

Data File : BE093192.D
Acq On : 15 Jun 2017 4:57
Operator : SJ/MA
Sample : I3521-05
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C48

Quant Time: Jun 15 06:32:38 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3375	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	18081	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	11309	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	26425	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	27167	0.40	ng/ul	0.00
20) Perylene-d12	23.52	264	1178394	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	5978	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	17001	0.24	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	5814	0.13	ng/ul#	94
5) 2-Methylnaphthalene	12.19	142	1269	0.04	ng/ul	96
7) Acenaphthylene	14.09	152	68782	1.42	ng/ul	95
8) Acenaphthene	14.43	153	1411	0.04	ng/ul#	93
9) Fluorene	15.42	166	1788	0.04	ng/ul#	88
12) Phenanthrene	17.13	178	40027	0.55	ng/ul#	85
13) Anthracene	17.24	178	59254	0.94	ng/ul	92
15) Fluoranthene	19.16	202	666101	7.47	ng/ul	84
17) Pyrene	19.52	202	803358	10.03	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	402775	5.56	ng/ul#	83
19) Chrysene	21.30	228	641171	8.53	ng/ul	98
21) Benzo(b)fluoranthene	22.94	252	985551	0.28	ng/ul	86
22) Benzo(k)fluoranthene	22.94	252	1328937	0.35	ng/ul#	88
23) Benzo(a)pyrene	23.46	252	473086	0.14	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.92	276	63266	0.02	ng/ul#	70
26) Benzo(g,h,i)perylene	26.97	276	254367	0.08	ng/ul	97

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

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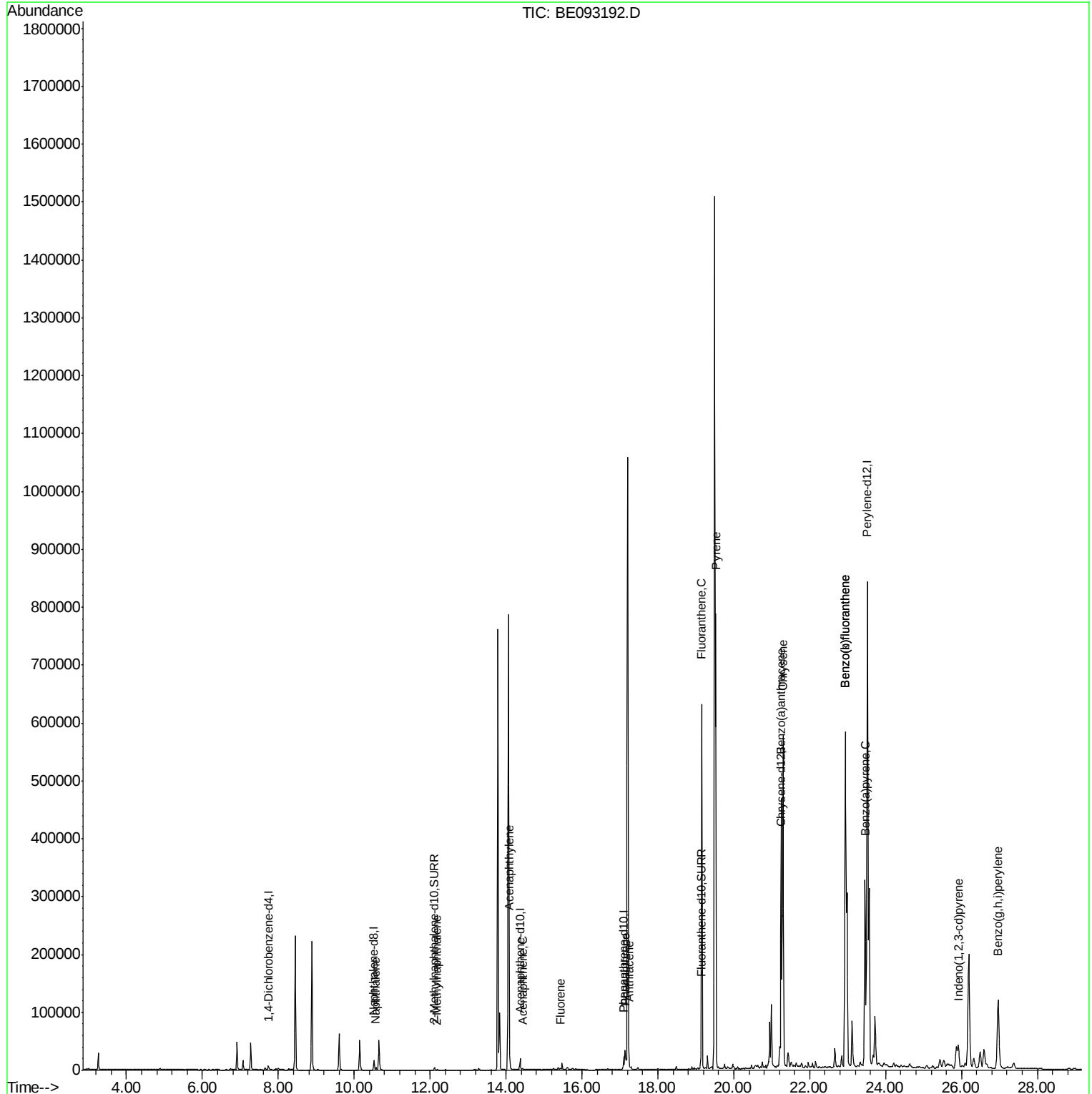
Quant Time: Jun 15 06:32:38 2017

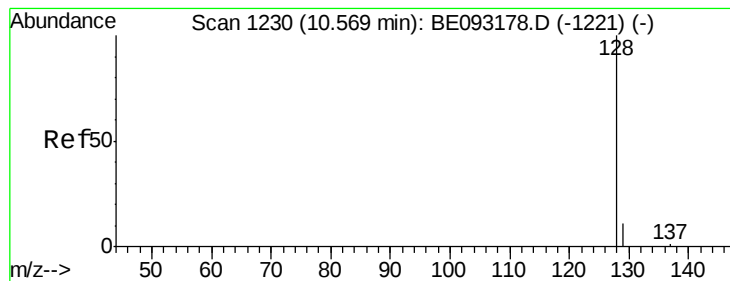
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 15 03:59:13 2017

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#3

Naphthalene

Concen: 0.13 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Instrument :

BNA_E

ClientSampleId :

F5C48

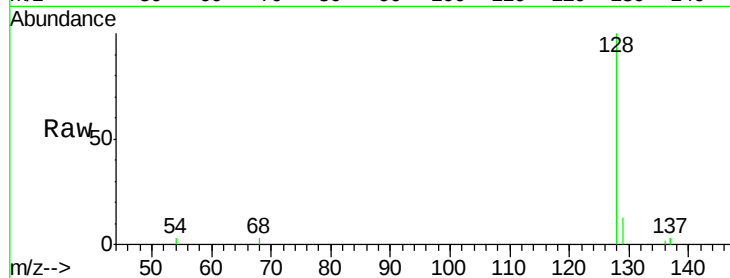
Tgt Ion:128 Resp: 5814

Ion Ratio Lower Upper

128 100

129 12.8 11.3 16.9

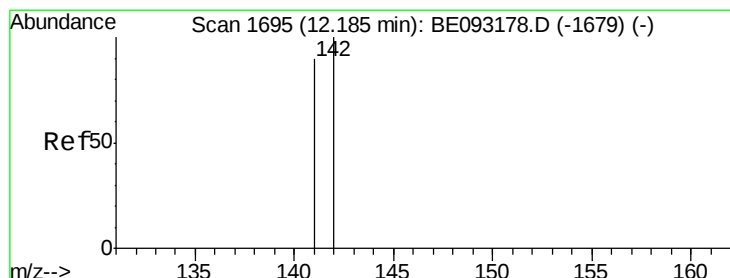
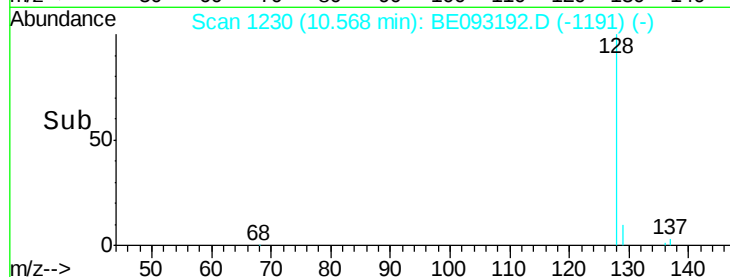
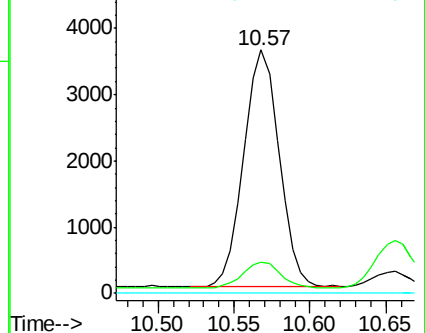
127 0.0 4.0 6.0#



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: 0.04 ng/ul

RT: 12.19 min Scan# 1696

Delta R.T. 0.00 min

Lab File: BE093192.D

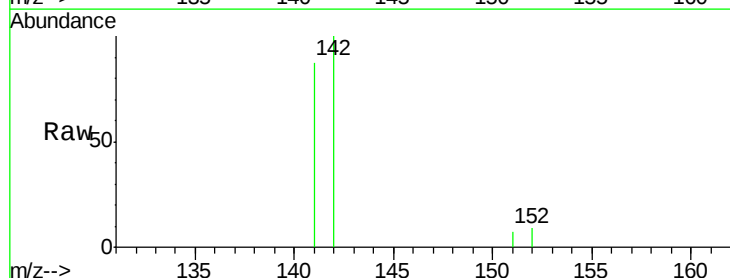
Acq: 15 Jun 2017 4:57

Tgt Ion:142 Resp: 1269

Ion Ratio Lower Upper

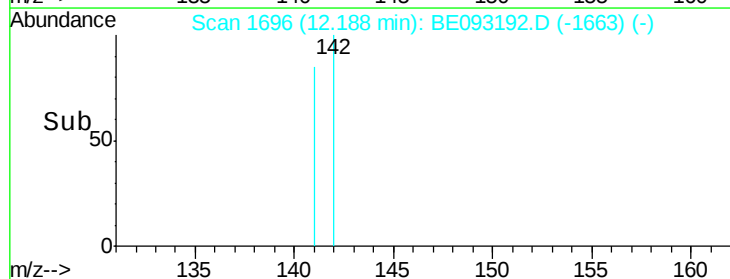
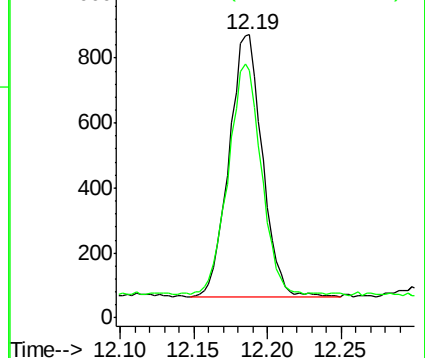
142 100

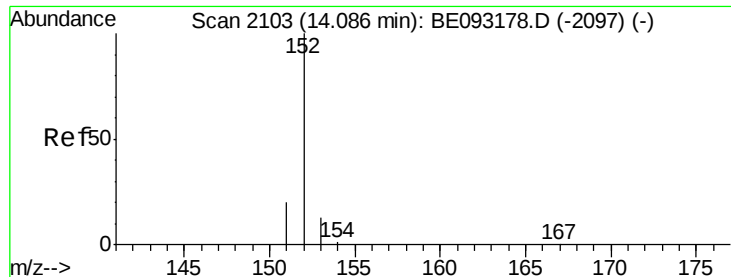
141 87.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.42 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Instrument :

BNA_E

ClientSampleId :

F5C48

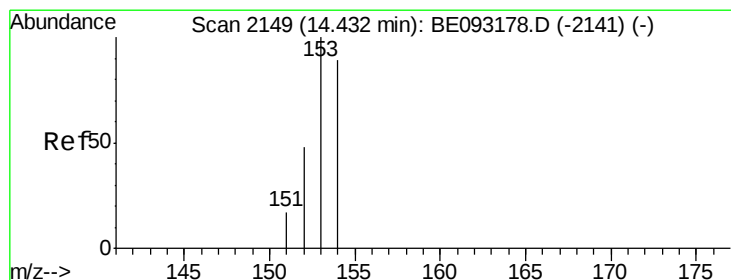
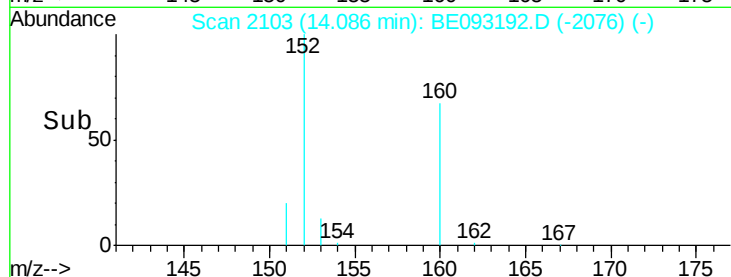
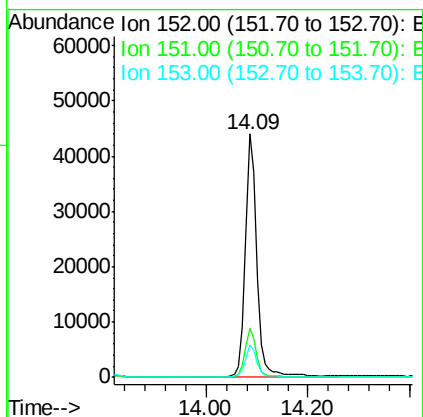
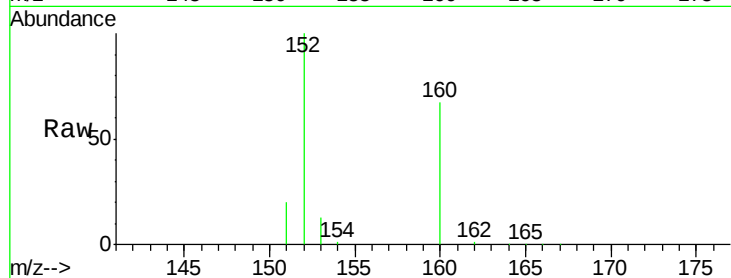
Tgt Ion:152 Resp: 68782

Ion Ratio Lower Upper

152 100

151 20.1 17.1 25.7

153 13.1 12.8 19.2



#8

Acenaphthene

Concen: 0.04 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

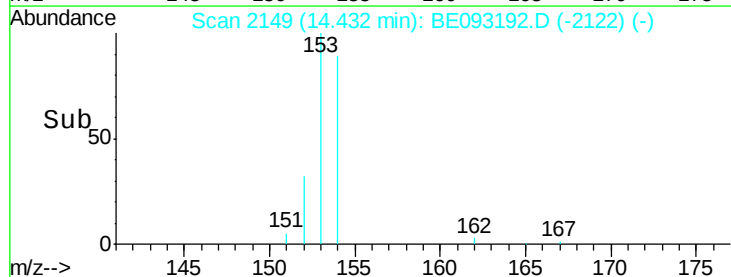
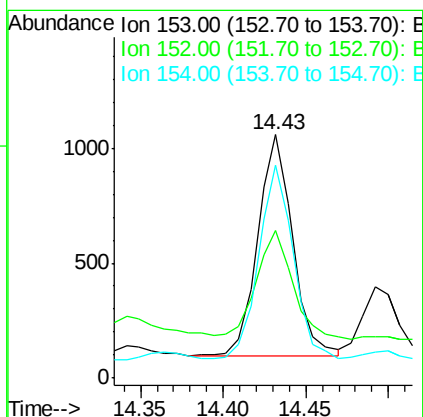
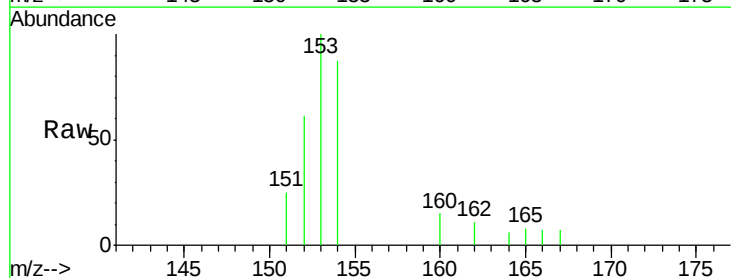
Tgt Ion:153 Resp: 1411

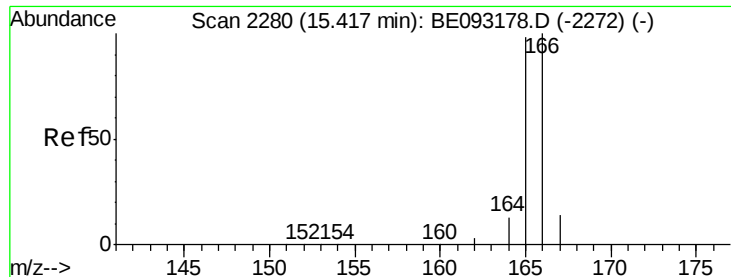
Ion Ratio Lower Upper

153 100

152 60.7 40.3 60.5#

154 87.3 71.4 107.2





#9

Fluorene

Concen: 0.04 ng/ul

RT: 15.42 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Instrument :

BNA_E

ClientSampleId :

F5C48

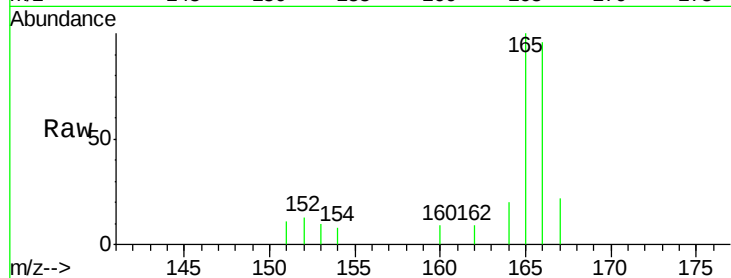
Tgt Ion:166 Resp: 1788

Ion Ratio Lower Upper

166 100

165 104.1 73.4 110.2

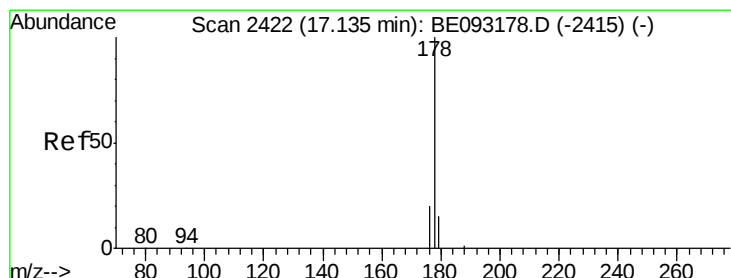
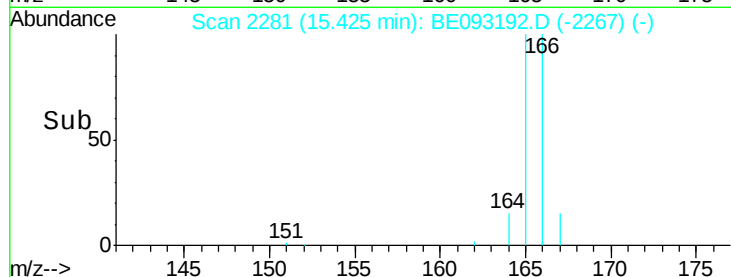
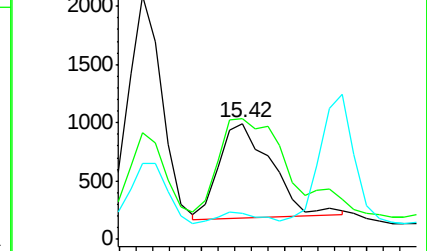
167 22.7 14.6 22.0#



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: 0.55 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

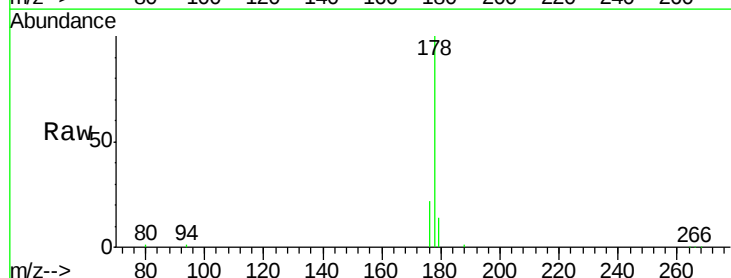
Tgt Ion:178 Resp: 40027

Ion Ratio Lower Upper

178 100

179 14.5 18.4 27.6#

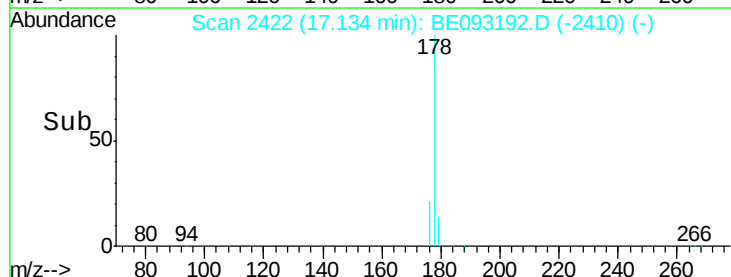
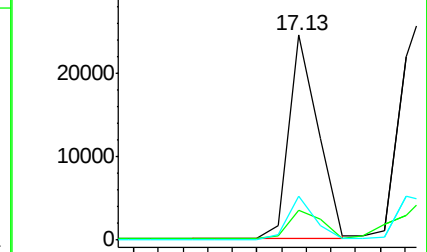
176 21.7 13.6 20.4#

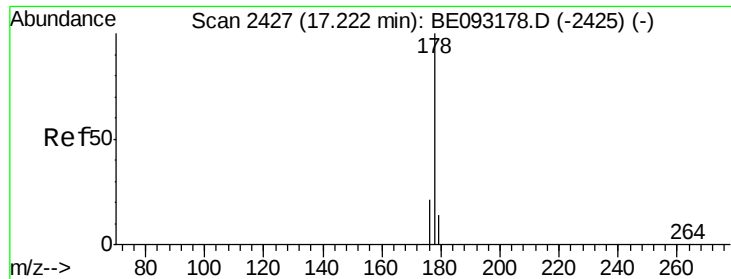


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.94 ng/ul

RT: 17.24 min Scan# 2428

Delta R.T. 0.02 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Instrument :

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ClientSampleId :

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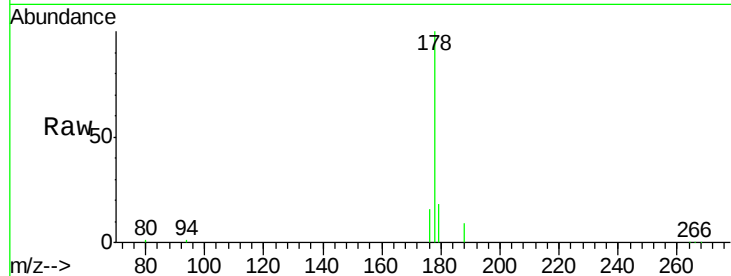
Tgt Ion:178 Resp: 59254

Ion Ratio Lower Upper

178 100

179 18.2 18.1 27.1

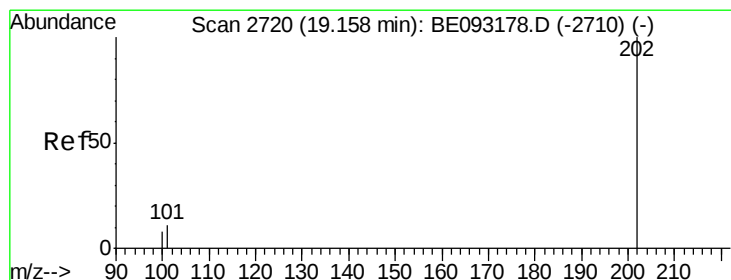
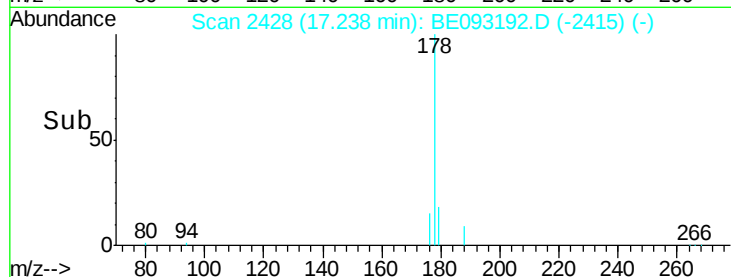
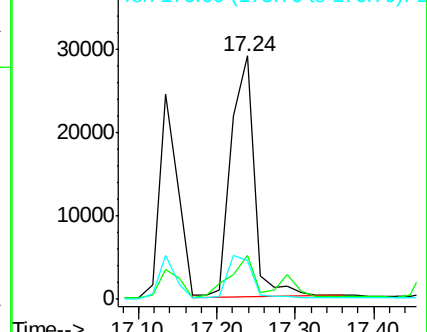
176 15.7 14.7 22.1



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: 7.47 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. -0.00 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

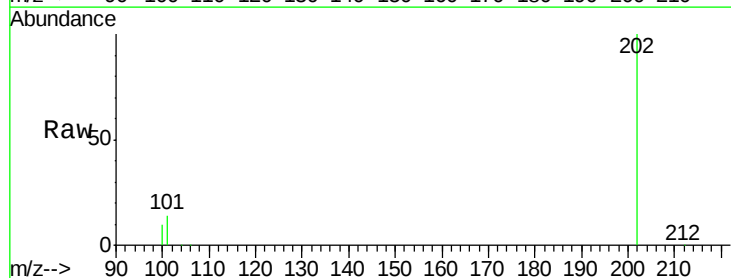
Tgt Ion:202 Resp: 666101

Ion Ratio Lower Upper

202 100

101 14.1 0.0 30.3

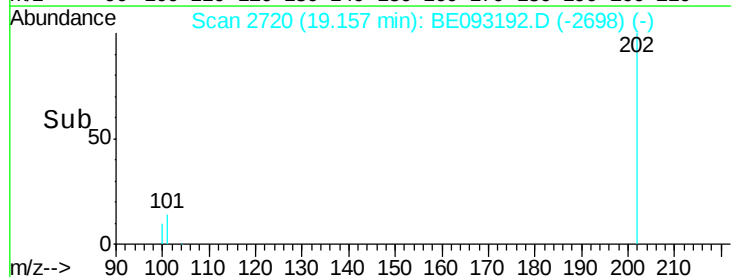
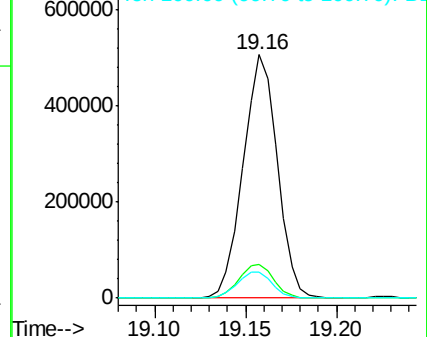
100 10.5 0.0 39.5

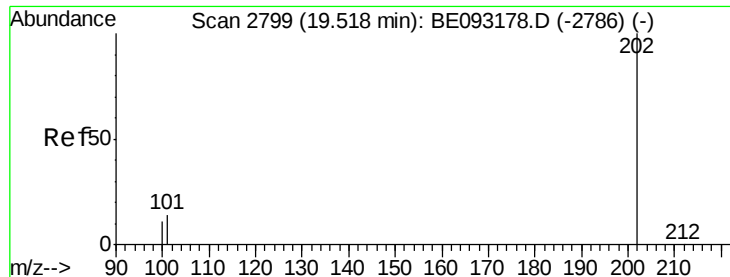


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pyrene

Concen: 10.03 ng/ul

RT: 19.52 min Scan# 2800

Delta R.T. 0.00 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Instrument :

BNA_E

ClientSampleId :

F5C48

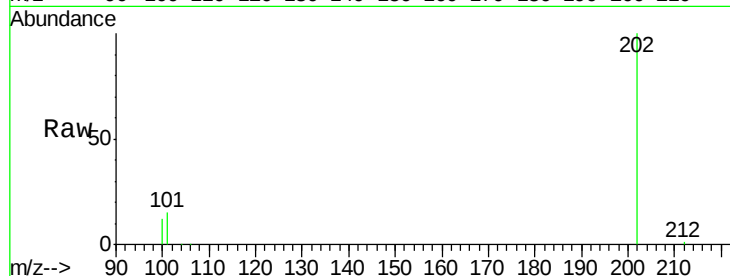
Tgt Ion:202 Resp: 803358

Ion Ratio Lower Upper

202 100

101 15.3 18.2 27.4#

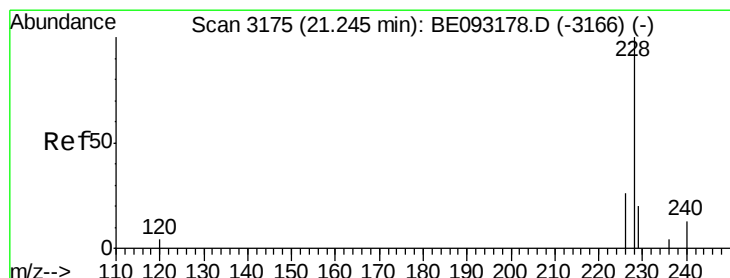
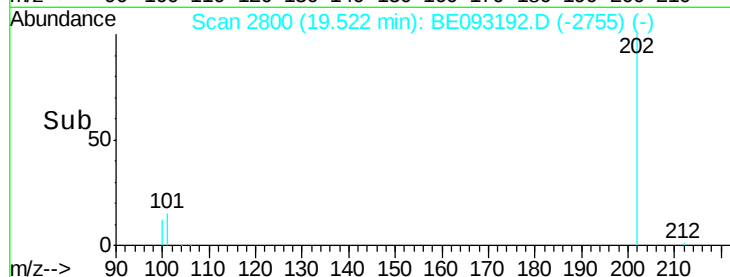
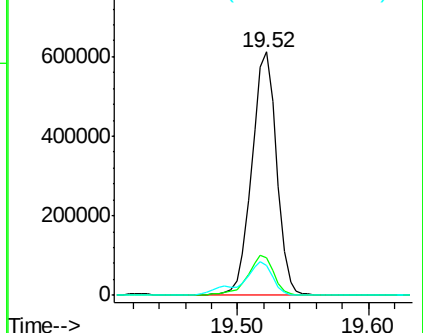
100 12.1 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 5.56 ng/ul

RT: 21.24 min Scan# 3175

Delta R.T. -0.00 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

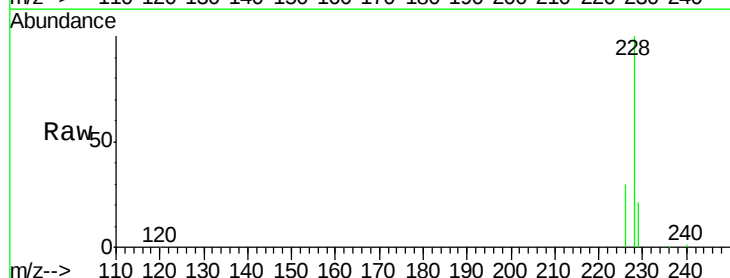
Tgt Ion:228 Resp: 402775

Ion Ratio Lower Upper

228 100

229 20.8 22.8 34.2#

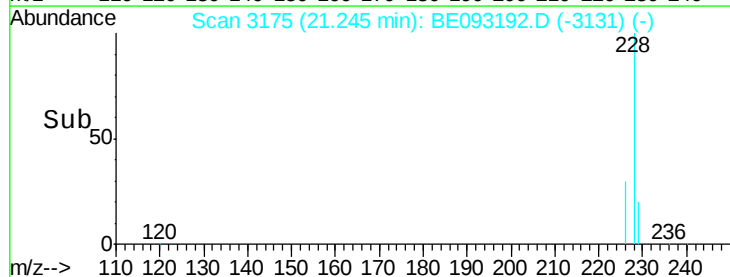
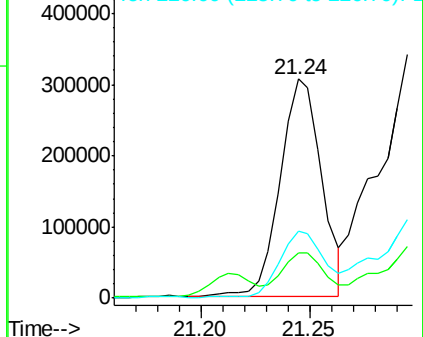
226 30.4 17.0 25.6#

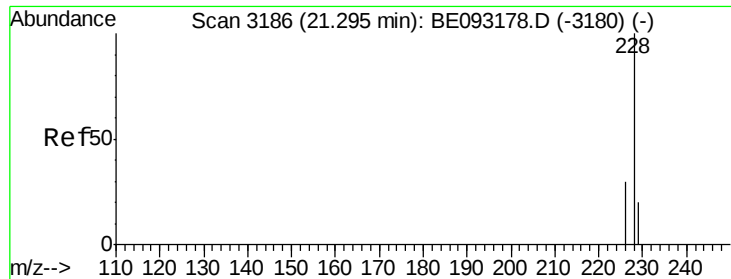


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 8.53 ng/ul

RT: 21.30 min Scan# 3187

Delta R.T. 0.00 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Instrument :

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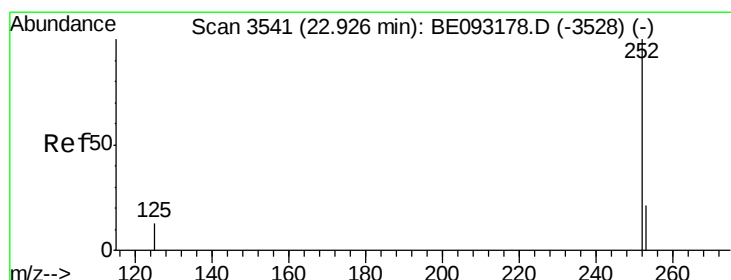
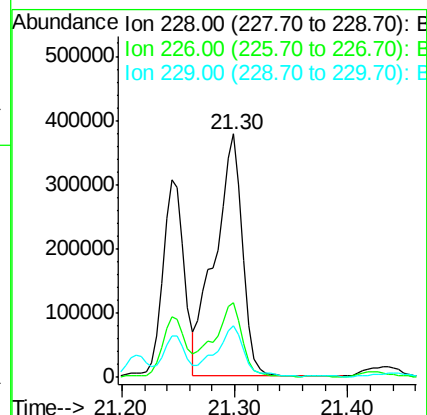
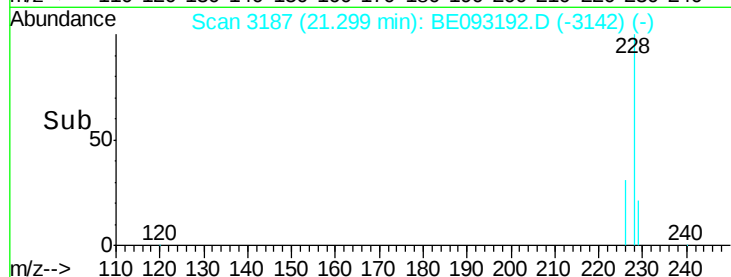
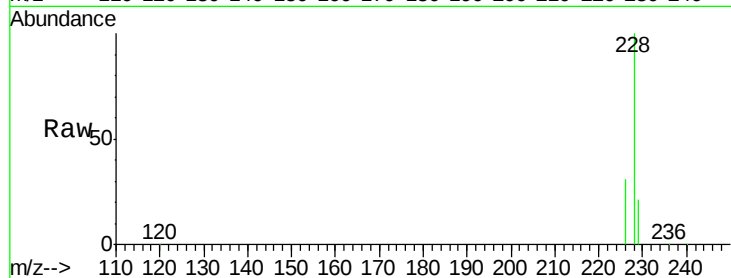
Tgt Ion:228 Resp: 641171

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.0

229 21.4 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 0.28 ng/ul

RT: 22.94 min Scan# 3543

Delta R.T. 0.01 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

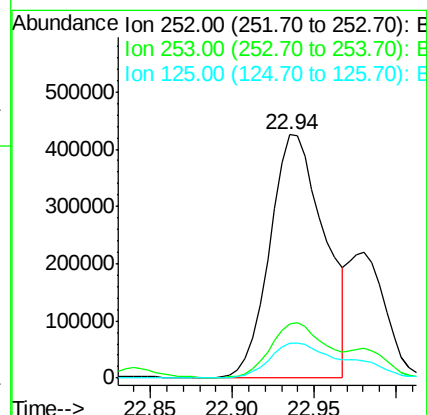
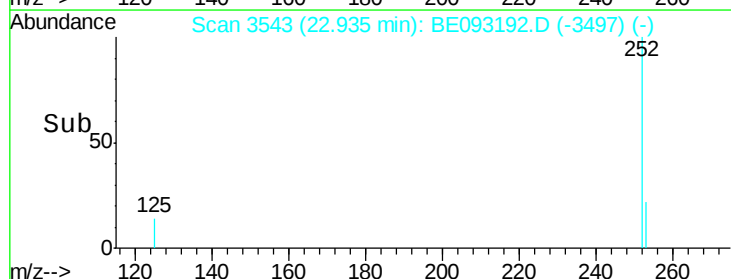
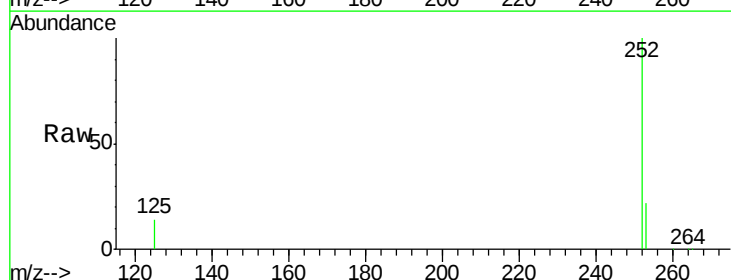
Tgt Ion:252 Resp: 985551

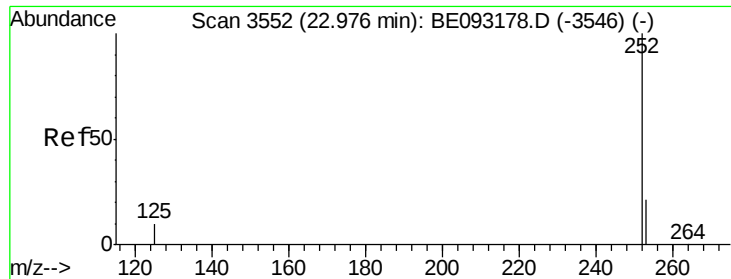
Ion Ratio Lower Upper

252 100

253 22.4 0.0 64.2

125 14.5 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.35 ng/ul

RT: 22.94 min Scan# 3543

Delta R.T. -0.04 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Instrument :

BNA_E

ClientSampleId :

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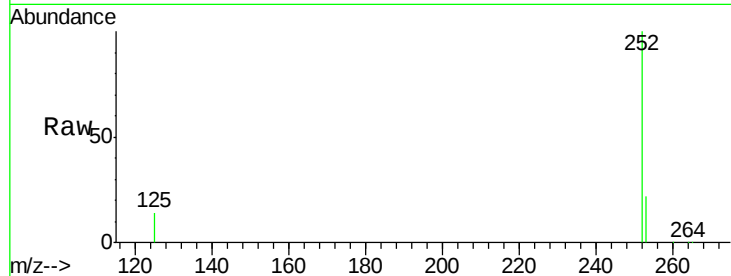
Tgt Ion:252 Resp: 1328937

Ion Ratio Lower Upper

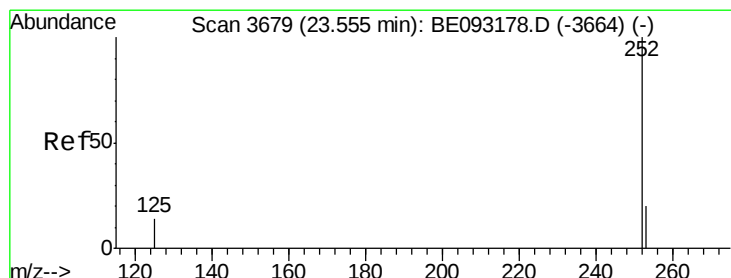
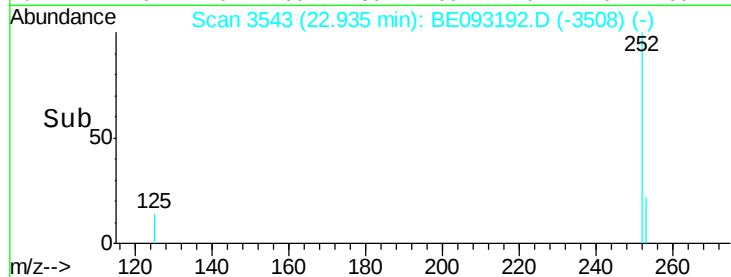
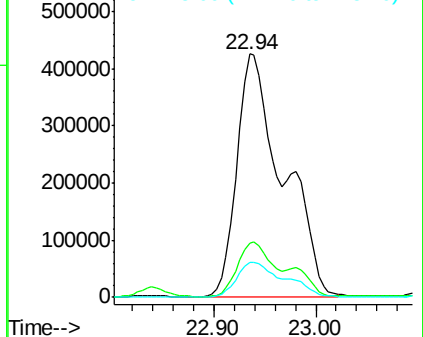
252 100

253 22.4 24.5 36.7#

125 14.5 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: 0.14 ng/ul

RT: 23.46 min Scan# 3658

Delta R.T. -0.10 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

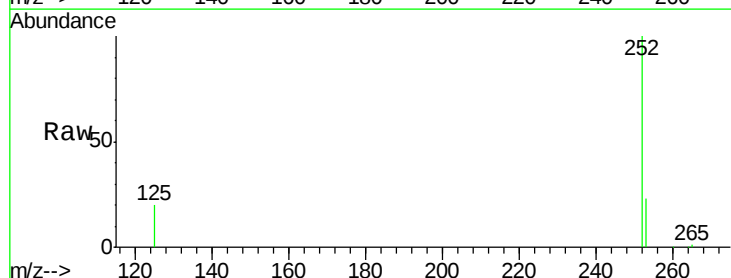
Tgt Ion:252 Resp: 473086

Ion Ratio Lower Upper

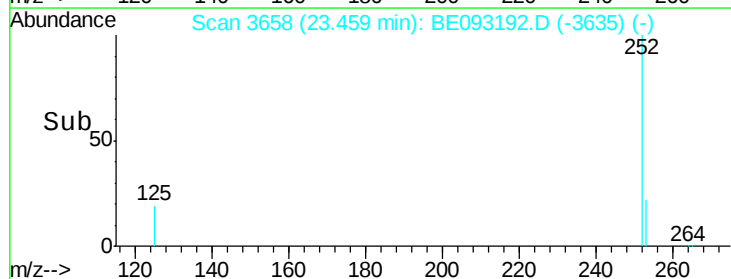
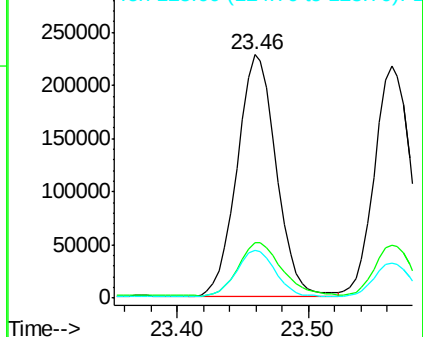
252 100

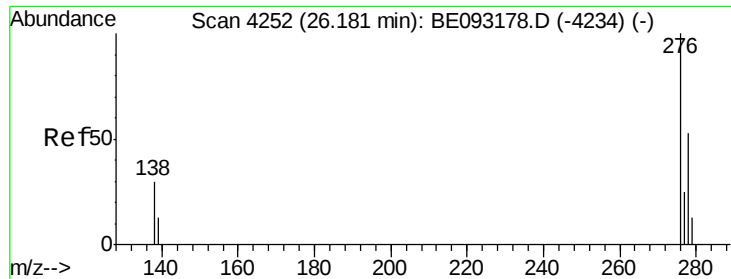
253 22.8 28.5 42.7#

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

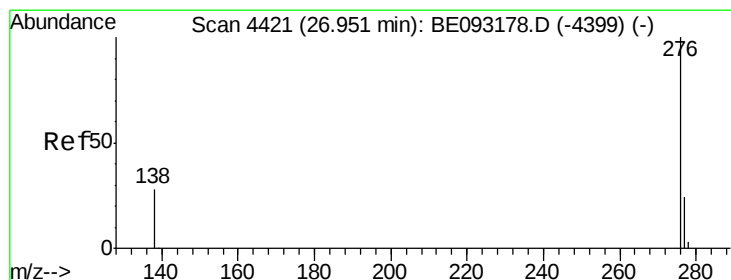
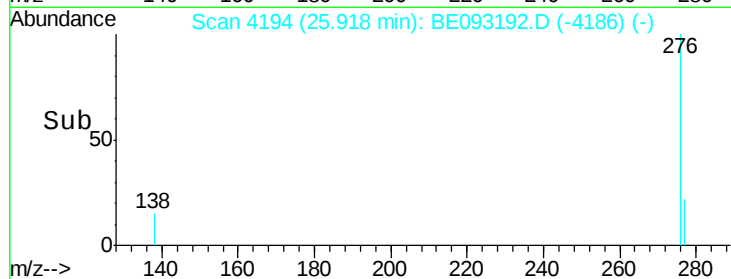
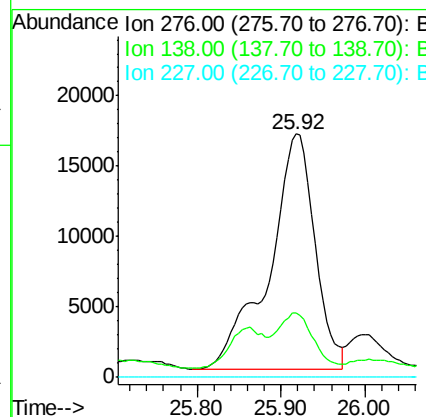
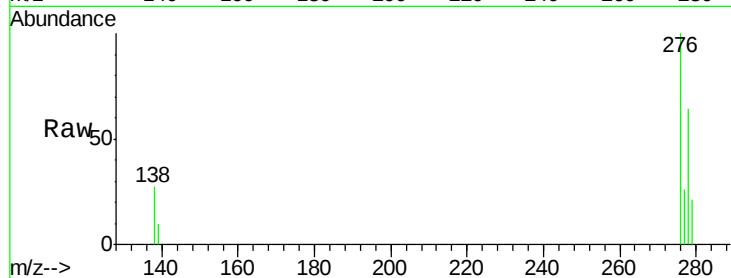




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.02 ng/ul
 RT: 25.92 min Scan# 4194
 Delta R.T. -0.26 min
 Lab File: BE093192.D
 Acq: 15 Jun 2017 4:57

Instrument :
 BNA_E
 ClientSampled :
 F5C48

Tgt Ion: 276 Resp: 63266
 Ion Ratio Lower Upper
 276 100
 138 17.3 28.0 42.0#
 227 0.0 8.0 12.0#



#26
 Benzo(g,h,i)perylene
 Concen: 0.08 ng/ul
 RT: 26.97 min Scan# 4424
 Delta R.T. 0.02 min
 Lab File: BE093192.D
 Acq: 15 Jun 2017 4:57

Tgt Ion: 276 Resp: 254367
 Ion Ratio Lower Upper
 276 100
 138 28.8 21.8 32.8
 277 24.4 20.5 30.7

