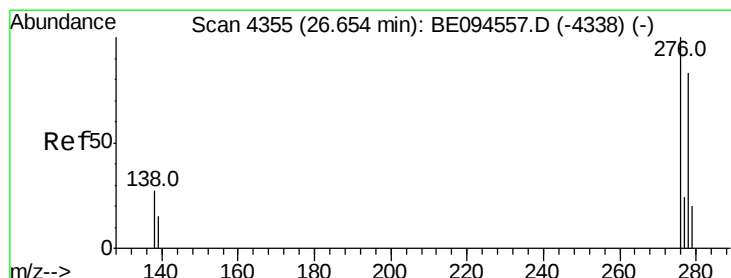
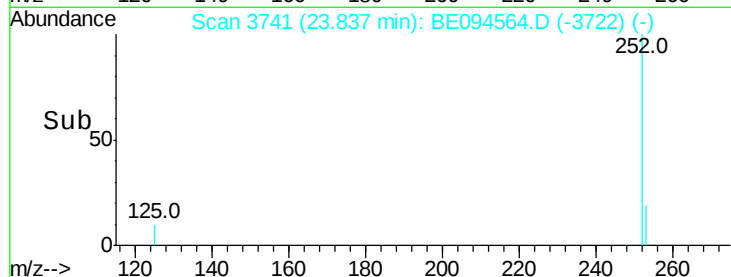
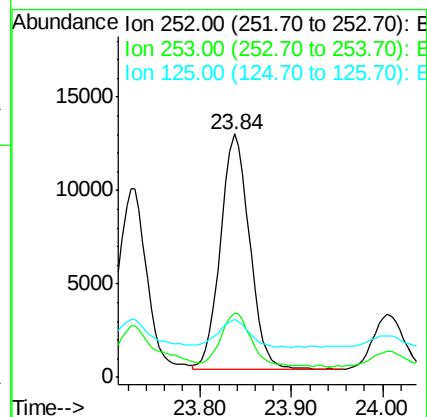
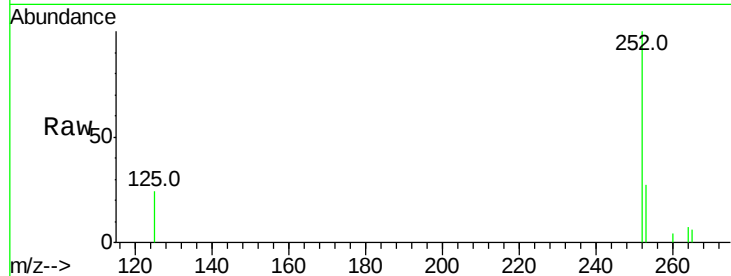
Tot Ion:252 Resp: 27899

Ion Ratio Lower Upper

252 100

253 26.7 28.5 42.7#

125 23.7 18.1 27.1



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.733 ng/ul

RT: 26.65 min Scan# 4354

Delta R.T. -0.01 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

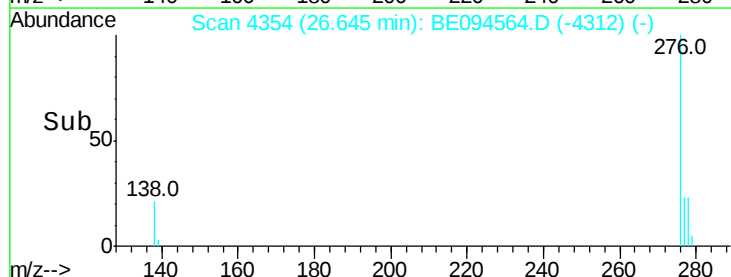
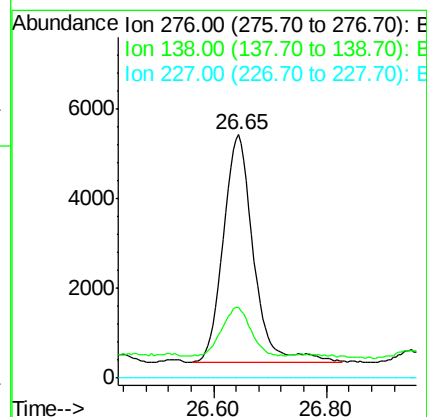
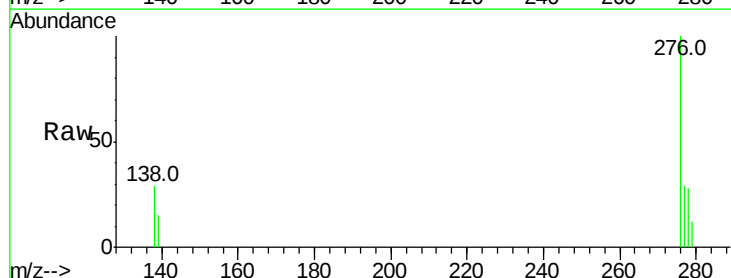
Tgt Ion:276 Resp: 18544

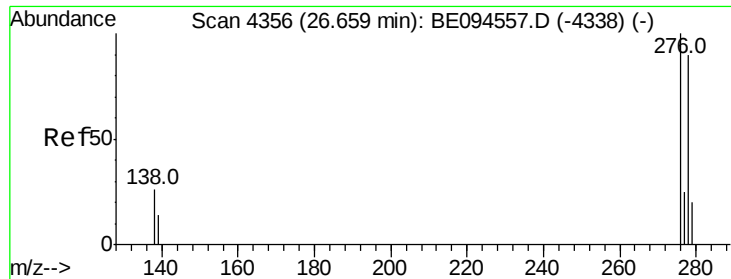
Ion Ratio Lower Upper

276 100

138 21.0 28.0 42.0#

227 0.0 8.0 12.0#





#25

Dibenzo(a,h)anthracene

Concen: 0.243 ng/ul

RT: 26.64 min Scan# 4353

Delta R.T. -0.02 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

Instrument :

BNA_E

ClientSampleId :

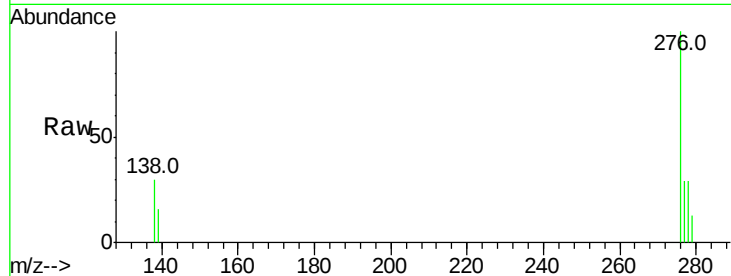
Tot Ion:278 Resp: 5180

Ion Ratio Lower Upper

278 100

139 53.0 17.4 26.0#

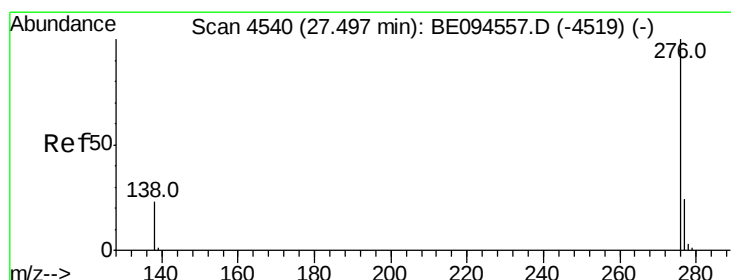
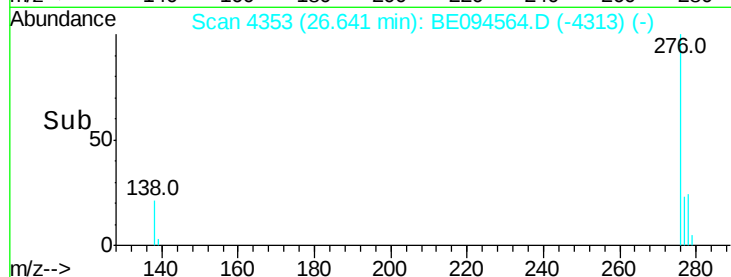
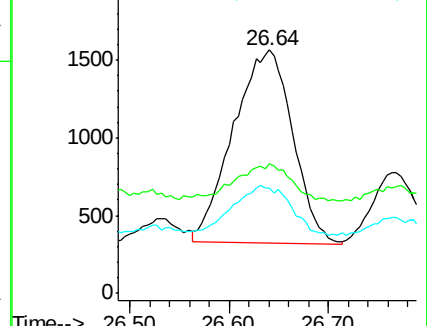
279 43.2 25.9 38.9#



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: 0.812 ng/ul

RT: 27.48 min Scan# 4537

Delta R.T. -0.02 min

Lab File: BE094564.D

Acq: 26 Oct 2017 16:13

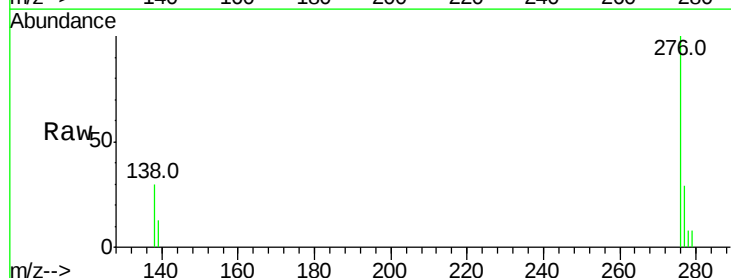
Tgt Ion:276 Resp: 16496

Ion Ratio Lower Upper

276 100

138 30.1 21.8 32.8

277 29.4 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

