

Data File : BE093295.D
Acq On : 20 Jun 2017 23:30
Operator : SJ/JU
Sample : I3627-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A90

Quant Time: Jun 21 03:24:38 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	1820	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9400	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	9514	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	14005	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13733	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	624296	0.40	ng/ul	-0.15

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	3309	0.24	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	9312	0.24	ng/ul	0.00

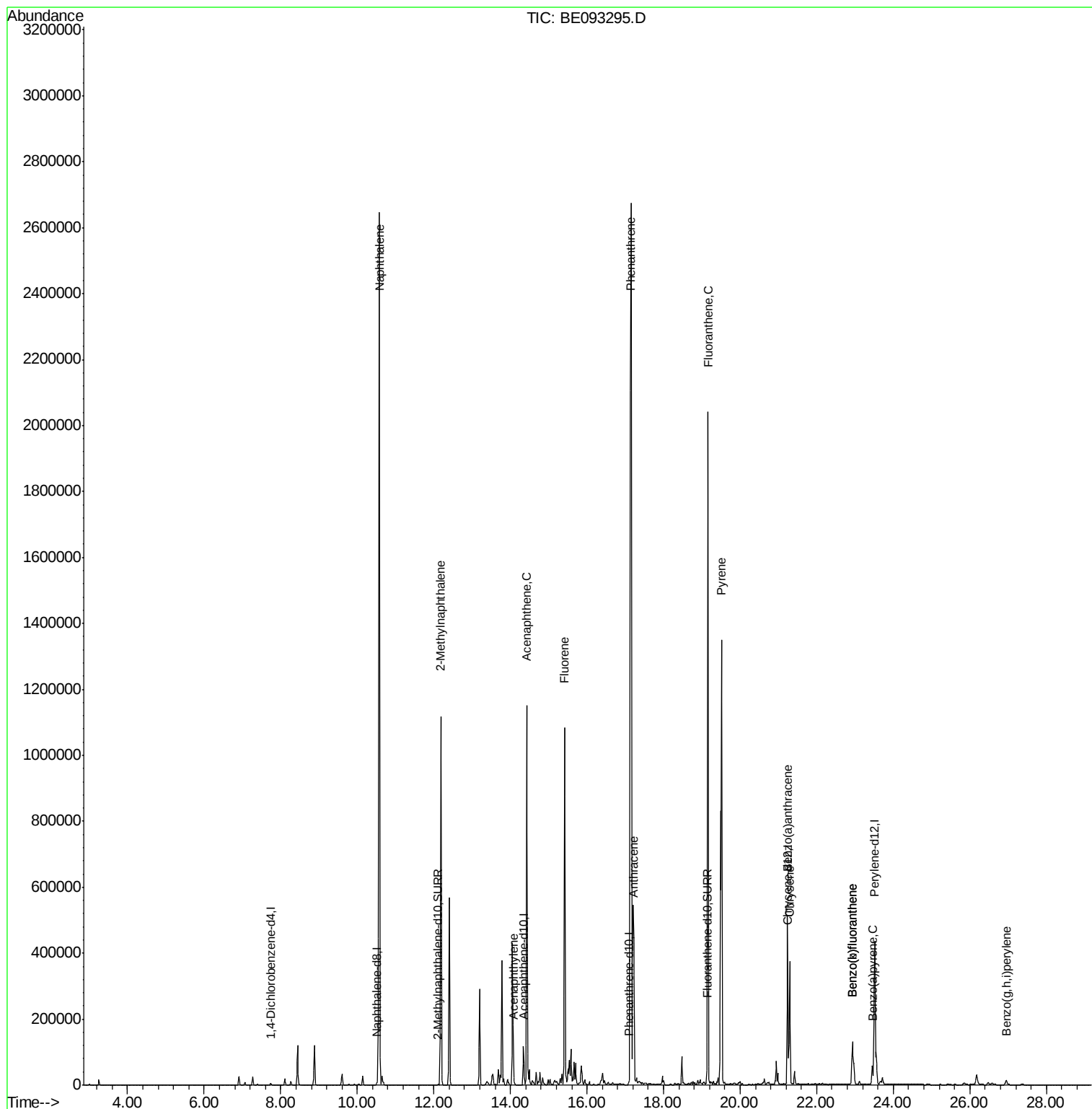
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	4286846	183.80	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	936944	58.75	ng/ul	99
7) Acenaphthylene	14.08	152	25244	0.62	ng/ul#	85
8) Acenaphthene	14.43	153	677166	20.56	ng/ul	98
9) Fluorene	15.42	166	664868	17.22	ng/ul	91
12) Phenanthrene	17.15	178	3806435	98.78	ng/ul#	94
13) Anthracene	17.22	178	584211	17.41	ng/ul#	85
15) Fluoranthene	19.16	202	2227897	47.15	ng/ul	84
17) Pyrene	19.52	202	1377375	34.01	ng/ul#	88
18) Benzo(a)anthracene	21.24	228	442144	12.07	ng/ul#	85
19) Chrysene	21.30	228	367927	9.68	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	228111	0.12	ng/ul	87
22) Benzo(k)fluoranthene	22.93	252	297977	0.15	ng/ul#	89
23) Benzo(a)pyrene	23.45	252	85411	0.05	ng/ul#	84
26) Benzo(g,h,i)perylene	26.96	276	28354	0.02	ng/ul	98

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

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#3

Naphthalene

Concen: 183.80 ng/ul

RT: 10.57 min Scan# 1231

Delta R.T. 0.01 min

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ClientSampleId :

F5A90

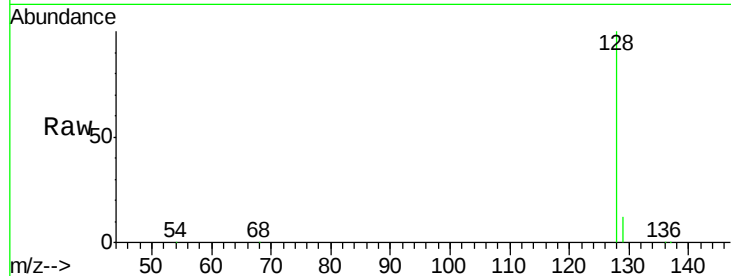
Tgt Ion:128 Resp: 4286846

Ion Ratio Lower Upper

128 100

129 11.9 11.3 16.9

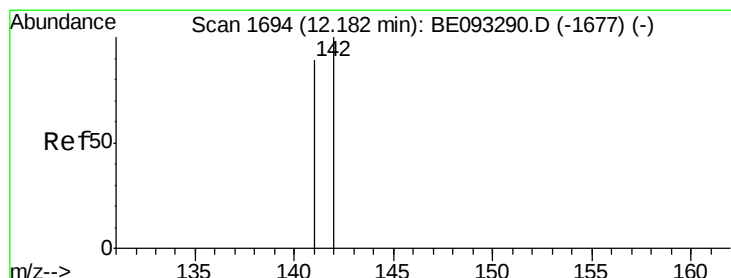
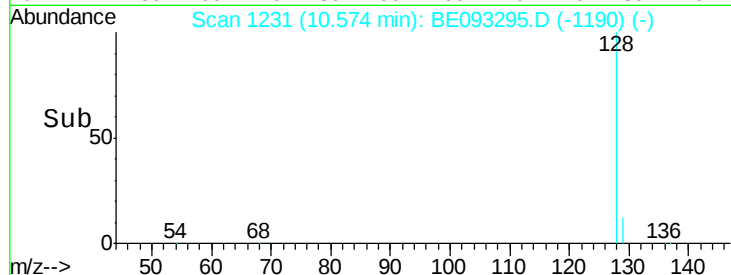
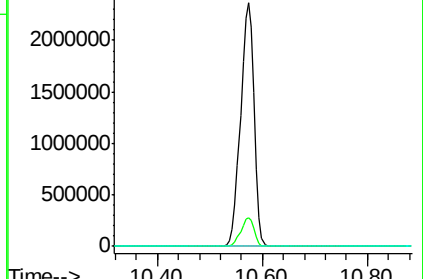
127 0.0 4.0 6.0#



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: 58.75 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093295.D

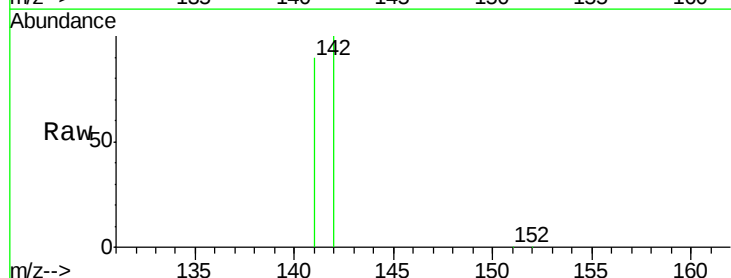
Acq: 20 Jun 2017 23:30

Tgt Ion:142 Resp: 936944

Ion Ratio Lower Upper

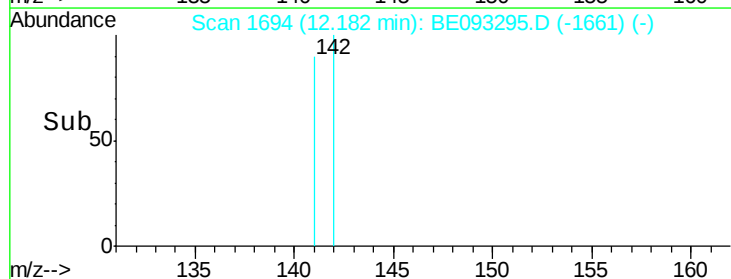
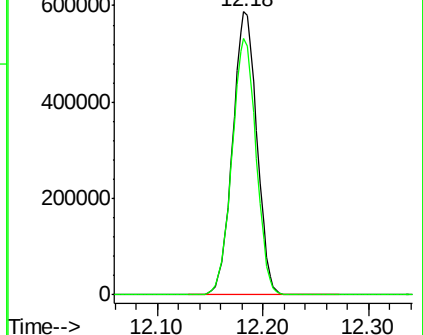
142 100

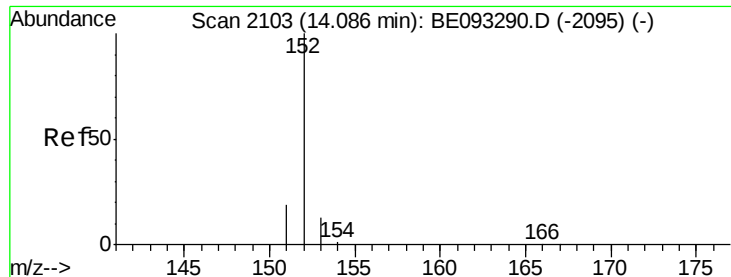
141 90.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.62 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

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Acq: 20 Jun 2017 23:30

Instrument :

BNA_E

ClientSampleId :

F5A90

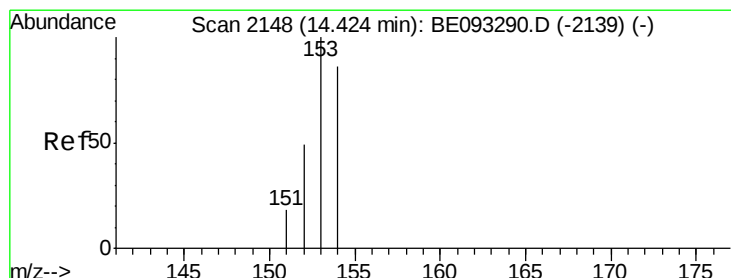
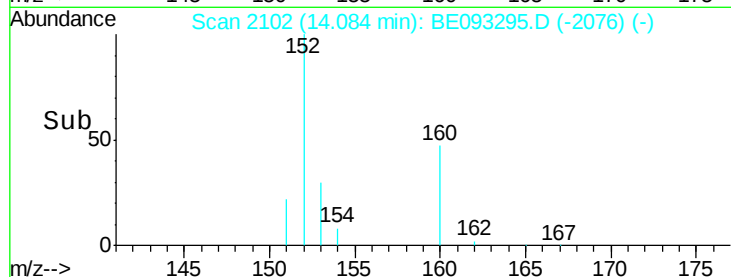
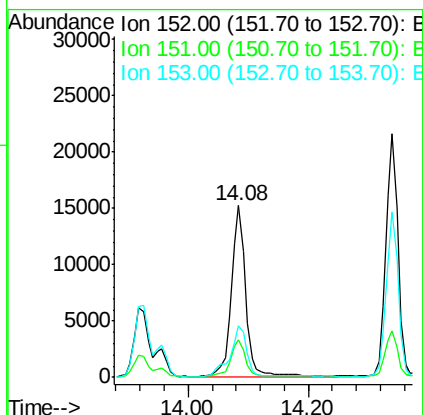
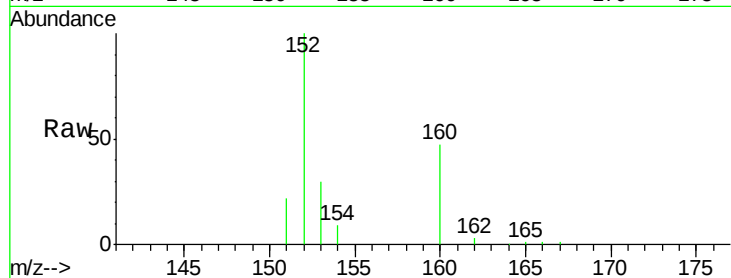
Tgt Ion:152 Resp: 25244

Ion Ratio Lower Upper

152 100

151 22.2 17.1 25.7

153 30.2 12.8 19.2#



#8

Acenaphthene

Concen: 20.56 ng/ul

RT: 14.43 min Scan# 2148

Delta R.T. 0.01 min

Lab File: BE093295.D

Acq: 20 Jun 2017 23:30

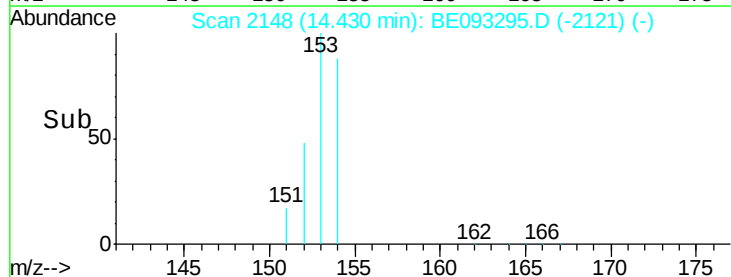
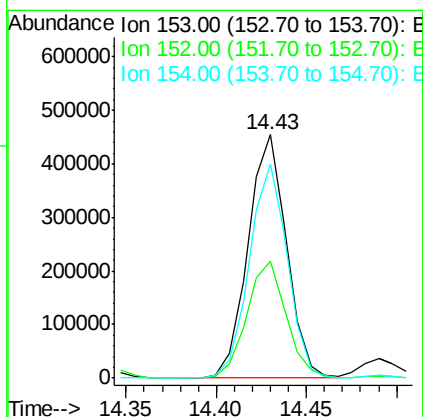
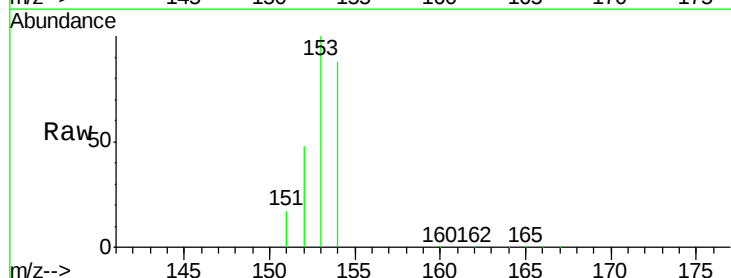
Tgt Ion:153 Resp: 677166

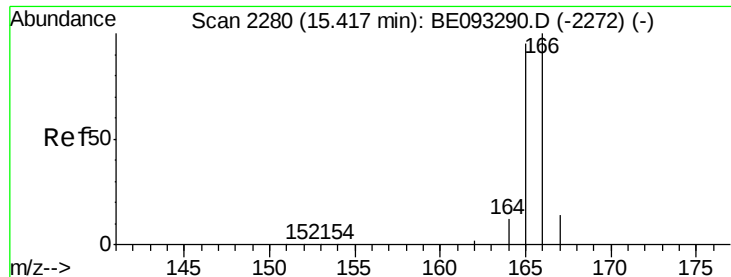
Ion Ratio Lower Upper

153 100

152 47.8 40.3 60.5

154 87.8 71.4 107.2





#9

Fluorene

Concen: 17.22 ng/ul

RT: 15.42 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BE093295.D

Acq: 20 Jun 2017 23:30

Instrument :

BNA_E

ClientSampleId :

F5A90

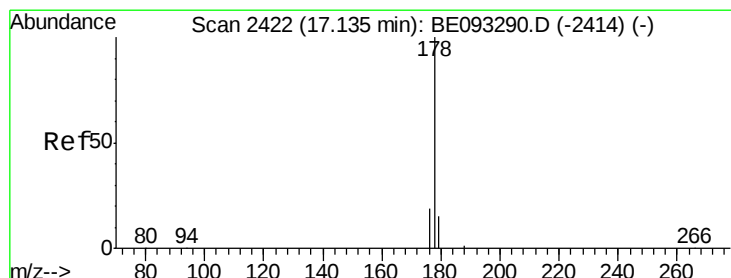
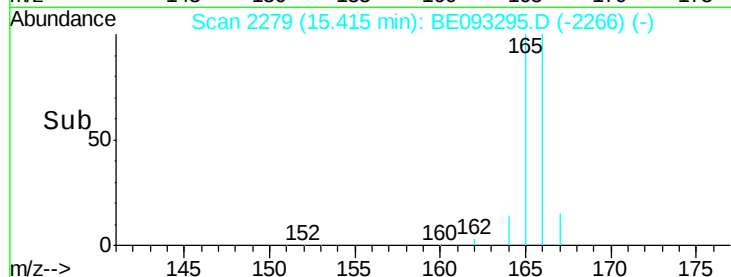
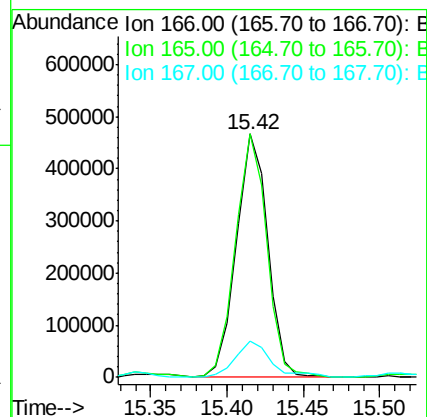
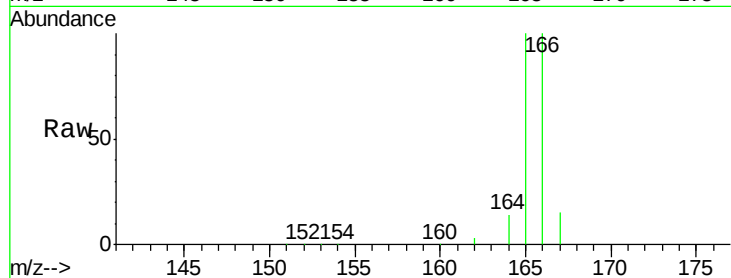
Tgt Ion:166 Resp: 664868

Ion Ratio Lower Upper

166 100

165 100.1 73.4 110.2

167 14.9 14.6 22.0



#12

Phenanthrene

Concen: 98.78 ng/ul

RT: 17.15 min Scan# 2422

Delta R.T. 0.02 min

Lab File: BE093295.D

Acq: 20 Jun 2017 23:30

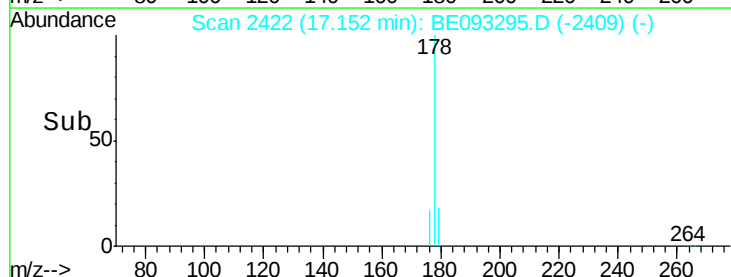
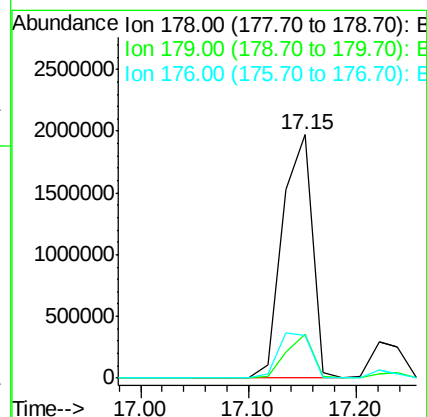
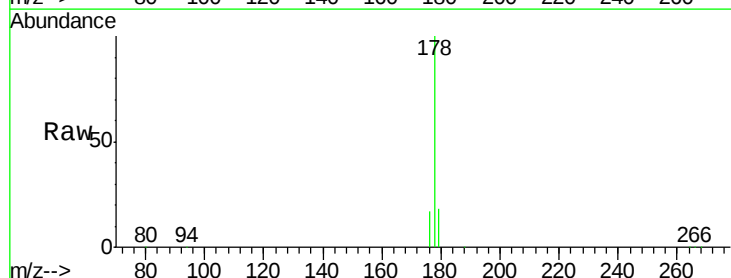
Tgt Ion:178 Resp: 3806435

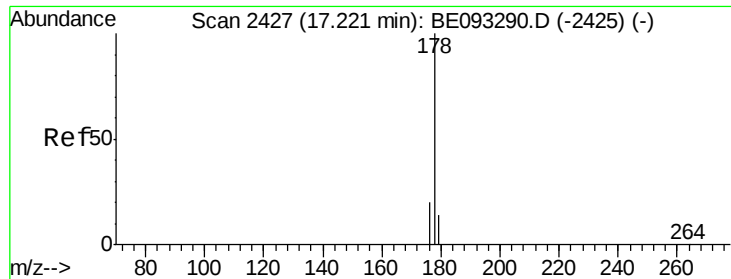
Ion Ratio Lower Upper

178 100

179 18.0 18.4 27.6#

176 17.5 13.6 20.4

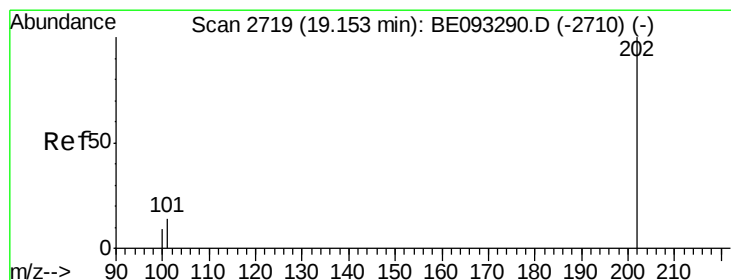
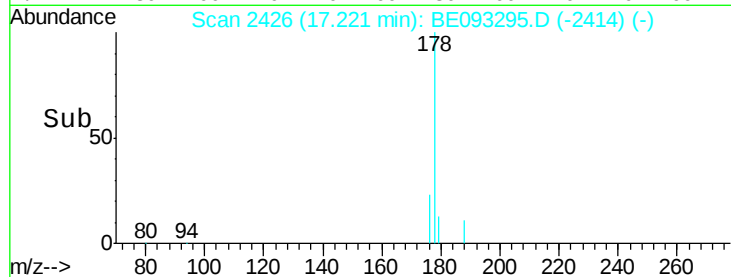
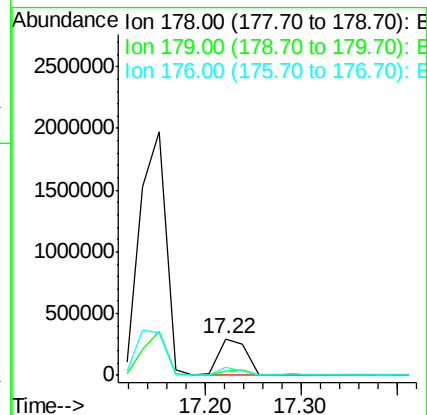
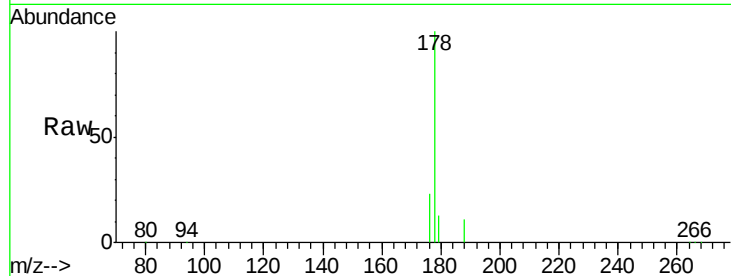




#13
 Anthracene
 Concen: 17.41 ng/ul
 RT: 17.22 min Scan# 2426
 Delta R.T. 0.00 min
 Lab File: BE093295.D
 Acq: 20 Jun 2017 23:30

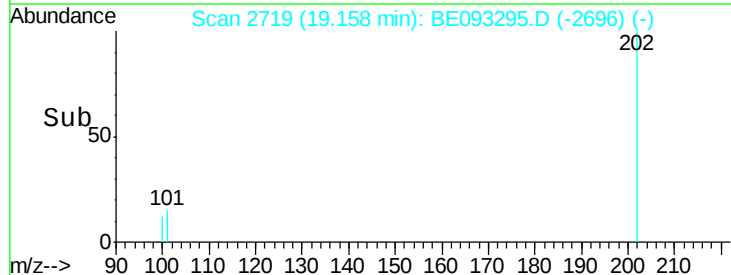
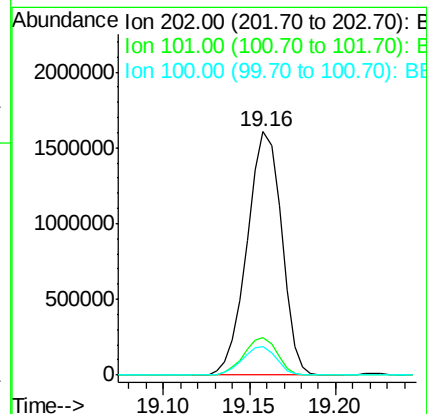
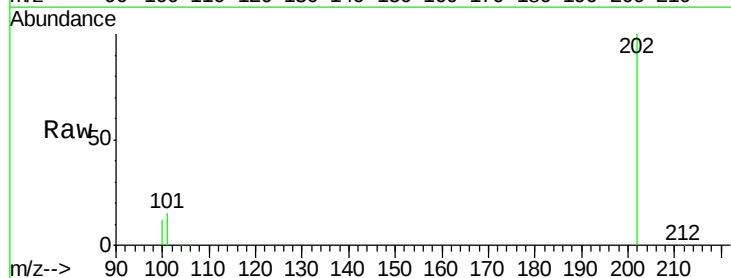
Instrument :
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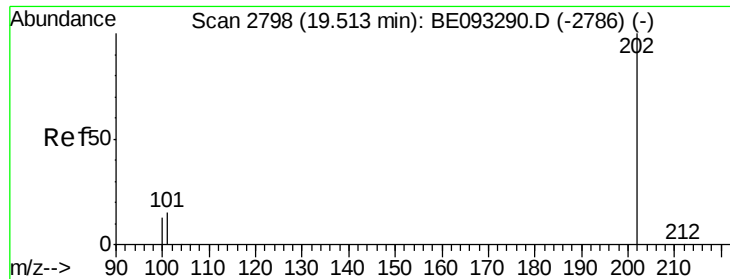
Tgt Ion:178 Resp: 584211
 Ion Ratio Lower Upper
 178 100
 179 13.1 18.1 27.1#
 176 22.6 14.7 22.1#



#15
 Fluoranthene
 Concen: 47.15 ng/ul
 RT: 19.16 min Scan# 2719
 Delta R.T. 0.00 min
 Lab File: BE093295.D
 Acq: 20 Jun 2017 23:30

Tgt Ion:202 Resp: 2227897
 Ion Ratio Lower Upper
 202 100
 101 15.4 0.0 30.3
 100 11.6 0.0 39.5

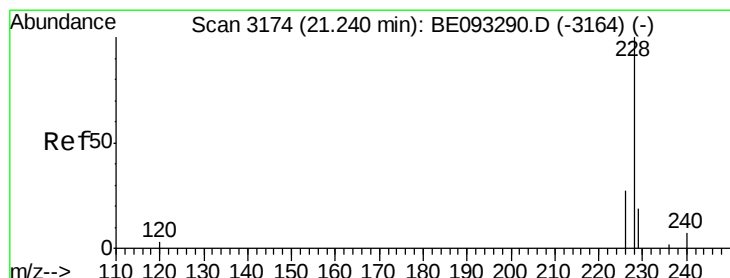
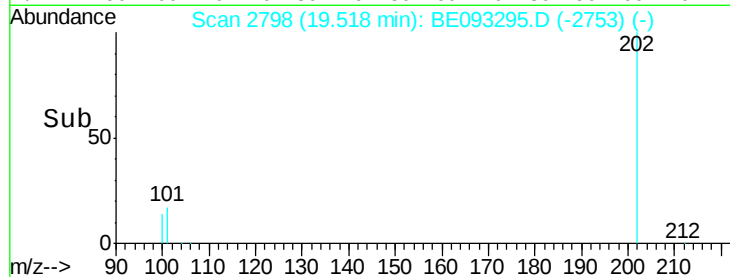
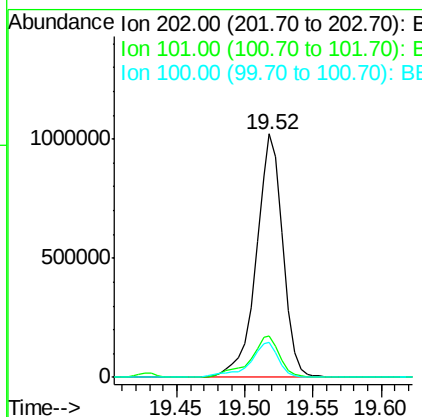
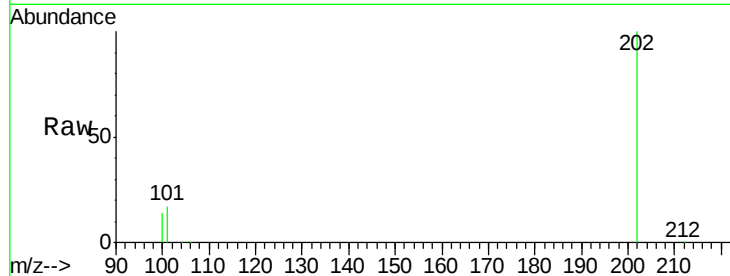




#17
 Pyrene
 Concen: 34.01 ng/ul
 RT: 19.52 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: BE093295.D
 Acq: 20 Jun 2017 23:30

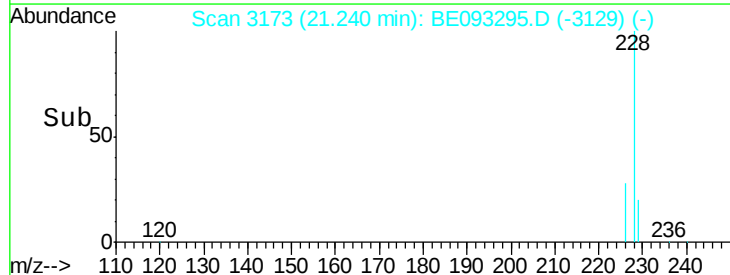
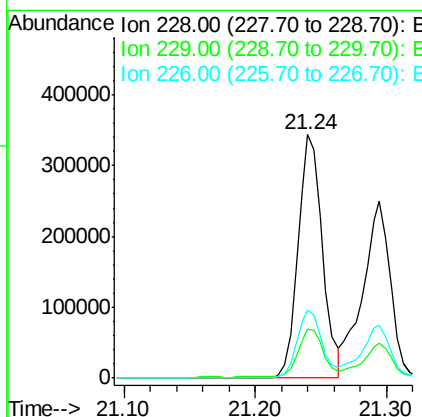
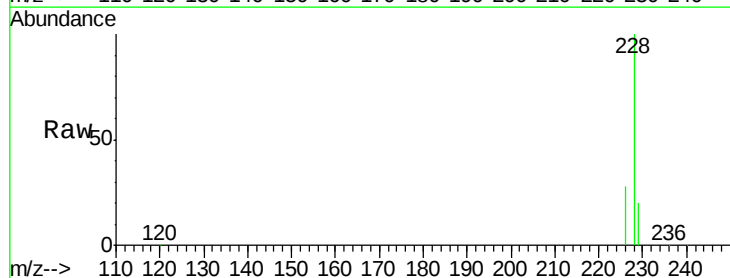
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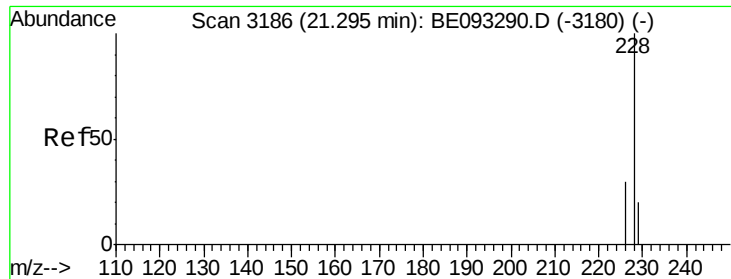
Tgt Ion:202 Resp: 1377375
 Ion Ratio Lower Upper
 202 100
 101 17.2 18.2 27.4#
 100 14.2 15.6 23.4#



#18
 Benzo(a)anthracene
 Concen: 12.07 ng/ul
 RT: 21.24 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: BE093295.D
 Acq: 20 Jun 2017 23:30

Tgt Ion:228 Resp: 442144
 Ion Ratio Lower Upper
 228 100
 229 20.3 22.8 34.2#
 226 28.2 17.0 25.6#





#19

Chrysene

Concen: 9.68 ng/u1

RT: 21.30 min Scan# 3185

Delta R.T. 0.00 min

Lab File: BE093295.D

Acq: 20 Jun 2017 23:30

Instrument :

BNA_E

ClientSampleId :

F5A90

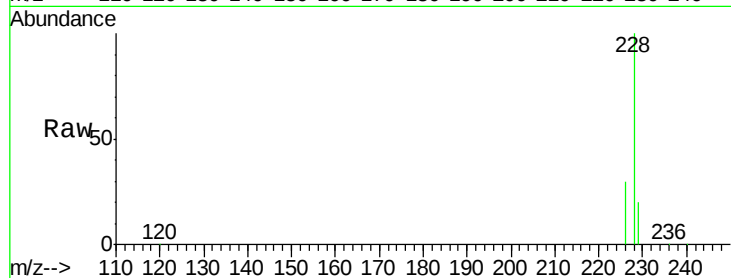
Tgt Ion:228 Resp: 367927

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.0

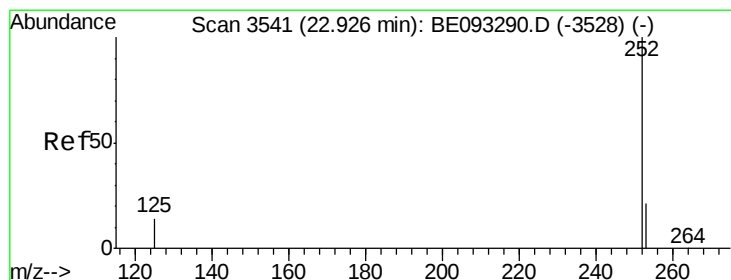
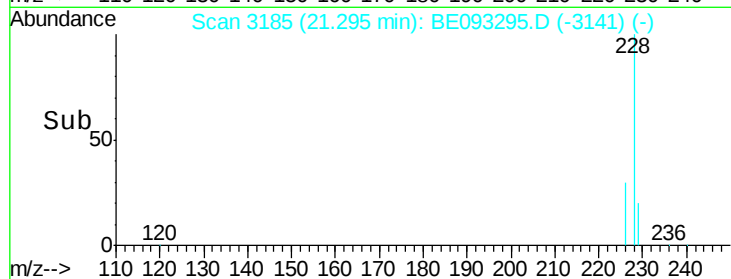
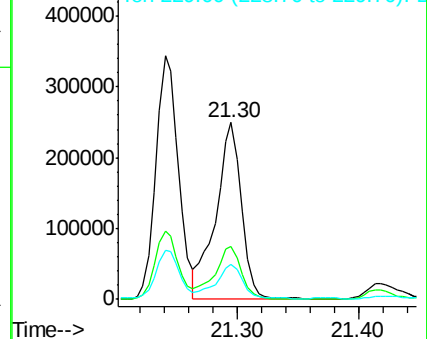
229 20.1 17.7 26.5



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: 0.12 ng/u1

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093295.D

Acq: 20 Jun 2017 23:30

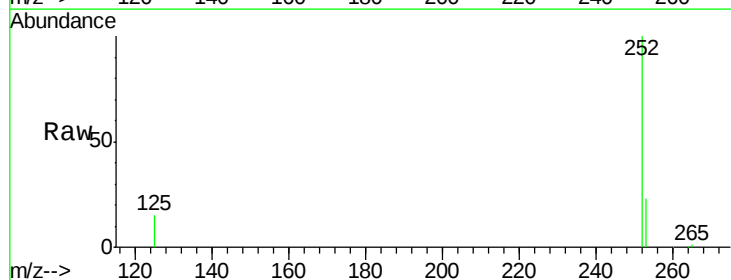
Tgt Ion:252 Resp: 228111

Ion Ratio Lower Upper

252 100

253 22.7 0.0 64.2

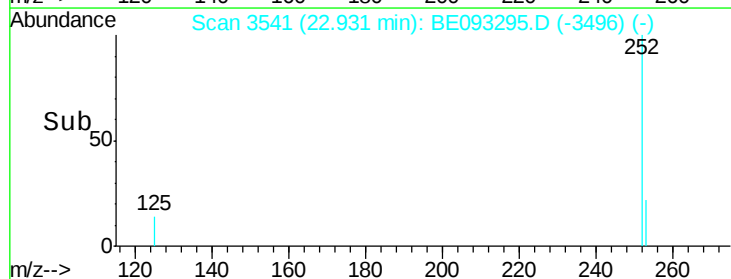
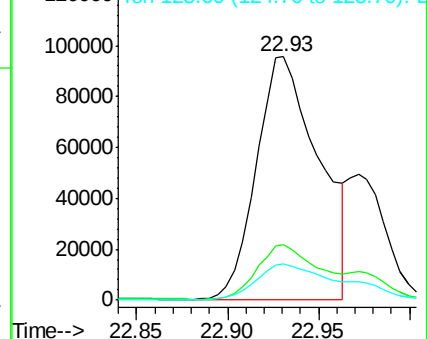
125 14.7 0.0 35.0

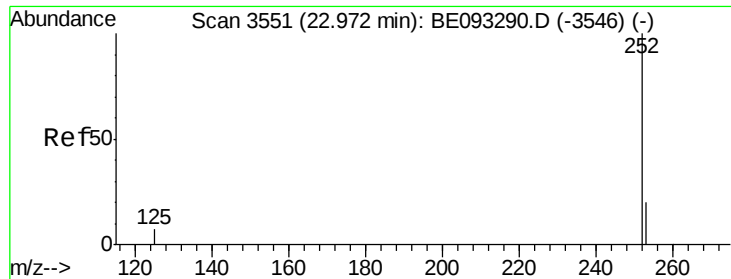


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.15 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. -0.04 min

Lab File: BE093295.D

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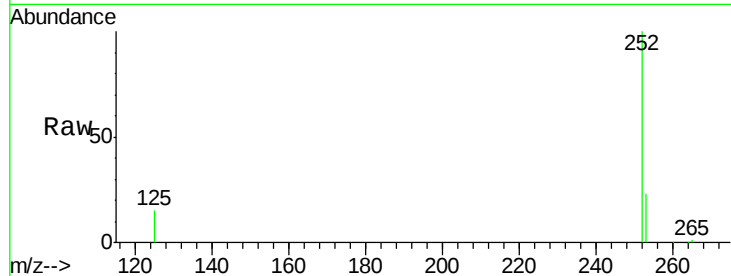
Tgt Ion:252 Resp: 297977

Ion Ratio Lower Upper

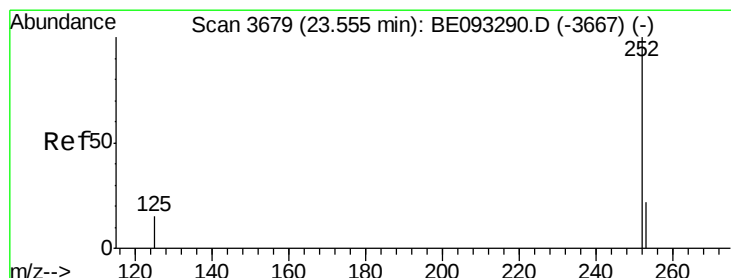
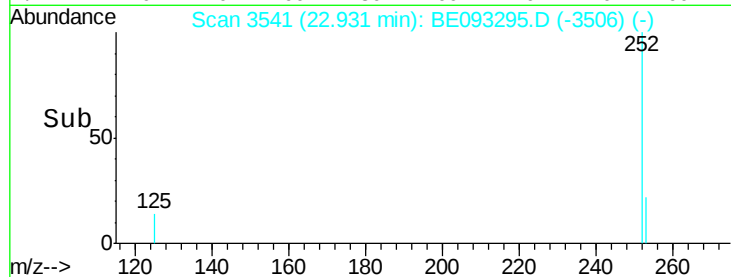
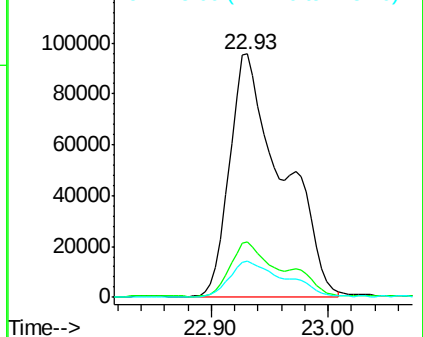
252 100

253 22.7 24.5 36.7#

125 14.7 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: 0.05 ng/ul

RT: 23.45 min Scan# 3656

Delta R.T. -0.10 min

Lab File: BE093295.D

Acq: 20 Jun 2017 23:30

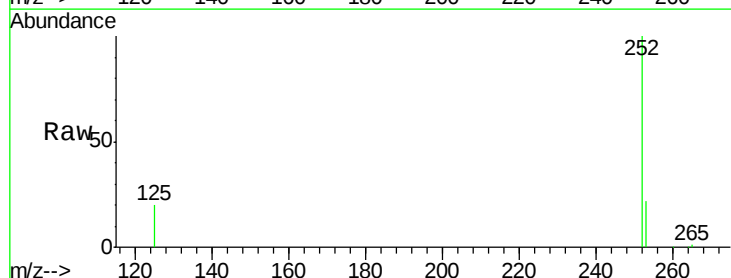
Tgt Ion:252 Resp: 85411

Ion Ratio Lower Upper

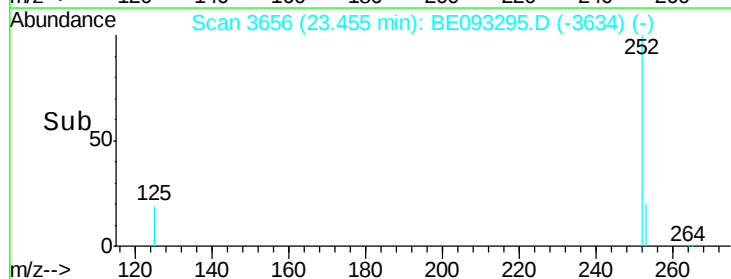
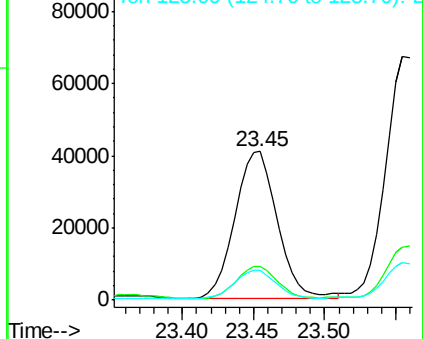
252 100

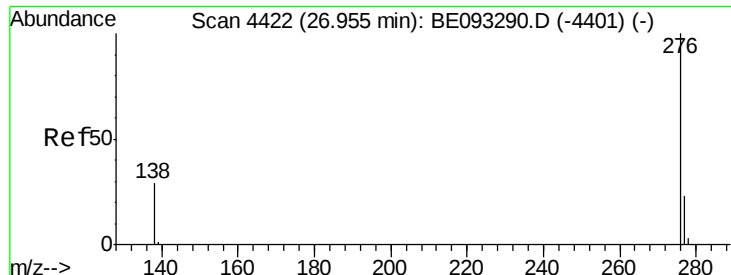
253 22.4 28.5 42.7#

125 19.8 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: 0.02 ng/ul

RT: 26.96 min Scan# 4421

Delta R.T. 0.00 min

Lab File: BE093295.D

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F5A90

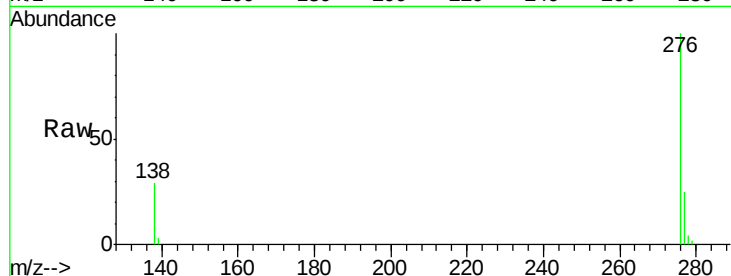
Tgt Ion: 276 Resp: 28354

Ion Ratio Lower Upper

276 100

138 29.0 21.8 32.8

277 25.0 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

