

Data File : BE093350.D
Acq On : 23 Jun 2017 23:15
Operator : SJ/JU
Sample : I3627-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A93

Quant Time: Jun 24 04:30:23 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 24 04:29:07 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1614	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	8644	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5619	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	12901	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13029	0.40	ng/ul	0.00
20) Perylene-d12	23.52	264	587597	0.40	ng/ul	-0.14

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	3236	0.26	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	8488	0.24	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	22494	1.05	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	8645	0.59	ng/ul	99
7) Acenaphthylene	14.09	152	72347	3.00	ng/ul	94
8) Acenaphthene	14.42	153	4122	0.21	ng/ul	98
9) Fluorene	15.41	166	44140	1.94	ng/ul#	90
12) Phenanthrene	17.14	178	492916	13.89	ng/ul#	89
13) Anthracene	17.22	178	2268404	73.40	ng/ul#	85
15) Fluoranthene	19.16	202	3301424	75.84	ng/ul	84
17) Pyrene	19.52	202	2896799	75.39	ng/ul#	89
18) Benzo(a)anthracene	21.25	228	1082236	31.14	ng/ul#	85
19) Chrysene	21.30	228	1546405	42.89	ng/ul	98
21) Benzo(b)fluoranthene	22.94	252	1391558	0.78	ng/ul	87
22) Benzo(k)fluoranthene	22.94	252	1889354	1.00	ng/ul#	89
23) Benzo(a)pyrene	23.46	252	637759	0.38	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.92	276	64306	0.03	ng/ul#	75
26) Benzo(g,h,i)perylene	26.97	276	303778	0.18	ng/ul	96

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

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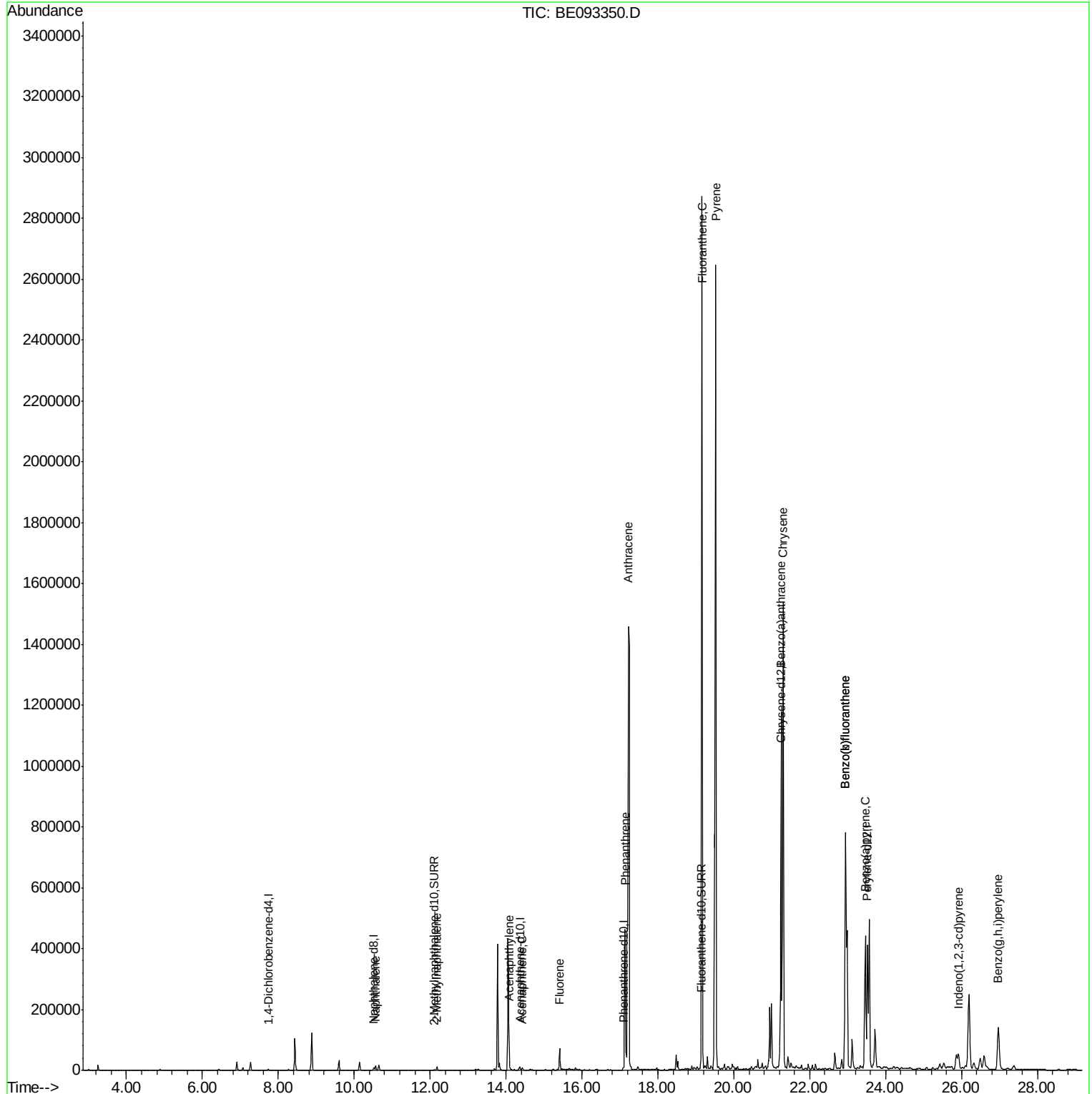
Quant Time: Jun 24 04:30:23 2017

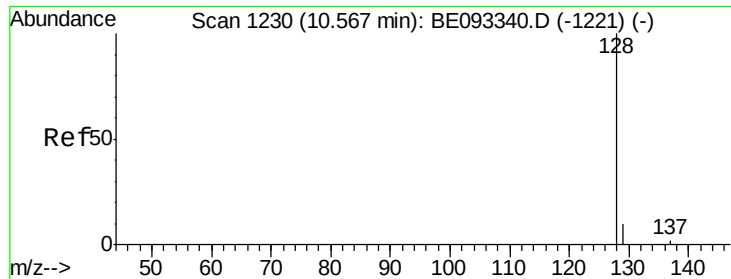
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 1.05 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

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Acq: 23 Jun 2017 23:15

Instrument :

BNA_E

ClientSampleId :

F5A93

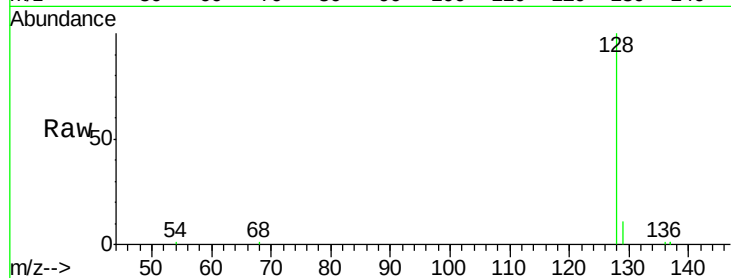
Tgt Ion:128 Resp: 22494

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9

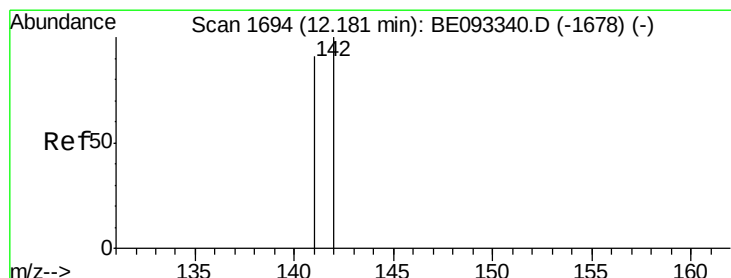
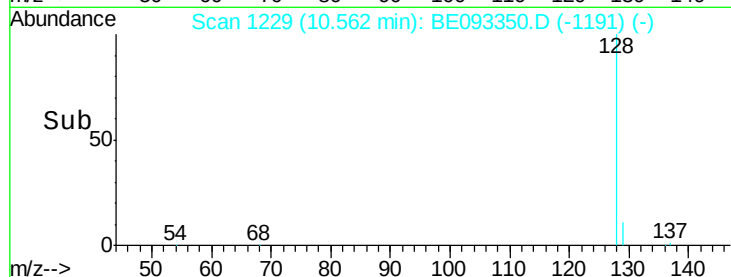
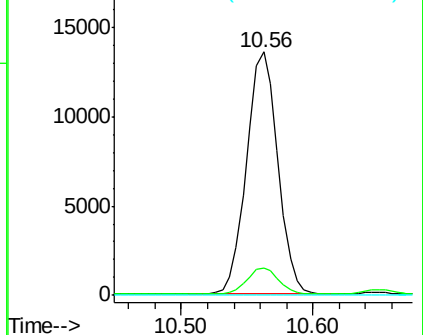
127 0.0 4.0 6.0#



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: 0.59 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BE093350.D

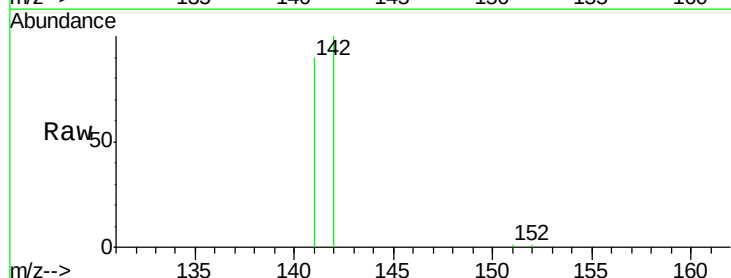
Acq: 23 Jun 2017 23:15

Tgt Ion:142 Resp: 8645

Ion Ratio Lower Upper

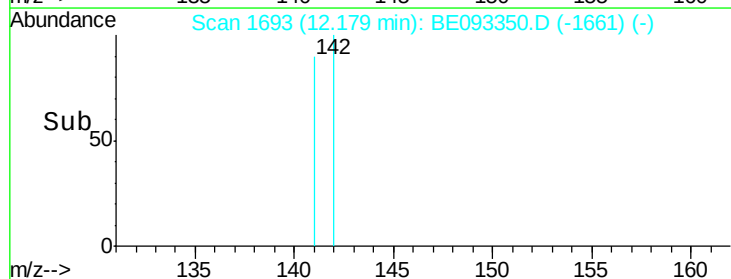
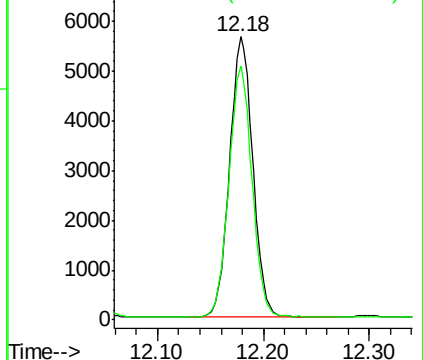
142 100

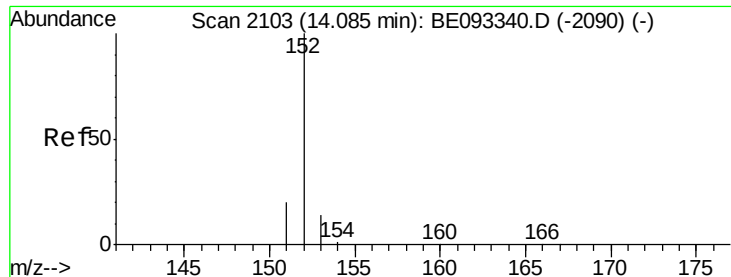
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.00 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093350.D

Acq: 23 Jun 2017 23:15

Instrument :

BNA_E

ClientSampleId :

F5A93

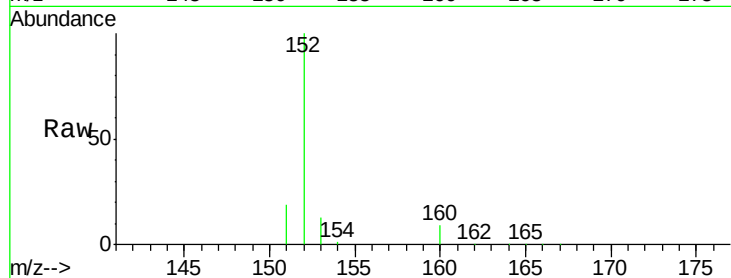
Tgt Ion:152 Resp: 72347

Ion Ratio Lower Upper

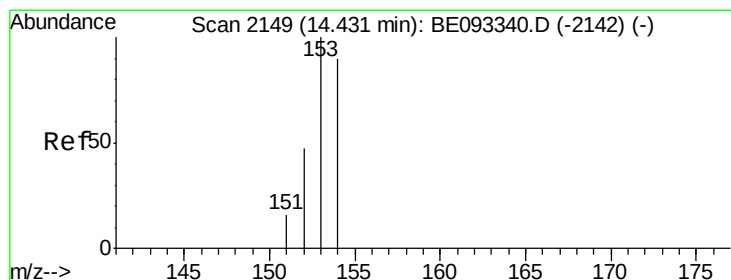
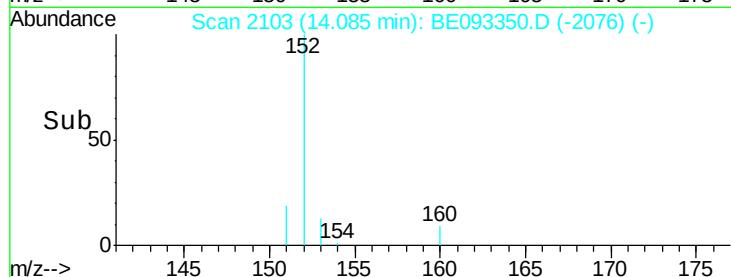
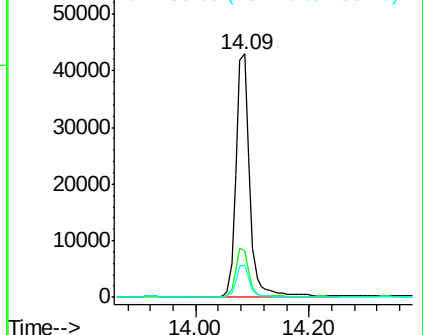
152 100

151 19.3 17.1 25.7

153 13.1 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: 0.21 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BE093350.D

Acq: 23 Jun 2017 23:15

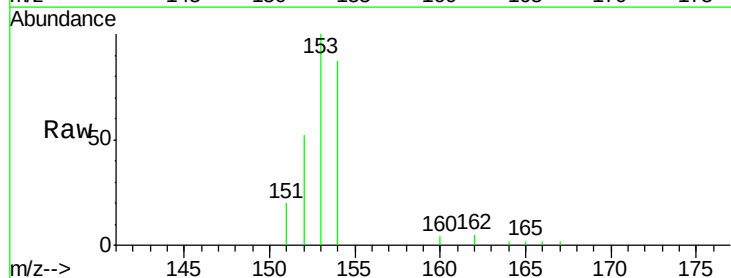
Tgt Ion:153 Resp: 4122

Ion Ratio Lower Upper

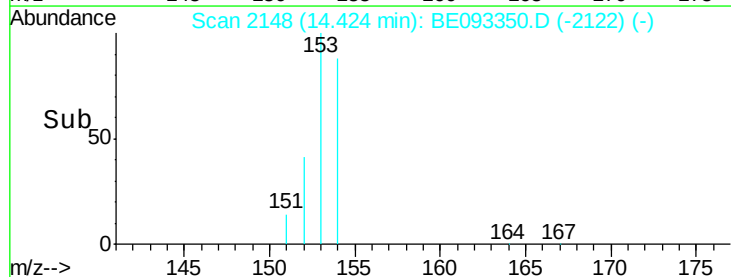
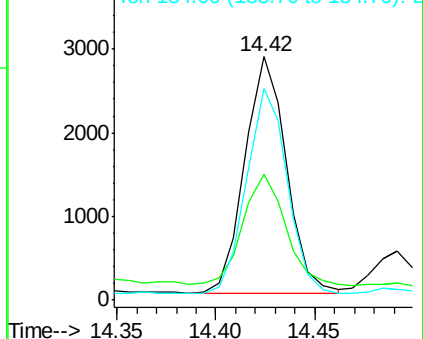
153 100

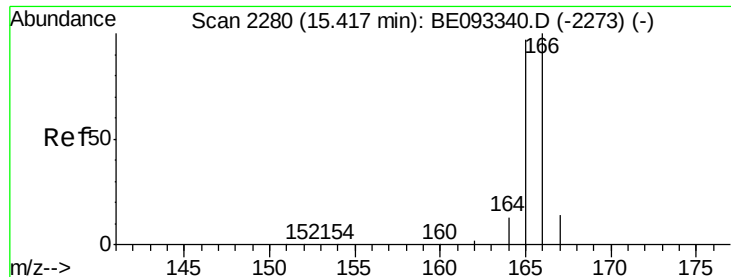
152 52.0 40.3 60.5

154 86.9 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

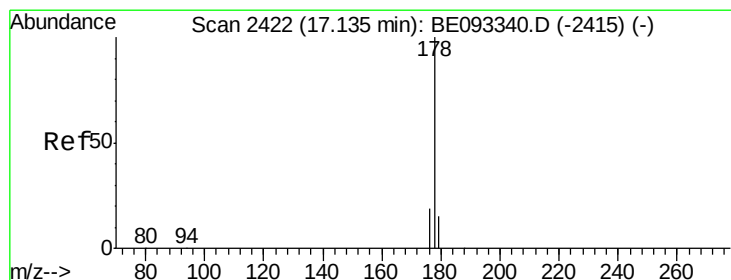
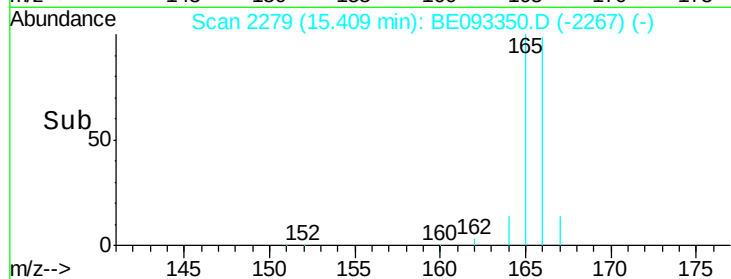
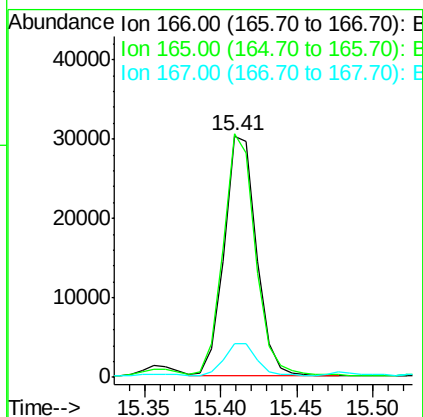
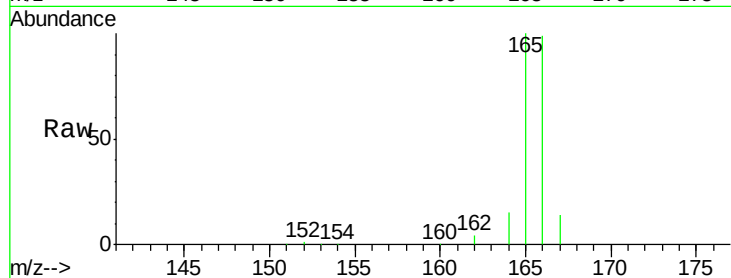




#9
Fluorene
 Concen: 1.94 ng/ul
 RT: 15.41 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: BE093350.D
 Acq: 23 Jun 2017 23:15

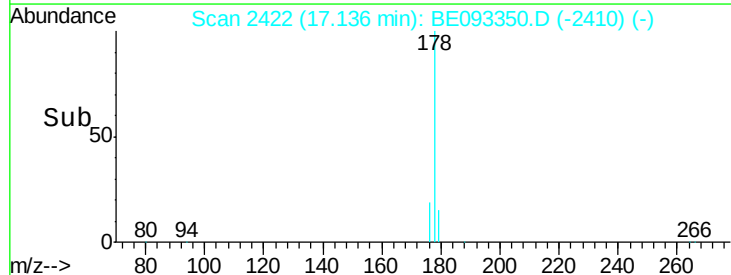
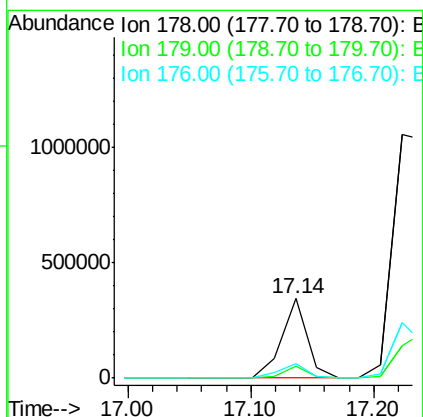
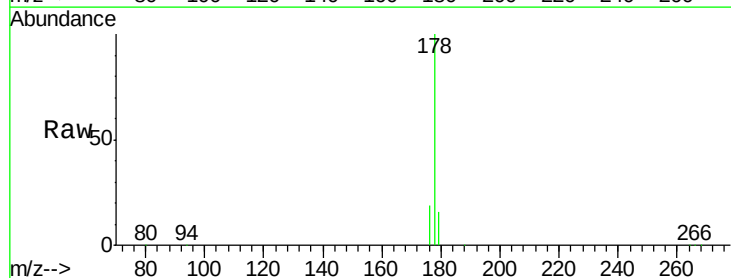
Instrument :
 BNA_E
 ClientSampleId :
 F5A93

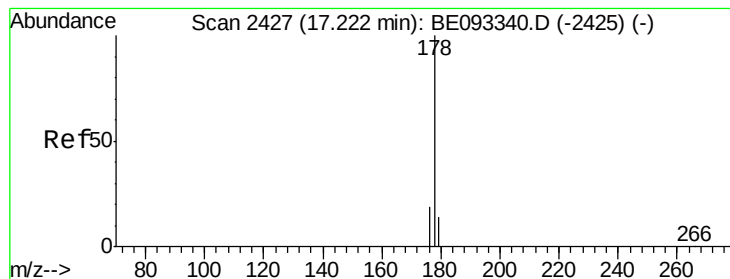
Tgt Ion:166 Resp: 44140
 Ion Ratio Lower Upper
 166 100
 165 100.9 73.4 110.2
 167 14.2 14.6 22.0#



#12
Phenanthrene
 Concen: 13.89 ng/ul
 RT: 17.14 min Scan# 2422
 Delta R.T. 0.00 min
 Lab File: BE093350.D
 Acq: 23 Jun 2017 23:15

Tgt Ion:178 Resp: 492916
 Ion Ratio Lower Upper
 178 100
 179 15.5 18.4 27.6#
 176 18.7 13.6 20.4





#13

Anthracene

Concen: 73.40 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093350.D

Acq: 23 Jun 2017 23:15

Instrument :

BNA_E

ClientSampleId :

F5A93

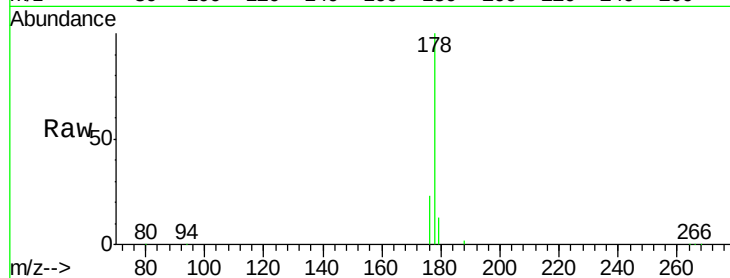
Tgt Ion:178 Resp: 2268404

Ion Ratio Lower Upper

178 100

179 13.5 18.1 27.1#

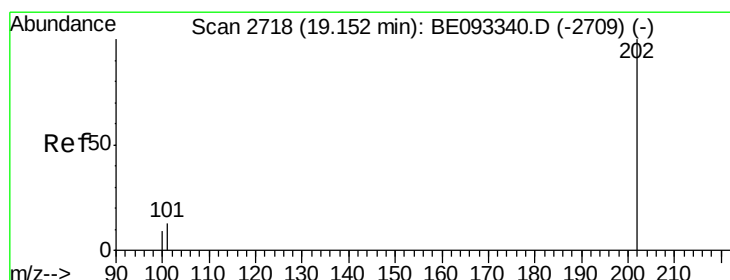
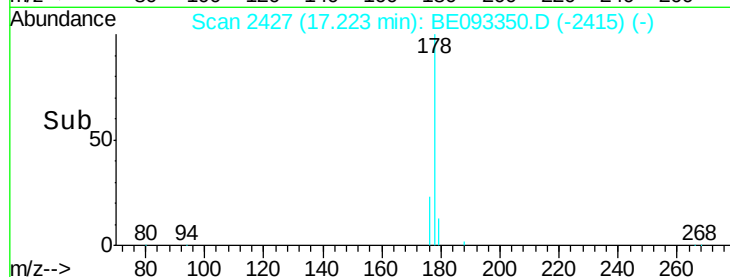
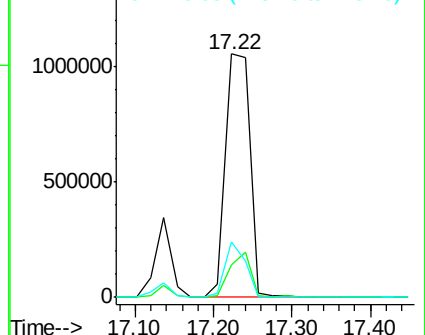
176 22.7 14.7 22.1#



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: 75.84 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. 0.01 min

Lab File: BE093350.D

Acq: 23 Jun 2017 23:15

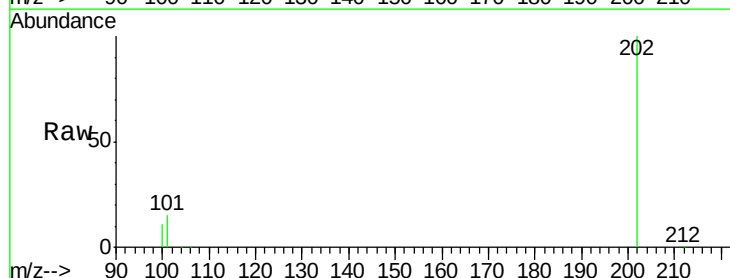
Tgt Ion:202 Resp: 3301424

Ion Ratio Lower Upper

202 100

101 15.0 0.0 30.3

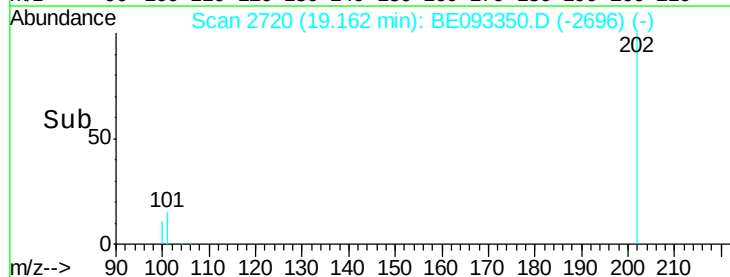
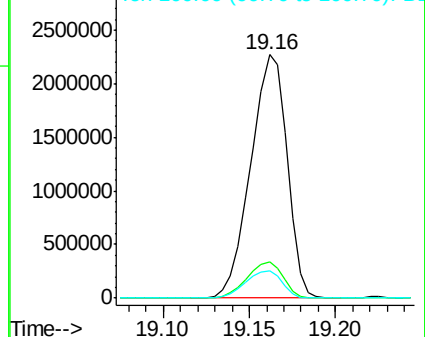
100 11.5 0.0 39.5

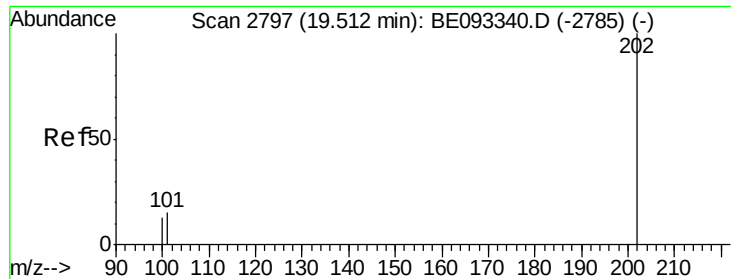


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

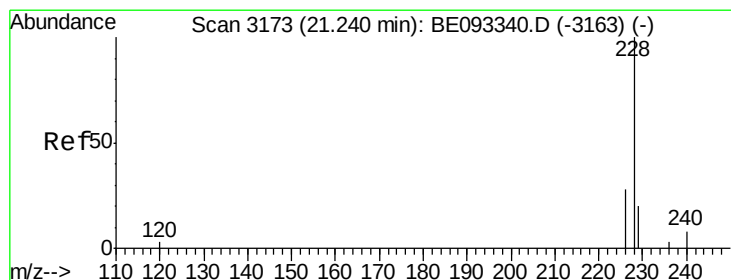
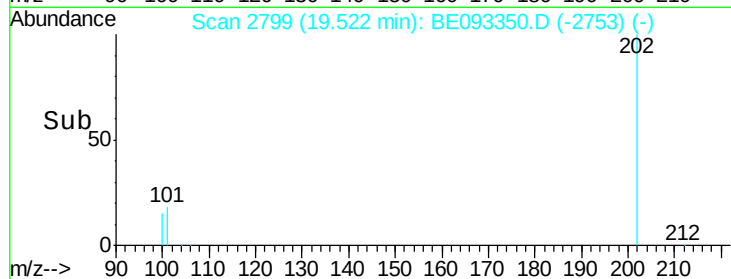
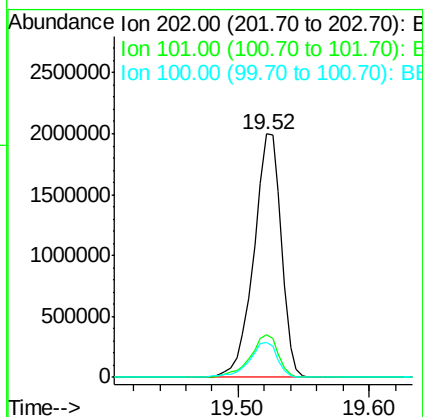
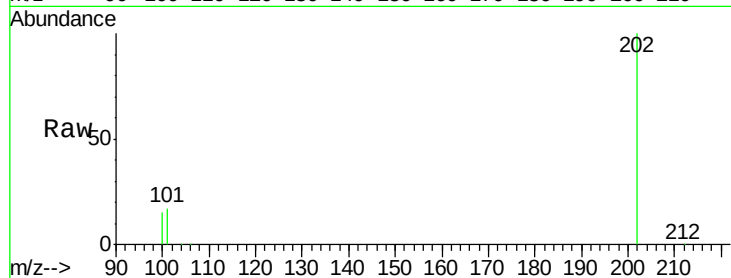




#17
Pyrene
 Concen: 75.39 ng/ul
 RT: 19.52 min Scan# 2799
 Delta R.T. 0.01 min
 Lab File: BE093350.D
 Acq: 23 Jun 2017 23:15

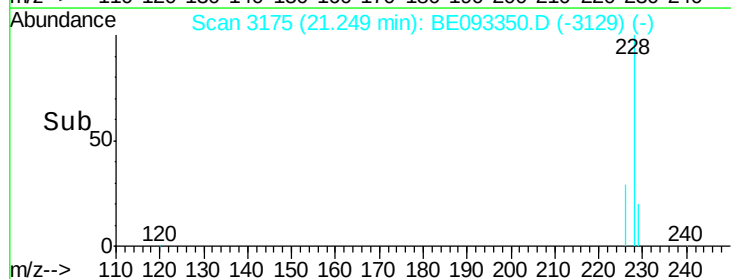
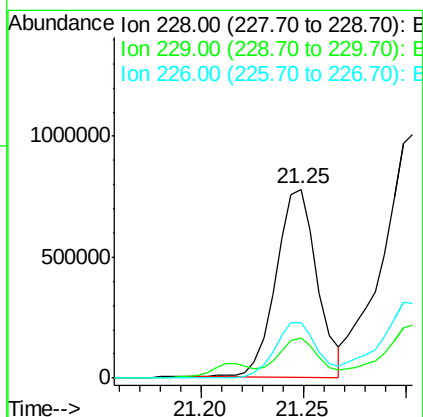
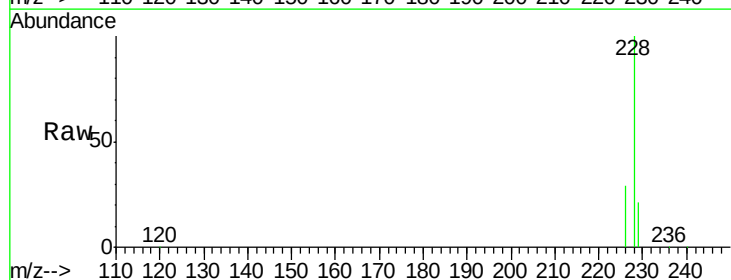
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 BNA_E
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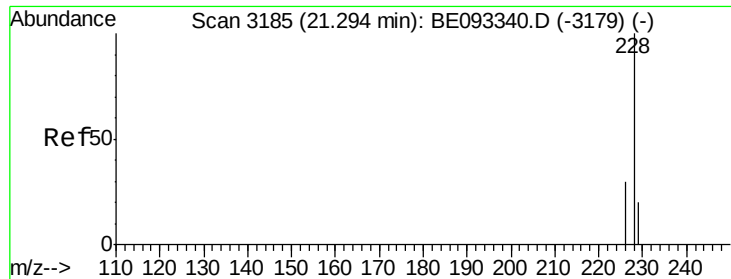
Tgt Ion:202 Resp: 2896799
 Ion Ratio Lower Upper
 202 100
 101 17.5 18.2 27.4#
 100 14.6 15.6 23.4#



#18
Benzo(a)anthracene
 Concen: 31.14 ng/ul
 RT: 21.25 min Scan# 3175
 Delta R.T. 0.01 min
 Lab File: BE093350.D
 Acq: 23 Jun 2017 23:15

Tgt Ion:228 Resp: 1082236
 Ion Ratio Lower Upper
 228 100
 229 21.0 22.8 34.2#
 226 29.4 17.0 25.6#





#19

Chrysene

Concen: 42.89 ng/ul

RT: 21.30 min Scan# 3187

Delta R.T. 0.01 min

Lab File: BE093350.D

Acq: 23 Jun 2017 23:15

Instrument :

BNA_E

ClientSampleId :

F5A93

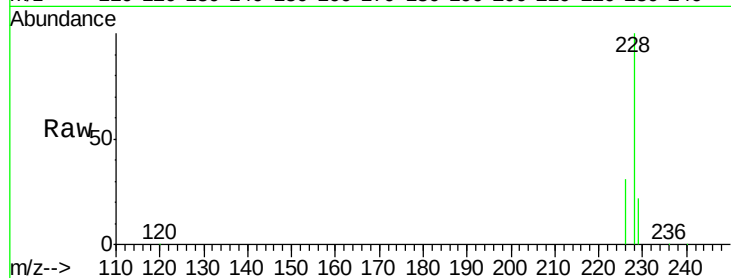
Tgt Ion:228 Resp: 1546405

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

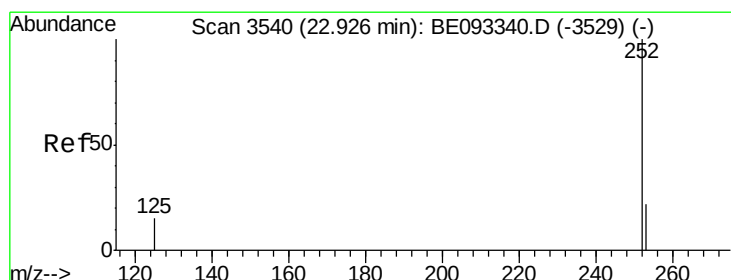
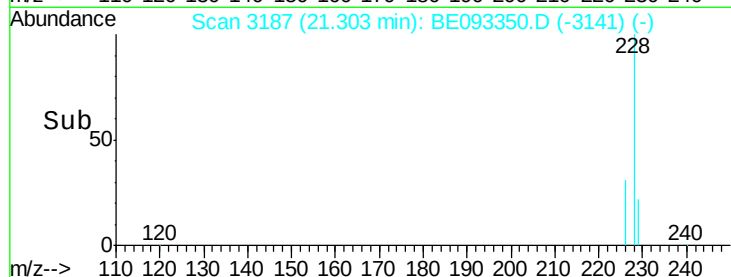
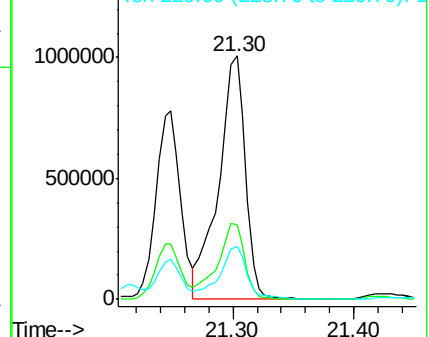
229 21.9 17.7 26.5



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: 0.78 ng/ul

RT: 22.94 min Scan# 3544

Delta R.T. 0.02 min

Lab File: BE093350.D

Acq: 23 Jun 2017 23:15

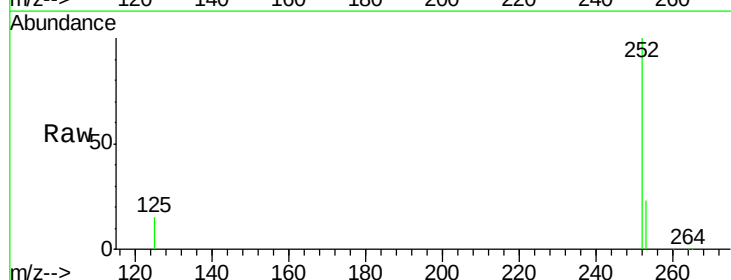
Tgt Ion:252 Resp: 1391558

Ion Ratio Lower Upper

252 100

253 22.6 0.0 64.2

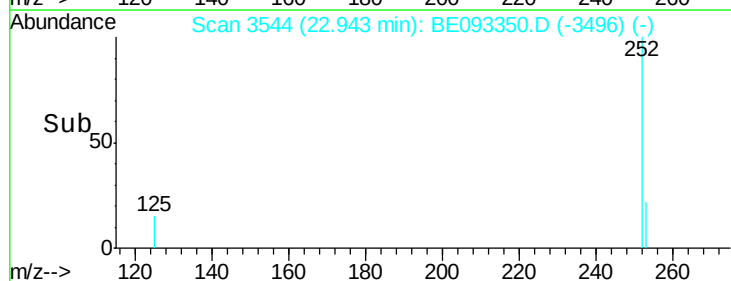
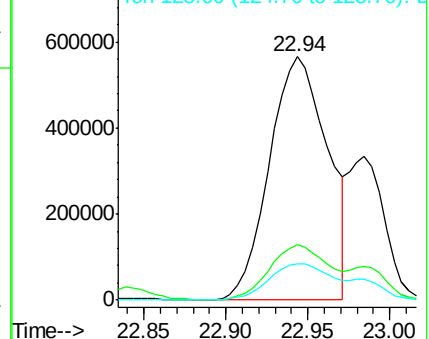
125 15.1 0.0 35.0

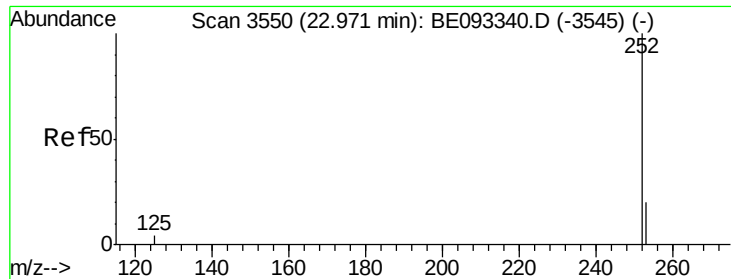


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.00 ng/ul

RT: 22.94 min Scan# 3544

Delta R.T. -0.03 min

Lab File: BE093350.D

Acq: 23 Jun 2017 23:15

Instrument :

BNA_E

ClientSampleId :

F5A93

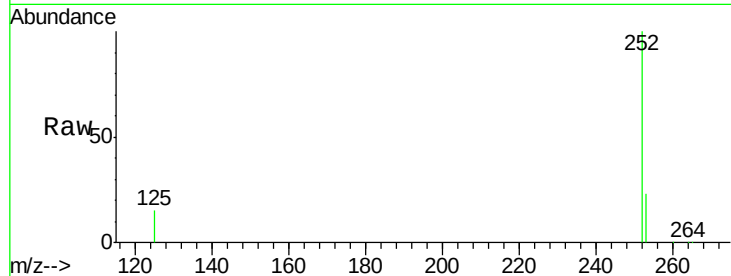
Tgt Ion:252 Resp: 1889354

Ion Ratio Lower Upper

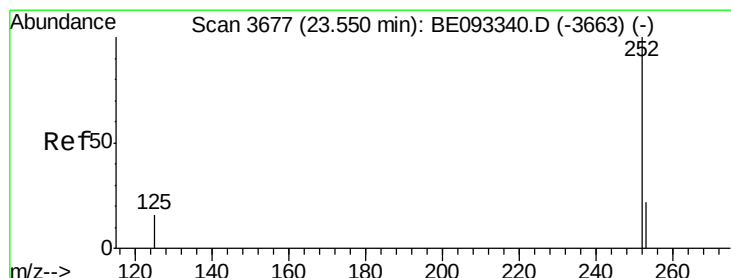
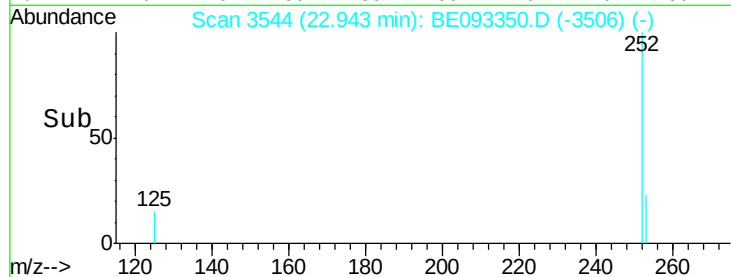
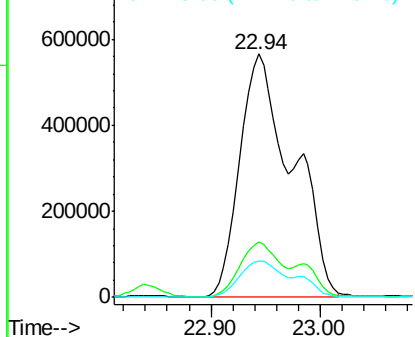
252 100

253 22.6 24.5 36.7#

125 15.1 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: 0.38 ng/ul

RT: 23.46 min Scan# 3658

Delta R.T. -0.09 min

Lab File: BE093350.D

Acq: 23 Jun 2017 23:15

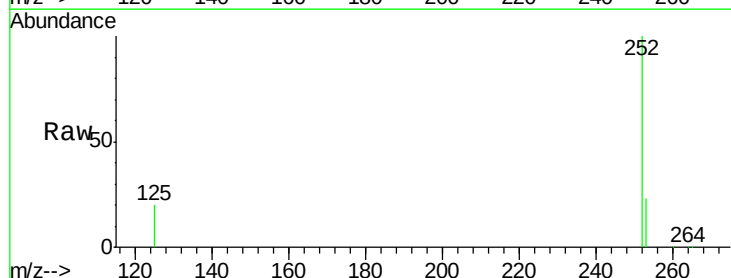
Tgt Ion:252 Resp: 637759

Ion Ratio Lower Upper

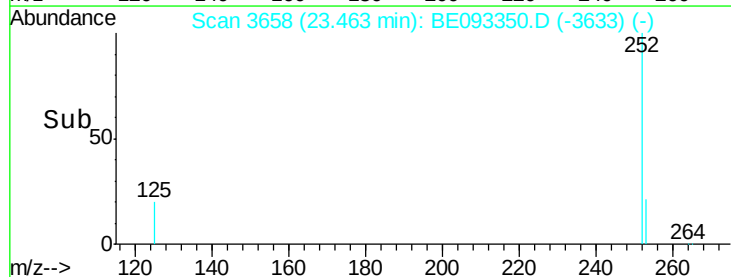
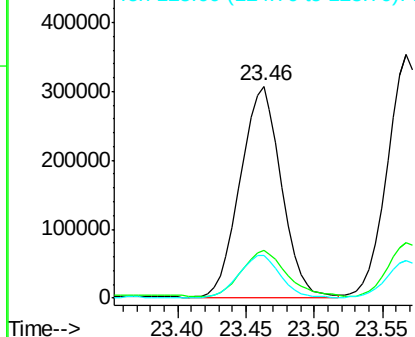
252 100

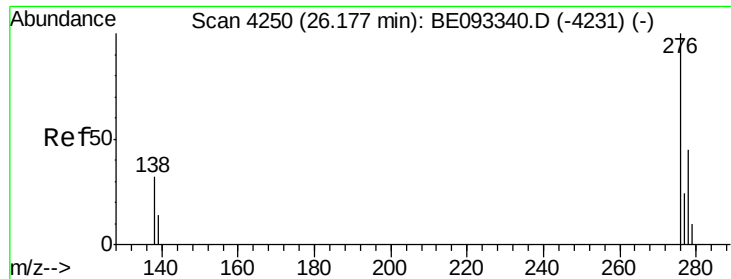
253 22.6 28.5 42.7#

125 20.1 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: 0.03 ng/ul

RT: 25.92 min Scan# 4194

Delta R.T. -0.25 min

Lab File: BE093350.D

Acq: 23 Jun 2017 23:15

Instrument :

BNA_E

ClientSampleId :

F5A93

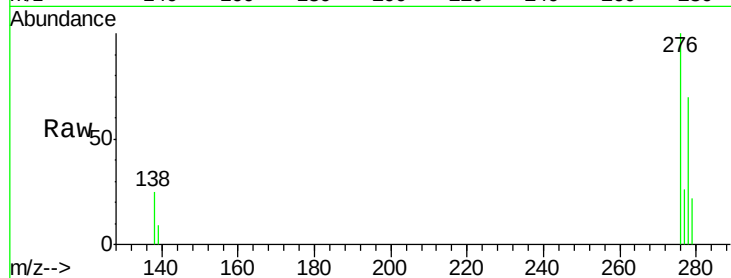
Tgt Ion:276 Resp: 64306

Ion Ratio Lower Upper

276 100

138 20.6 28.0 42.0#

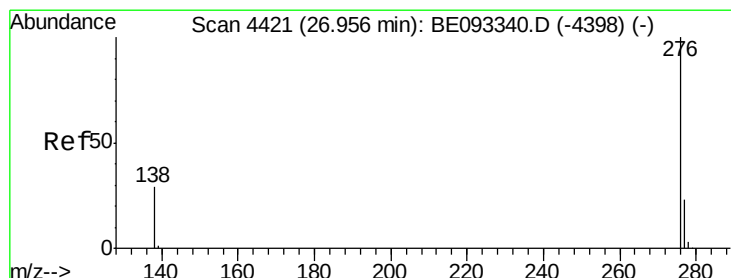
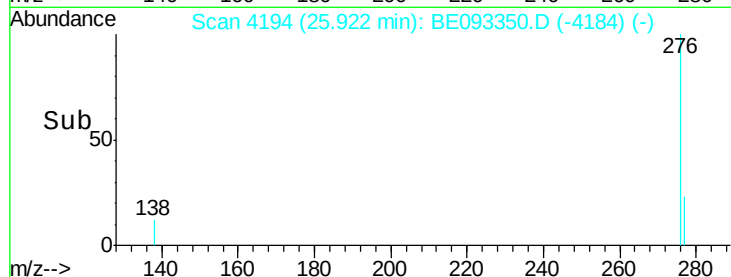
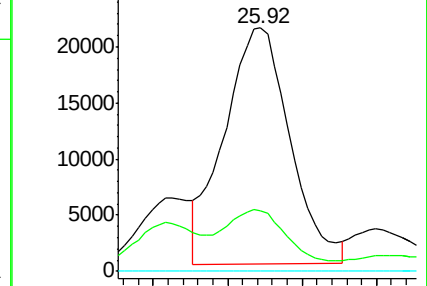
227 0.0 8.0 12.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.18 ng/ul

RT: 26.97 min Scan# 4424

Delta R.T. 0.01 min

Lab File: BE093350.D

Acq: 23 Jun 2017 23:15

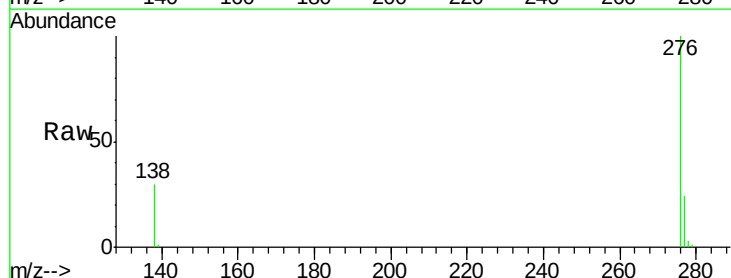
Tgt Ion:276 Resp: 303778

Ion Ratio Lower Upper

276 100

138 29.8 21.8 32.8

277 24.3 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

