

Data File : BE093188.D
Acq On : 15 Jun 2017 2:31
Operator : SJ/MA
Sample : I3522-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C84

Quant Time: Jun 15 04:01:31 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	3878	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	20565	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	12455	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	28845	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	29813	0.40	ng/ul	0.00
20) Perylene-d12	23.52	264	849175	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	4912	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	12150	0.15	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	10273	0.20	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	3057	0.09	ng/ul	99
7) Acenaphthylene	14.08	152	137802	2.58	ng/ul	96
8) Acenaphthene	14.43	153	4986	0.12	ng/ul	97
9) Fluorene	15.42	166	6251	0.12	ng/ul	88
12) Phenanthrene	17.14	178	184048	2.32	ng/ul#	85
13) Anthracene	17.22	178	196987	2.85	ng/ul#	86
15) Fluoranthene	19.16	202	2712996	27.87	ng/ul	83
17) Pyrene	19.52	202	2844212	32.35	ng/ul#	89
18) Benzo(a)anthracene	21.25	228	1406484	17.69	ng/ul#	84
19) Chrysene	21.30	228	1748131	21.19	ng/ul	97
21) Benzo(b)fluoranthene	22.94	252	2135902	0.83	ng/ul	88
22) Benzo(k)fluoranthene	22.94	252	3093223	1.13	ng/ul#	90
23) Benzo(a)pyrene	23.46	252	953147	0.39	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.92	276	76313	0.03	ng/ul#	81
26) Benzo(g,h,i)perylene	26.97	276	392332	0.16	ng/ul	97

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

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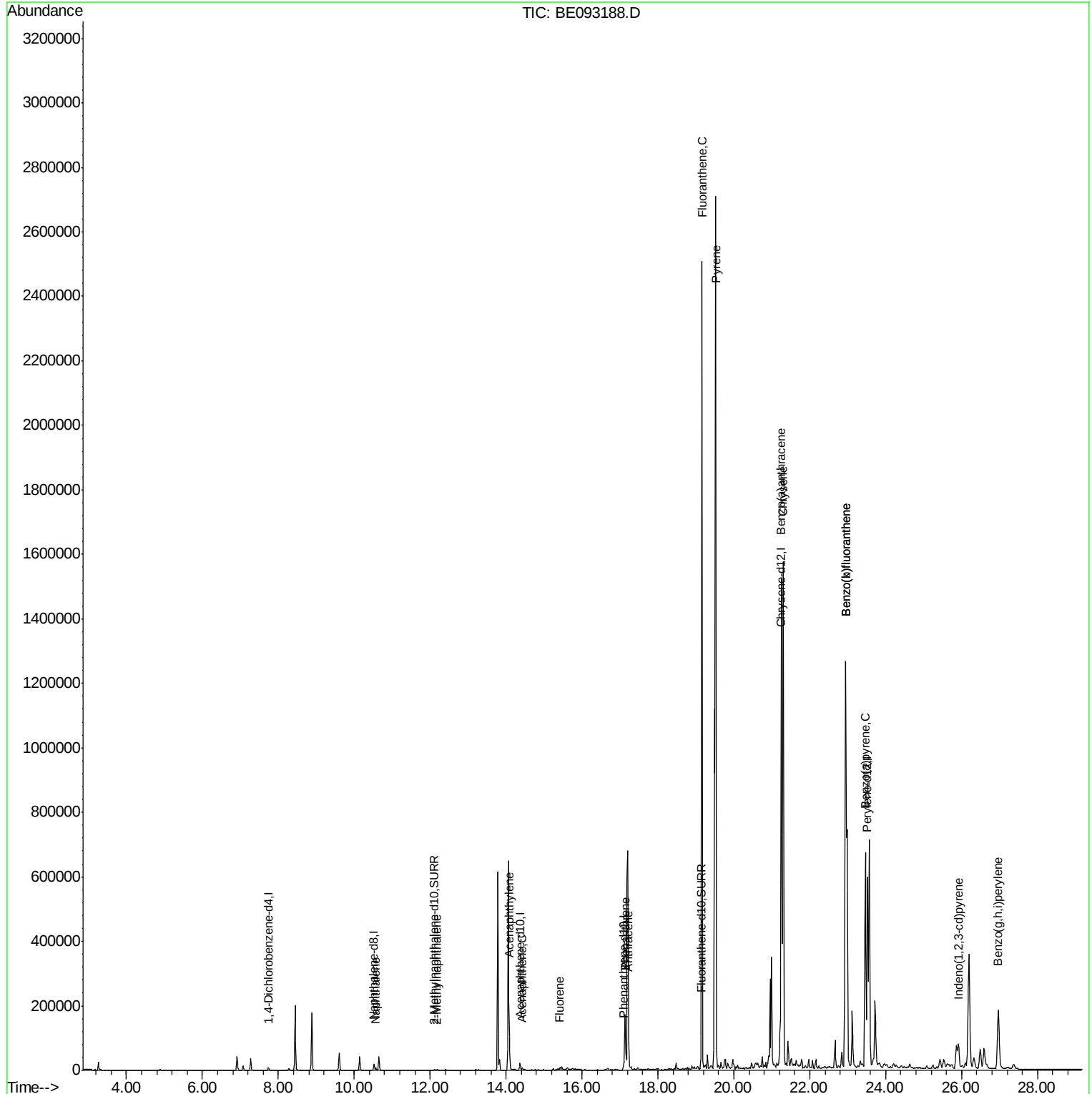
Quant Time: Jun 15 04:01:31 2017

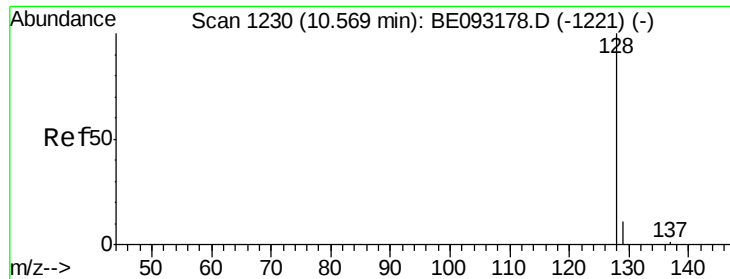
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.20 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

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Acq: 15 Jun 2017 2:31

Instrument :

BNA_E

ClientSampleId :

F5C84

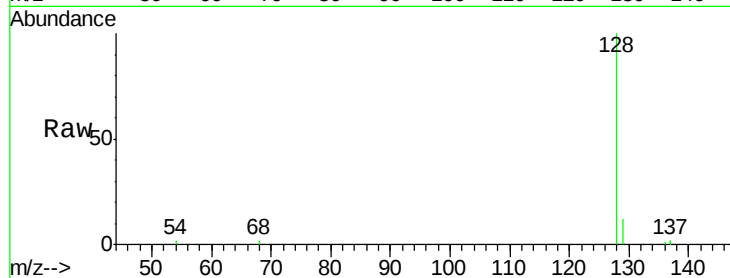
Tgt Ion:128 Resp: 10273

Ion Ratio Lower Upper

128 100

129 12.2 11.3 16.9

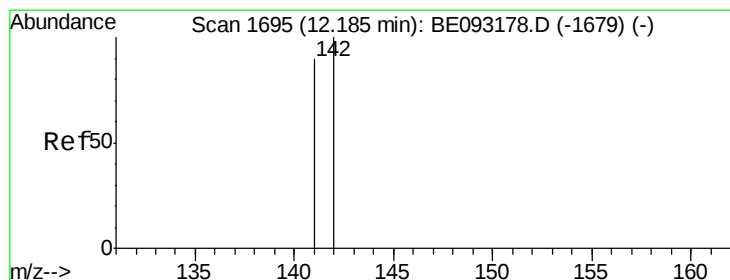
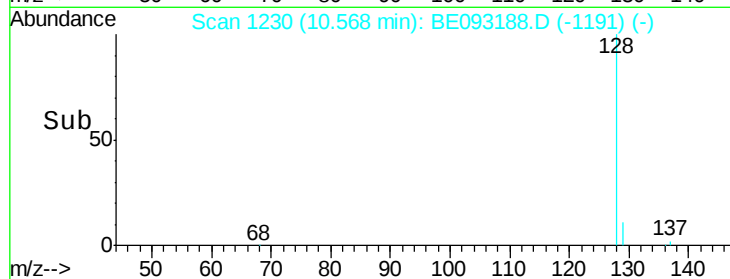
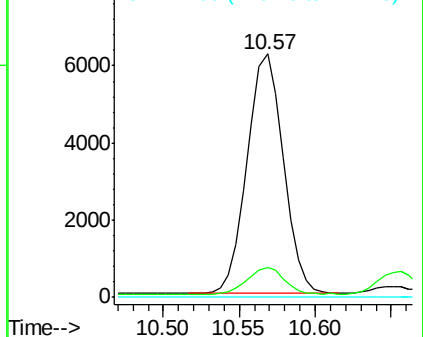
127 0.0 4.0 6.0#



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: 0.09 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093188.D

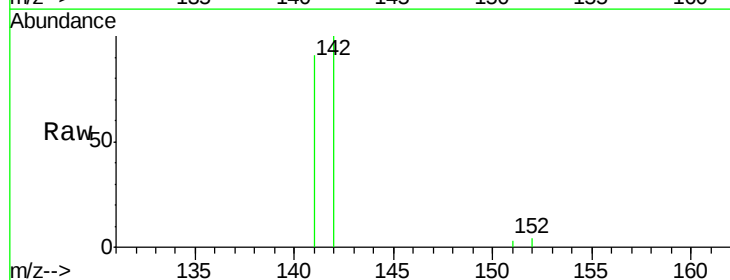
Acq: 15 Jun 2017 2:31

Tgt Ion:142 Resp: 3057

Ion Ratio Lower Upper

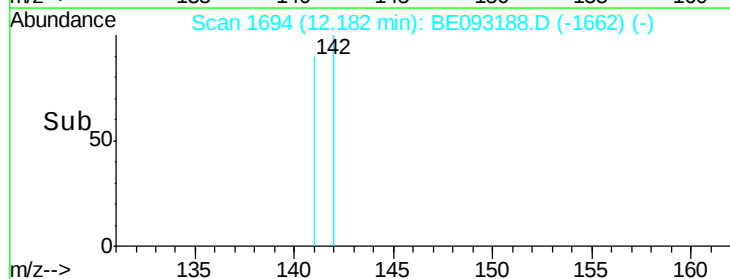
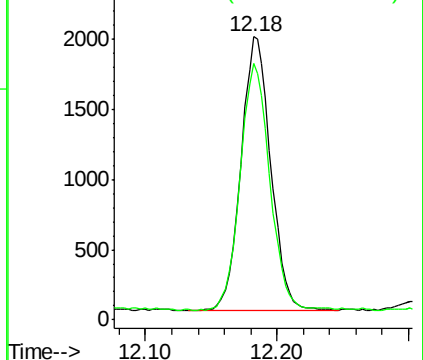
142 100

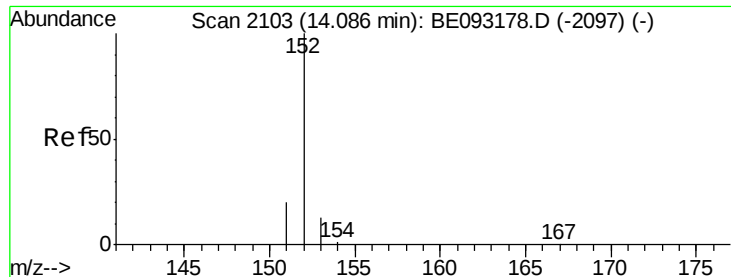
141 89.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.58 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

Instrument :

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ClientSampleId :

F5C84

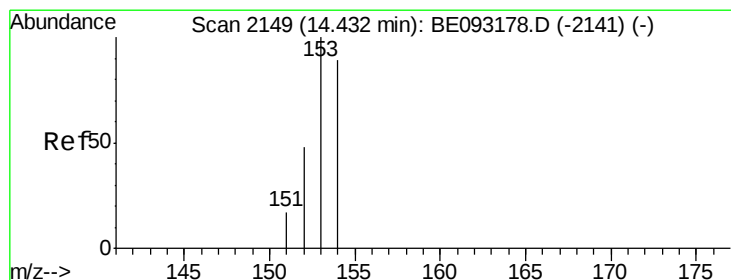
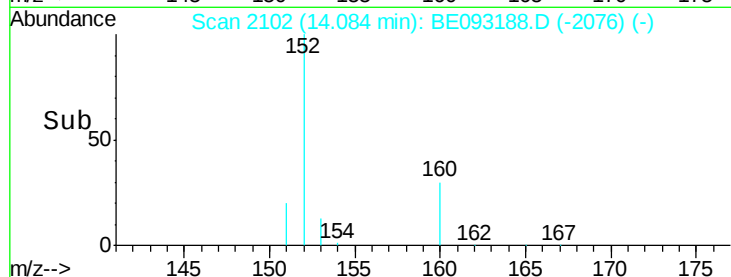
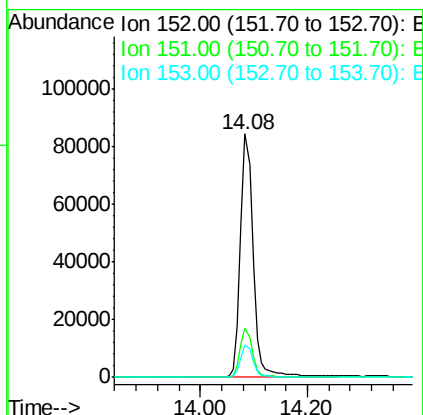
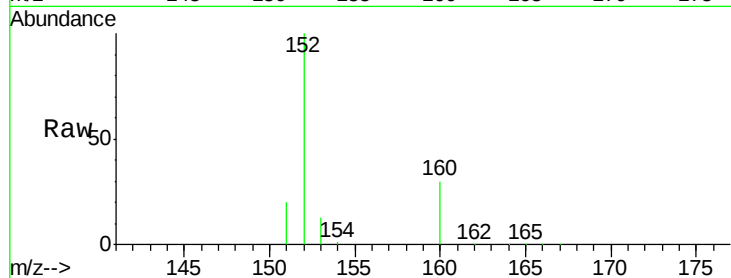
Tgt Ion:152 Resp: 137802

Ion Ratio Lower Upper

152 100

151 20.1 17.1 25.7

153 13.1 12.8 19.2



#8

Acenaphthene

Concen: 0.12 ng/ul

RT: 14.43 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

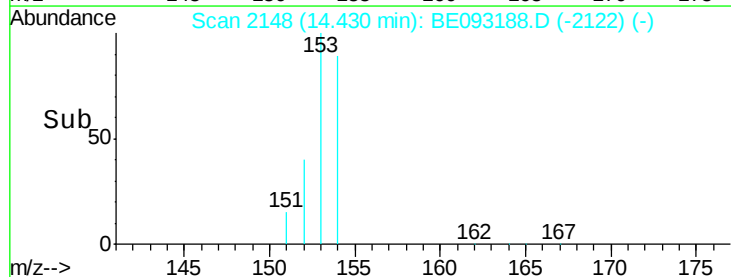
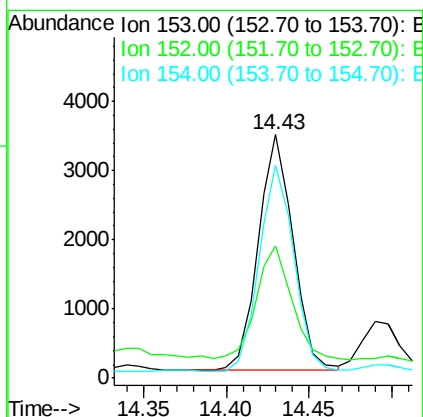
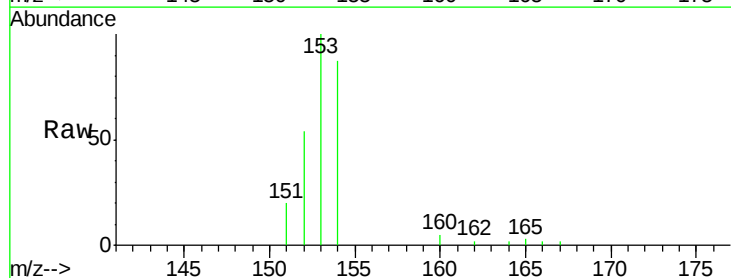
Tgt Ion:153 Resp: 4986

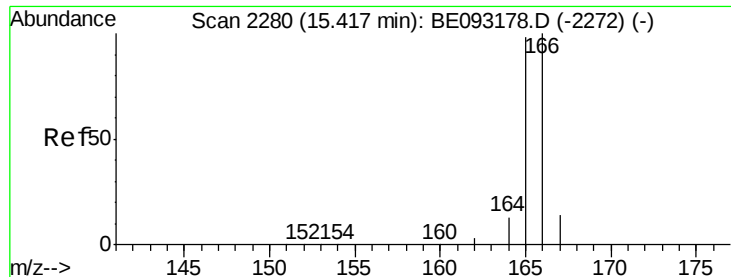
Ion Ratio Lower Upper

153 100

152 54.4 40.3 60.5

154 87.4 71.4 107.2





#9

Fluorene

Concen: 0.12 ng/ul

RT: 15.42 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

Instrument :

BNA_E

ClientSampleId :

F5C84

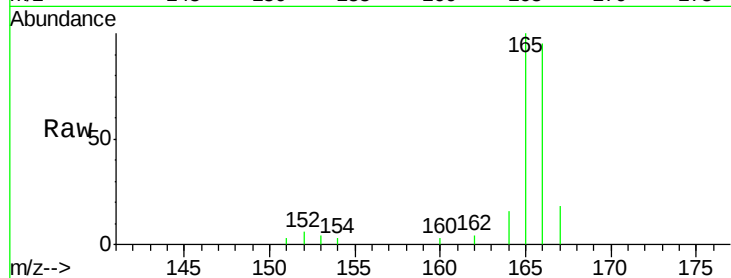
Tgt Ion:166 Resp: 6251

Ion Ratio Lower Upper

166 100

165 104.8 73.4 110.2

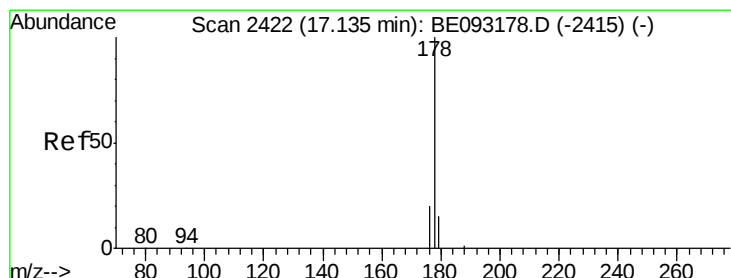
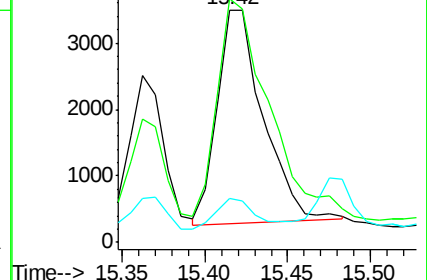
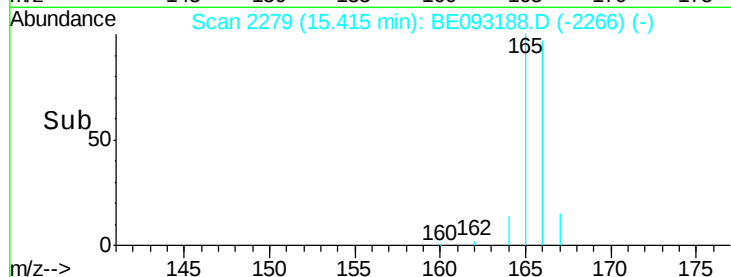
167 18.9 14.6 22.0



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: 2.32 ng/ul

RT: 17.14 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

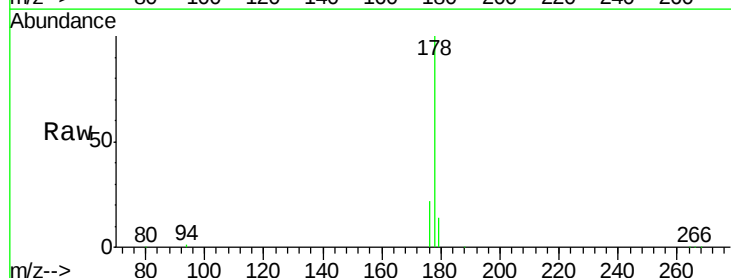
Tgt Ion:178 Resp: 184048

Ion Ratio Lower Upper

178 100

179 14.5 18.4 27.6#

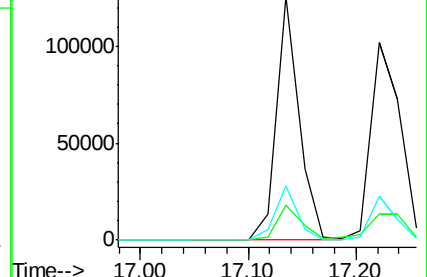
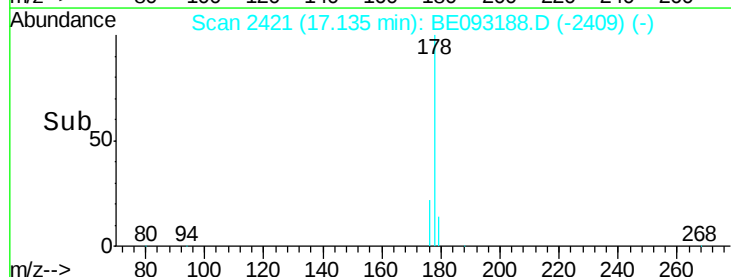
176 22.2 13.6 20.4#

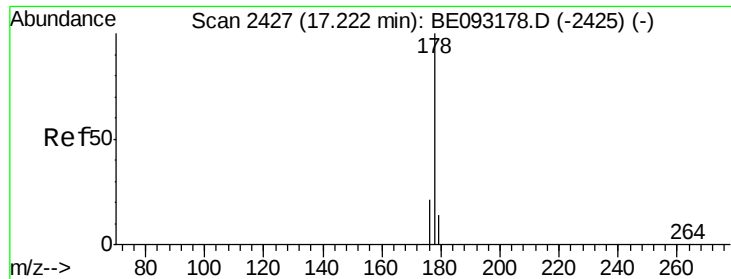


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 2.85 ng/ul

RT: 17.22 min Scan# 2426

Delta R.T. 0.00 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

Instrument :

BNA_E

ClientSampleId :

F5C84

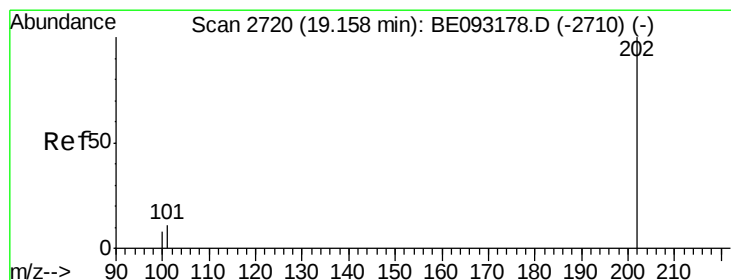
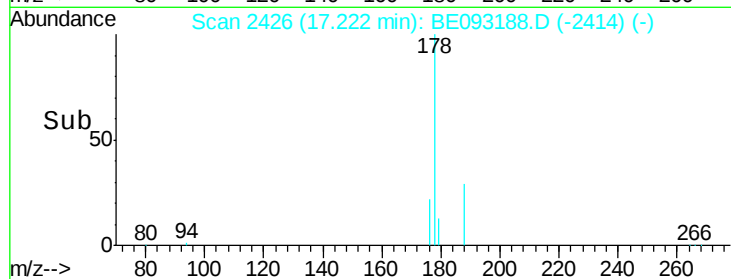
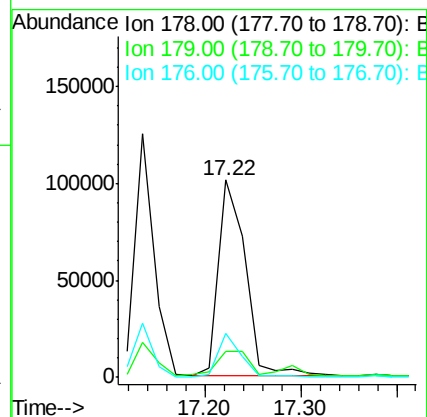
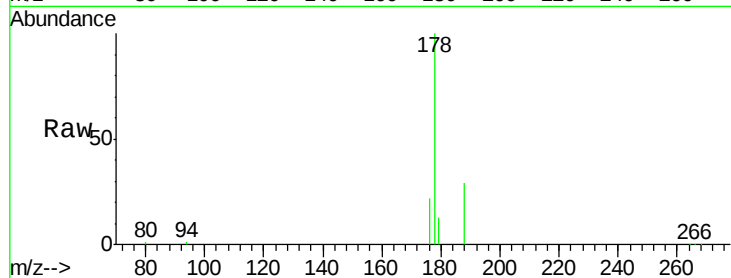
Tgt Ion:178 Resp: 196987

Ion Ratio Lower Upper

178 100

179 13.5 18.1 27.1#

176 22.1 14.7 22.1#



#15

Fluoranthene

Concen: 27.87 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. 0.01 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

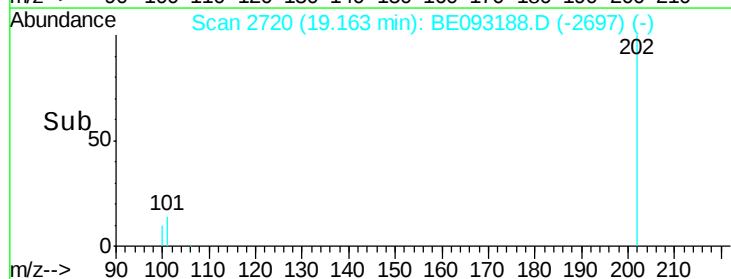
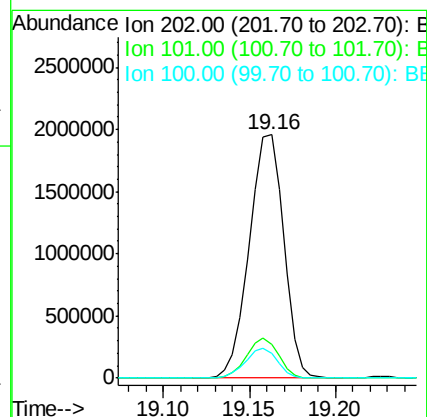
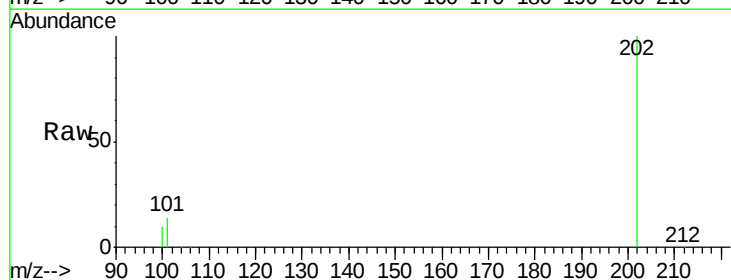
Tgt Ion:202 Resp: 2712996

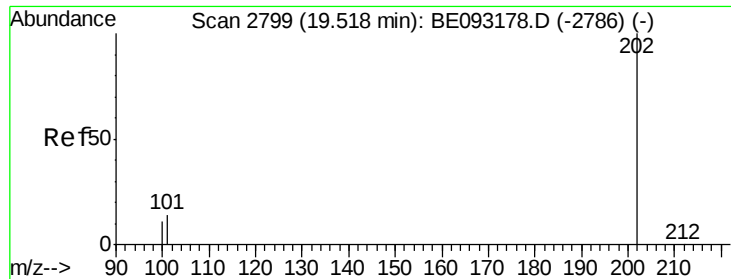
Ion Ratio Lower Upper

202 100

101 14.0 0.0 30.3

100 10.2 0.0 39.5

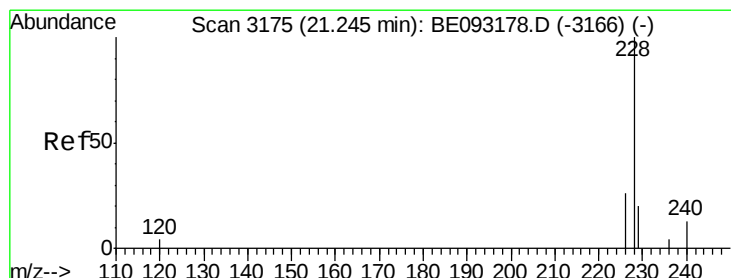
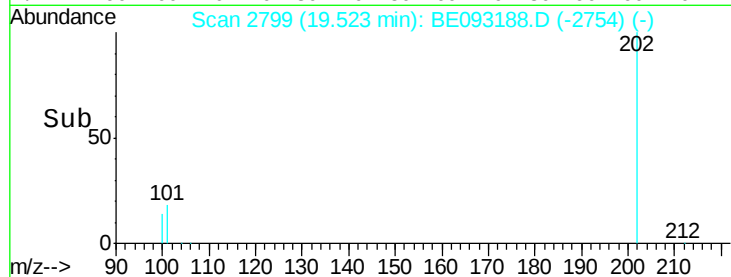
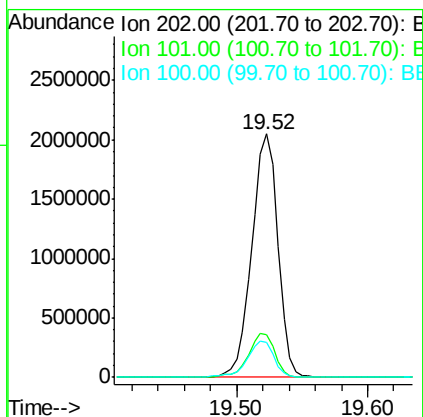
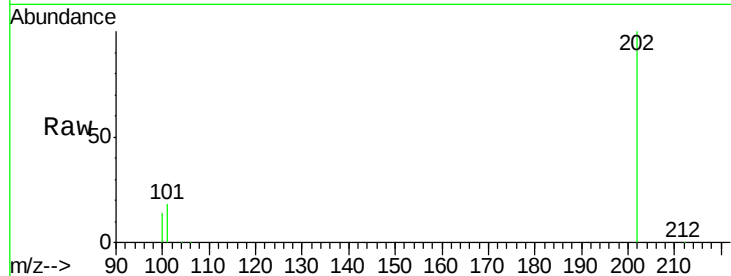




#17
 Pyrene
 Concen: 32.35 ng/ul
 RT: 19.52 min Scan# 2799
 Delta R.T. 0.01 min
 Lab File: BE093188.D
 Acq: 15 Jun 2017 2:31

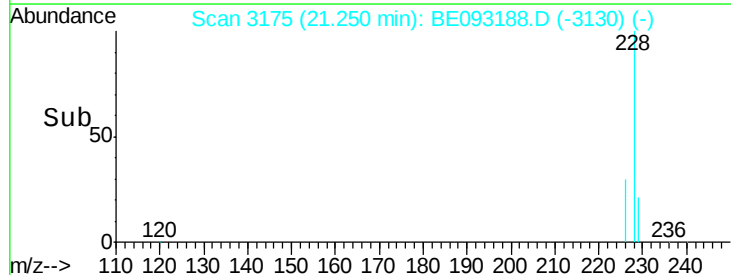
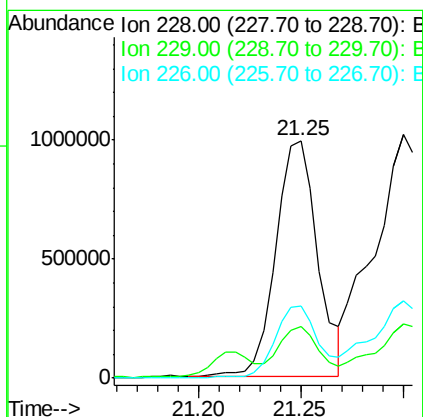
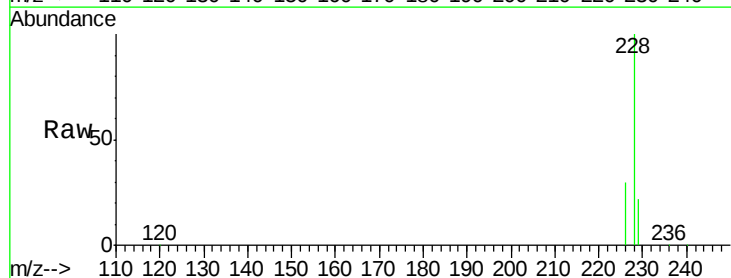
Instrument :
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 ClientSampleId :
 F5C84

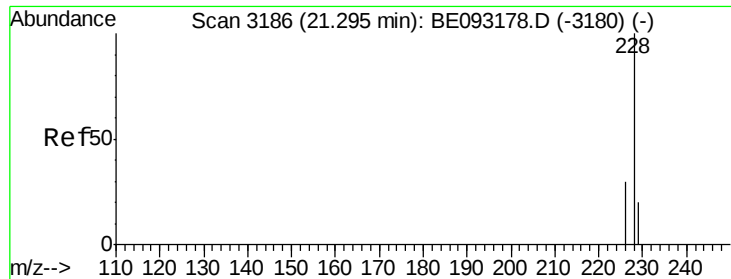
Tgt Ion:202 Resp: 2844212
 Ion Ratio Lower Upper
 202 100
 101 17.7 18.2 27.4#
 100 14.3 15.6 23.4#



#18
 Benzo(a)anthracene
 Concen: 17.69 ng/ul
 RT: 21.25 min Scan# 3175
 Delta R.T. 0.00 min
 Lab File: BE093188.D
 Acq: 15 Jun 2017 2:31

Tgt Ion:228 Resp: 1406484
 Ion Ratio Lower Upper
 228 100
 229 21.6 22.8 34.2#
 226 30.2 17.0 25.6#





#19

Chrysene

Concen: 21.19 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

Instrument :

BNA_E

ClientSampleId :

F5C84

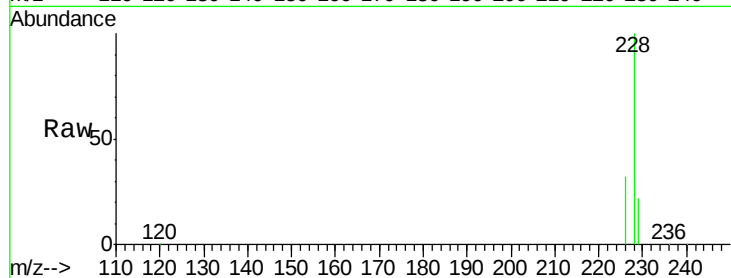
Tgt Ion:228 Resp: 1748131

Ion Ratio Lower Upper

228 100

226 31.9 23.4 35.0

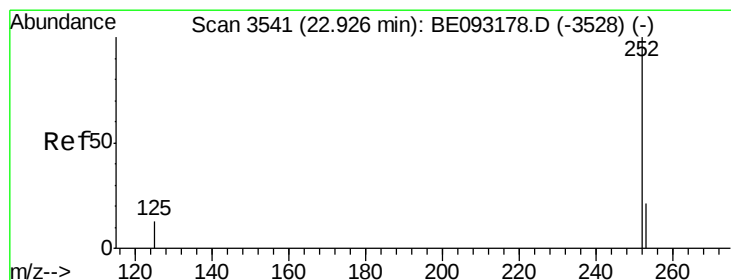
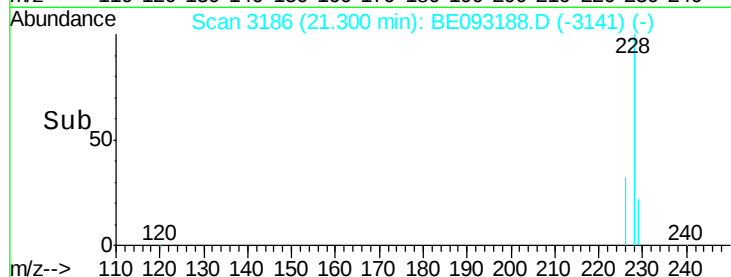
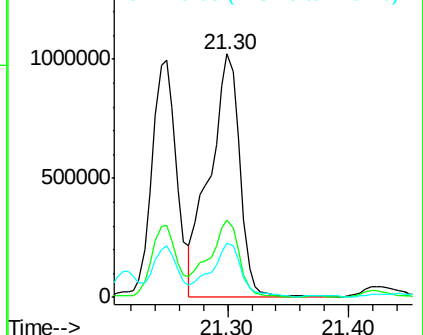
229 22.0 17.7 26.5



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: 0.83 ng/ul

RT: 22.94 min Scan# 3544

Delta R.T. 0.02 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

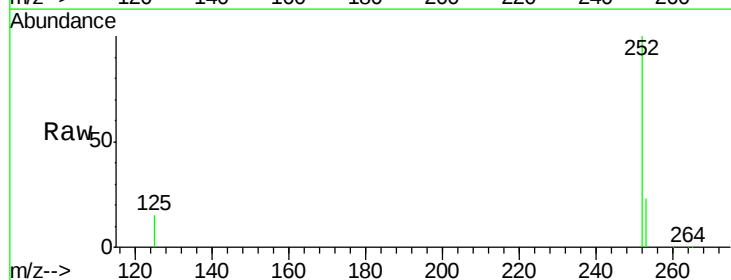
Tgt Ion:252 Resp: 2135902

Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

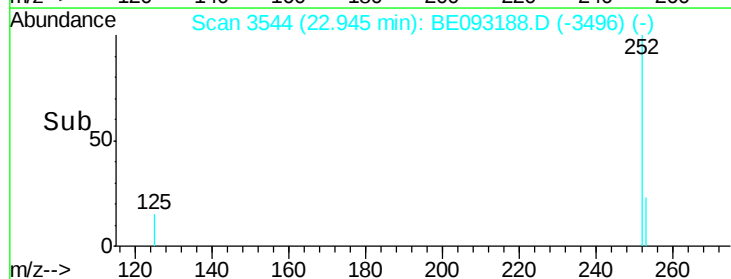
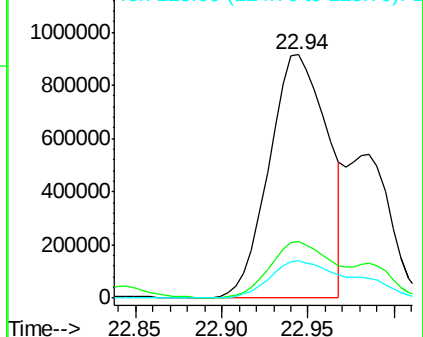
125 15.3 0.0 35.0

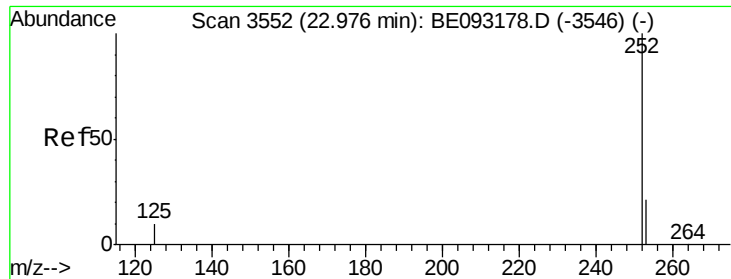


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.13 ng/u1

RT: 22.94 min Scan# 3544

Delta R.T. -0.03 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

Instrument :

BNA_E

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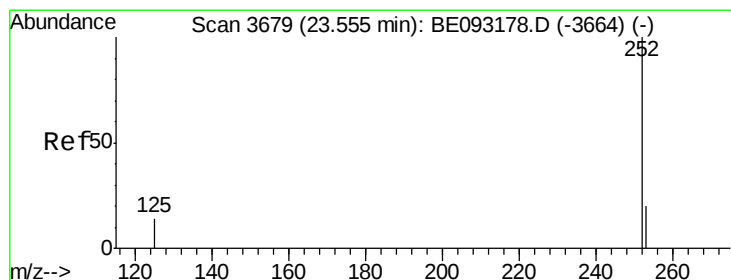
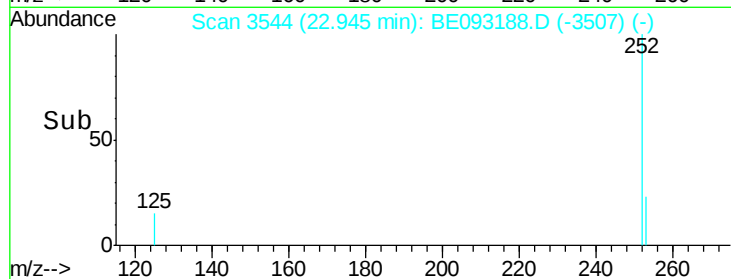
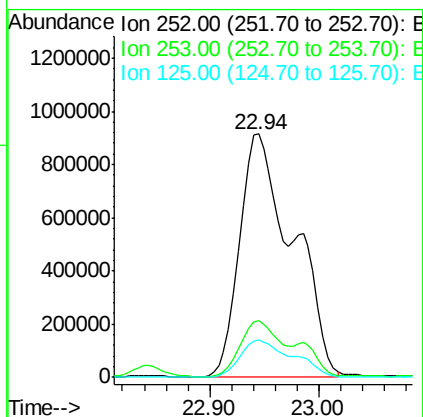
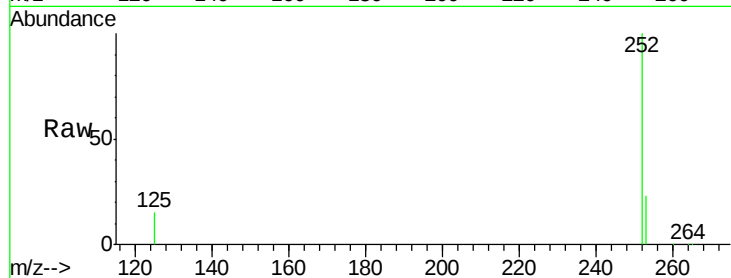
Tgt Ion:252 Resp: 3093223

Ion Ratio Lower Upper

252 100

253 23.2 24.5 36.7#

125 15.3 13.7 20.5



#23

Benzo(a)pyrene

Concen: 0.39 ng/u1

RT: 23.46 min Scan# 3658

Delta R.T. -0.09 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

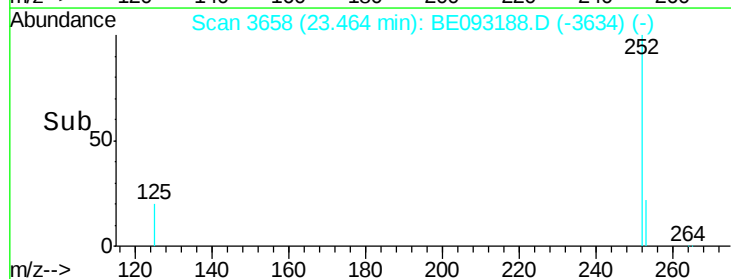
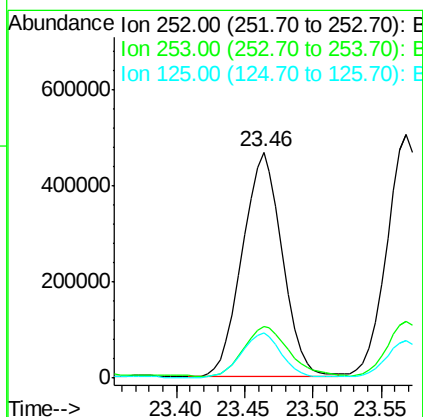
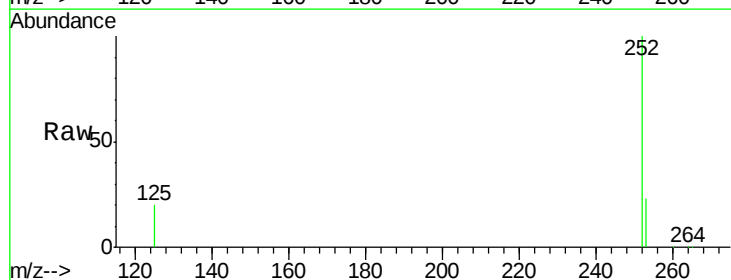
Tgt Ion:252 Resp: 953147

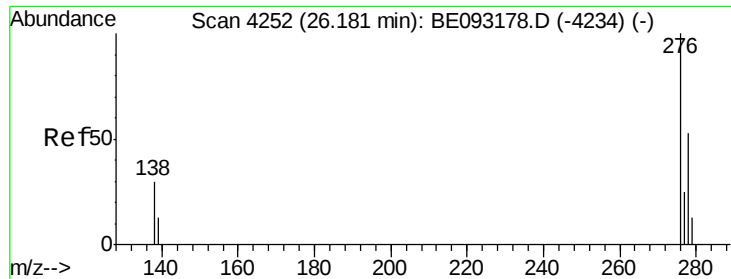
Ion Ratio Lower Upper

252 100

253 23.0 28.5 42.7#

125 19.9 18.1 27.1

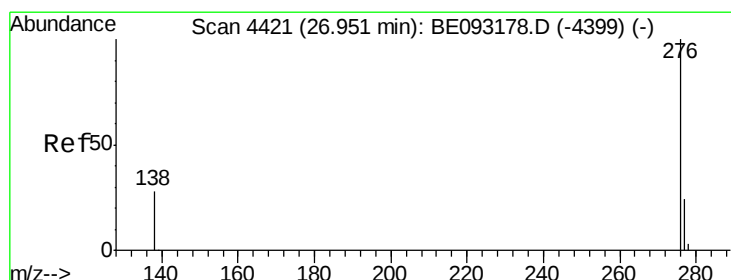
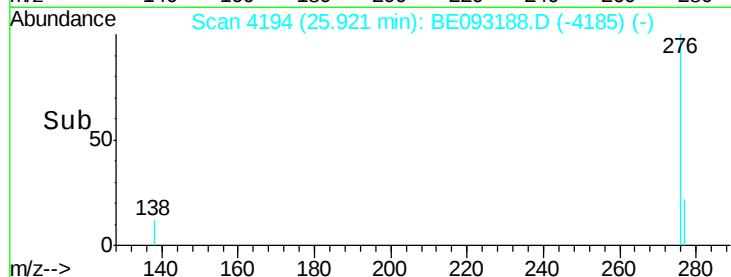
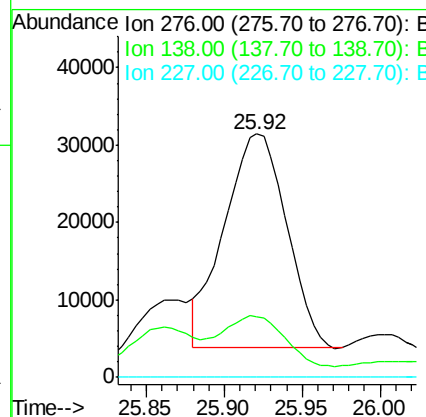
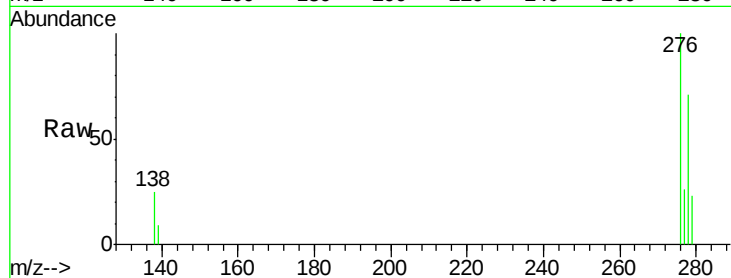




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.03 ng/ul
 RT: 25.92 min Scan# 4194
 Delta R.T. -0.26 min
 Lab File: BE093188.D
 Acq: 15 Jun 2017 2:31

Instrument :
 BNA_E
 ClientSampleId :
 F5C84

Tgt Ion: 276 Resp: 76313
 Ion Ratio Lower Upper
 276 100
 138 25.5 28.0 42.0#
 227 0.0 8.0 12.0#



#26
 Benzo(g,h,i)perylene
 Concen: 0.16 ng/ul
 RT: 26.97 min Scan# 4424
 Delta R.T. 0.02 min
 Lab File: BE093188.D
 Acq: 15 Jun 2017 2:31

Tgt Ion: 276 Resp: 392332
 Ion Ratio Lower Upper
 276 100
 138 29.2 21.8 32.8
 277 24.3 20.5 30.7

