

Data File : BE098089.D
Acq On : 26 Oct 2018 14:54
Operator : SJ/JU
Sample : J5598-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD7

Quant Time: Oct 26 23:20:42 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 26 23:15:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	1049	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	5342	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	3805	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.39	188	311361	0.40	ng/ul	0.10
16) Chrysene-d12	21.61	240	74	0.40	ng/ul	0.13
20) Perylene-d12	24.16	264	943	0.40	ng/ul	0.13

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	1700	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.41	212	112	0.00	ng/ul	0.09

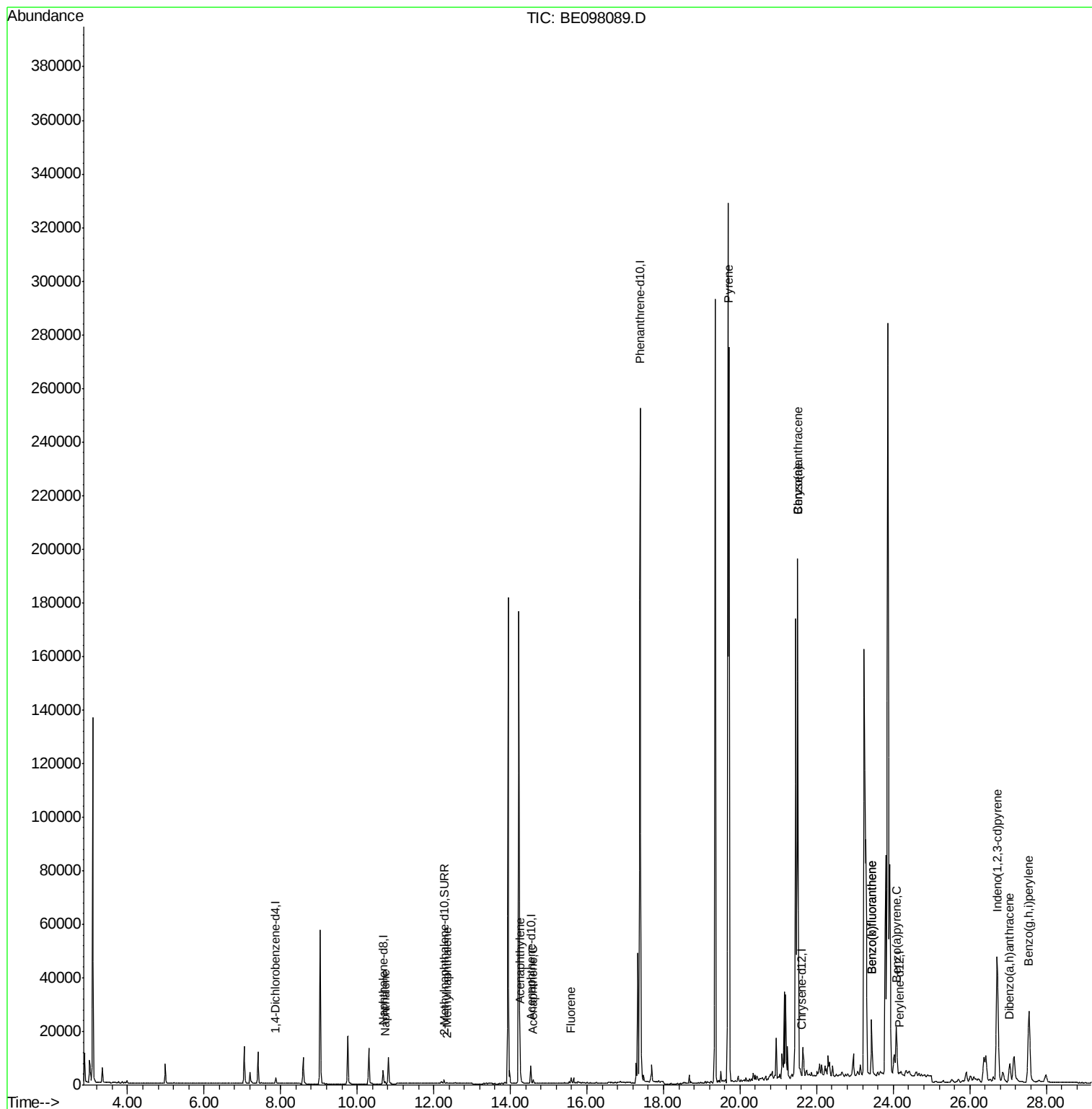
Target Compounds			Qvalue			
3) Naphthalene	10.72	128	1473	0.115	ng/ul#	90
5) 2-Methylnaphthalene	12.34	142	422	0.044	ng/ul	98
7) Acenaphthylene	14.26	152	11809	0.787	ng/ul	97
8) Acenaphthene	14.60	153	974	0.087	ng/ul	93
9) Fluorene	15.59	166	1403	0.104	ng/ul#	98
17) Pyrene	19.71	202	307011	1776.853	ng/ul	98
18) Benzo(a)anthracene	21.51	228	215320	989.634	ng/ul	96
19) Chrysene	21.51	228	215320	1279.326	ng/ul	99
21) Benzo(b)fluoranthene	23.44	252	32114	12.291	ng/ul	95
22) Benzo(k)fluoranthene	23.44	252	32077	12.543	ng/ul	94
23) Benzo(a)pyrene	24.08	252	27187	10.819	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	26.72	276	93557	32.491	ng/ul#	93
25) Dibenzo(a,h)anthracene	27.04	278	12122	5.051	ng/ul	96
26) Benzo(g,h,i)perylene	27.55	276	65657	27.085	ng/ul	96

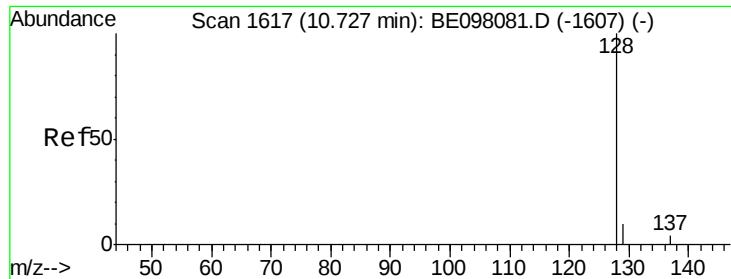
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.115 ng/ul

RT: 10.72 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BE098089.D

Acq: 26 Oct 2018 14:54

Instrument :

BNA_E

ClientSampleId :

C0AD7

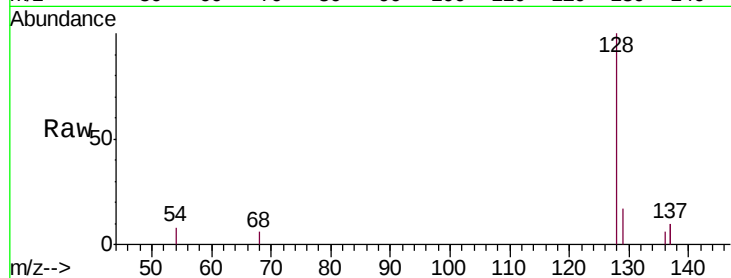
Tgt Ion:128 Resp: 1473

Ion Ratio Lower Upper

128 100

129 17.1 10.5 15.7#

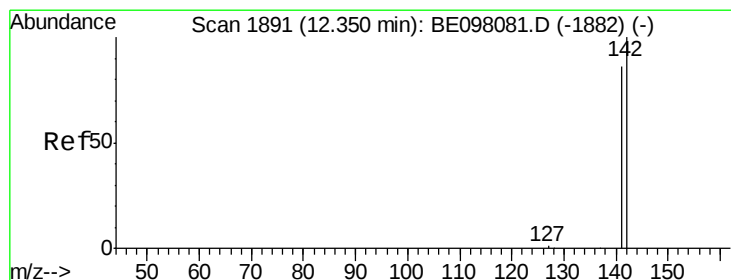
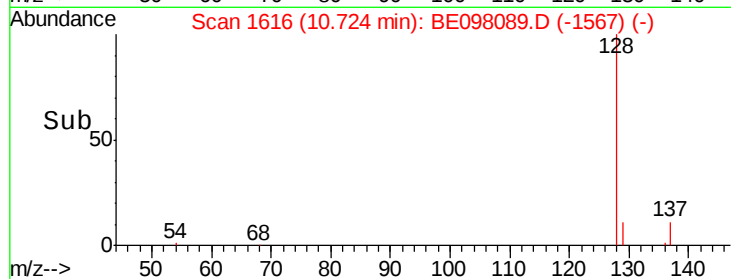
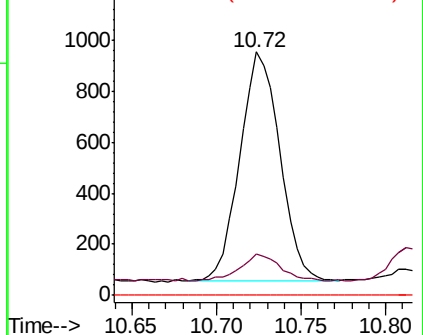
127 0.0 0.0 0.0



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: 0.044 ng/ul

RT: 12.34 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BE098089.D

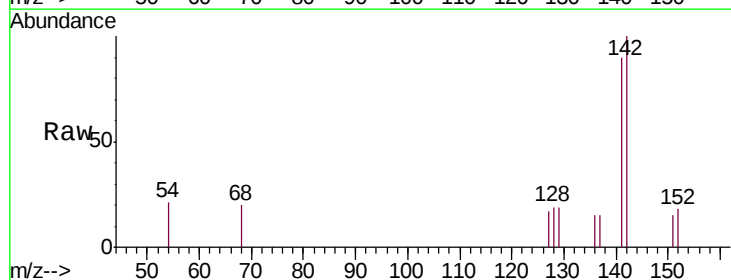
Acq: 26 Oct 2018 14:54

Tgt Ion:142 Resp: 422

Ion Ratio Lower Upper

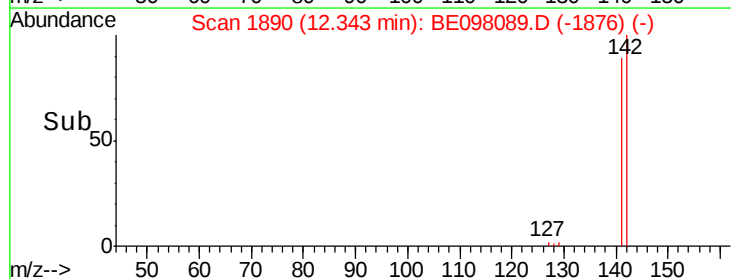
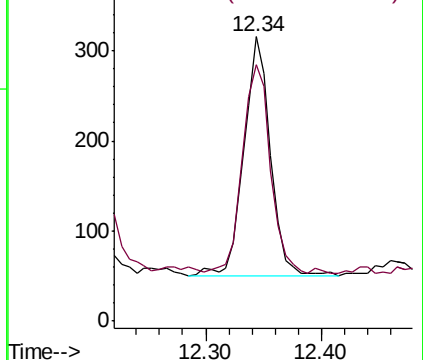
142 100

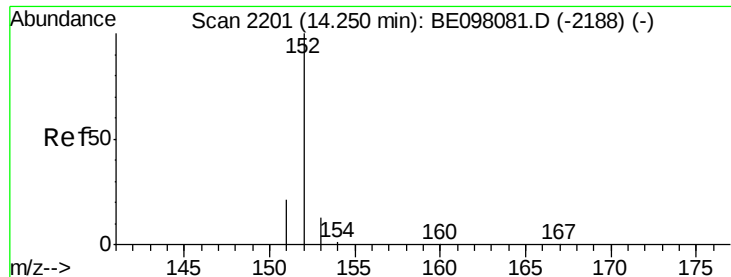
141 92.9 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.787 ng/ul

RT: 14.26 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BE098089.D

Acq: 26 Oct 2018 14:54

Instrument :

BNA_E

ClientSampleId :

C0AD7

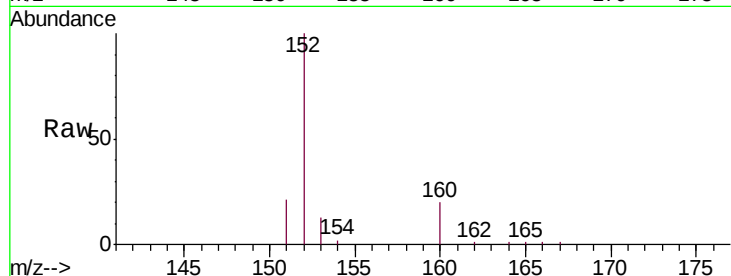
Tgt Ion:152 Resp: 11809

Ion Ratio Lower Upper

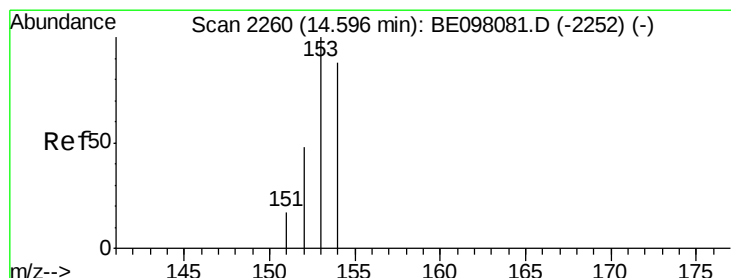
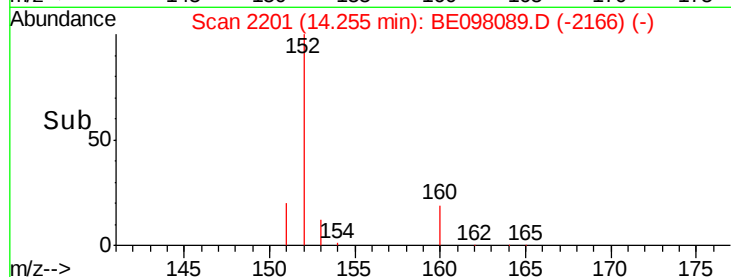
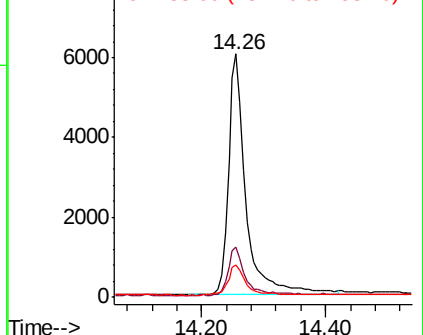
152 100

151 20.5 17.3 25.9

153 13.2 11.9 17.9



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: 0.087 ng/ul

RT: 14.60 min Scan# 2259

Delta R.T. -0.00 min

Lab File: BE098089.D

Acq: 26 Oct 2018 14:54

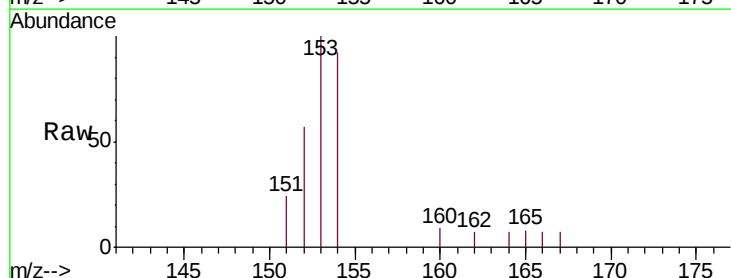
Tgt Ion:153 Resp: 974

Ion Ratio Lower Upper

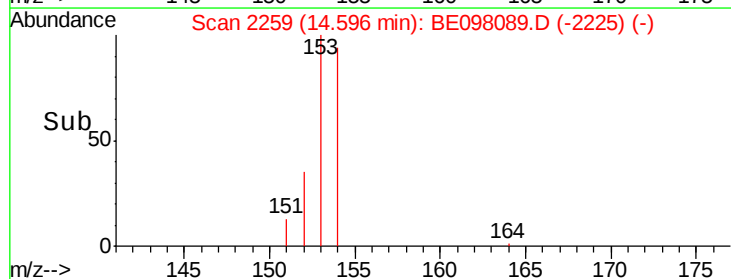
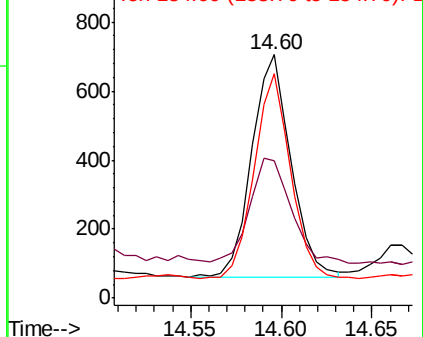
153 100

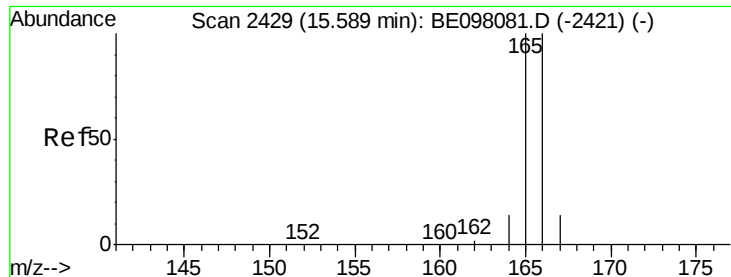
152 56.5 39.4 59.0

154 92.2 70.5 105.7



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: 0.104 ng/ul

RT: 15.59 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BE098089.D

Acq: 26 Oct 2018 14:54

Instrument :

BNA_E

ClientSampleId :

C0AD7

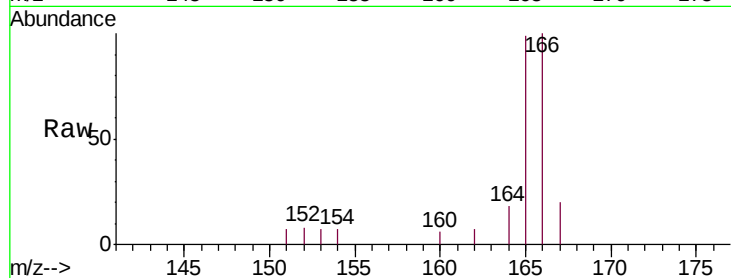
Tgt Ion:166 Resp: 1403

Ion Ratio Lower Upper

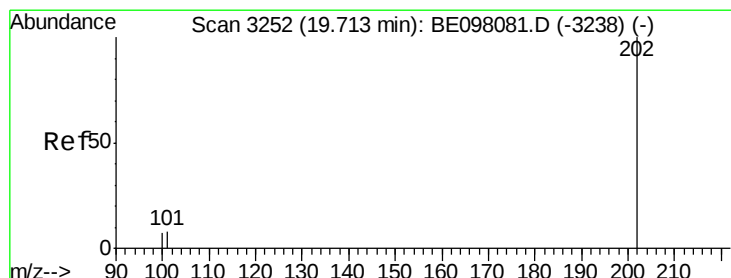
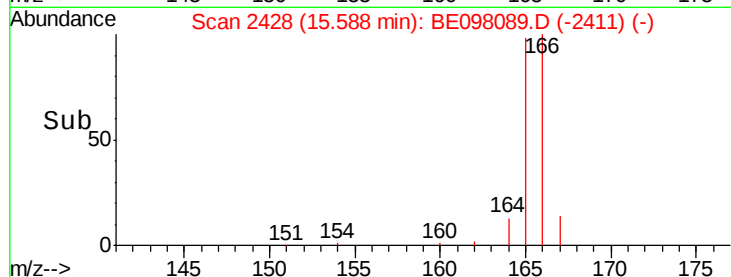
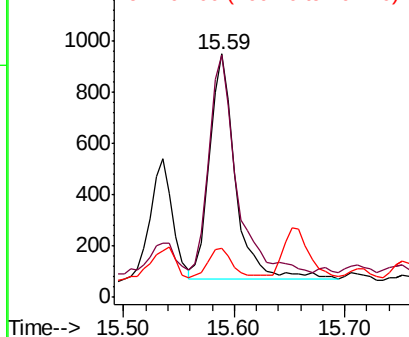
166 100

165 99.4 80.2 120.4

167 19.9 12.0 18.0#



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



#17

Pyrene

Concen: 1776.853 ng/ul

RT: 19.71 min Scan# 3251

Delta R.T. 0.00 min

Lab File: BE098089.D

Acq: 26 Oct 2018 14:54

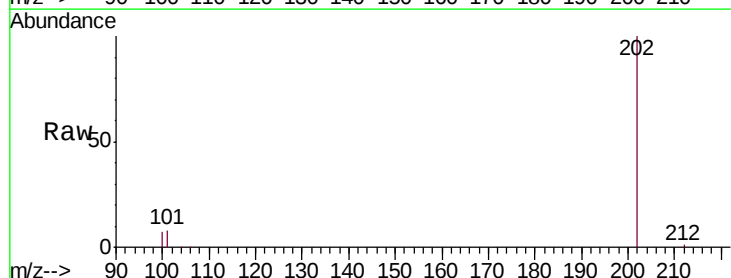
Tgt Ion:202 Resp: 307011

Ion Ratio Lower Upper

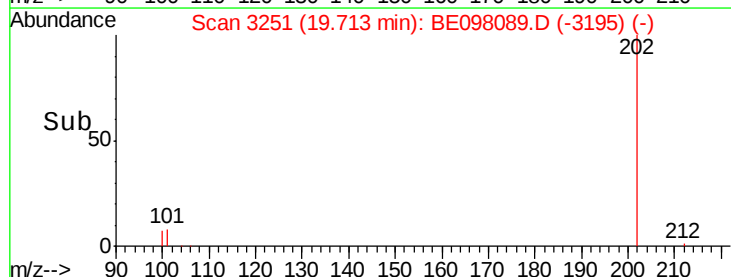
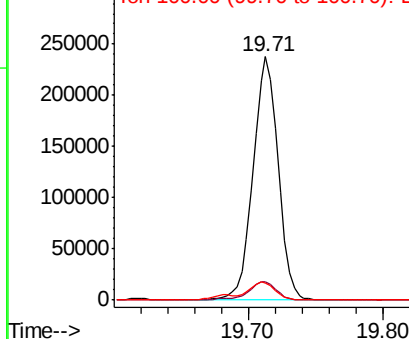
202 100

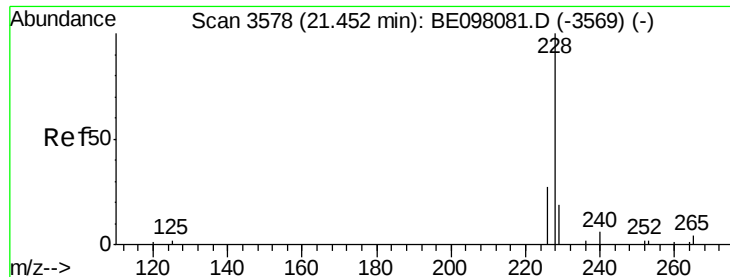
101 7.6 6.9 10.3

100 7.1 6.0 9.0



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: 989.634 ng/ul

RT: 21.51 min Scan# 3585

Delta R.T. 0.06 min

Lab File: BE098089.D

Acq: 26 Oct 2018 14:54

Instrument :

BNA_E

ClientSampleId :

C0AD7

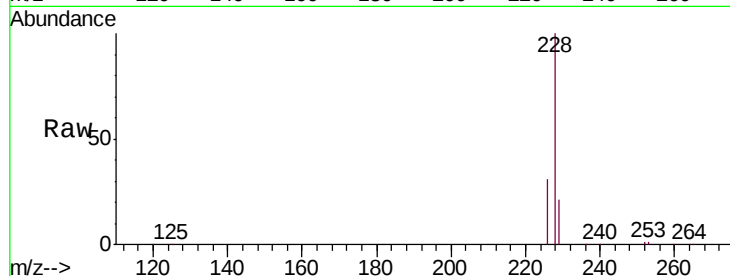
Tgt Ion:228 Resp: 215320

Ion Ratio Lower Upper

228 100

229 21.0 16.1 24.1

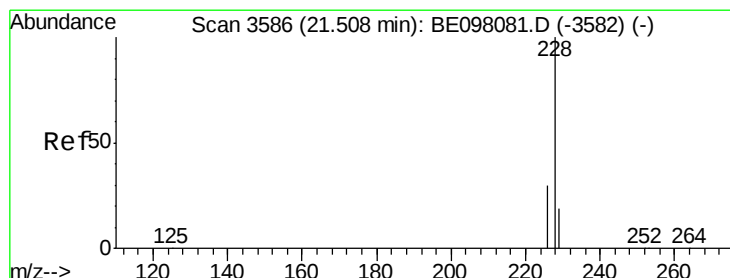
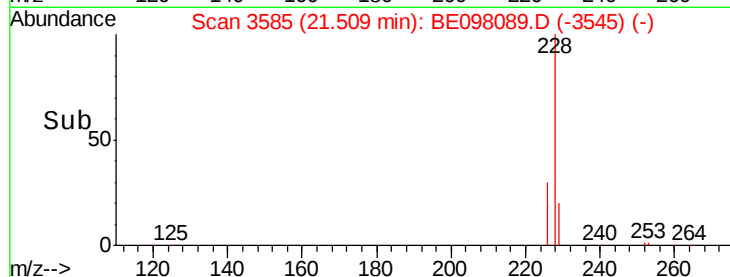
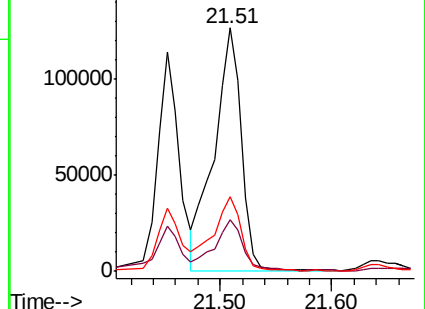
226 30.7 22.2 33.4



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: 1279.326 ng/ul

RT: 21.51 min Scan# 3585

Delta R.T. 0.00 min

Lab File: BE098089.D

Acq: 26 Oct 2018 14:54

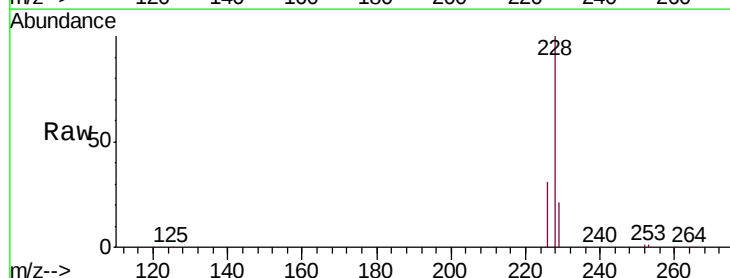
Tgt Ion:228 Resp: 215320

Ion Ratio Lower Upper

228 100

226 30.7 24.6 37.0

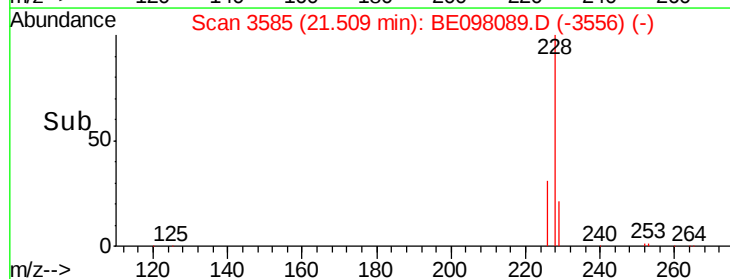
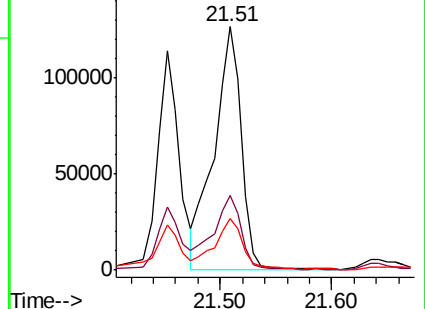
229 21.0 16.4 24.6

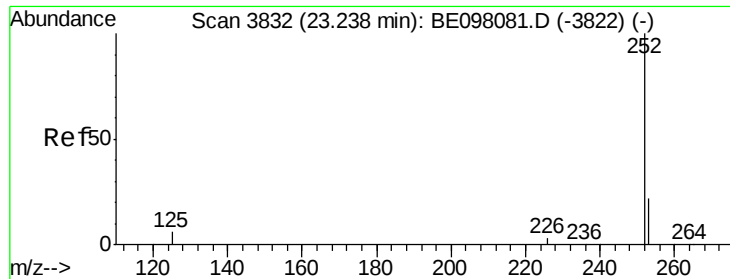


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 12.291 ng/ul

RT: 23.44 min Scan# 3859

Delta R.T. 0.20 min

Lab File: BE098089.D

Acq: 26 Oct 2018 14:54

Instrument :

BNA_E

ClientSampleId :

C0AD7

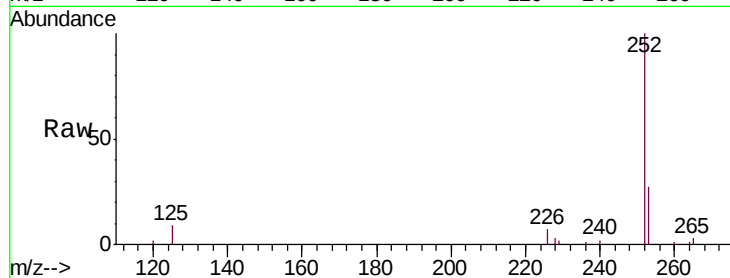
Tgt Ion:252 Resp: 32114

Ion Ratio Lower Upper

252 100

253 27.2 0.0 47.8

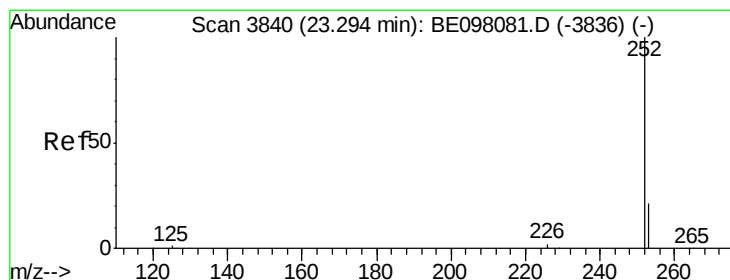
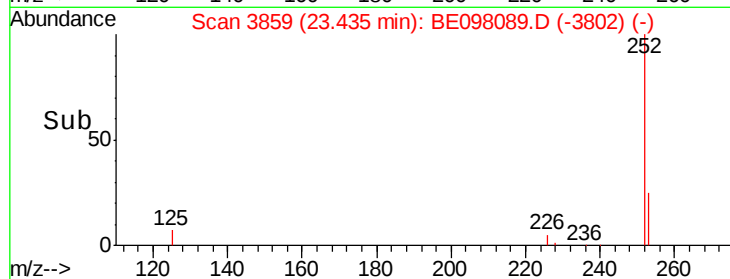
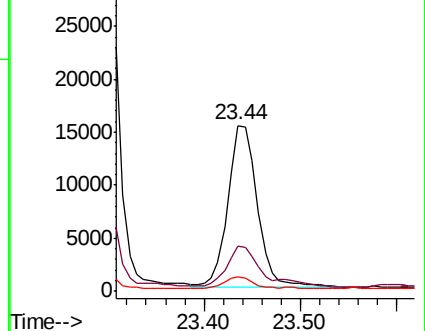
125 9.0 0.0 16.8



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: 12.543 ng/ul

RT: 23.44 min Scan# 3859

Delta R.T. 0.14 min

Lab File: BE098089.D

Acq: 26 Oct 2018 14:54

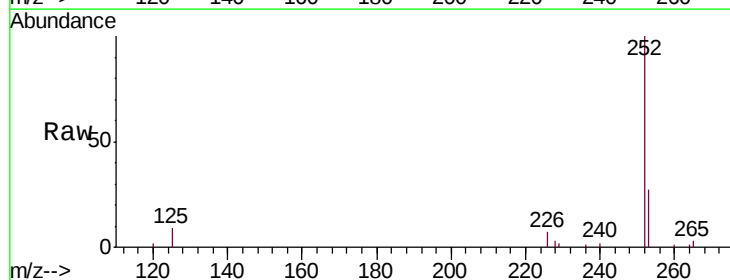
Tgt Ion:252 Resp: 32077

Ion Ratio Lower Upper

252 100

253 27.2 19.3 28.9

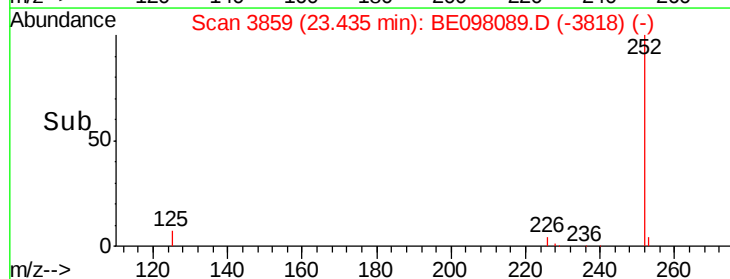
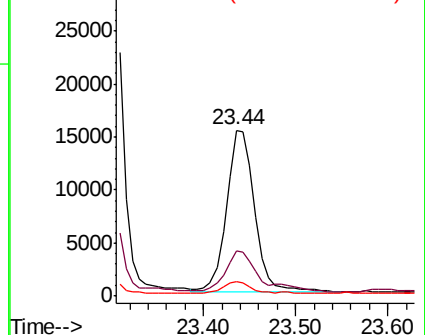
125 9.0 6.2 9.2

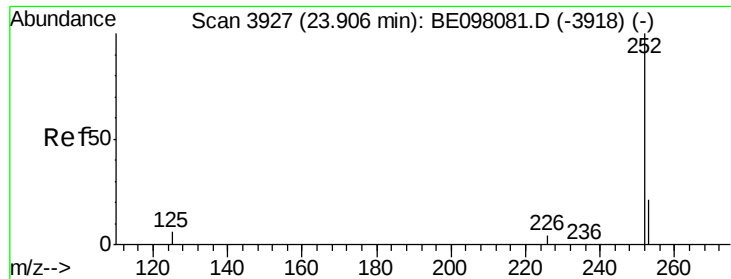


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 10.819 ng/ul

RT: 24.08 min Scan# 3951

Delta R.T. 0.18 min

Lab File: BE098089.D

Acq: 26 Oct 2018 14:54

Instrument :

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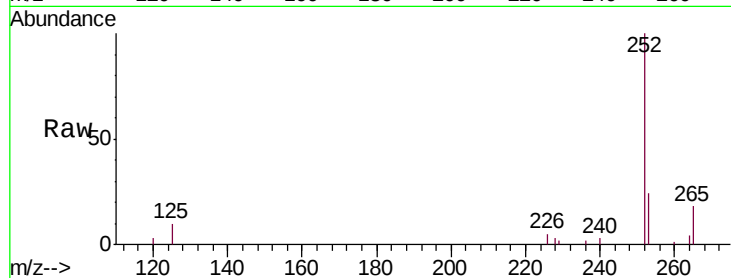
Tgt Ion:252 Resp: 27187

Ion Ratio Lower Upper

252 100

253 24.1 19.4 29.2

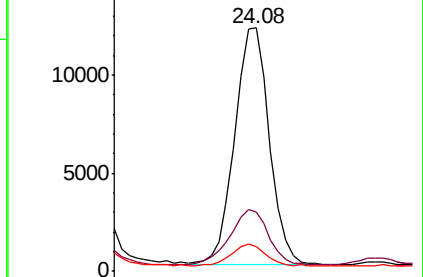
125 9.9 7.8 11.8



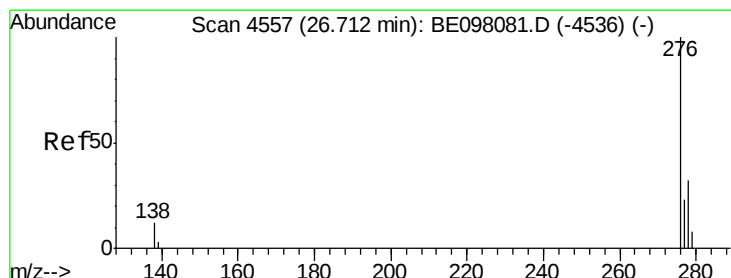
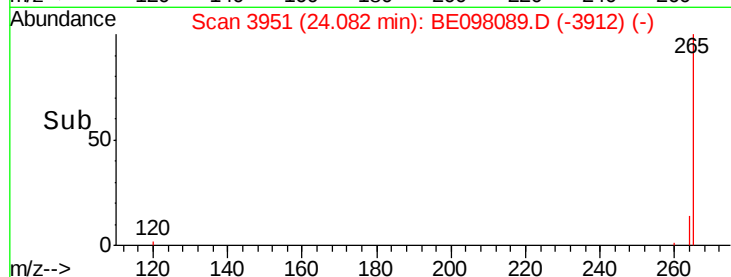
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#24

Indeno(1,2,3-cd)pyrene

Concen: 32.491 ng/ul

RT: 26.72 min Scan# 4557

Delta R.T. 0.00 min

Lab File: BE098089.D

Acq: 26 Oct 2018 14:54

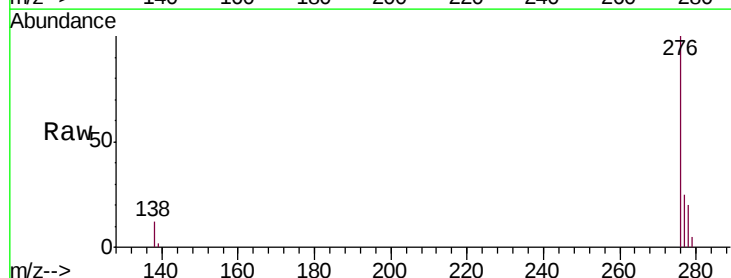
Tgt Ion:276 Resp: 93557

Ion Ratio Lower Upper

276 100

138 11.9 11.8 17.8

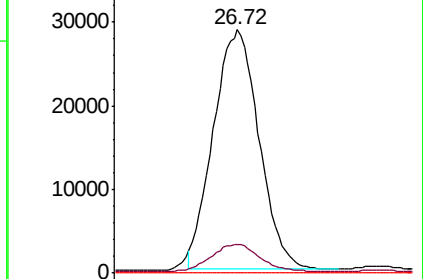
227 0.0 0.0 0.0



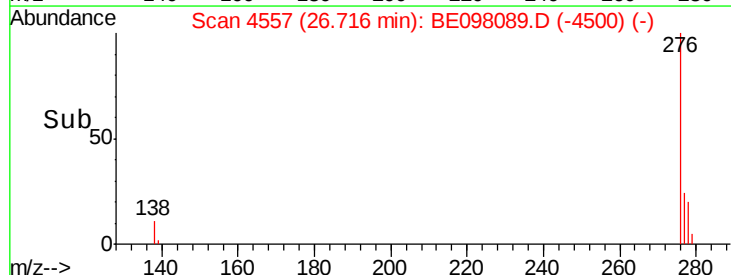
Abundance Ion 276.00 (275.70 to 276.70): E

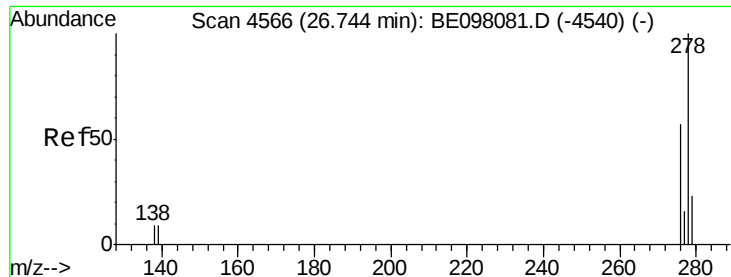
Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



Time-->





#25

Dibenzo(a,h)anthracene

Concen: 5.051 ng/ul

RT: 27.04 min Scan# 4649

Delta R.T. 0.30 min

Lab File: BE098089.D

Acq: 26 Oct 2018 14:54

Instrument :

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C0AD7

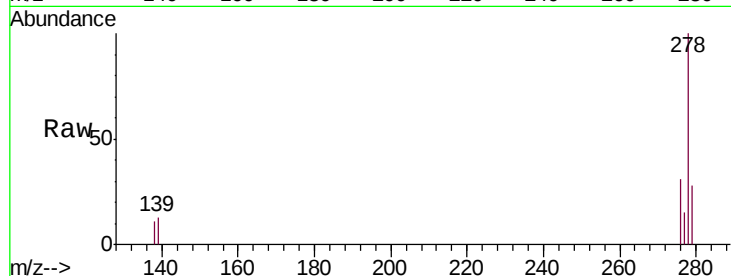
Tgt Ion:278 Resp: 12122

Ion Ratio Lower Upper

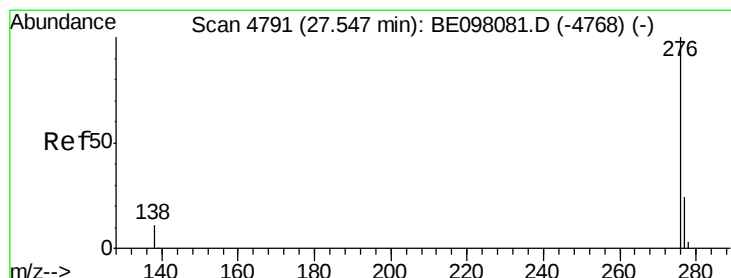
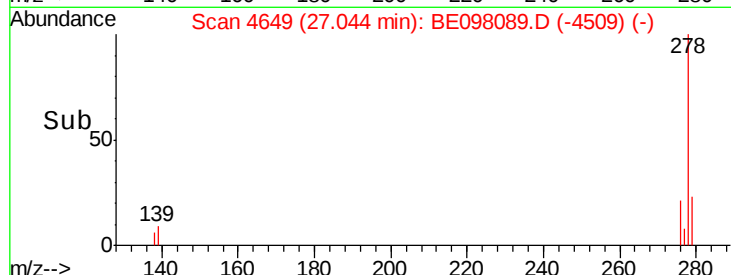
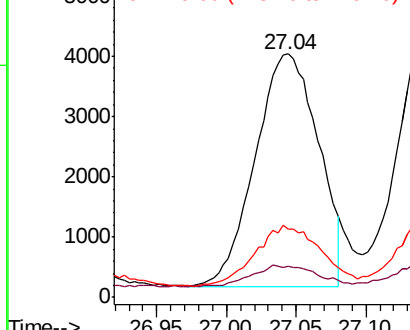
278 100

139 12.6 10.0 15.0

279 28.2 20.3 30.5



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: 27.085 ng/ul

RT: 27.55 min Scan# 4790

Delta R.T. 0.00 min

Lab File: BE098089.D

Acq: 26 Oct 2018 14:54

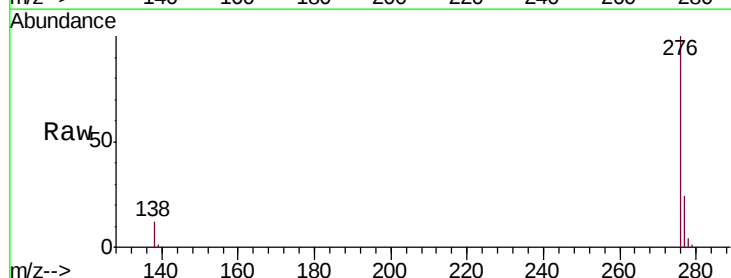
Tgt Ion:276 Resp: 65657

Ion Ratio Lower Upper

276 100

138 12.2 11.6 17.4

277 24.4 20.8 31.2



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

