

Data File : BE093299.D
Acq On : 21 Jun 2017 1:56
Operator : SJ/JU
Sample : I3599-12DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B26DL

Quant Time: Jun 21 03:25:12 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 03:23:49 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1823	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9700	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	6051	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	14841	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	15020	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	14023	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	828	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	2311	0.06	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.56	128	223452	9.28	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	13932	0.85	ng/ul	98
7) Acenaphthylene	14.09	152	586	0.02	ng/ul#	71
8) Acenaphthene	14.42	153	11139	0.53	ng/ul	97
9) Fluorene	15.42	166	10660	0.43	ng/ul	96
12) Phenanthrene	17.14	178	47258	1.16	ng/ul#	90
13) Anthracene	17.22	178	4590	0.13	ng/ul#	91
15) Fluoranthene	19.15	202	17397	0.35	ng/ul	84
17) Pyrene	19.51	202	12054	0.27	ng/ul#	88
18) Benzo(a)anthracene	21.24	228	1754	0.04	ng/ul#	88
19) Chrysene	21.24	228	1754	0.04	ng/ul	94
21) Benzo(b)fluoranthene	22.93	252	1420	0.03	ng/ul#	50
22) Benzo(k)fluoranthene	22.93	252	1420	0.03	ng/ul#	46
23) Benzo(a)pyrene	23.55	252	513	0.01	ng/ul#	38

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

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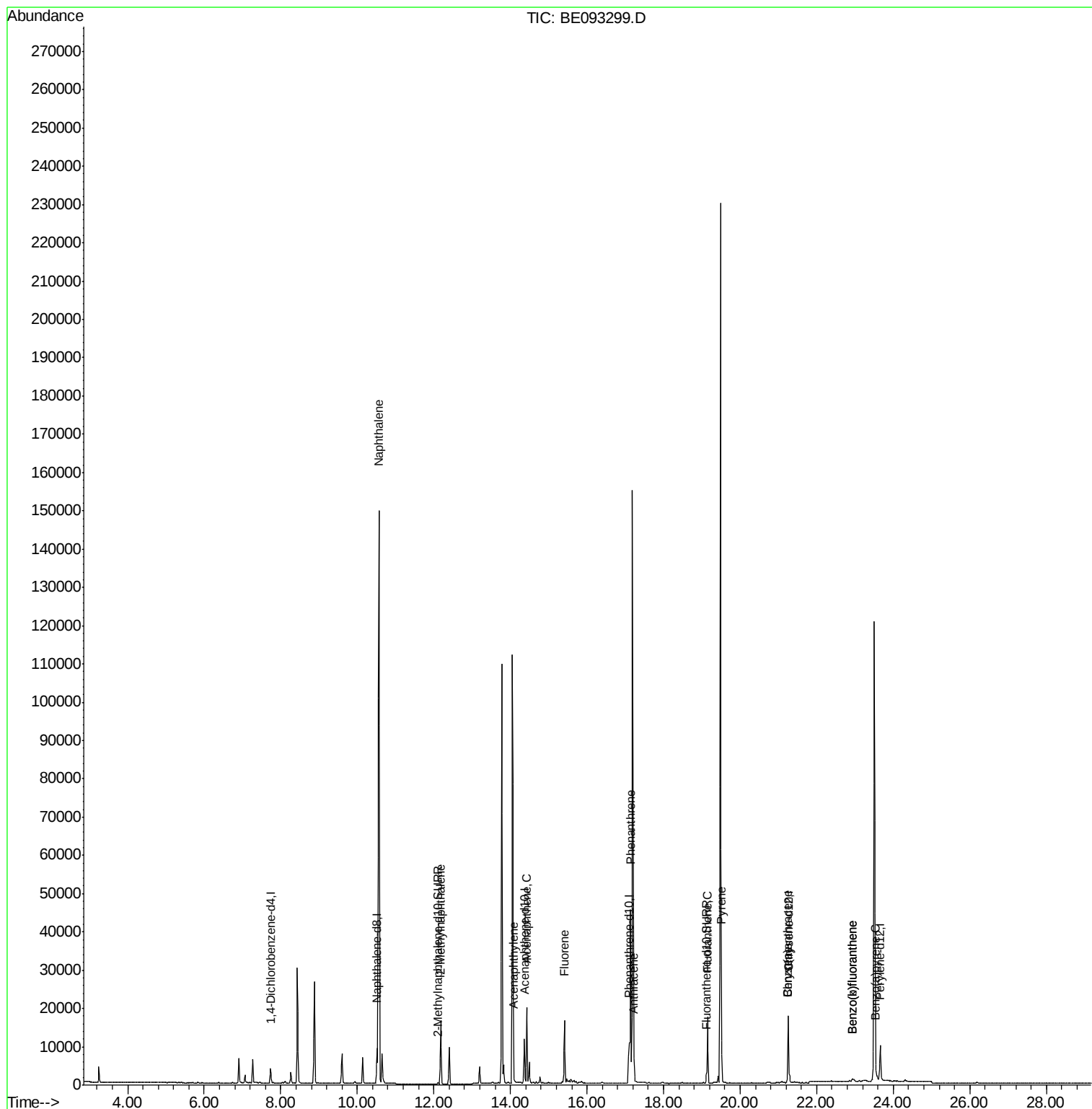
Quant Time: Jun 21 03:25:12 2017

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

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#3

Naphthalene

Concen: 9.28 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093299.D

Acq: 21 Jun 2017 1:56

Instrument :

BNA_E

ClientSampleId :

F5B26DL

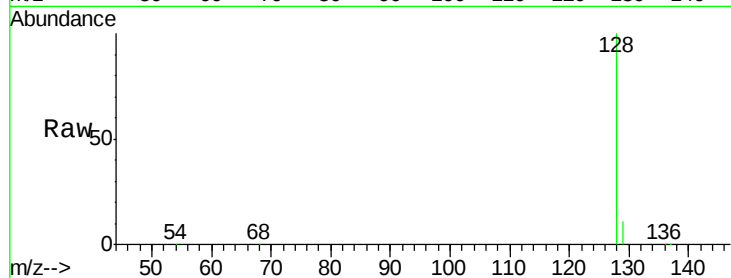
Tgt Ion:128 Resp: 223452

Ion Ratio Lower Upper

128 100

129 11.1 11.3 16.9#

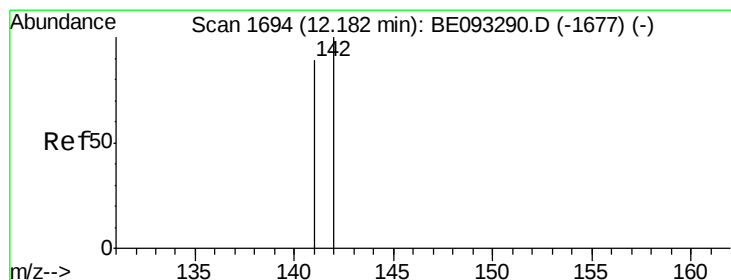
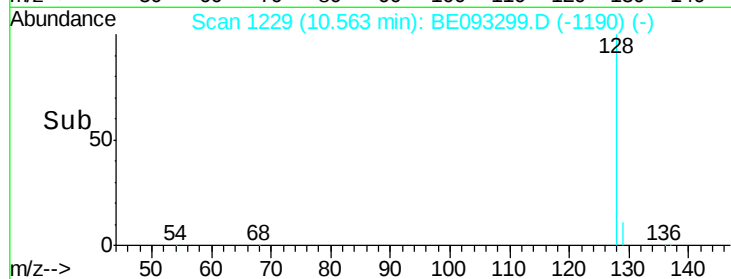
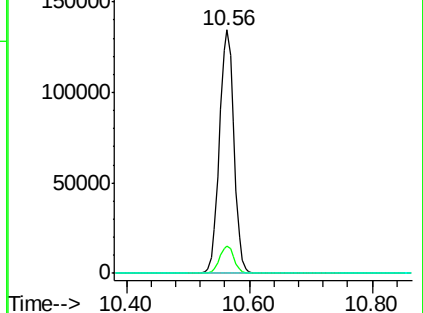
127 0.0 4.0 6.0#



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: 0.85 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BE093299.D

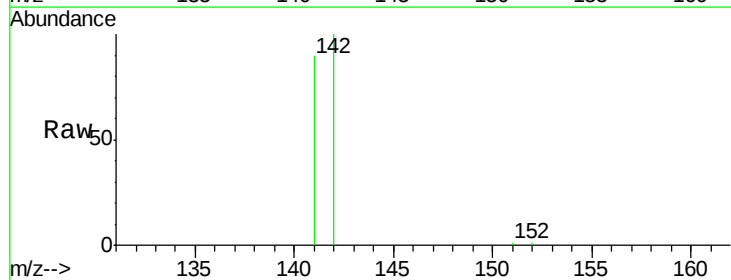
Acq: 21 Jun 2017 1:56

Tgt Ion:142 Resp: 13932

Ion Ratio Lower Upper

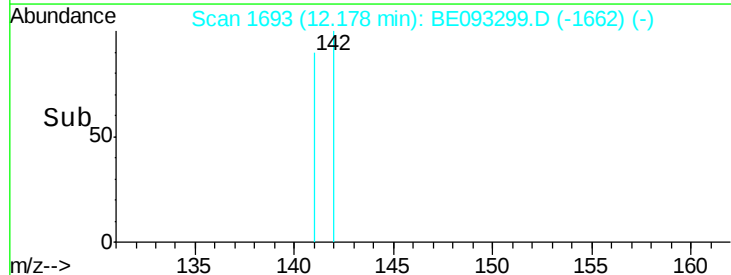
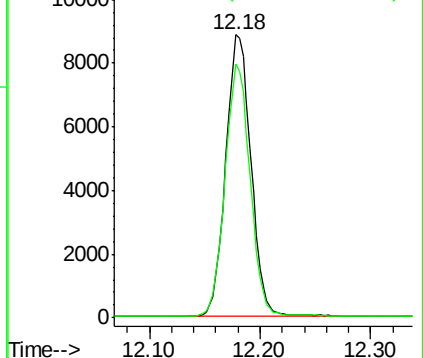
142 100

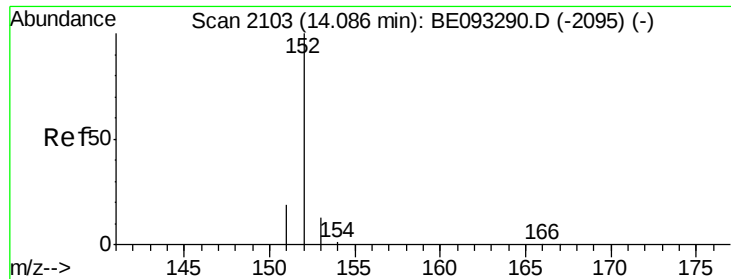
141 88.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093299.D

Acq: 21 Jun 2017 1:56

Instrument :

BNA_E

ClientSampleId :

F5B26DL

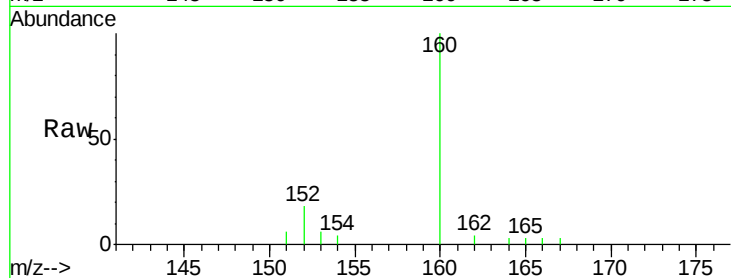
Tgt Ion:152 Resp: 586

Ion Ratio Lower Upper

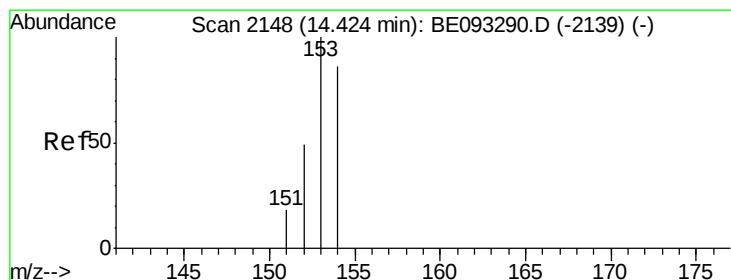
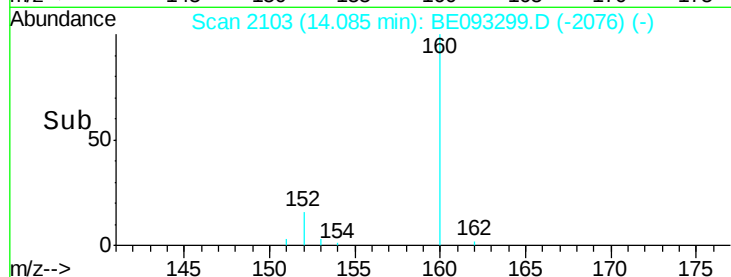
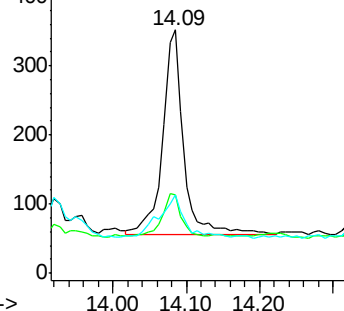
152 100

151 32.1 17.1 25.7#

153 32.4 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: 0.53 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093299.D

Acq: 21 Jun 2017 1:56

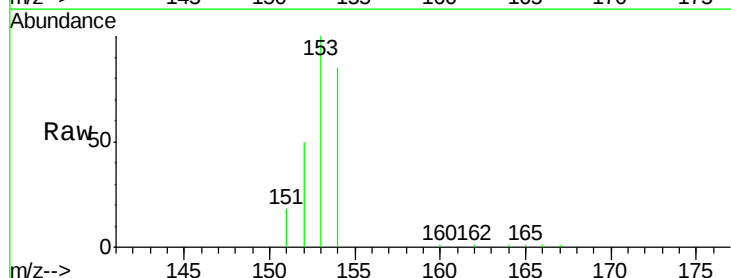
Tgt Ion:153 Resp: 11139

Ion Ratio Lower Upper

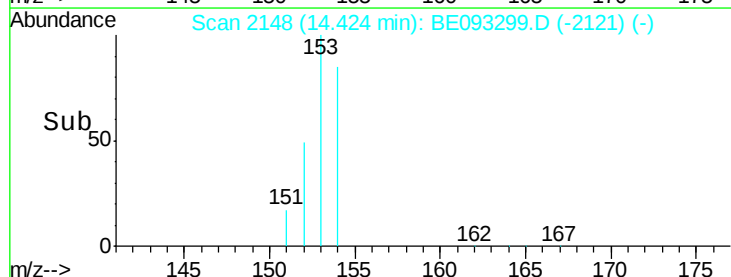
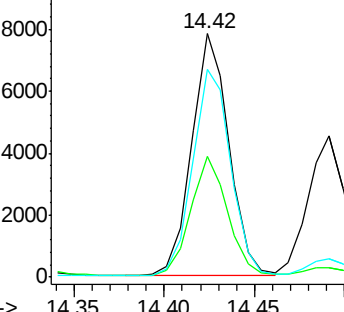
153 100

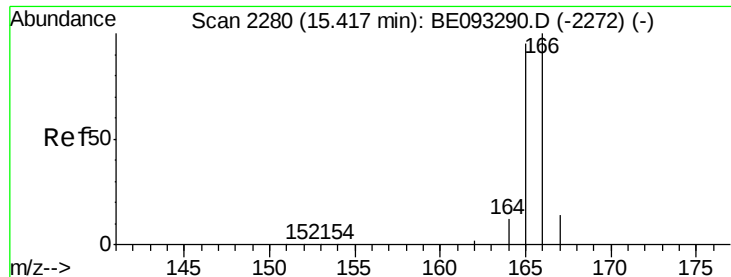
152 49.6 40.3 60.5

154 85.3 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: 0.43 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE093299.D

Acq: 21 Jun 2017 1:56

Instrument :

BNA_E

ClientSampleId :

F5B26DL

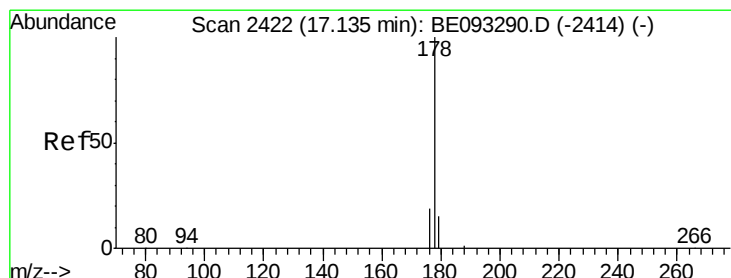
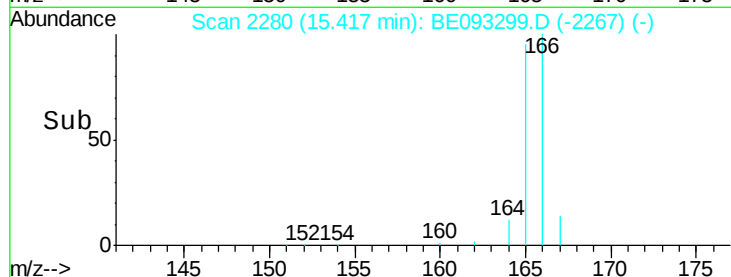
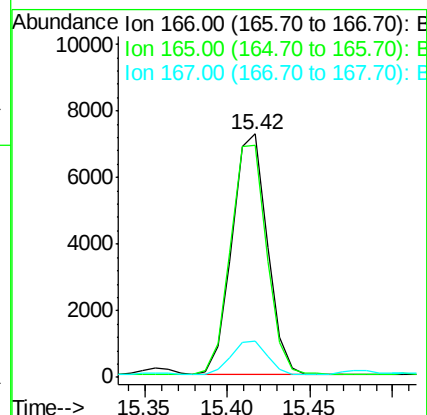
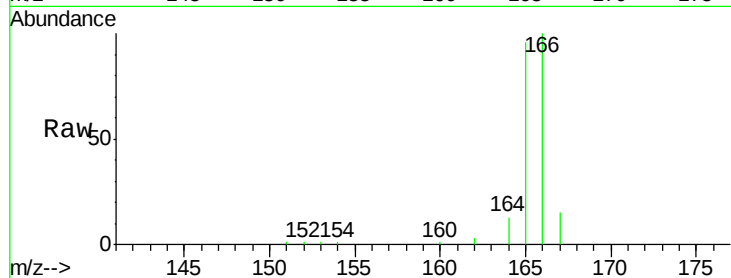
Tgt Ion:166 Resp: 10660

Ion Ratio Lower Upper

166 100

165 95.5 73.4 110.2

167 15.1 14.6 22.0



#12

Phenanthrene

Concen: 1.16 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093299.D

Acq: 21 Jun 2017 1:56

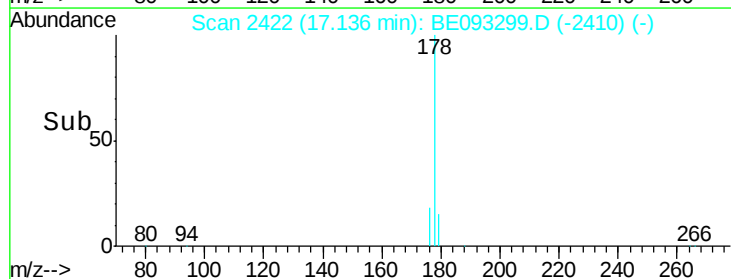
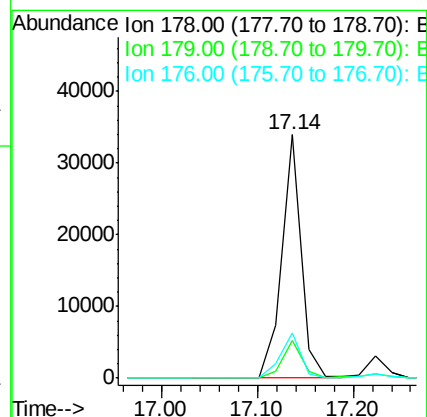
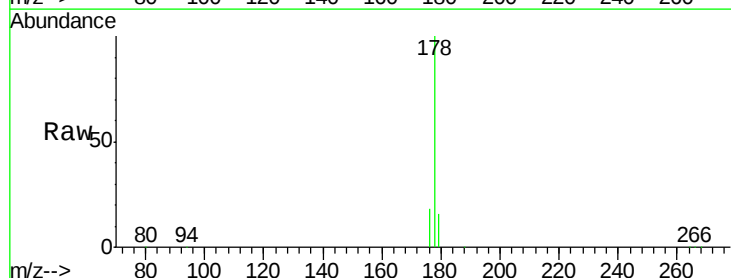
Tgt Ion:178 Resp: 47258

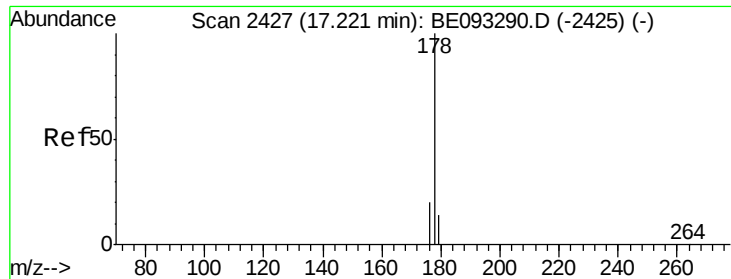
Ion Ratio Lower Upper

178 100

179 15.6 18.4 27.6#

176 18.4 13.6 20.4





#13

Anthracene

Concen: 0.13 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093299.D

Acq: 21 Jun 2017 1:56

Instrument :

BNA_E

ClientSampleId :

F5B26DL

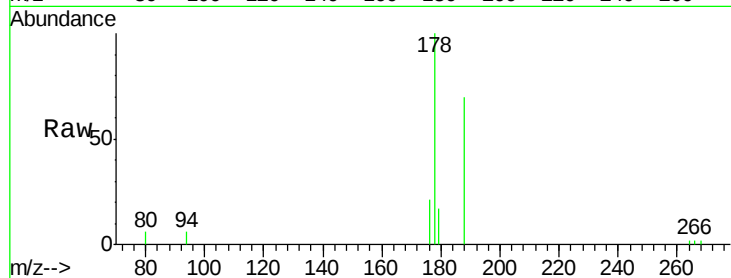
Tgt Ion:178 Resp: 4590

Ion Ratio Lower Upper

178 100

179 17.0 18.1 27.1#

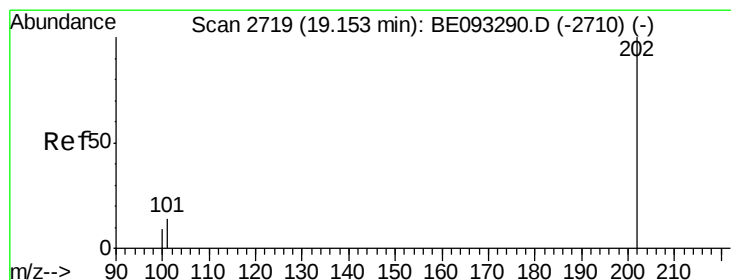
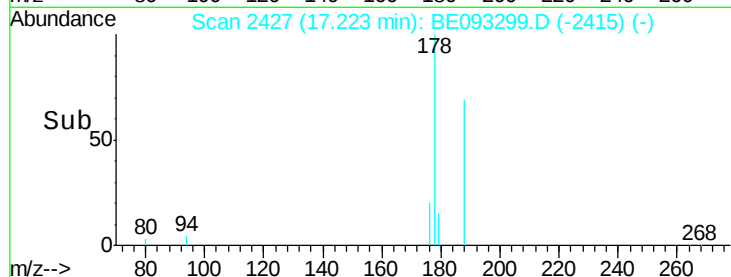
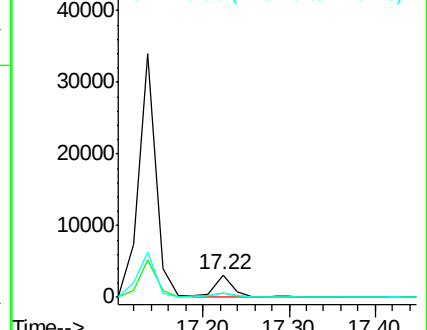
176 21.1 14.7 22.1



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: 0.35 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093299.D

Acq: 21 Jun 2017 1:56

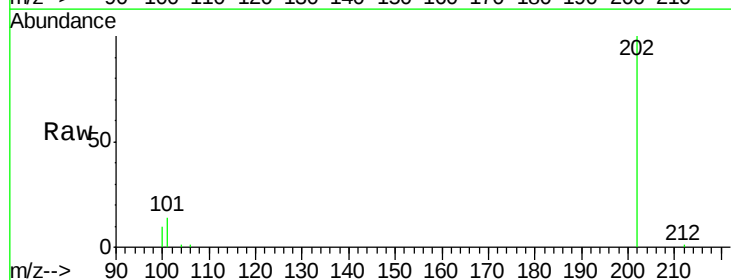
Tgt Ion:202 Resp: 17397

Ion Ratio Lower Upper

202 100

101 14.0 0.0 30.3

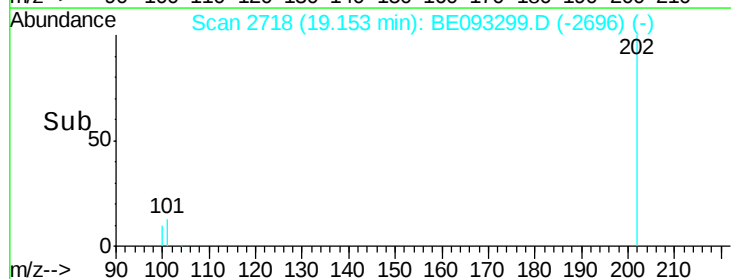
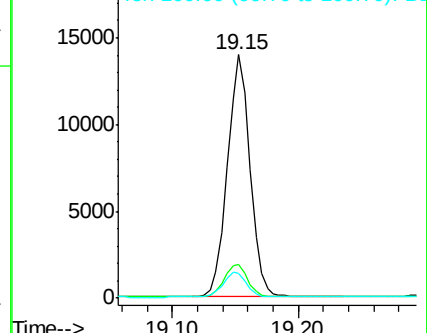
100 10.4 0.0 39.5

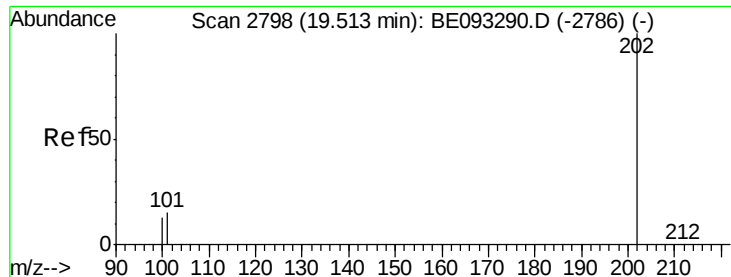


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#17

Pyrene

Concen: 0.27 ng/ul

RT: 19.51 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BE093299.D

Acq: 21 Jun 2017 1:56

Instrument :

BNA_E

ClientSampleId :

F5B26DL

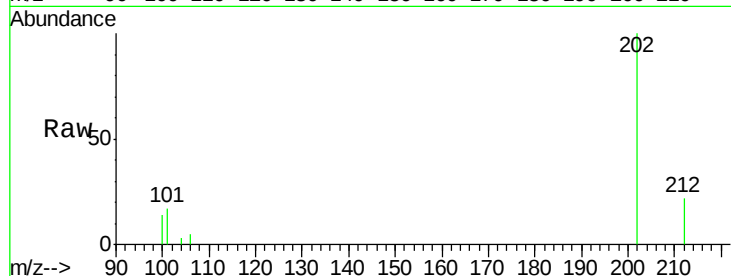
Tgt Ion:202 Resp: 12054

Ion Ratio Lower Upper

202 100

101 17.0 18.2 27.4#

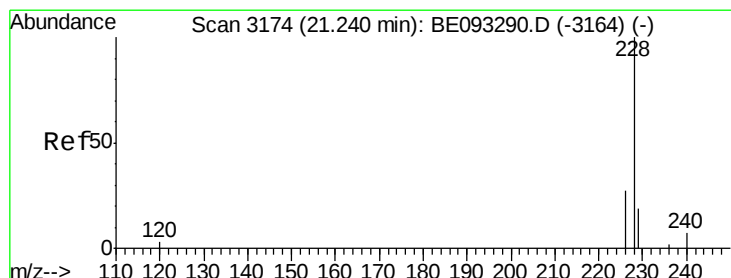
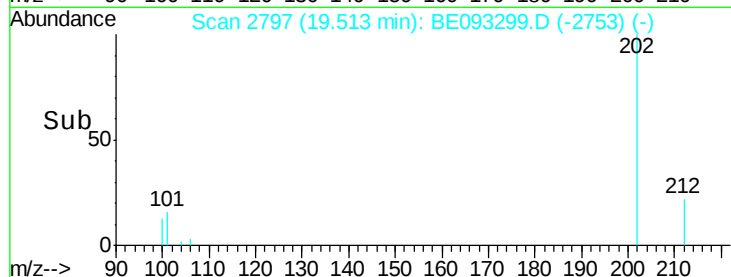
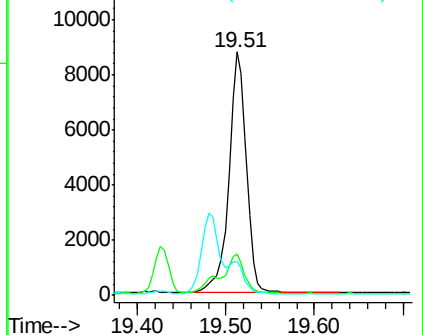
100 13.8 15.6 23.4#



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: 0.04 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE093299.D

Acq: 21 Jun 2017 1:56

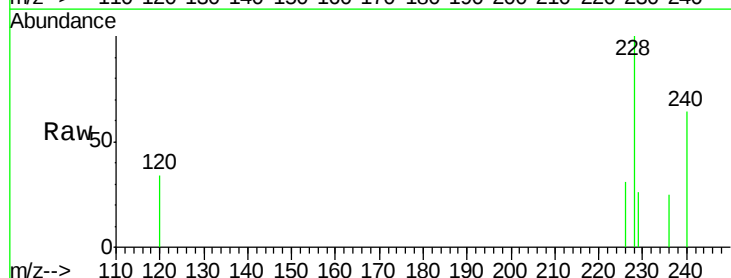
Tgt Ion:228 Resp: 1754

Ion Ratio Lower Upper

228 100

229 26.2 22.8 34.2

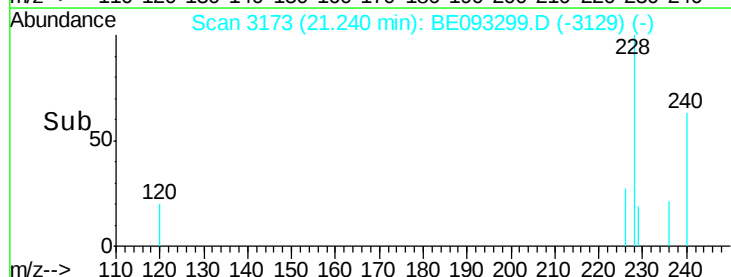
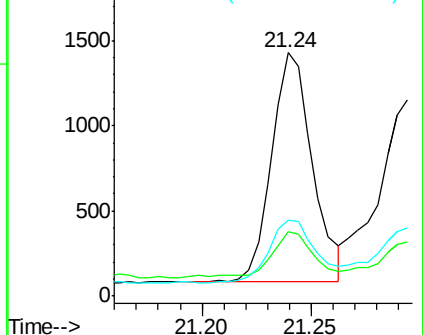
226 31.4 17.0 25.6#

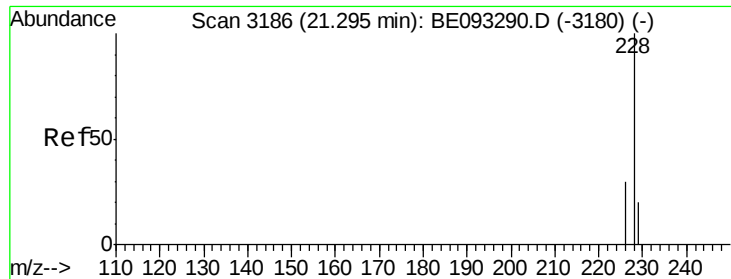


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.04 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. -0.06 min

Lab File: BE093299.D

Acq: 21 Jun 2017 1:56

Instrument :

BNA_E

ClientSampleId :

F5B26DL

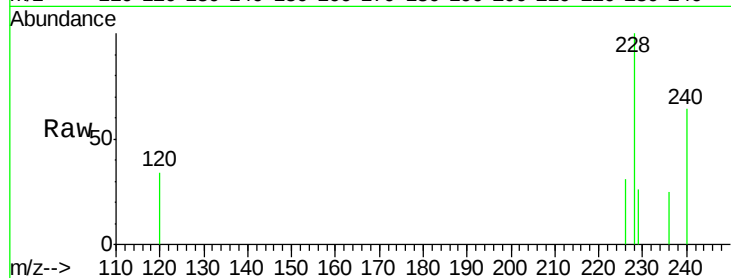
Tgt Ion:228 Resp: 1754

Ion Ratio Lower Upper

228 100

226 31.4 23.4 35.0

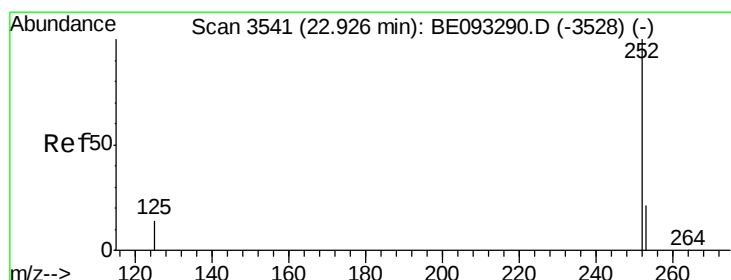
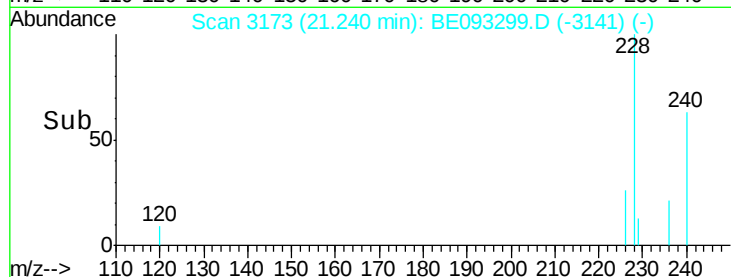
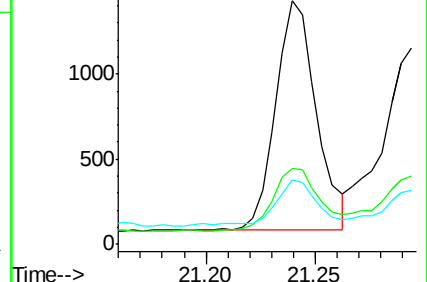
229 26.2 17.7 26.5



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: 0.03 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093299.D

Acq: 21 Jun 2017 1:56

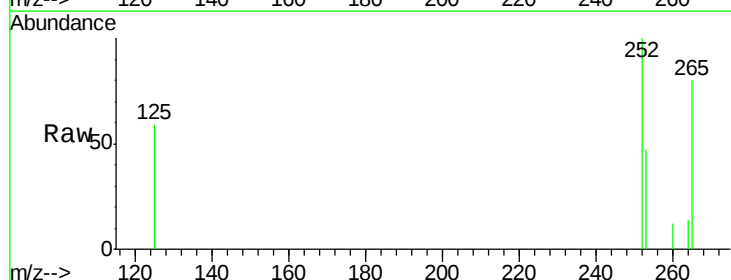
Tgt Ion:252 Resp: 1420

Ion Ratio Lower Upper

252 100

253 46.5 0.0 64.2

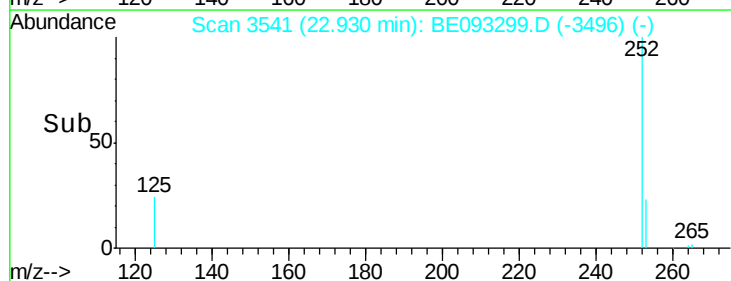
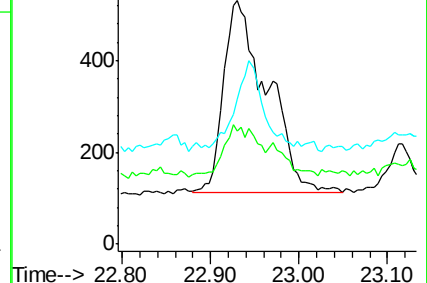
125 59.3 0.0 35.0#

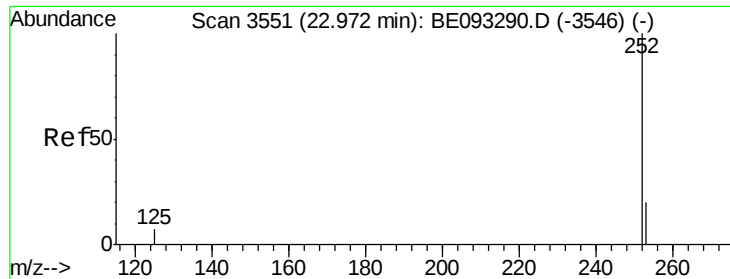


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.03 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. -0.04 min

Lab File: BE093299.D

Acq: 21 Jun 2017 1:56

Instrument :

BNA_E

ClientSampleId :

F5B26DL

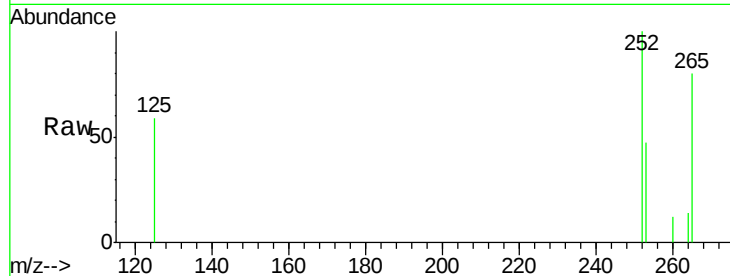
Tgt Ion: 252 Resp: 1420

Ion Ratio Lower Upper

252 100

253 46.5 24.5 36.7#

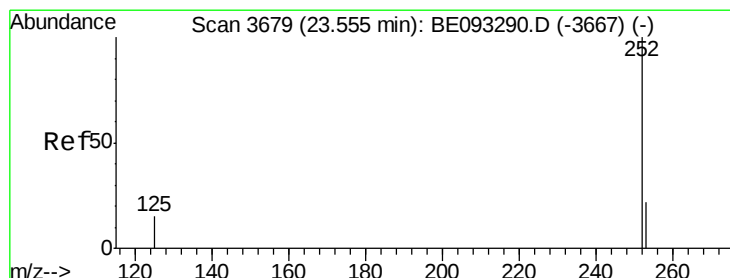
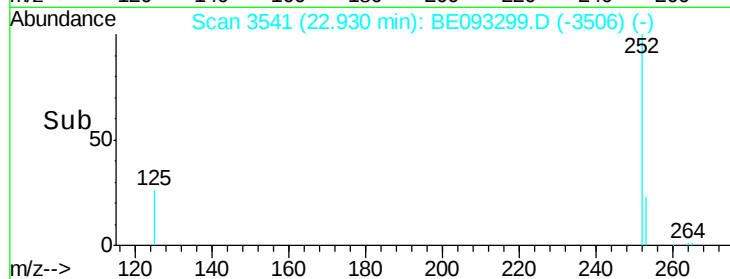
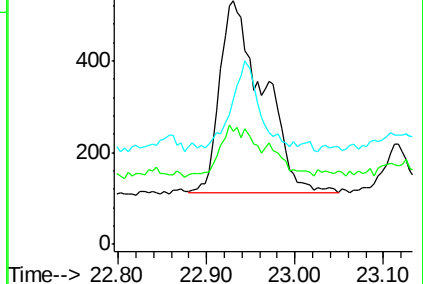
125 59.3 13.7 20.5#



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: 0.01 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BE093299.D

Acq: 21 Jun 2017 1:56

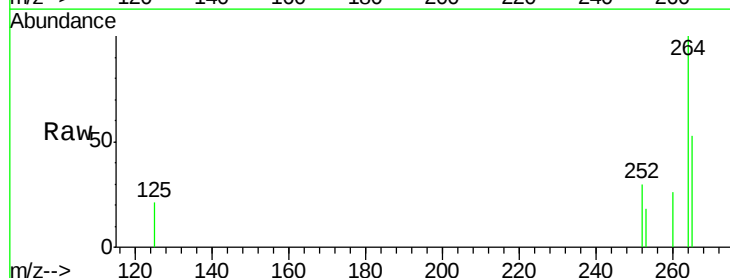
Tgt Ion: 252 Resp: 513

Ion Ratio Lower Upper

252 100

253 59.2 28.5 42.7#

125 69.2 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

