

Data File : BE098087.D
Acq On : 26 Oct 2018 13:39
Operator : SJ/JU
Sample : J5598-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AE6

Quant Time: Oct 26 23:19:57 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

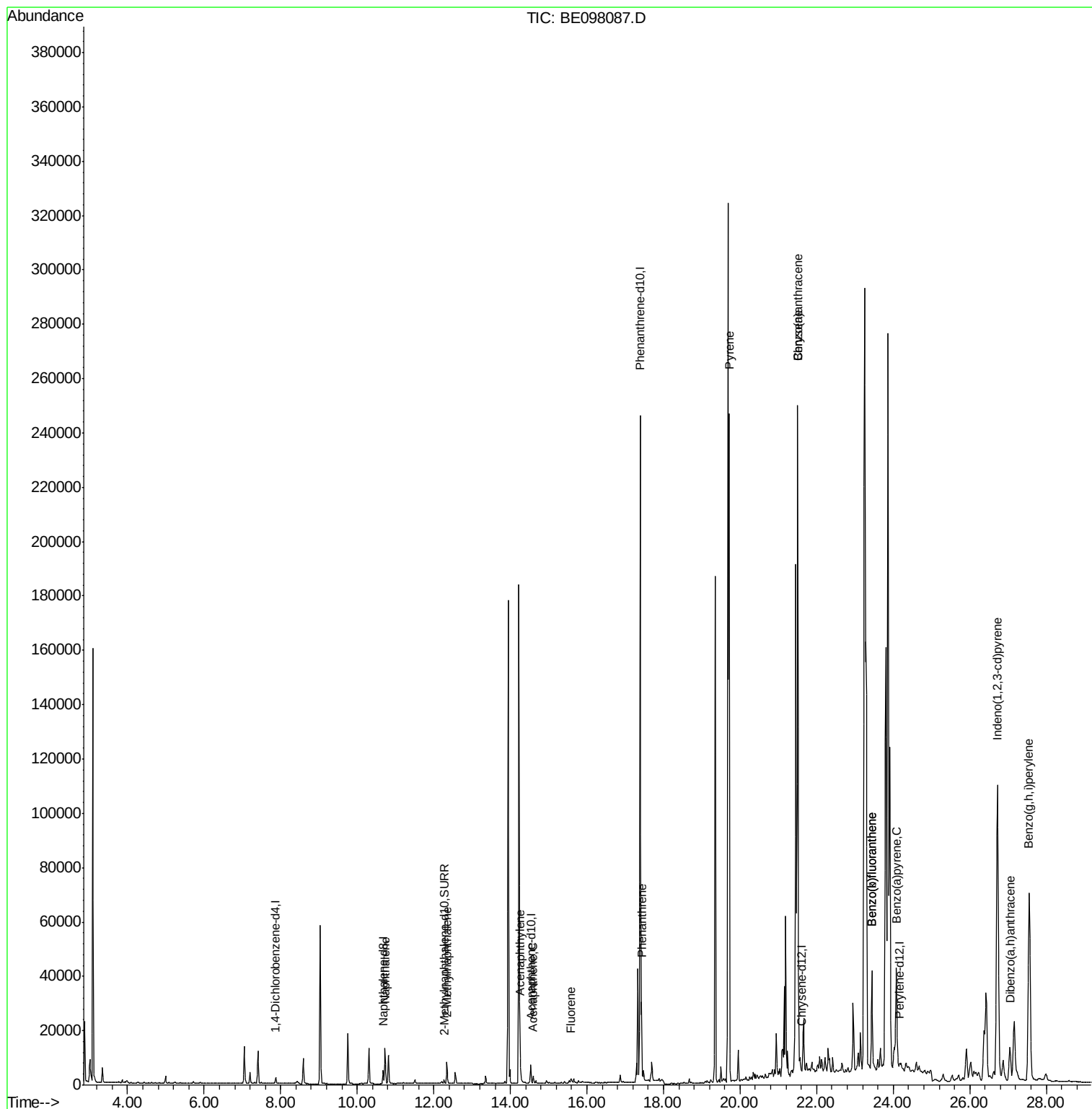
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	1076	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	5287	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	3731	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.39	188	301306	0.40	ng/ul	0.10
16) Chrysene-d12	21.61	240	97	0.40	ng/ul	0.13
20) Perylene-d12	24.17	264	1245	0.40	ng/ul	0.14
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	1745	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.37	212	316	0.00	ng/ul	0.05
Target Compounds				Qvalue		
3) Naphthalene	10.73	128	19579	1.547	ng/ul	95
5) 2-Methylnaphthalene	12.34	142	6448	0.674	ng/ul	100
7) Acenaphthylene	14.26	152	16655	1.131	ng/ul	99
8) Acenaphthene	14.60	153	1587	0.144	ng/ul	94
9) Fluorene	15.59	166	1304	0.099	ng/ul#	92
12) Phenanthrene	17.42	178	35518	0.051	ng/ul	99
17) Pyrene	19.71	202	276377	1220.280	ng/ul	98
18) Benzo(a)anthracene	21.51	228	290967	1020.220	ng/ul	95
19) Chrysene	21.51	228	290967	1318.866	ng/ul	99
21) Benzo(b)fluoranthene	23.44	252	53815	15.601	ng/ul	91
22) Benzo(k)fluoranthene	23.44	252	53862	15.952	ng/ul#	92
23) Benzo(a)pyrene	24.08	252	55735	16.800	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	26.72	276	211950	55.752	ng/ul#	92
25) Dibenzo(a,h)anthracene	27.05	278	21350	6.738	ng/ul	94
26) Benzo(g,h,i)perylene	27.55	276	174678	54.580	ng/ul	96

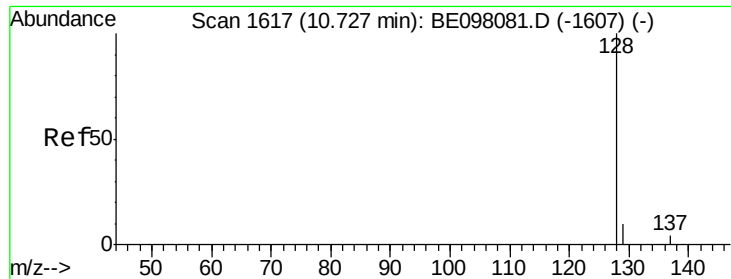
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.547 ng/ul

RT: 10.73 min Scan# 1617

Delta R.T. -0.00 min

Lab File: BE098087.D

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Instrument :

BNA_E

ClientSampleId :

C0AE6

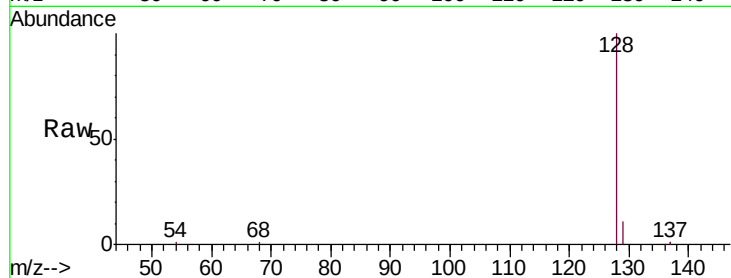
Tgt Ion:128 Resp: 19579

Ion Ratio Lower Upper

128 100

129 11.0 10.5 15.7

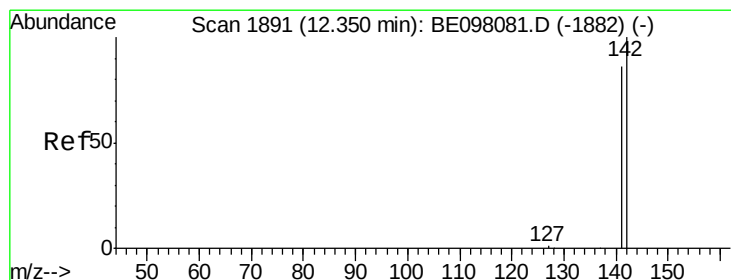
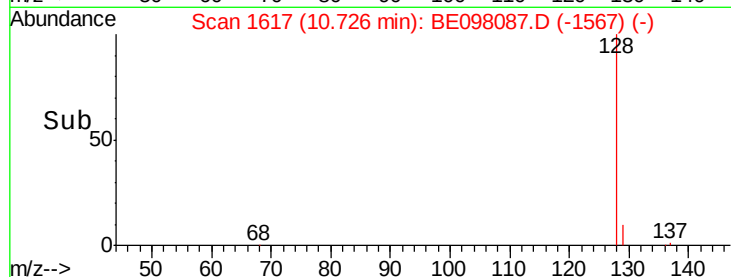
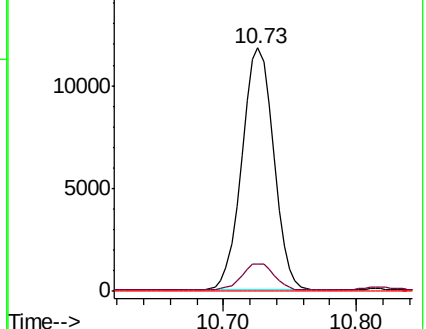
127 0.0 0.0 0.0



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: 0.674 ng/ul

RT: 12.34 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BE098087.D

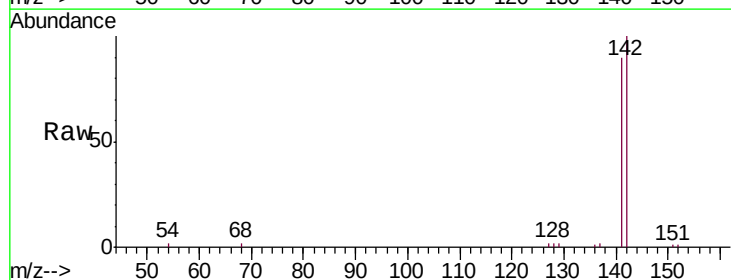
Acq: 26 Oct 2018 13:39

Tgt Ion:142 Resp: 6448

Ion Ratio Lower Upper

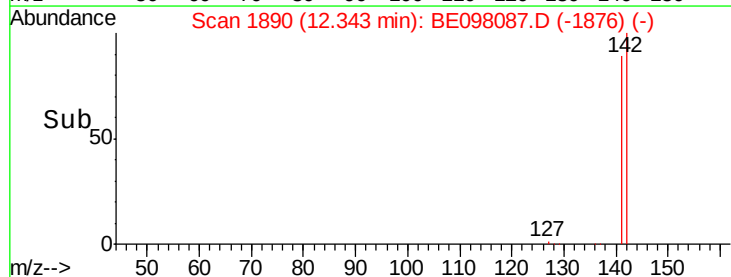
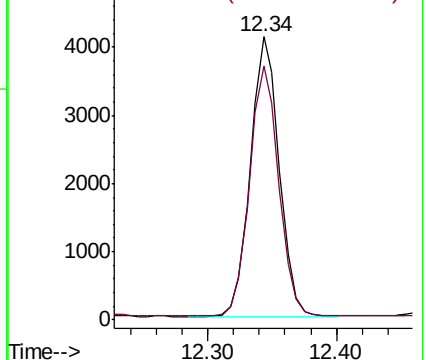
142 100

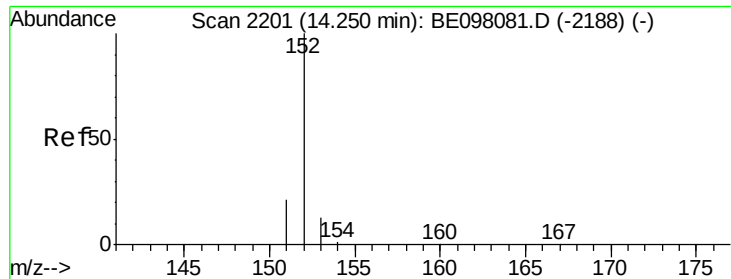
141 90.4 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.131 ng/ul

RT: 14.26 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BE098087.D

Acq: 26 Oct 2018 13:39

Instrument :

BNA_E

ClientSampleId :

C0AE6

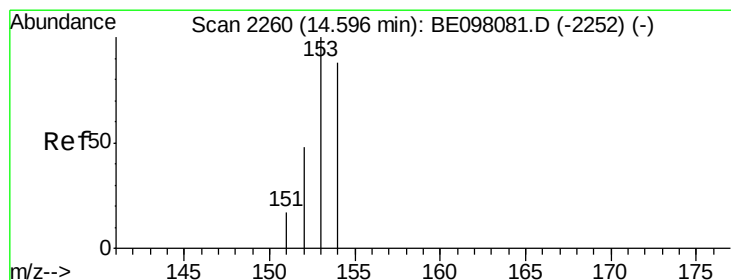
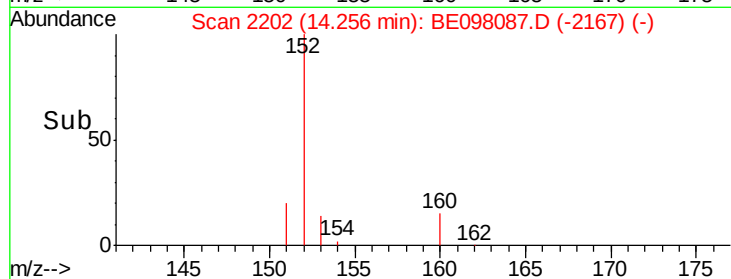
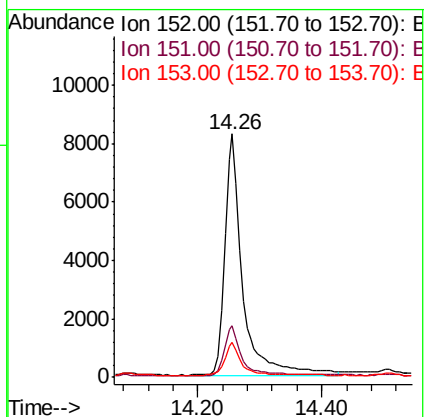
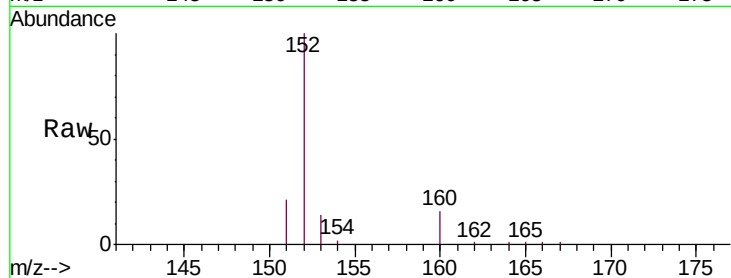
Tgt Ion:152 Resp: 16655

Ion Ratio Lower Upper

152 100

151 21.0 17.3 25.9

153 14.3 11.9 17.9



#8

Acenaphthene

Concen: 0.144 ng/ul

RT: 14.60 min Scan# 2260

Delta R.T. -0.00 min

Lab File: BE098087.D

Acq: 26 Oct 2018 13:39

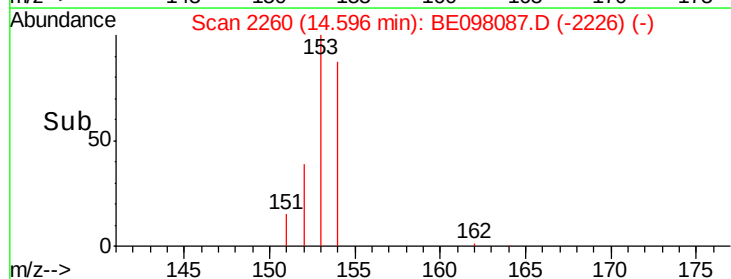
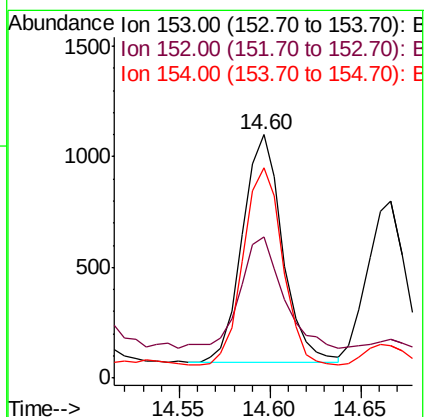
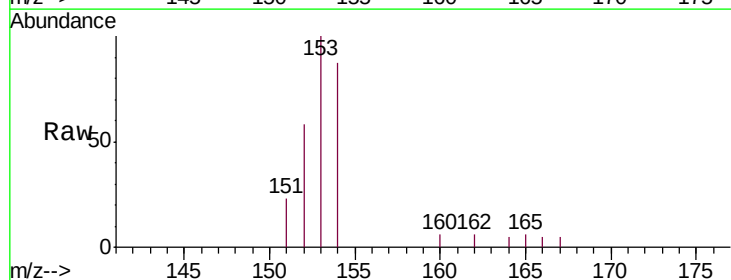
Tgt Ion:153 Resp: 1587

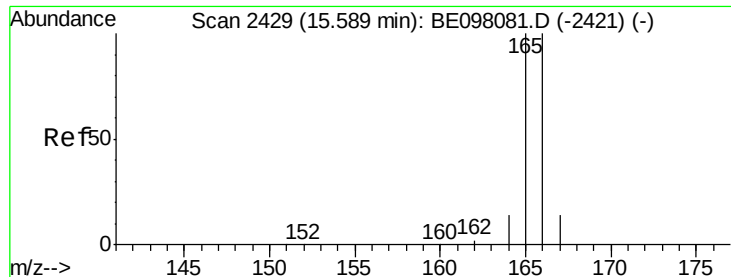
Ion Ratio Lower Upper

153 100

152 57.9 39.4 59.0

154 86.6 70.5 105.7

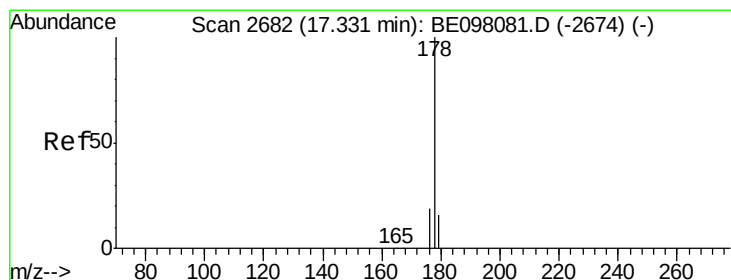
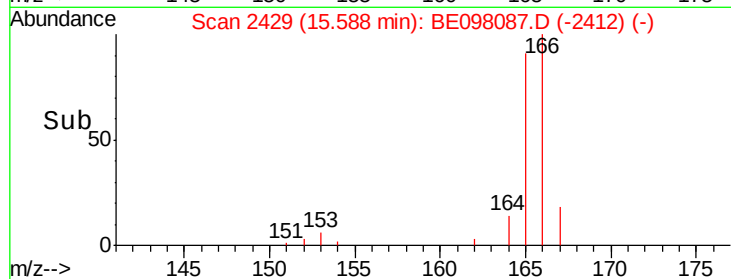
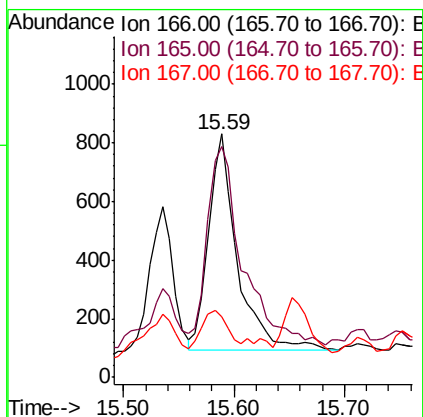
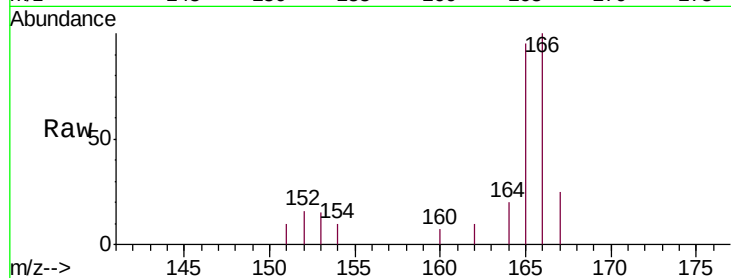




#9
Fluorene
 Concen: 0.099 ng/ul
 RT: 15.59 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: BE098087.D
 Acq: 26 Oct 2018 13:39

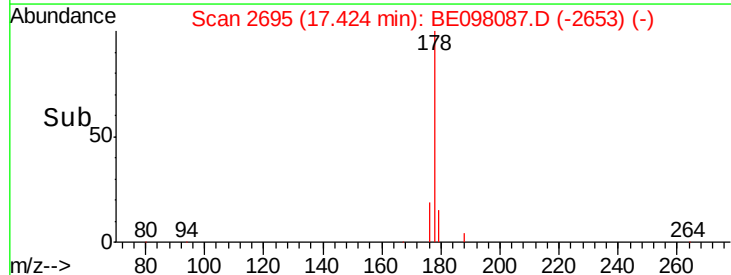
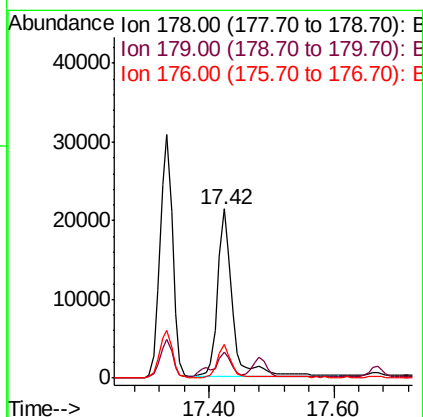
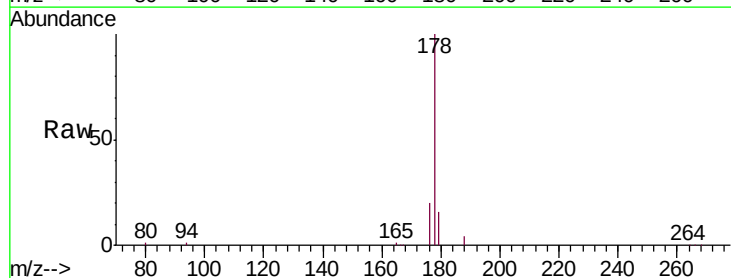
Instrument :
 BNA_E
 ClientSampled :
 C0AE6

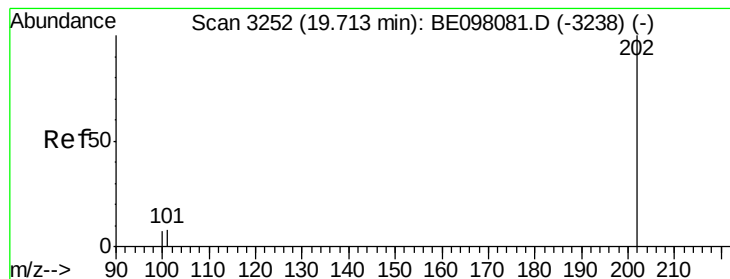
Tgt Ion:166 Resp: 1304
 Ion Ratio Lower Upper
 166 100
 165 94.8 80.2 120.4
 167 24.7 12.0 18.0#



#12
Phenanthrene
 Concen: 0.051 ng/ul
 RT: 17.42 min Scan# 2695
 Delta R.T. 0.09 min
 Lab File: BE098087.D
 Acq: 26 Oct 2018 13:39

Tgt Ion:178 Resp: 35518
 Ion Ratio Lower Upper
 178 100
 179 15.7 13.0 19.4
 176 19.6 15.7 23.5





#17

Pyrene

Concen: 1220.280 ng/ul

RT: 19.71 min Scan# 3252

Delta R.T. 0.00 min

Lab File: BE098087.D

Acq: 26 Oct 2018 13:39

Instrument :

BNA_E

ClientSampleId :

C0AE6

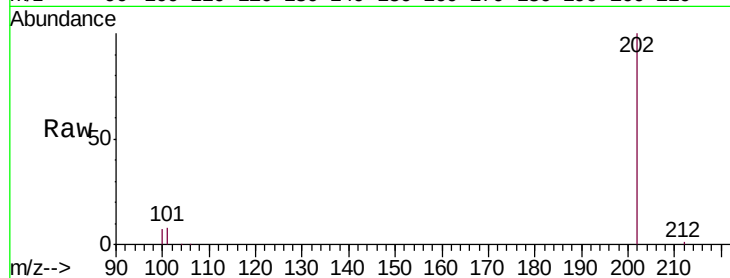
Tgt Ion:202 Resp: 276377

Ion Ratio Lower Upper

202 100

101 7.7 6.9 10.3

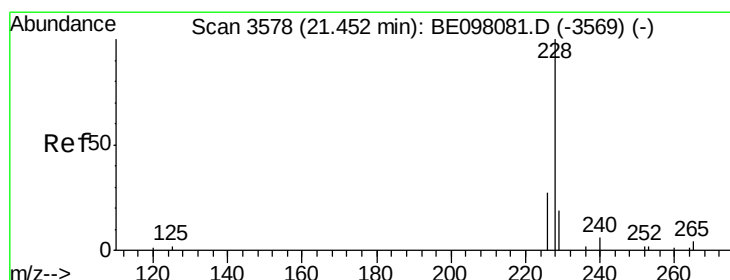
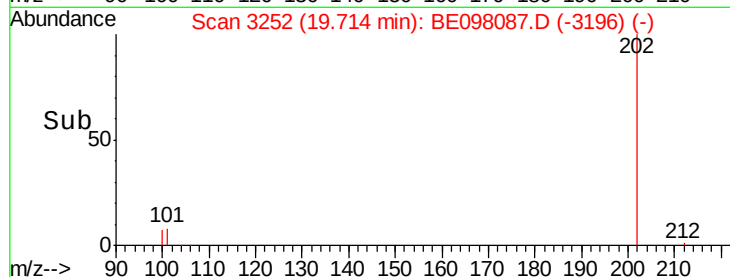
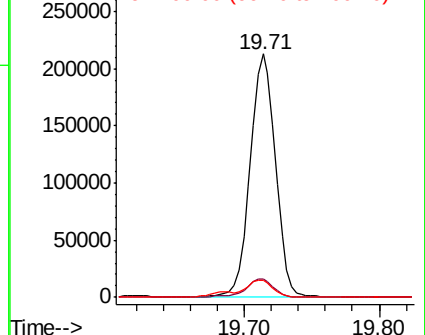
100 7.1 6.0 9.0



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): BE



#18

Benzo(a)anthracene

Concen: 1020.220 ng/ul

RT: 21.51 min Scan# 3586

Delta R.T. 0.06 min

Lab File: BE098087.D

Acq: 26 Oct 2018 13:39

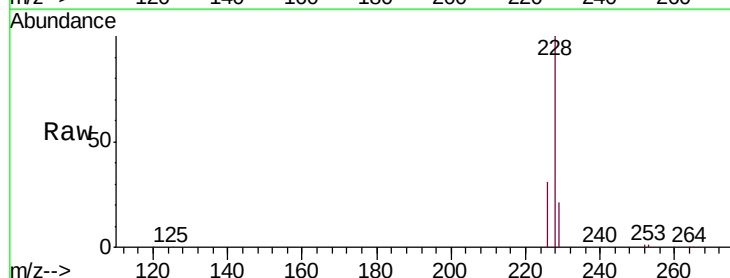
Tgt Ion:228 Resp: 290967

Ion Ratio Lower Upper

228 100

229 20.8 16.1 24.1

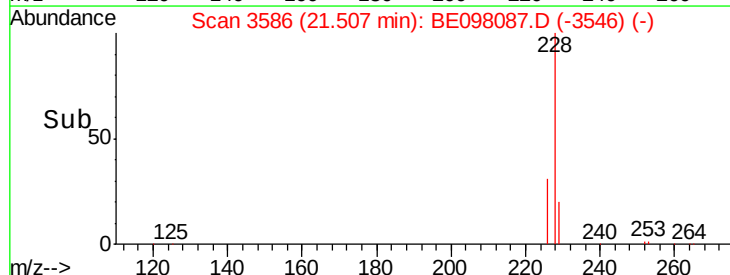
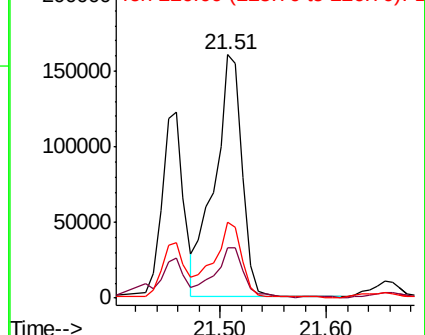
226 31.4 22.2 33.4

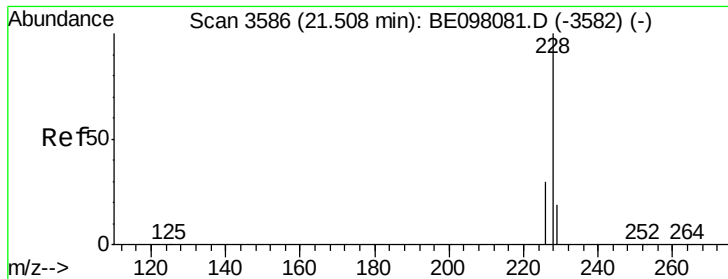


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1318.866 ng/ul

RT: 21.51 min Scan# 3586

Delta R.T. -0.00 min

Lab File: BE098087.D

Acq: 26 Oct 2018 13:39

Instrument :

BNA_E

ClientSampleId :

C0AE6

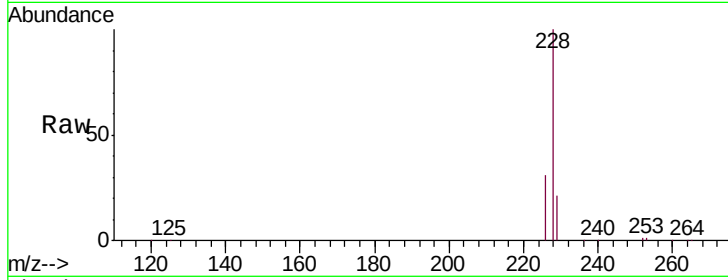
Tgt Ion:228 Resp: 290967

Ion Ratio Lower Upper

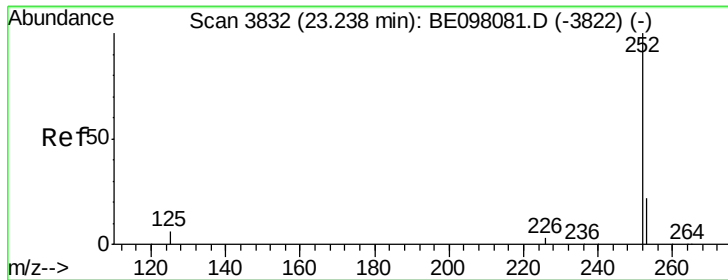
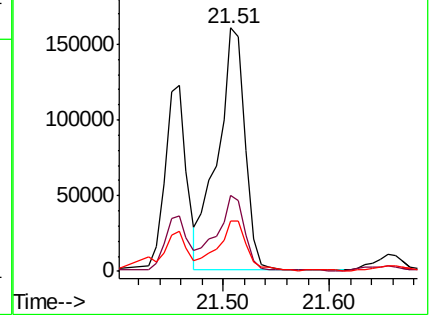
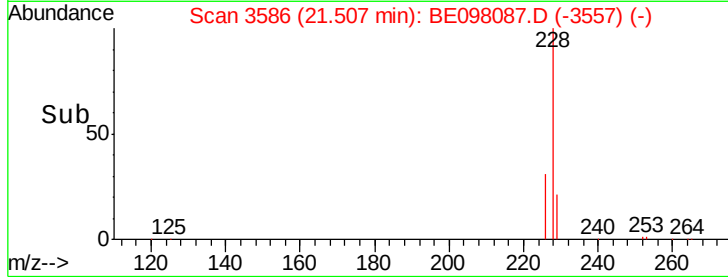
228 100

226 31.4 24.6 37.0

229 20.8 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: 15.601 ng/ul

RT: 23.44 min Scan# 3861

Delta R.T. 0.20 min

Lab File: BE098087.D

Acq: 26 Oct 2018 13:39

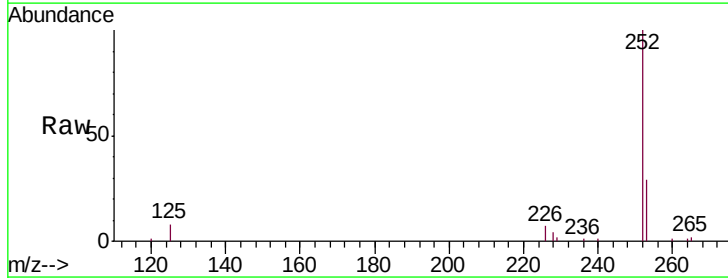
Tgt Ion:252 Resp: 53815

Ion Ratio Lower Upper

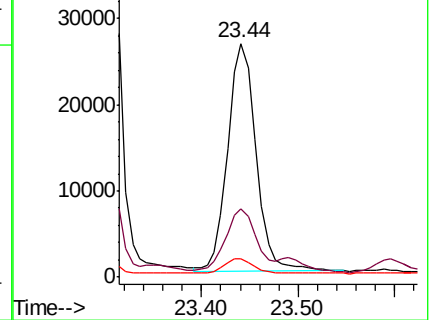
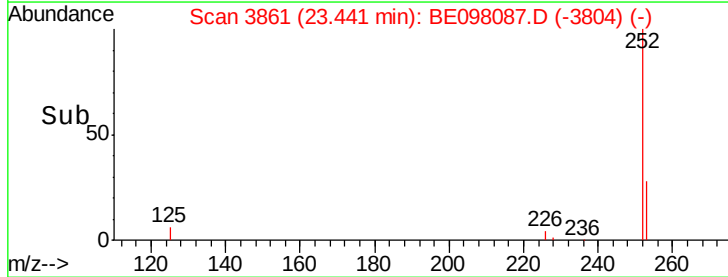
252 100

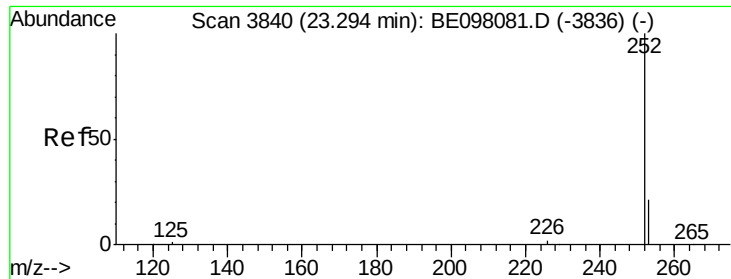
253 29.3 0.0 47.8

125 7.7 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: 15.952 ng/ul

RT: 23.44 min Scan# 3861

Delta R.T. 0.15 min

Lab File: BE098087.D

Acq: 26 Oct 2018 13:39

Instrument :

BNA_E

ClientSampleId :

C0AE6

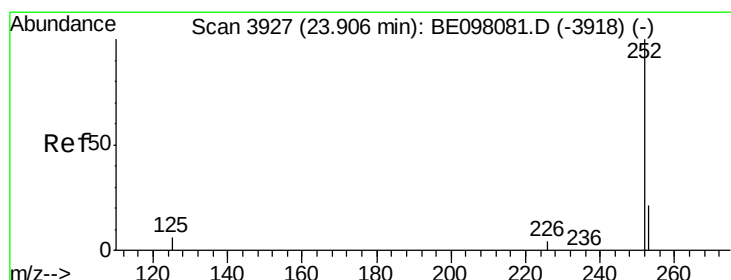
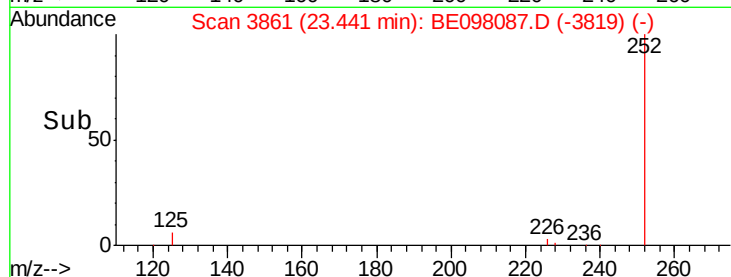
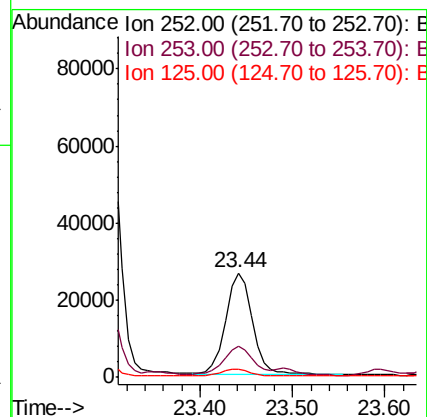
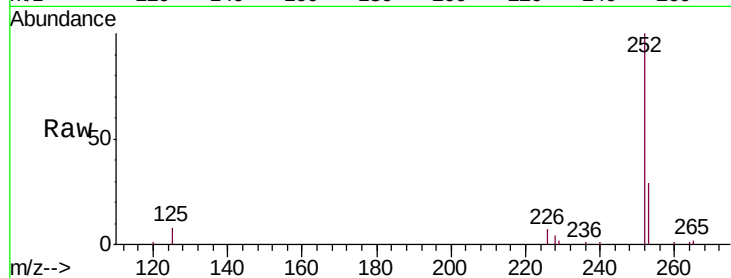
Tgt Ion:252 Resp: 53862

Ion Ratio Lower Upper

252 100

253 29.3 19.3 28.9#

125 7.7 6.2 9.2



#23

Benzo(a)pyrene

Concen: 16.800 ng/ul

RT: 24.08 min Scan# 3952

Delta R.T. 0.17 min

Lab File: BE098087.D

Acq: 26 Oct 2018 13:39

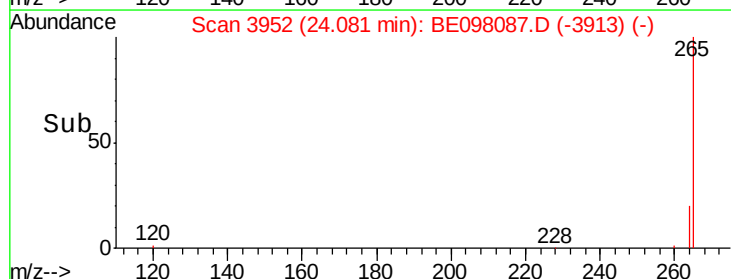
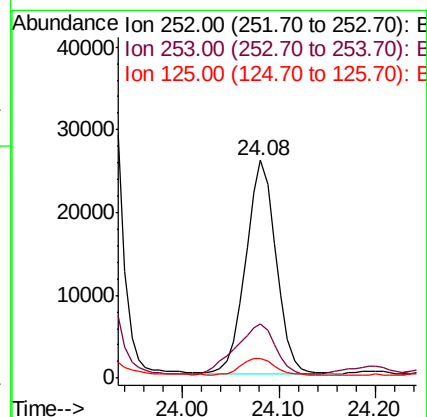
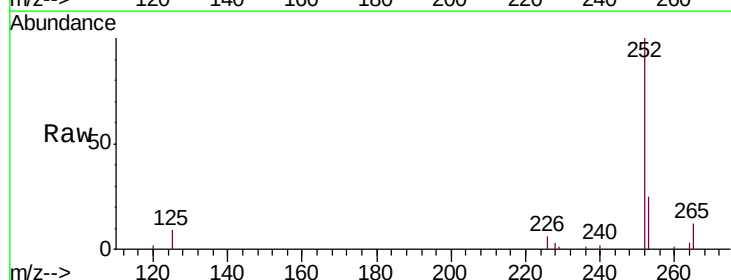
Tgt Ion:252 Resp: 55735

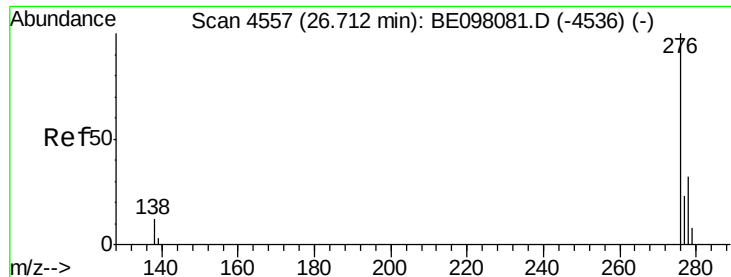
Ion Ratio Lower Upper

252 100

253 24.9 19.4 29.2

125 9.3 7.8 11.8



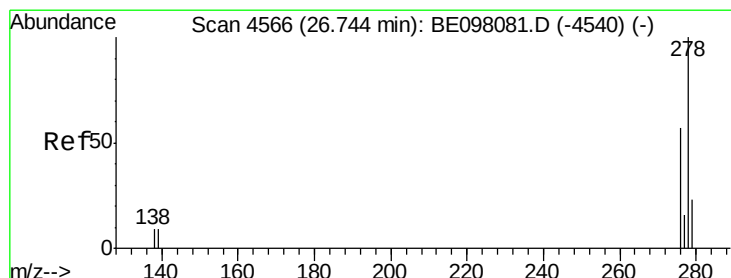
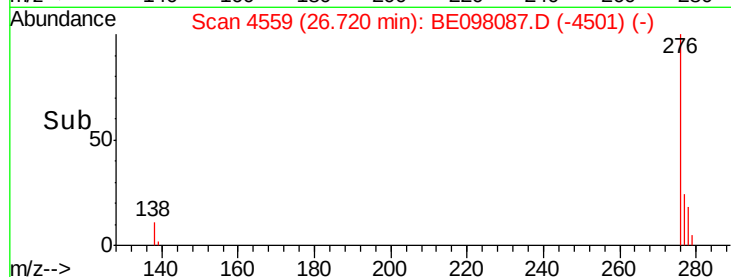
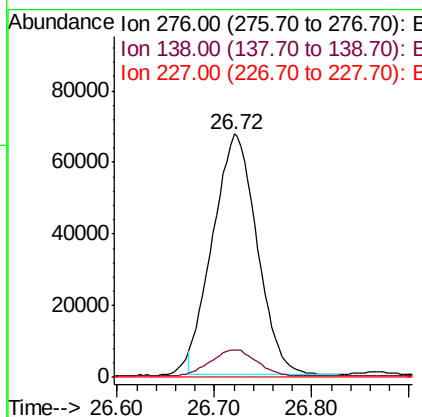
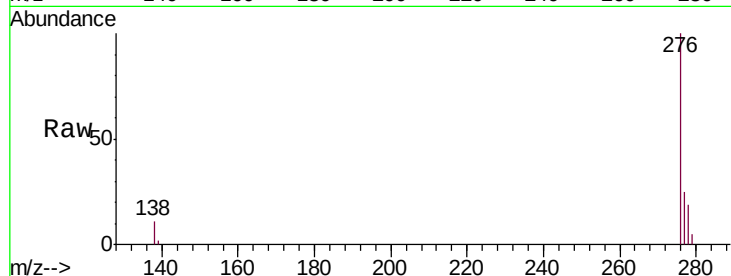


#24

Indeno(1,2,3-cd)pyrene
Concen: 55.752 ng/ul
RT: 26.72 min Scan# 4559
Delta R.T. 0.01 min
Lab File: BE098087.D
Acq: 26 Oct 2018 13:39

Instrument :
BNA_E
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C0AE6

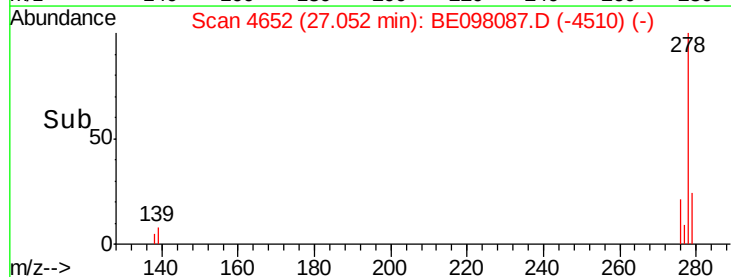
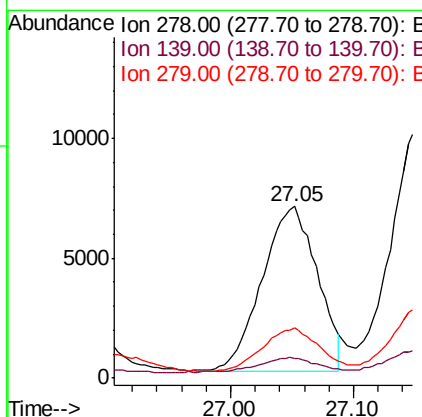
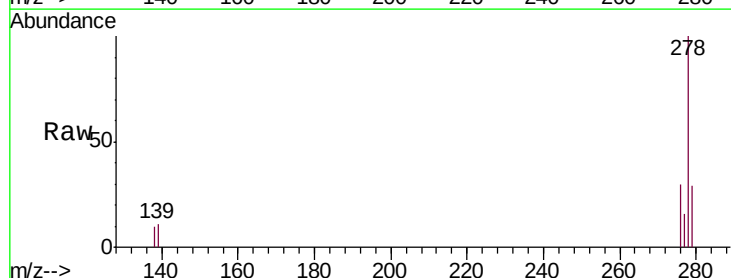
Tgt Ion:276 Resp: 211950
Ion Ratio Lower Upper
276 100
138 11.4 11.8 17.8#
227 0.0 0.0 0.0

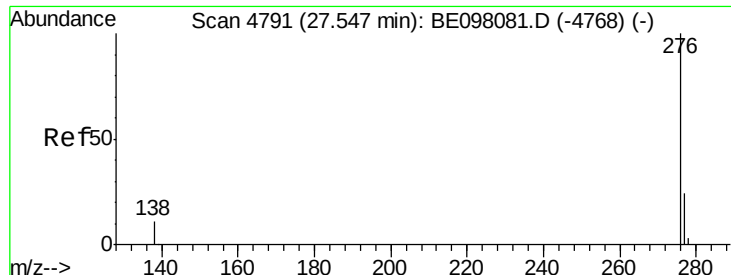


#25

Dibenzo(a,h)anthracene
Concen: 6.738 ng/ul
RT: 27.05 min Scan# 4652
Delta R.T. 0.31 min
Lab File: BE098087.D
Acq: 26 Oct 2018 13:39

Tgt Ion:278 Resp: 21350
Ion Ratio Lower Upper
278 100
139 11.2 10.0 15.0
279 29.4 20.3 30.5





#26

Benzo(g,h,i)perylene

Concen: 54.580 ng/ul

RT: 27.55 min Scan# 4792

Delta R.T. 0.00 min

Lab File: BE098087.D

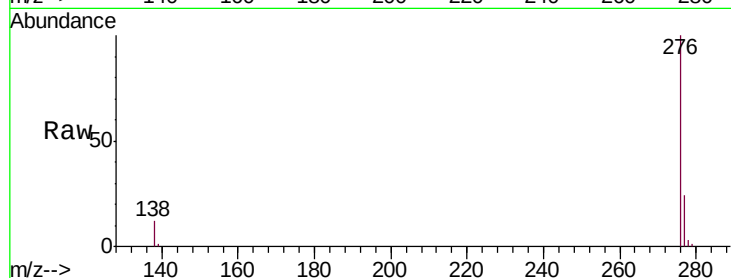
Acq: 26 Oct 2018 13:39

Instrument :

BNA_E

ClientSampleId :

C0AE6



Tgt Ion: 276 Resp: 174678

Ion Ratio Lower Upper

276 100

138 11.9 11.6 17.4

277 24.3 20.8 31.2

