

Data File : BE098092.D
Acq On : 26 Oct 2018 17:14
Operator : SJ/JU
Sample : J5598-11DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD5DL

Quant Time: Oct 26 23:21:19 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	1023	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	5149	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	3650	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.29	188	8770	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	11685	0.40	ng/ul	0.00
20) Perylene-d12	24.02	264	10544	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	471	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.32	212	1637	0.06	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.73	128	974	0.079	ng/ul#	85
5) 2-Methylnaphthalene	12.34	142	291	0.031	ng/ul	96
7) Acenaphthylene	14.25	152	671	0.047	ng/ul#	78
12) Phenanthrene	17.33	178	1724	0.085	ng/ul#	93
13) Anthracene	17.42	178	1183	0.059	ng/ul#	84
15) Fluoranthene	19.35	202	13149	0.510	ng/ul	99
17) Pyrene	19.71	202	20070	0.736	ng/ul	99
18) Benzo(a)anthracene	21.45	228	13756	0.400	ng/ul	96
19) Chrysene	21.51	228	13345	0.502	ng/ul	98
21) Benzo(b)fluoranthene	23.24	252	41250	1.412	ng/ul	98
22) Benzo(k)fluoranthene	23.24	252	41250	1.443	ng/ul	98
23) Benzo(a)pyrene	23.91	252	11838	0.421	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	26.71	276	9766	0.303	ng/ul#	96
25) Dibenzo(a,h)anthracene	26.73	278	2474	0.092	ng/ul#	73
26) Benzo(g,h,i)perylene	27.54	276	7305	0.270	ng/ul	98

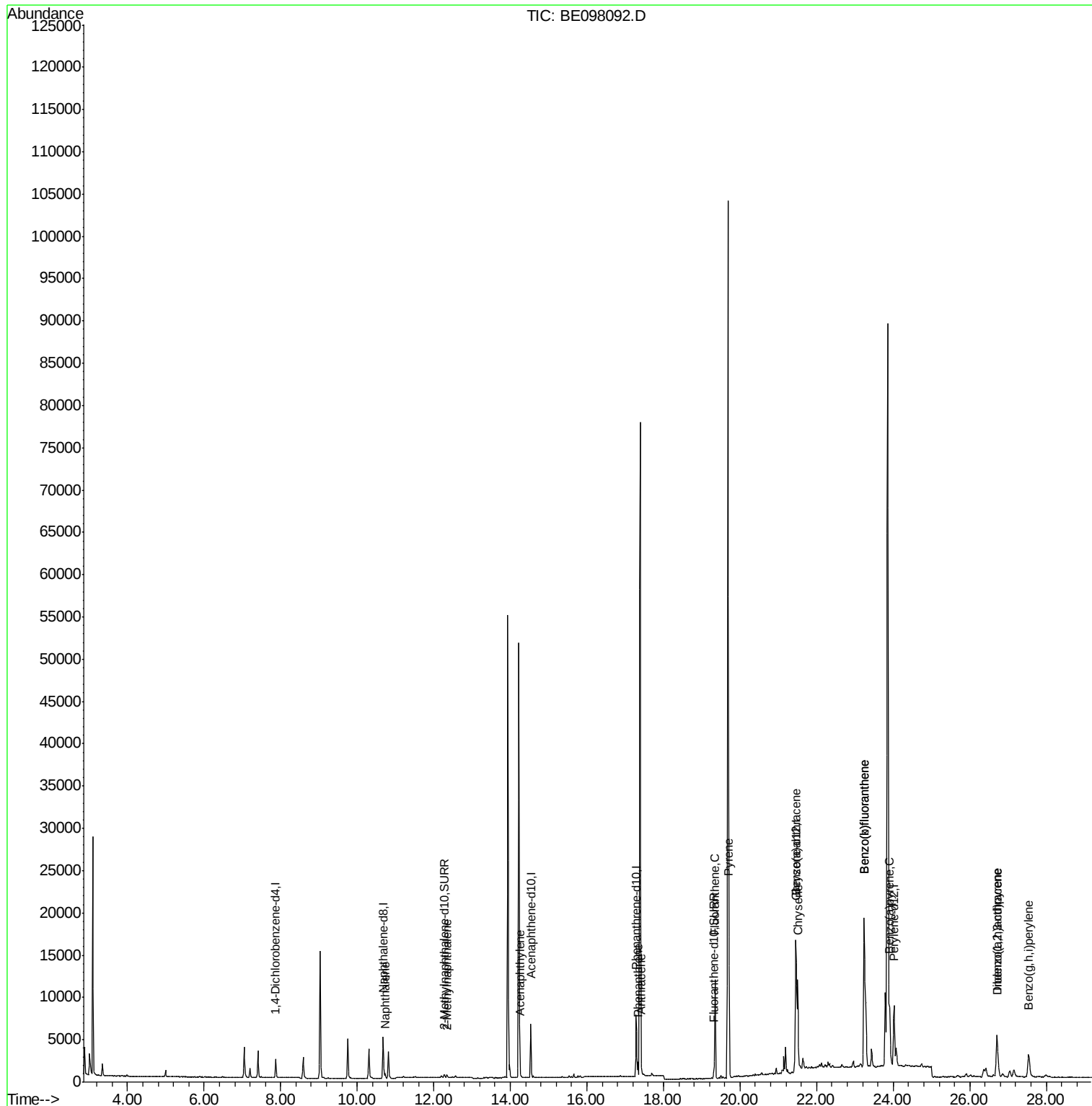
(#) = qualifier out of range (m) = manual integration (+) = signals summed

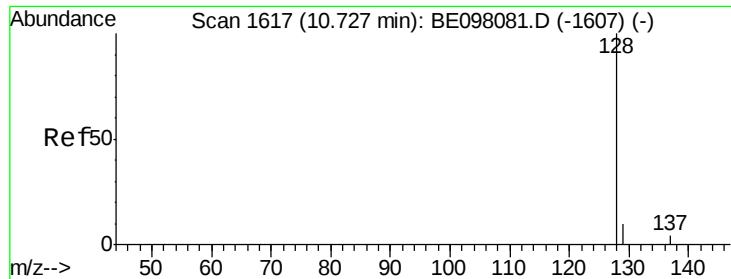
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#3

Naphthalene

Concen: 0.079 ng/ul

RT: 10.73 min Scan# 1617

Delta R.T. 0.00 min

Lab File: BE098092.D

Acq: 26 Oct 2018 17:14

Instrument :

BNA_E

ClientSampleId :

C0AD5DL

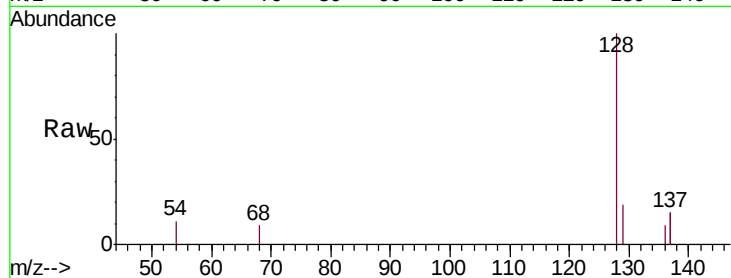
Tgt Ion:128 Resp: 974

Ion Ratio Lower Upper

128 100

129 19.1 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

10.73

800

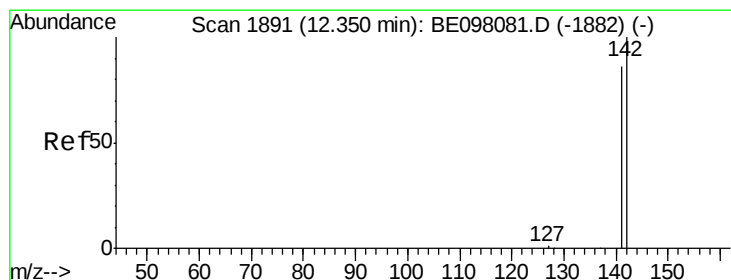
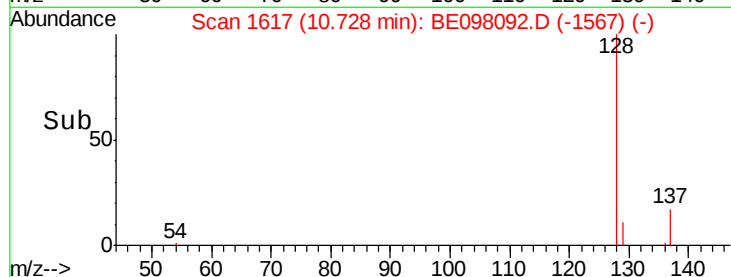
600

400

200

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.031 ng/ul

RT: 12.34 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BE098092.D

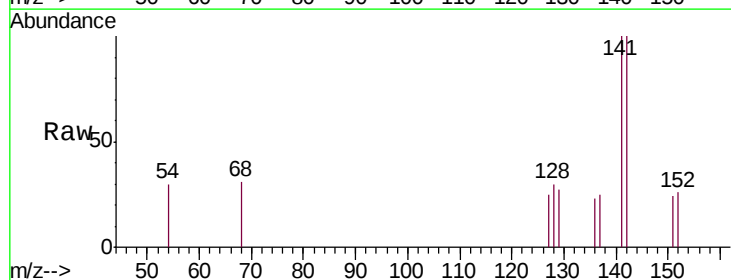
Acq: 26 Oct 2018 17:14

Tgt Ion:142 Resp: 291

Ion Ratio Lower Upper

142 100

141 86.6 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.34

200

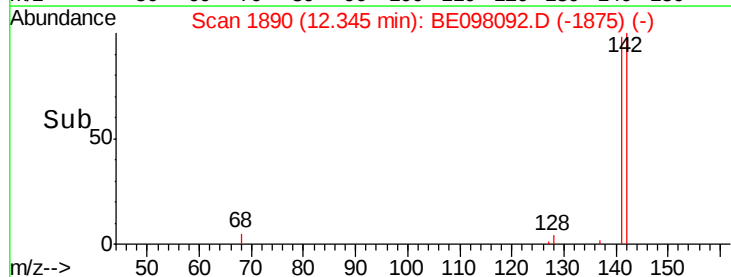
150

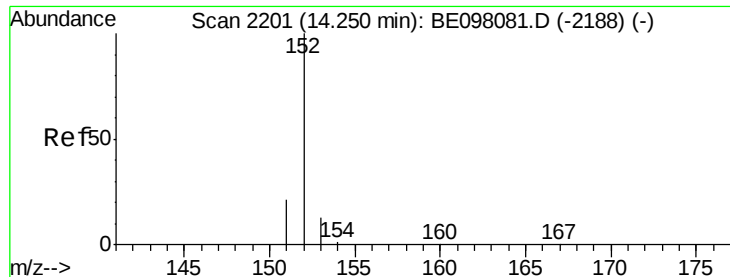
100

50

0

Time-->





#7

Acenaphthylene

Concen: 0.047 ng/ul

RT: 14.25 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BE098092.D

Acq: 26 Oct 2018 17:14

Instrument :

BNA_E

ClientSampleId :

C0AD5DL

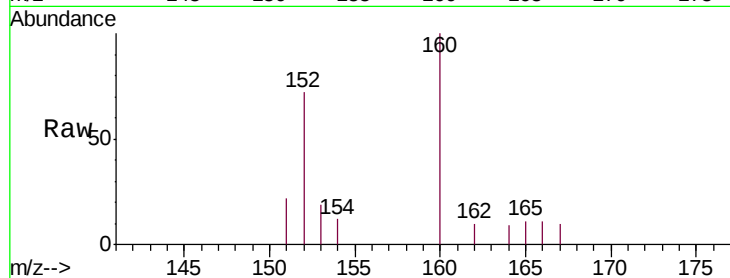
Tgt Ion:152 Resp: 671

Ion Ratio Lower Upper

152 100

151 30.5 17.3 25.9#

153 26.2 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

14.25

400

300

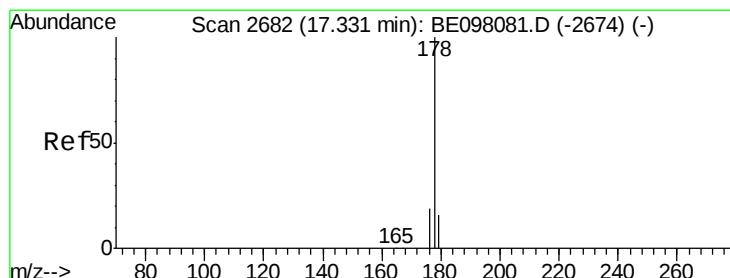
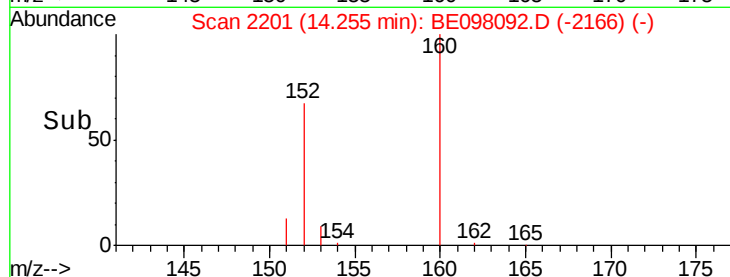
200

100

0

Time-->

14.20 14.30 14.40



#12

Phenanthrene

Concen: 0.085 ng/ul

RT: 17.33 min Scan# 2681

Delta R.T. -0.00 min

Lab File: BE098092.D

Acq: 26 Oct 2018 17:14

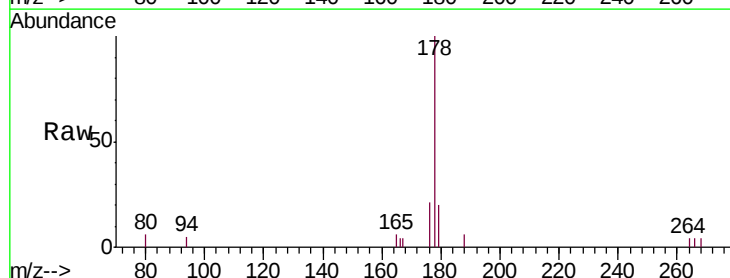
Tgt Ion:178 Resp: 1724

Ion Ratio Lower Upper

178 100

179 20.3 13.0 19.4#

176 21.5 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

17.33

1500

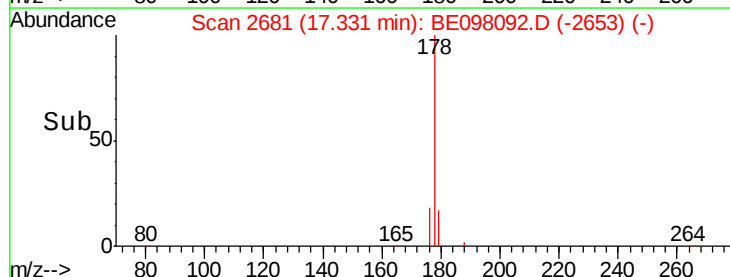
1000

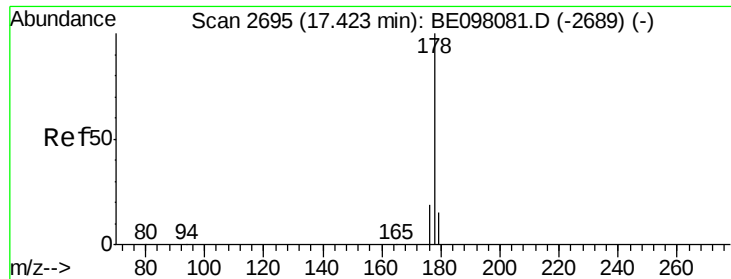
500

0

Time-->

17.20 17.30 17.40





#13

Anthracene

Concen: 0.059 ng/ul

RT: 17.42 min Scan# 2694

Delta R.T. -0.00 min

Lab File: BE098092.D

Acq: 26 Oct 2018 17:14

Instrument :

BNA_E

ClientSampleId :

C0AD5DL

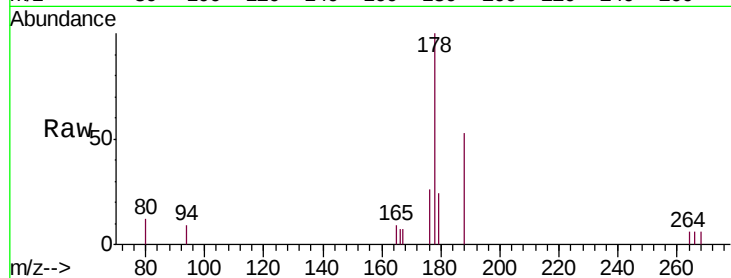
Tgt Ion:178 Resp: 1183

Ion Ratio Lower Upper

178 100

179 24.2 12.6 19.0#

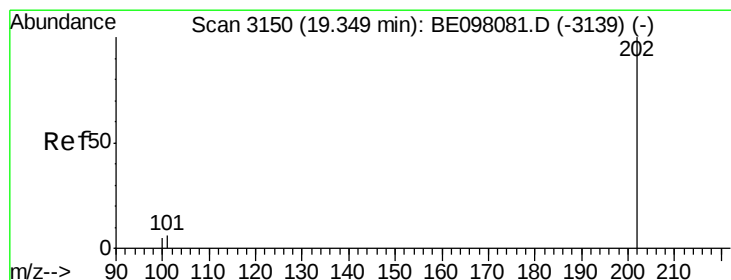
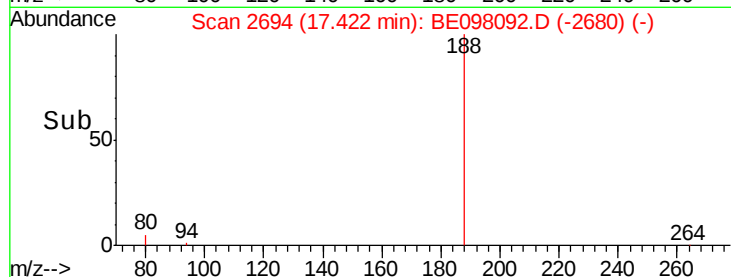
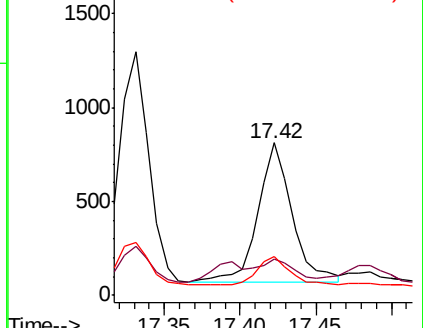
176 25.5 15.6 23.4#



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: 0.510 ng/ul

RT: 19.35 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BE098092.D

Acq: 26 Oct 2018 17:14

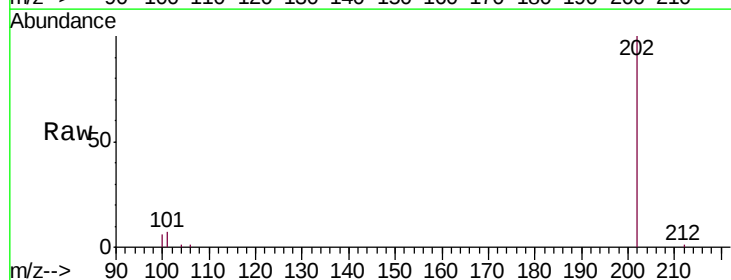
Tgt Ion:202 Resp: 13149

Ion Ratio Lower Upper

202 100

101 7.0 0.0 27.5

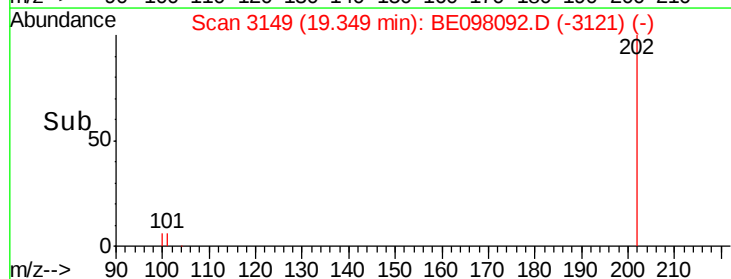
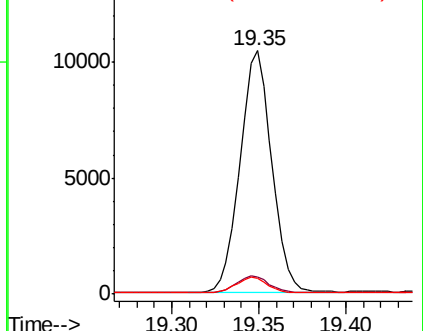
100 6.2 0.0 26.0

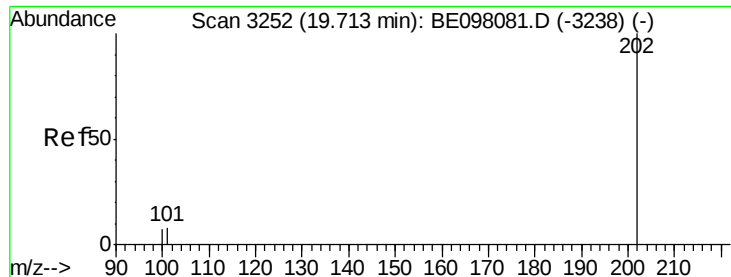


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

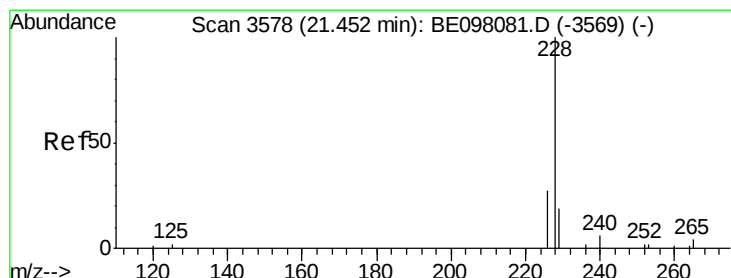
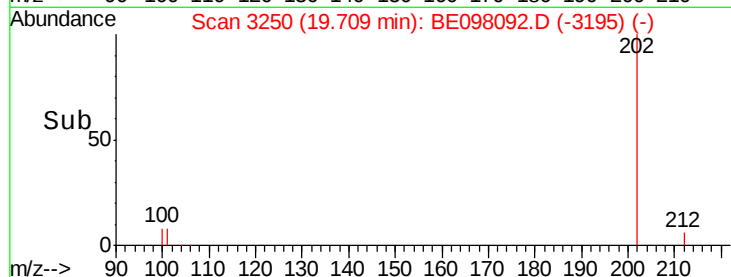
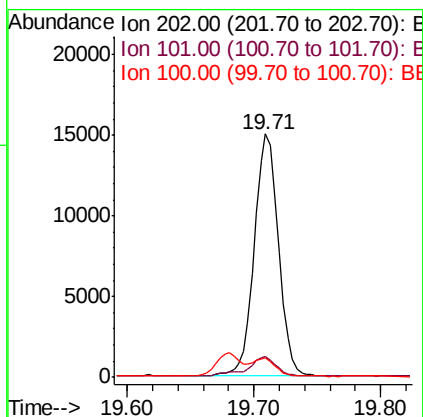
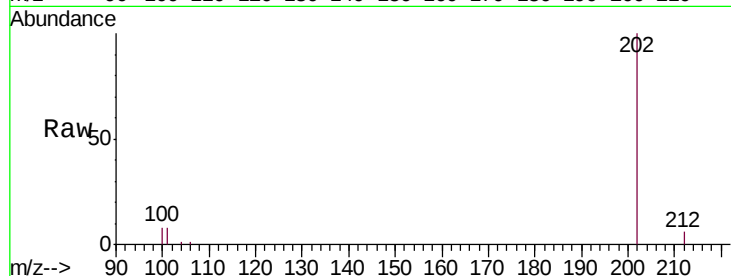




#17
Pyrene
Concen: 0.736 ng/ul
RT: 19.71 min Scan# 3250
Delta R.T. -0.00 min
Lab File: BE098092.D
Acq: 26 Oct 2018 17:14

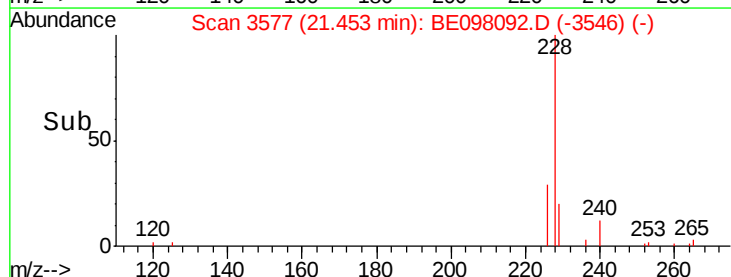
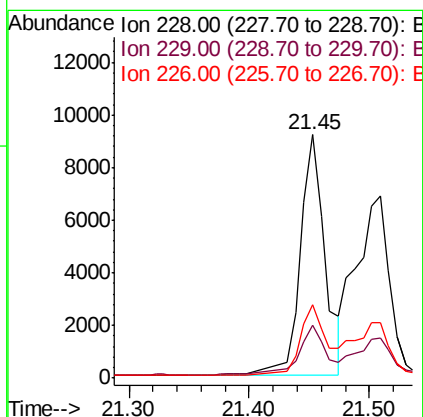
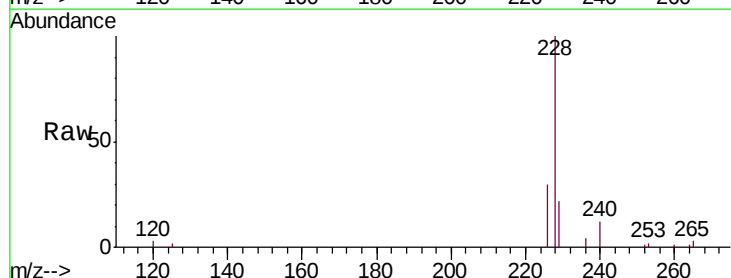
Instrument :
BNA_E
ClientSampleId :
C0AD5DL

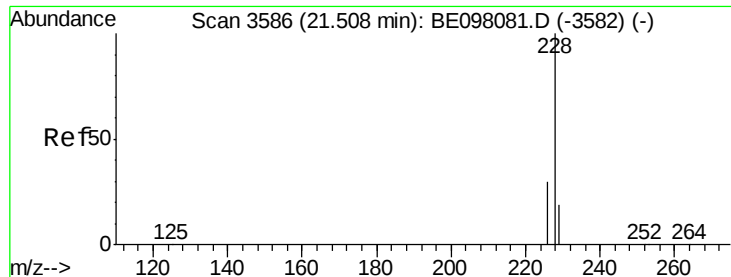
Tgt Ion:202 Resp: 20070
Ion Ratio Lower Upper
202 100
101 8.4 6.9 10.3
100 8.1 6.0 9.0



#18
Benzo(a)anthracene
Concen: 0.400 ng/ul
RT: 21.45 min Scan# 3577
Delta R.T. 0.00 min
Lab File: BE098092.D
Acq: 26 Oct 2018 17:14

Tgt Ion:228 Resp: 13756
Ion Ratio Lower Upper
228 100
229 21.6 16.1 24.1
226 29.9 22.2 33.4





#19

Chrysene

Concen: 0.502 ng/ul

RT: 21.51 min Scan# 3585

Delta R.T. 0.00 min

Lab File: BE098092.D

Acq: 26 Oct 2018 17:14

Instrument :

BNA_E

ClientSampleId :

C0AD5DL

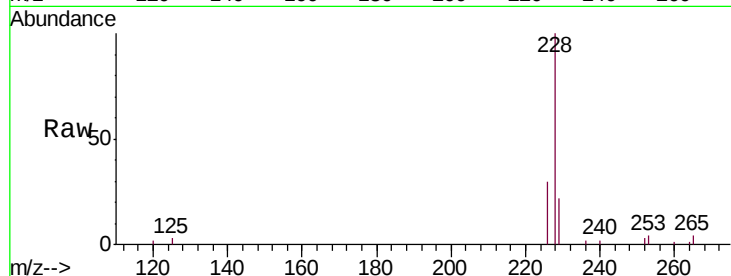
Tgt Ion:228 Resp: 13345

Ion Ratio Lower Upper

228 100

226 30.5 24.6 37.0

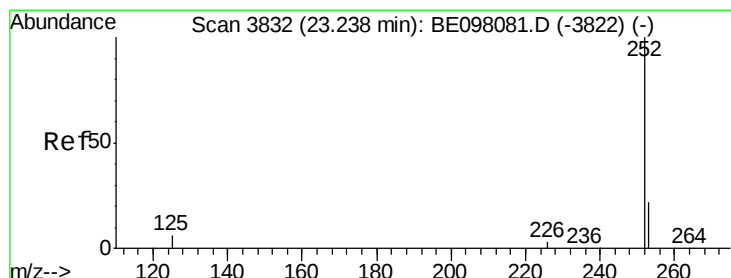
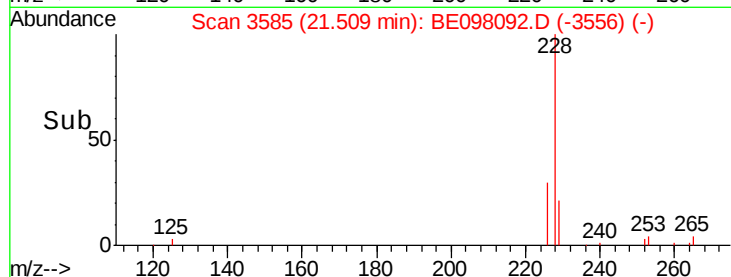
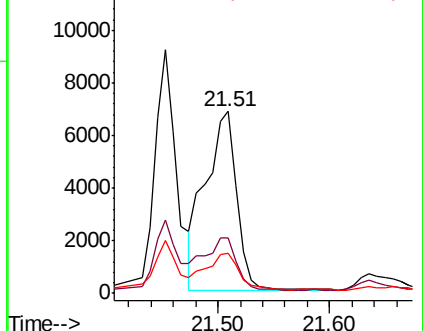
229 22.1 16.4 24.6



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: 1.412 ng/ul

RT: 23.24 min Scan# 3831

Delta R.T. 0.00 min

Lab File: BE098092.D

Acq: 26 Oct 2018 17:14

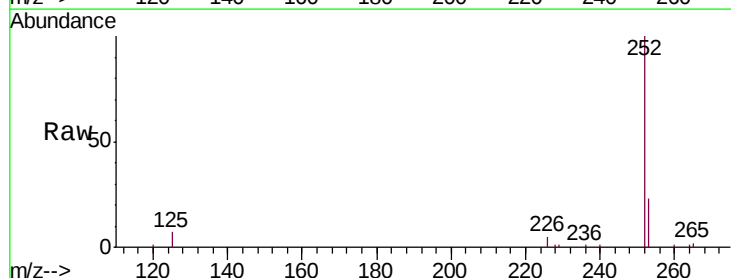
Tgt Ion:252 Resp: 41250

Ion Ratio Lower Upper

252 100

253 22.7 0.0 47.8

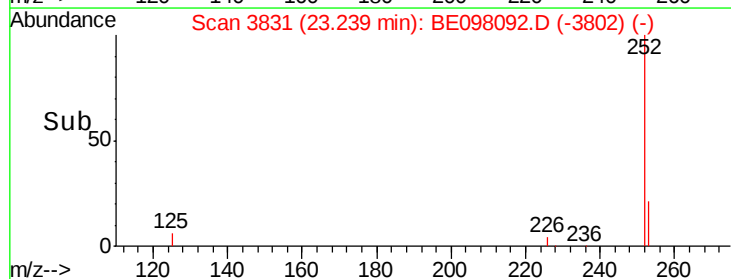
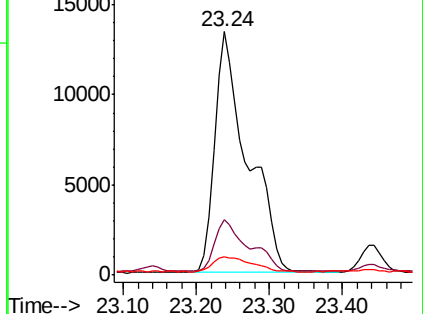
125 7.5 0.0 16.8

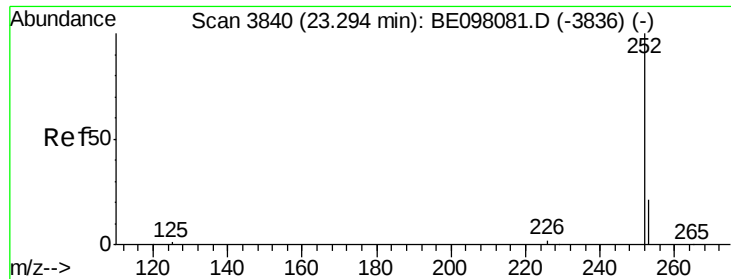


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.443 ng/ul

RT: 23.24 min Scan# 3831

Delta R.T. -0.06 min

Lab File: BE098092.D

Acq: 26 Oct 2018 17:14

Instrument :

BNA_E

ClientSampleId :

C0AD5DL

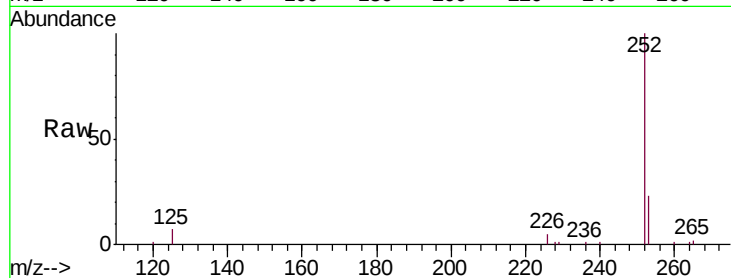
Tgt Ion:252 Resp: 41250

Ion Ratio Lower Upper

252 100

253 22.7 19.3 28.9

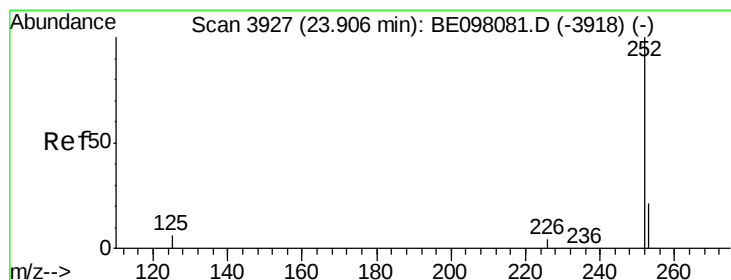
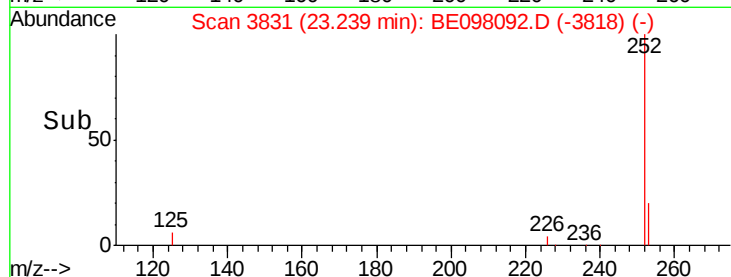
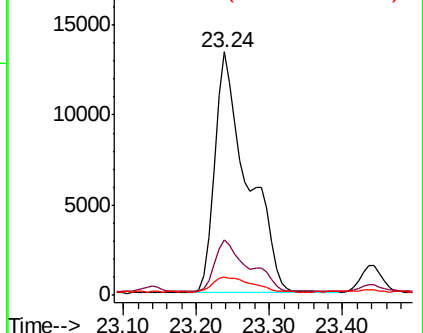
125 7.5 6.2 9.2



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: 0.421 ng/ul

RT: 23.91 min Scan# 3926

Delta R.T. 0.00 min

Lab File: BE098092.D

Acq: 26 Oct 2018 17:14

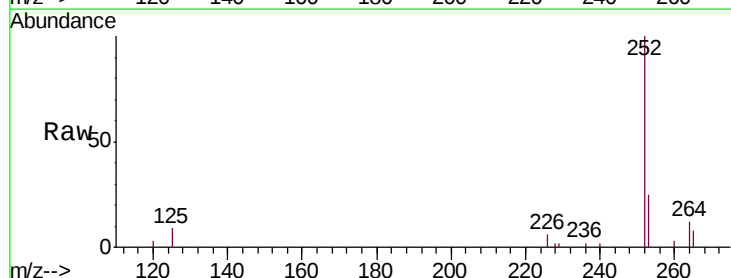
Tgt Ion:252 Resp: 11838

Ion Ratio Lower Upper

252 100

253 25.3 19.4 29.2

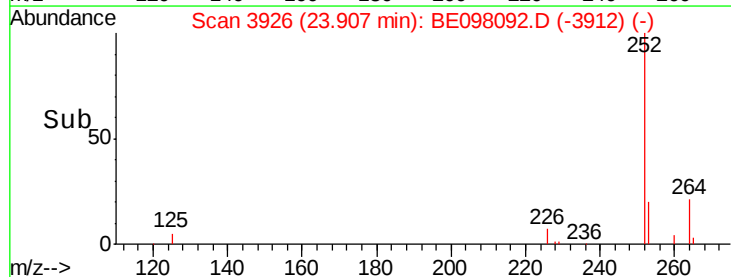
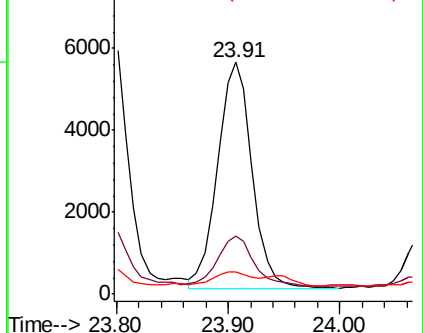
125 9.3 7.8 11.8

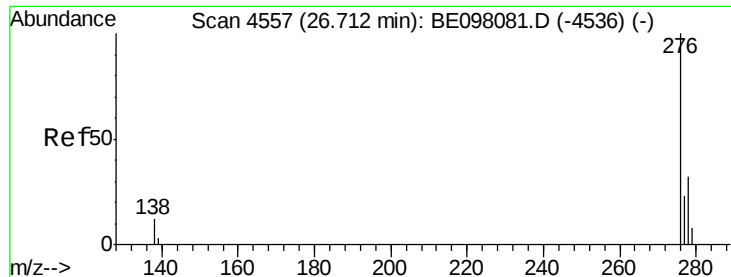


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.303 ng/u1

RT: 26.71 min Scan# 4556

Delta R.T. 0.00 min

Lab File: BE098092.D

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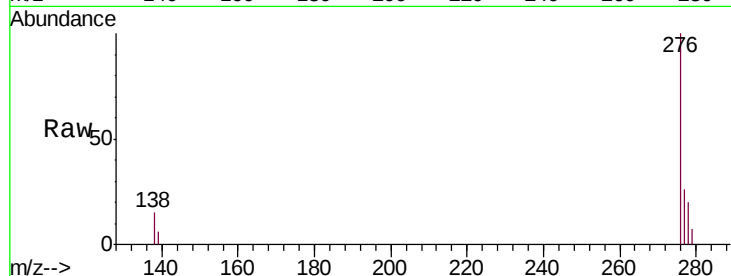
Tgt Ion:276 Resp: 9766

Ion Ratio Lower Upper

276 100

138 13.1 11.8 17.8

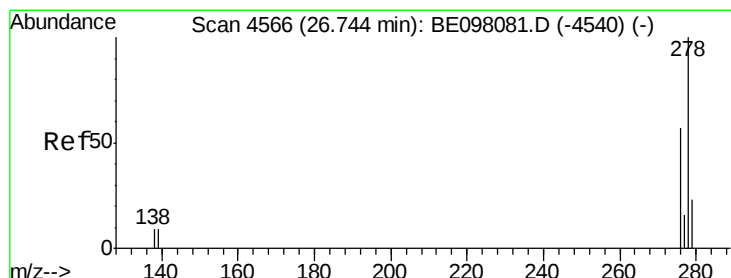
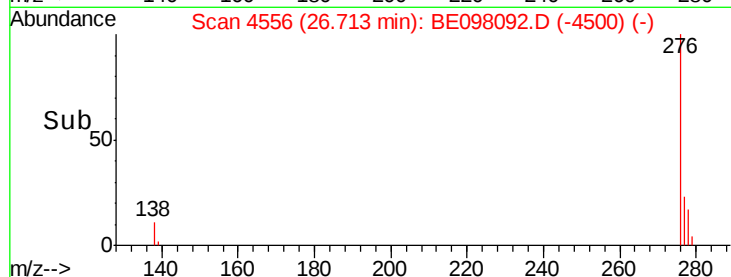
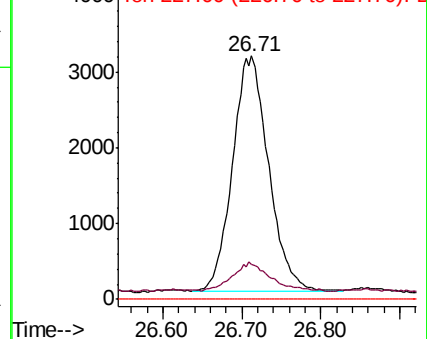
227 0.0 0.0 0.0



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: 0.092 ng/u1

RT: 26.73 min Scan# 4560

Delta R.T. -0.02 min

Lab File: BE098092.D

Acq: 26 Oct 2018 17:14

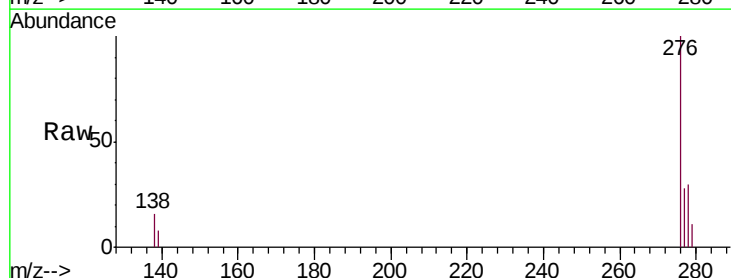
Tgt Ion:278 Resp: 2474

Ion Ratio Lower Upper

278 100

139 27.3 10.0 15.0#

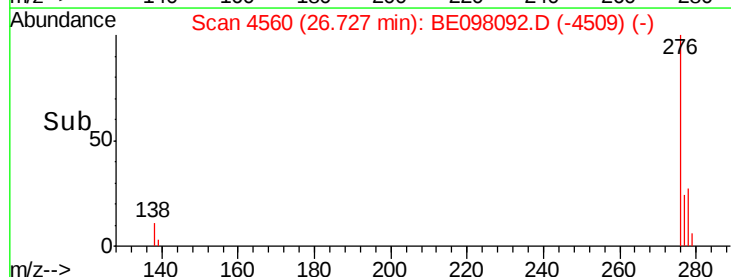
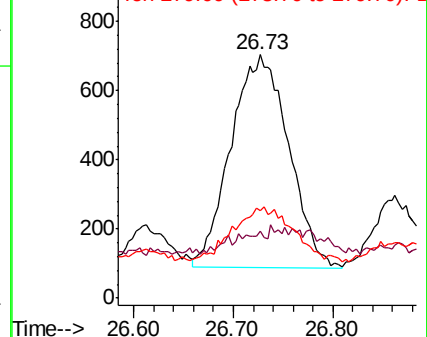
279 36.1 20.3 30.5#

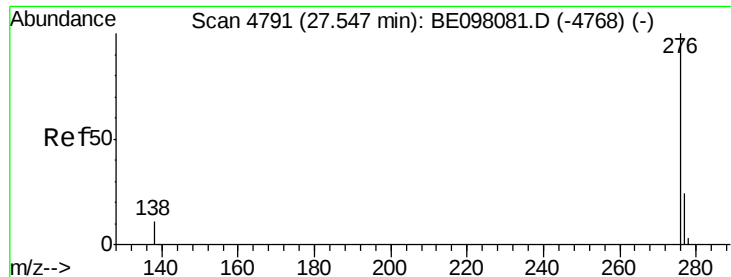


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.270 ng/ul

RT: 27.54 min Scan# 4787

Delta R.T. -0.01 min

Lab File: BE098092.D

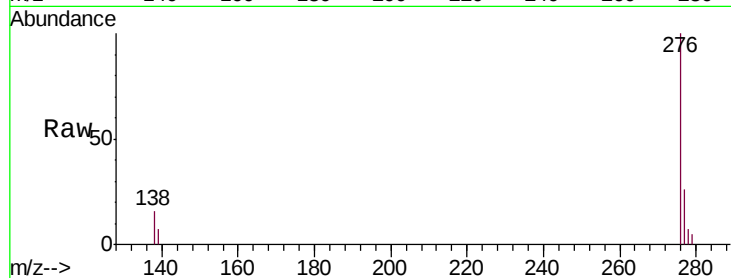
Acq: 26 Oct 2018 17:14

Instrument :

BNA_E

ClientSampleId :

C0AD5DL



Tgt Ion: 276 Resp: 7305

Ion Ratio Lower Upper

276 100

138 16.5 11.6 17.4

277 26.5 20.8 31.2

