

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101417\
 Data File : BE094367.D
 Acq On : 14 Oct 2017 22:27
 Operator : SJ/JU
 Sample : I5548-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 15 01:10:32 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 14 05:22:31 2017
 Response via : Initial Calibration

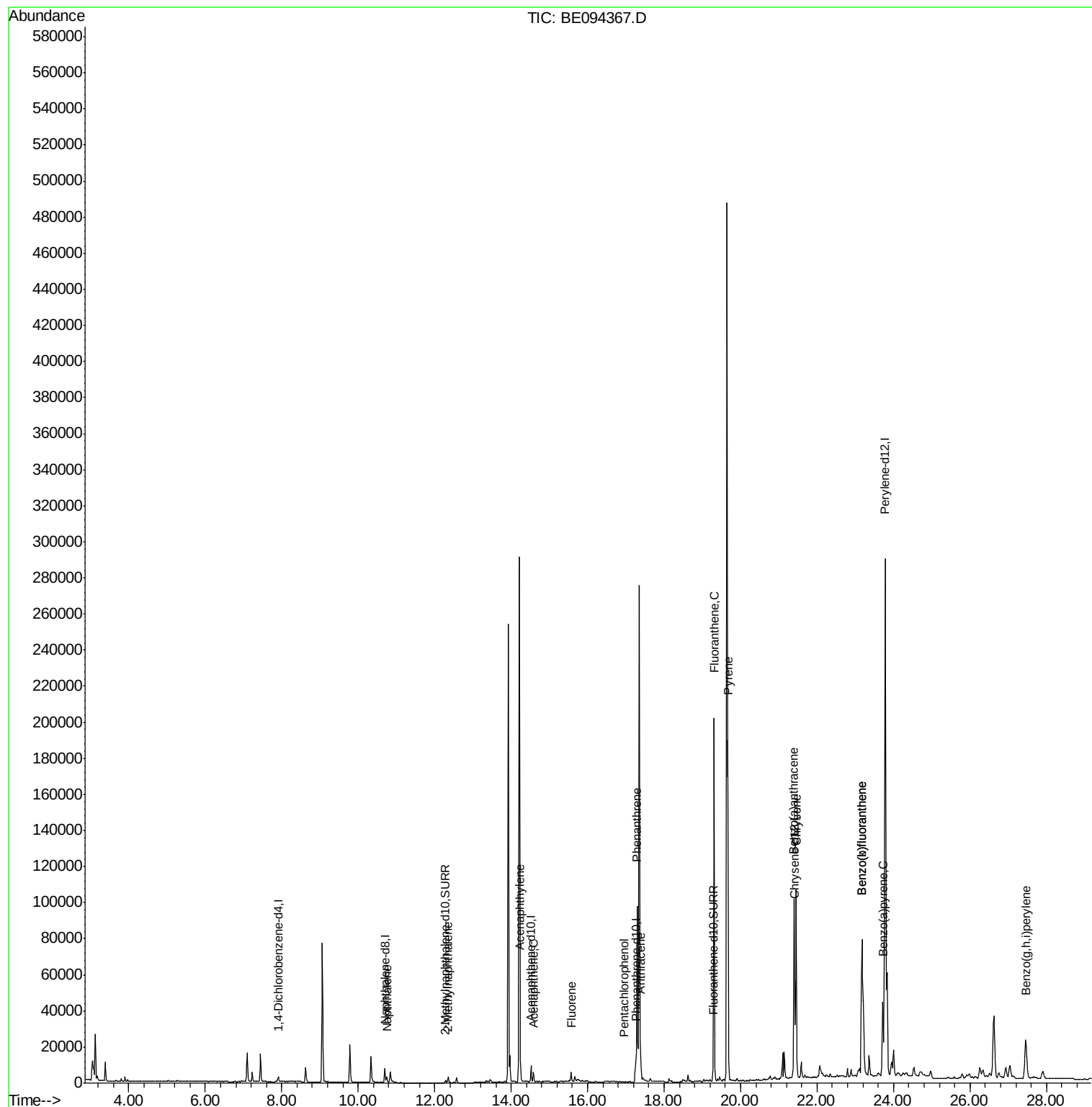
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1521	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.70	136	8033	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.52	164	5157	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11694	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	11934	0.40	ng/ul	-0.02
20) Perylene-d12	23.78	264	389839	0.40	ng/ul	-0.19
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	2289	0.18	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	6359	0.16	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	4842	0.246	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	3210	0.251	ng/ul	97
7) Acenaphthylene	14.24	152	4113	0.205	ng/ul	97
8) Acenaphthene	14.58	153	3185	0.192	ng/ul	98
9) Fluorene	15.57	166	3525	0.182	ng/ul	92
11) Pentachlorophenol	16.96	266	28	0.020	ng/ul#	27
12) Phenanthrene	17.29	178	105330	3.447	ng/ul#	88
13) Anthracene	17.38	178	16121	0.542	ng/ul#	90
15) Fluoranthene	19.31	202	222047	5.530	ng/ul	84
17) Pyrene	19.67	202	194985	5.872	ng/ul#	79
18) Benzo(a)anthracene	21.40	228	93559	2.955	ng/ul#	86
19) Chrysene	21.46	228	111890	3.060	ng/ul	99
21) Benzo(b)fluoranthene	23.17	252	111908	0.106	ng/ul	87
22) Benzo(k)fluoranthene	23.17	252	111908	0.091	ng/ul#	89
23) Benzo(a)pyrene	23.72	252	64843	0.059	ng/ul#	85
26) Benzo(a,h,i)perylene	27.46	276	34135	0.035	ng/ul	98

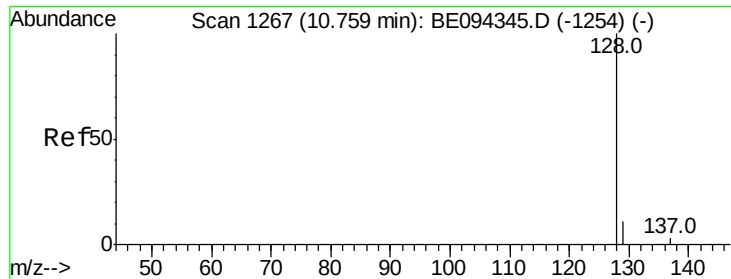
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 14 05:22:31 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.246 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE094367.D

Acq: 14 Oct 2017 22:27

Instrument :

BNA_E

ClientSampleId :

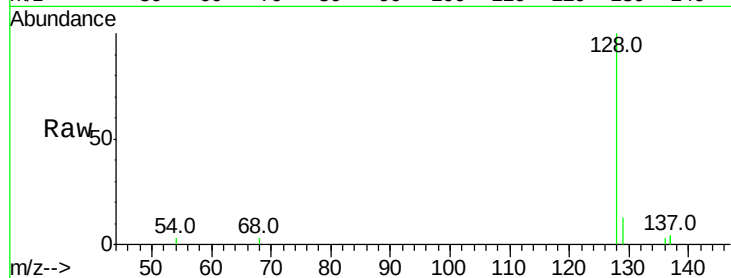
Tot Ion:128 Resp: 4842

Ion Ratio Lower Upper

128 100

129 13.1 11.3 16.9

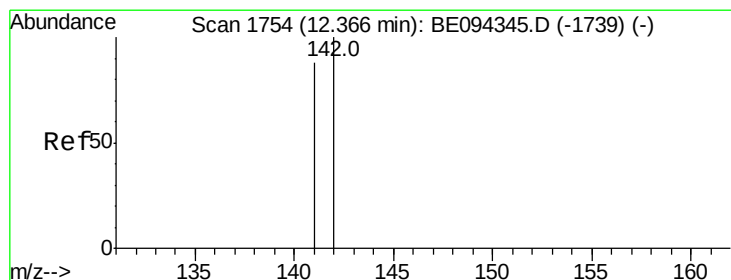
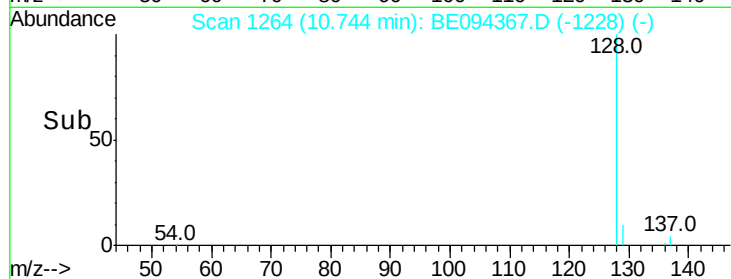
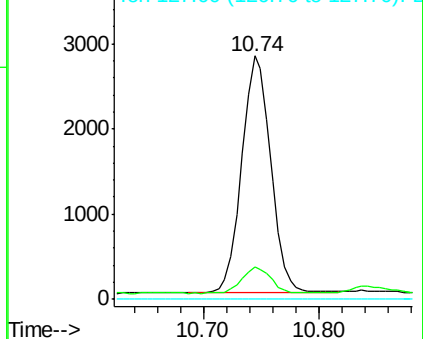
127 0.0 4.0 6.0#



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: 0.251 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094367.D

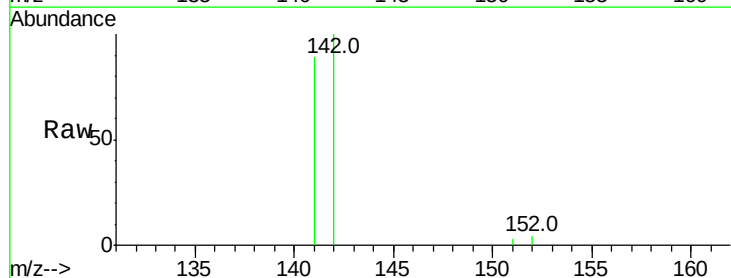
Acq: 14 Oct 2017 22:27

Tgt Ion:142 Resp: 3210

Ion Ratio Lower Upper

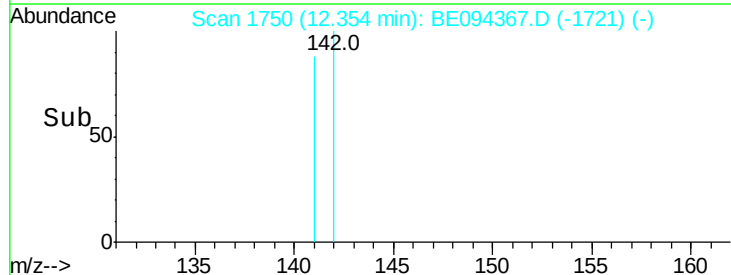
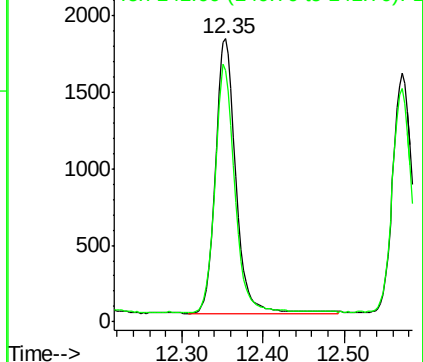
142 100

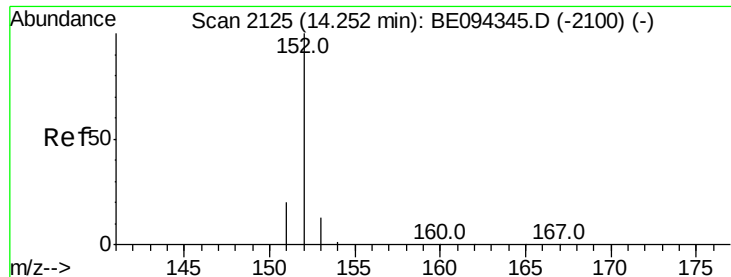
141 88.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.205 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094367.D

Acq: 14 Oct 2017 22:27

Instrument :

BNA_E

ClientSampleId :

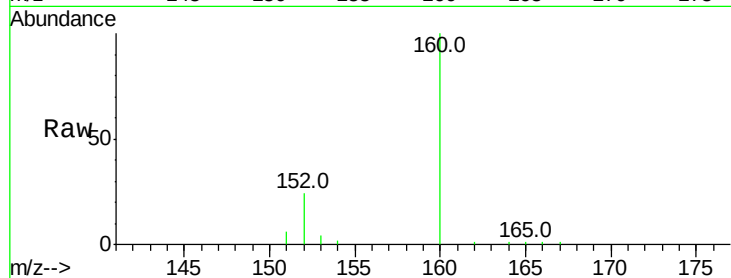
Tot Ion:152 Resp: 4113

Ion Ratio Lower Upper

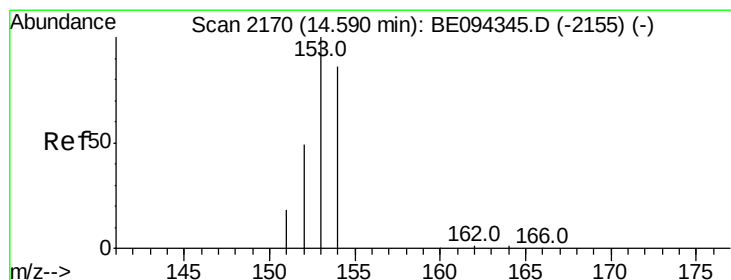
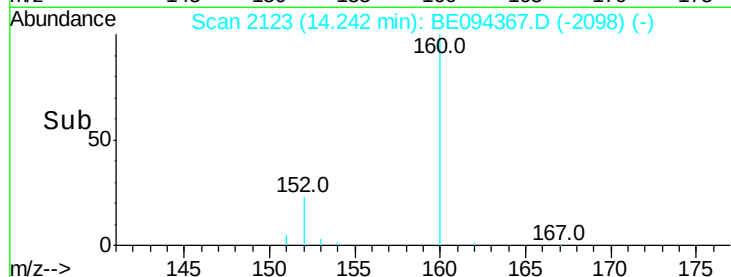
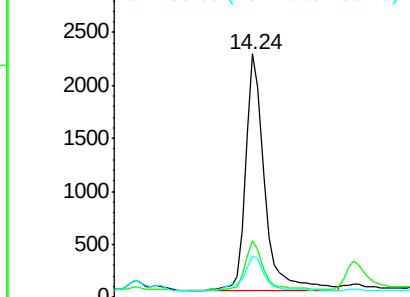
152 100

151 23.2 17.1 25.7

153 17.1 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: 0.192 ng/ul

RT: 14.58 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094367.D

Acq: 14 Oct 2017 22:27

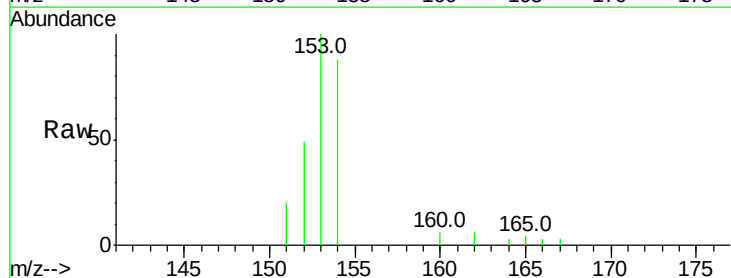
Tgt Ion:153 Resp: 3185

Ion Ratio Lower Upper

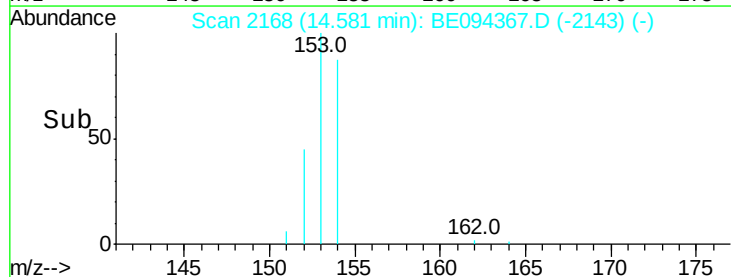
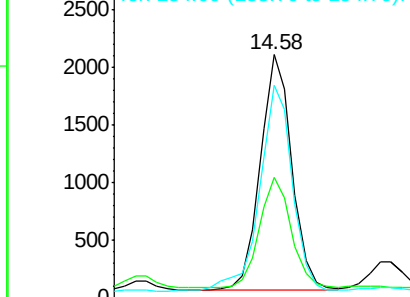
153 100

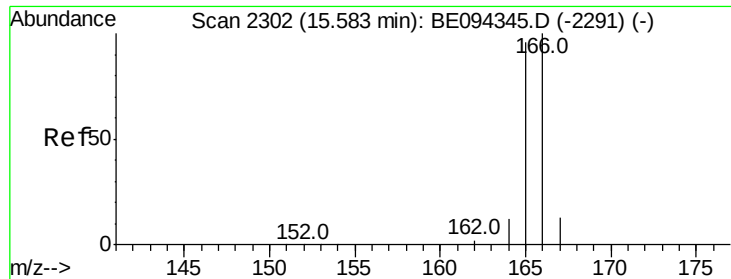
152 49.4 40.3 60.5

154 87.5 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: 0.182 ng/ul

RT: 15.57 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094367.D

Acq: 14 Oct 2017 22:27

Instrument :

BNA_E

ClientSampleId :

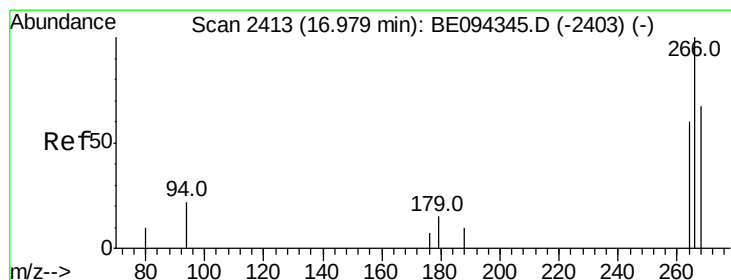
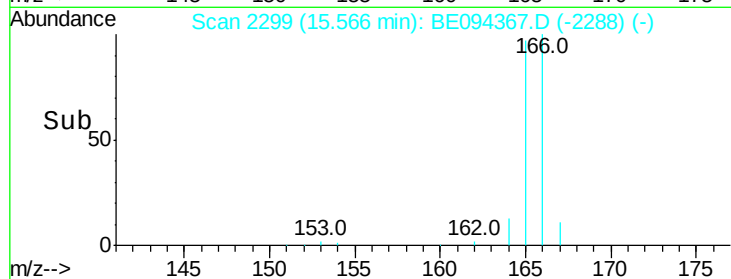
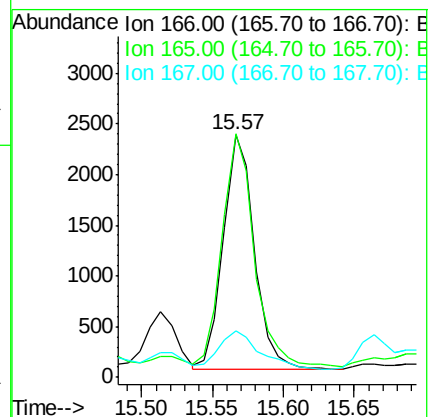
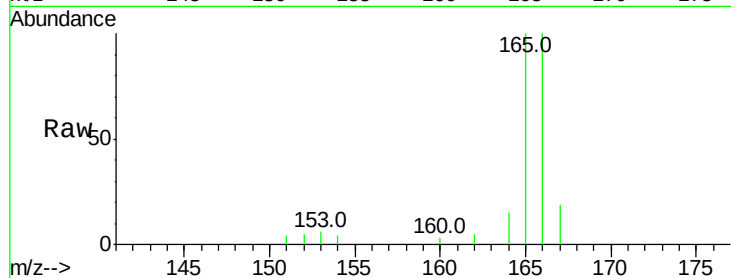
Tot Ion:166 Resp: 3525

Ion Ratio Lower Upper

166 100

165 100.3 73.4 110.2

167 19.0 14.6 22.0



#11

Pentachlorophenol

Concen: 0.020 ng/ul

RT: 16.96 min Scan# 2411

Delta R.T. -0.02 min

Lab File: BE094367.D

Acq: 14 Oct 2017 22:27

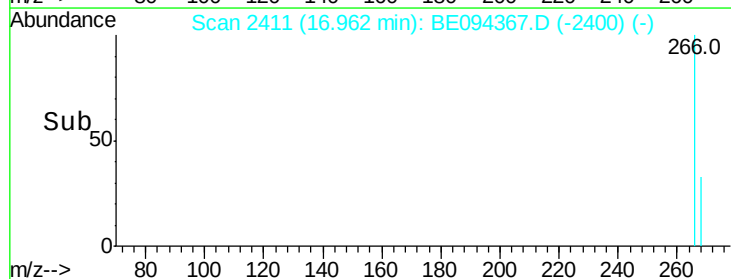
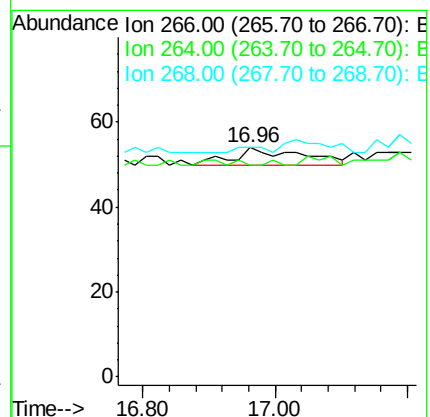
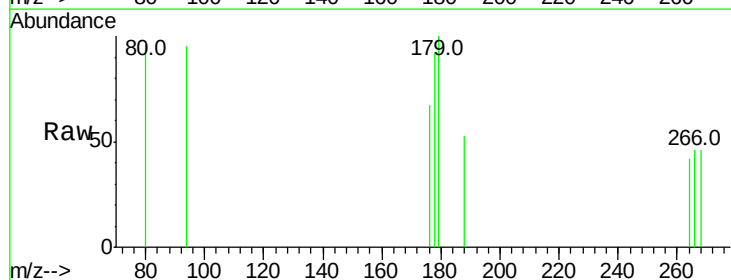
Tgt Ion:266 Resp: 28

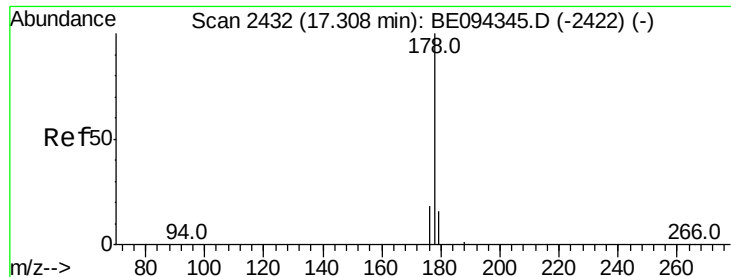
Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

268 10.7 49.8 74.8#





#12

Phenanthrene

Concen: 3.447 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BE094367.D

Acq: 14 Oct 2017 22:27

Instrument :

BNA_E

ClientSampleId :

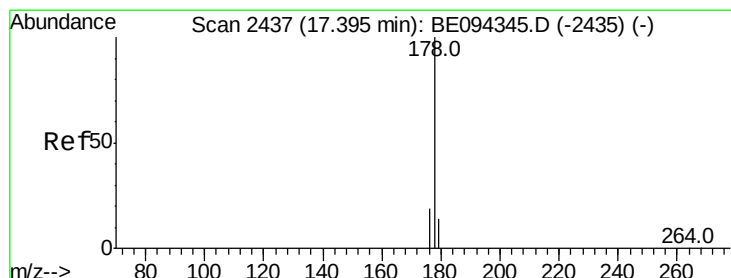
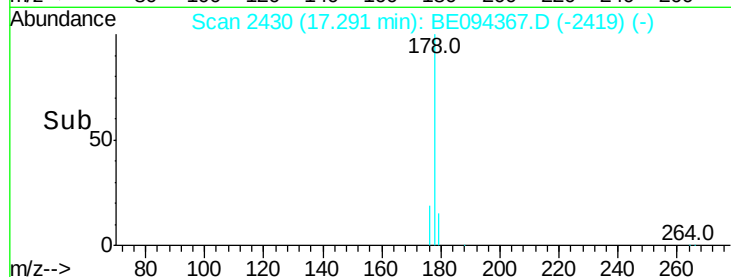
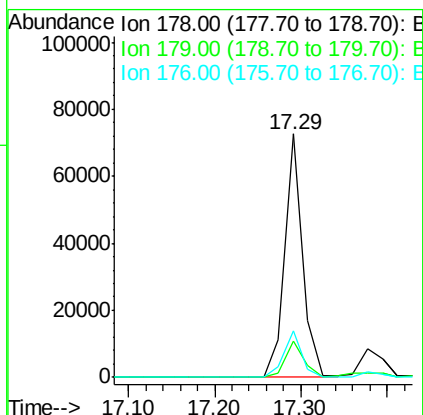
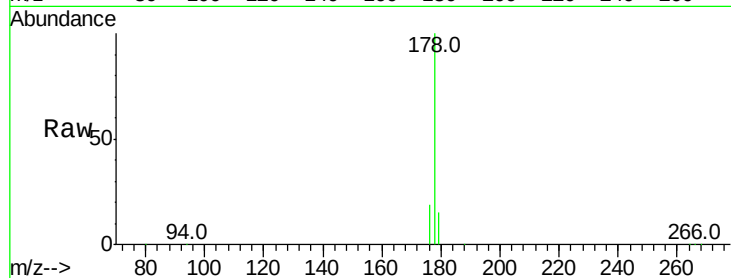
Tot Ion:178 Resp: 105330

Ion Ratio Lower Upper

178 100

179 14.9 18.4 27.6#

176 19.3 13.6 20.4



#13

Anthracene

Concen: 0.542 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. -0.02 min

Lab File: BE094367.D

Acq: 14 Oct 2017 22:27

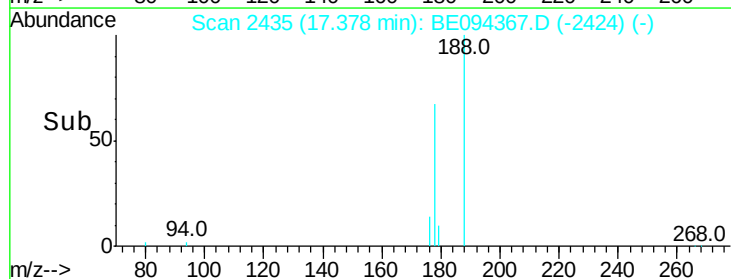
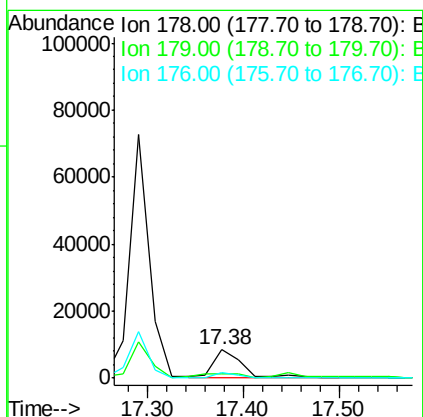
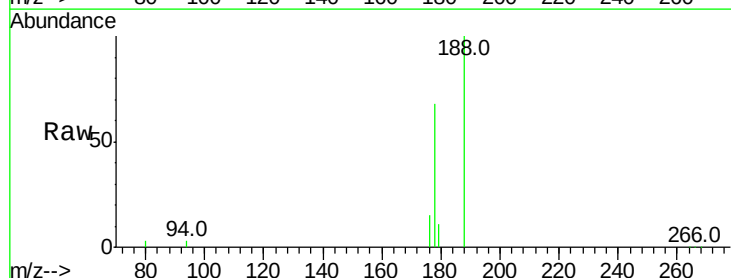
Tgt Ion:178 Resp: 16121

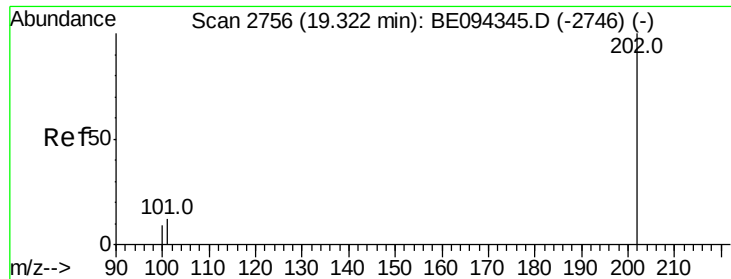
Ion Ratio Lower Upper

178 100

179 16.3 18.1 27.1#

176 21.5 14.7 22.1





#15

Fluoranthene

Concen: 5.530 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094367.D

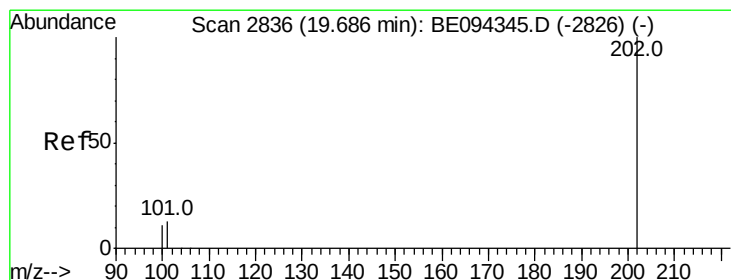
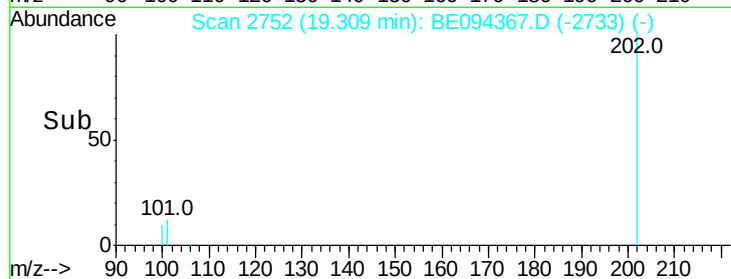
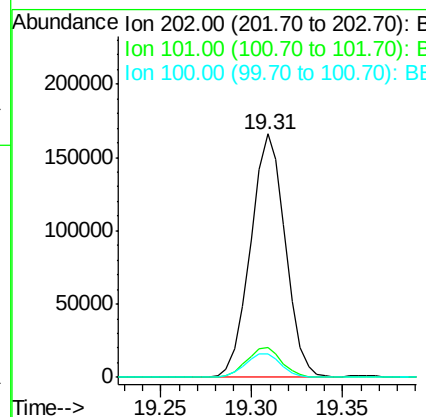
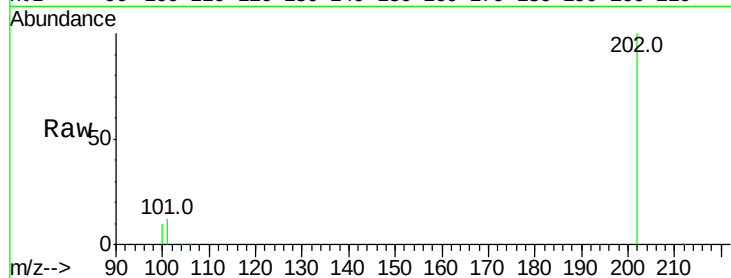
Acq: 14 Oct 2017 22:27

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	202	Resp:	222047
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	30.3
100	9.6	0.0	39.5



#17

Pyrene

Concen: 5.872 ng/ul

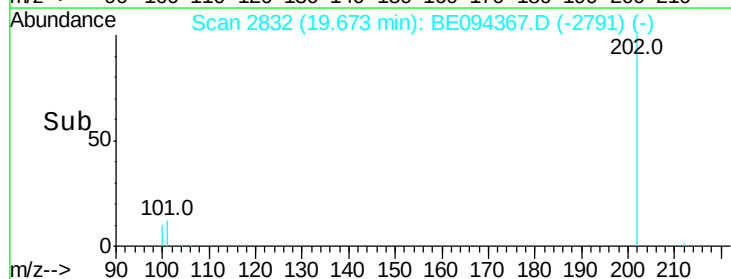
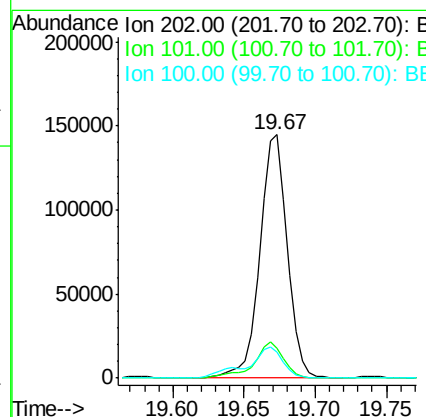
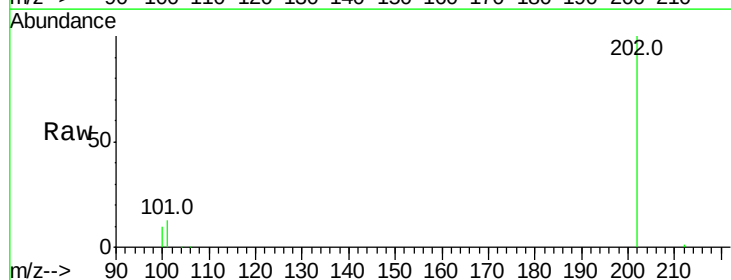
RT: 19.67 min Scan# 2832

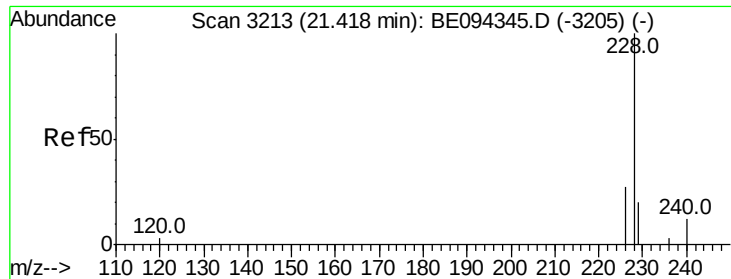
Delta R.T. -0.01 min

Lab File: BE094367.D

Acq: 14 Oct 2017 22:27

Tgt Ion:	202	Resp:	194985
Ion	Ratio	Lower	Upper
202	100		
101	12.5	18.2	27.4#
100	10.5	15.6	23.4#

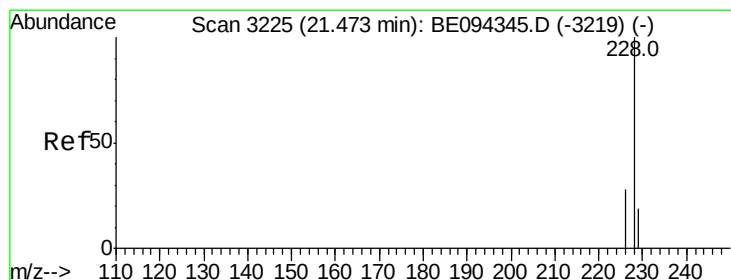
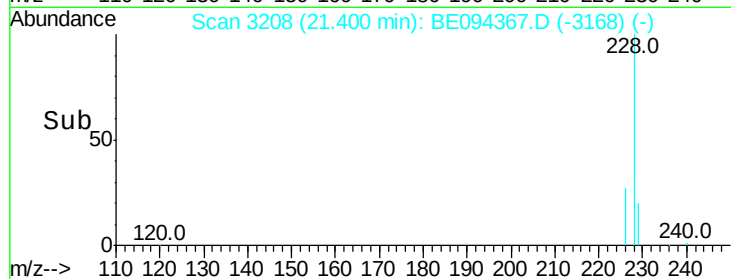
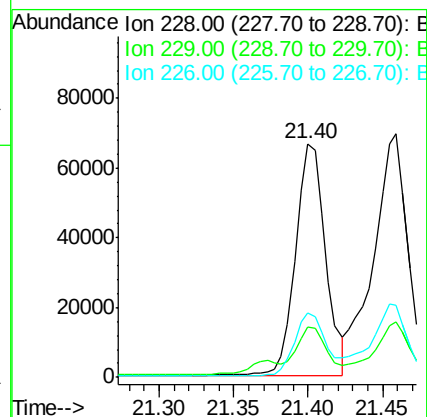
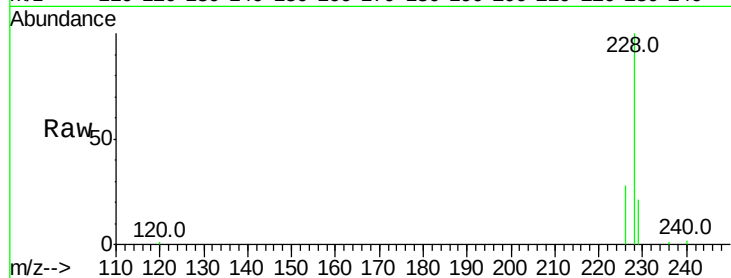




#18
Benzo(a)anthracene
Concen: 2.955 ng/ul
RT: 21.40 min Scan# 3208
Delta R.T. -0.02 min
Lab File: BE094367.D
Acq: 14 Oct 2017 22:27

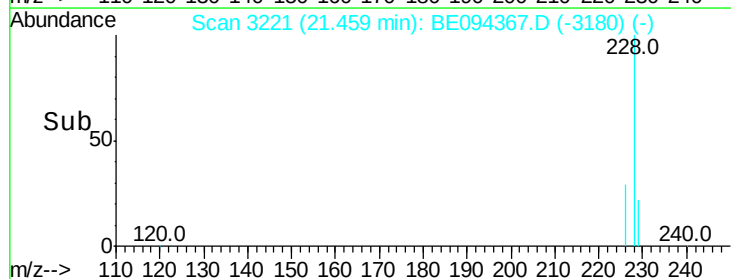
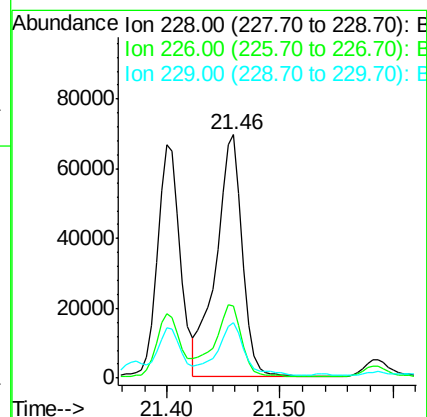
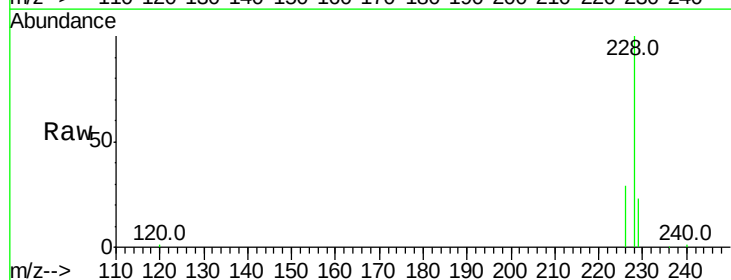
Instrument :
BNA_E
ClientSampleId :

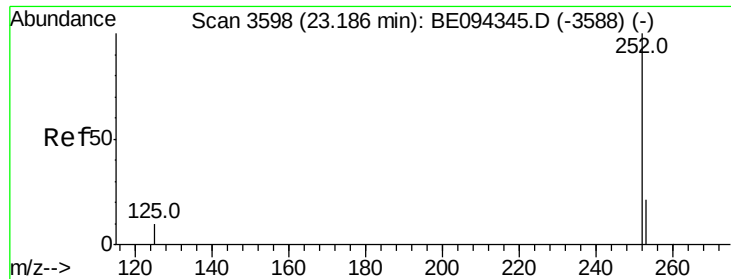
Tot Ion:228 Resp: 93559
Ion Ratio Lower Upper
228 100
229 21.3 22.8 34.2#
226 27.7 17.0 25.6#



#19
Chrysene
Concen: 3.060 ng/ul
RT: 21.46 min Scan# 3221
Delta R.T. -0.01 min
Lab File: BE094367.D
Acq: 14 Oct 2017 22:27

Tgt Ion:228 Resp: 111890
Ion Ratio Lower Upper
228 100
226 29.4 23.4 35.0
229 22.6 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.106 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.01 min

Lab File: BE094367.D

Acq: 14 Oct 2017 22:27

Instrument :

BNA_E

ClientSampleId :

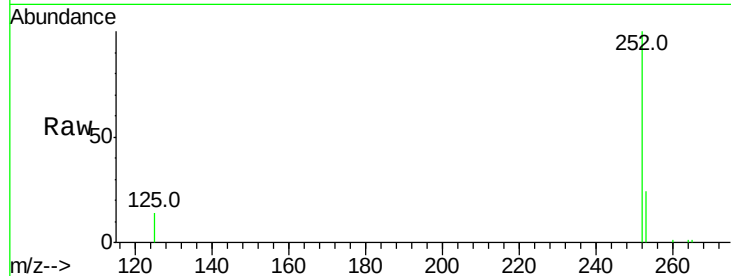
Tot Ion:252 Resp: 111908

Ion Ratio Lower Upper

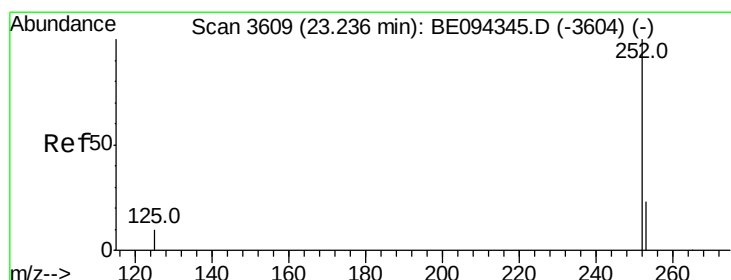
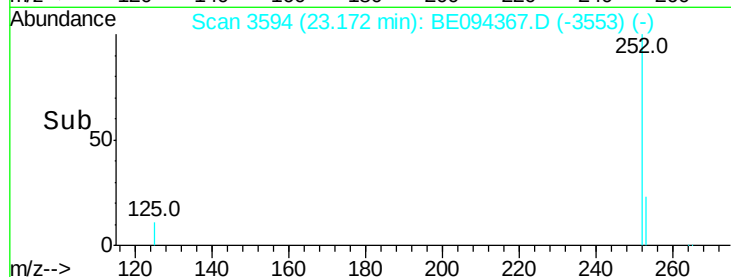
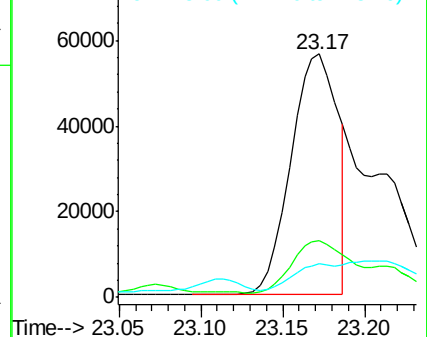
252 100

253 23.5 0.0 64.2

125 13.7 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: 0.091 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.06 min

Lab File: BE094367.D

Acq: 14 Oct 2017 22:27

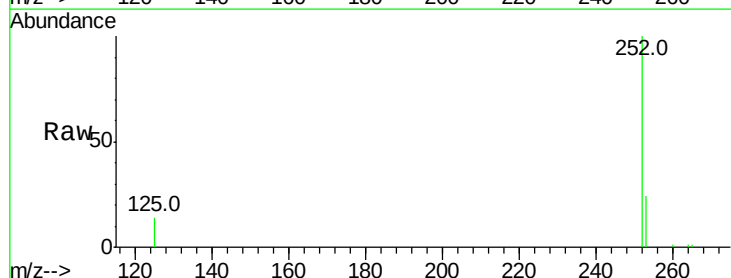
Tgt Ion:252 Resp: 111908

Ion Ratio Lower Upper

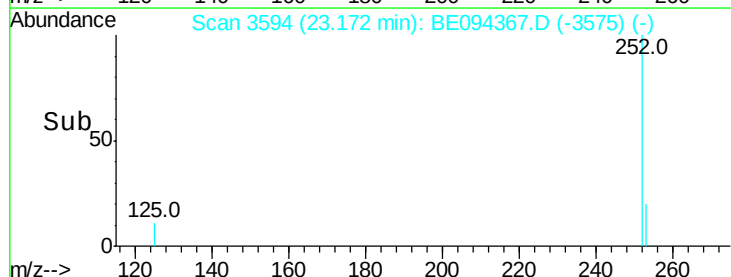
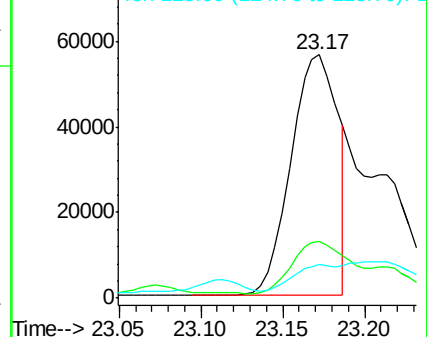
252 100

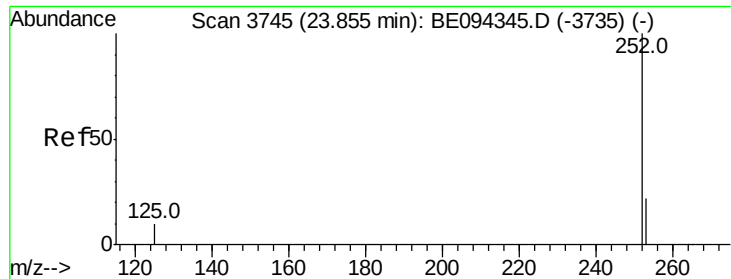
253 23.5 24.5 36.7#

125 13.7 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: 0.059 ng/ul

RT: 23.72 min Scan# 3714

Delta R.T. -0.14 min

Lab File: BE094367.D

Acq: 14 Oct 2017 22:27

Instrument :

BNA_E

ClientSampleId :

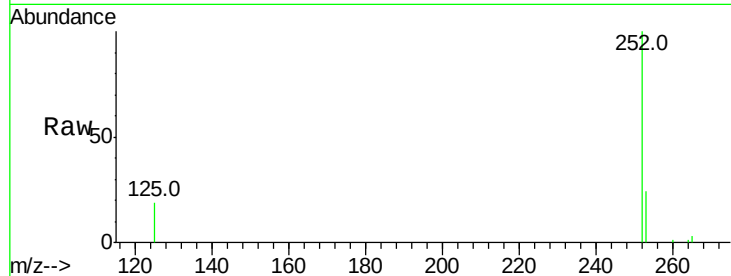
Tot Ion:252 Resp: 64843

Ion Ratio Lower Upper

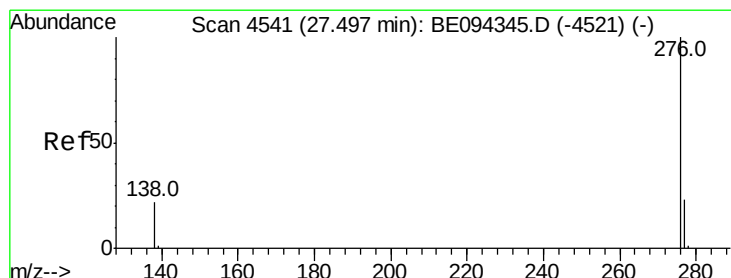
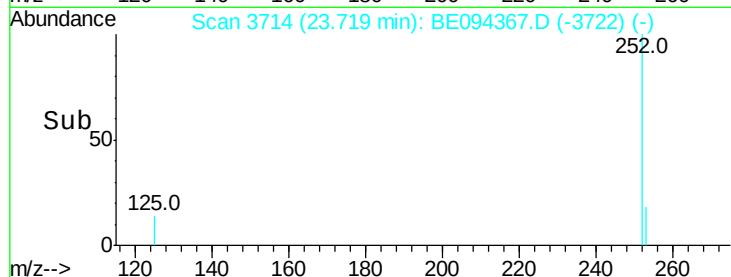
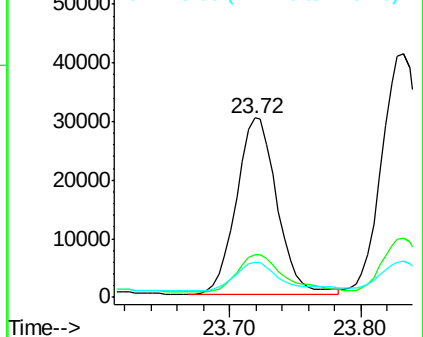
252 100

253 23.8 28.5 42.7#

125 19.3 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



#26

Benzo(g,h,i)perylene

Concen: 0.035 ng/ul

RT: 27.46 min Scan# 4532

Delta R.T. -0.04 min

Lab File: BE094367.D

Acq: 14 Oct 2017 22:27

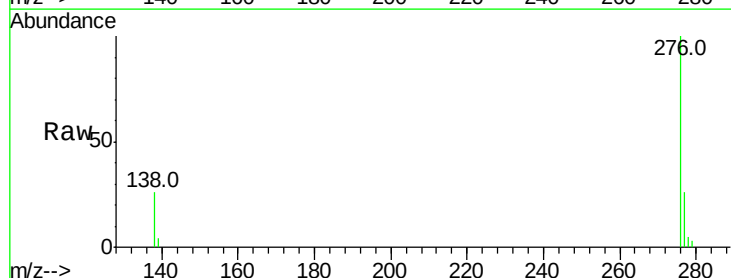
Tgt Ion:276 Resp: 34135

Ion Ratio Lower Upper

276 100

138 25.9 21.8 32.8

277 25.9 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

