

Data File : BE098114.D
Acq On : 31 Oct 2018 12:39
Operator : SJ/JU
Sample : J5635-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A40C5

Quant Time: Nov 01 01:44:39 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 : Thu Nov 01 01:42:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	933	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	4842	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	3345	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.29	188	7907	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	10450	0.40	ng/ul	0.00
20) Perylene-d12	24.02	264	8942	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	1930	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.32	212	6779	0.26	ng/ul	0.00

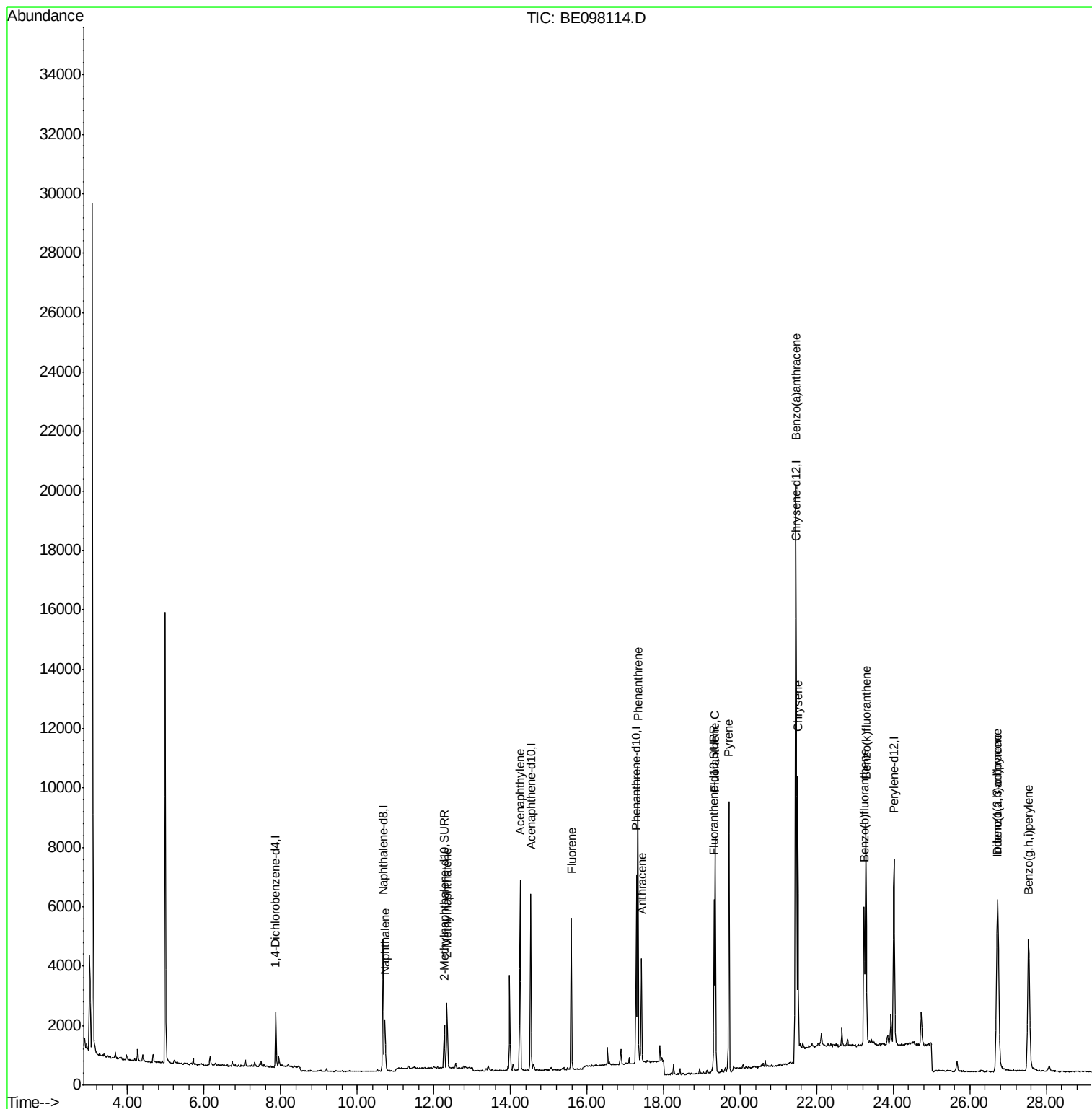
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.73	128	2582	0.223	ng/ul	97
5) 2-Methylnaphthalene	12.34	142	1933	0.221	ng/ul	99
7) Acenaphthylene	14.25	152	7222	0.547	ng/ul	98
9) Fluorene	15.59	166	3321	0.280	ng/ul	99
12) Phenanthrene	17.33	178	10634	0.583	ng/ul	99
13) Anthracene	17.42	178	3816	0.212	ng/ul	98
15) Fluoranthene	19.35	202	9246	0.397	ng/ul	95
17) Pyrene	19.71	202	12010	0.492	ng/ul	99
18) Benzo(a)anthracene	21.45	228	19817	0.645	ng/ul	98
19) Chrysene	21.51	228	8628	0.363	ng/ul	99
21) Benzo(b)fluoranthene	23.23	252	6890	0.278	ng/ul	94
22) Benzo(k)fluoranthene	23.29	252	10731	0.442	ng/ul#	98
24) Indeno(1,2,3-cd)pyrene	26.72	276	9304	0.341	ng/ul#	90
25) Dibenzo(a,h)anthracene	26.74	278	8658	0.380	ng/ul#	95
26) Benzo(g,h,i)perylene	27.54	276	12214	0.531	ng/ul	98

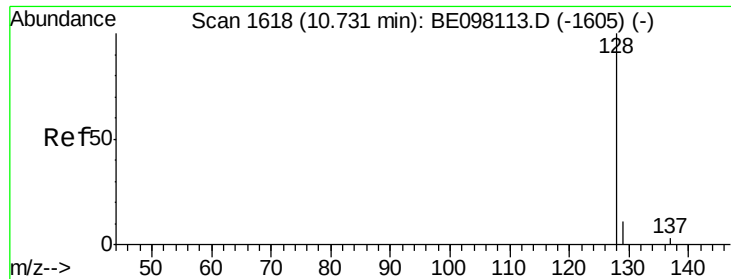
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.223 ng/ul

RT: 10.73 min Scan# 1618

Delta R.T. -0.00 min

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Acq: 31 Oct 2018 12:39

Instrument :

BNA_E

ClientSampleId :

A40C5

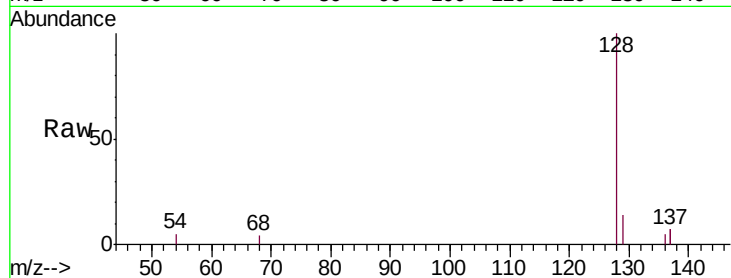
Tgt Ion:128 Resp: 2582

Ion Ratio Lower Upper

128 100

129 14.2 10.5 15.7

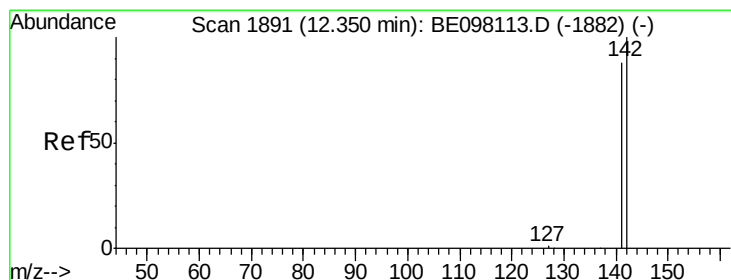
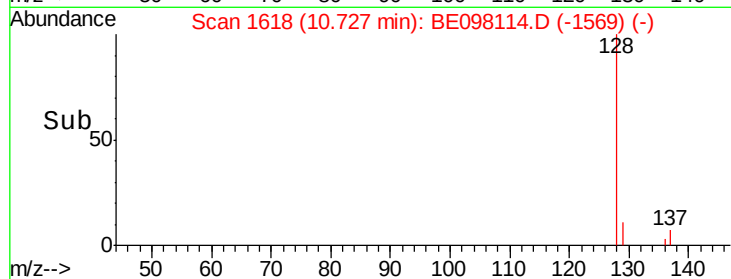
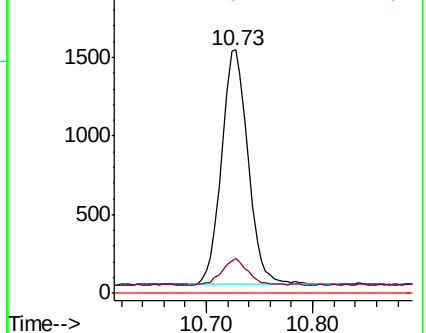
127 0.0 0.0 0.0



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: 0.221 ng/ul

RT: 12.34 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BE098114.D

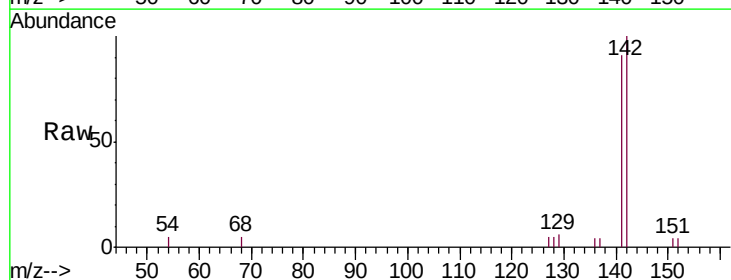
Acq: 31 Oct 2018 12:39

Tgt Ion:142 Resp: 1933

Ion Ratio Lower Upper

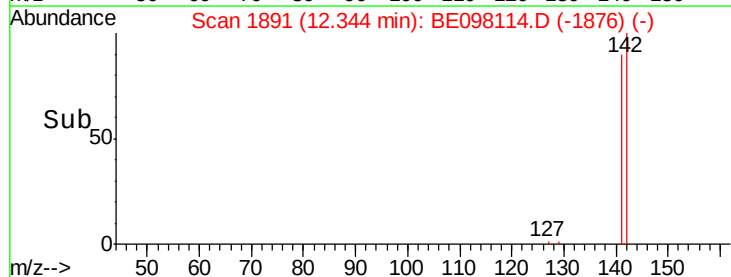
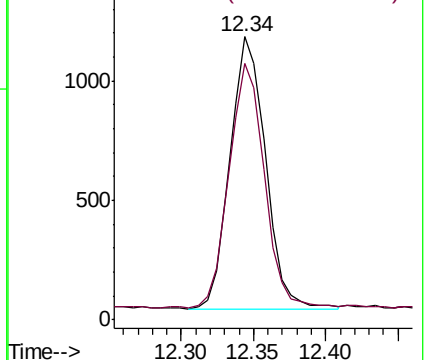
142 100

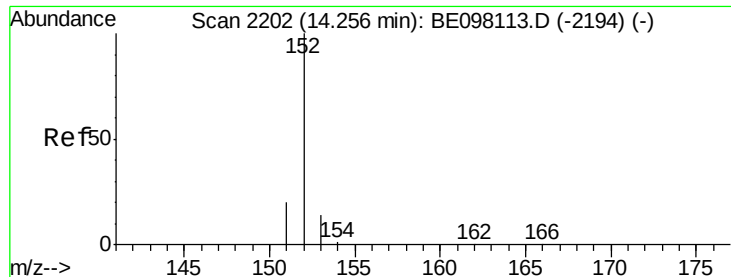
141 89.3 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.547 ng/ul

RT: 14.25 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BE098114.D

Acq: 31 Oct 2018 12:39

Instrument :

BNA_E

ClientSampleId :

A40C5

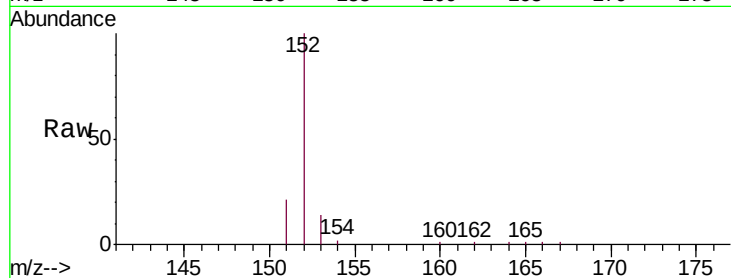
Tgt Ion:152 Resp: 7222

Ion Ratio Lower Upper

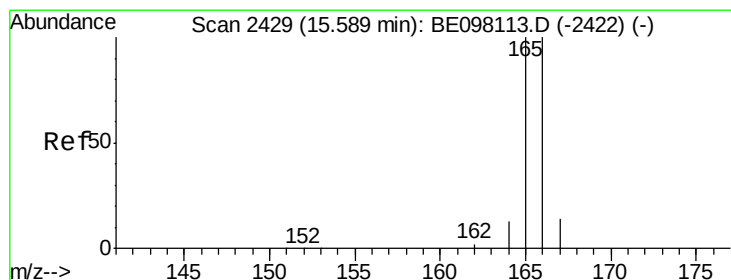
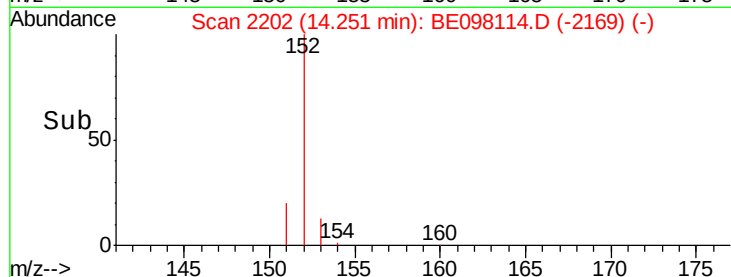
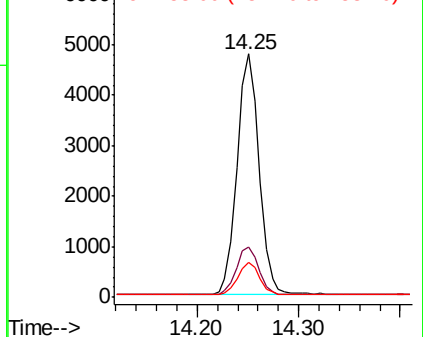
152 100

151 20.9 17.3 25.9

153 14.1 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



#9

Fluorene

Concen: 0.280 ng/ul

RT: 15.59 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BE098114.D

Acq: 31 Oct 2018 12:39

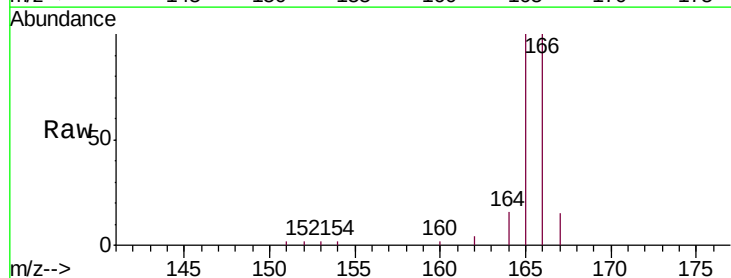
Tgt Ion:166 Resp: 3321

Ion Ratio Lower Upper

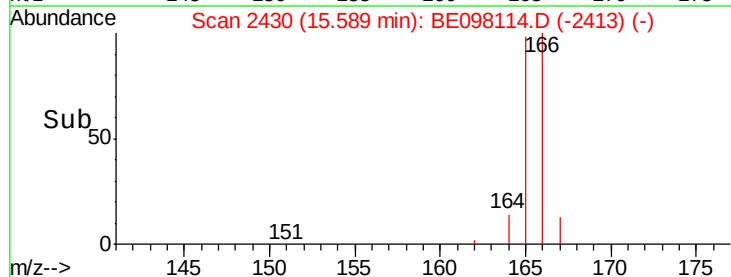
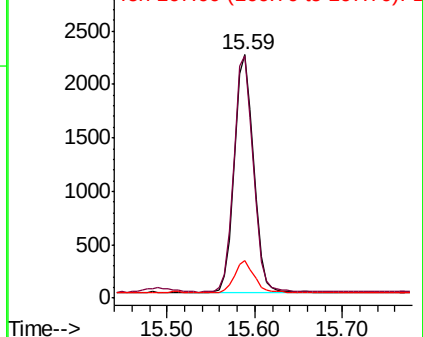
166 100

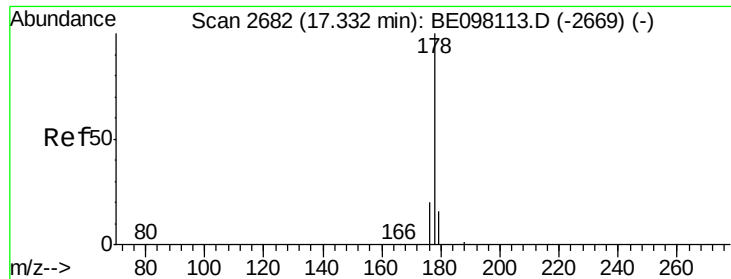
165 99.7 80.2 120.4

167 15.3 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





#12

Phenanthrene

Concen: 0.583 ng/ul

RT: 17.33 min Scan# 2683

Delta R.T. -0.00 min

Lab File: BE098114.D

Acq: 31 Oct 2018 12:39

Instrument :

BNA_E

ClientSampleId :

A40C5

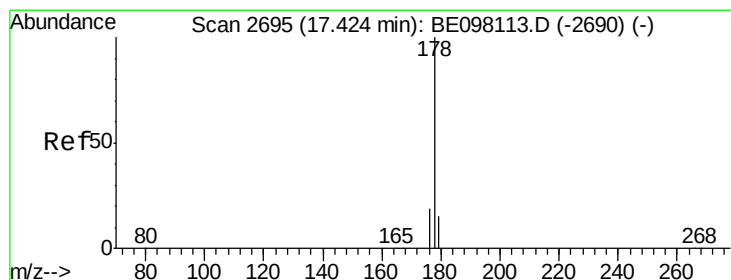
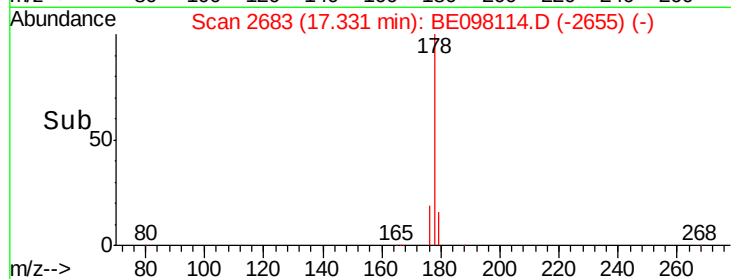
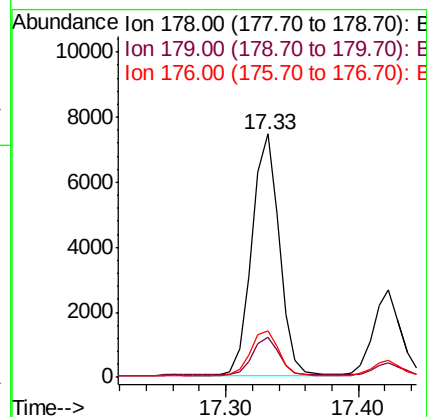
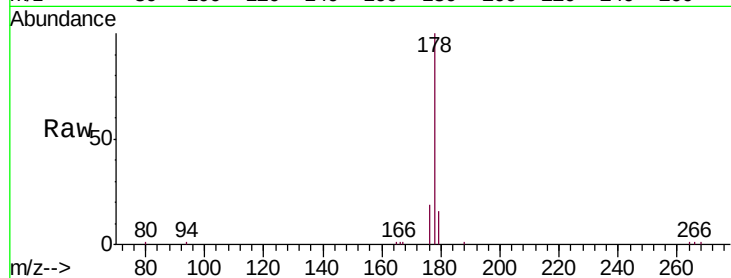
Tgt Ion:178 Resp: 10634

Ion Ratio Lower Upper

178 100

179 16.4 13.0 19.4

176 19.2 15.7 23.5



#13

Anthracene

Concen: 0.212 ng/ul

RT: 17.42 min Scan# 2696

Delta R.T. -0.00 min

Lab File: BE098114.D

Acq: 31 Oct 2018 12:39

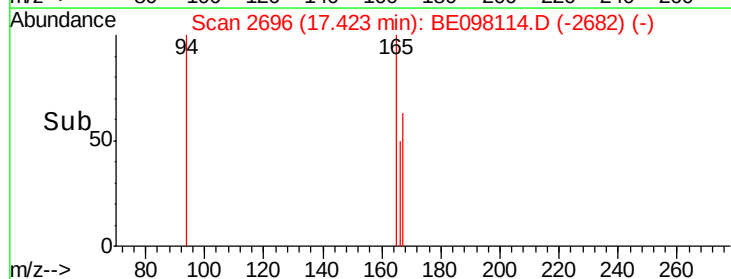
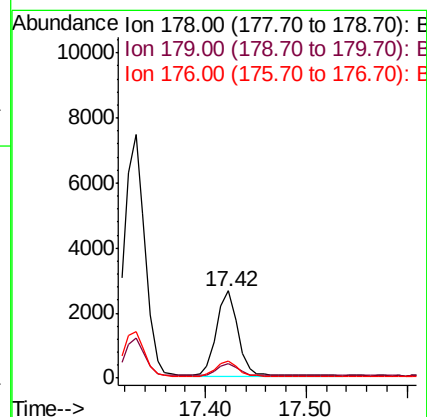
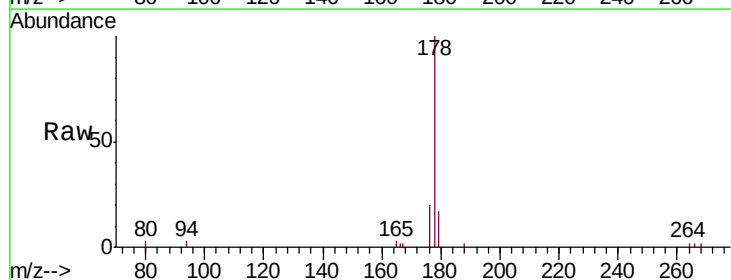
Tgt Ion:178 Resp: 3816

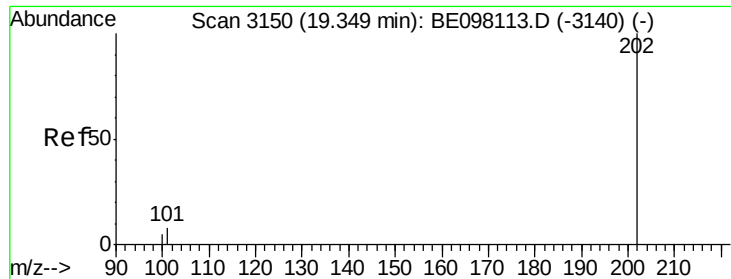
Ion Ratio Lower Upper

178 100

179 17.2 12.6 19.0

176 20.1 15.6 23.4





#15

Fluoranthene

Concen: 0.397 ng/ul

RT: 19.35 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BE098114.D

Acq: 31 Oct 2018 12:39

Instrument :

BNA_E

ClientSampleId :

A40C5

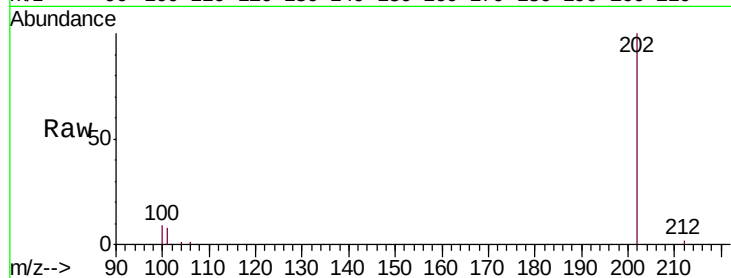
Tgt Ion:202 Resp: 9246

Ion Ratio Lower Upper

202 100

101 8.4 0.0 27.5

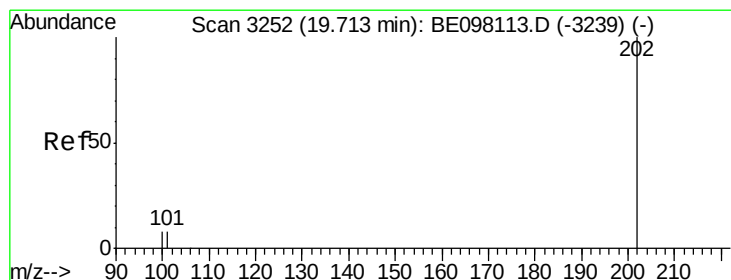
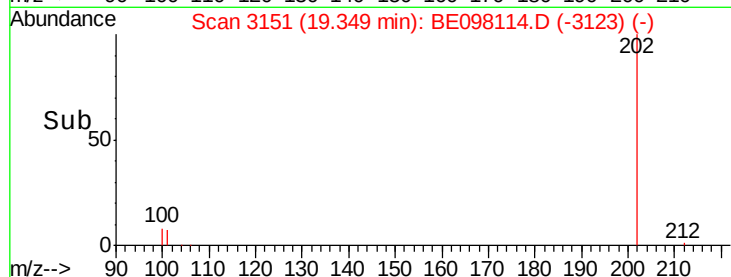
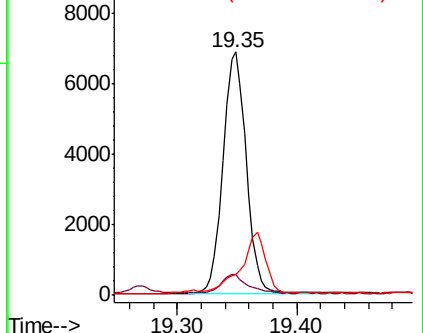
100 8.5 0.0 26.0



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): BE



#17

Pyrene

Concen: 0.492 ng/ul

RT: 19.71 min Scan# 3252

Delta R.T. -0.00 min

Lab File: BE098114.D

Acq: 31 Oct 2018 12:39

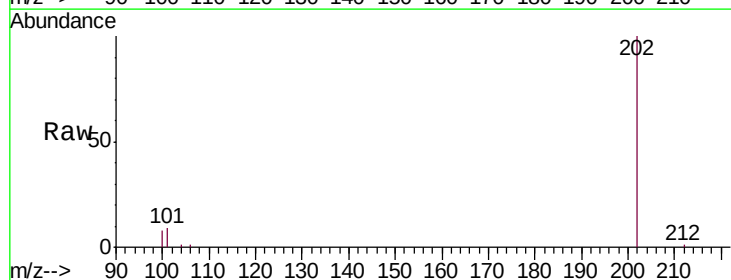
Tgt Ion:202 Resp: 12010

Ion Ratio Lower Upper

202 100

101 8.9 6.9 10.3

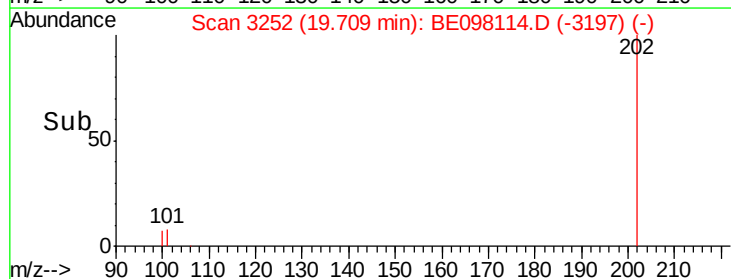
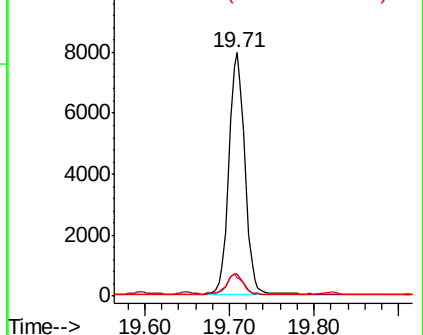
100 7.6 6.0 9.0

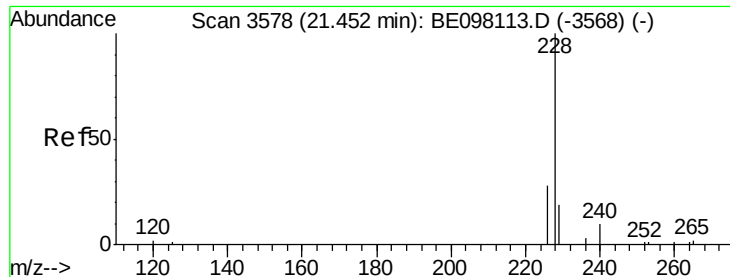


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.645 ng/ul

RT: 21.45 min Scan# 3579

Delta R.T. 0.00 min

Lab File: BE098114.D

Acq: 31 Oct 2018 12:39

Instrument :

BNA_E

ClientSampleId :

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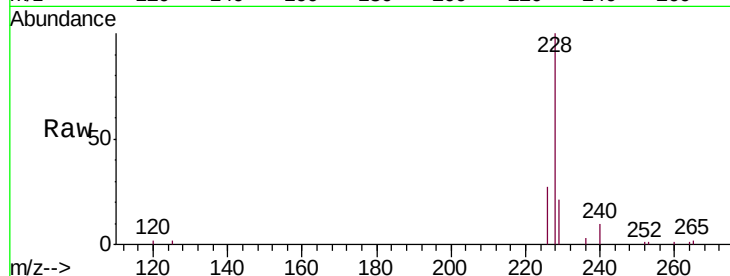
Tgt Ion:228 Resp: 19817

Ion Ratio Lower Upper

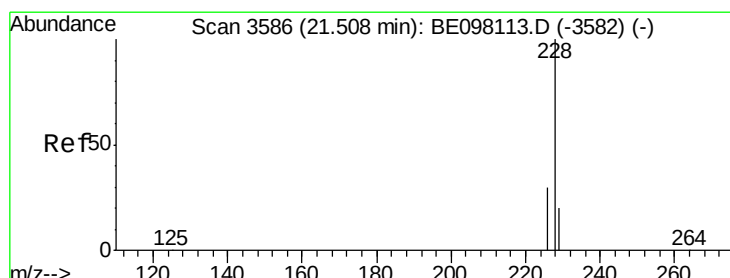
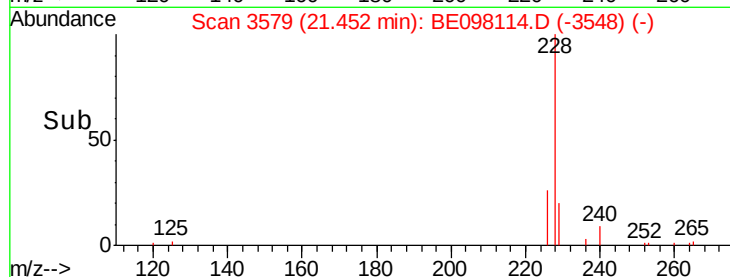
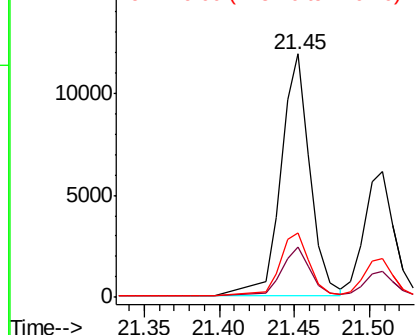
228 100

229 20.5 16.1 24.1

226 26.7 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: 0.363 ng/ul

RT: 21.51 min Scan# 3587

Delta R.T. 0.00 min

Lab File: BE098114.D

Acq: 31 Oct 2018 12:39

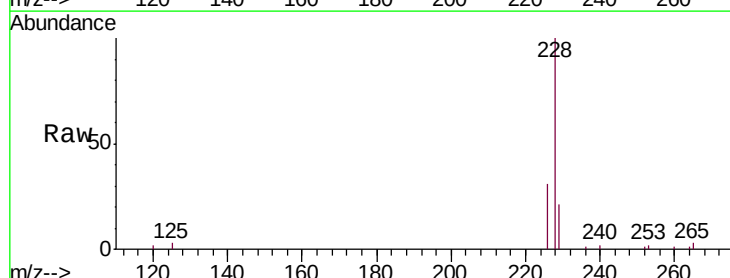
Tgt Ion:228 Resp: 8628

Ion Ratio Lower Upper

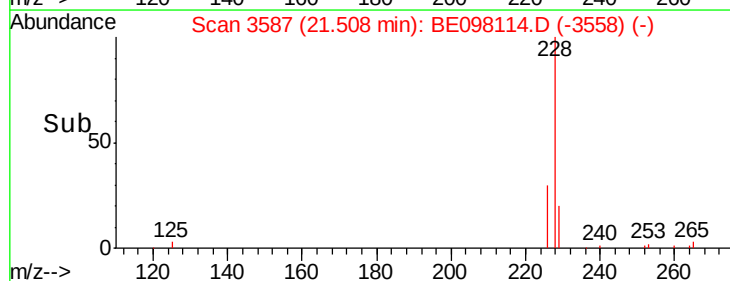
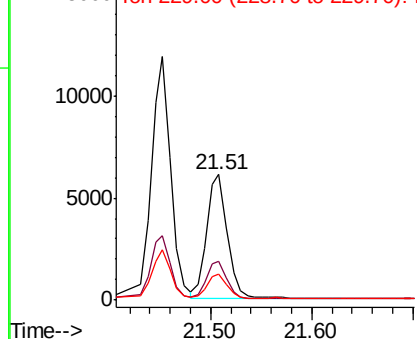
228 100

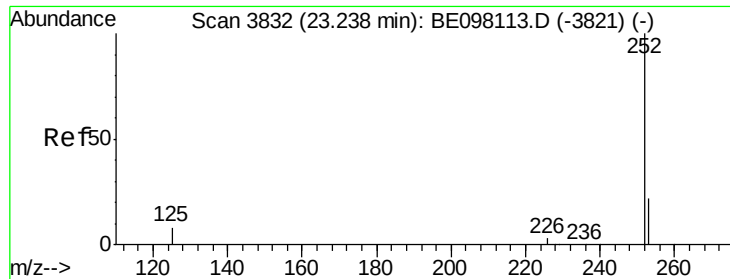
226 30.6 24.6 37.0

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: 0.278 ng/ul

RT: 23.23 min Scan# 3832

Delta R.T. -0.01 min

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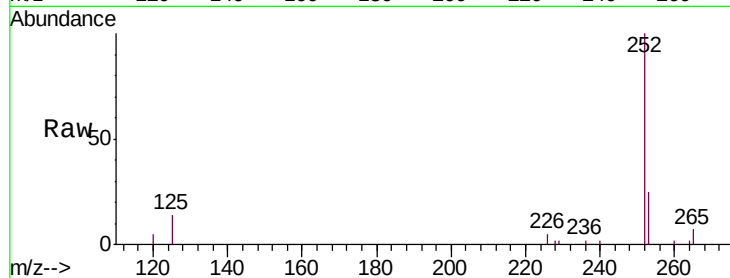
Tgt Ion:252 Resp: 6890

Ion Ratio Lower Upper

252 100

253 25.4 0.0 47.8

125 13.6 0.0 16.8

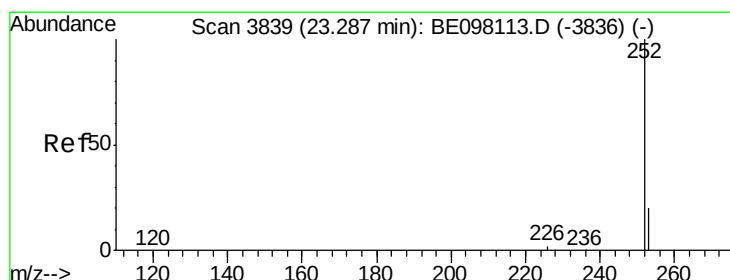
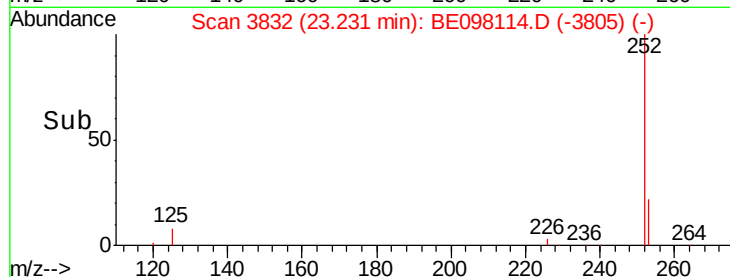
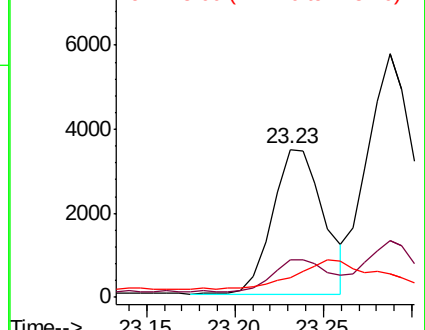


Abundance

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: 0.442 ng/ul

RT: 23.29 min Scan# 3840

Delta R.T. 0.00 min

Lab File: BE098114.D

Acq: 31 Oct 2018 12:39

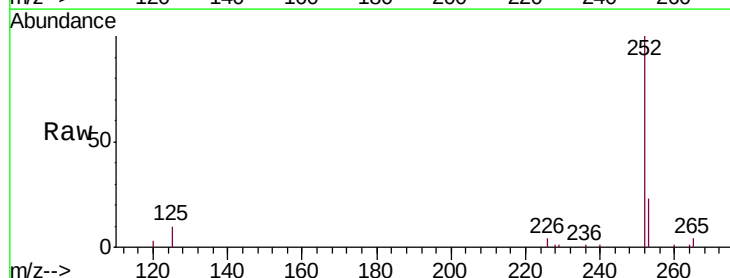
Tgt Ion:252 Resp: 10731

Ion Ratio Lower Upper

252 100

253 23.4 19.3 28.9

125 9.7 6.2 9.2#

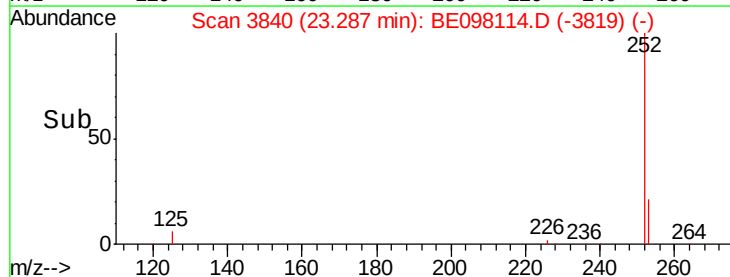
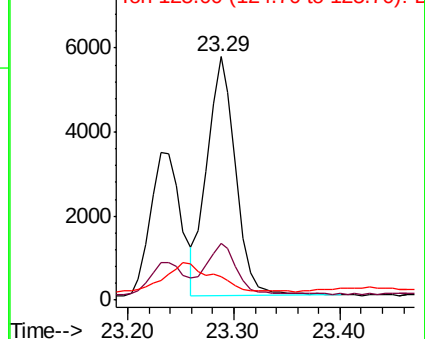


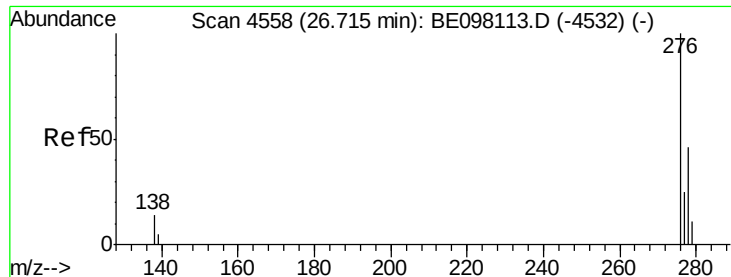
Abundance

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





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.341 ng/ul

RT: 26.72 min Scan# 4559

Delta R.T. 0.00 min

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Instrument :

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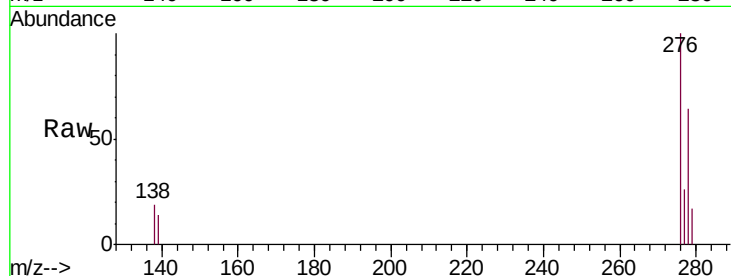
Tgt Ion:276 Resp: 9304

Ion Ratio Lower Upper

276 100

138 19.0 11.8 17.8#

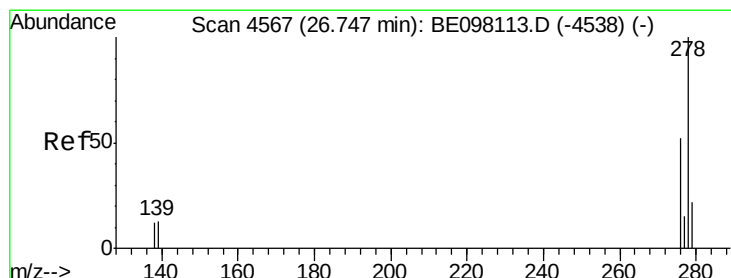
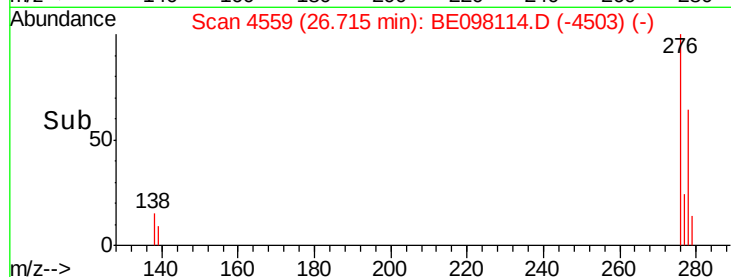
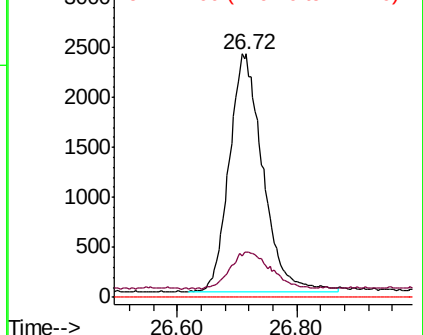
227 0.0 0.0 0.0



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



#25

Dibenzo(a,h)anthracene

Concen: 0.380 ng/ul

RT: 26.74 min Scan# 4565

Delta R.T. -0.01 min

Lab File: BE098114.D

Acq: 31 Oct 2018 12:39

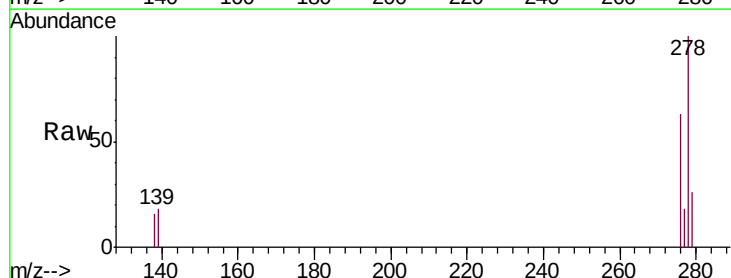
Tgt Ion:278 Resp: 8658

Ion Ratio Lower Upper

278 100

139 17.7 10.0 15.0#

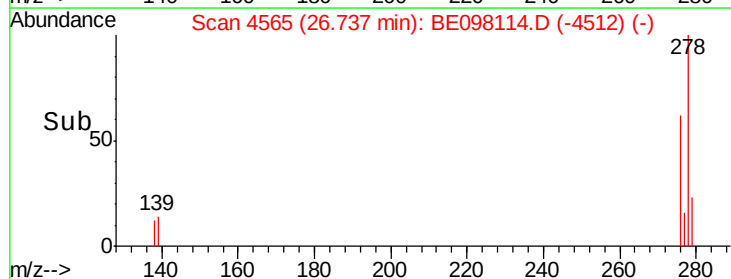
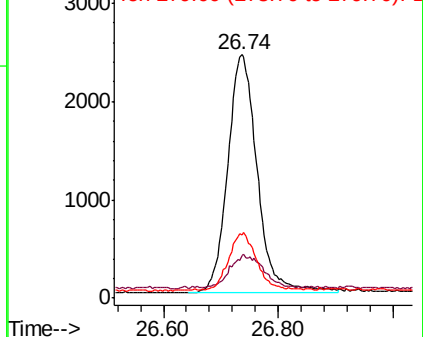
279 25.8 20.3 30.5

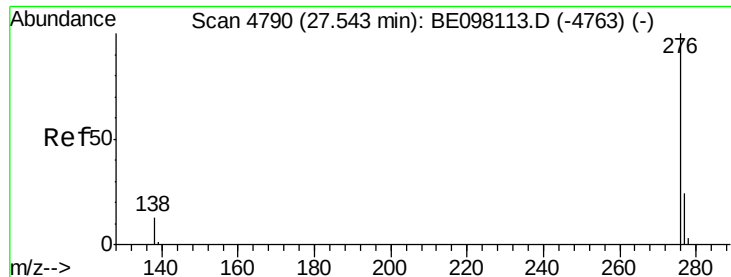


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.531 ng/ul

RT: 27.54 min Scan# 4789

Delta R.T. -0.01 min

Lab File: BE098114.D

Acq: 31 Oct 2018 12:39

Instrument :

BNA_E

ClientSampleId :

A40C5

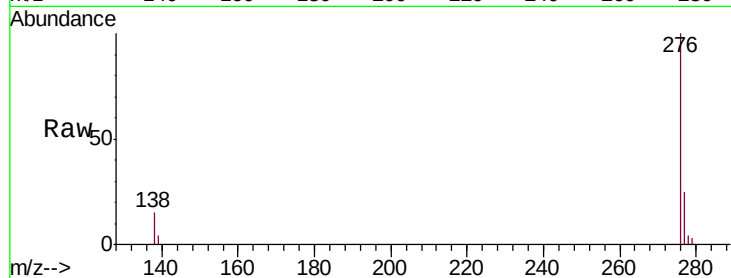
Tgt Ion: 276 Resp: 12214

Ion Ratio Lower Upper

276 100

138 15.2 11.6 17.4

277 24.6 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

