

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094245.D
 Acq On : 10 Oct 2017 6:05
 Operator : SJ/JU
 Sample : I5533-07
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 10 08:53:48 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 09 04:05:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2346	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	11916	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	7160	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.26	188	14817	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	13653	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	672637	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	4314	0.23	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	9856	0.20	ng/ul	0.00

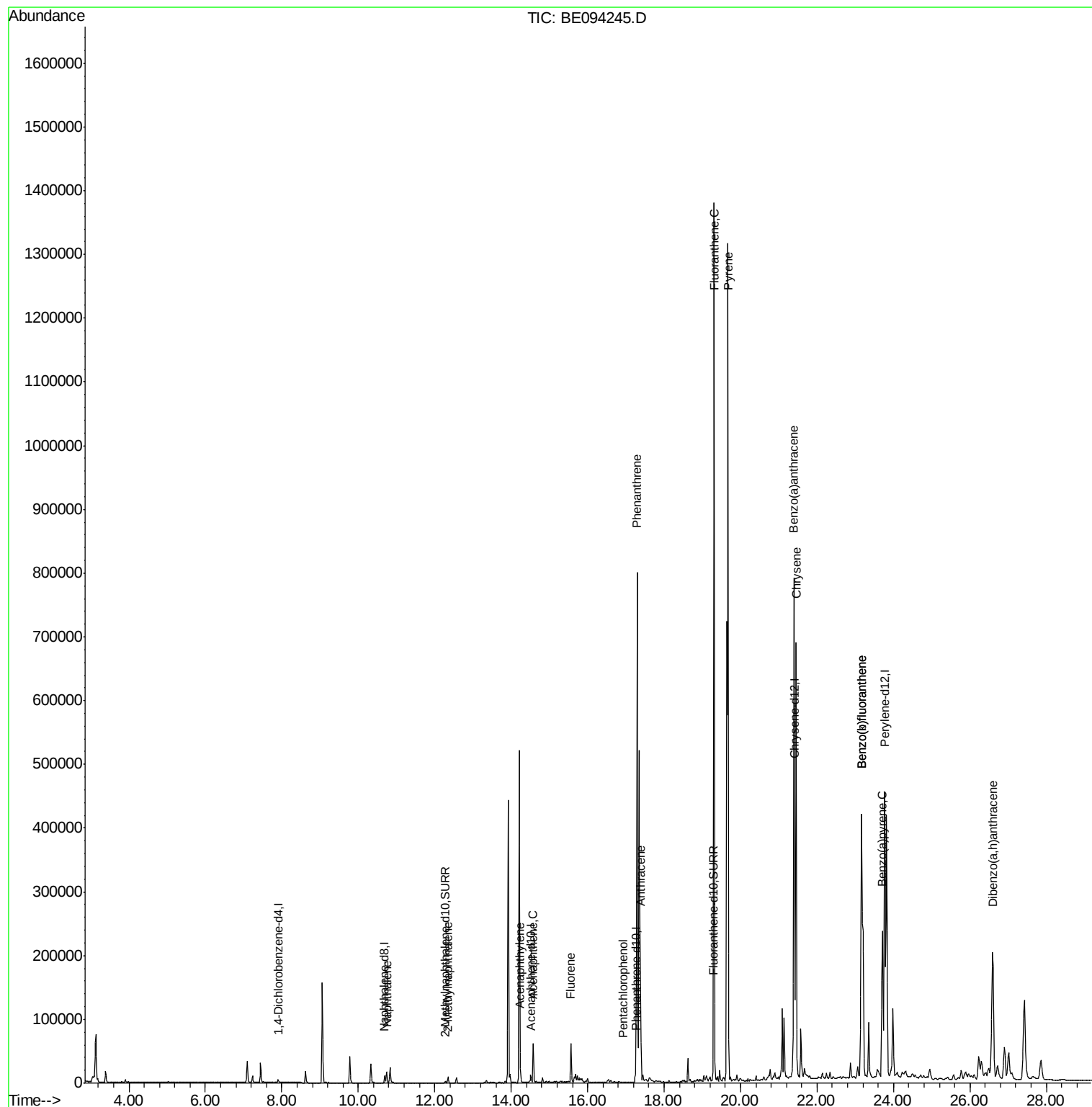
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	26639	0.91	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	8277	0.44	ng/ul	98
7) Acenaphthylene	14.24	152	22417	0.80	ng/ul	97
8) Acenaphthene	14.57	153	37357	1.63	ng/ul	96
9) Fluorene	15.56	166	39873	1.48	ng/ul	90
11) Pentachlorophenol	16.93	266	43	0.02	ng/ul#	55
12) Phenanthrene	17.29	178	873416	22.56	ng/ul#	89
13) Anthracene	17.38	178	220972	5.87	ng/ul#	89
15) Fluoranthene	19.31	202	1536532	30.20	ng/ul	84
17) Pyrene	19.67	202	1442462	37.97	ng/ul#	86
18) Benzo(a)anthracene	21.40	228	758875	20.95	ng/ul#	86
19) Chrysene	21.45	228	678967	16.23	ng/ul	99
21) Benzo(b)fluoranthene	23.16	252	706412	0.39	ng/ul	85
22) Benzo(k)fluoranthene	23.16	252	706412	0.33	ng/ul#	87
23) Benzo(a)pyrene	23.71	252	374600	0.20	ng/ul#	83
25) Dibenzo(a,h)anthracene	26.59	278	59585	0.04	ng/ul	96

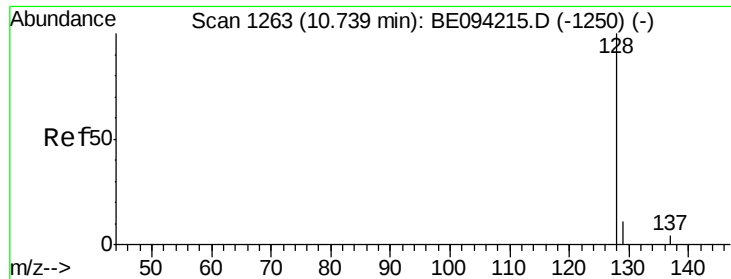
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094245.D
Acq On : 10 Oct 2017 6:05
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Oct 10 08:53:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.91 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094245.D

Acq: 10 Oct 2017 6:05

Instrument :

BNA_E

ClientSampleId :

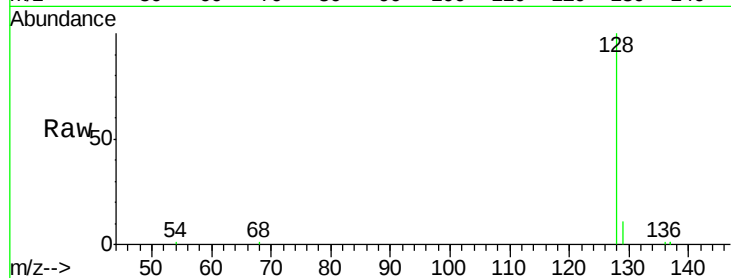
Tot Ion:128 Resp: 26639

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9

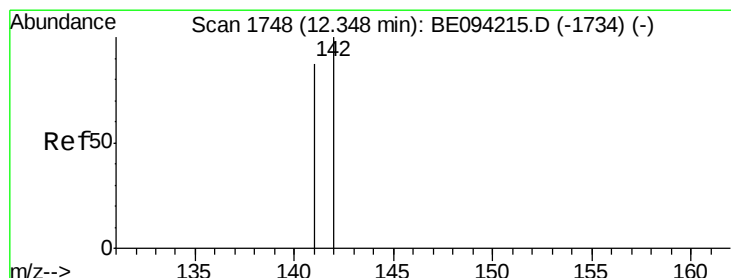
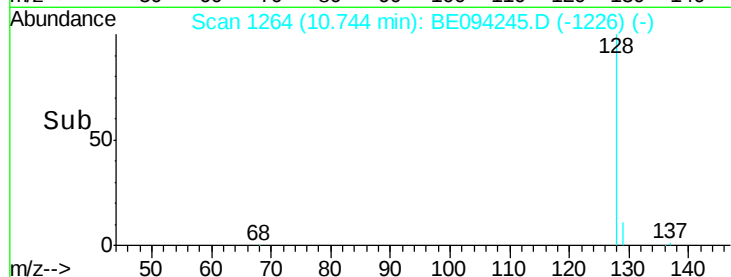
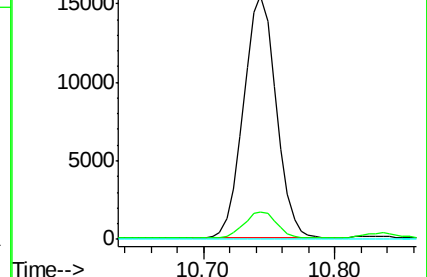
127 0.0 4.0 6.0#



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: 0.44 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BE094245.D

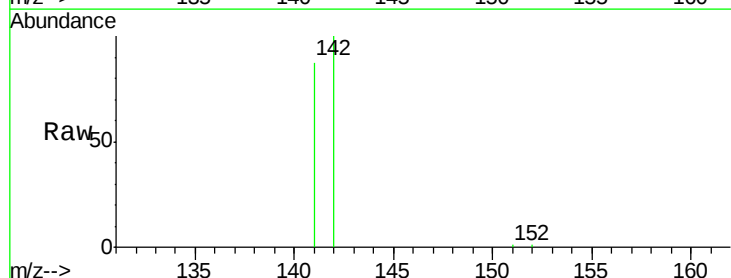
Acq: 10 Oct 2017 6:05

Tgt Ion:142 Resp: 8277

Ion Ratio Lower Upper

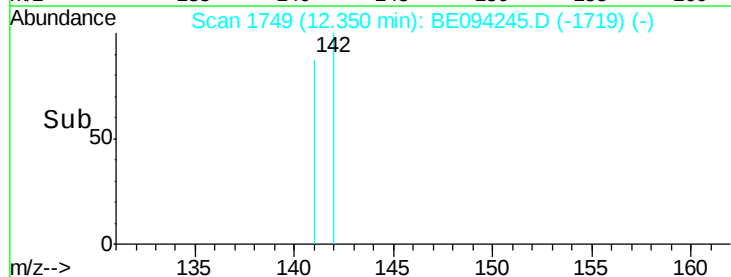
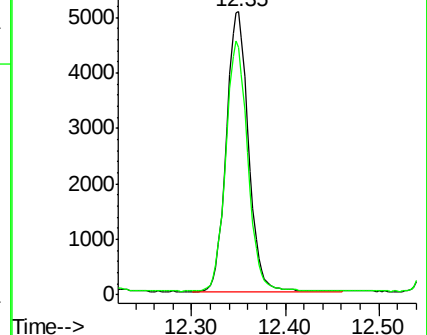
142 100

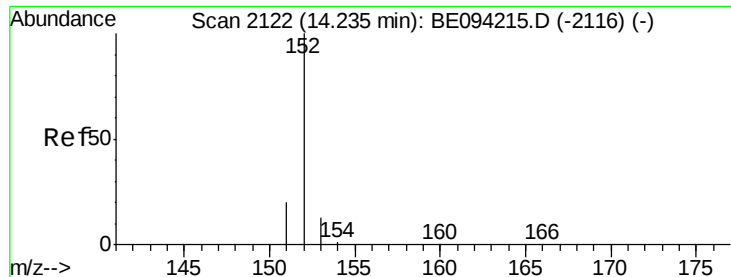
141 88.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.80 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094245.D

Acq: 10 Oct 2017 6:05

Instrument :

BNA_E

ClientSampleId :

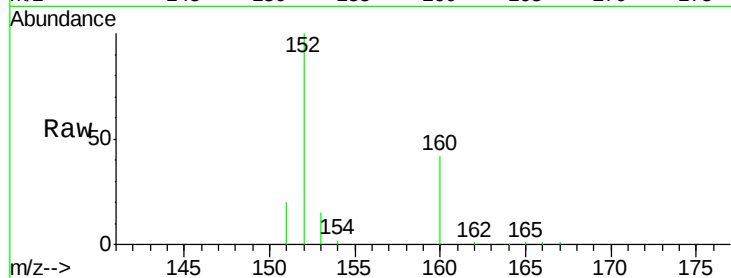
Tot Ion:152 Resp: 22417

Ion Ratio Lower Upper

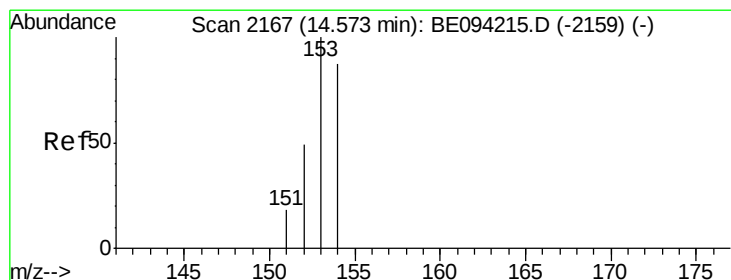
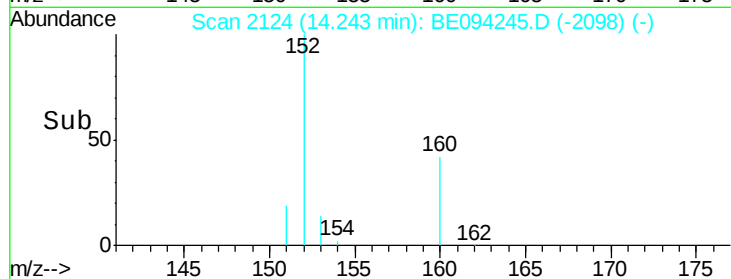
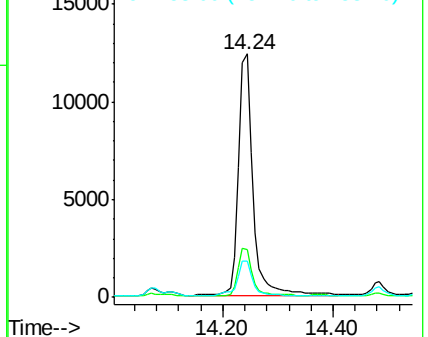
152 100

151 19.6 17.1 25.7

153 15.0 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: 1.63 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094245.D

Acq: 10 Oct 2017 6:05

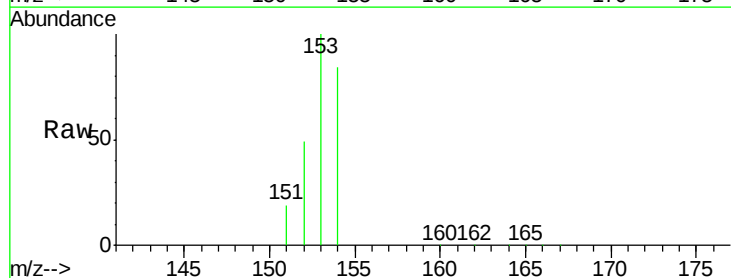
Tgt Ion:153 Resp: 37357

Ion Ratio Lower Upper

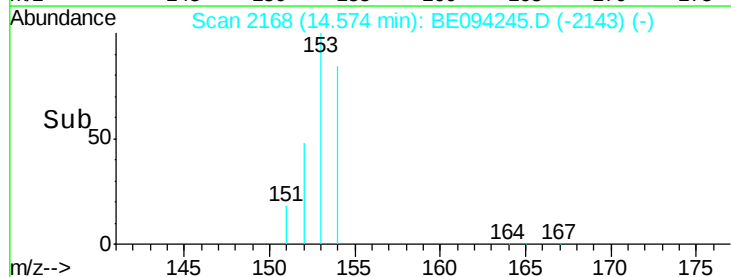
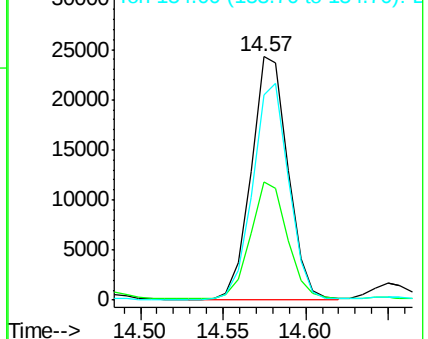
153 100

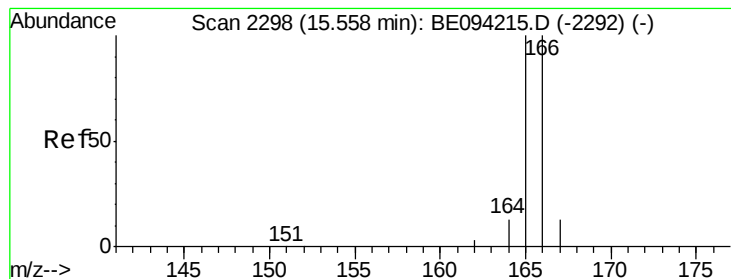
152 48.5 40.3 60.5

154 84.2 71.4 107.2



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: 1.48 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094245.D

Acq: 10 Oct 2017 6:05

Instrument :

BNA_E

ClientSampleId :

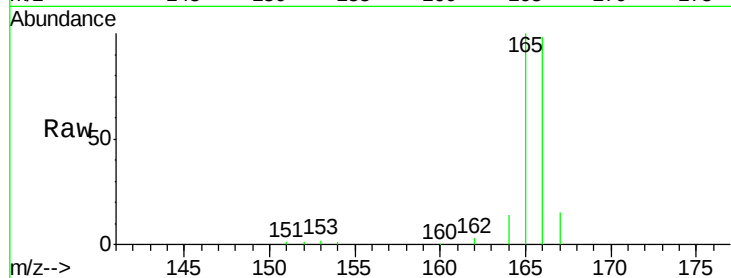
Tot Ion:166 Resp: 39873

Ion Ratio Lower Upper

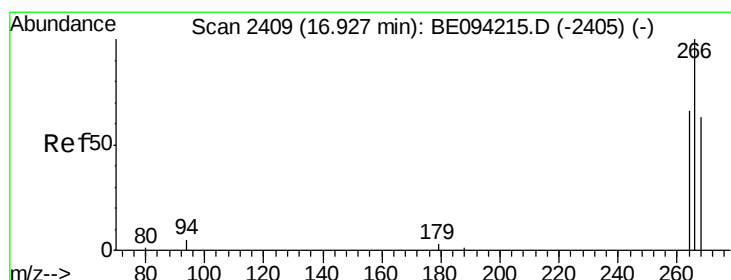
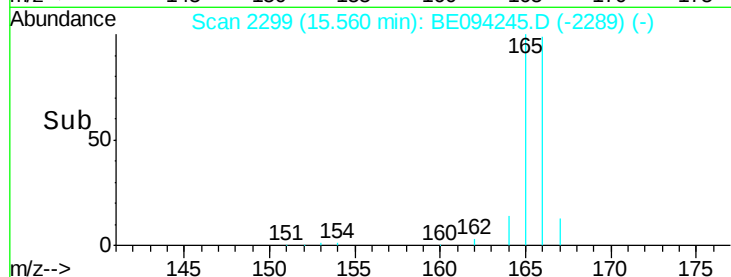
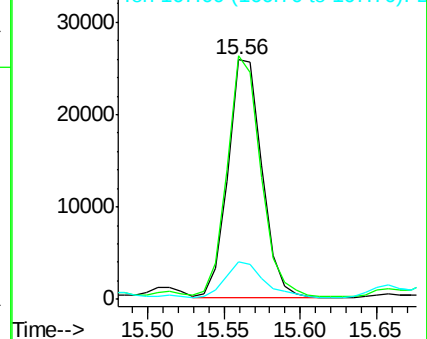
166 100

165 101.6 73.4 110.2

167 15.7 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: 0.02 ng/ul

RT: 16.93 min Scan# 2410

Delta R.T. -0.02 min

Lab File: BE094245.D

Acq: 10 Oct 2017 6:05

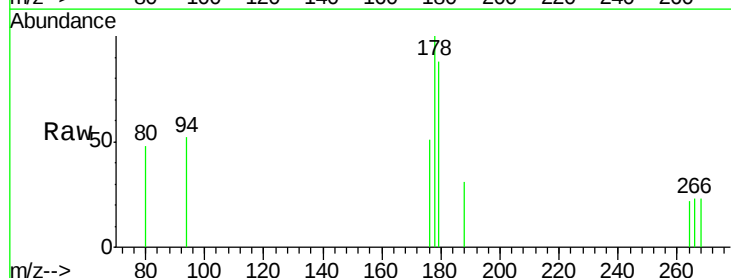
Tgt Ion:266 Resp: 43

Ion Ratio Lower Upper

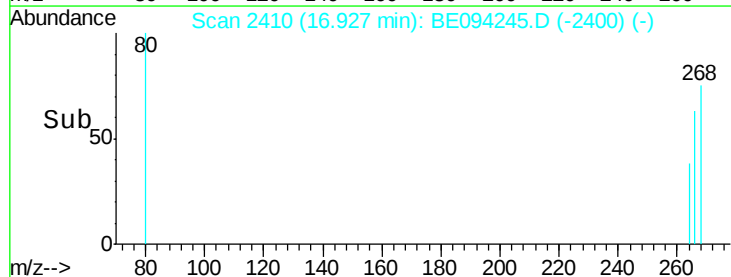
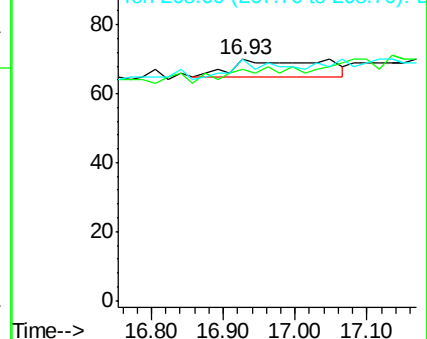
266 100

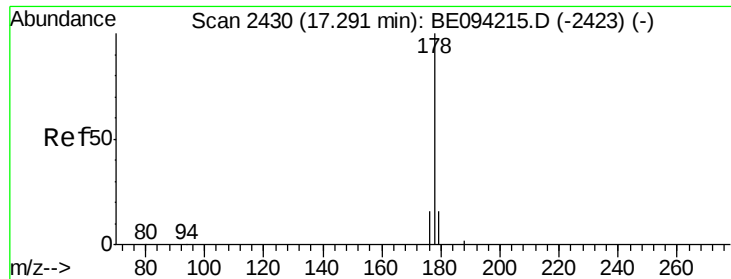
264 0.0 47.9 71.9#

268 72.1 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: 22.56 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094245.D

Acq: 10 Oct 2017 6:05

Instrument :

BNA_E

ClientSampleId :

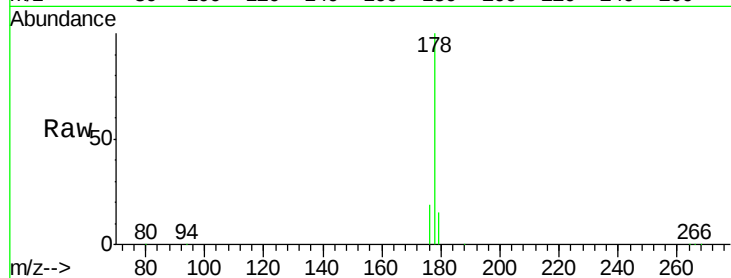
Tot Ion:178 Resp: 873416

Ion Ratio Lower Upper

178 100

179 15.3 18.4 27.6#

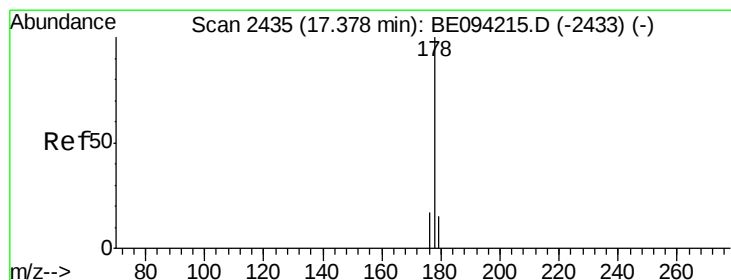
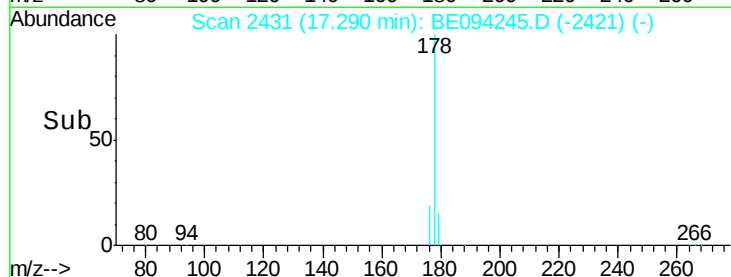
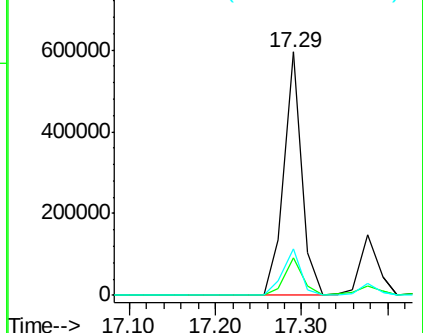
176 19.1 13.6 20.4



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: 5.87 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094245.D

Acq: 10 Oct 2017 6:05

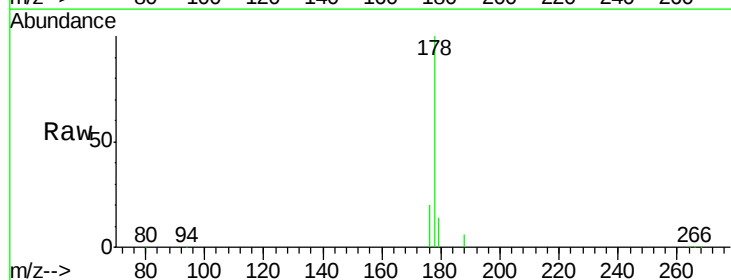
Tgt Ion:178 Resp: 220972

Ion Ratio Lower Upper

178 100

179 14.4 18.1 27.1#

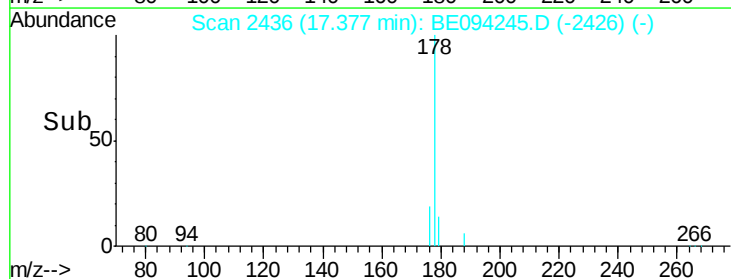
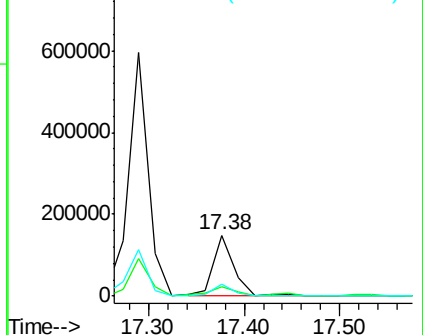
176 19.5 14.7 22.1

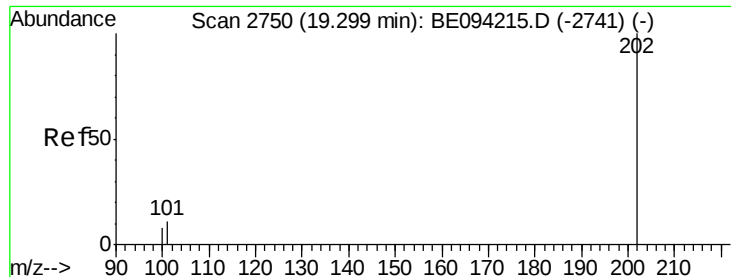


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 30.20 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.00 min

Lab File: BE094245.D

Acq: 10 Oct 2017 6:05

Instrument :

BNA_E

ClientSampleId :

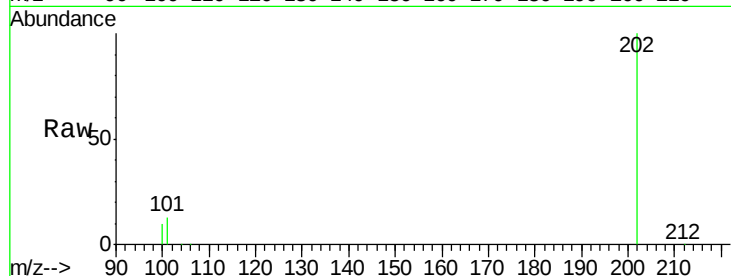
Tot Ion:202 Resp: 1536532

Ion Ratio Lower Upper

202 100

101 12.6 0.0 30.3

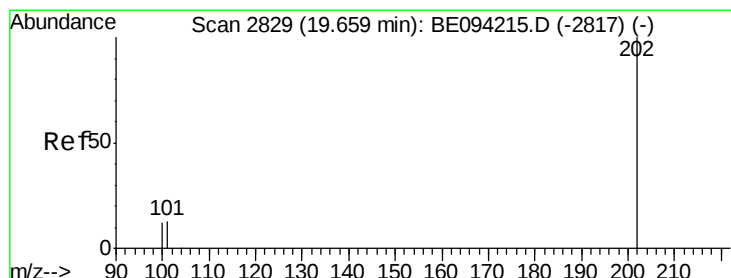
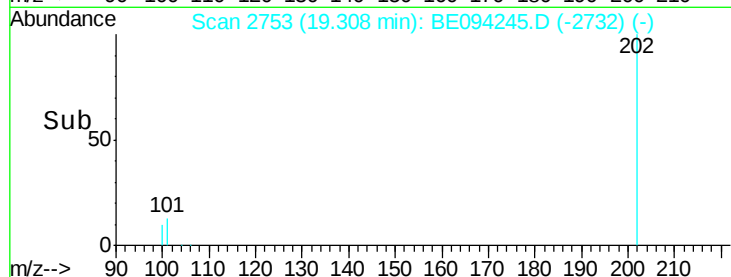
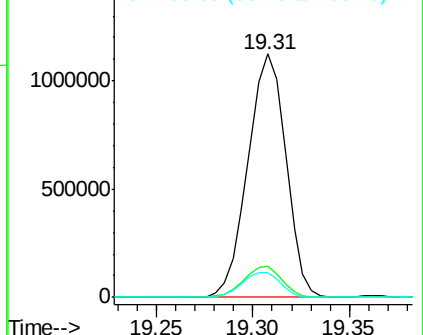
100 10.1 0.0 39.5



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: 37.97 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BE094245.D

Acq: 10 Oct 2017 6:05

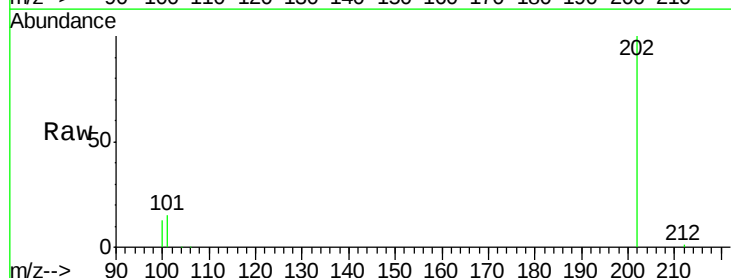
Tgt Ion:202 Resp: 1442462

Ion Ratio Lower Upper

202 100

101 15.4 18.2 27.4#

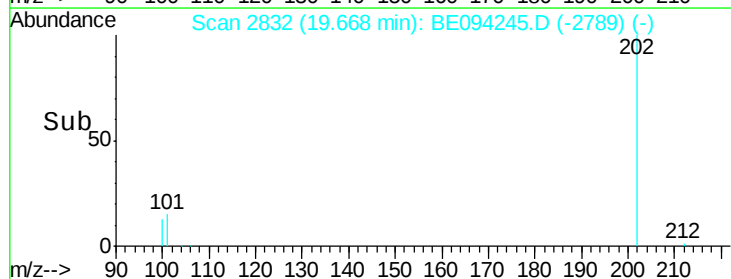
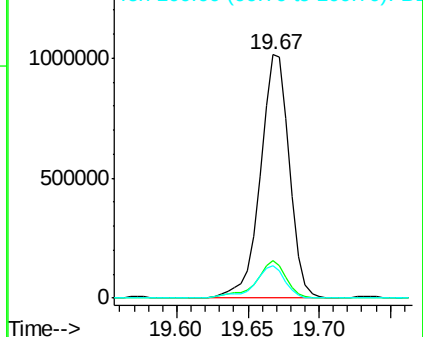
100 13.4 15.6 23.4#

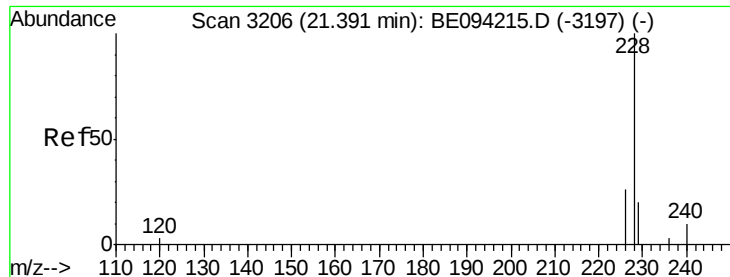


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 20.95 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BE094245.D

Acq: 10 Oct 2017 6:05

Instrument :

BNA_E

ClientSampleId :

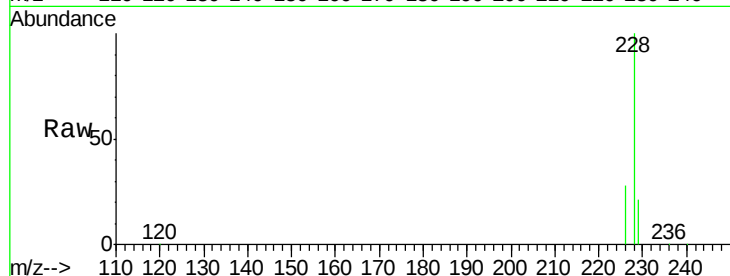
Tot Ion:228 Resp: 758875

Ion Ratio Lower Upper

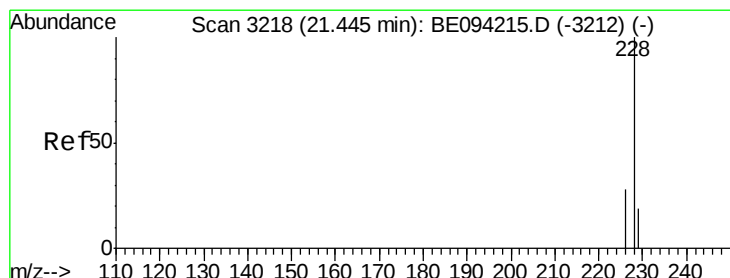
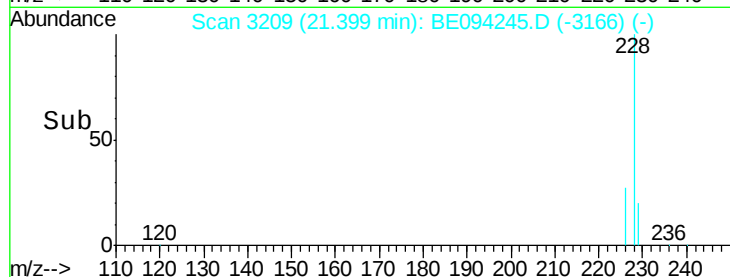
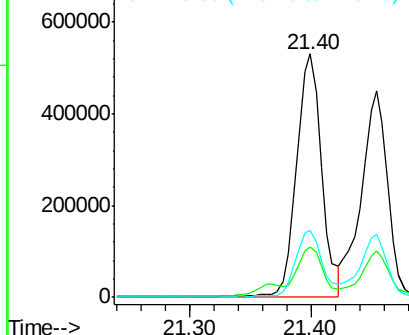
228 100

229 20.9 22.8 34.2#

226 27.7 17.0 25.6#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 16.23 ng/ul

RT: 21.45 min Scan# 3221

Delta R.T. 0.00 min

Lab File: BE094245.D

Acq: 10 Oct 2017 6:05

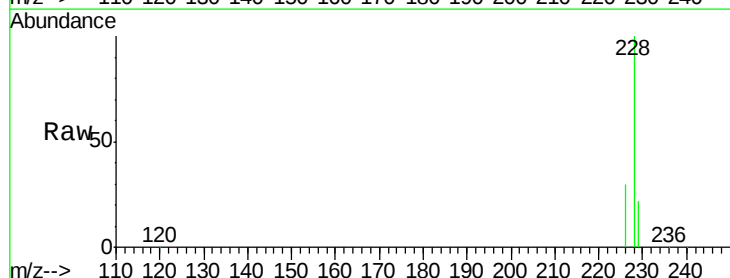
Tgt Ion:228 Resp: 678967

Ion Ratio Lower Upper

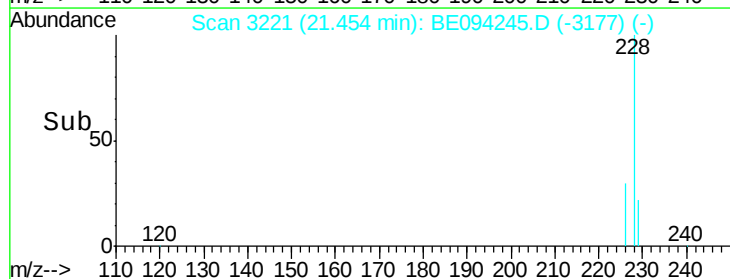
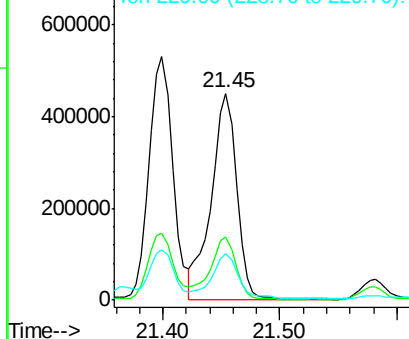
228 100

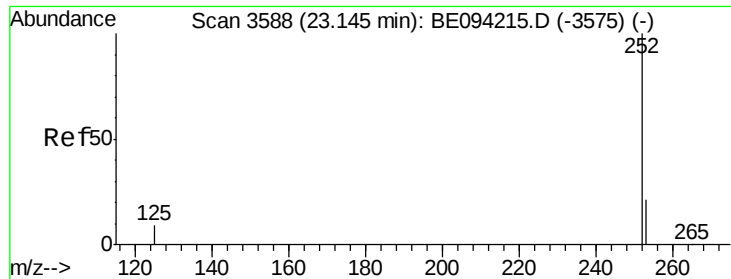
226 30.3 23.4 35.0

229 22.4 17.7 26.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.39 ng/ul

RT: 23.16 min Scan# 3593

Delta R.T. 0.01 min

Lab File: BE094245.D

Acq: 10 Oct 2017 6:05

Instrument :

BNA_E

ClientSampleId :

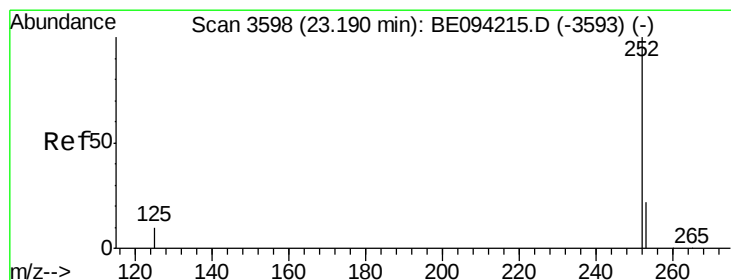
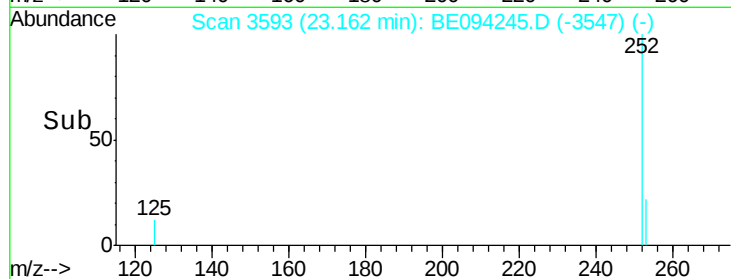
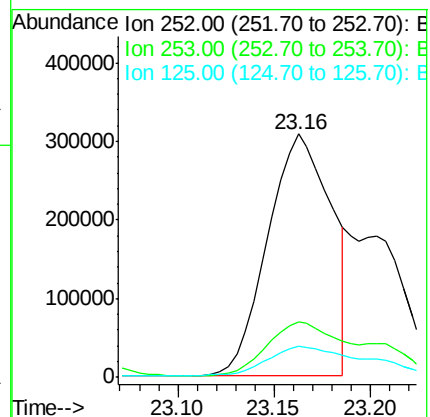
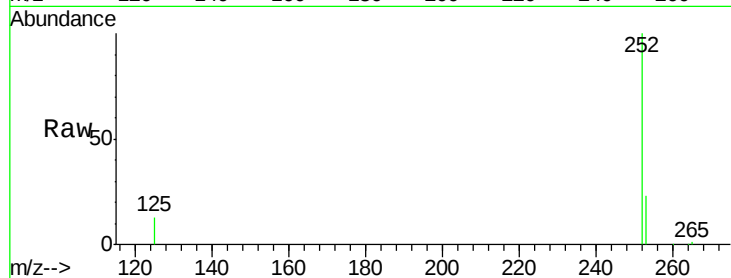
Tot Ion:252 Resp: 706412

Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

125 12.6 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 0.33 ng/ul

RT: 23.16 min Scan# 3593

Delta R.T. -0.04 min

Lab File: BE094245.D

Acq: 10 Oct 2017 6:05

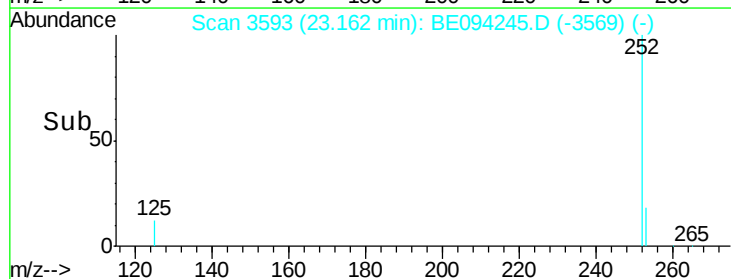
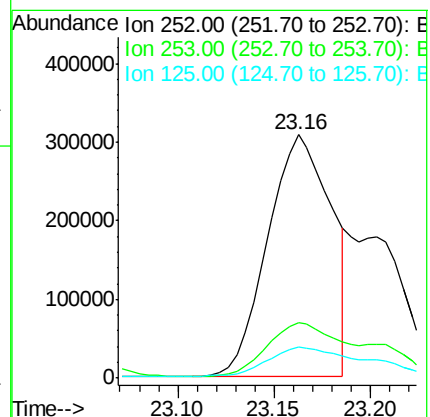
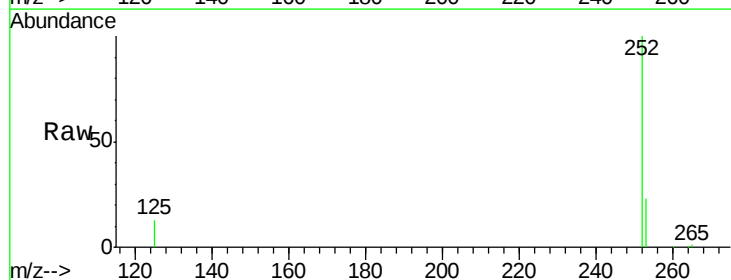
Tgt Ion:252 Resp: 706412

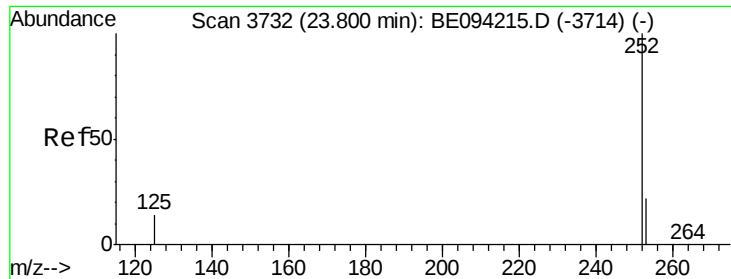
Ion Ratio Lower Upper

252 100

253 22.9 24.5 36.7#

125 12.6 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.20 ng/ul

RT: 23.71 min Scan# 3713

Delta R.T. -0.10 min

Lab File: BE094245.D

Acq: 10 Oct 2017 6:05

Instrument :

BNA_E

ClientSampleId :

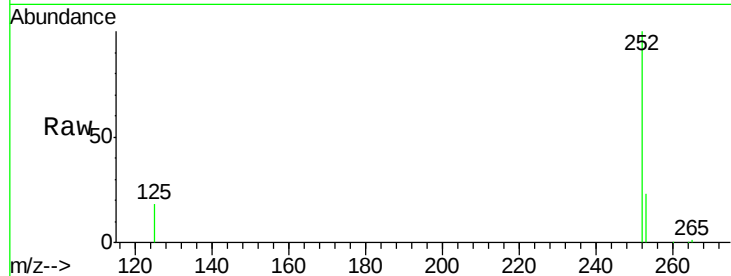
Tot Ion:252 Resp: 374600

Ion Ratio Lower Upper

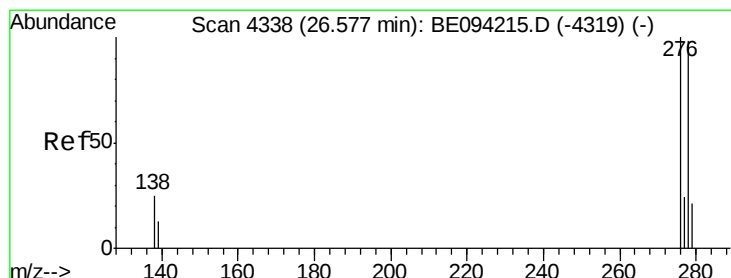
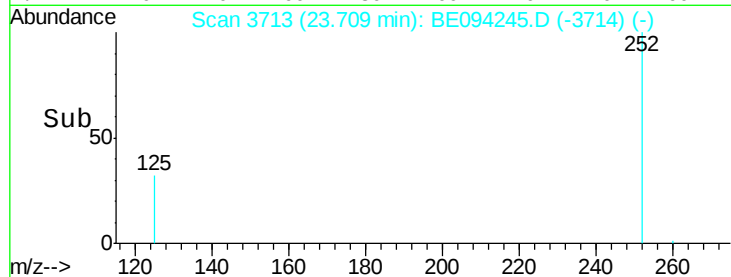
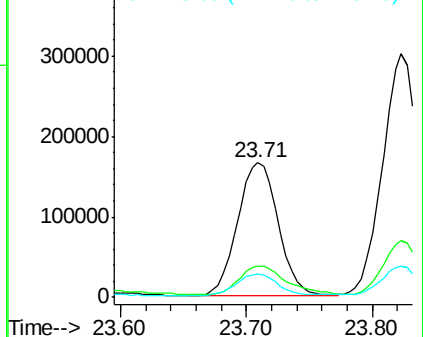
252 100

253 23.2 28.5 42.7#

125 17.6 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



#25

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 26.59 min Scan# 4342

Delta R.T. -0.01 min

Lab File: BE094245.D

Acq: 10 Oct 2017 6:05

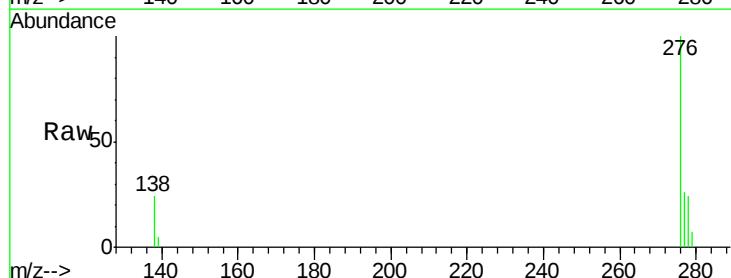
Tgt Ion:278 Resp: 59585

Ion Ratio Lower Upper

278 100

139 21.2 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

