

Data File : BE093181.D
Acq On : 14 Jun 2017 22:15
Operator : SJ/MA
Sample : I3521-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C00

Quant Time: Jun 15 04:00:13 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	3958	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	20111	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	12616	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.10
16) Chrysene-d12	21.26	240	29947	0.40	ng/ul	0.00
20) Perylene-d12	23.52	264	1573888	0.40	ng/ul	-0.15

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	9029	0.31	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	23988	0.00	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.57	128	7826	0.16	ng/ul#	94
5) 2-Methylnaphthalene	12.19	142	1764	0.05	ng/ul	97
7) Acenaphthylene	14.08	152	52827	0.98	ng/ul	96
8) Acenaphthene	14.43	153	1493	0.03	ng/ul#	92
9) Fluorene	15.42	166	1936	0.04	ng/ul#	87
17) Pyrene	19.52	202	888955	10.07	ng/ul#	86
18) Benzo(a)anthracene	21.25	228	480863	6.02	ng/ul#	85
19) Chrysene	21.30	228	610093	7.36	ng/ul	98
21) Benzo(b)fluoranthene	22.94	252	1035849	0.22	ng/ul	87
22) Benzo(k)fluoranthene	22.94	252	1347606	0.27	ng/ul#	89
23) Benzo(a)pyrene	23.46	252	482843	0.11	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.91	276	61749	0.01	ng/ul#	69
25) Dibenzo(a,h)anthracene	26.20	278	82724	0.02	ng/ul	92
26) Benzo(g,h,i)perylene	26.96	276	251734	0.06	ng/ul	97

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

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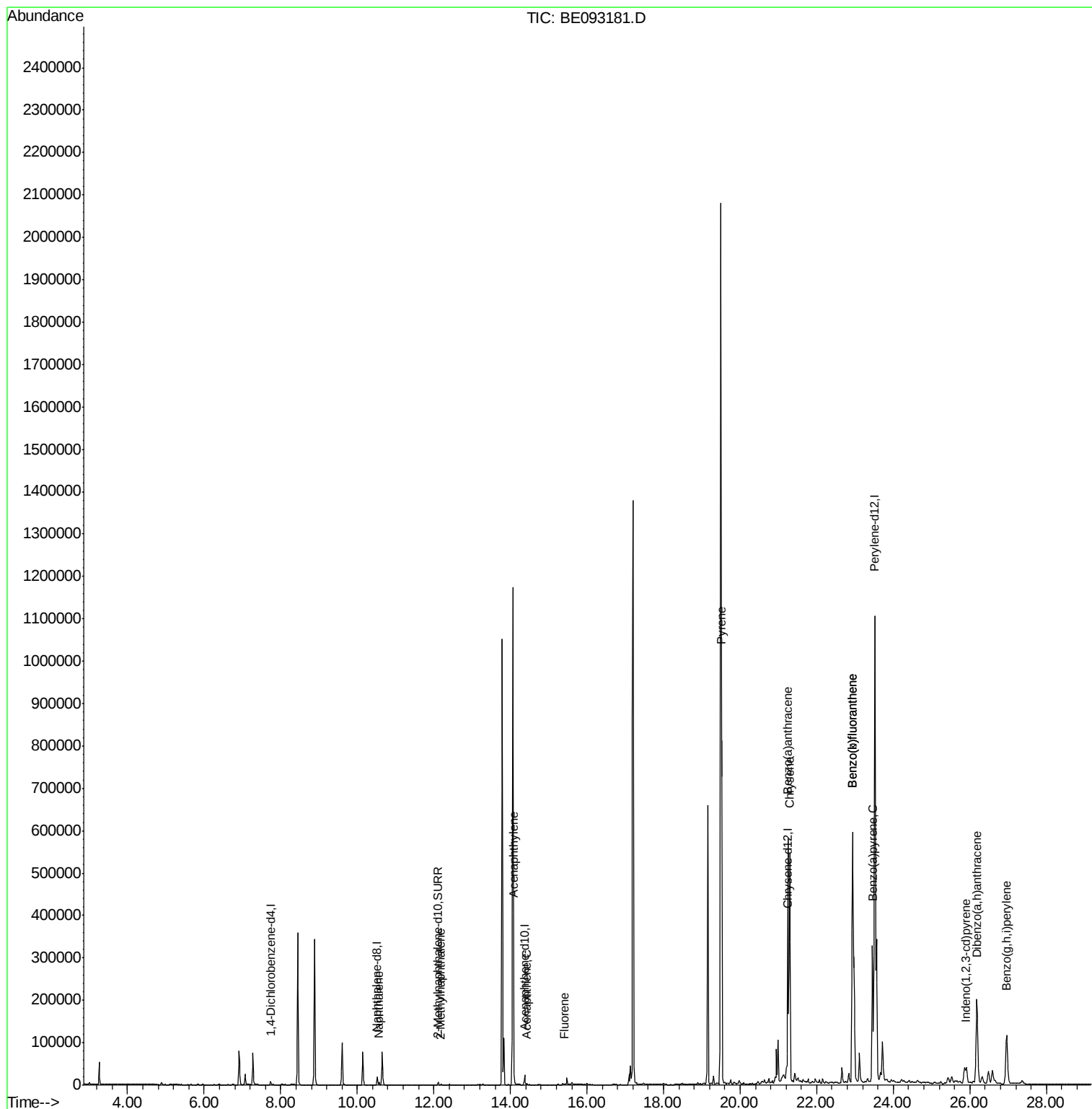
Quant Time: Jun 15 04:00:13 2017

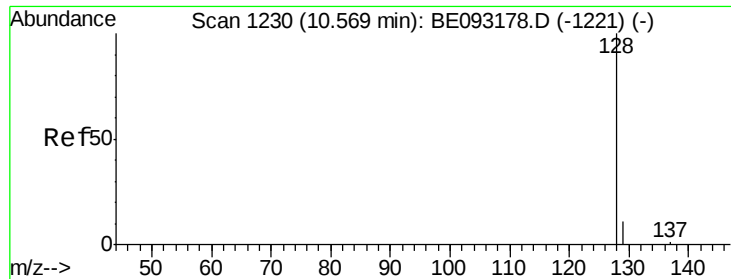
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.16 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093181.D

Acq: 14 Jun 2017 22:15

Instrument :

BNA_E

ClientSampleId :

F5C00

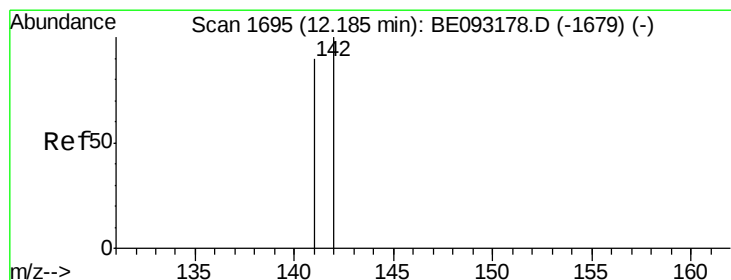
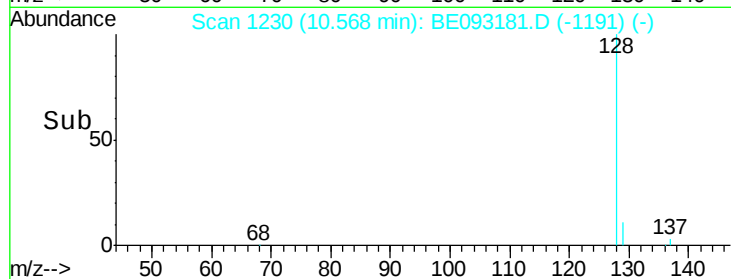
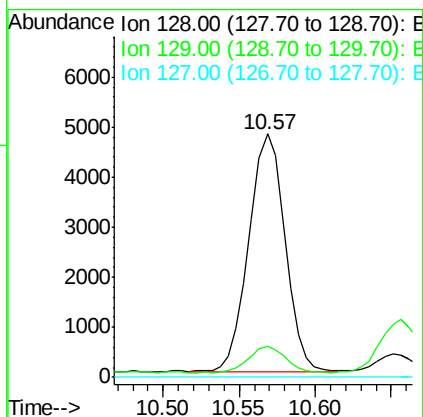
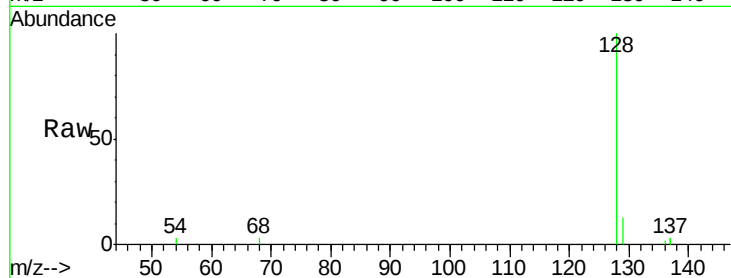
Tgt Ion:128 Resp: 7826

Ion Ratio Lower Upper

128 100

129 12.9 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 12.19 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BE093181.D

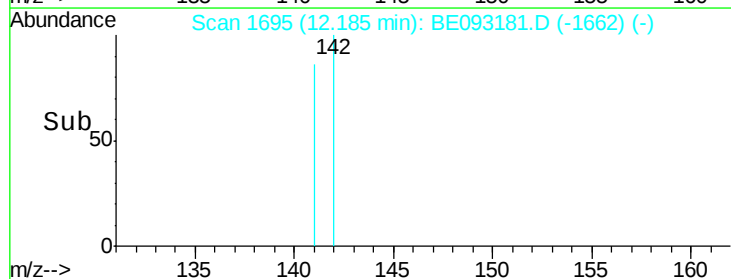
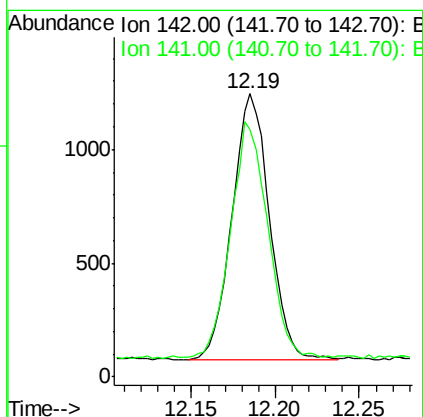
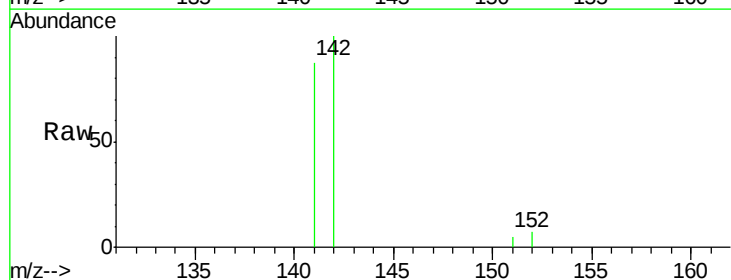
Acq: 14 Jun 2017 22:15

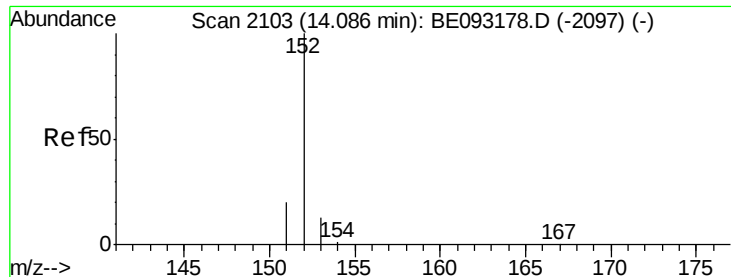
Tgt Ion:142 Resp: 1764

Ion Ratio Lower Upper

142 100

141 87.9 72.6 108.8





#7

Acenaphthylene

Concen: 0.98 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093181.D

Acq: 14 Jun 2017 22:15

Instrument :

BNA_E

ClientSampleId :

F5C00

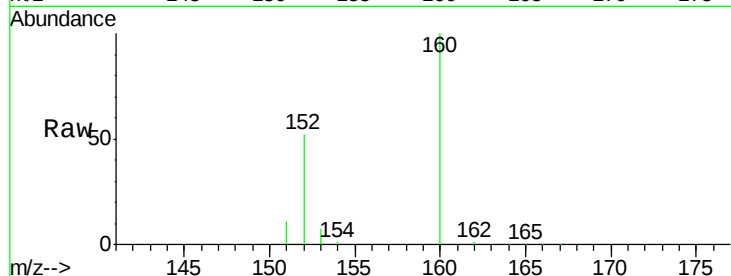
Tgt Ion:152 Resp: 52827

Ion Ratio Lower Upper

152 100

151 20.5 17.1 25.7

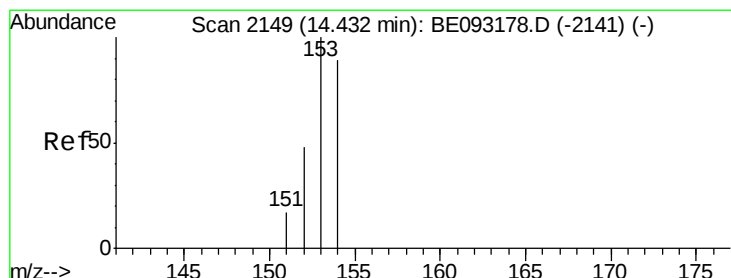
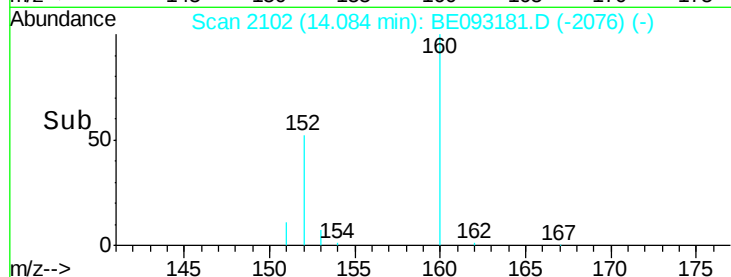
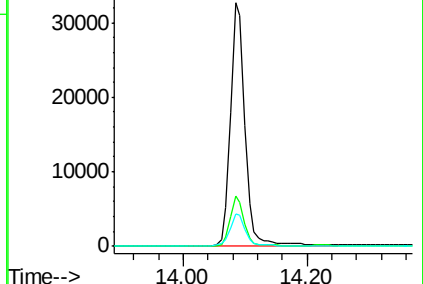
153 13.1 12.8 19.2



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: 0.03 ng/ul

RT: 14.43 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093181.D

Acq: 14 Jun 2017 22:15

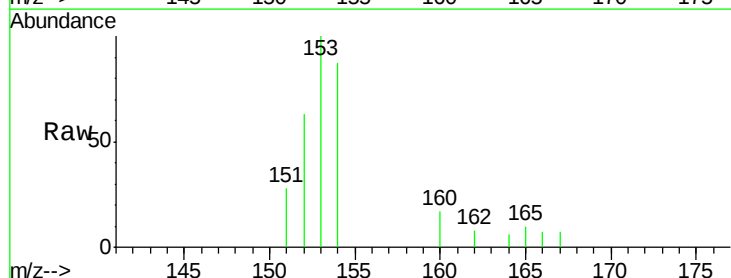
Tgt Ion:153 Resp: 1493

Ion Ratio Lower Upper

153 100

152 62.9 40.3 60.5#

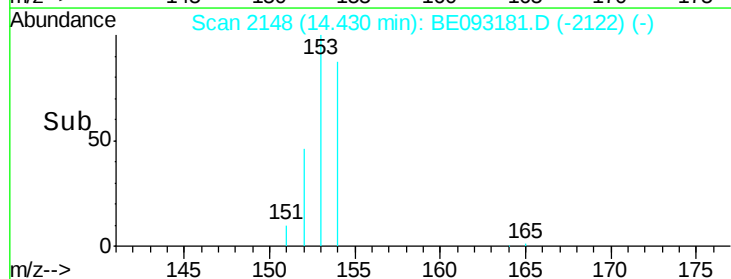
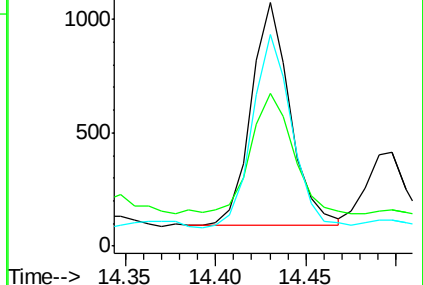
154 87.1 71.4 107.2

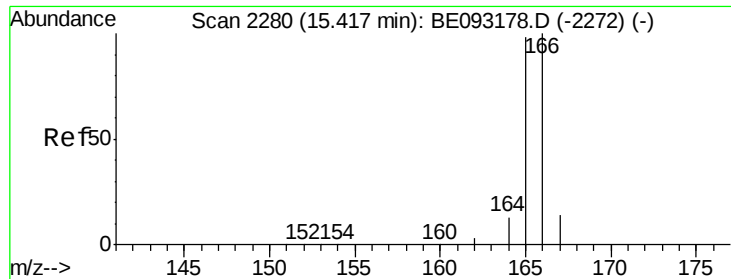


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

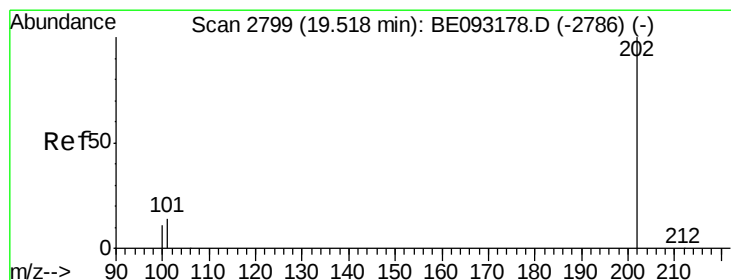
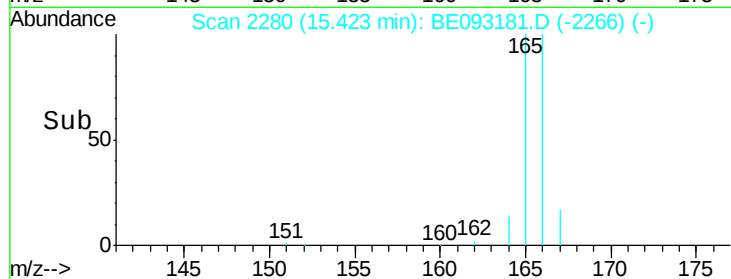
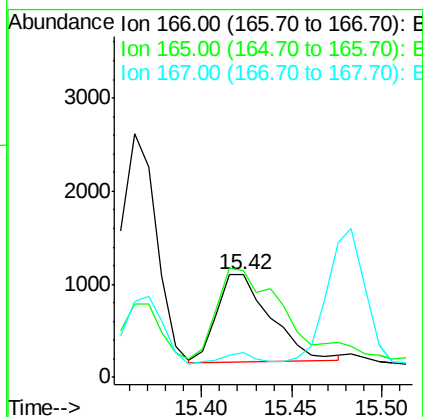
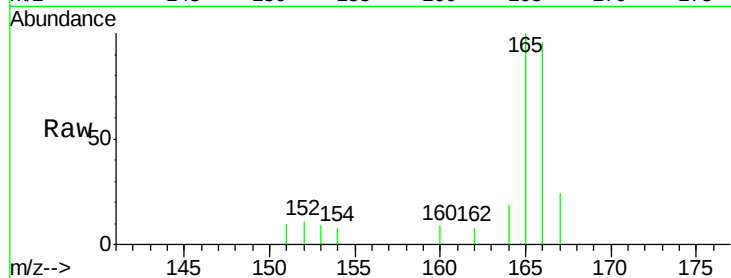




#9
Fluorene
 Concen: 0.04 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BE093181.D
 Acq: 14 Jun 2017 22:15

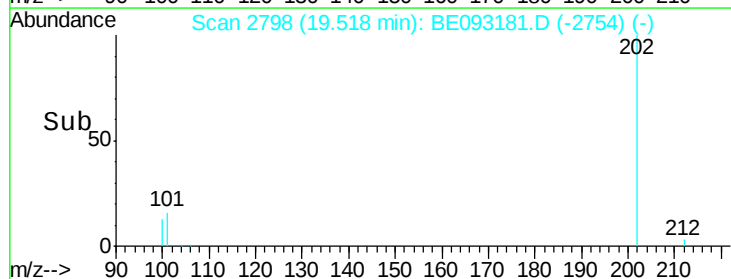
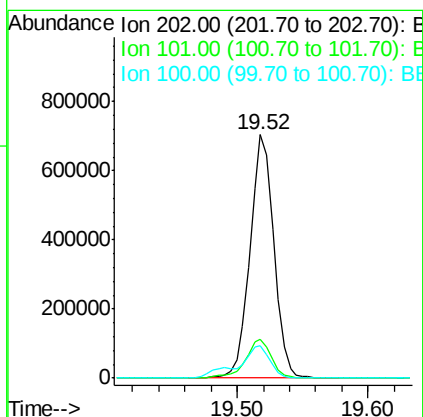
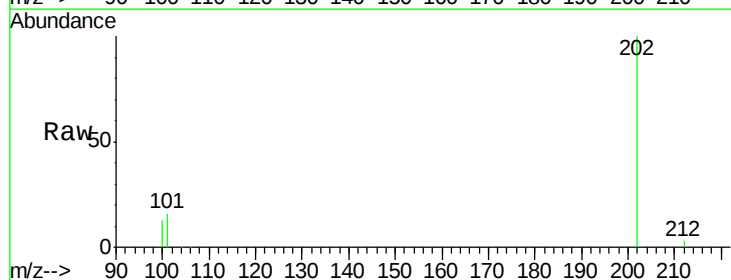
Instrument :
 BNA_E
 ClientSampleId :
 F5C00

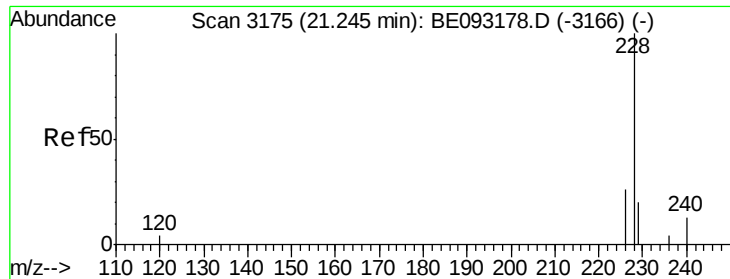
Tgt Ion:166 Resp: 1936
 Ion Ratio Lower Upper
 166 100
 165 103.9 73.4 110.2
 167 24.4 14.6 22.0#



#17
Pyrene
 Concen: 10.07 ng/ul
 RT: 19.52 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: BE093181.D
 Acq: 14 Jun 2017 22:15

Tgt Ion:202 Resp: 888955
 Ion Ratio Lower Upper
 202 100
 101 16.1 18.2 27.4#
 100 13.1 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 6.02 ng/ul

RT: 21.25 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093181.D

Acq: 14 Jun 2017 22:15

Instrument :

BNA_E

ClientSampleId :

F5C00

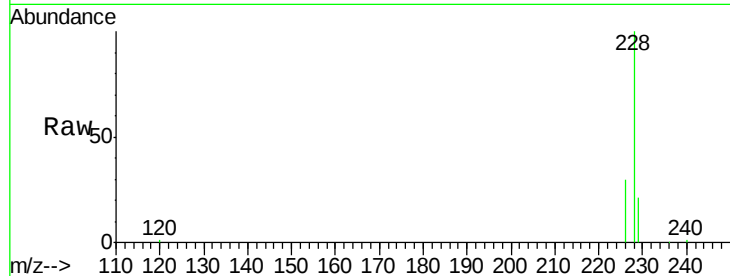
Tgt Ion:228 Resp: 480863

Ion Ratio Lower Upper

228 100

229 21.2 22.8 34.2#

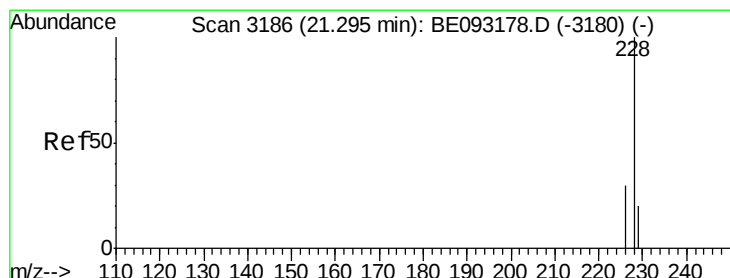
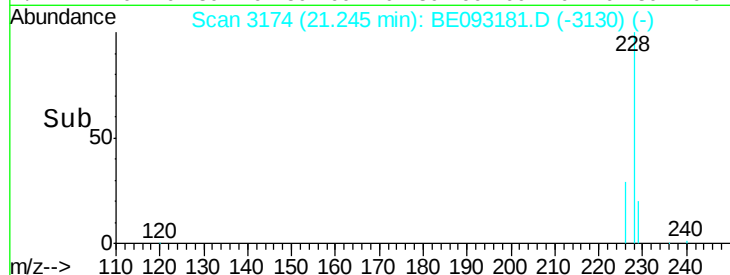
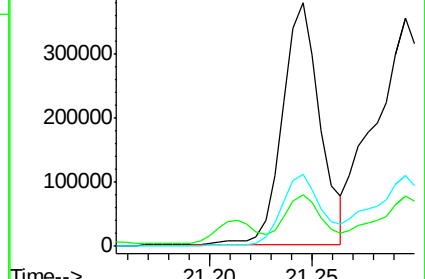
226 29.5 17.0 25.6#



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: 7.36 ng/ul

RT: 21.30 min Scan# 3185

Delta R.T. 0.00 min

Lab File: BE093181.D

Acq: 14 Jun 2017 22:15

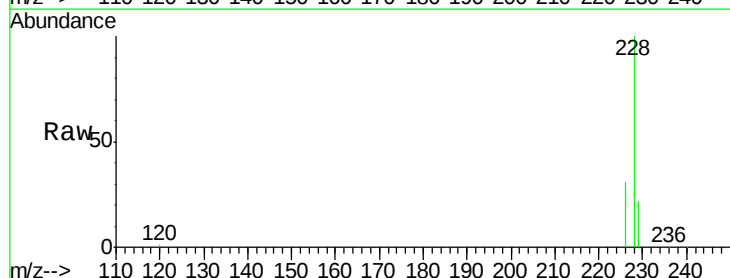
Tgt Ion:228 Resp: 610093

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

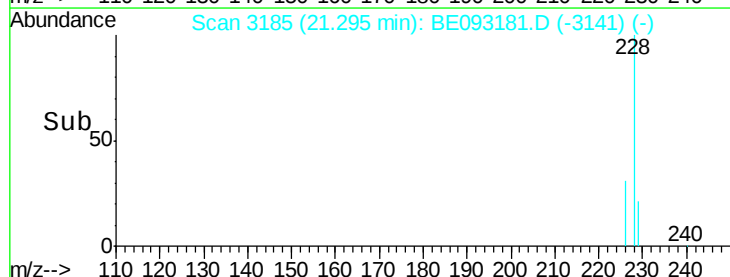
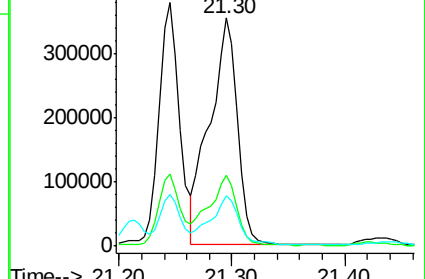
229 22.0 17.7 26.5

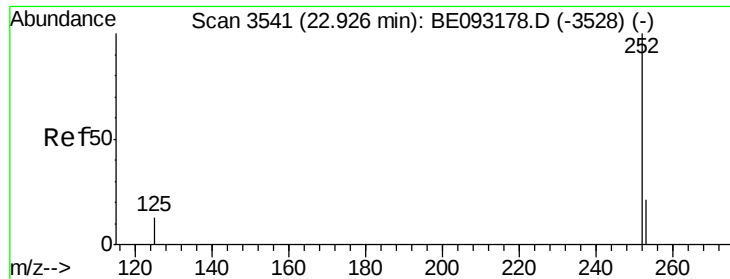


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.22 ng/u1

RT: 22.94 min Scan# 3542

Delta R.T. 0.01 min

Lab File: BE093181.D

Acq: 14 Jun 2017 22:15

Instrument :

BNA_E

ClientSampleId :

F5C00

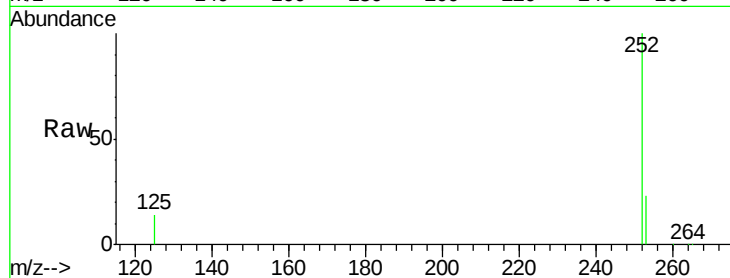
Tgt Ion:252 Resp: 1035849

Ion Ratio Lower Upper

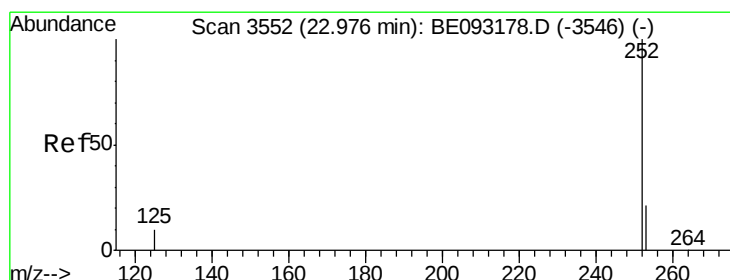
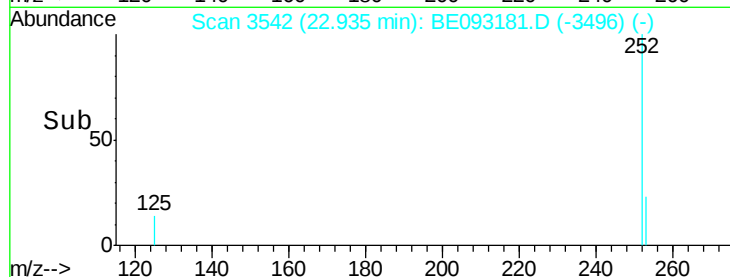
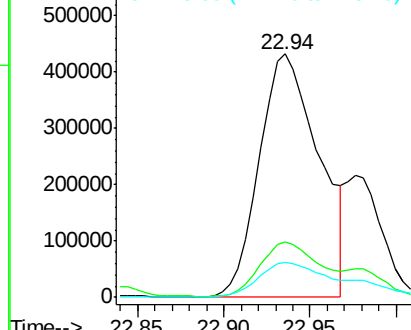
252 100

253 23.0 0.0 64.2

125 14.4 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: 0.27 ng/u1

RT: 22.94 min Scan# 3542

Delta R.T. -0.04 min

Lab File: BE093181.D

Acq: 14 Jun 2017 22:15

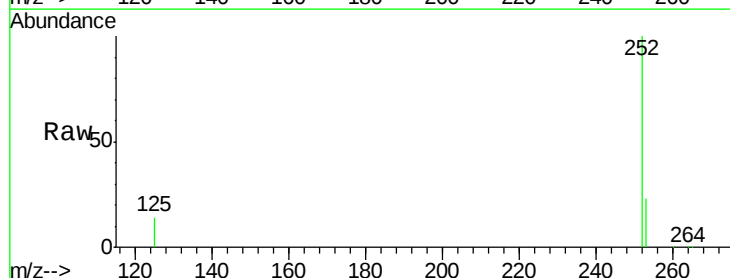
Tgt Ion:252 Resp: 1347606

Ion Ratio Lower Upper

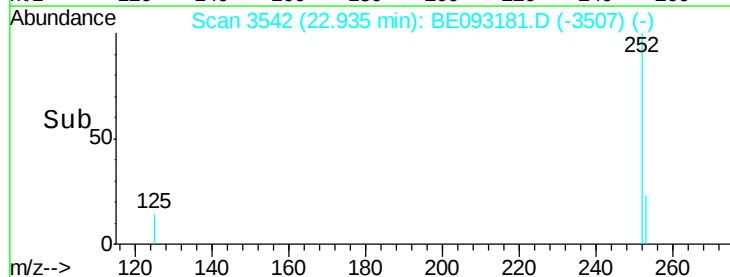
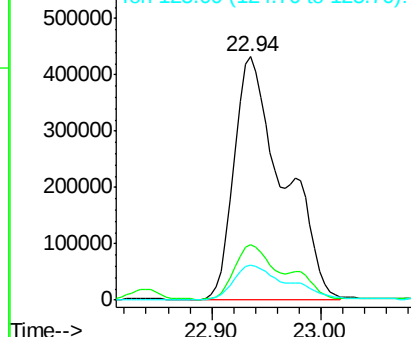
252 100

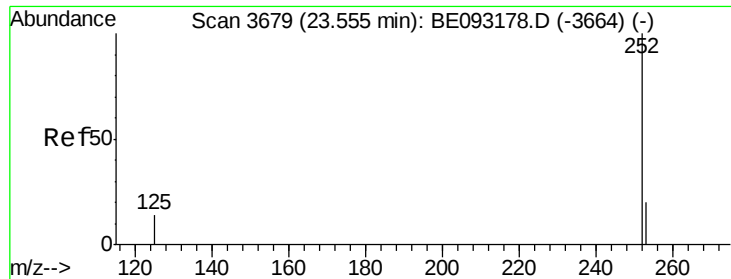
253 23.0 24.5 36.7#

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: 0.11 ng/ul

RT: 23.46 min Scan# 3657

Delta R.T. -0.10 min

Lab File: BE093181.D

Acq: 14 Jun 2017 22:15

Instrument :

BNA_E

ClientSampleId :

F5C00

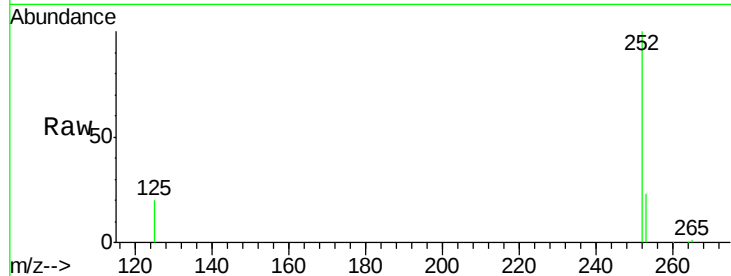
Tgt Ion:252 Resp: 482843

Ion Ratio Lower Upper

252 100

253 23.3 28.5 42.7#

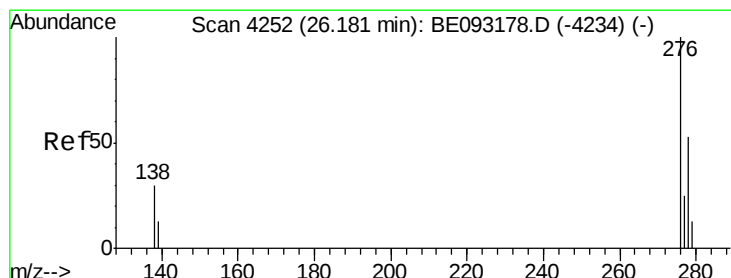
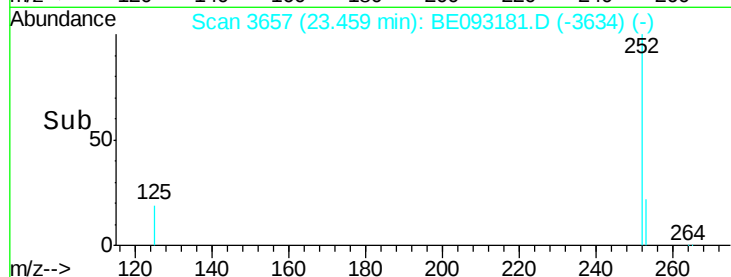
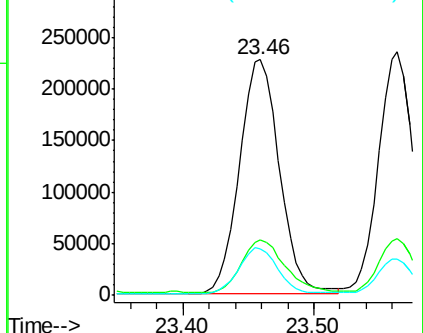
125 19.6 18.1 27.1



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: 0.01 ng/ul

RT: 25.91 min Scan# 4192

Delta R.T. -0.27 min

Lab File: BE093181.D

Acq: 14 Jun 2017 22:15

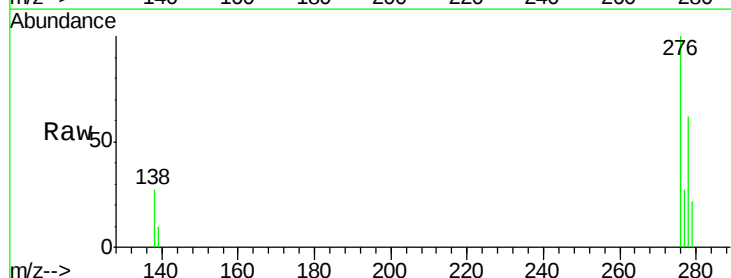
Tgt Ion:276 Resp: 61749

Ion Ratio Lower Upper

276 100

138 16.3 28.0 42.0#

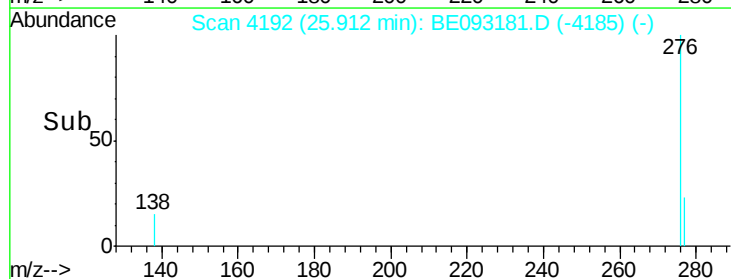
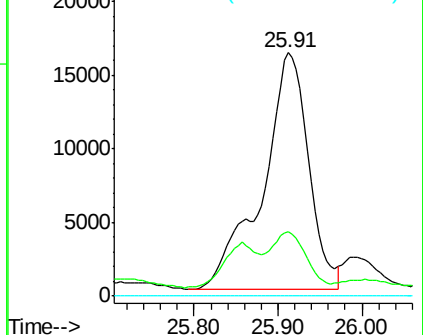
227 0.0 8.0 12.0#

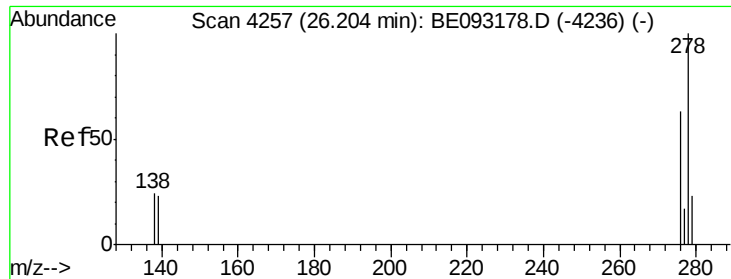


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 26.20 min Scan# 4255

Delta R.T. -0.00 min

Lab File: BE093181.D

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BNA_E

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F5C00

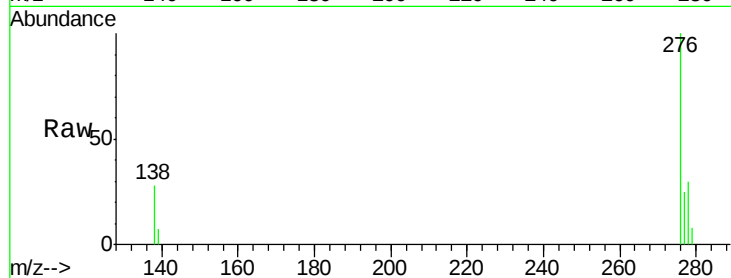
Tgt Ion: 278 Resp: 82724

Ion Ratio Lower Upper

278 100

139 24.3 17.4 26.0

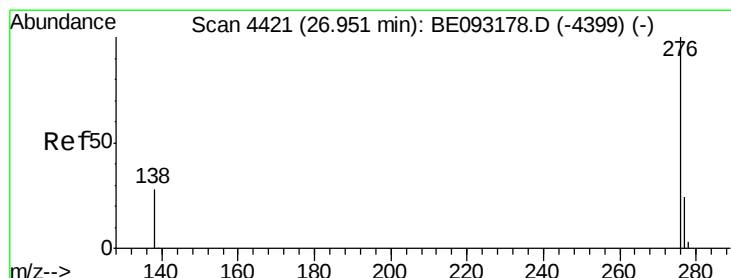
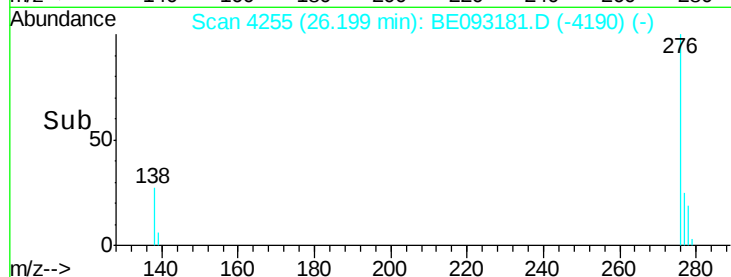
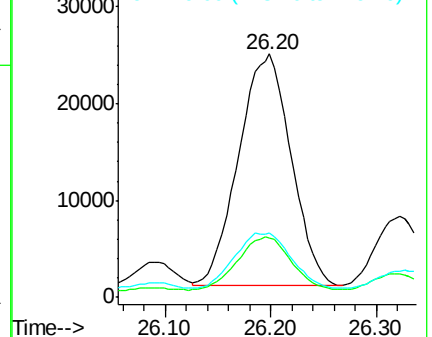
279 26.6 25.9 38.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.06 ng/ul

RT: 26.96 min Scan# 4422

Delta R.T. 0.01 min

Lab File: BE093181.D

Acq: 14 Jun 2017 22:15

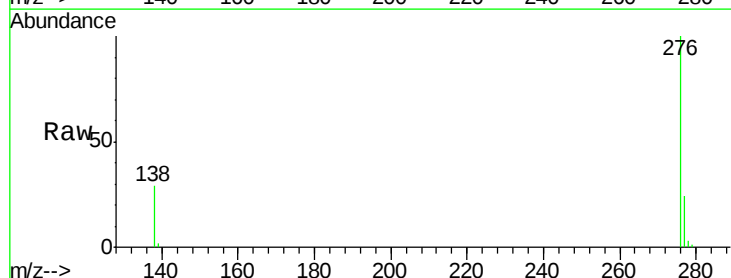
Tgt Ion: 276 Resp: 251734

Ion Ratio Lower Upper

276 100

138 29.1 21.8 32.8

277 23.9 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

