

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE103118\
 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

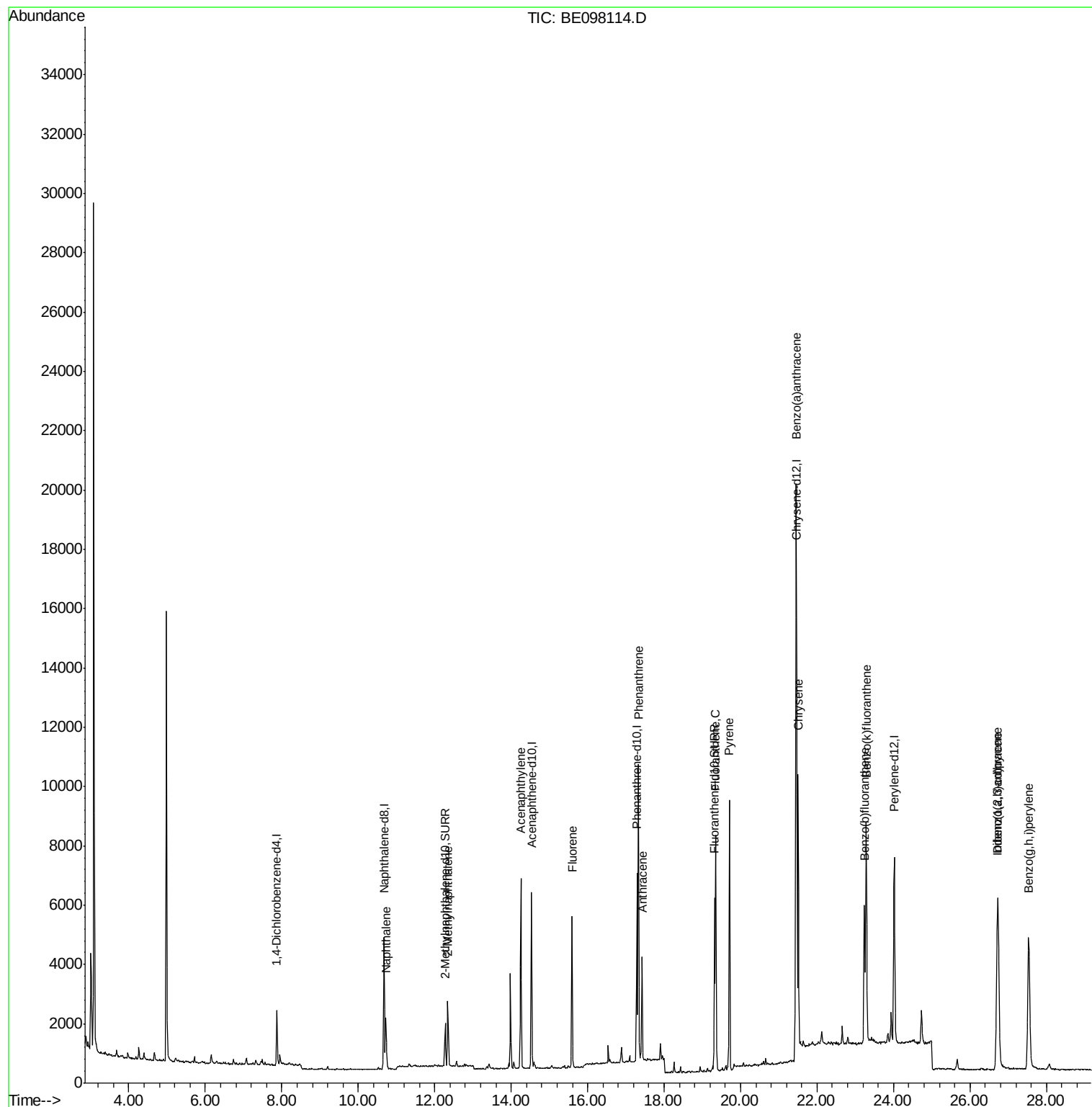
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	933	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	4842	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	3345	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.29	188	7907	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	10450	0.40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

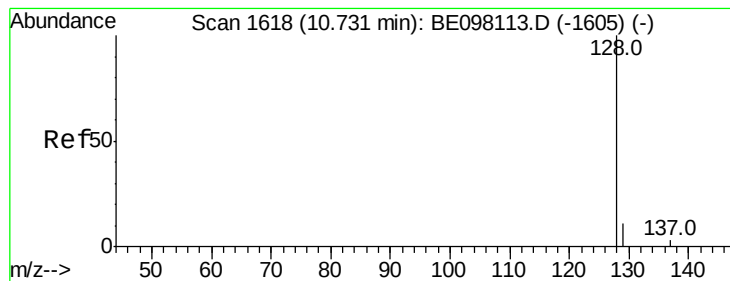
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.223 ng/ul

RT: 10.73 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BE098114.D

Acq: 31 Oct 2018 12:39

Instrument :

BNA_E

ClientSampleId :

A40C5

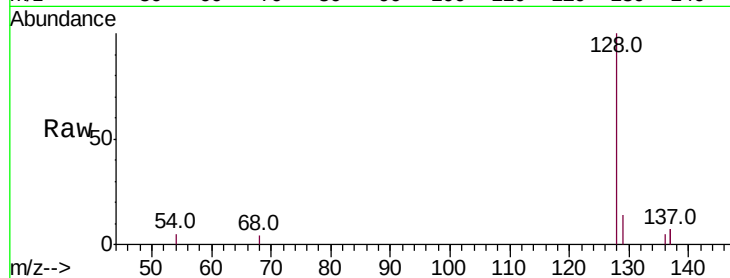
Tot Ion:128 Resp: 2582

Ion Ratio Lower Upper

128 100

129 14.2 10.5 15.7

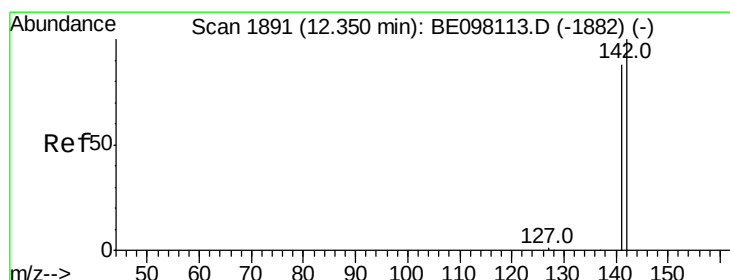
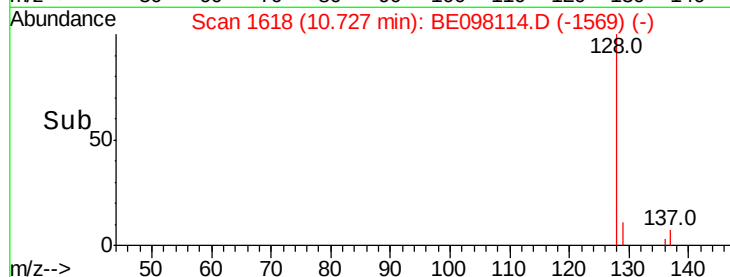
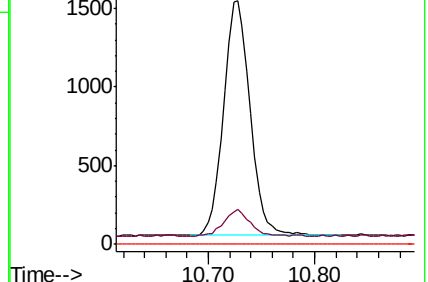
127 0.0 0.0 0.0



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

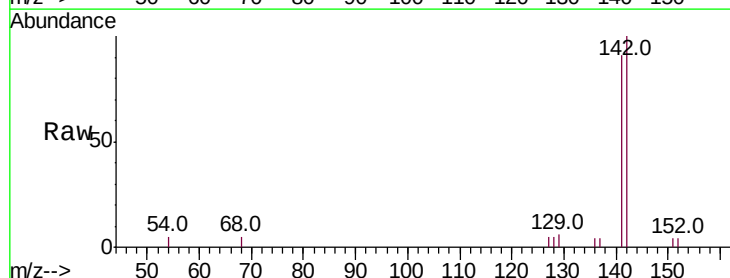
Acq: 31 Oct 2018 12:39

Tgt Ion:142 Resp: 1933

Ion Ratio Lower Upper

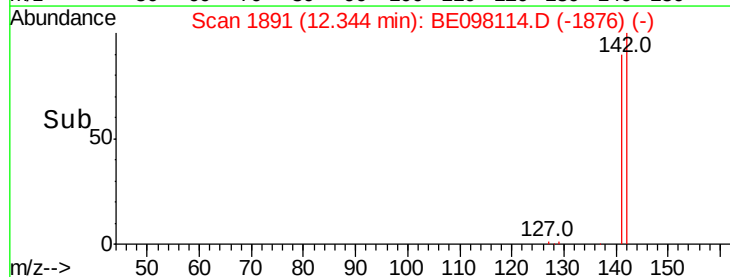
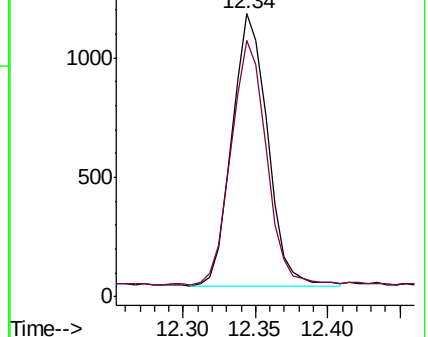
142 100

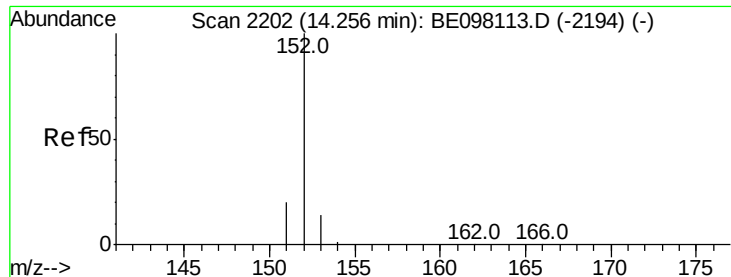
141 89.3 72.5 108.7



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

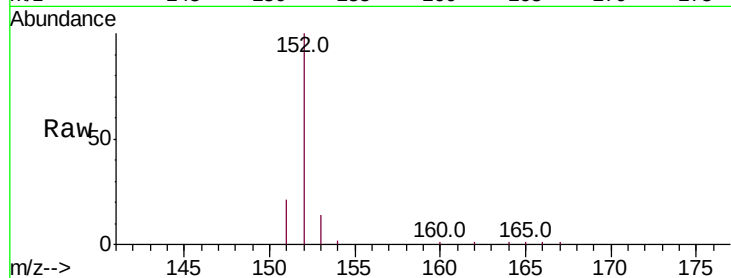
Tot Ion:152 Resp: 7222

Ion Ratio Lower Upper

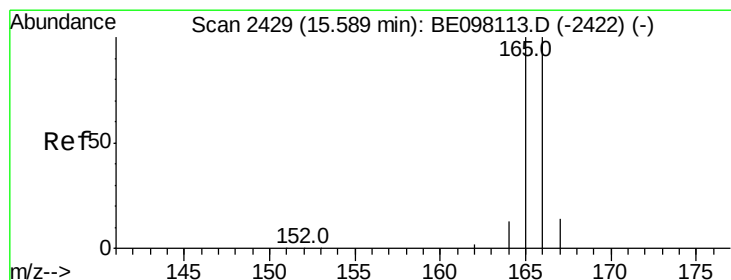
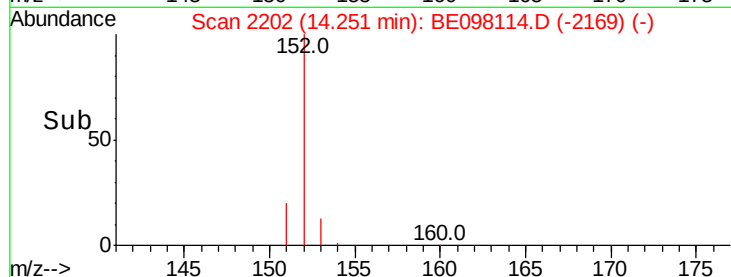
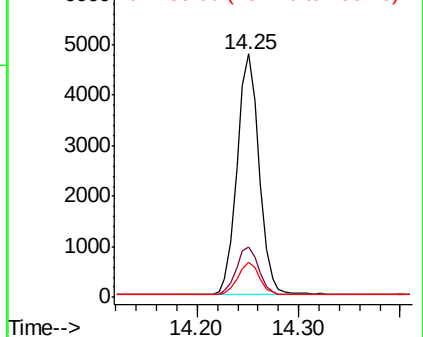
152 100

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

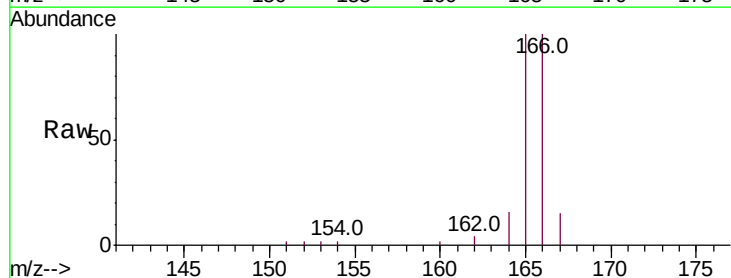
Tgt Ion:166 Resp: 3321

Ion Ratio Lower Upper

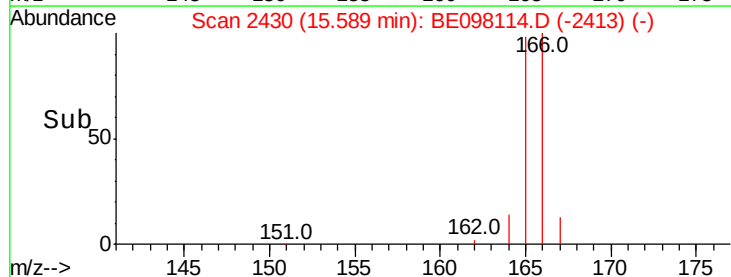
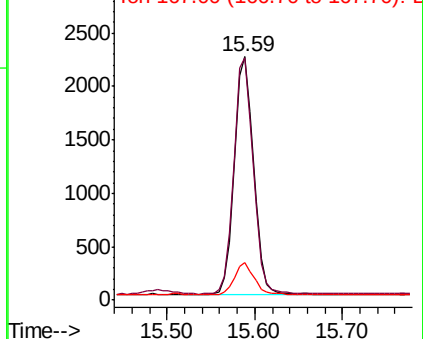
166 100

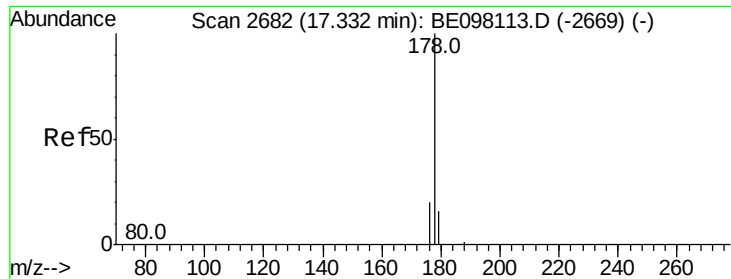
165 99.7 80.2 120.4

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

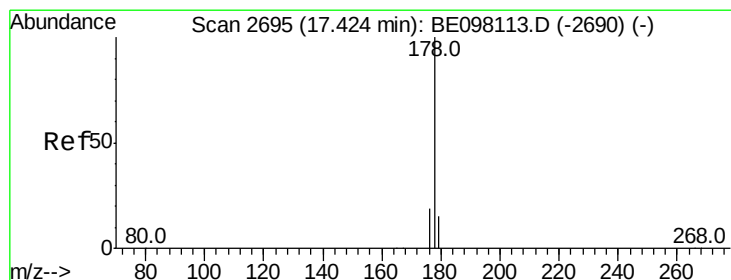
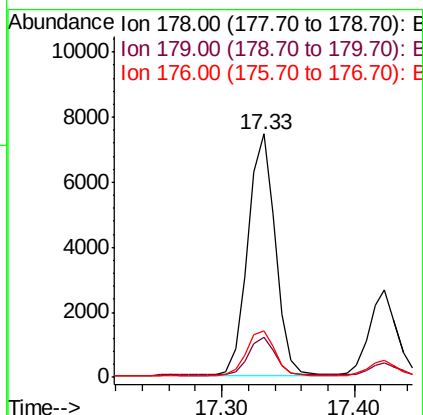
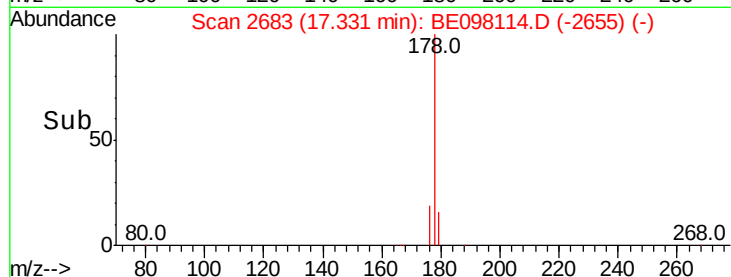
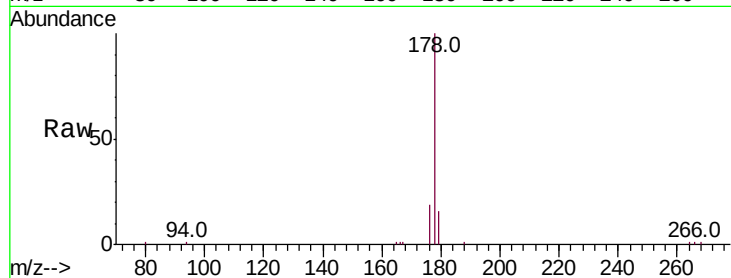
Tot Ion:178 Resp: 10634

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

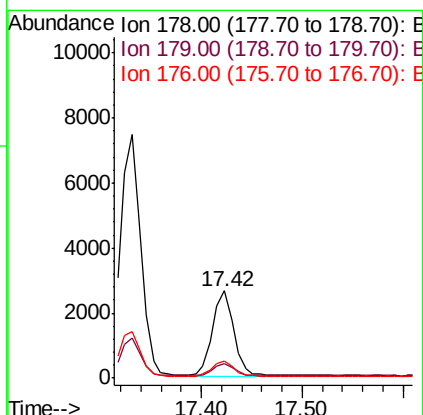
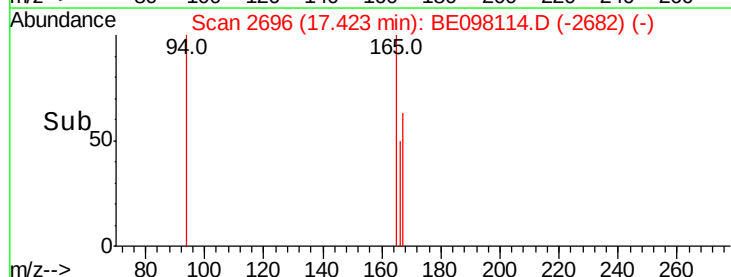
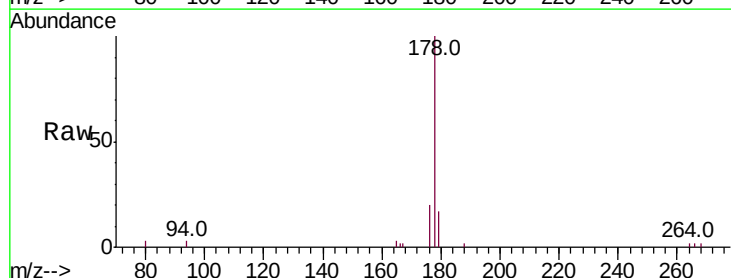
Tgt Ion:178 Resp: 3816

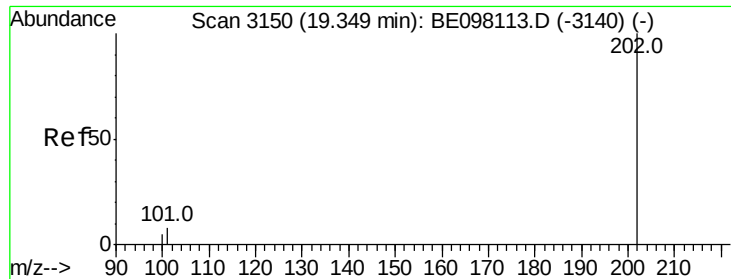
Ion Ratio Lower Upper

178 100

179 17.2 12.6 19.0

176 20.1 15.6 23.4

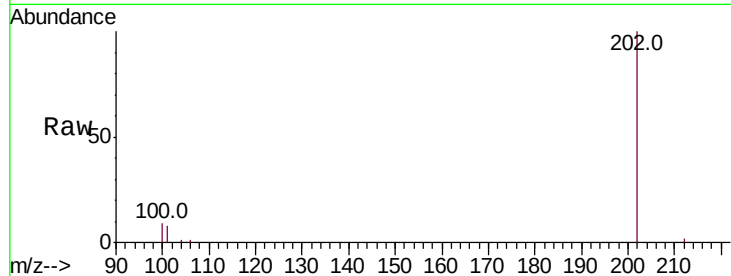




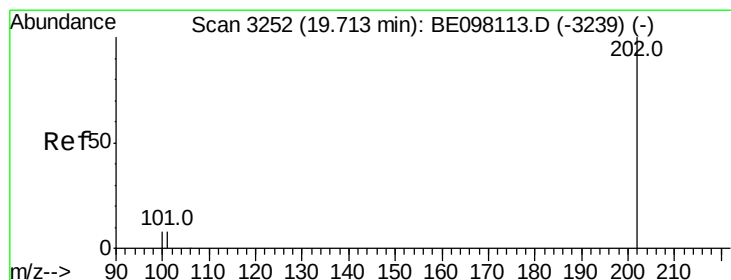
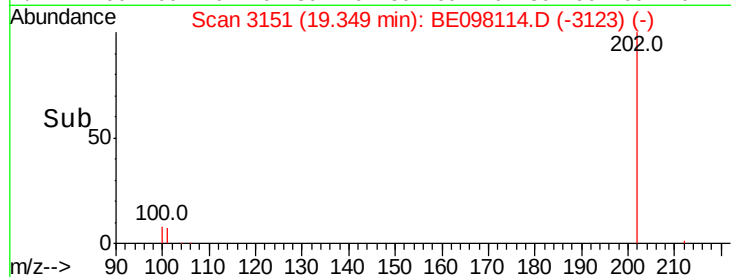
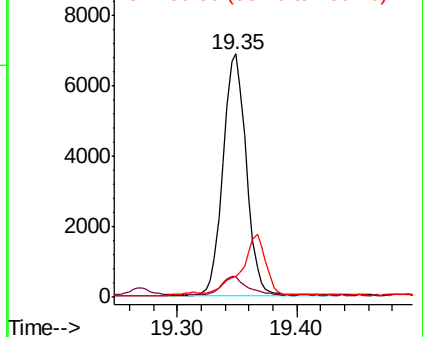
#15
 Fluoranthene
 Concen: 0.397 ng/ul
 RT: 19.35 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: BE098114.D
 Acq: 31 Oct 2018 12:39

Instrument :
 BNA_E
 ClientSampleId :
 A40C5

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	27.5
100	8.5	0.0	26.0



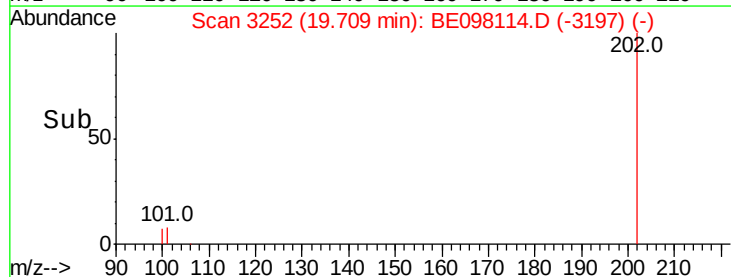
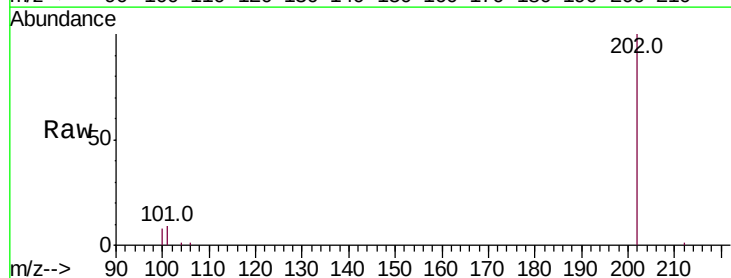
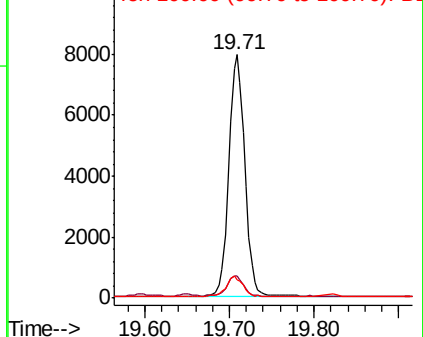
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): BE

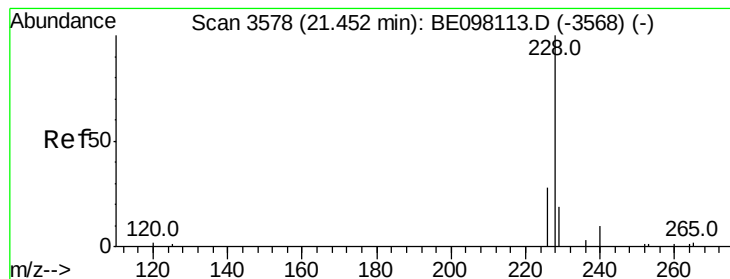


#17
 Pyrene
 Concen: 0.492 ng/ul
 RT: 19.71 min Scan# 3252
 Delta R.T. -0.00 min
 Lab File: BE098114.D
 Acq: 31 Oct 2018 12:39

Tgt Ion	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 :

A40C5

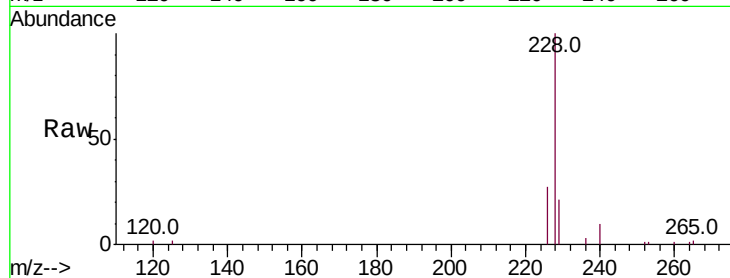
Tot Ion:228 Resp: 19817

Ion	Ratio	Lower	Upper
228	100		
229	20.5	16.1	24.1
226	26.7	22.2	33.4

228 100

229 20.5 16.1 24.1

226 26.7 22.2 33.4

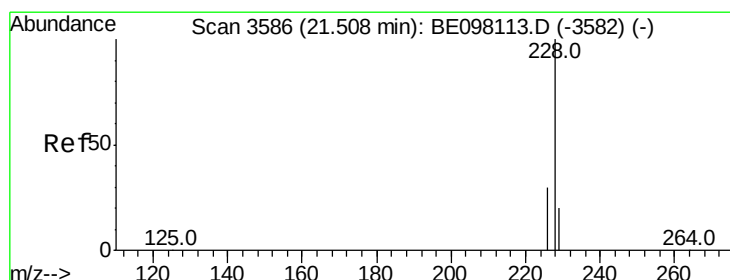
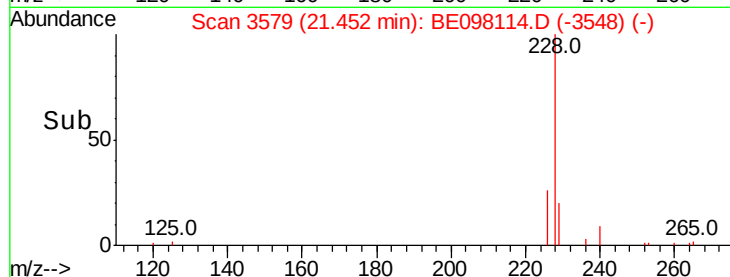
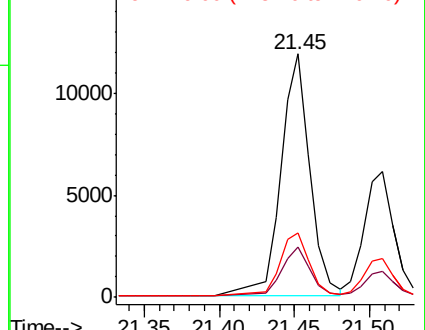


Abundance

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

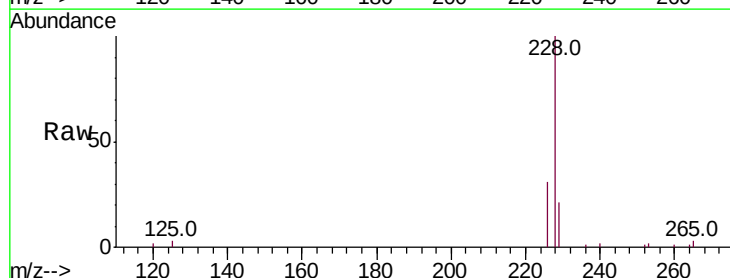
Tgt Ion:228 Resp: 8628

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	37.0
229	21.0	16.4	24.6

228 100

226 30.6 24.6 37.0

229 21.0 16.4 24.6

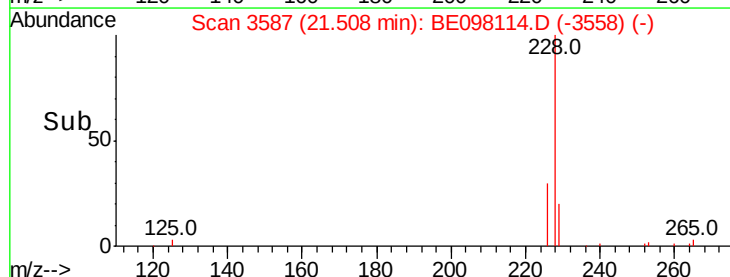
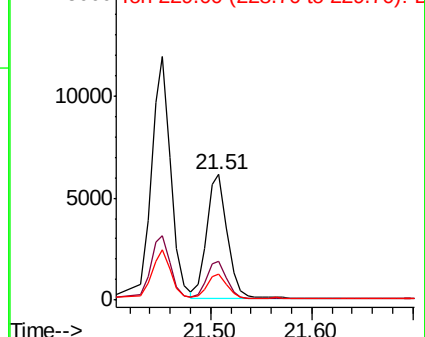


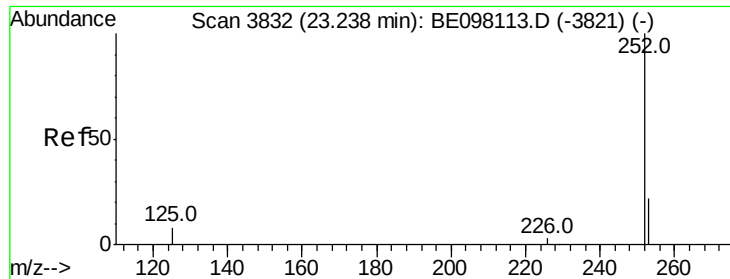
Abundance

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

Lab File: BE098114.D

Acq: 31 Oct 2018 12:39

Instrument :

BNA_E

ClientSampleId :

A40C5

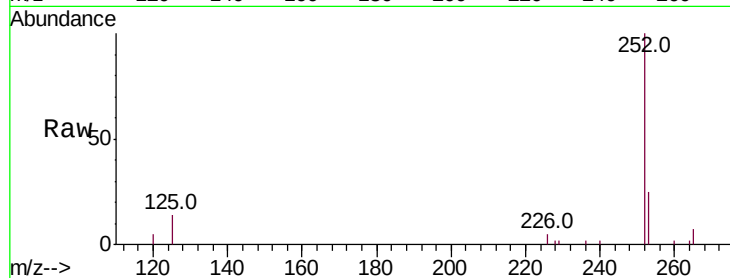
Tot Ion:252 Resp: 6890

Ion Ratio Lower Upper

252 100

253 25.4 0.0 47.8

125 13.6 0.0 16.8

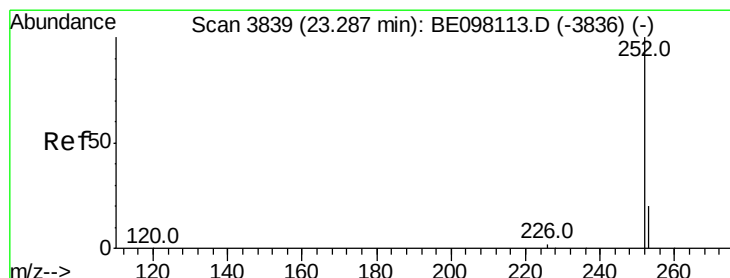
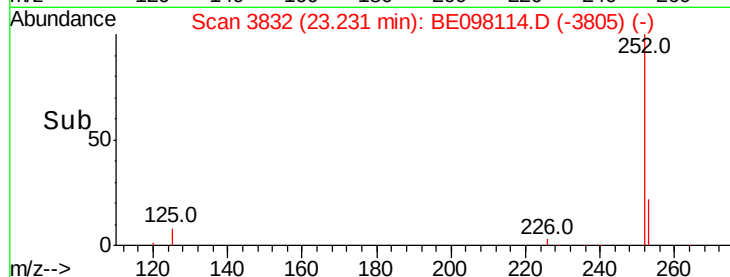
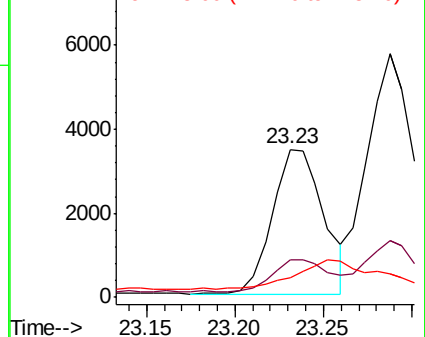


Abundance

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

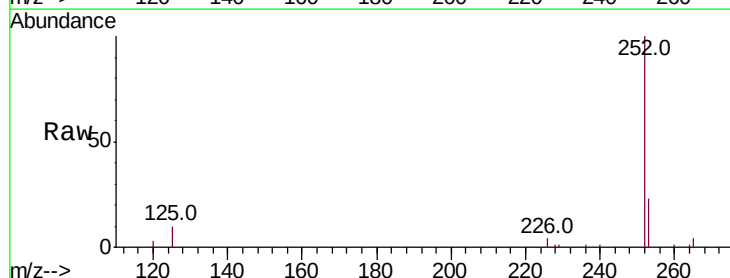
Tgt Ion:252 Resp: 10731

Ion Ratio Lower Upper

252 100

253 23.4 19.3 28.9

125 9.7 6.2 9.2#

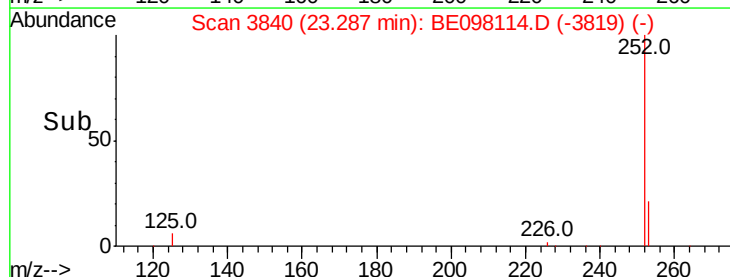
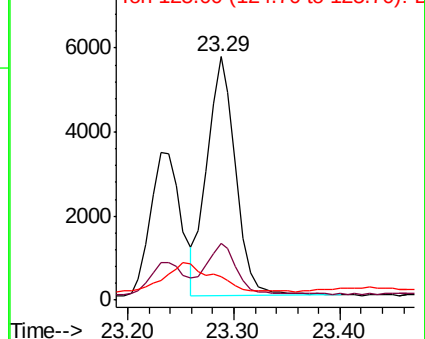


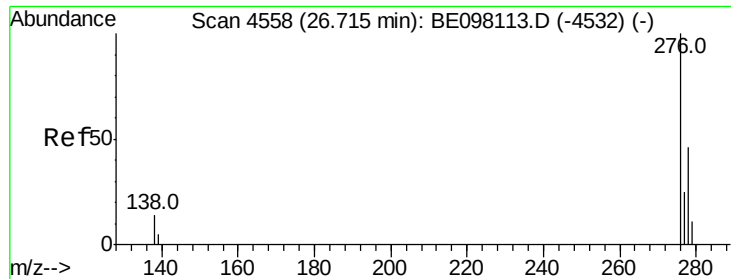
Abundance

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

Lab File: BE098114.D

Acq: 31 Oct 2018 12:39

Instrument :

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ClientSampleId :

A40C5

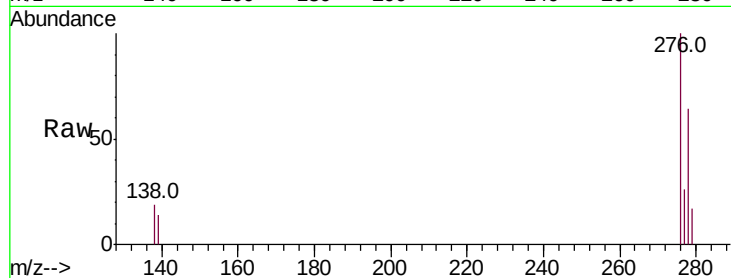
Tot Ion:276 Resp: 9304

Ion Ratio Lower Upper

276 100

138 19.0 11.8 17.8#

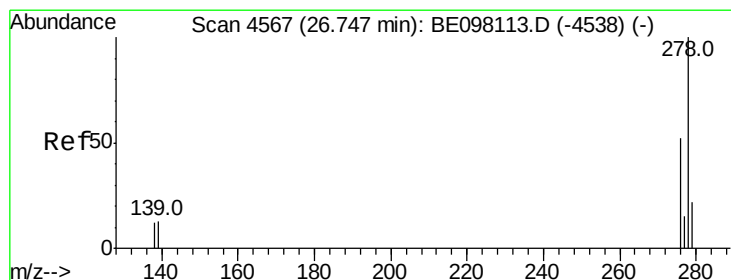
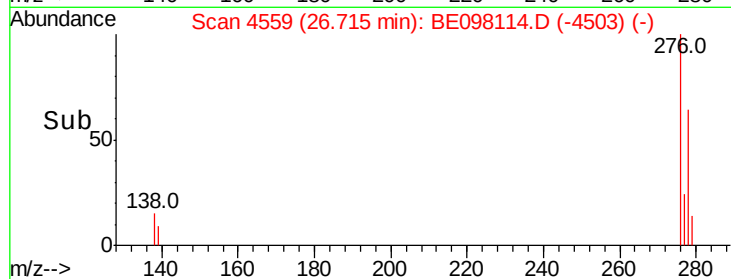
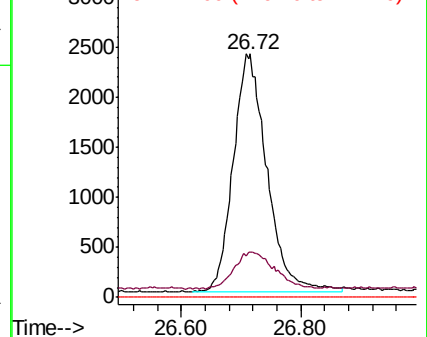
227 0.0 0.0 0.0



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

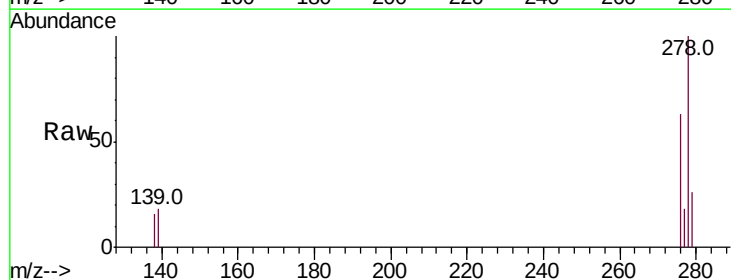
Tgt Ion:278 Resp: 8658

Ion Ratio Lower Upper

278 100

139 17.7 10.0 15.0#

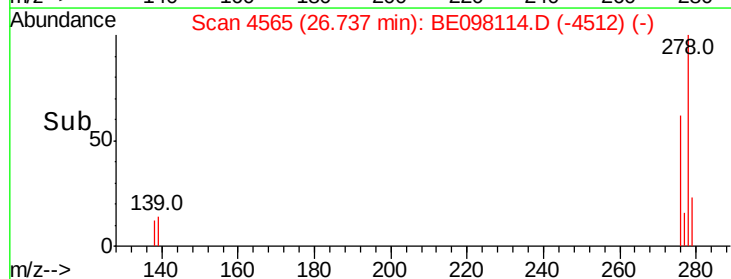
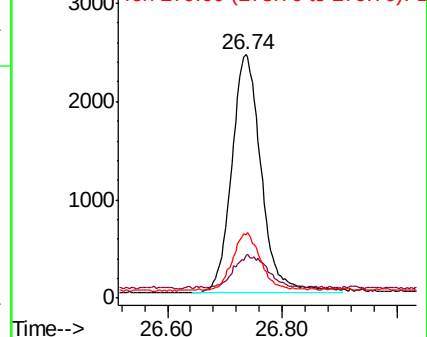
279 25.8 20.3 30.5

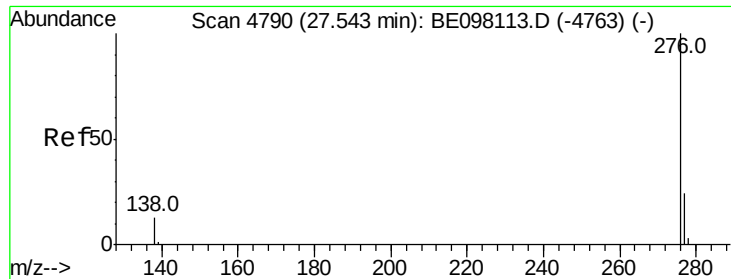


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,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

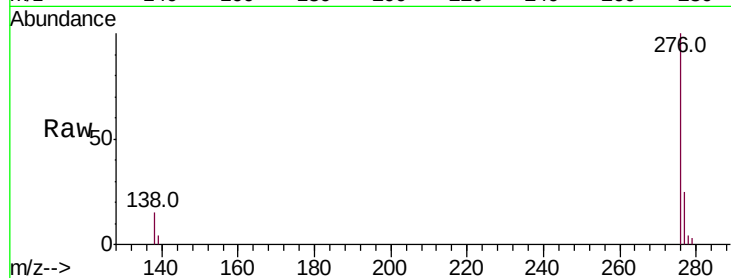
Tot Ion:276 Resp: 12214

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

