

Data File : BE093359.D
Acq On : 24 Jun 2017 13:25
Operator : SJ/JU
Sample : I3625-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B82

Quant Time: Jun 26 01:14:27 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 01:13:30 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1417	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	7441	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4883	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	11827	0.40	ng/ul	0.00
20) Perylene-d12	23.52	264	988991	0.40	ng/ul	-0.14

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	4175	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	13016	0.00	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.56	128	17796	0.96	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	4067	0.32	ng/ul	98
7) Acenaphthylene	14.08	152	79104	3.77	ng/ul	96
8) Acenaphthene	14.42	153	1540	0.09	ng/ul#	92
9) Fluorene	15.42	166	2493	0.13	ng/ul#	89
17) Pyrene	19.51	202	248978	7.14	ng/ul#	85
18) Benzo(a)anthracene	21.24	228	196998	6.24	ng/ul#	82
19) Chrysene	21.29	228	225430	6.89	ng/ul	97
21) Benzo(b)fluoranthene	22.94	252	486297	0.16	ng/ul	88
22) Benzo(k)fluoranthene	22.94	252	628398	0.20	ng/ul#	90
23) Benzo(a)pyrene	23.46	252	268867	0.09	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.92	276	58554	0.02	ng/ul#	73
25) Dibenzo(a,h)anthracene	26.20	278	65329	0.02	ng/ul	94
26) Benzo(g,h,i)perylene	26.97	276	270963	0.10	ng/ul	97

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

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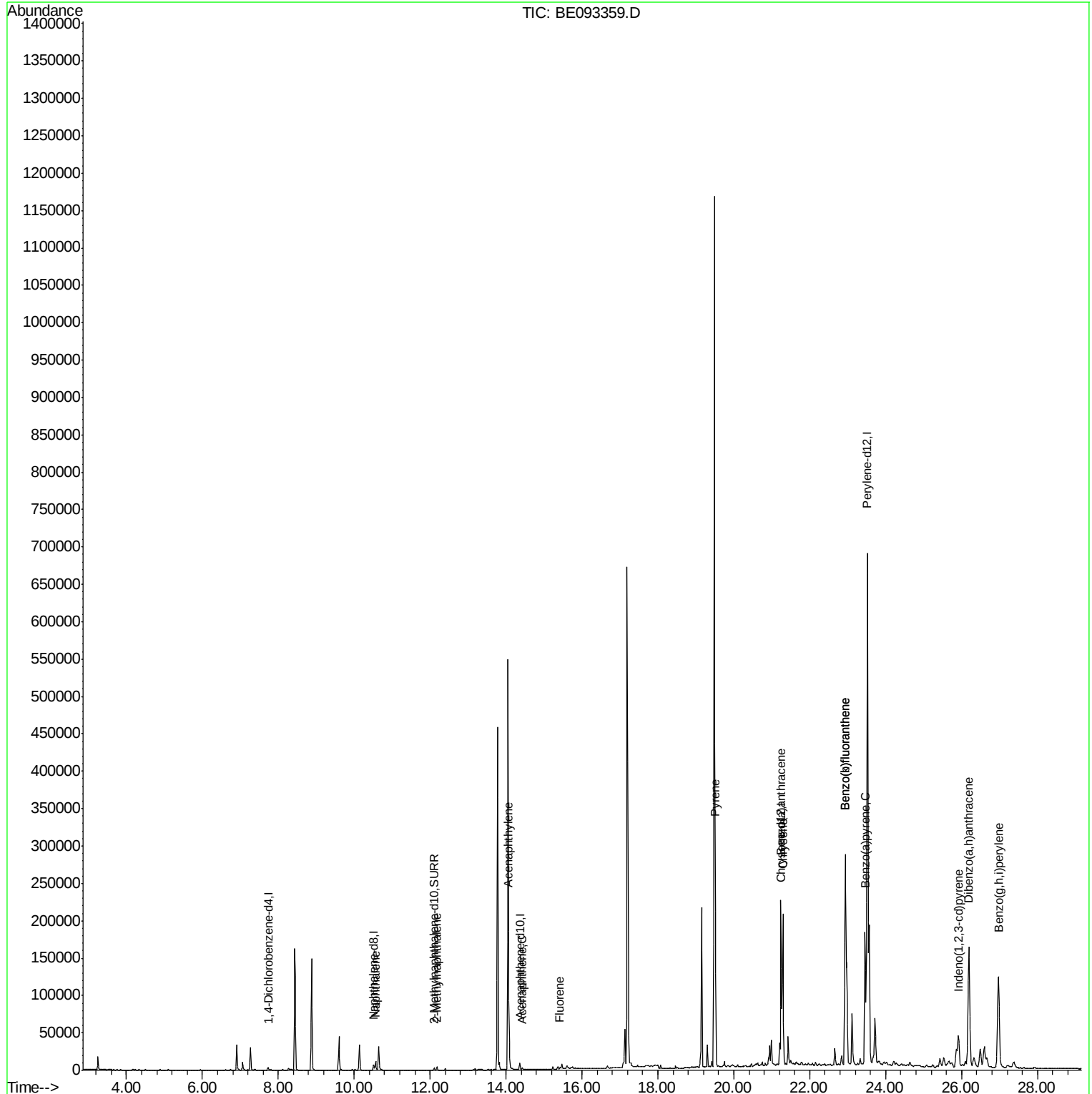
Quant Time: Jun 26 01:14:27 2017

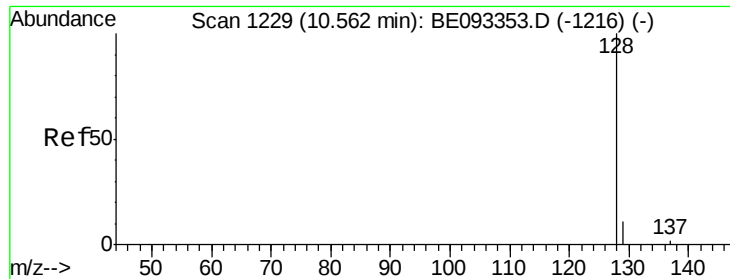
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 0.96 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093359.D

Acq: 24 Jun 2017 13:25

Instrument :

BNA_E

ClientSampleId :

F5B82

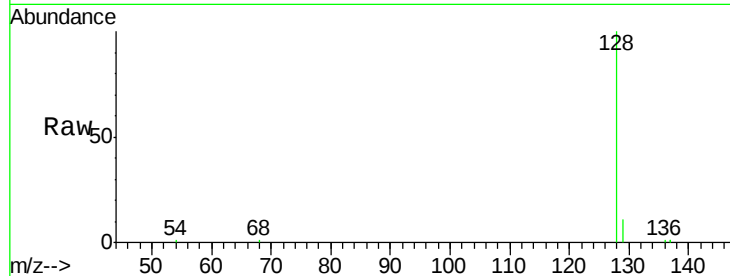
Tgt Ion:128 Resp: 17796

Ion Ratio Lower Upper

128 100

129 11.5 11.3 16.9

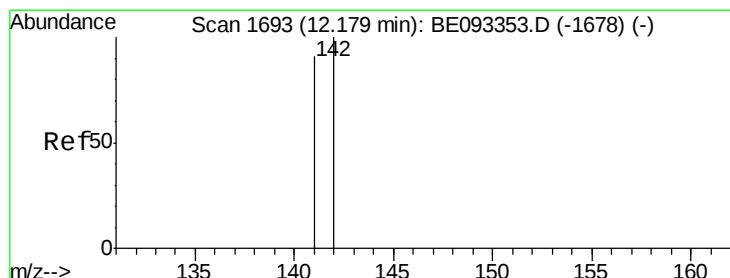
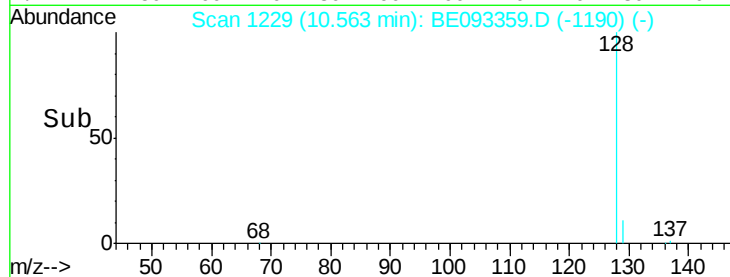
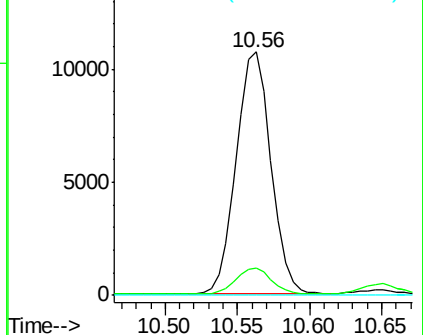
127 0.0 4.0 6.0#



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: 0.32 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BE093359.D

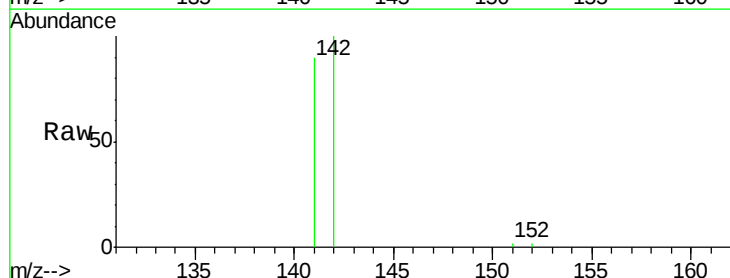
Acq: 24 Jun 2017 13:25

Tgt Ion:142 Resp: 4067

Ion Ratio Lower Upper

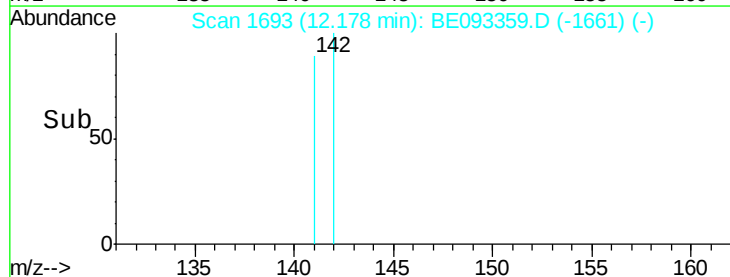
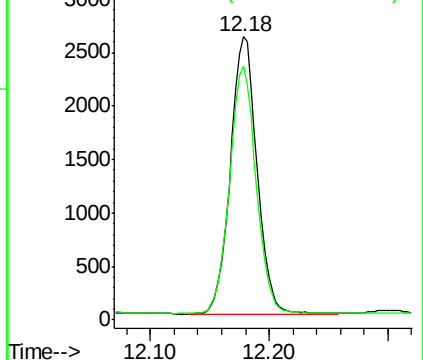
142 100

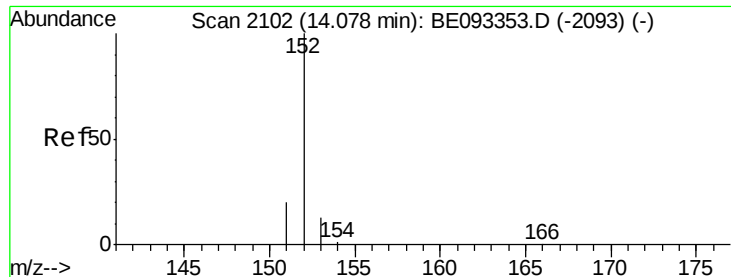
141 88.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.77 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

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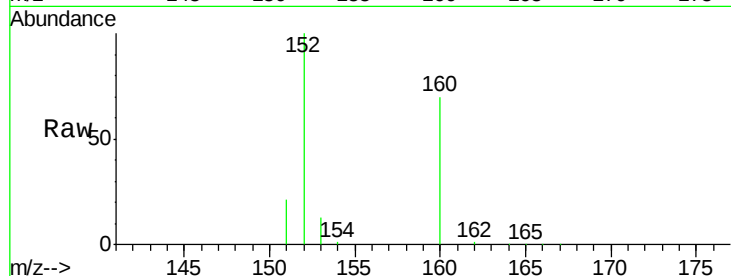
Tgt Ion:152 Resp: 79104

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

153 13.1 12.8 19.2



Abundance Ion 152.00 (151.70 to 152.70): E

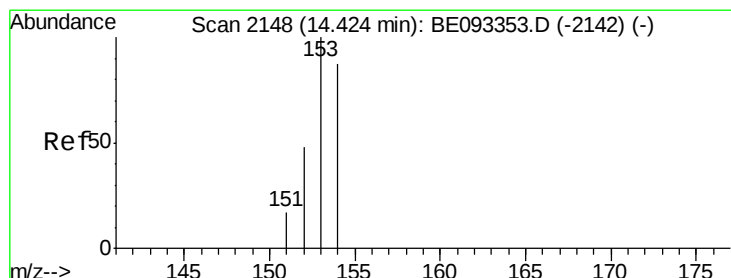
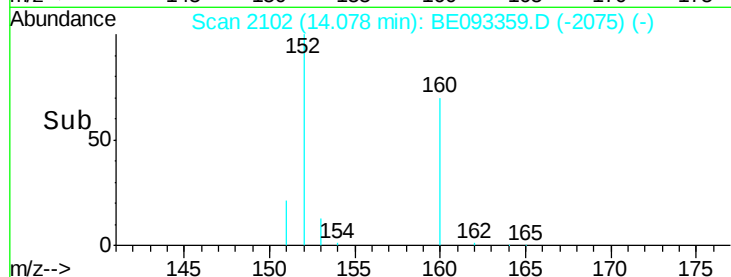
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.08

Time-->

14.00 14.20



#8

Acenaphthene

Concen: 0.09 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093359.D

Acq: 24 Jun 2017 13:25

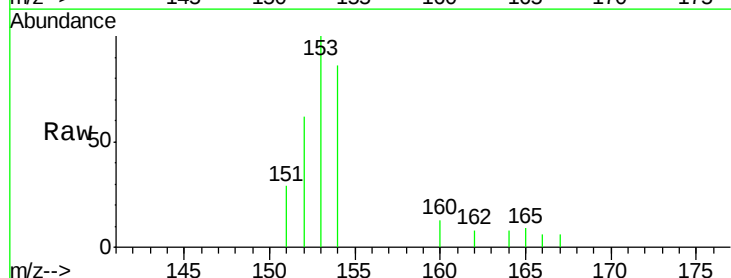
Tgt Ion:153 Resp: 1540

Ion Ratio Lower Upper

153 100

152 61.7 40.3 60.5#

154 86.2 71.4 107.2



Abundance Ion 153.00 (152.70 to 153.70): E

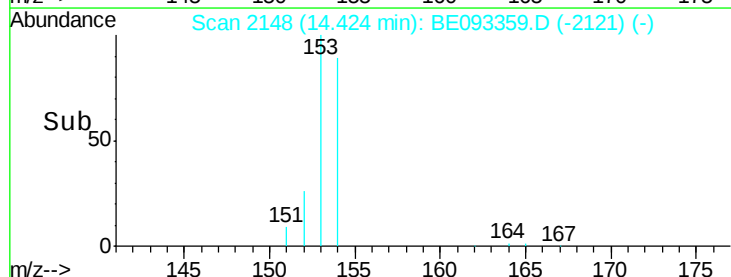
Ion 152.00 (151.70 to 152.70): E

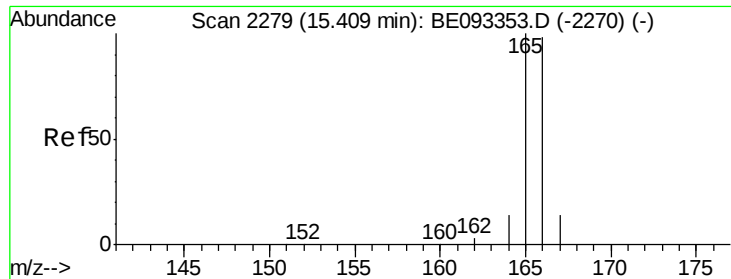
Ion 154.00 (153.70 to 154.70): E

14.42

Time-->

14.35 14.40 14.45





#9

Fluorene

Concen: 0.13 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BE093359.D

Acq: 24 Jun 2017 13:25

Instrument :

BNA_E

ClientSampleId :

F5B82

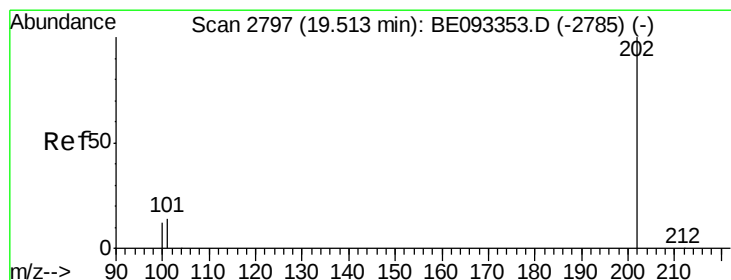
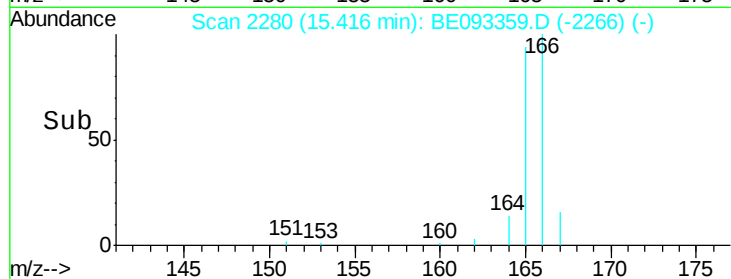
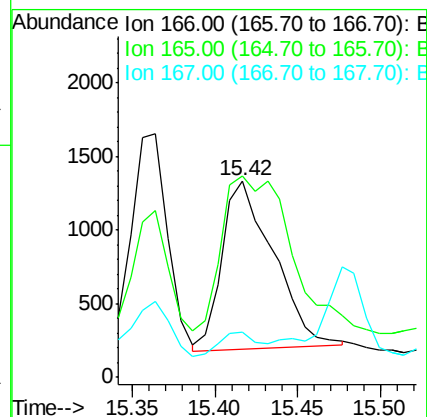
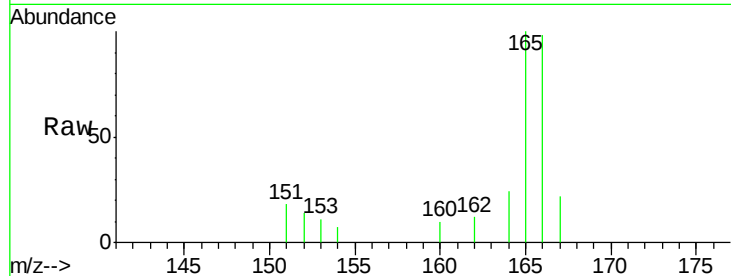
Tgt Ion:166 Resp: 2493

Ion Ratio Lower Upper

166 100

165 102.3 73.4 110.2

167 22.9 14.6 22.0#



#17

Pyrene

Concen: 7.14 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093359.D

Acq: 24 Jun 2017 13:25

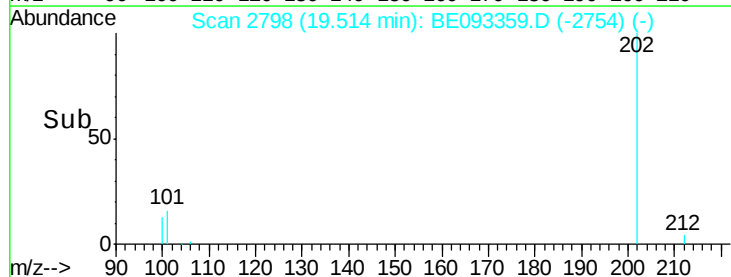
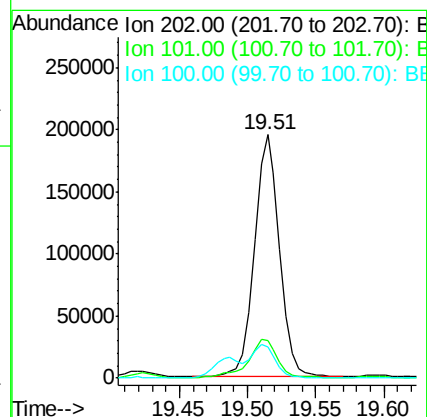
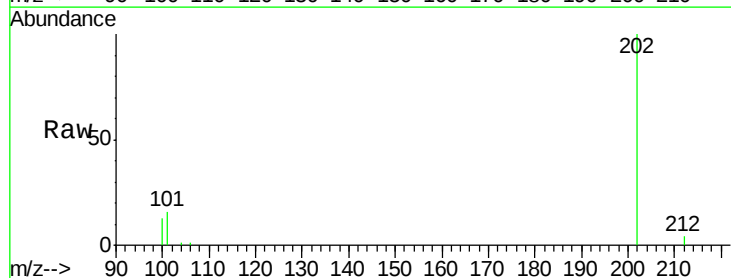
Tgt Ion:202 Resp: 248978

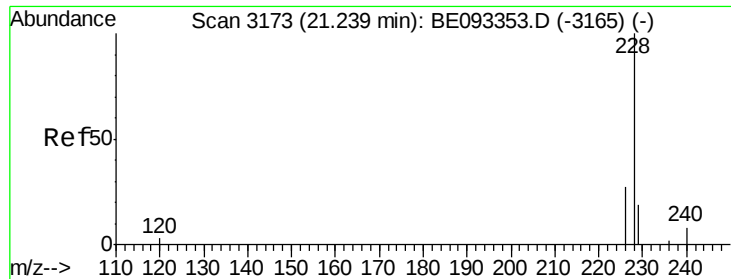
Ion Ratio Lower Upper

202 100

101 15.6 18.2 27.4#

100 12.8 15.6 23.4#

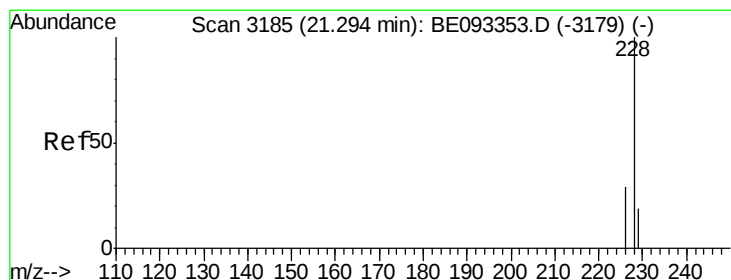
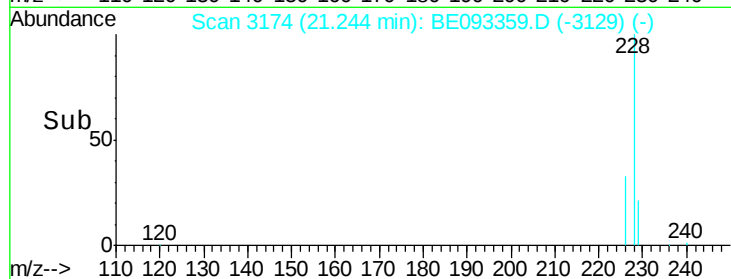
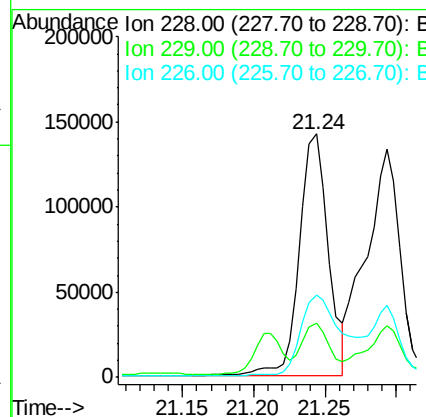
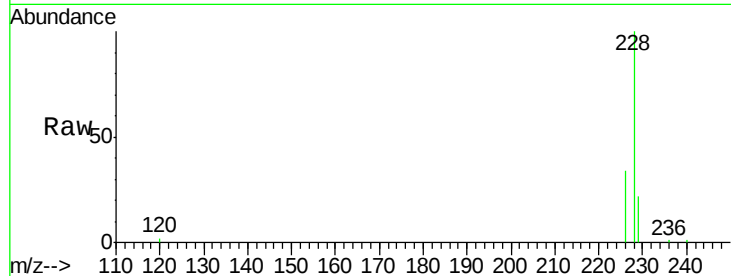




#18
Benzo(a)anthracene
Concen: 6.24 ng/ul
RT: 21.24 min Scan# 3174
Delta R.T. 0.00 min
Lab File: BE093359.D
Acq: 24 Jun 2017 13:25

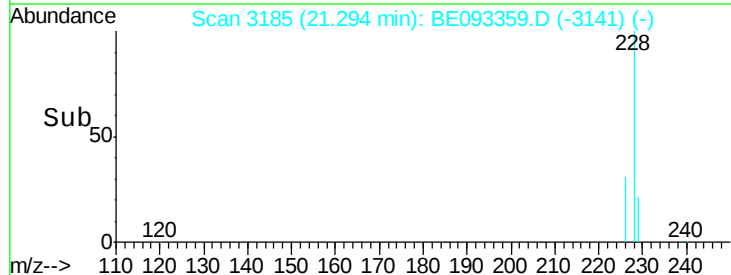
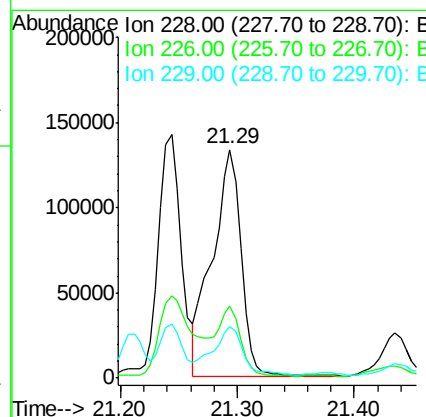
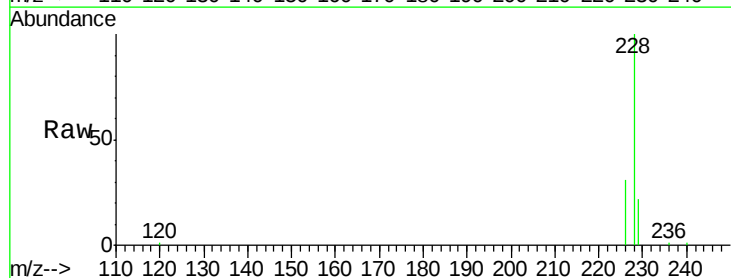
Instrument :
BNA_E
ClientSampleId :
F5B82

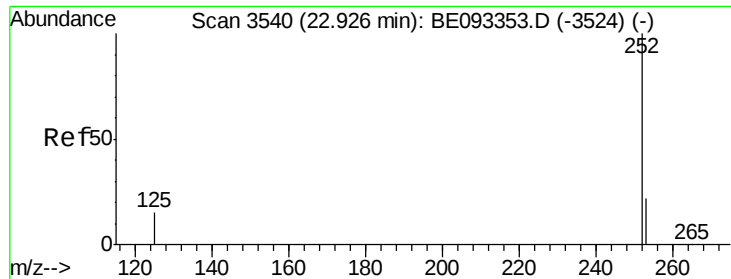
Tgt Ion:228 Resp: 196998
Ion Ratio Lower Upper
228 100
229 22.3 22.8 34.2#
226 33.6 17.0 25.6#



#19
Chrysene
Concen: 6.89 ng/ul
RT: 21.29 min Scan# 3185
Delta R.T. -0.00 min
Lab File: BE093359.D
Acq: 24 Jun 2017 13:25

Tgt Ion:228 Resp: 225430
Ion Ratio Lower Upper
228 100
226 31.4 23.4 35.0
229 22.5 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.16 ng/u1

RT: 22.94 min Scan# 3542

Delta R.T. 0.01 min

Lab File: BE093359.D

Acq: 24 Jun 2017 13:25

Instrument :

BNA_E

ClientSampleId :

F5B82

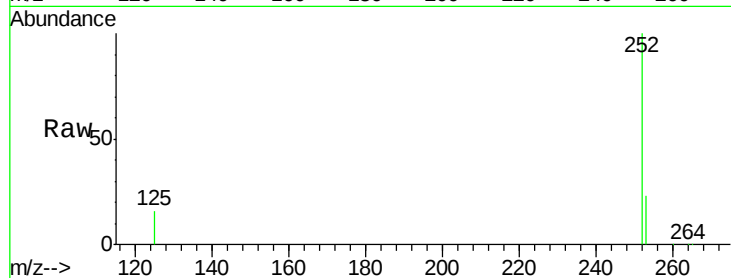
Tgt Ion:252 Resp: 486297

Ion Ratio Lower Upper

252 100

253 23.0 0.0 64.2

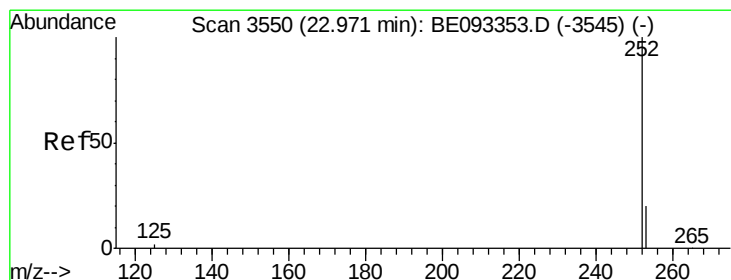
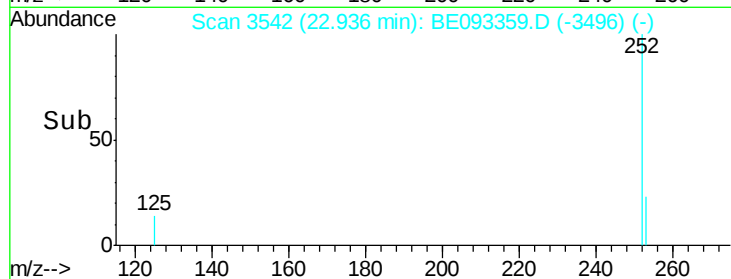
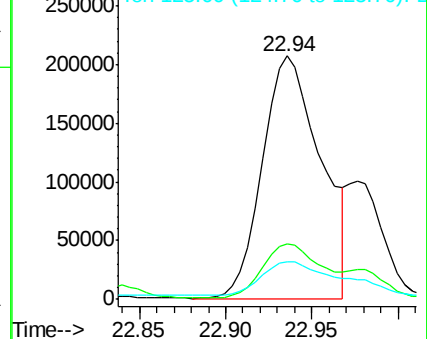
125 15.5 0.0 35.0



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: 0.20 ng/u1

RT: 22.94 min Scan# 3542

Delta R.T. -0.04 min

Lab File: BE093359.D

Acq: 24 Jun 2017 13:25

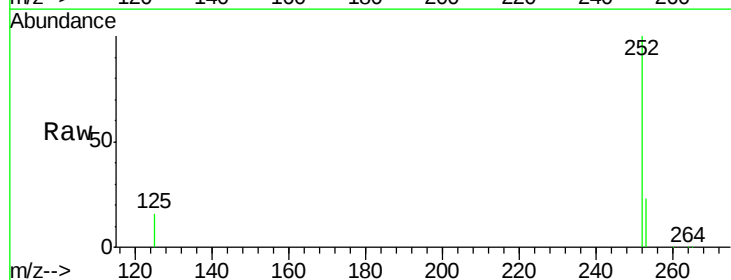
Tgt Ion:252 Resp: 628398

Ion Ratio Lower Upper

252 100

253 23.0 24.5 36.7#

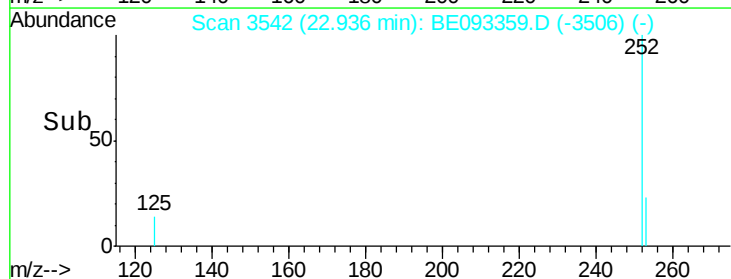
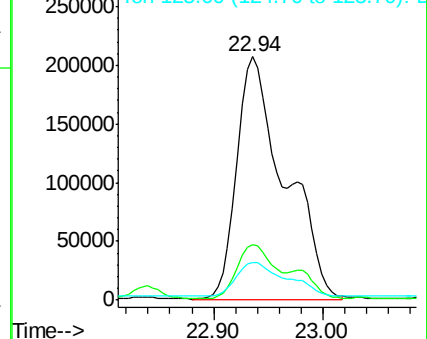
125 15.5 13.7 20.5

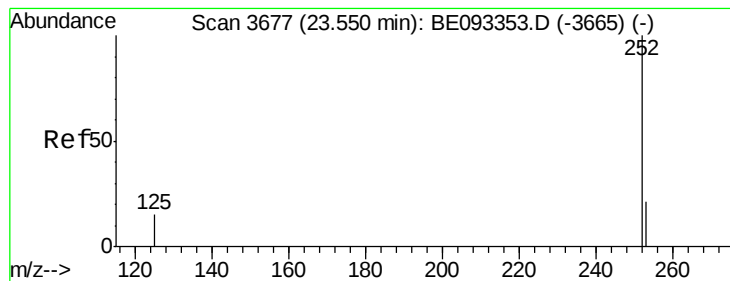


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.09 ng/ul

RT: 23.46 min Scan# 3657

Delta R.T. -0.09 min

Lab File: BE093359.D

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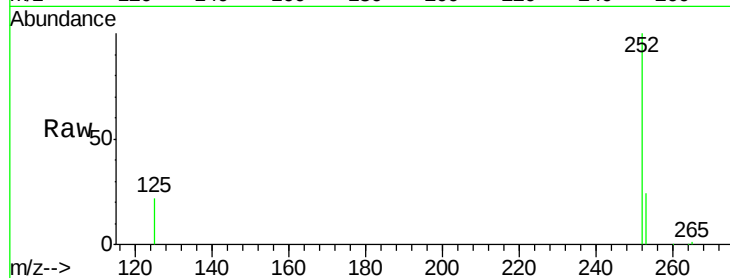
Tgt Ion:252 Resp: 268867

Ion Ratio Lower Upper

252 100

253 23.8 28.5 42.7#

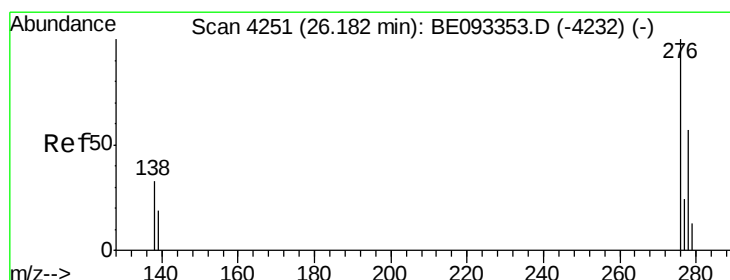
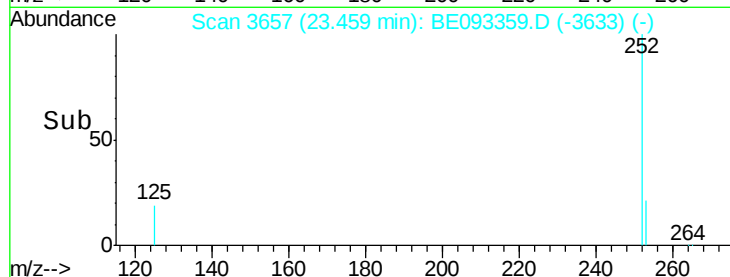
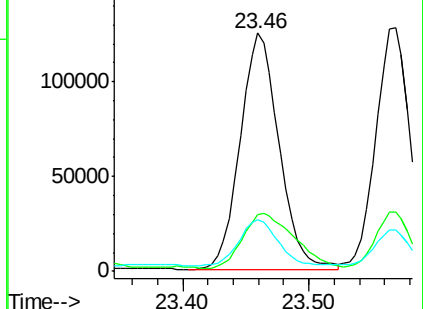
125 21.8 18.1 27.1



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: BE093359.D

Acq: 24 Jun 2017 13:25

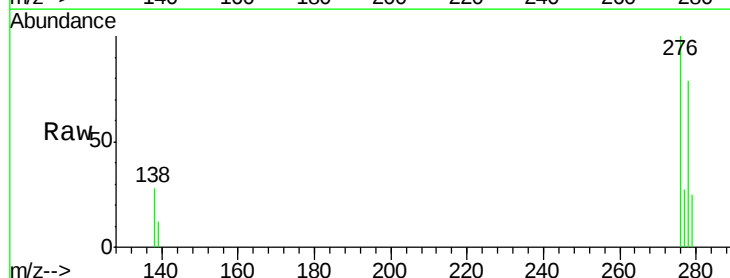
Tgt Ion:276 Resp: 58554

Ion Ratio Lower Upper

276 100

138 19.0 28.0 42.0#

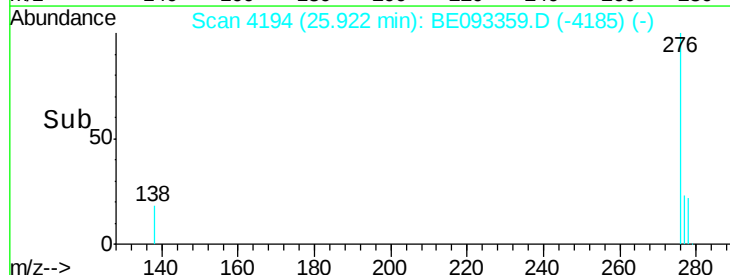
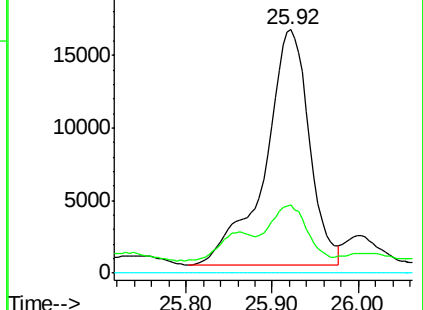
227 0.0 8.0 12.0#

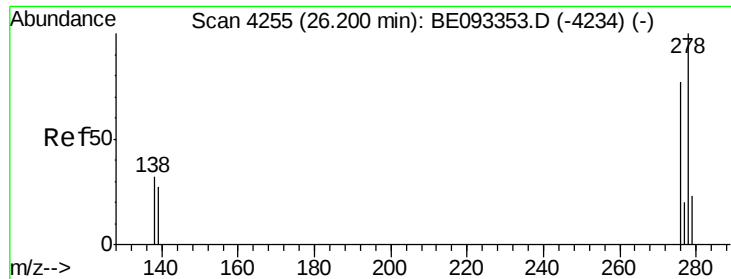


Abundance Ion 276.00 (275.70 to 276.70): E

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: BE093359.D

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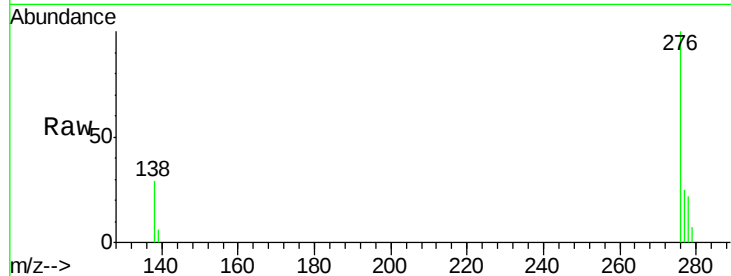
Tgt Ion: 278 Resp: 65329

Ion Ratio Lower Upper

278 100

139 26.0 17.4 26.0

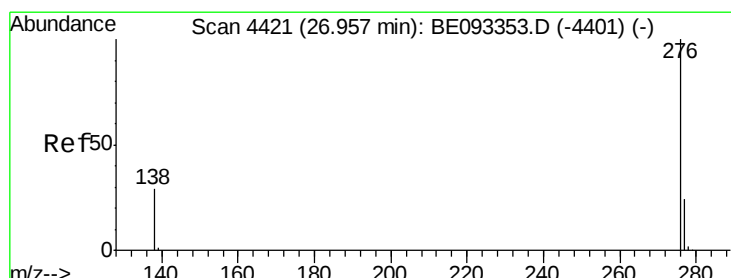
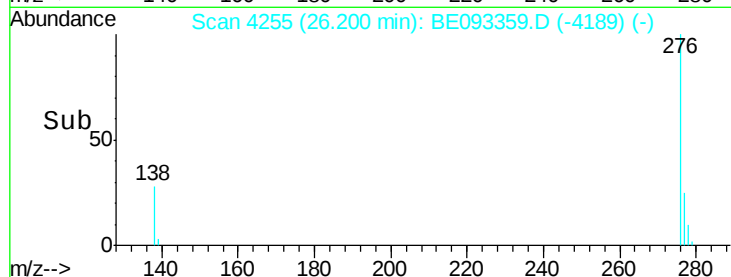
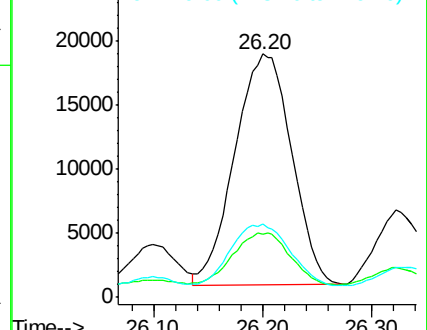
279 30.0 25.9 38.9



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: 0.10 ng/ul

RT: 26.97 min Scan# 4425

Delta R.T. 0.02 min

Lab File: BE093359.D

Acq: 24 Jun 2017 13:25

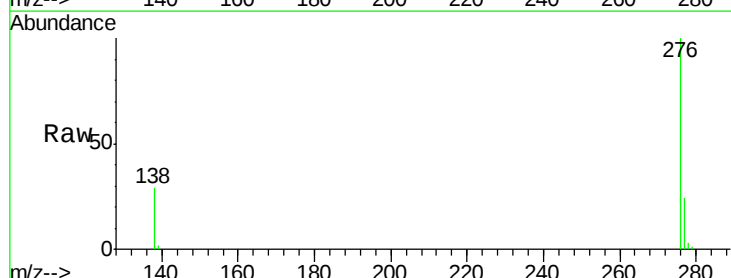
Tgt Ion: 276 Resp: 270963

Ion Ratio Lower Upper

276 100

138 28.9 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

