

Data File : BE098085.D
Acq On : 26 Oct 2018 12:27
Operator : SJ/JU
Sample : J5598-14
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AE2

Quant Time: Oct 26 23:19:35 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	1094	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	5476	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	4003	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.39	188	321750	0.40	ng/ul	0.10
16) Chrysene-d12	21.61	240	311	0.40	ng/ul	0.14
20) Perylene-d12	24.17	264	3306	0.40	ng/ul	0.15

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	1794	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.42	212	112	0.00	ng/ul	0.10

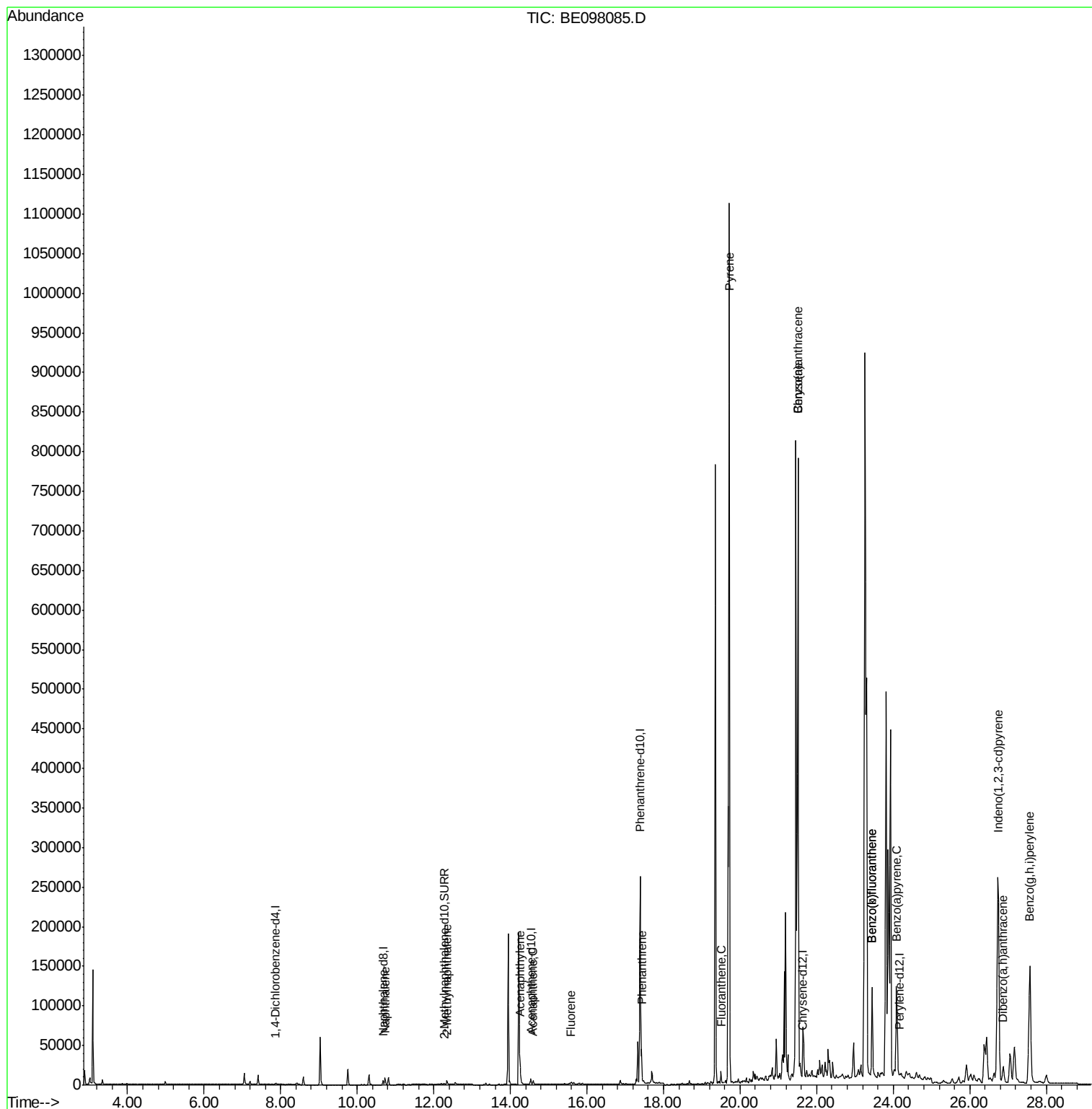
Target Compounds				Qvalue		
3) Naphthalene	10.73	128	13632	1.040	ng/ul	98
5) 2-Methylnaphthalene	12.34	142	4813	0.486	ng/ul	100
7) Acenaphthylene	14.26	152	39221	2.483	ng/ul	97
8) Acenaphthene	14.60	153	2675	0.227	ng/ul	95
9) Fluorene	15.59	166	2481	0.175	ng/ul#	98
12) Phenanthrene	17.42	178	55670	0.075	ng/ul	99
15) Fluoranthene	19.50	202	19563	0.021	ng/ul	99
17) Pyrene	19.72	202	1289580	1775.894	ng/ul	98
18) Benzo(a)anthracene	21.51	228	928089	1014.965	ng/ul	94
19) Chrysene	21.51	228	928089	1312.072	ng/ul	98
21) Benzo(b)fluoranthene	23.45	252	169069	18.458	ng/ul	98
22) Benzo(k)fluoranthene	23.45	252	169067	18.857	ng/ul	99
23) Benzo(a)pyrene	24.09	252	173960	19.747	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	26.74	276	505770	50.101	ng/ul#	92
25) Dibenzo(a,h)anthracene	26.87	278	37277	4.431	ng/ul	95
26) Benzo(g,h,i)perylene	27.57	276	366874	43.170	ng/ul	95

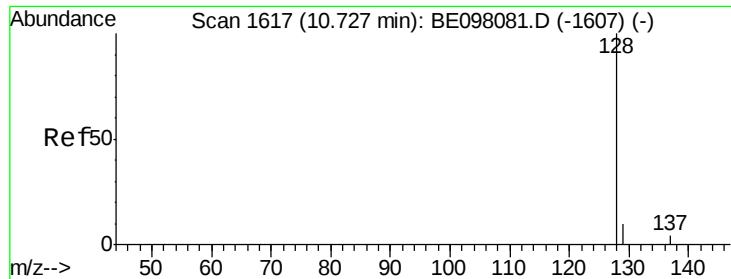
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.040 ng/ul

RT: 10.73 min Scan# 1617

Delta R.T. -0.00 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Instrument :

BNA_E

ClientSampleId :

C0AE2

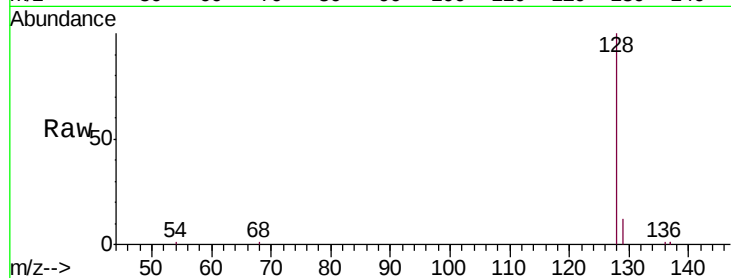
Tgt Ion:128 Resp: 13632

Ion Ratio Lower Upper

128 100

129 12.1 10.5 15.7

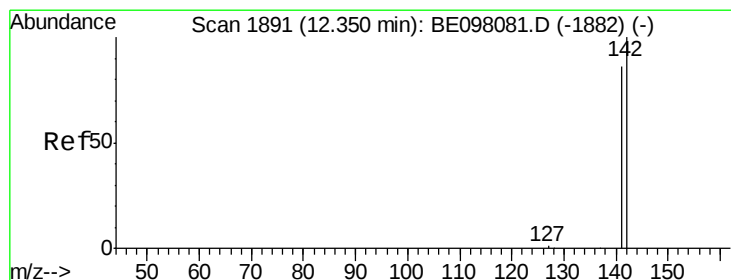
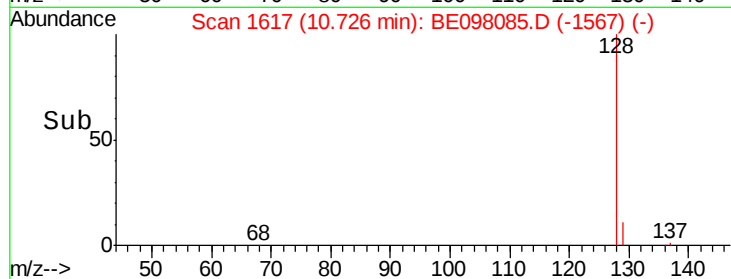
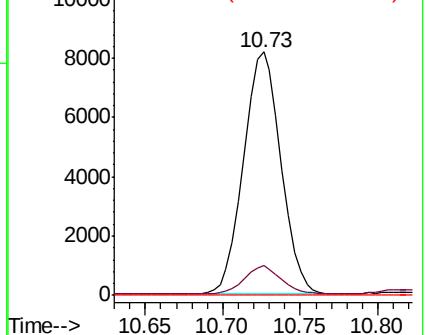
127 0.0 0.0 0.0



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: 0.486 ng/ul

RT: 12.34 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BE098085.D

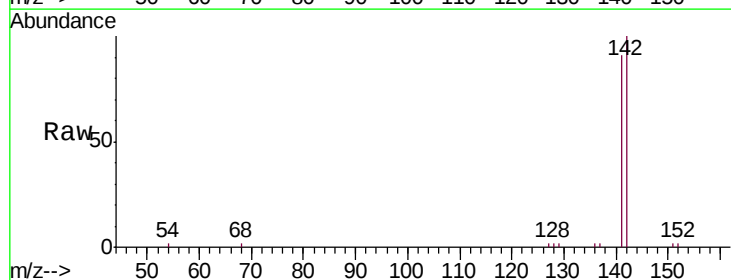
Acq: 26 Oct 2018 12:27

Tgt Ion:142 Resp: 4813

Ion Ratio Lower Upper

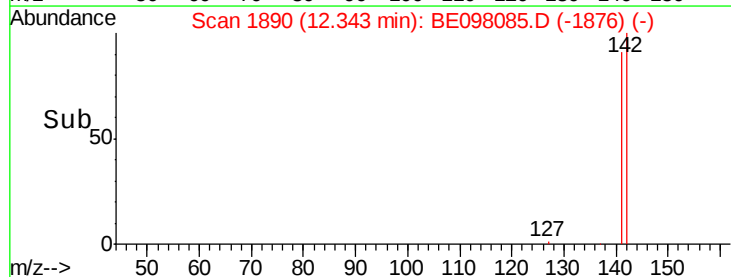
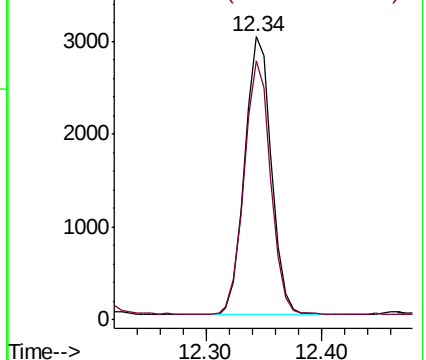
142 100

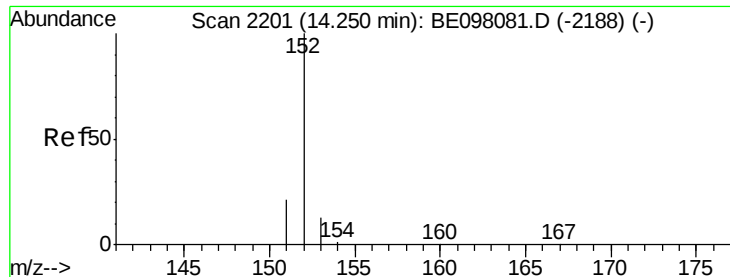
141 90.8 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.483 ng/ul

RT: 14.26 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Instrument :

BNA_E

ClientSampleId :

C0AE2

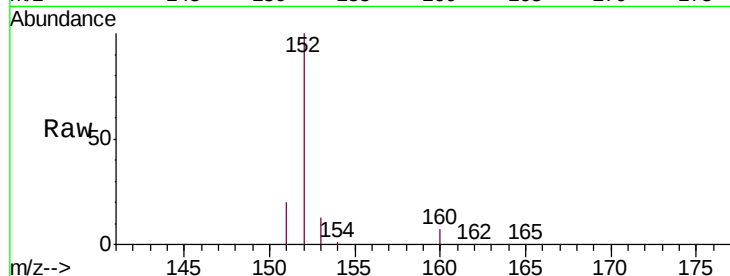
Tgt Ion:152 Resp: 39221

Ion Ratio Lower Upper

152 100

151 20.2 17.3 25.9

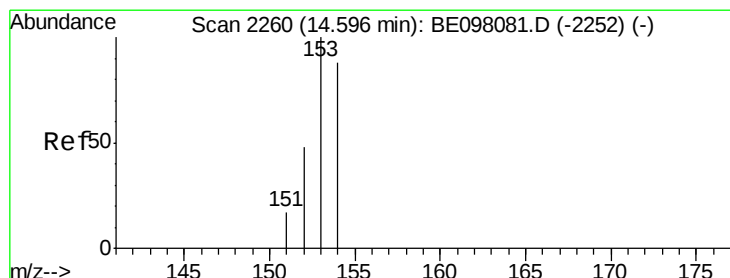
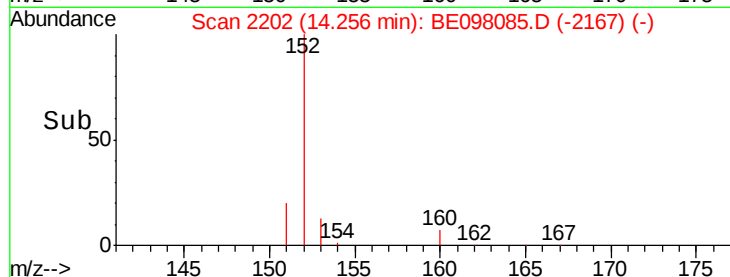
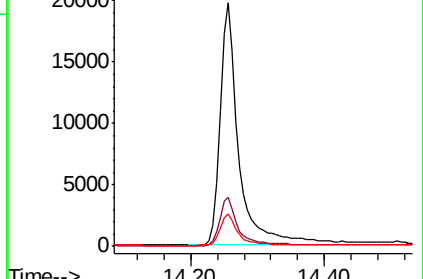
153 13.2 11.9 17.9



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: 0.227 ng/ul

RT: 14.60 min Scan# 2260

Delta R.T. -0.00 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

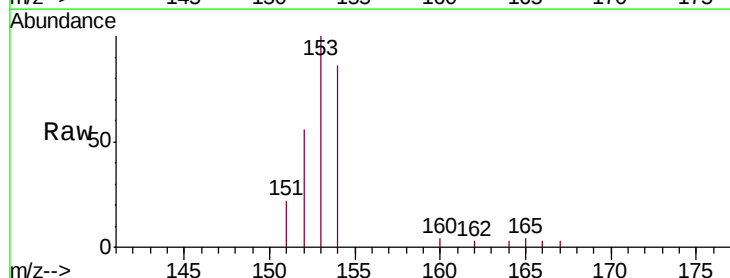
Tgt Ion:153 Resp: 2675

Ion Ratio Lower Upper

153 100

152 56.4 39.4 59.0

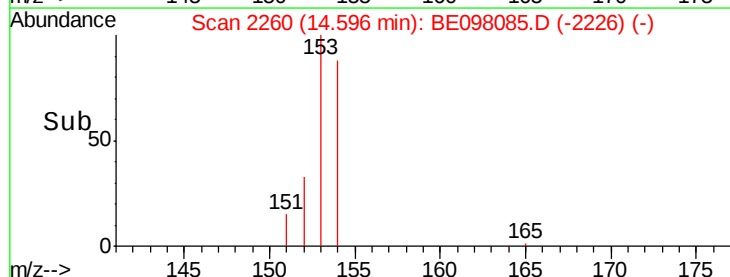
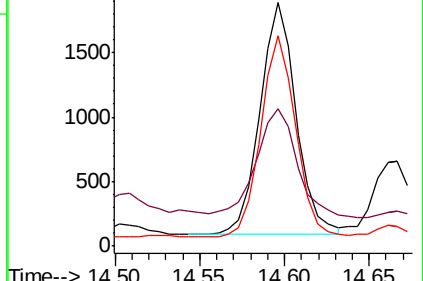
154 86.1 70.5 105.7

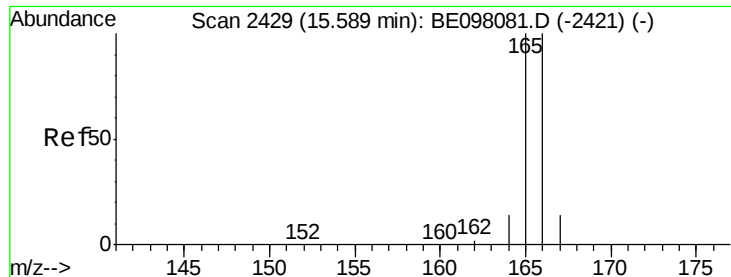


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.175 ng/ul

RT: 15.59 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Instrument :

BNA_E

ClientSampleId :

C0AE2

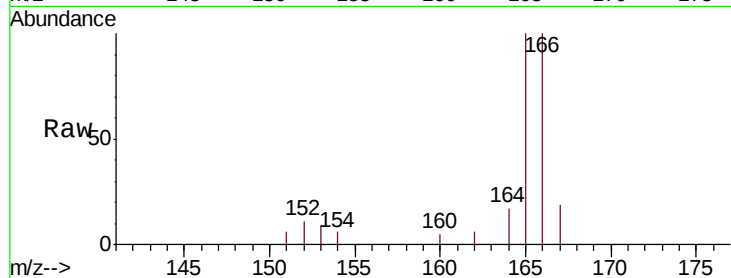
Tgt Ion:166 Resp: 2481

Ion Ratio Lower Upper

166 100

165 100.5 80.2 120.4

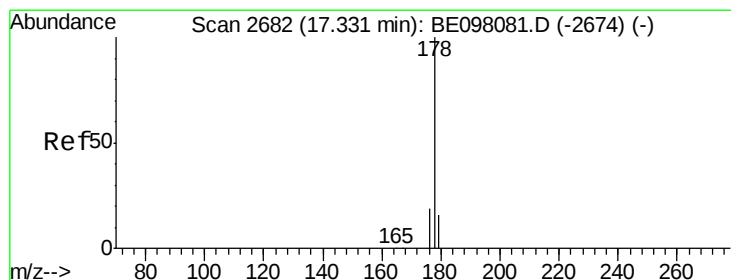
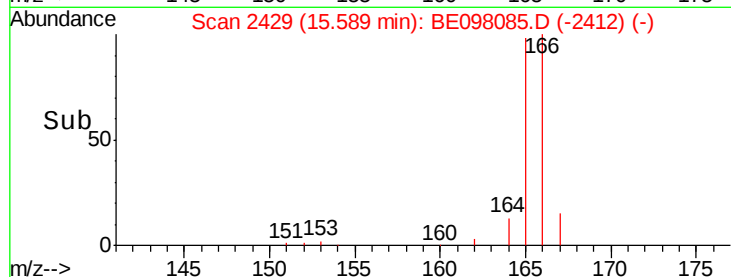
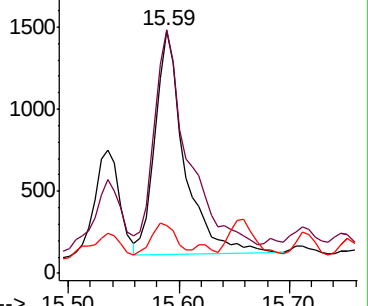
167 19.5 12.0 18.0#



Abundance Ion 166.00 (165.70 to 166.70): E

2000 Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 0.075 ng/ul

RT: 17.42 min Scan# 2695

Delta R.T. 0.09 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

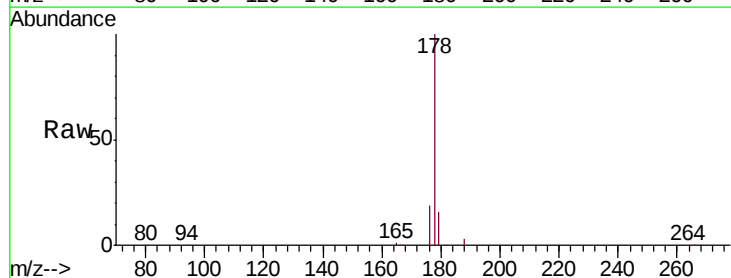
Tgt Ion:178 Resp: 55670

Ion Ratio Lower Upper

178 100

179 15.9 13.0 19.4

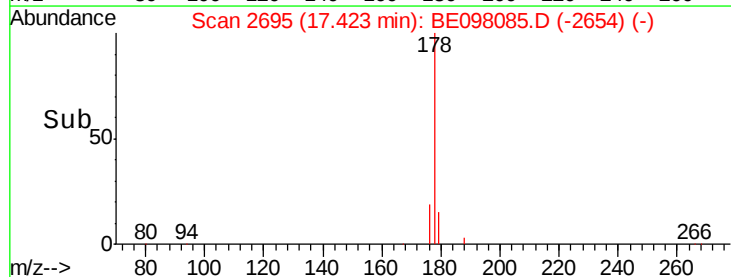
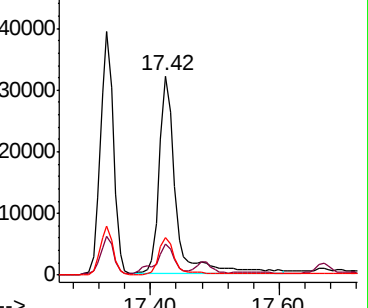
176 19.1 15.7 23.5

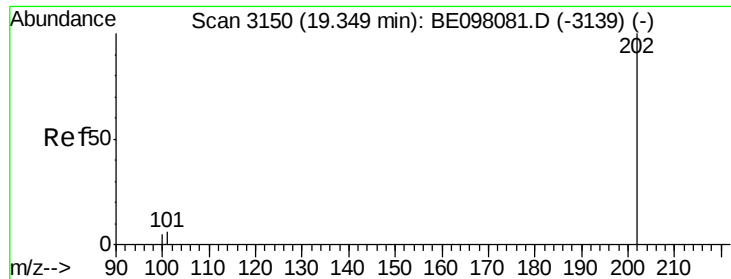


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.021 ng/ul

RT: 19.50 min Scan# 3193

Delta R.T. 0.15 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Instrument :

BNA_E

ClientSampleId :

C0AE2

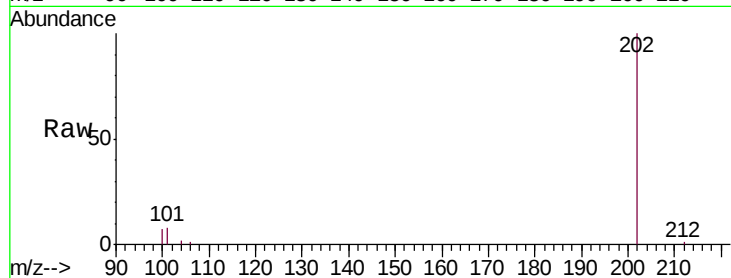
Tgt Ion:202 Resp: 19563

Ion Ratio Lower Upper

202 100

101 7.6 0.0 27.5

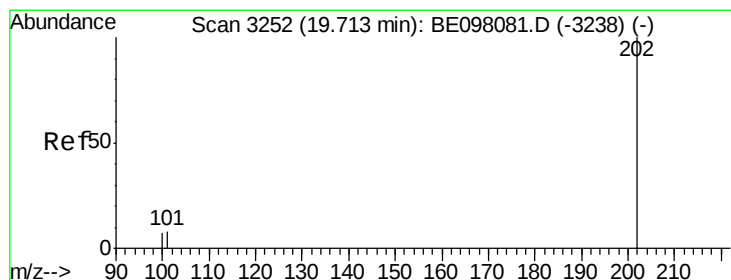
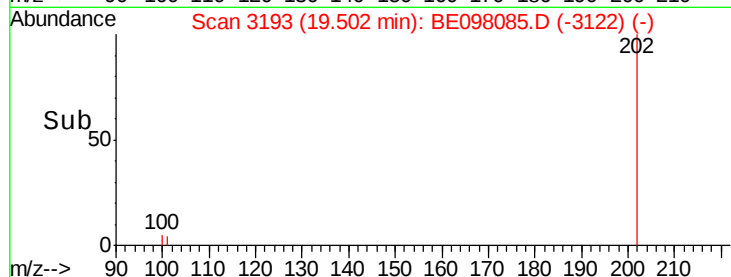
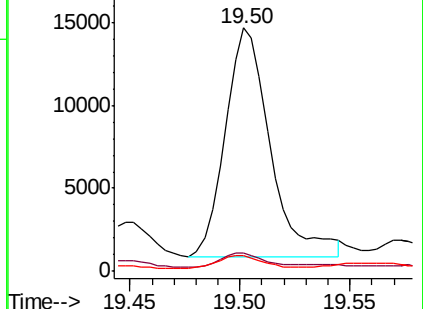
100 6.5 0.0 26.0



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: 1775.894 ng/ul

RT: 19.72 min Scan# 3254

Delta R.T. 0.01 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

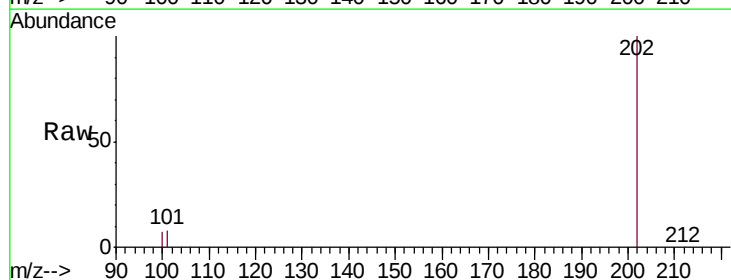
Tgt Ion:202 Resp: 1289580

Ion Ratio Lower Upper

202 100

101 7.5 6.9 10.3

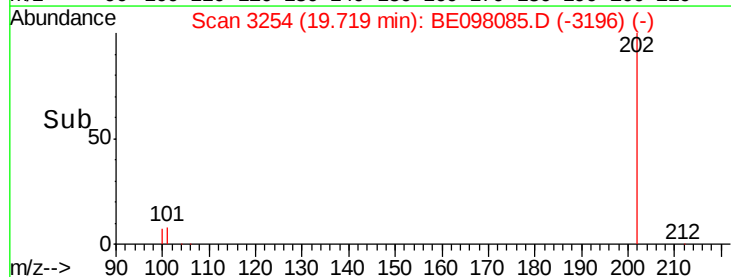
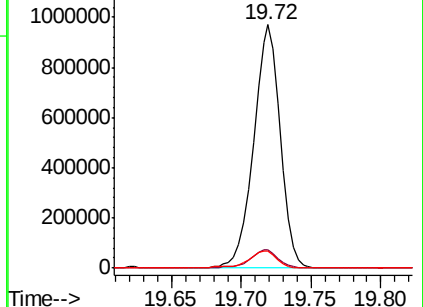
100 7.0 6.0 9.0

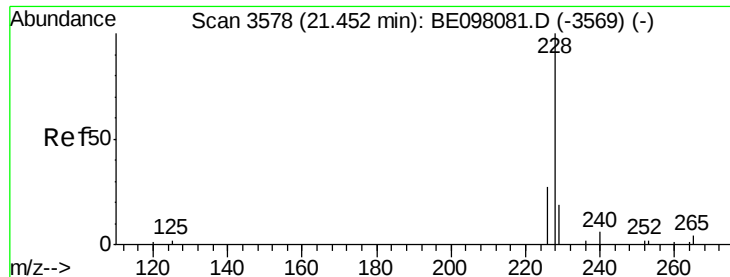


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 1014.965 ng/ul

RT: 21.51 min Scan# 3588

Delta R.T. 0.06 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Instrument :

BNA_E

ClientSampleId :

C0AE2

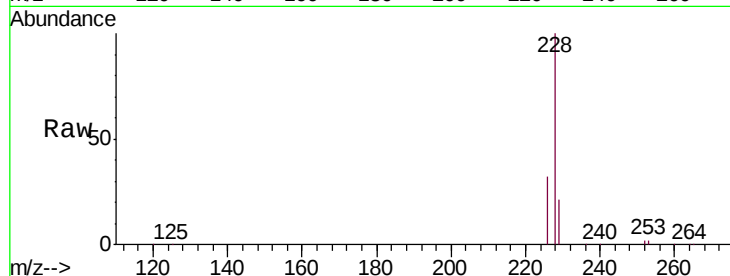
Tgt Ion:228 Resp: 928089

Ion Ratio Lower Upper

228 100

229 21.1 16.1 24.1

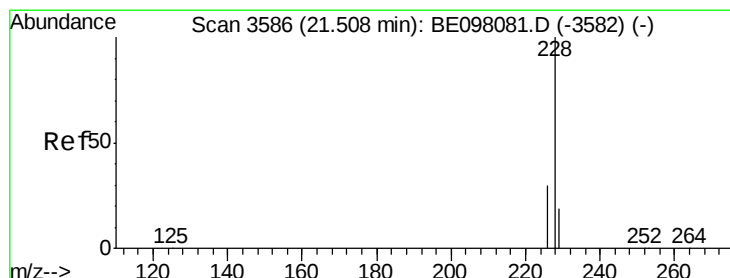
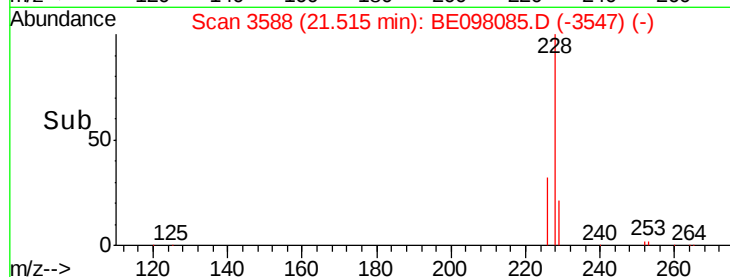
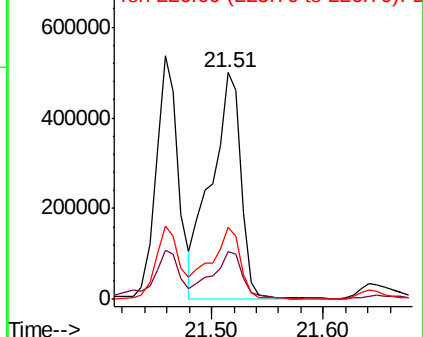
226 32.0 22.2 33.4



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: 1312.072 ng/ul

RT: 21.51 min Scan# 3588

Delta R.T. 0.01 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

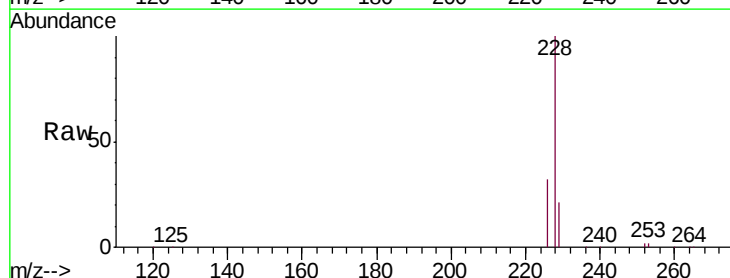
Tgt Ion:228 Resp: 928089

Ion Ratio Lower Upper

228 100

226 32.0 24.6 37.0

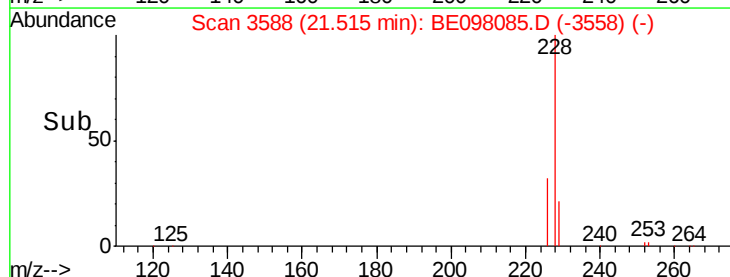
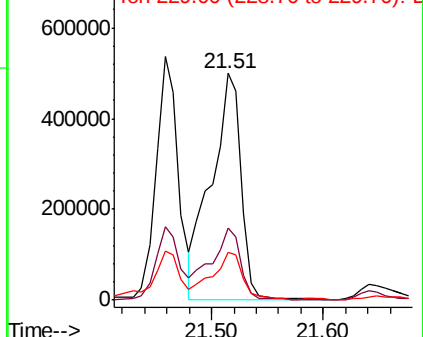
229 21.1 16.4 24.6

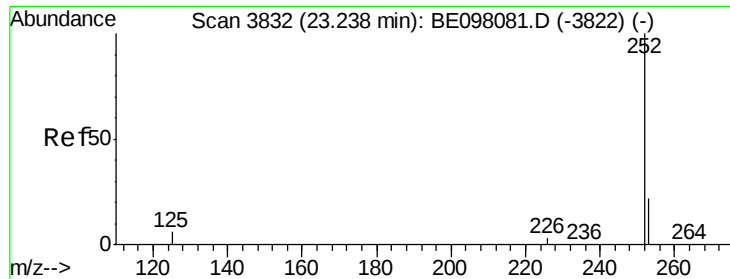


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 18.458 ng/ul

RT: 23.45 min Scan# 3863

Delta R.T. 0.21 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

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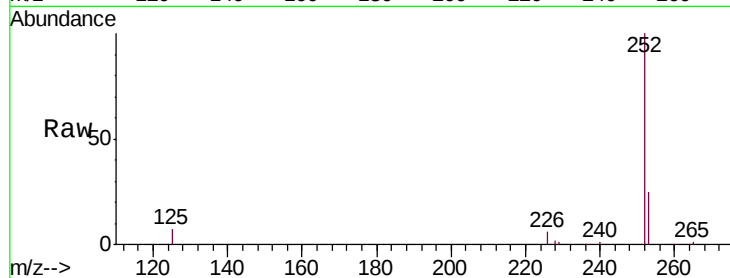
Tgt Ion:252 Resp: 169069

Ion Ratio Lower Upper

252 100

253 24.6 0.0 47.8

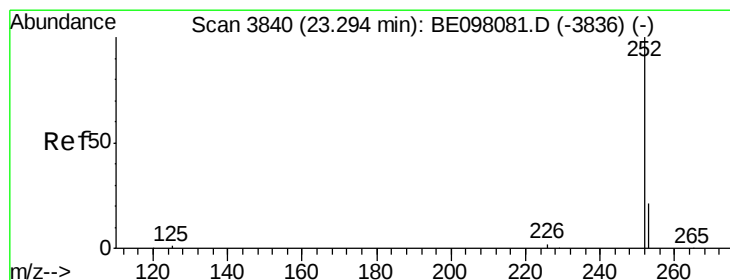
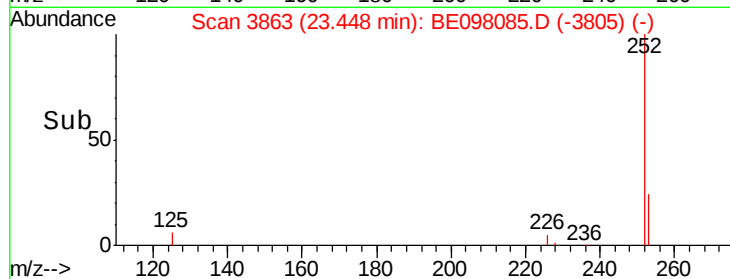
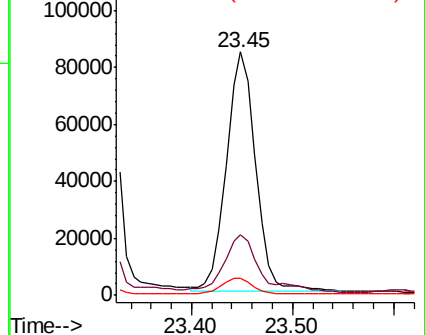
125 7.1 0.0 16.8



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: 18.857 ng/ul

RT: 23.45 min Scan# 3863

Delta R.T. 0.15 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

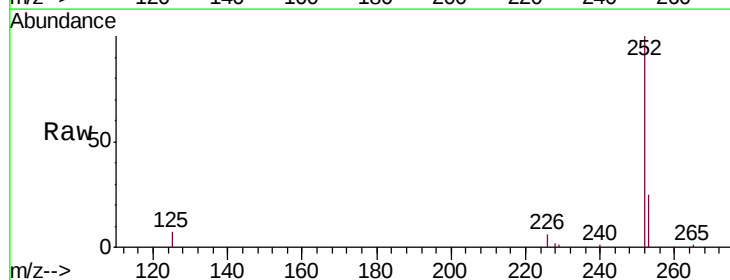
Tgt Ion:252 Resp: 169067

Ion Ratio Lower Upper

252 100

253 24.6 19.3 28.9

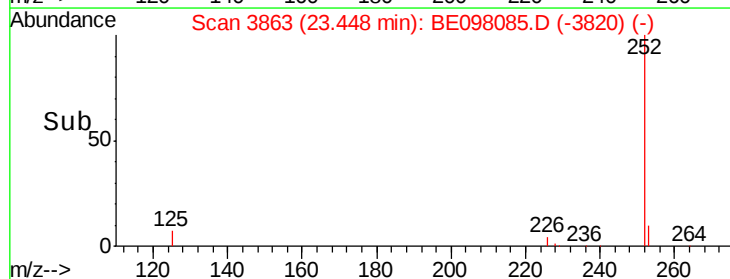
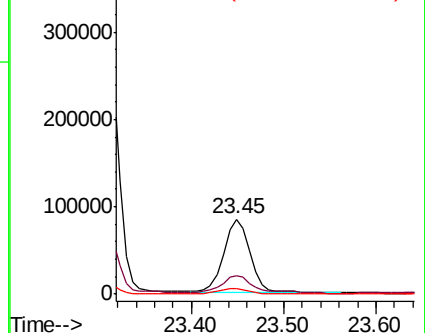
125 7.1 6.2 9.2

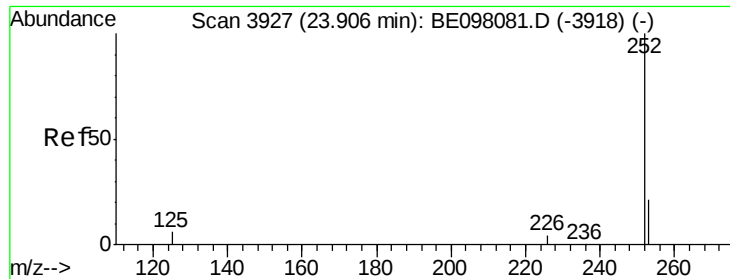


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 19.747 ng/u1

RT: 24.09 min Scan# 3954

Delta R.T. 0.18 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Instrument :

BNA_E

ClientSampleId :

C0AE2

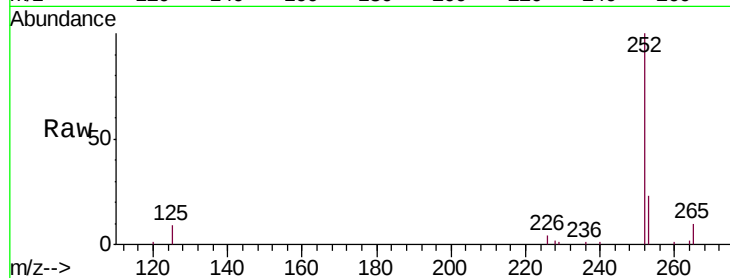
Tgt Ion:252 Resp: 173960

Ion Ratio Lower Upper

252 100

253 23.3 19.4 29.2

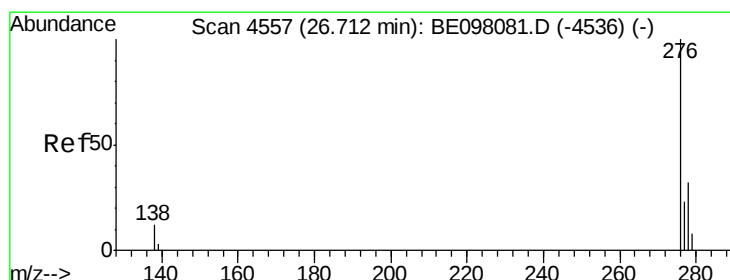
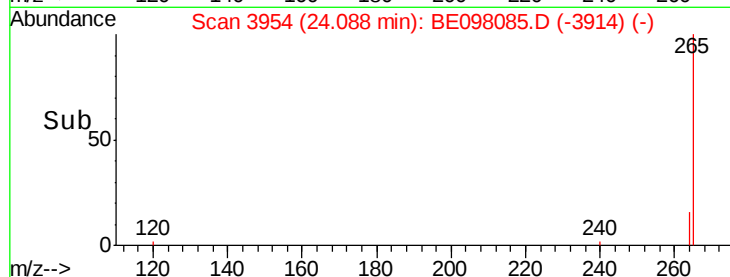
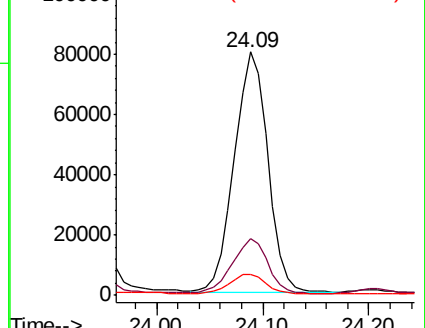
125 8.8 7.8 11.8



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 50.101 ng/u1

RT: 26.74 min Scan# 4566

Delta R.T. 0.03 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

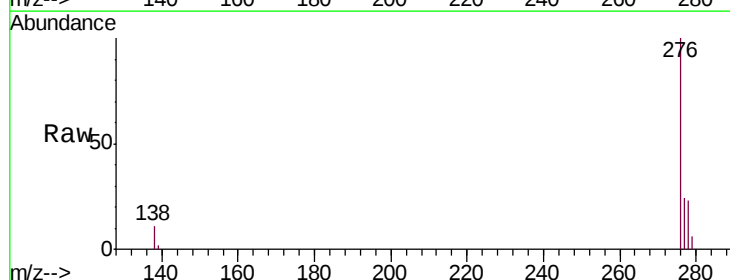
Tgt Ion:276 Resp: 505770

Ion Ratio Lower Upper

276 100

138 11.5 11.8 17.8#

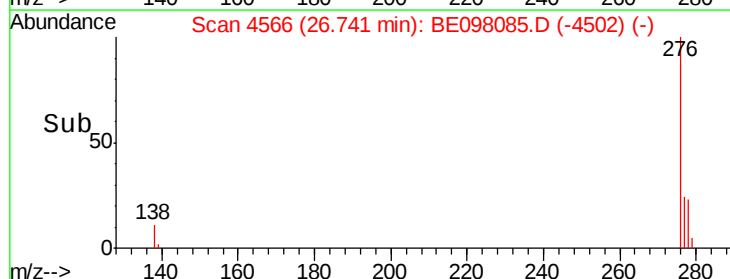
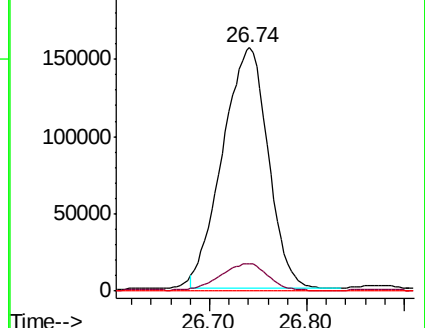
227 0.0 0.0 0.0

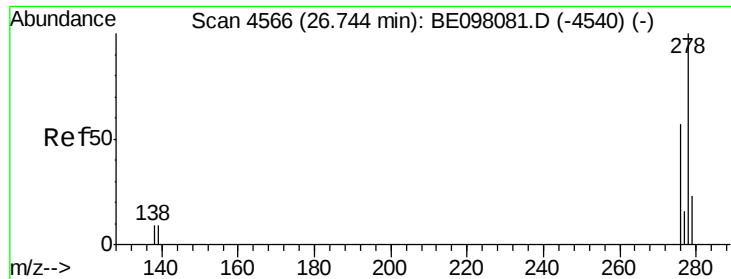


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

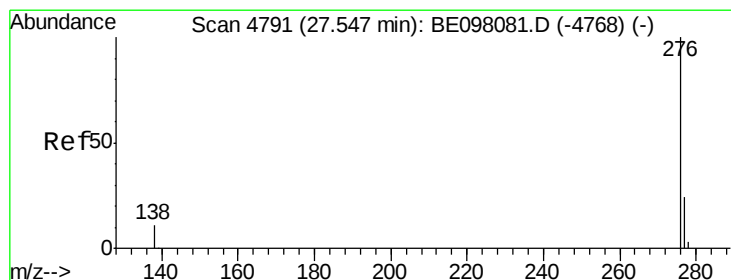
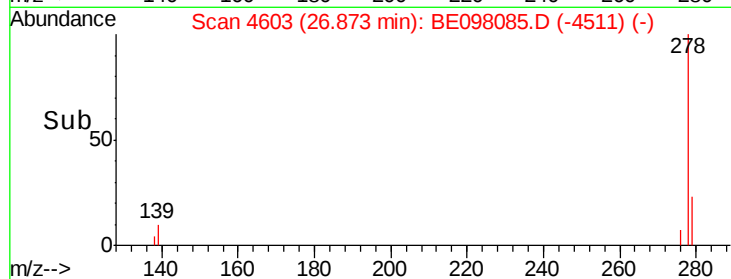
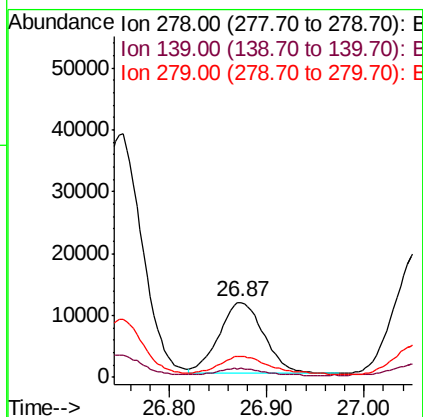
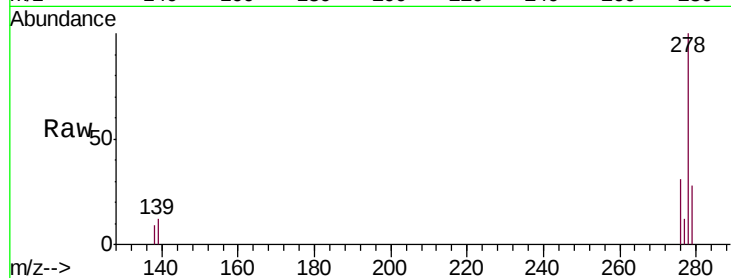




#25
Dibenzo(a,h)anthracene
Concen: 4.431 ng/ul
RT: 26.87 min Scan# 4603
Delta R.T. 0.13 min
Lab File: BE098085.D
Acq: 26 Oct 2018 12:27

Instrument :
BNA_E
ClientSampleId :
C0AE2

Tgt Ion:278 Resp: 37277
Ion Ratio Lower Upper
278 100
139 11.8 10.0 15.0
279 28.3 20.3 30.5



#26
Benzo(g,h,i)perylene
Concen: 43.170 ng/ul
RT: 27.57 min Scan# 4797
Delta R.T. 0.02 min
Lab File: BE098085.D
Acq: 26 Oct 2018 12:27

Tgt Ion:276 Resp: 366874
Ion Ratio Lower Upper
276 100
138 11.6 11.6 17.4
277 23.9 20.8 31.2

