

Data File : BE093357.D
Acq On : 24 Jun 2017 12:11
Operator : SJ/JU
Sample : I3653-12DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5E22DL

Quant Time: Jun 26 01:14:05 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 01:13:30 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1416	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	7125	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4302	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	10526	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	11606	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11783	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	1303	0.12	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	3596	0.13	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	96852	5.48	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	5705	0.47	ng/ul	98
7) Acenaphthylene	14.08	152	632	0.03	ng/ul#	82
8) Acenaphthene	14.42	153	5540	0.37	ng/ul	99
9) Fluorene	15.41	166	6961	0.40	ng/ul	91
12) Phenanthrene	17.14	178	25175	0.87	ng/ul#	91
13) Anthracene	17.22	178	5209	0.21	ng/ul#	92
15) Fluoranthene	19.15	202	11056	0.31	ng/ul	84
17) Pyrene	19.51	202	9053	0.26	ng/ul#	89
18) Benzo(a)anthracene	21.24	228	2396	0.08	ng/ul#	85
19) Chrysene	21.29	228	2245	0.07	ng/ul	96
21) Benzo(b)fluoranthene	22.93	252	2428	0.07	ng/ul#	81
22) Benzo(k)fluoranthene	22.93	252	2428	0.06	ng/ul#	79
23) Benzo(a)pyrene	23.55	252	1041	0.03	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.18	276	429	0.01	ng/ul#	61

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

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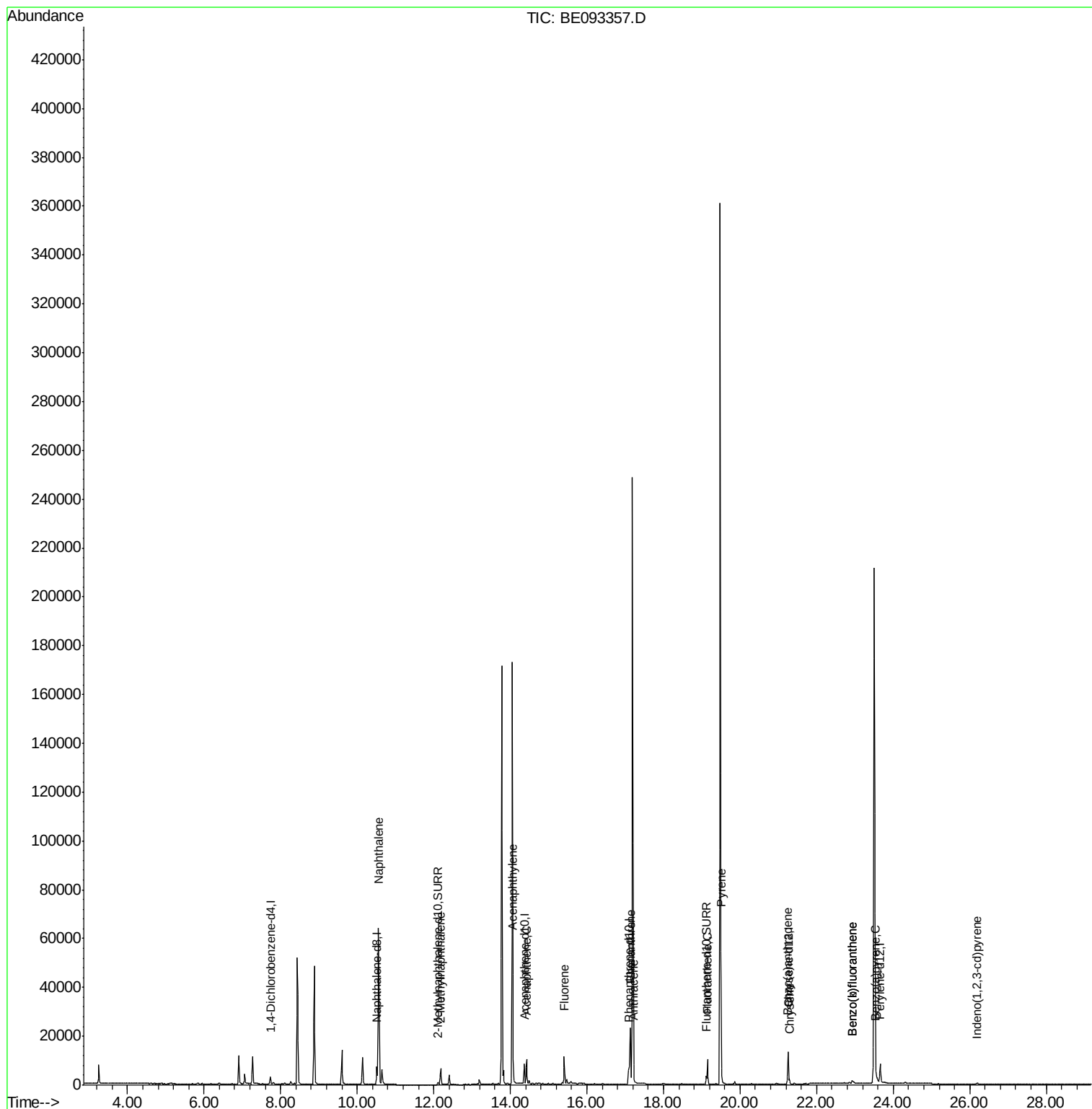
Quant Time: Jun 26 01:14:05 2017

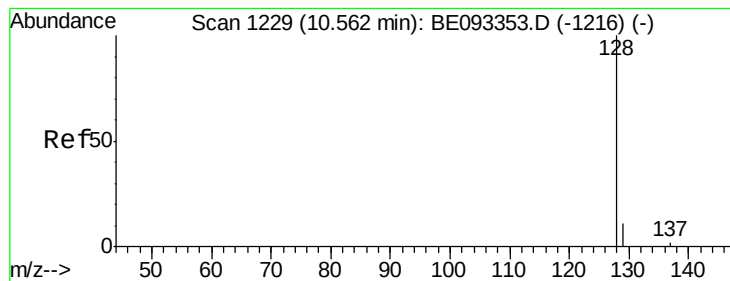
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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QLast Update : Mon Jun 26 01:13:30 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 5.48 ng/ul

RT: 10.56 min Scan# 1228

Delta R.T. -0.00 min

Lab File: BE093357.D

Acq: 24 Jun 2017 12:11

Instrument :

BNA_E

ClientSampleId :

F5E22DL

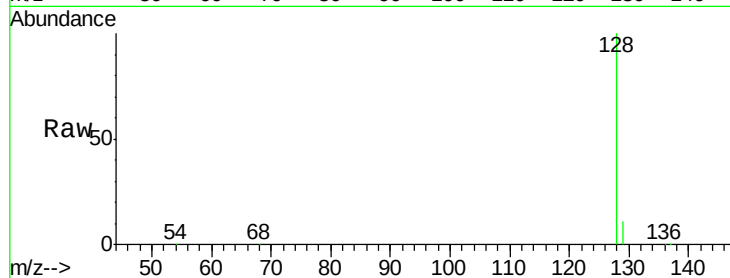
Tgt Ion:128 Resp: 96852

Ion Ratio Lower Upper

128 100

129 11.1 11.3 16.9#

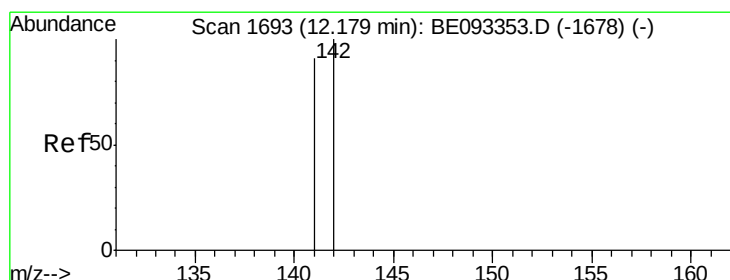
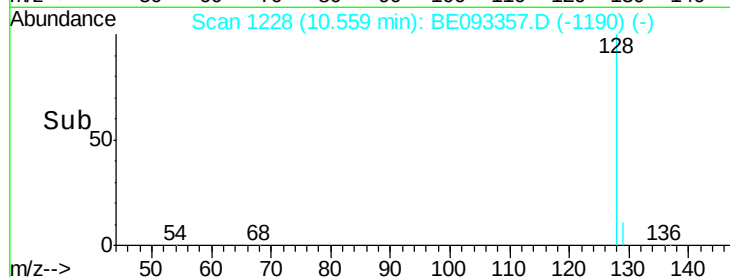
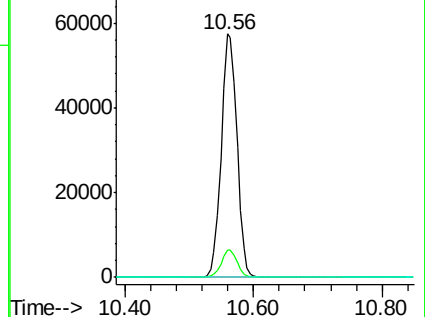
127 0.0 4.0 6.0#



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: 0.47 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. 0.00 min

Lab File: BE093357.D

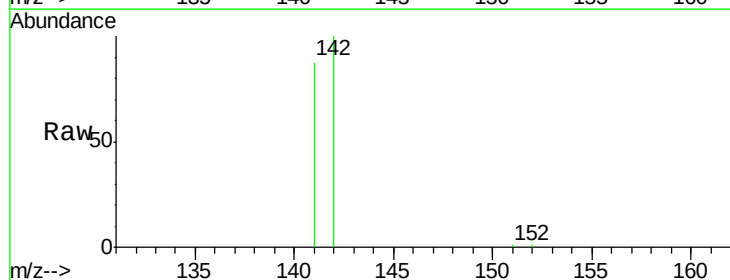
Acq: 24 Jun 2017 12:11

Tgt Ion:142 Resp: 5705

Ion Ratio Lower Upper

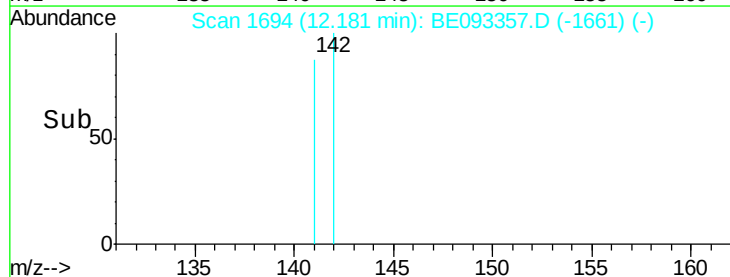
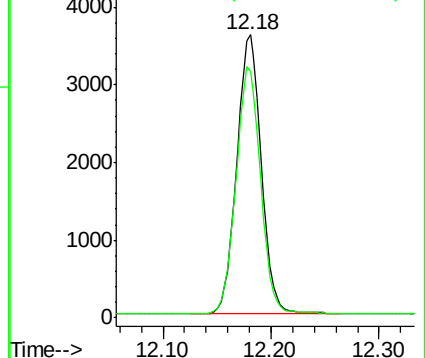
142 100

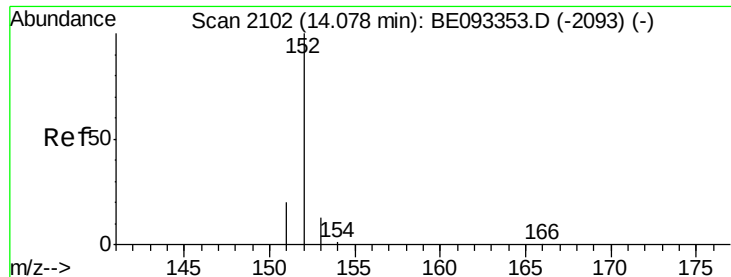
141 88.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093357.D

Acq: 24 Jun 2017 12:11

Instrument :

BNA_E

ClientSampleId :

F5E22DL

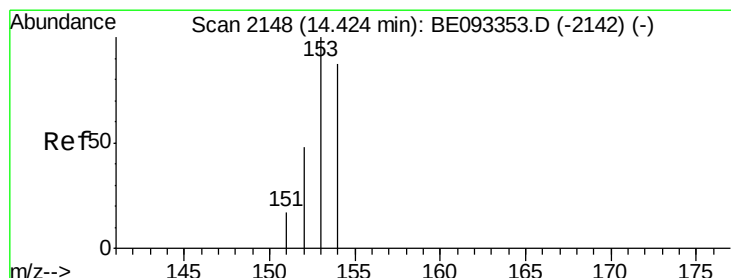
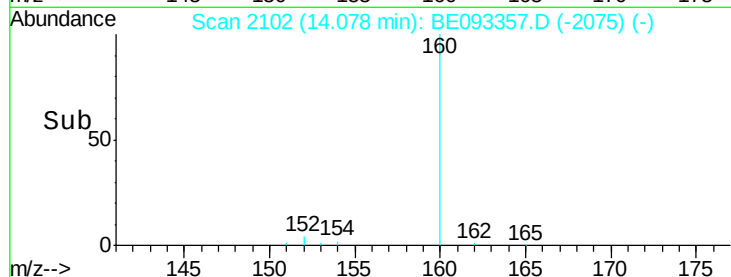
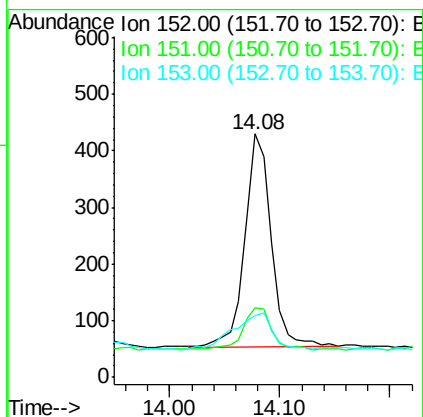
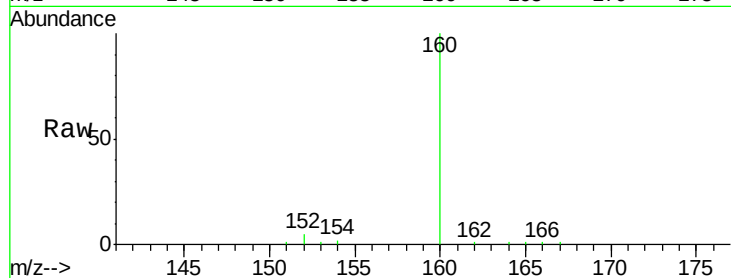
Tgt Ion:152 Resp: 632

Ion Ratio Lower Upper

152 100

151 28.6 17.1 25.7#

153 25.6 12.8 19.2#



#8

Acenaphthene

Concen: 0.37 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093357.D

Acq: 24 Jun 2017 12:11

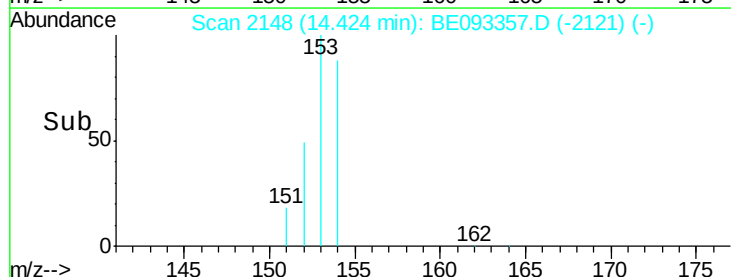
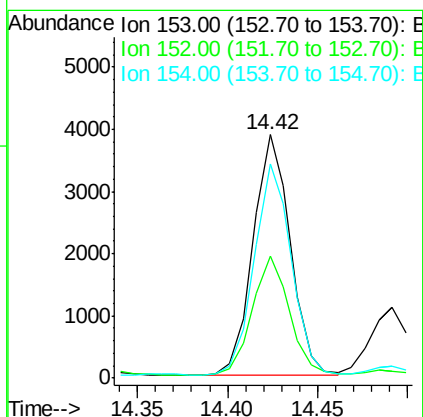
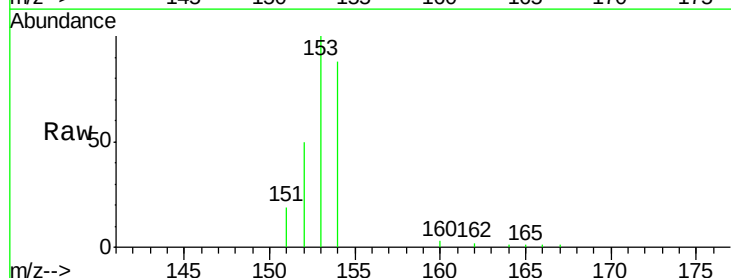
Tgt Ion:153 Resp: 5540

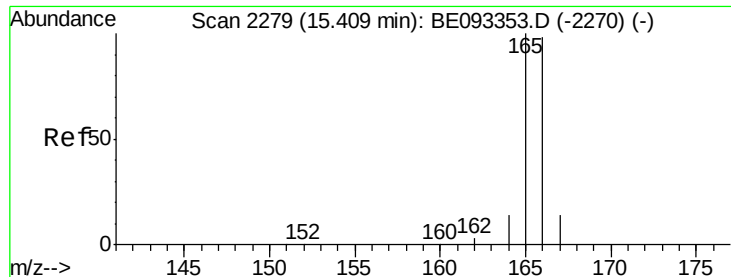
Ion Ratio Lower Upper

153 100

152 49.9 40.3 60.5

154 87.8 71.4 107.2





#9

Fluorene

Concen: 0.40 ng/ul

RT: 15.41 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BE093357.D

Acq: 24 Jun 2017 12:11

Instrument :

BNA_E

ClientSampleId :

F5E22DL

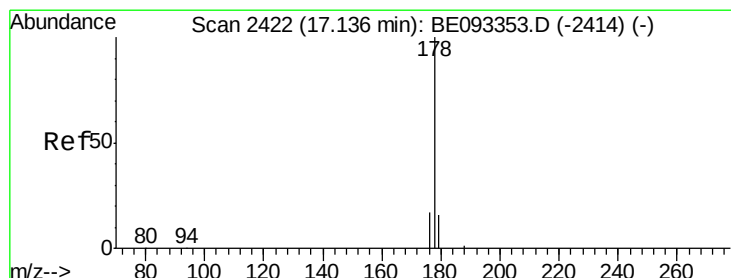
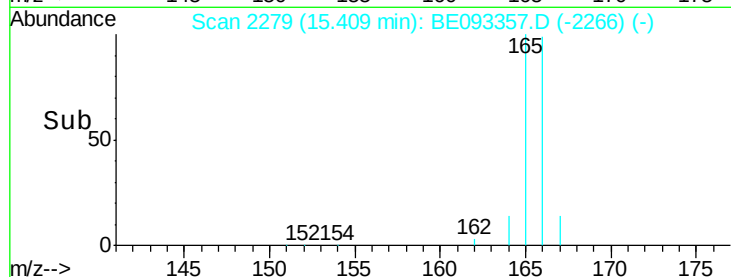
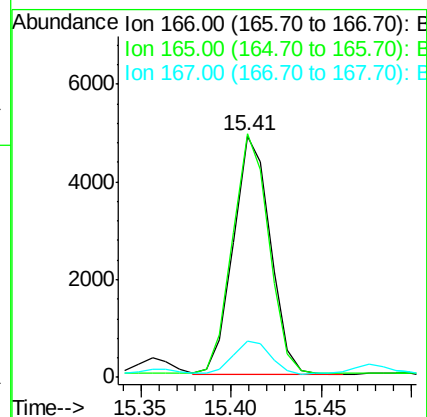
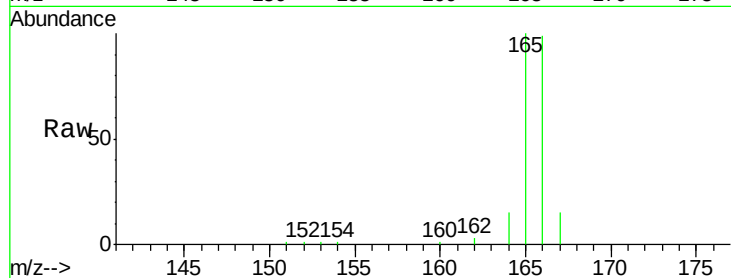
Tgt Ion:166 Resp: 6961

Ion Ratio Lower Upper

166 100

165 101.0 73.4 110.2

167 15.2 14.6 22.0



#12

Phenanthrene

Concen: 0.87 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093357.D

Acq: 24 Jun 2017 12:11

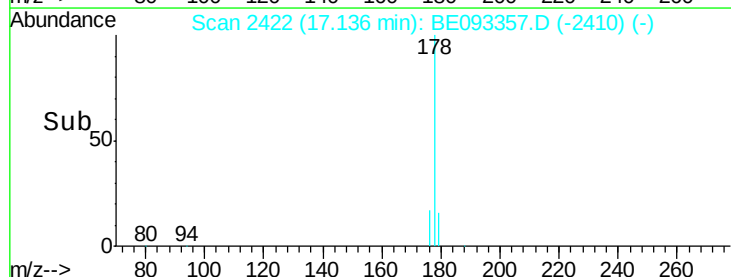
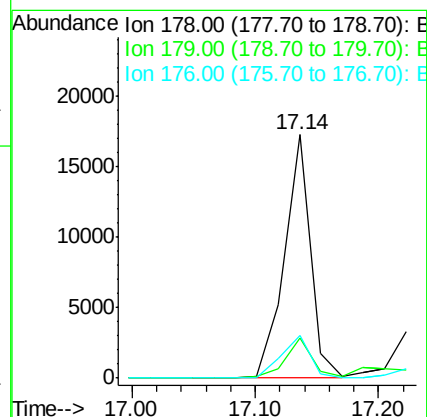
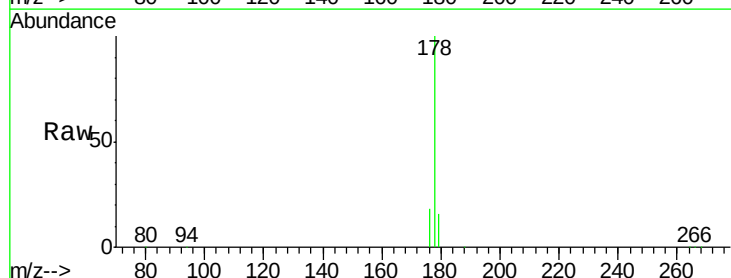
Tgt Ion:178 Resp: 25175

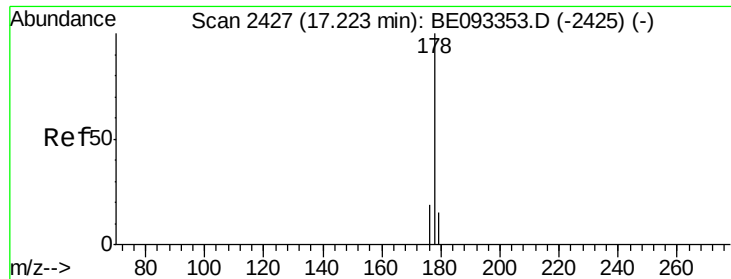
Ion Ratio Lower Upper

178 100

179 16.3 18.4 27.6#

176 17.7 13.6 20.4





#13

Anthracene

Concen: 0.21 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093357.D

Acq: 24 Jun 2017 12:11

Instrument :

BNA_E

ClientSampleId :

F5E22DL

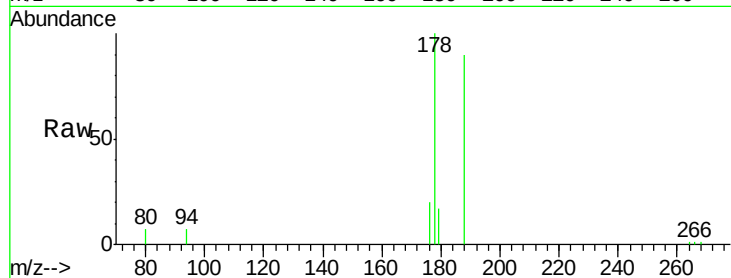
Tgt Ion:178 Resp: 5209

Ion Ratio Lower Upper

178 100

179 17.3 18.1 27.1#

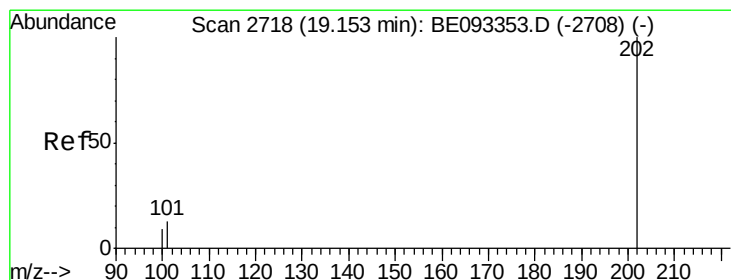
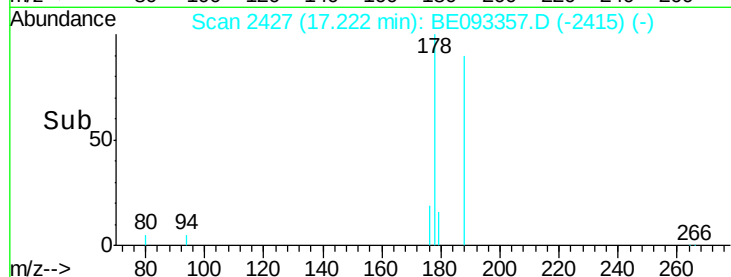
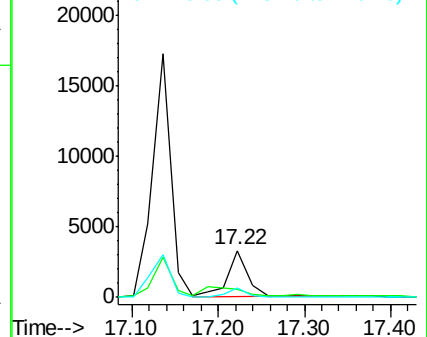
176 20.0 14.7 22.1



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: 0.31 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093357.D

Acq: 24 Jun 2017 12:11

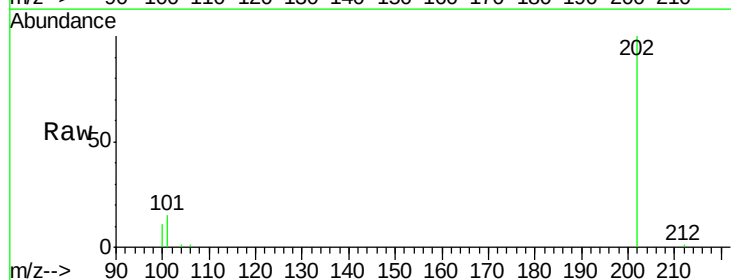
Tgt Ion:202 Resp: 11056

Ion Ratio Lower Upper

202 100

101 14.8 0.0 30.3

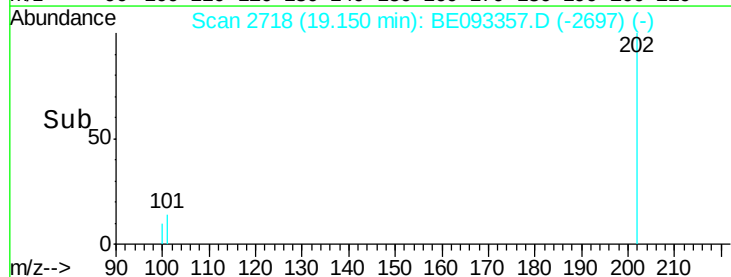
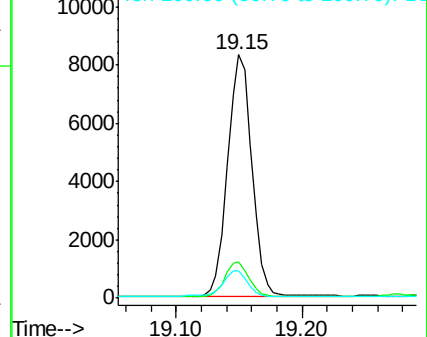
100 11.0 0.0 39.5

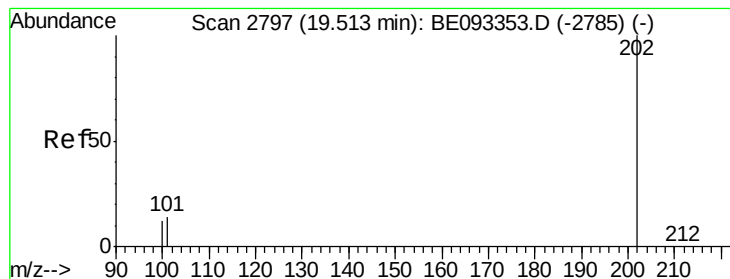


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#17

Pyrene

Concen: 0.26 ng/ul

RT: 19.51 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BE093357.D

Acq: 24 Jun 2017 12:11

Instrument :

BNA_E

ClientSampleId :

F5E22DL

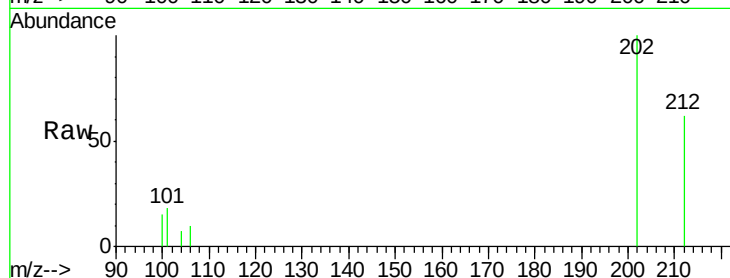
Tgt Ion:202 Resp: 9053

Ion Ratio Lower Upper

202 100

101 17.5 18.2 27.4#

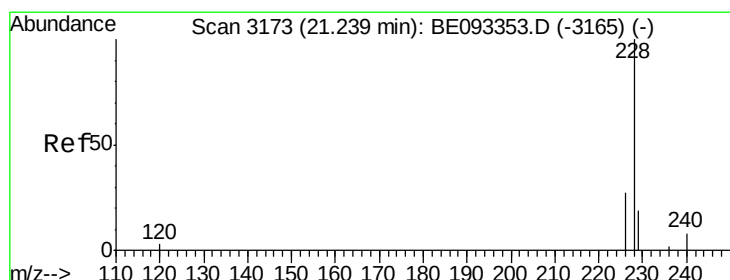
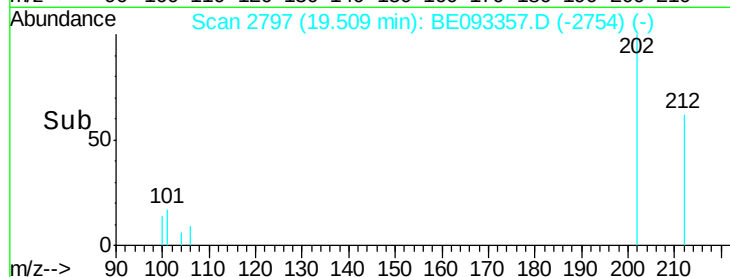
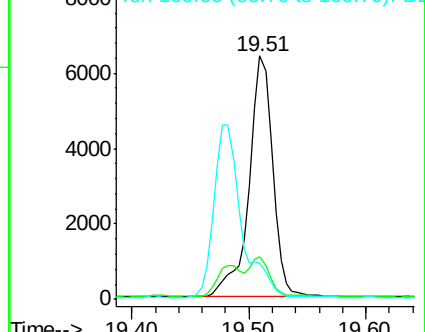
100 14.8 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 0.08 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE093357.D

Acq: 24 Jun 2017 12:11

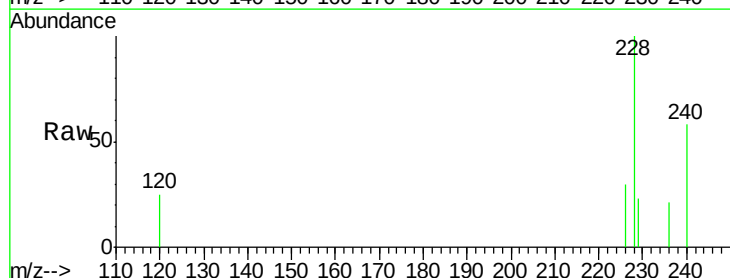
Tgt Ion:228 Resp: 2396

Ion Ratio Lower Upper

228 100

229 22.7 22.8 34.2#

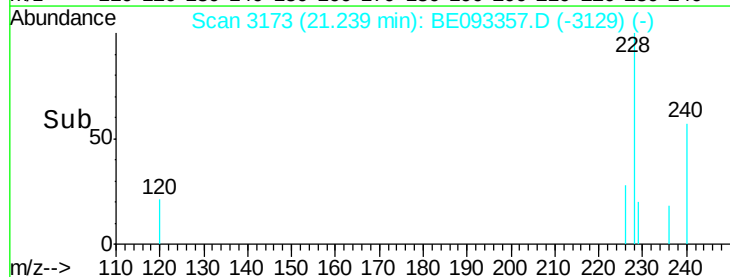
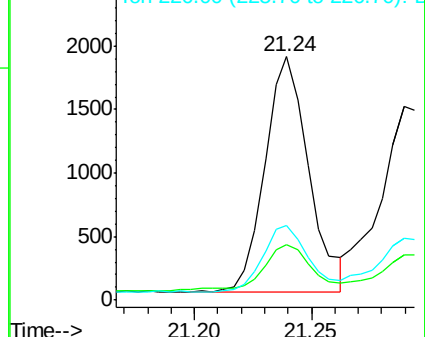
226 30.5 17.0 25.6#

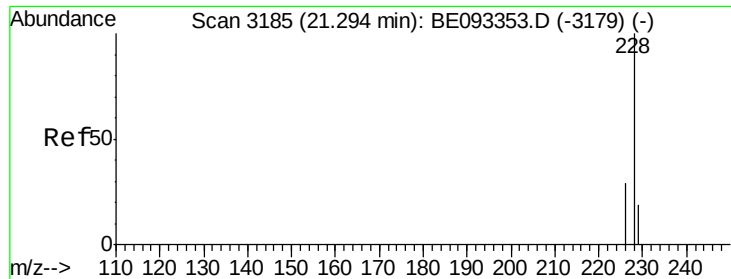


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.07 ng/ul

RT: 21.29 min Scan# 3184

Delta R.T. -0.00 min

Lab File: BE093357.D

Acq: 24 Jun 2017 12:11

Instrument :

BNA_E

ClientSampleId :

F5E22DL

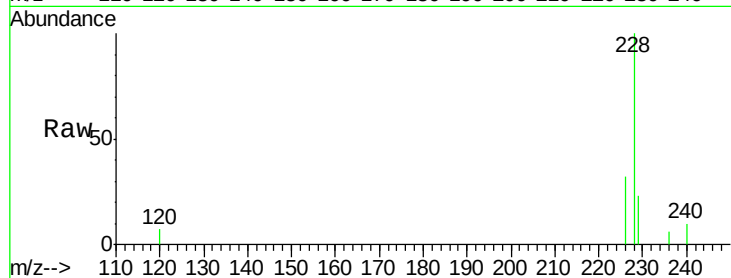
Tgt Ion:228 Resp: 2245

Ion Ratio Lower Upper

228 100

226 31.8 23.4 35.0

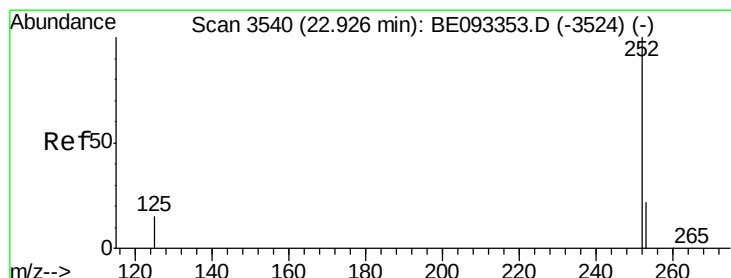
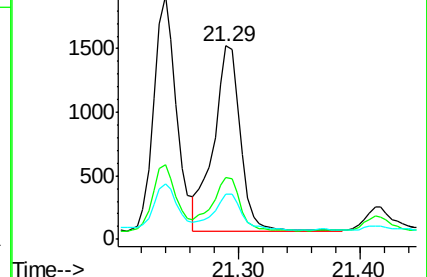
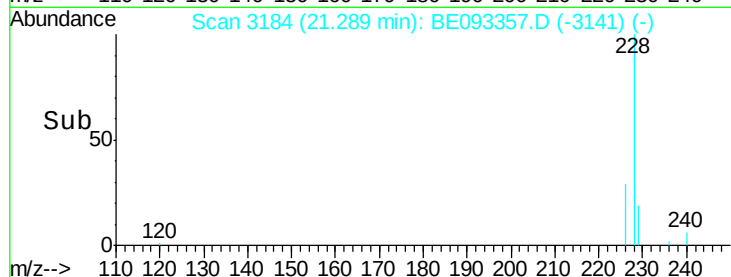
229 23.1 17.7 26.5



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: 0.07 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. -0.00 min

Lab File: BE093357.D

Acq: 24 Jun 2017 12:11

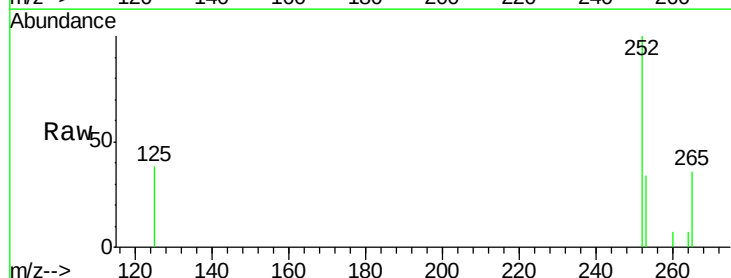
Tgt Ion:252 Resp: 2428

Ion Ratio Lower Upper

252 100

253 34.2 0.0 64.2

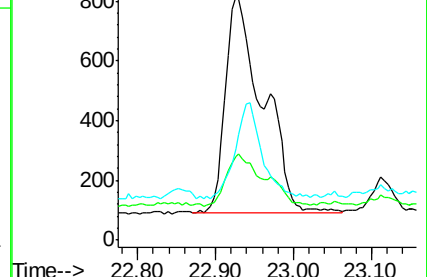
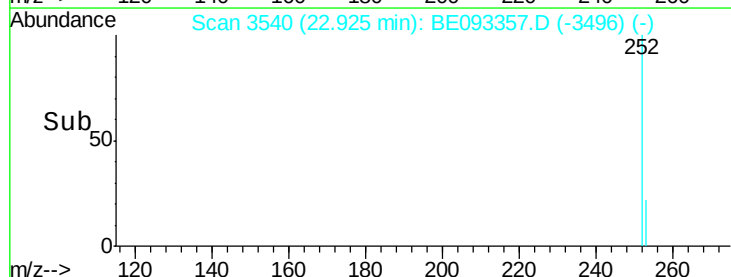
125 37.5 0.0 35.0#

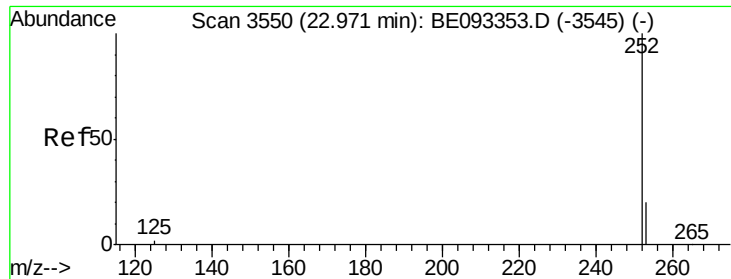


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.06 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. -0.05 min

Lab File: BE093357.D

Acq: 24 Jun 2017 12:11

Instrument :

BNA_E

ClientSampleId :

F5E22DL

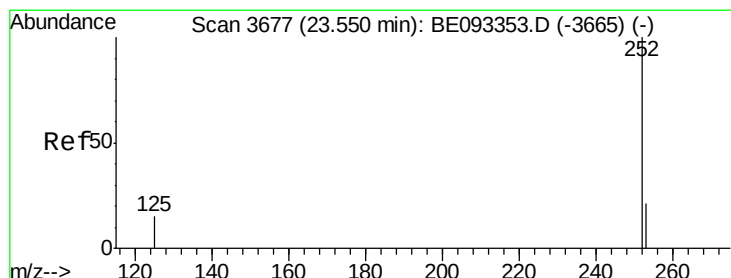
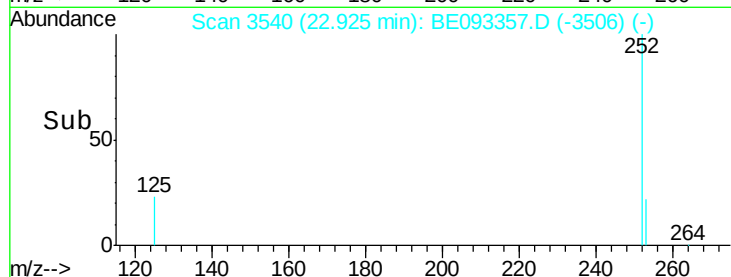
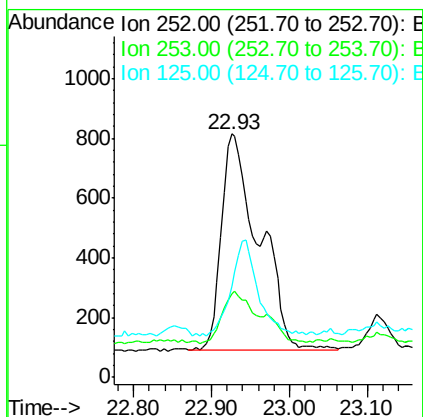
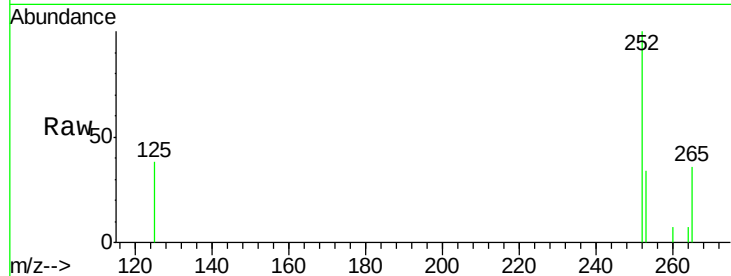
Tgt Ion:252 Resp: 2428

Ion Ratio Lower Upper

252 100

253 34.2 24.5 36.7

125 37.5 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BE093357.D

Acq: 24 Jun 2017 12:11

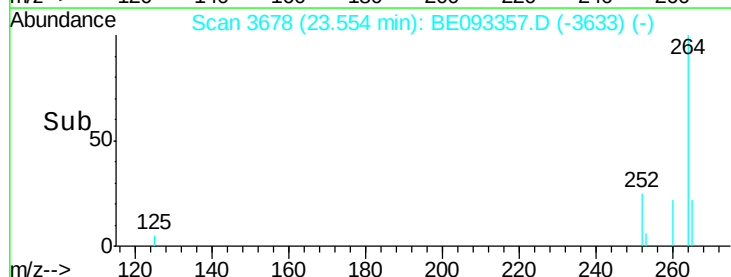
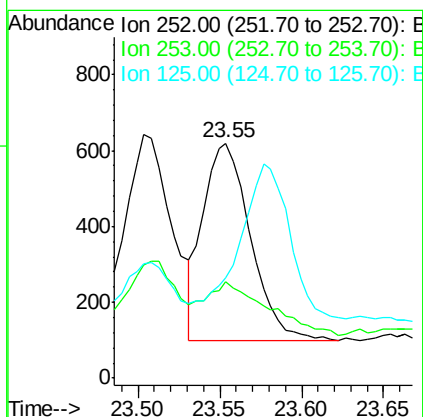
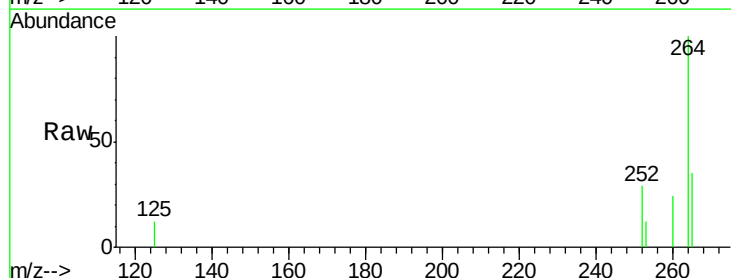
Tgt Ion:252 Resp: 1041

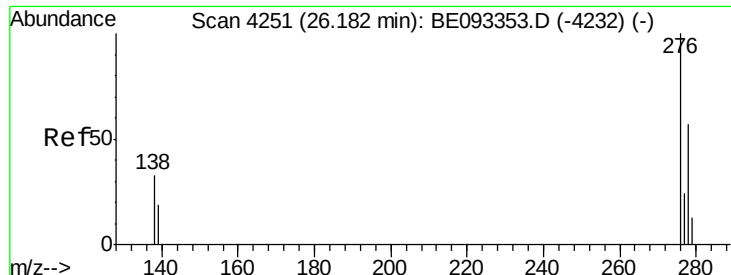
Ion Ratio Lower Upper

252 100

253 41.0 28.5 42.7

125 43.0 18.1 27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

RT: 26.18 min Scan# 4251

Delta R.T. -0.00 min

Lab File: BE093357.D

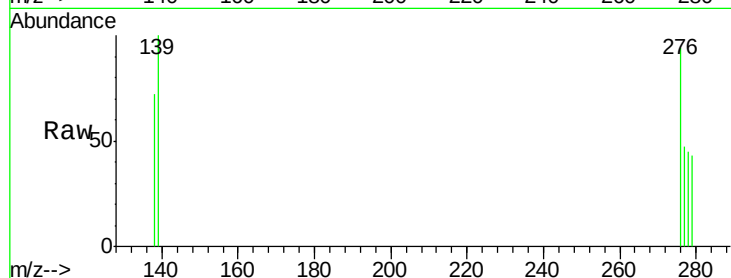
Acq: 24 Jun 2017 12:11

Instrument :

BNA_E

ClientSampleId :

F5E22DL



Tgt Ion: 276 Resp: 429

Ion Ratio Lower Upper

276 100

138 59.7 28.0 42.0#

227 0.0 8.0 12.0#

