

Data File : BE093293.D
Acq On : 20 Jun 2017 22:15
Operator : SJ/JU
Sample : I3627-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A03

Quant Time: Jun 21 03:24:18 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	7.73	152	1803	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9604	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	6027	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	14356	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	14949	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	730755	0.40	ng/ul	-0.15

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	3570	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	10513	0.27	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.56	128	2129	0.09	ng/ul#	94
5) 2-Methylnaphthalene	12.18	142	378	0.02	ng/ul	100
7) Acenaphthylene	14.09	152	22427	0.87	ng/ul	95
8) Acenaphthene	14.42	153	746	0.04	ng/ul	93
9) Fluorene	15.42	166	995	0.04	ng/ul#	91
12) Phenanthrene	17.14	178	6798	0.17	ng/ul#	90
13) Anthracene	17.22	178	19981	0.58	ng/ul#	88
15) Fluoranthene	19.15	202	173243	3.58	ng/ul	84
17) Pyrene	19.52	202	418043	9.48	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	161731	4.06	ng/ul#	84
19) Chrysene	21.29	228	185651	4.49	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	342222	0.15	ng/ul	86
22) Benzo(k)fluoranthene	22.93	252	448325	0.19	ng/ul#	88
23) Benzo(a)pyrene	23.45	252	161960	0.08	ng/ul#	84
26) Benzo(g,h,i)perylene	26.96	276	75528	0.04	ng/ul	96

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

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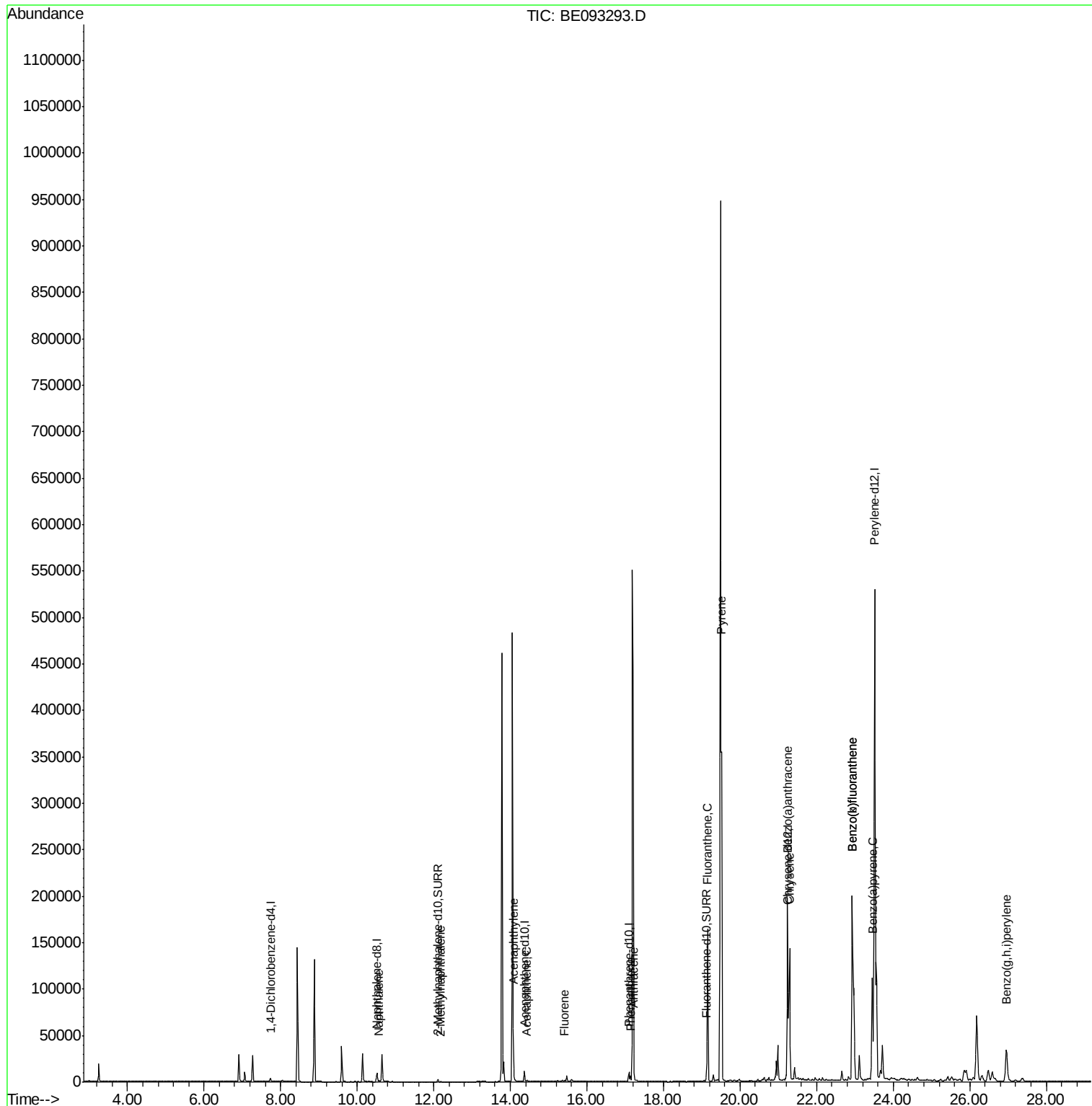
Quant Time: Jun 21 03:24:18 2017

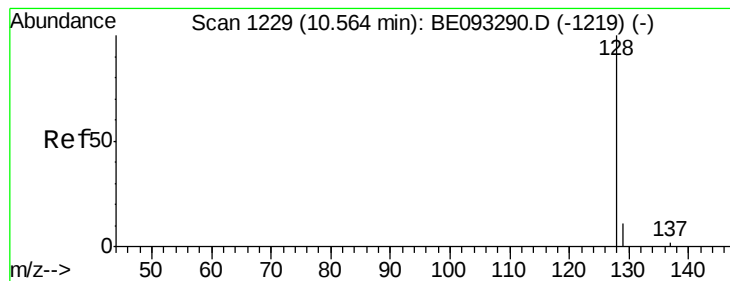
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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QLast Update : Wed Jun 21 03:23:49 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.09 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093293.D

Acq: 20 Jun 2017 22:15

Instrument :

BNA_E

ClientSampleId :

F5A03

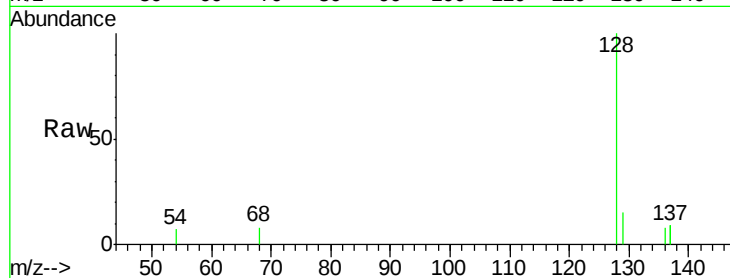
Tgt Ion:128 Resp: 2129

Ion Ratio Lower Upper

128 100

129 15.2 11.3 16.9

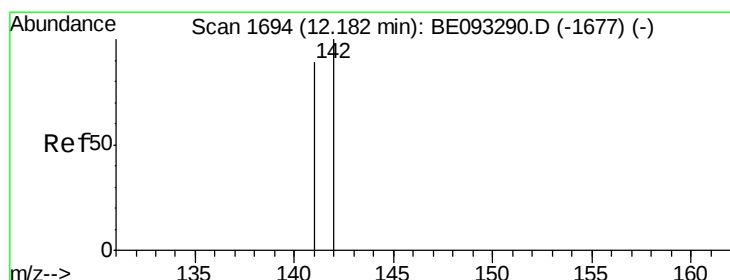
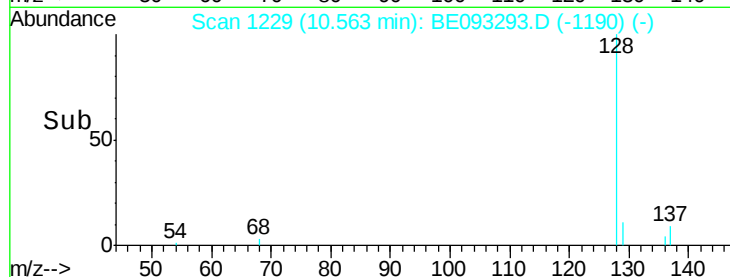
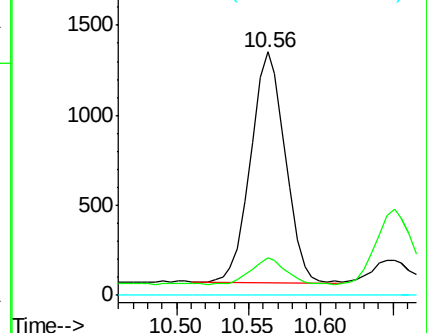
127 0.0 4.0 6.0#



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: 0.02 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093293.D

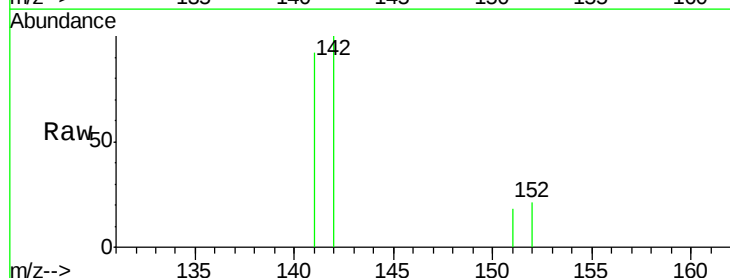
Acq: 20 Jun 2017 22:15

Tgt Ion:142 Resp: 378

Ion Ratio Lower Upper

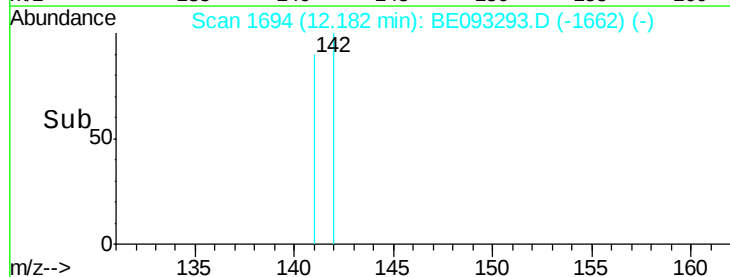
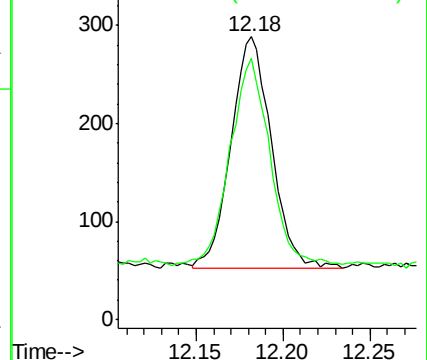
142 100

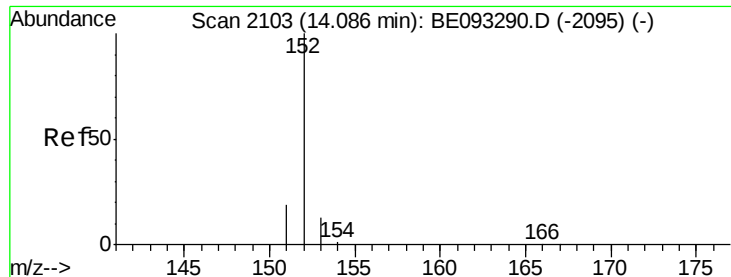
141 90.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.87 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093293.D

Acq: 20 Jun 2017 22:15

Instrument :

BNA_E

ClientSampleId :

F5A03

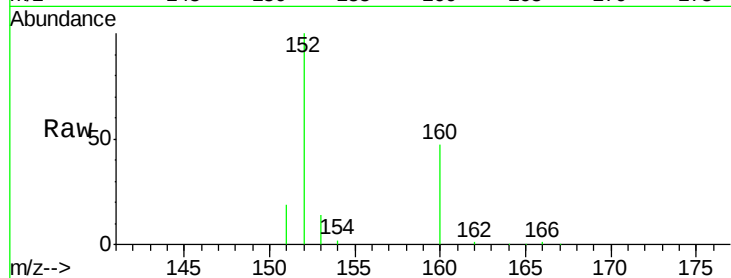
Tgt Ion:152 Resp: 22427

Ion Ratio Lower Upper

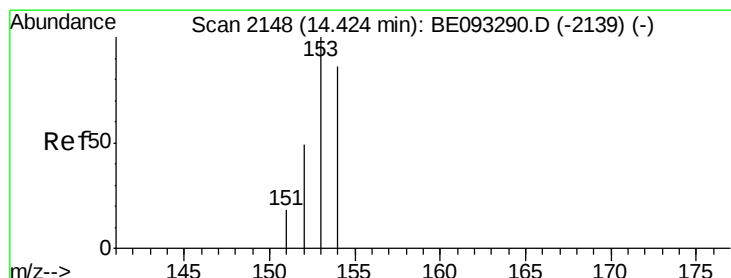
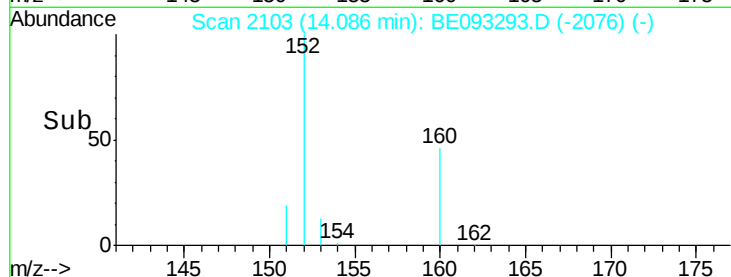
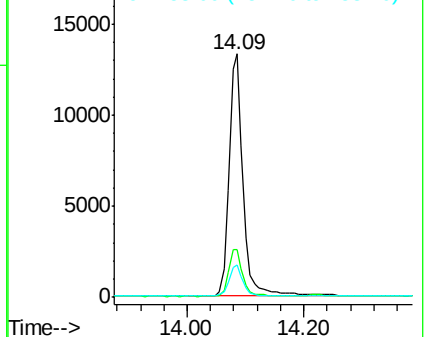
152 100

151 19.5 17.1 25.7

153 13.5 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: 0.04 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093293.D

Acq: 20 Jun 2017 22:15

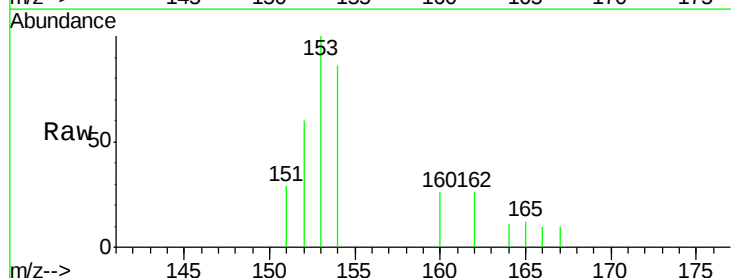
Tgt Ion:153 Resp: 746

Ion Ratio Lower Upper

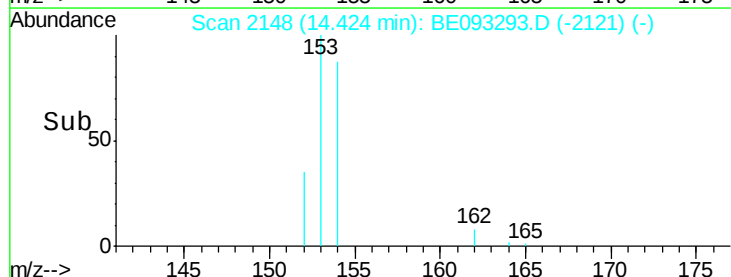
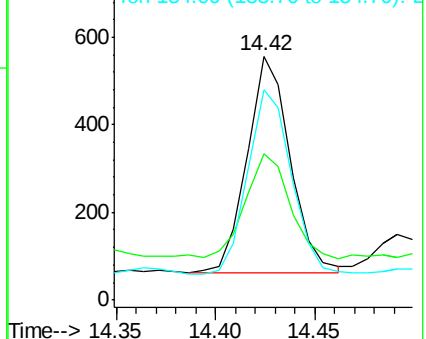
153 100

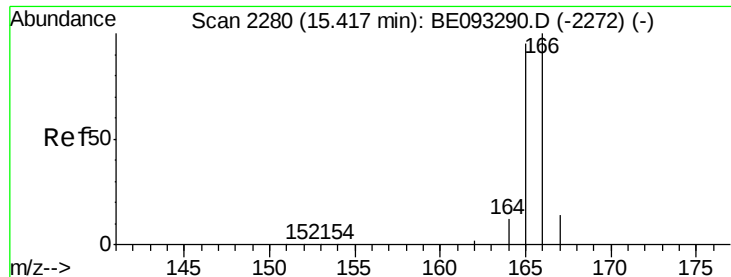
152 60.1 40.3 60.5

154 86.3 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: 0.04 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE093293.D

Acq: 20 Jun 2017 22:15

Instrument :

BNA_E

ClientSampleId :

F5A03

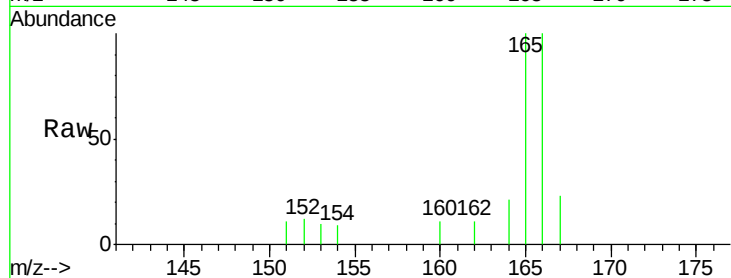
Tgt Ion:166 Resp: 995

Ion Ratio Lower Upper

166 100

165 100.5 73.4 110.2

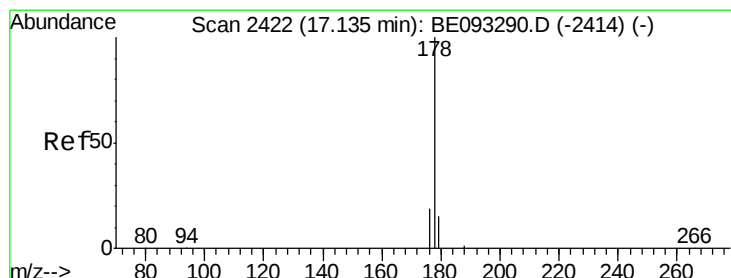
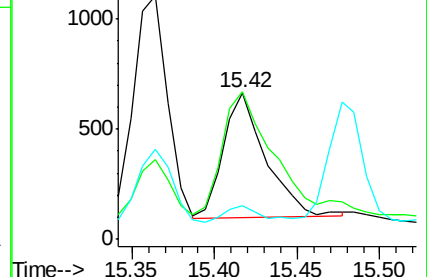
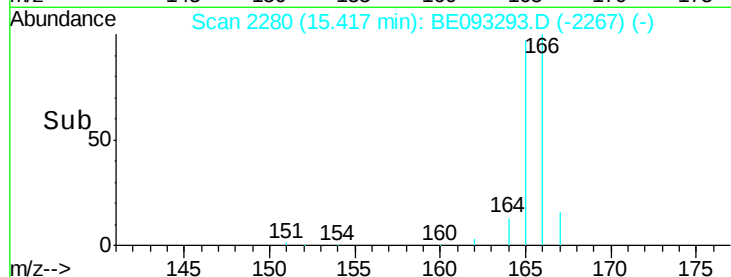
167 23.2 14.6 22.0#



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



#12

Phenanthrene

Concen: 0.17 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093293.D

Acq: 20 Jun 2017 22:15

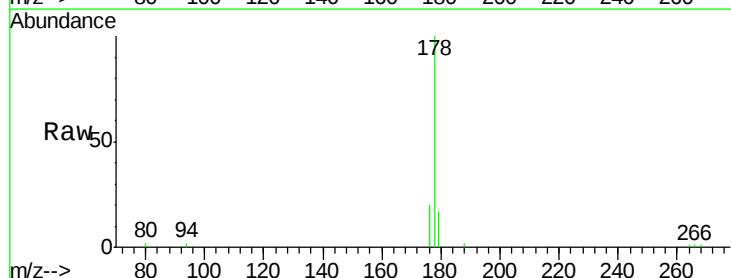
Tgt Ion:178 Resp: 6798

Ion Ratio Lower Upper

178 100

179 17.0 18.4 27.6#

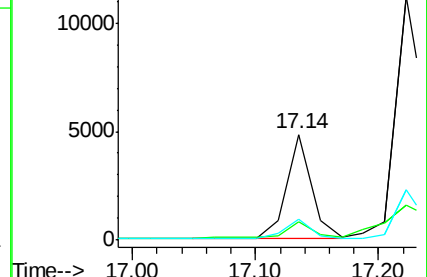
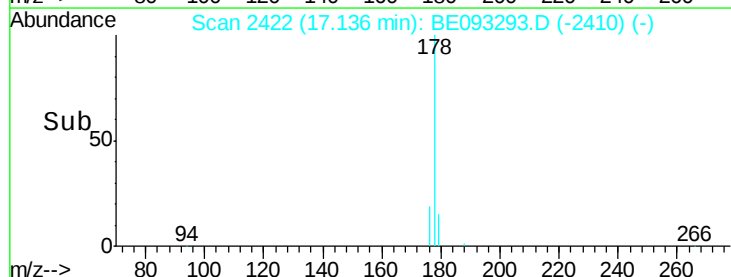
176 19.7 13.6 20.4

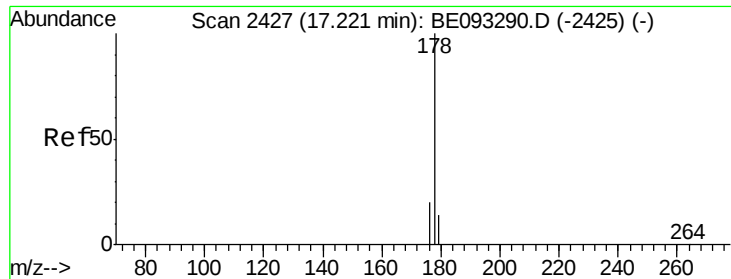


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.58 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093293.D

Acq: 20 Jun 2017 22:15

Instrument :

BNA_E

ClientSampleId :

F5A03

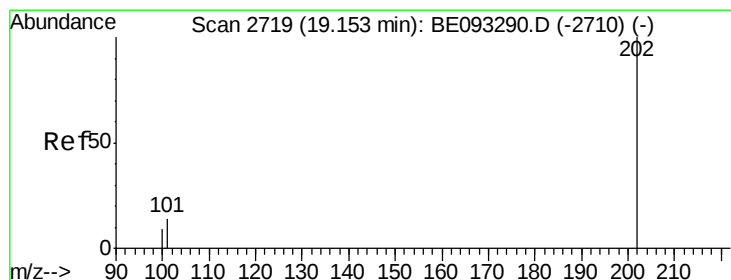
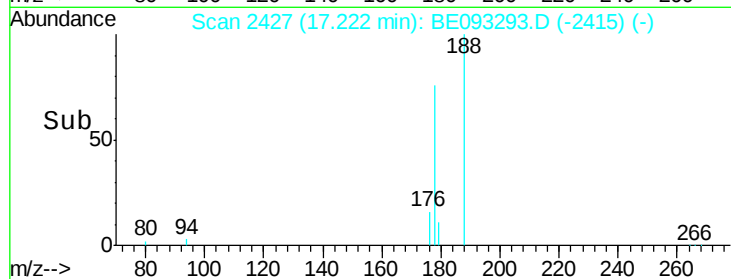
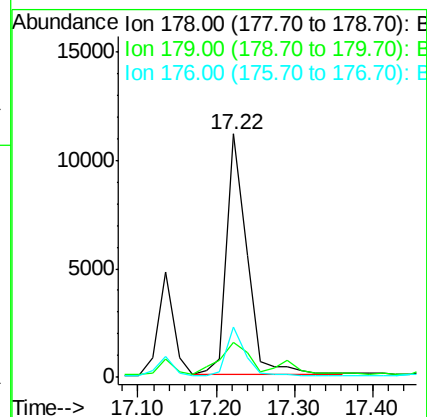
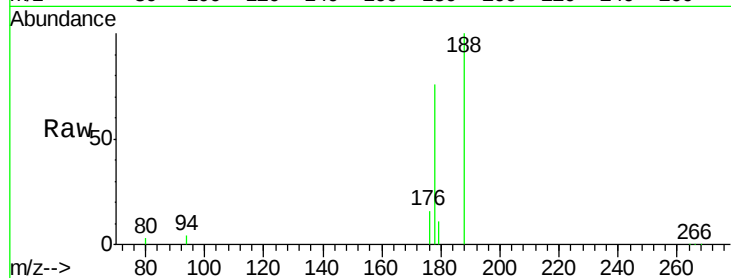
Tgt Ion:178 Resp: 19981

Ion Ratio Lower Upper

178 100

179 14.6 18.1 27.1#

176 20.9 14.7 22.1



#15

Fluoranthene

Concen: 3.58 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093293.D

Acq: 20 Jun 2017 22:15

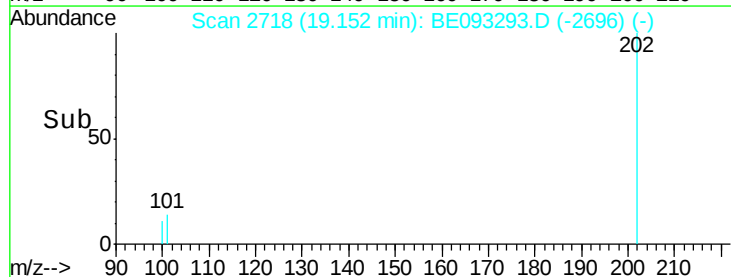
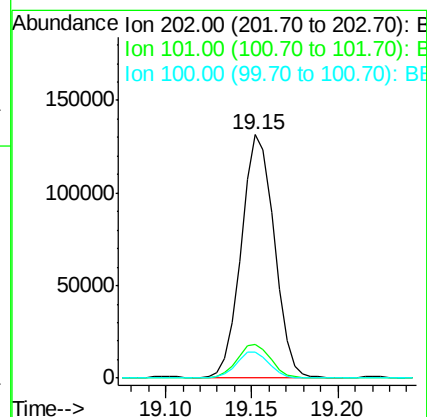
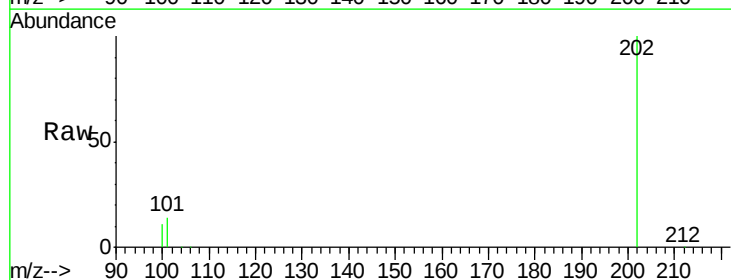
Tgt Ion:202 Resp: 173243

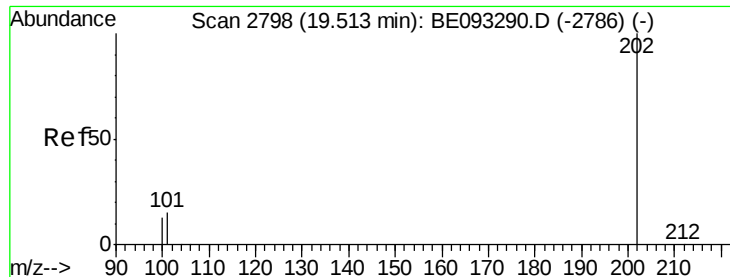
Ion Ratio Lower Upper

202 100

101 14.0 0.0 30.3

100 10.7 0.0 39.5





#17

Pyrene

Concen: 9.48 ng/ul

RT: 19.52 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093293.D

Acq: 20 Jun 2017 22:15

Instrument :

BNA_E

ClientSampleId :

F5A03

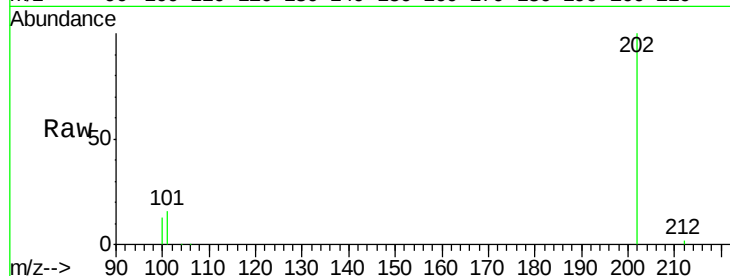
Tgt Ion:202 Resp: 418043

Ion Ratio Lower Upper

202 100

101 15.9 18.2 27.4#

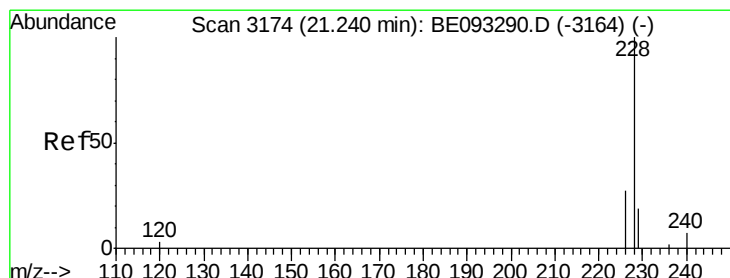
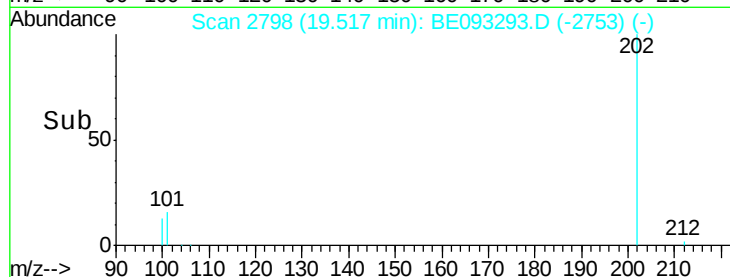
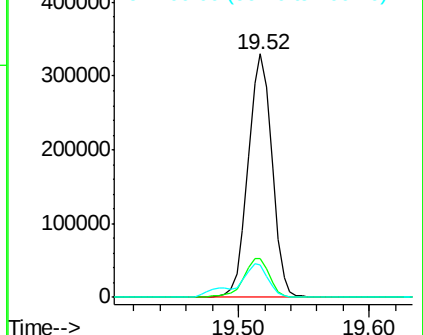
100 13.1 15.6 23.4#



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: 4.06 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE093293.D

Acq: 20 Jun 2017 22:15

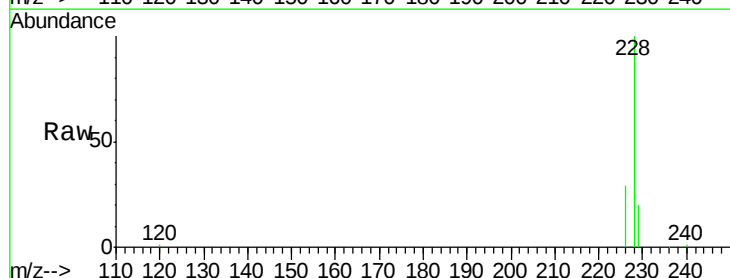
Tgt Ion:228 Resp: 161731

Ion Ratio Lower Upper

228 100

229 20.3 22.8 34.2#

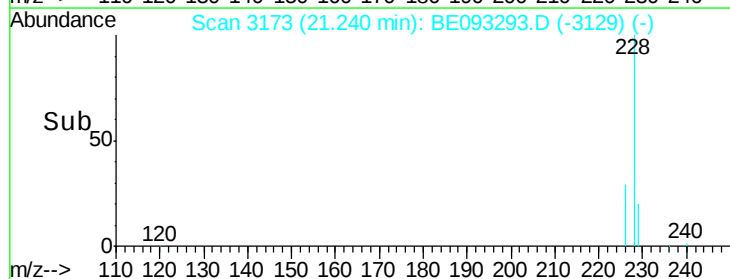
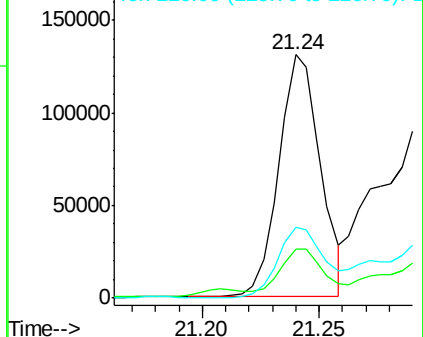
226 29.2 17.0 25.6#

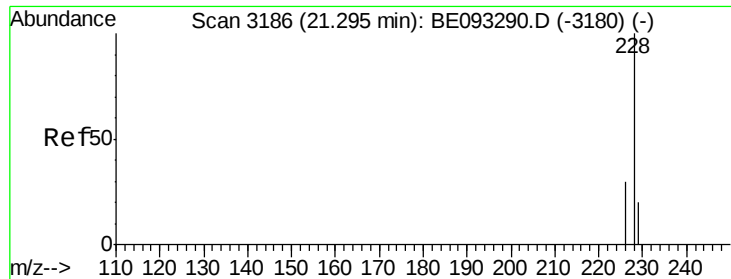


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 4.49 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093293.D

Acq: 20 Jun 2017 22:15

Instrument :

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ClientSampleId :

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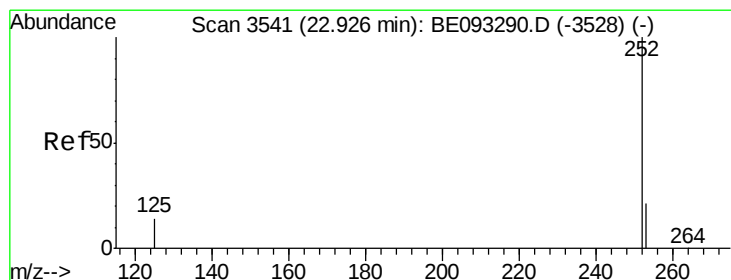
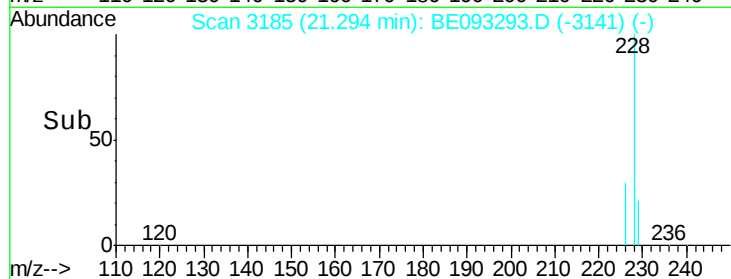
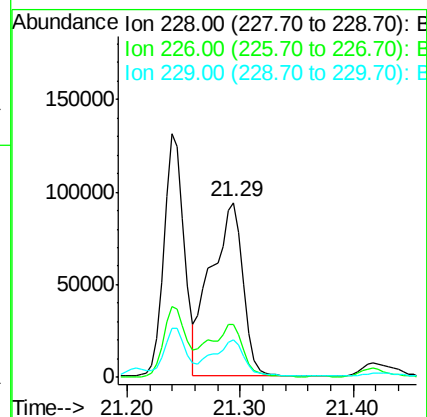
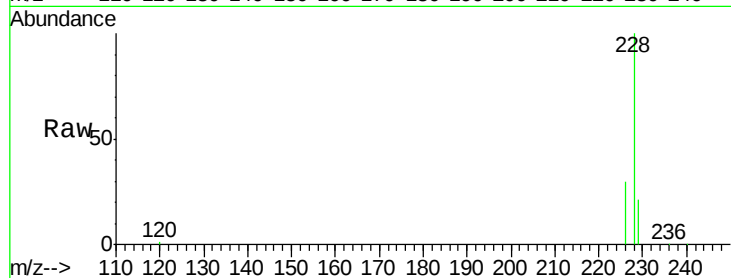
Tgt Ion:228 Resp: 185651

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

229 21.2 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 0.15 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093293.D

Acq: 20 Jun 2017 22:15

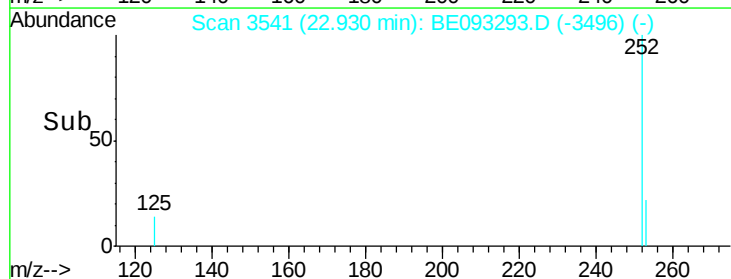
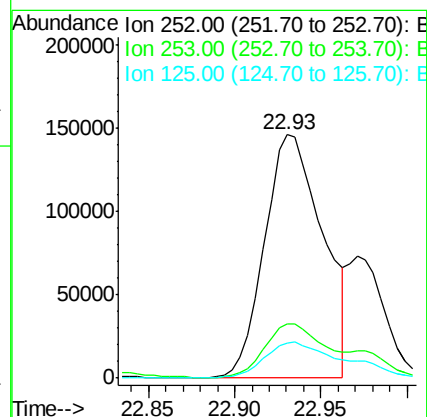
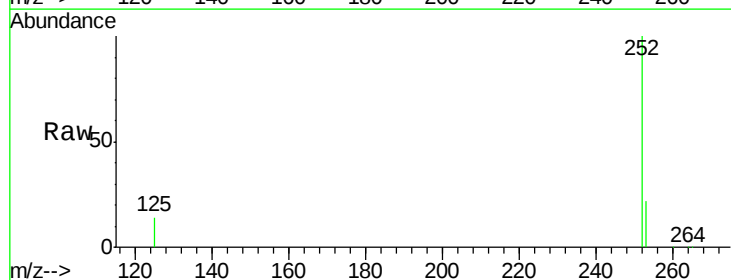
Tgt Ion:252 Resp: 342222

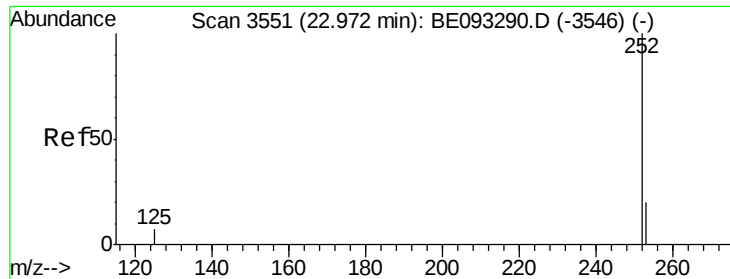
Ion Ratio Lower Upper

252 100

253 22.4 0.0 64.2

125 14.4 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.19 ng/u1

RT: 22.93 min Scan# 3541

Delta R.T. -0.04 min

Lab File: BE093293.D

Acq: 20 Jun 2017 22:15

Instrument :

BNA_E

ClientSampleId :

F5A03

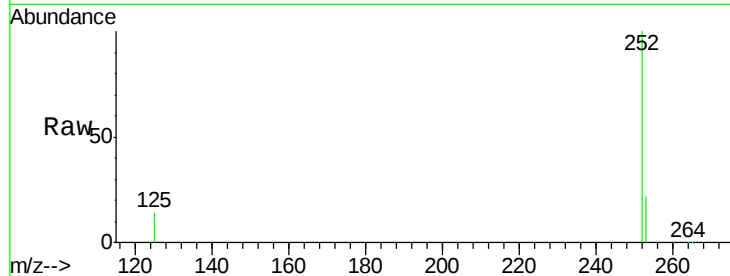
Tgt Ion:252 Resp: 448325

Ion Ratio Lower Upper

252 100

253 22.4 24.5 36.7#

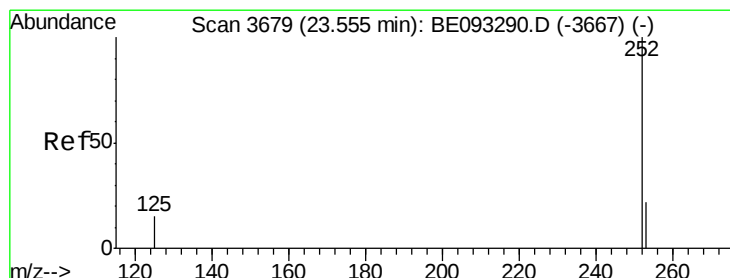
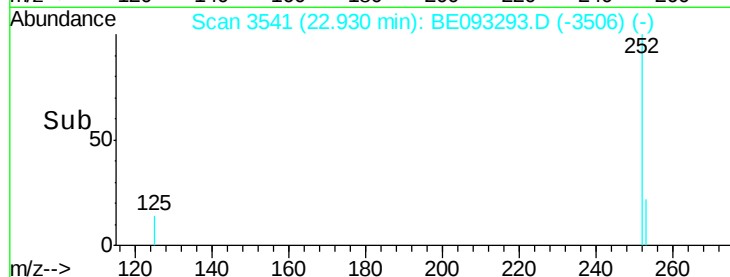
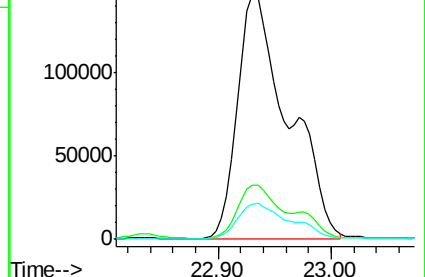
125 14.4 13.7 20.5



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: 0.08 ng/u1

RT: 23.45 min Scan# 3656

Delta R.T. -0.10 min

Lab File: BE093293.D

Acq: 20 Jun 2017 22:15

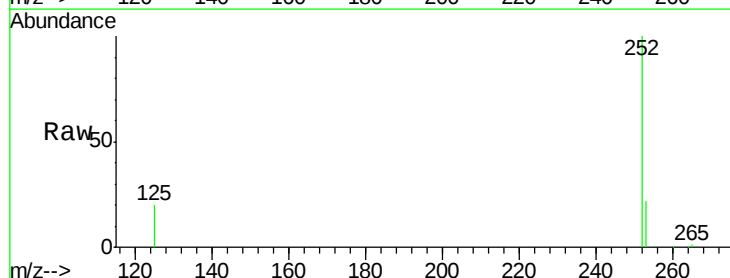
Tgt Ion:252 Resp: 161960

Ion Ratio Lower Upper

252 100

253 22.1 28.5 42.7#

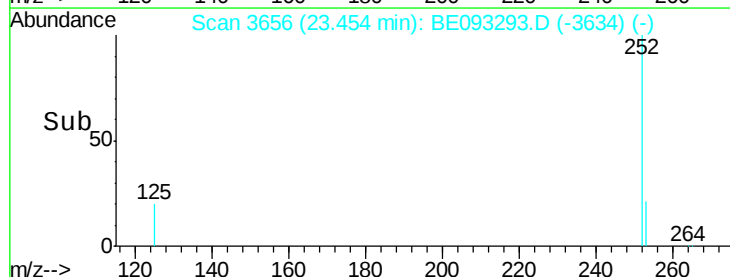
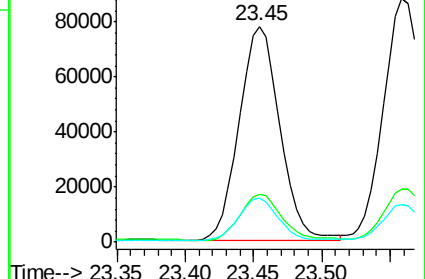
125 20.2 18.1 27.1

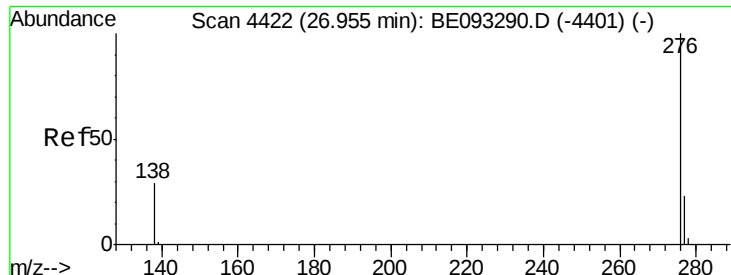


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.04 ng/ul

RT: 26.96 min Scan# 4421

Delta R.T. 0.00 min

Lab File: BE093293.D

Acq: 20 Jun 2017 22:15

Instrument :

BNA_E

ClientSampleId :

F5A03

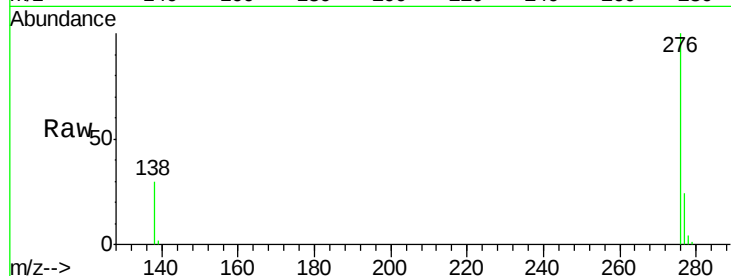
Tgt Ion: 276 Resp: 75528

Ion Ratio Lower Upper

276 100

138 30.2 21.8 32.8

277 24.2 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

