

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
 Data File : BE094546.D
 Acq On : 25 Oct 2017 23:10
 Operator : SJ/JU
 Sample : I5783-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 26 11:59:54 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 18:44:03 2017
 Response via : Initial Calibration

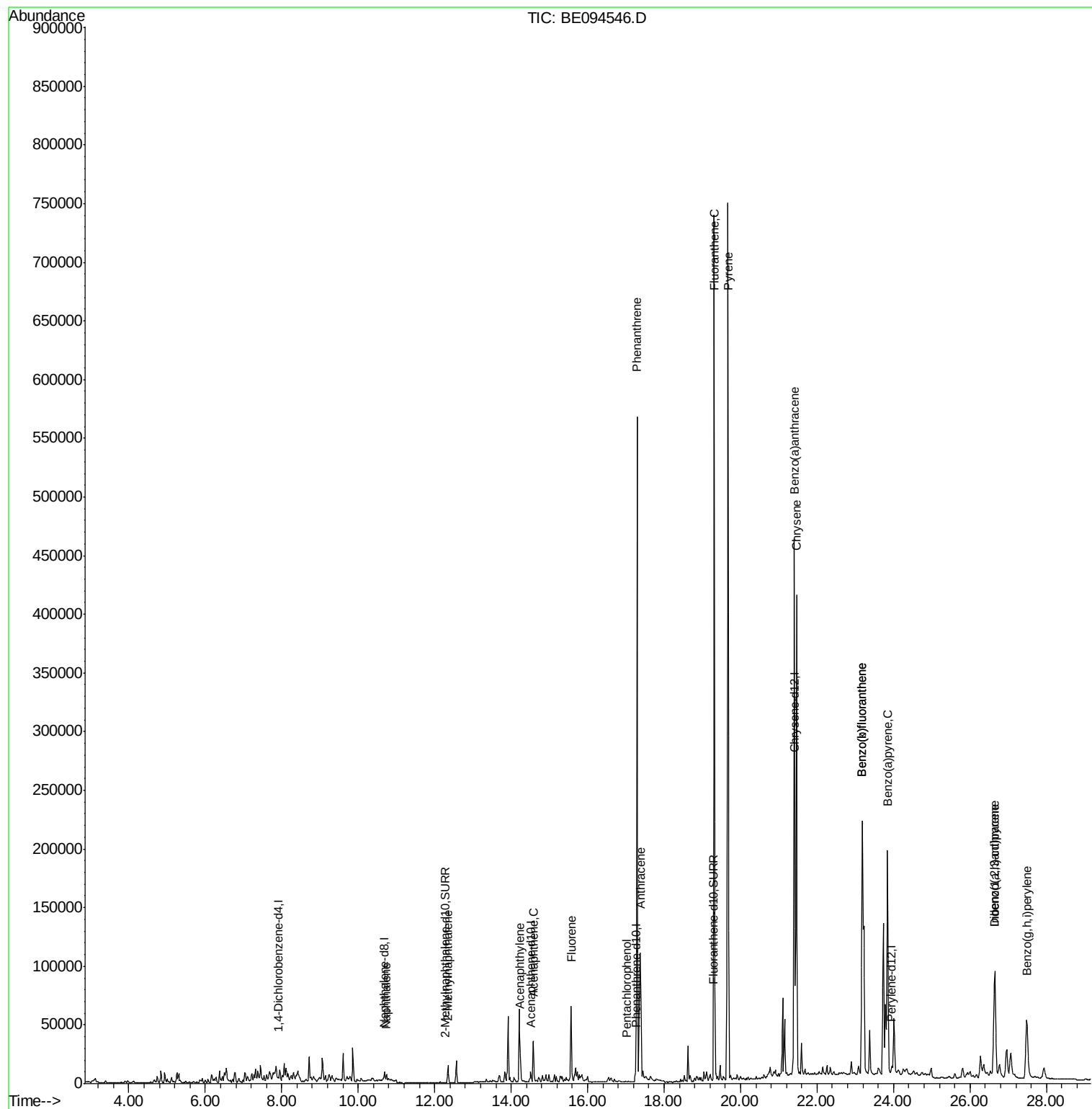
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1411	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	7955	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4642	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10041	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	9978	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	10282	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	697	0.05	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	1319	0.04	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.74	128	9417	0.484	ng/ul#	78
5) 2-Methylnaphthalene	12.35	142	13447	0.988	ng/ul	98
7) Acenaphthylene	14.24	152	29356	1.398	ng/ul	97
8) Acenaphthene	14.57	153	22347	1.481	ng/ul	94
9) Fluorene	15.57	166	42696	2.520	ng/ul	94
11) Pentachlorophenol	17.03	266	12	0.024	ng/ul#	1
12) Phenanthrene	17.29	178	631006	23.792	ng/ul#	88
13) Anthracene	17.38	178	144584	5.524	ng/ul#	88
15) Fluoranthene	19.31	202	858728	28.006	ng/ul	84
17) Pyrene	19.67	202	848859	27.519	ng/ul#	82
18) Benzo(a)anthracene	21.41	228	433542	15.199	ng/ul#	87
19) Chrysene	21.46	228	423277	14.356	ng/ul	99
21) Benzo(b)fluoranthene	23.18	252	562019	19.432	ng/ul	86
22) Benzo(k)fluoranthene	23.18	252	562019	18.133	ng/ul#	88
23) Benzo(a)pyrene	23.85	252	296508	10.256	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.65	276	173884	5.812	ng/ul#	76
25) Dibenzo(a,h)anthracene	26.65	278	50168	1.990	ng/ul	96
26) Benzo(g,h,i)perylene	27.48	276	137677	5.731	ng/ul	97

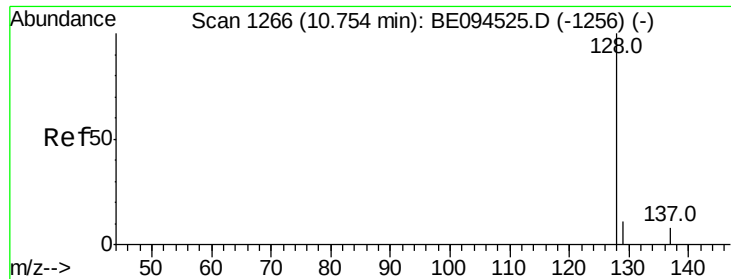
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.484 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

Instrument :

BNA_E

ClientSampleId :

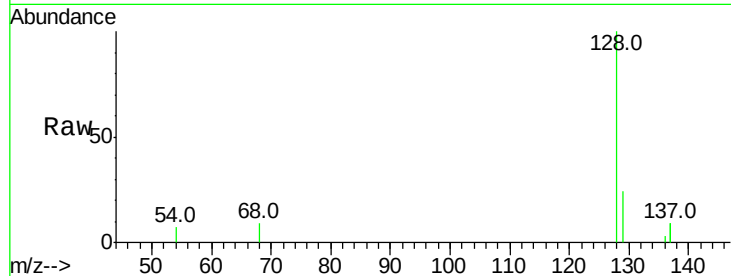
Tot Ion:128 Resp: 9417

Ion Ratio Lower Upper

128 100

129 23.8 11.3 16.9#

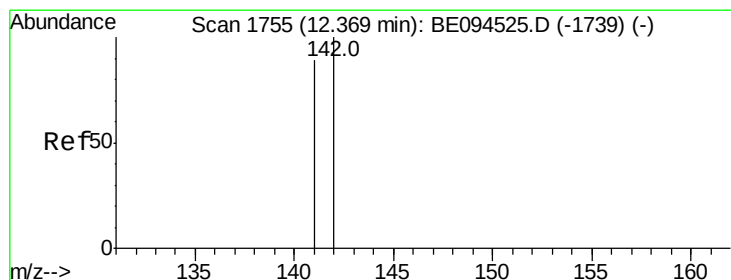
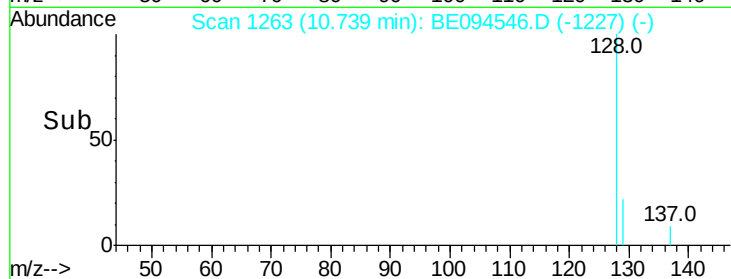
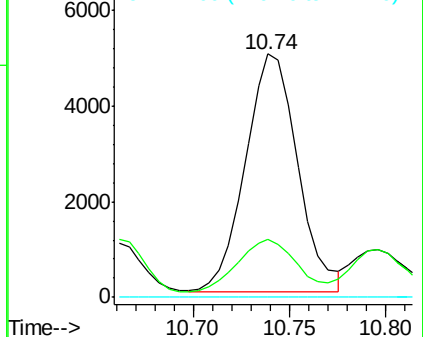
127 0.0 4.0 6.0#



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: 0.988 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BE094546.D

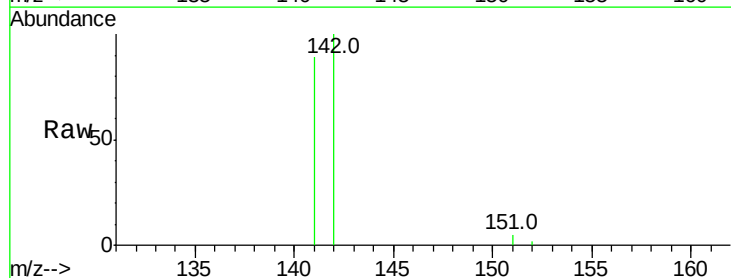
Acq: 25 Oct 2017 23:10

Tgt Ion:142 Resp: 13447

Ion Ratio Lower Upper

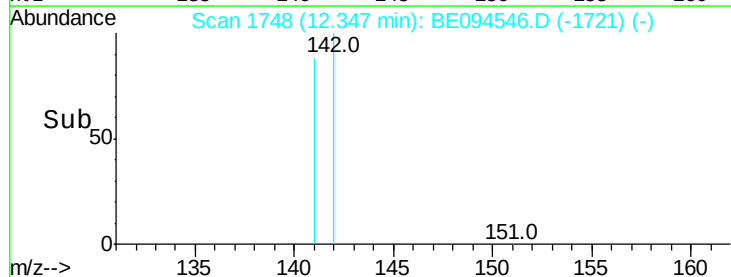
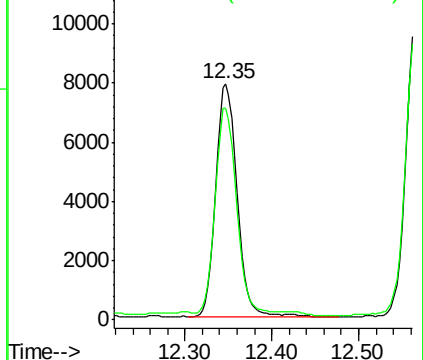
142 100

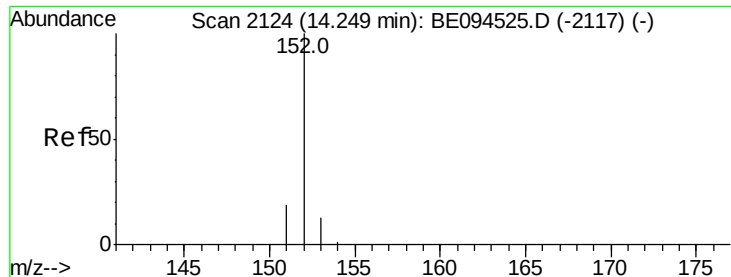
141 92.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.398 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

Instrument :

BNA_E

ClientSampleId :

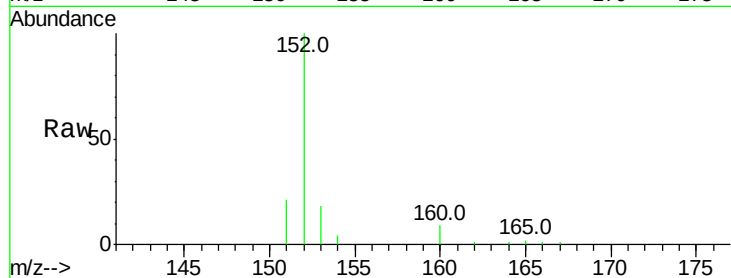
Tot Ion:152 Resp: 29356

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

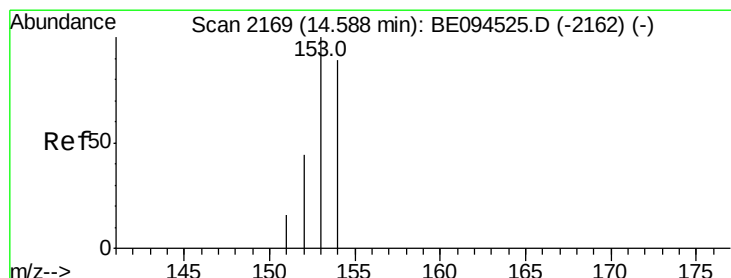
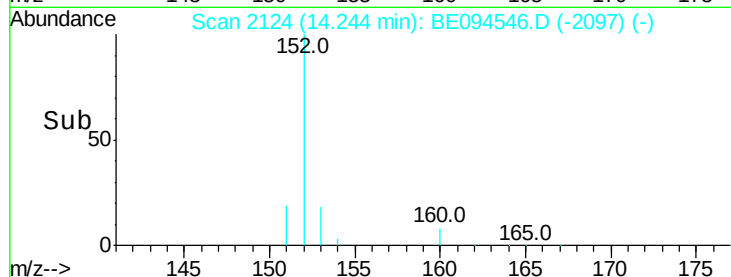
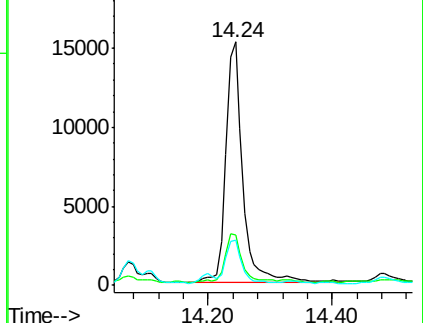
153 18.3 12.8 19.2



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: 1.481 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

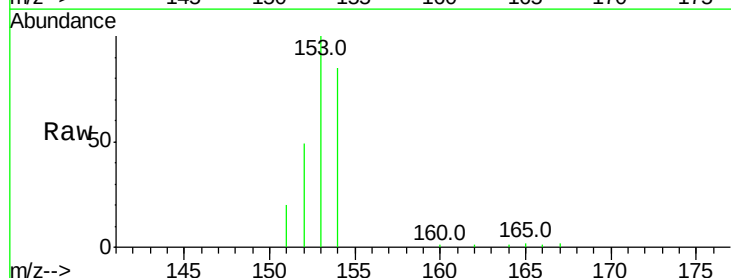
Tgt Ion:153 Resp: 22347

Ion Ratio Lower Upper

153 100

152 49.3 36.0 54.0

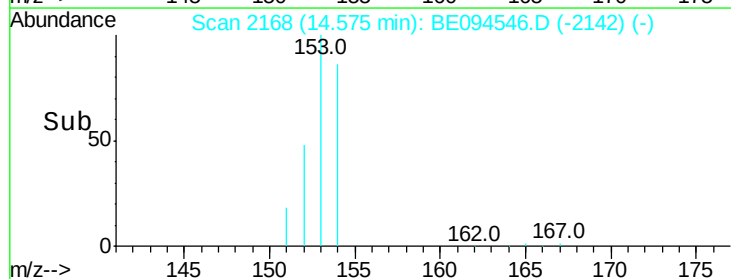
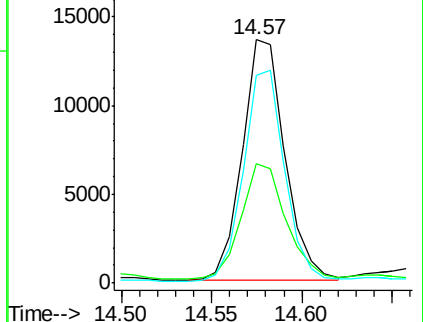
154 85.3 72.0 108.0

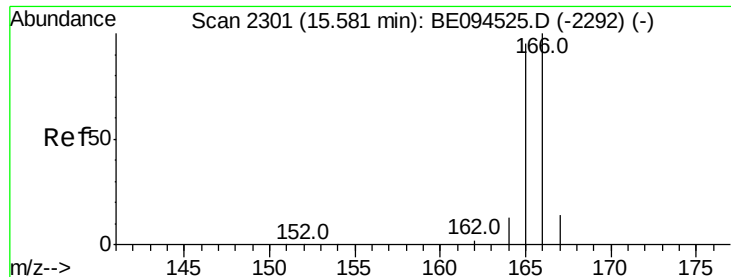


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 2.520 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

Instrument :

BNA_E

ClientSampleId :

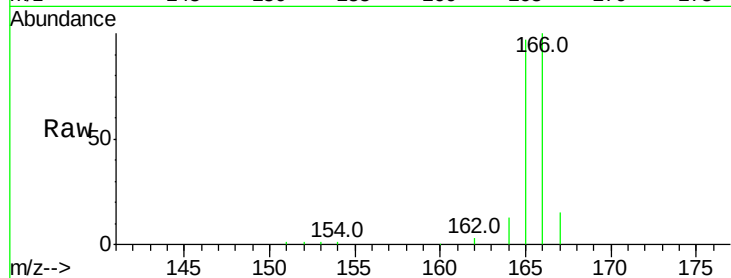
Tot Ion:166 Resp: 42696

Ion Ratio Lower Upper

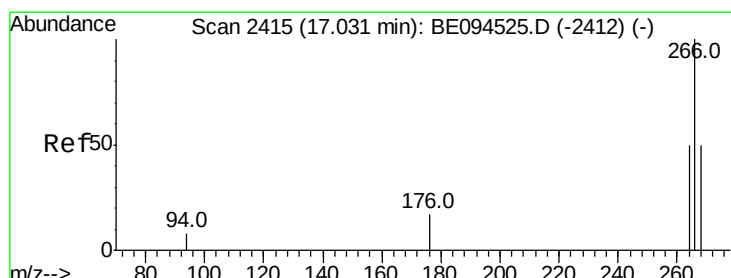
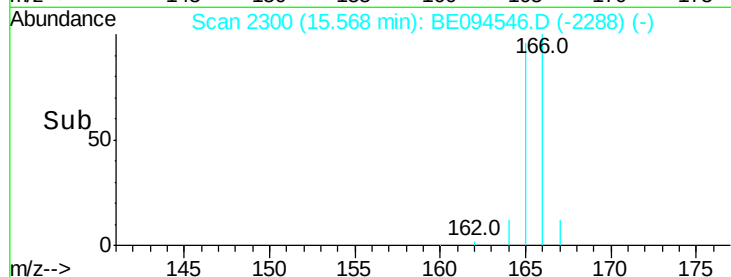
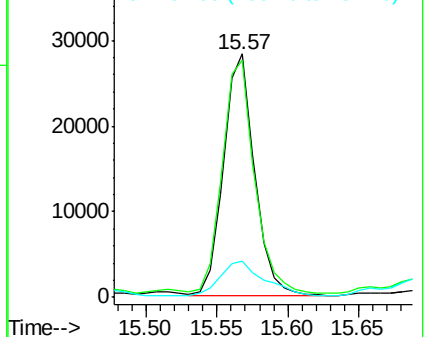
166 100

165 97.3 73.4 110.2

167 14.8 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: 0.024 ng/ul

RT: 17.03 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

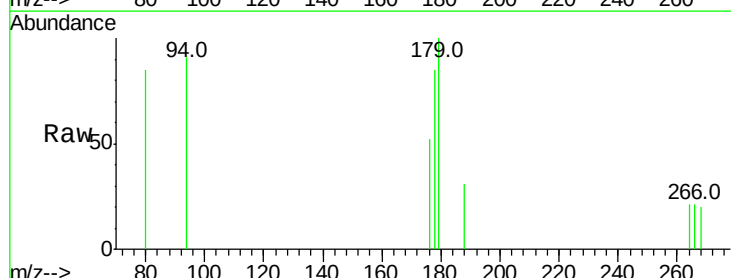
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

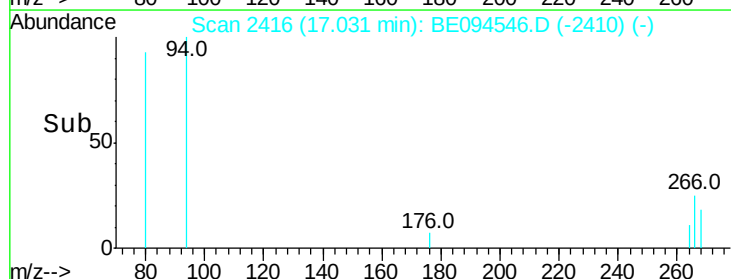
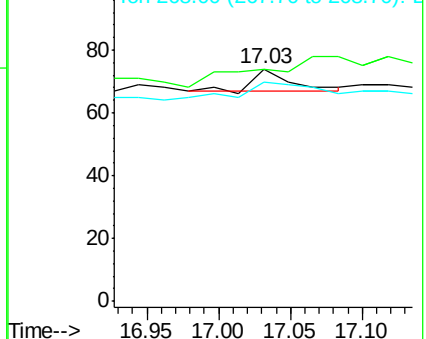
266 100

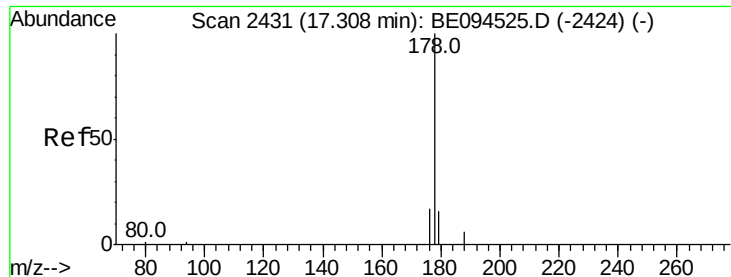
264 0.0 47.9 71.9#

268 250.0 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: 23.792 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

Instrument :

BNA_E

ClientSampleId :

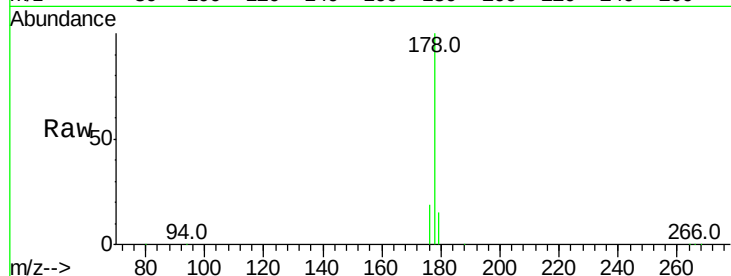
Tot Ion:178 Resp: 631006

Ion Ratio Lower Upper

178 100

179 14.7 18.4 27.6#

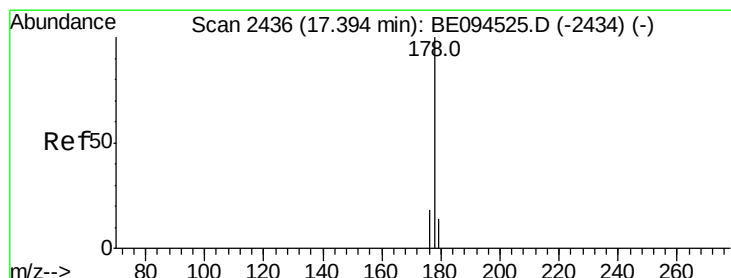
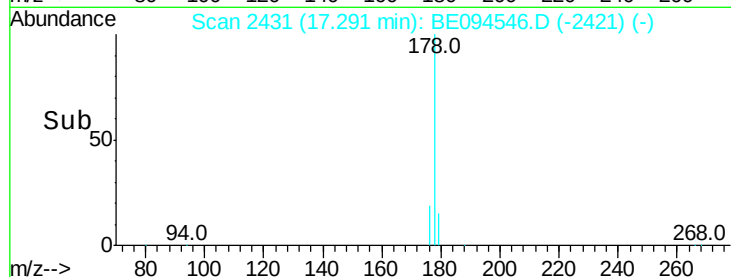
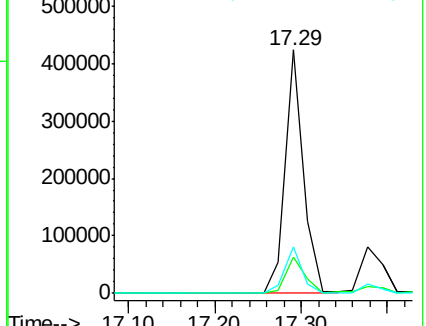
176 19.3 13.6 20.4



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: 5.524 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

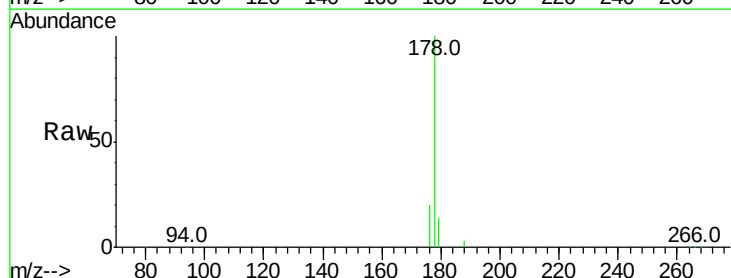
Tgt Ion:178 Resp: 144584

Ion Ratio Lower Upper

178 100

179 14.2 18.1 27.1#

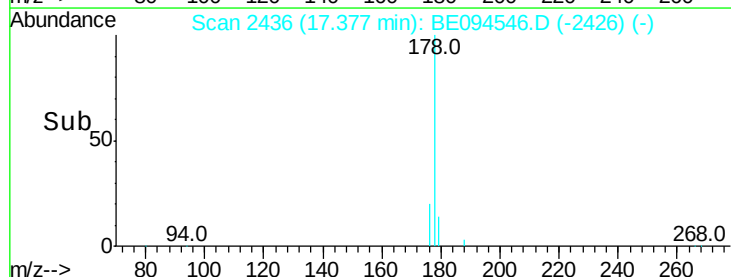
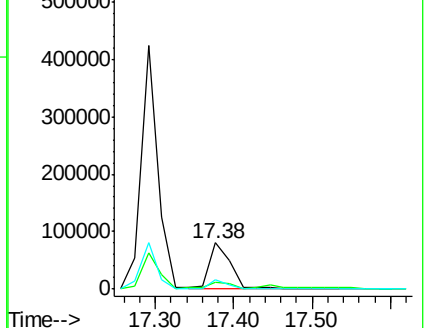
176 20.5 14.7 22.1

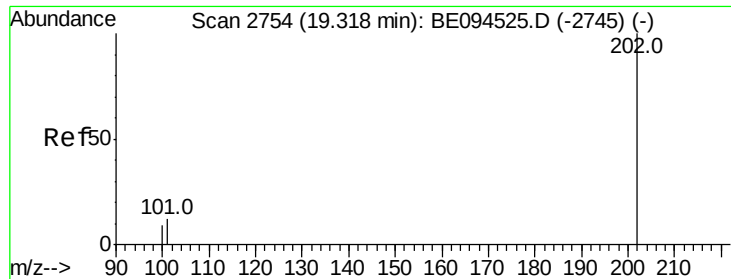


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 28.006 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

Instrument :

BNA_E

ClientSampleId :

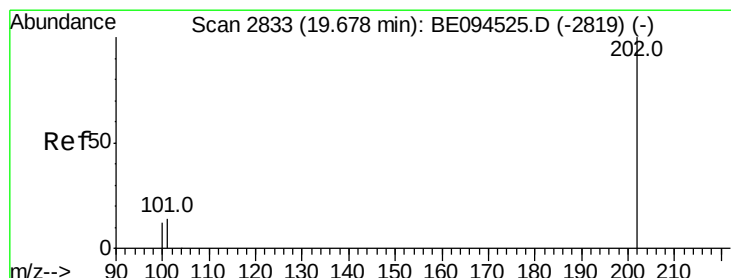
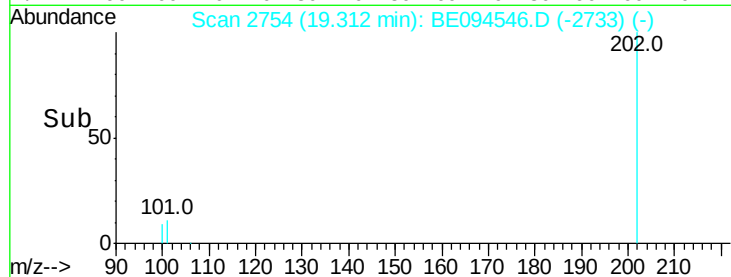
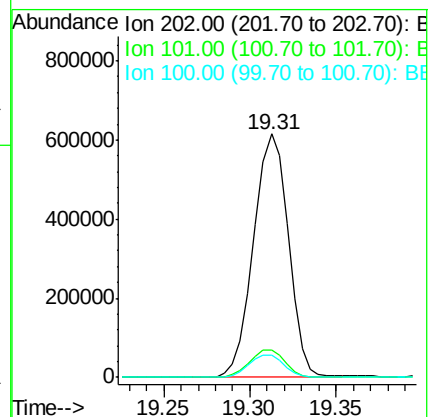
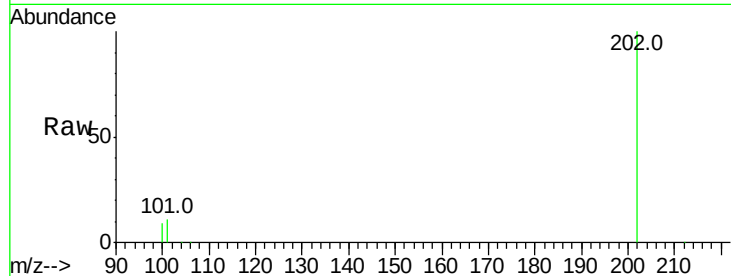
Tot Ion:202 Resp: 858728

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.3

100 8.9 0.0 39.5



#17

Pyrene

Concen: 27.519 ng/ul

RT: 19.67 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

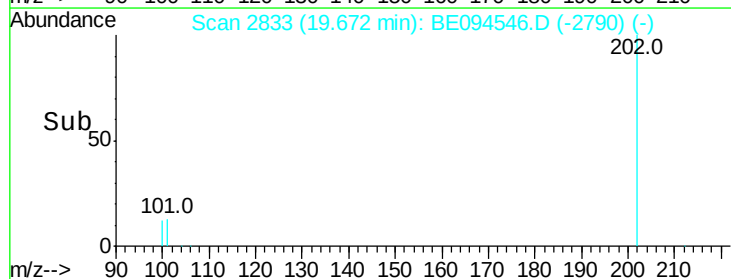
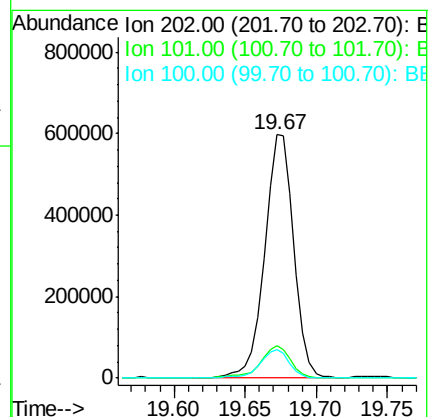
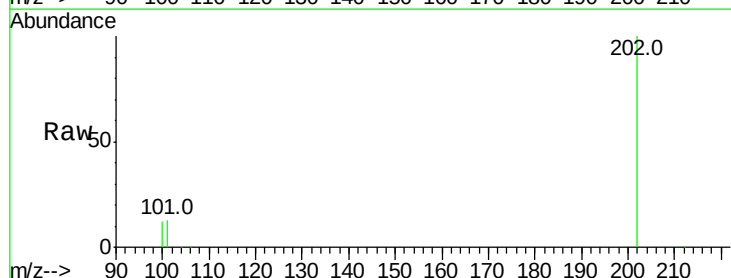
Tgt Ion:202 Resp: 848859

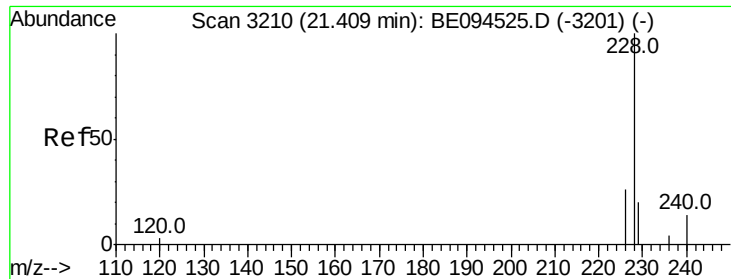
Ion Ratio Lower Upper

202 100

101 13.4 18.2 27.4#

100 11.8 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 15.199 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

Instrument :

BNA_E

ClientSampleId :

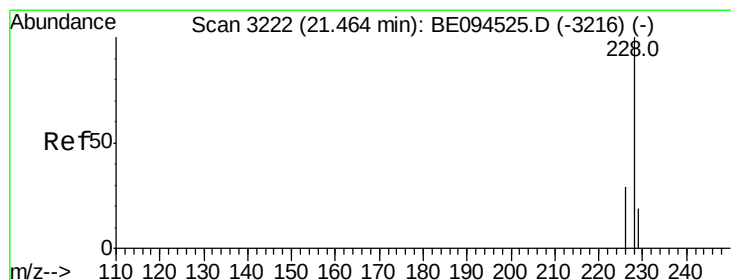
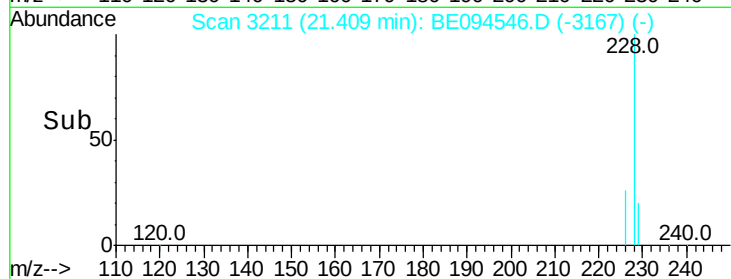
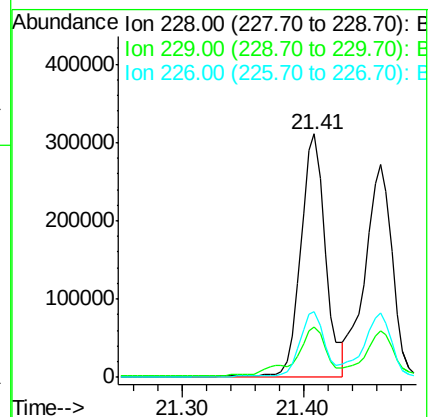
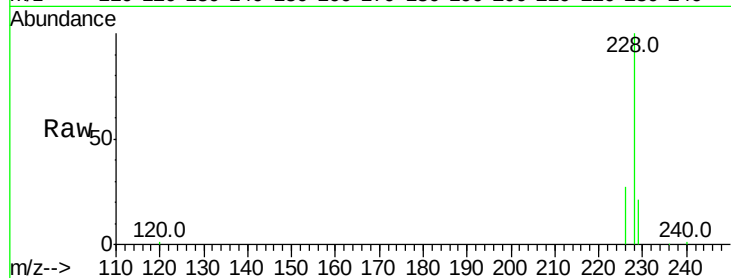
Tot Ion:228 Resp: 433542

Ion Ratio Lower Upper

228 100

229 20.9 22.8 34.2#

226 26.9 17.0 25.6#



#19

Chrysene

Concen: 14.356 ng/ul

RT: 21.46 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

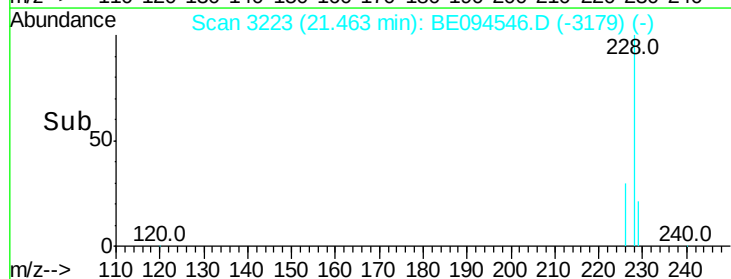
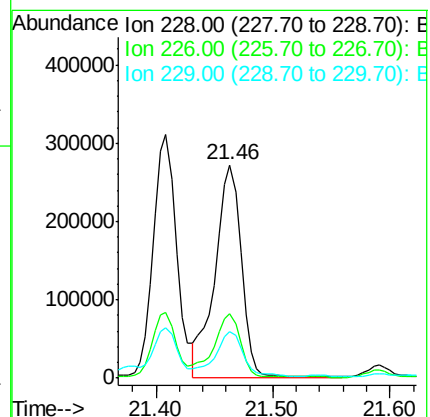
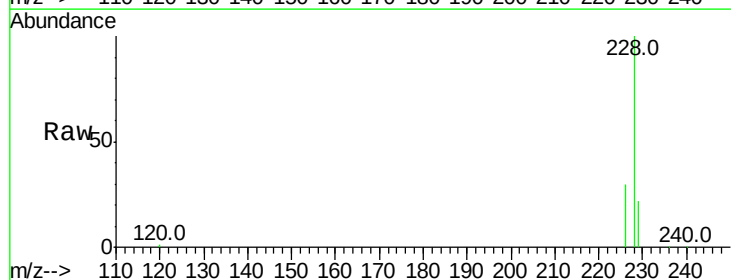
Tgt Ion:228 Resp: 423277

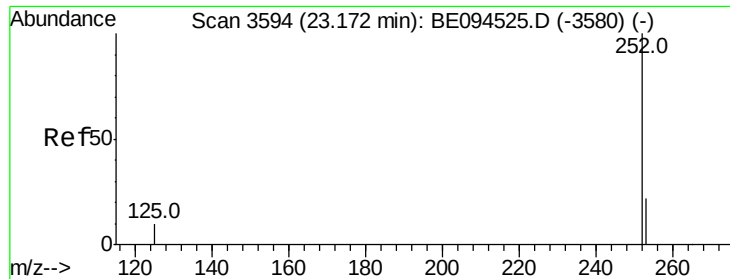
Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

229 21.8 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 19.432 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. 0.01 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

Instrument :

BNA_E

ClientSampleId :

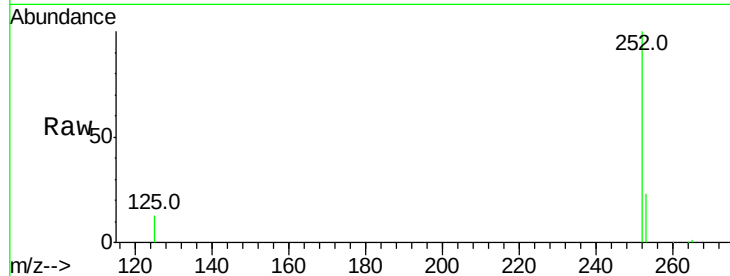
Tot Ion:252 Resp: 562019

Ion Ratio Lower Upper

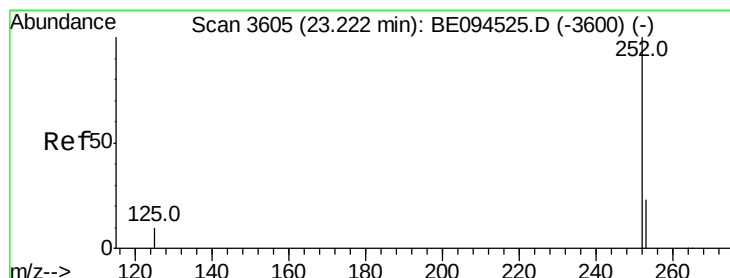
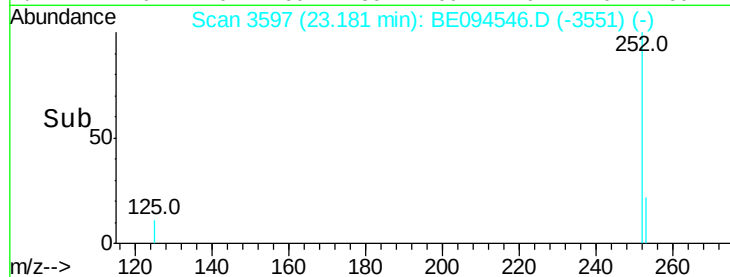
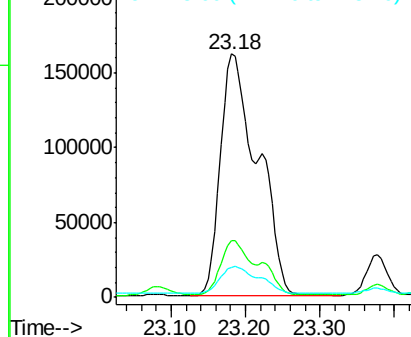
252 100

253 23.3 0.0 64.2

125 12.5 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: 18.133 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. -0.04 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

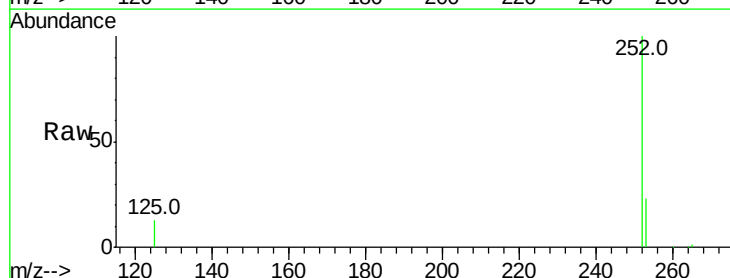
Tgt Ion:252 Resp: 562019

Ion Ratio Lower Upper

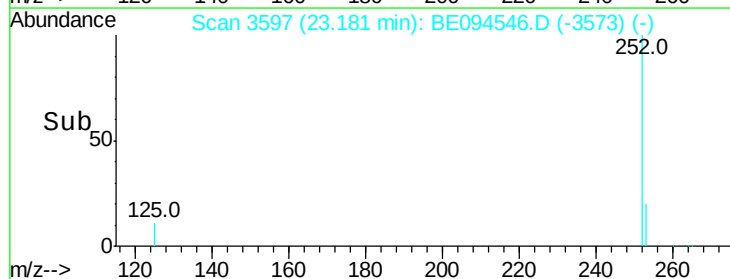
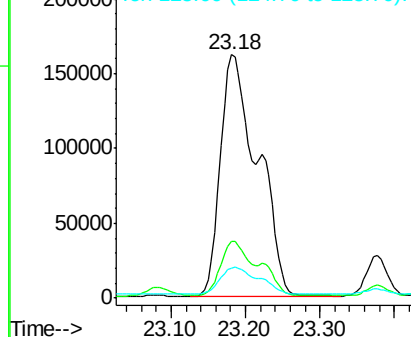
252 100

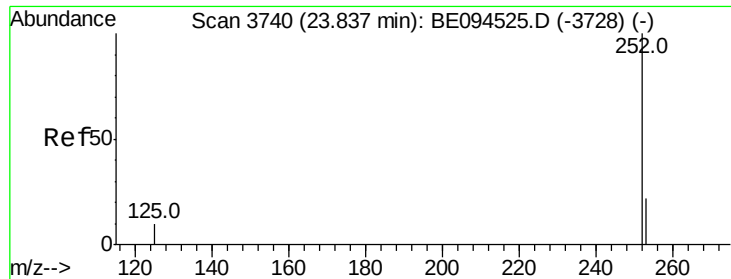
253 23.3 24.5 36.7#

125 12.5 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: 10.256 ng/ul

RT: 23.85 min Scan# 3743

Delta R.T. 0.00 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

Instrument :

BNA_E

ClientSampleId :

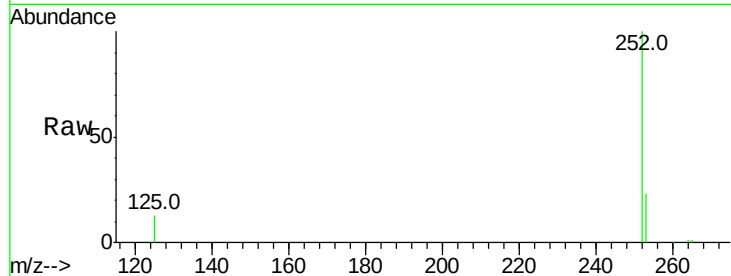
Tot Ion:252 Resp: 296508

Ion Ratio Lower Upper

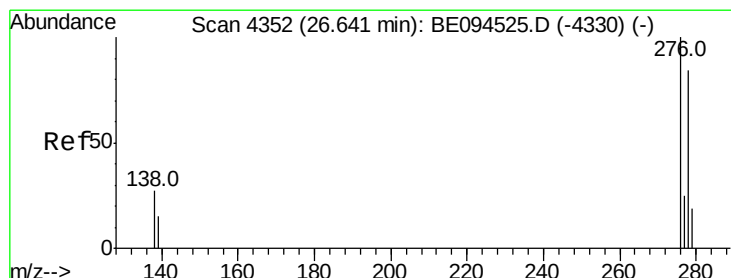
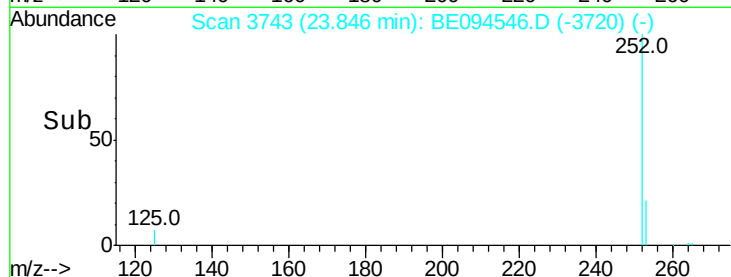
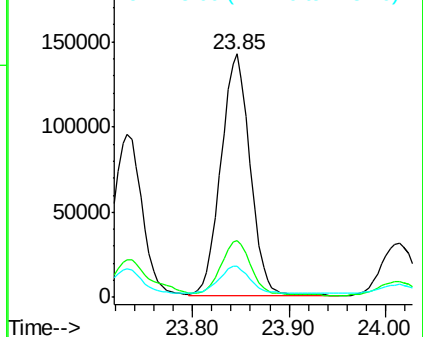
252 100

253 23.5 28.5 42.7#

125 12.7 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: 5.812 ng/ul

RT: 26.65 min Scan# 4355

Delta R.T. 0.01 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

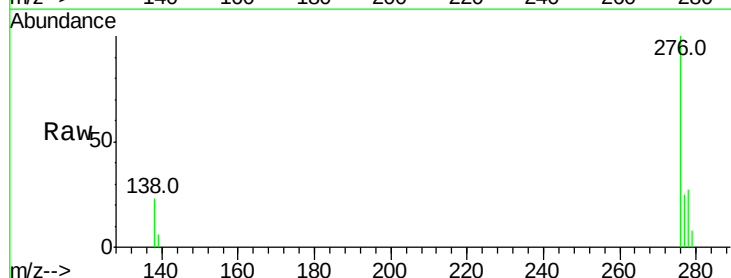
Tgt Ion:276 Resp: 173884

Ion Ratio Lower Upper

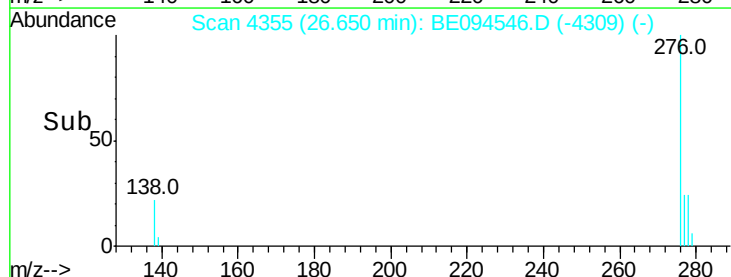
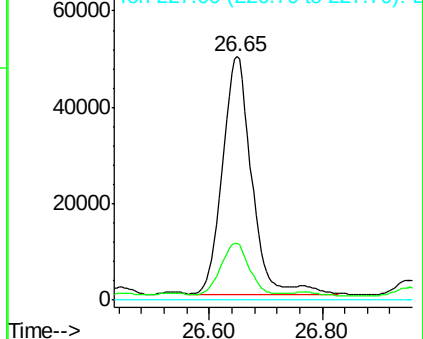
276 100

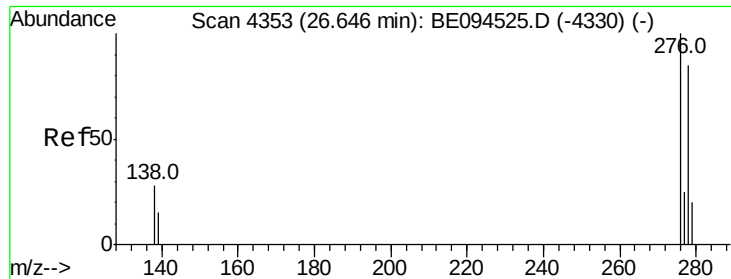
138 21.6 28.0 42.0#

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: 1.990 ng/ul

RT: 26.65 min Scan# 4354

Delta R.T. 0.00 min

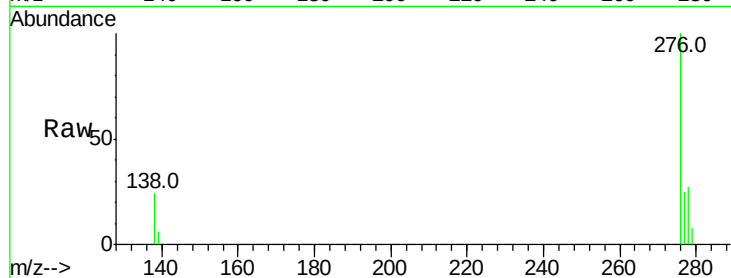
Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

Instrument :

BNA_E

ClientSampleId :



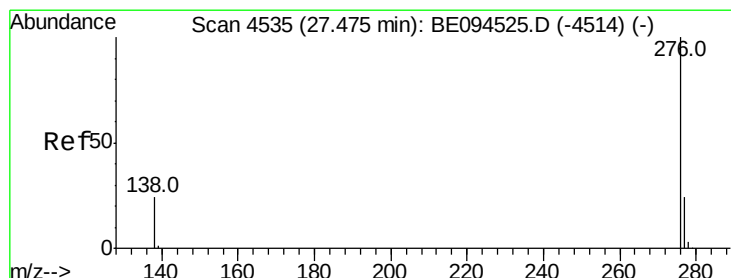
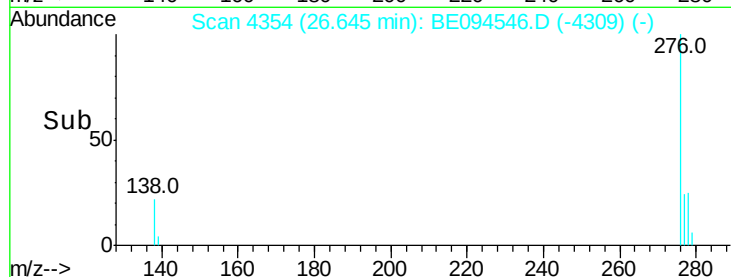
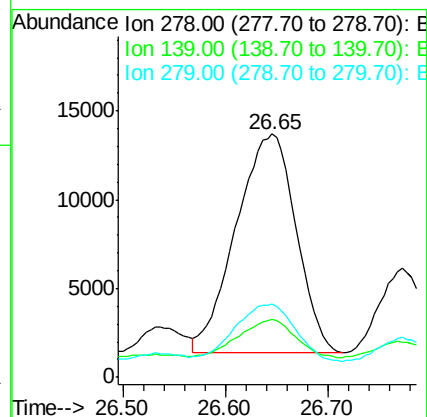
Tot Ion:278 Resp: 50168

Ion Ratio Lower Upper

278 100

139 23.6 17.4 26.0

279 30.0 25.9 38.9



#26

Benzo(g,h,i)perylene

Concen: 5.731 ng/ul

RT: 27.48 min Scan# 4538

Delta R.T. 0.00 min

Lab File: BE094546.D

Acq: 25 Oct 2017 23:10

Tgt Ion:276 Resp: 137677

Ion Ratio Lower Upper

276 100

138 24.3 21.8 32.8

277 25.5 20.5 30.7

