

Data File : BE098094.D
Acq On : 26 Oct 2018 18:30
Operator : SJ/JU
Sample : J5598-04DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AE7DL

Quant Time: Oct 27 00:36:23 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 : Sat Oct 27 00:33:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	965	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	4776	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	3354	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.29	188	8029	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	11504	0.40	ng/ul	0.00
20) Perylene-d12	24.02	264	9465	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	415	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.32	212	1240	0.05	ng/ul	0.00

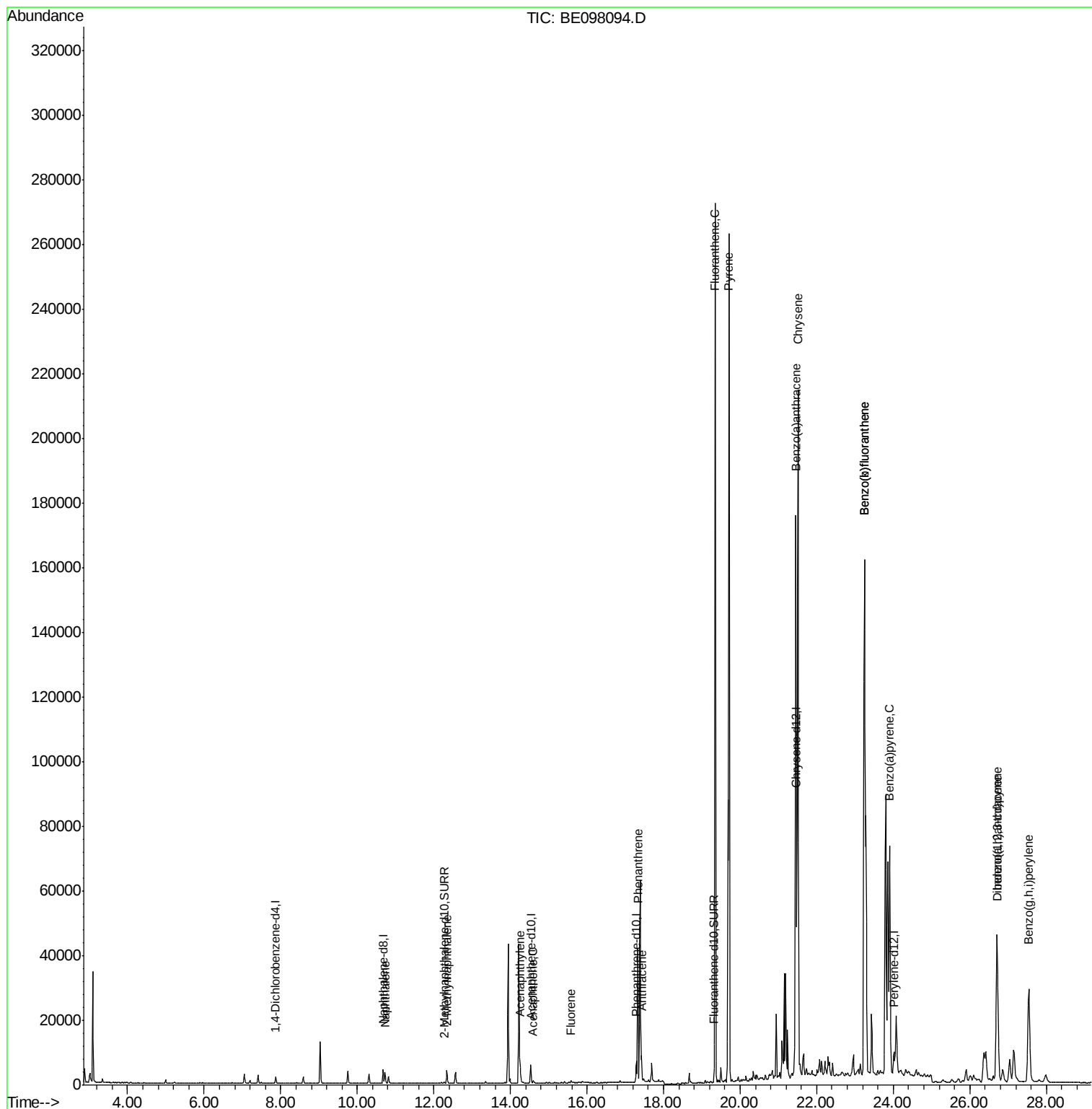
Target Compounds				Qvalue		
3) Naphthalene	10.73	128	5335	0.467	ng/ul	99
5) 2-Methylnaphthalene	12.34	142	3221	0.373	ng/ul	100
7) Acenaphthylene	14.26	152	9357	0.707	ng/ul	99
8) Acenaphthene	14.60	153	504	0.051	ng/ul#	83
9) Fluorene	15.59	166	704	0.059	ng/ul#	94
12) Phenanthrene	17.33	178	42837	2.312	ng/ul	99
13) Anthracene	17.42	178	9941	0.543	ng/ul	99
15) Fluoranthene	19.35	202	323360	13.687	ng/ul	99
17) Pyrene	19.71	202	292094	10.874	ng/ul	98
18) Benzo(a)anthracene	21.45	228	186474	5.513	ng/ul	99
19) Chrysene	21.51	228	231331	8.841	ng/ul	99
21) Benzo(b)fluoranthene	23.25	252	398650	15.202	ng/ul	97
22) Benzo(k)fluoranthene	23.25	252	398650	15.530	ng/ul#	97
23) Benzo(a)pyrene	23.91	252	109586	4.345	ng/ul#	95
24) Indeno(1,2,3-cd)pyrene	26.71	276	90844	3.143	ng/ul#	93
25) Dibenzo(a,h)anthracene	26.73	278	24472	1.016	ng/ul	98
26) Benzo(g,h,i)perylene	27.54	276	76138	3.129	ng/ul	96

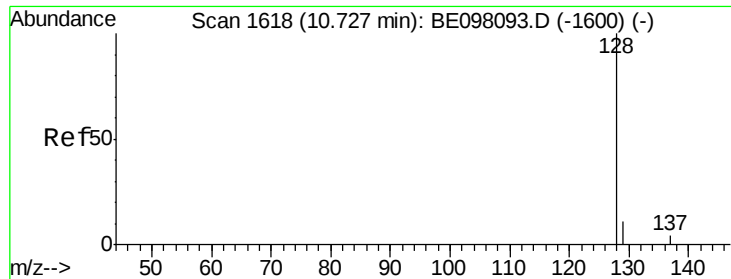
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.467 ng/ul

RT: 10.73 min Scan# 1617

Delta R.T. -0.00 min

Lab File: BE098094.D

Acq: 26 Oct 2018 18:30

Instrument :

BNA_E

ClientSampleId :

C0AE7DL

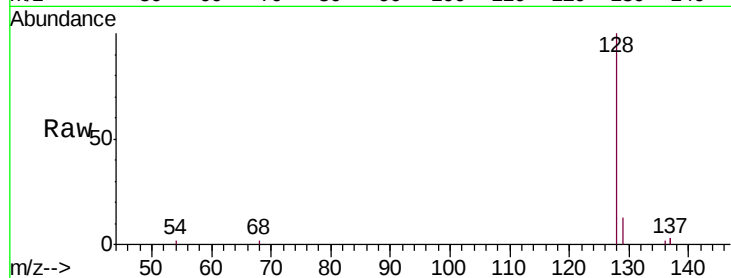
Tgt Ion:128 Resp: 5335

Ion Ratio Lower Upper

128 100

129 12.7 10.5 15.7

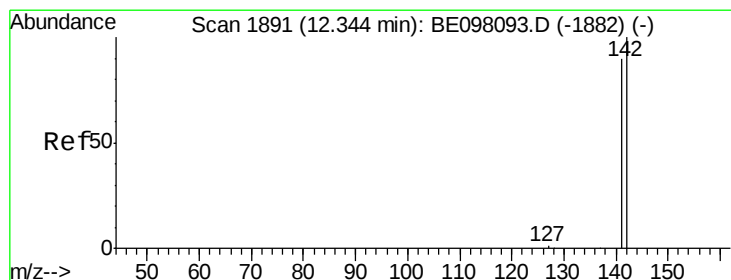
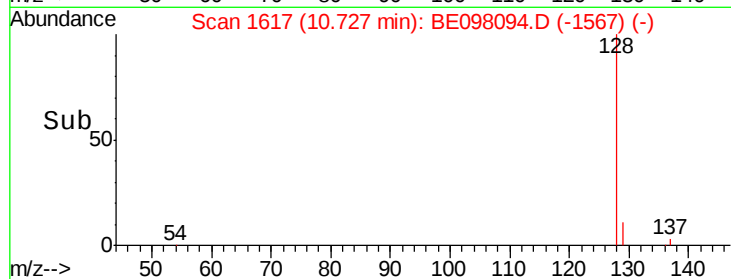
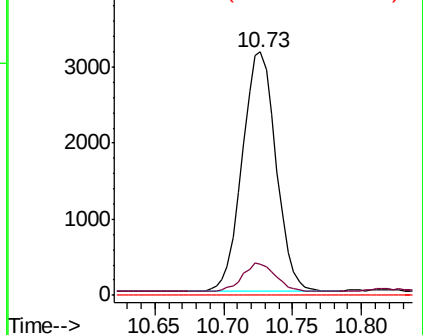
127 0.0 0.0 0.0



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: 0.373 ng/ul

RT: 12.34 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BE098094.D

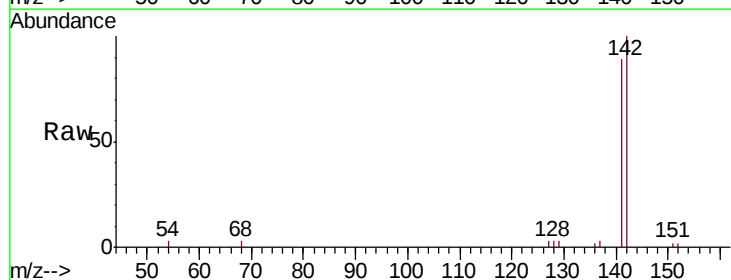
Acq: 26 Oct 2018 18:30

Tgt Ion:142 Resp: 3221

Ion Ratio Lower Upper

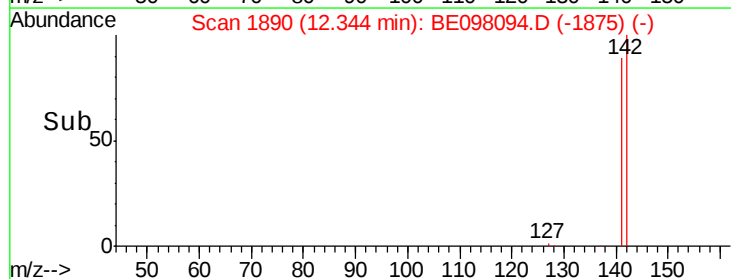
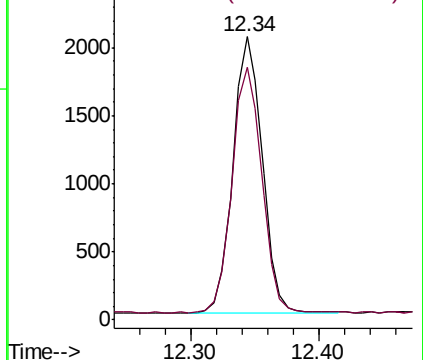
142 100

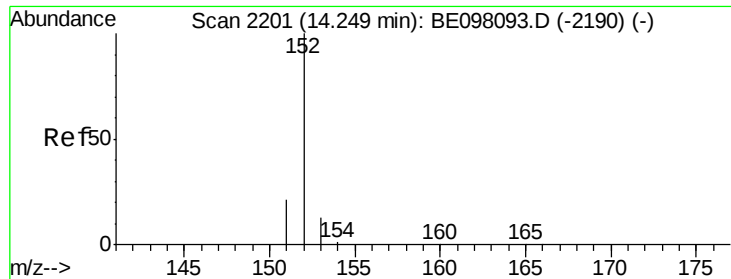
141 90.6 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.707 ng/ul

RT: 14.26 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BE098094.D

Acq: 26 Oct 2018 18:30

Instrument :

BNA_E

ClientSampleId :

C0AE7DL

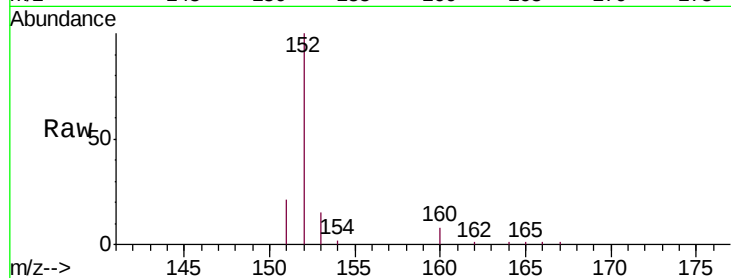
Tgt Ion:152 Resp: 9357

Ion Ratio Lower Upper

152 100

151 21.1 17.3 25.9

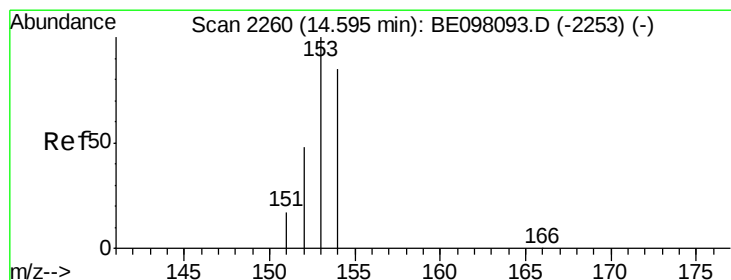
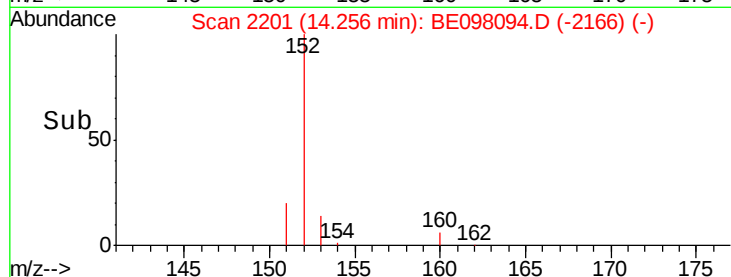
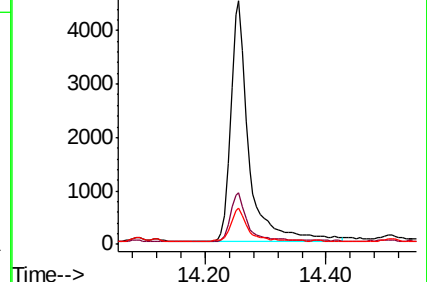
153 14.7 11.9 17.9



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: 0.051 ng/ul

RT: 14.60 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BE098094.D

Acq: 26 Oct 2018 18:30

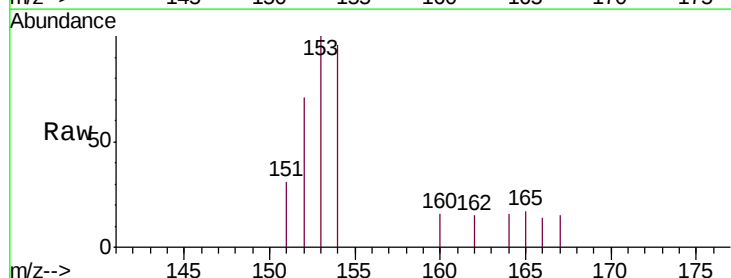
Tgt Ion:153 Resp: 504

Ion Ratio Lower Upper

153 100

152 71.0 39.4 59.0#

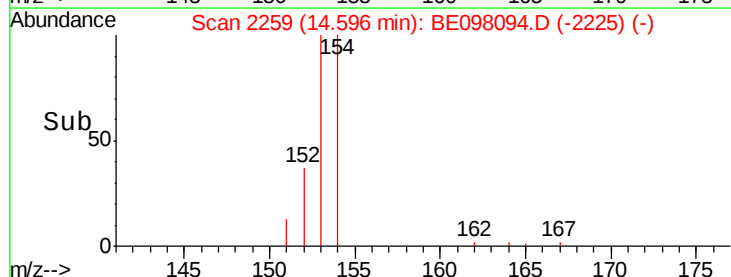
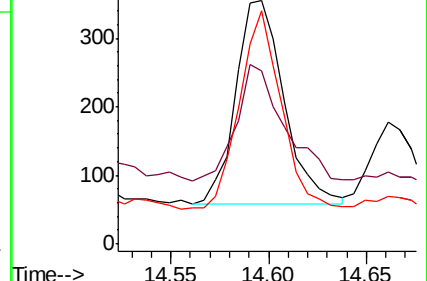
154 95.8 70.5 105.7

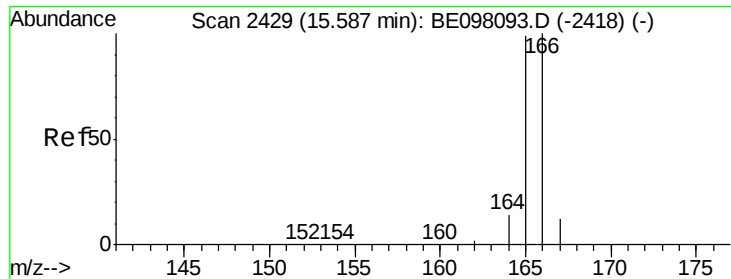


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

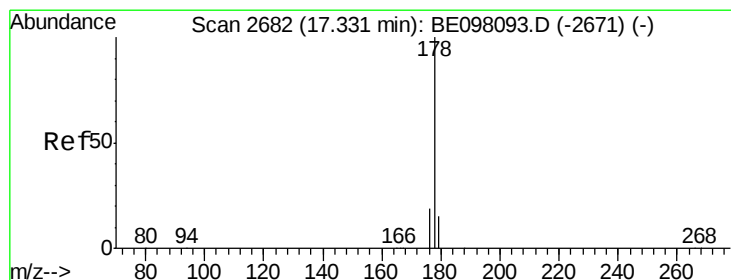
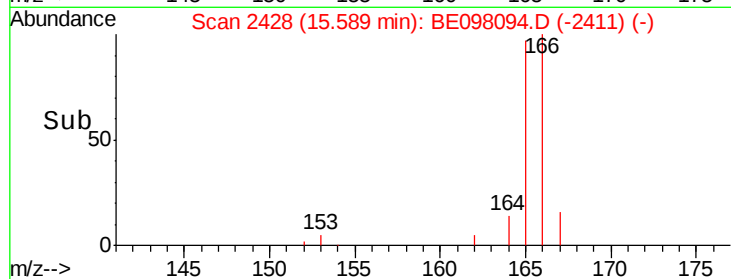
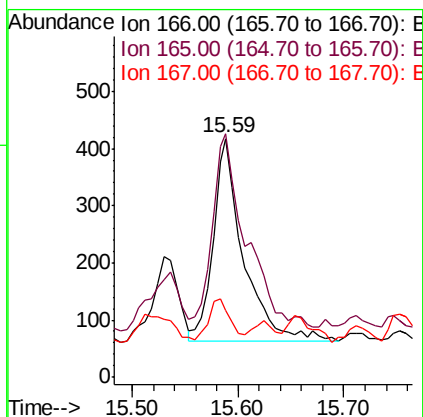
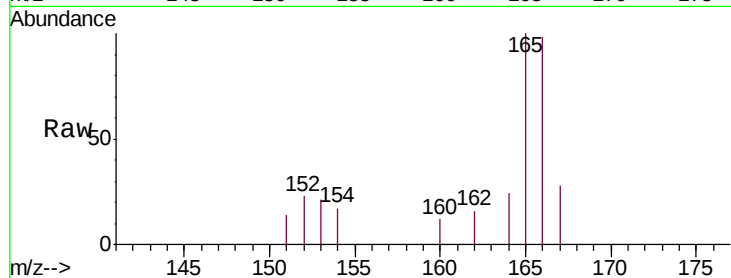




#9
Fluorene
 Concen: 0.059 ng/ul
 RT: 15.59 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BE098094.D
 Acq: 26 Oct 2018 18:30

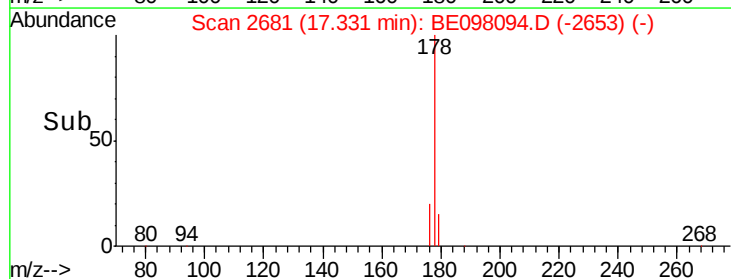
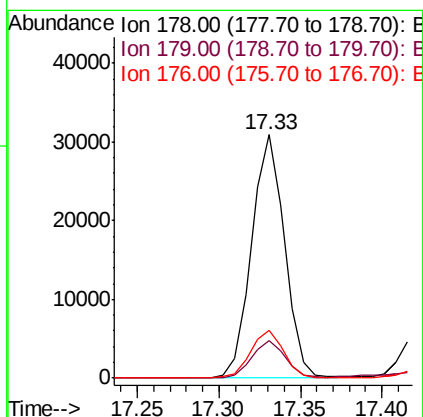
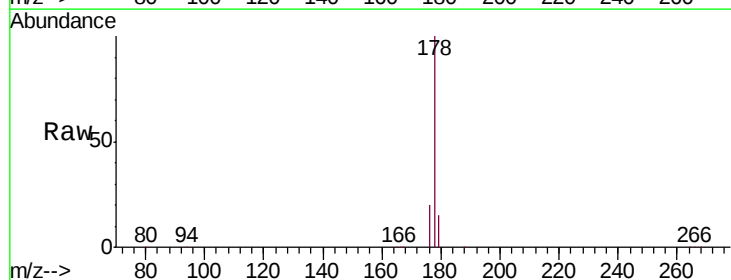
Instrument :
 BNA_E
 ClientSampleId :
 C0AE7DL

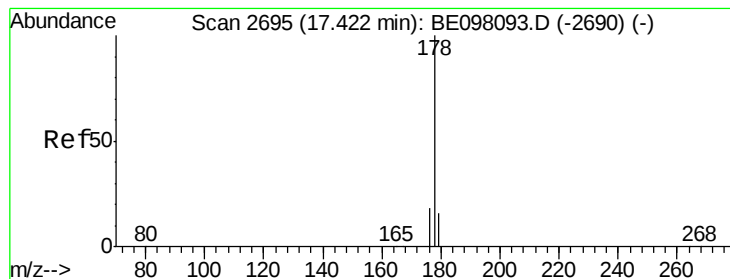
Tgt Ion:166 Resp: 704
 Ion Ratio Lower Upper
 166 100
 165 101.9 80.2 120.4
 167 28.2 12.0 18.0#



#12
Phenanthrene
 Concen: 2.312 ng/ul
 RT: 17.33 min Scan# 2681
 Delta R.T. -0.00 min
 Lab File: BE098094.D
 Acq: 26 Oct 2018 18:30

Tgt Ion:178 Resp: 42837
 Ion Ratio Lower Upper
 178 100
 179 15.3 13.0 19.4
 176 19.7 15.7 23.5





#13

Anthracene

Concen: 0.543 ng/ul

RT: 17.42 min Scan# 2694

Delta R.T. -0.00 min

Lab File: BE098094.D

Acq: 26 Oct 2018 18:30

Instrument :

BNA_E

ClientSampleId :

C0AE7DL

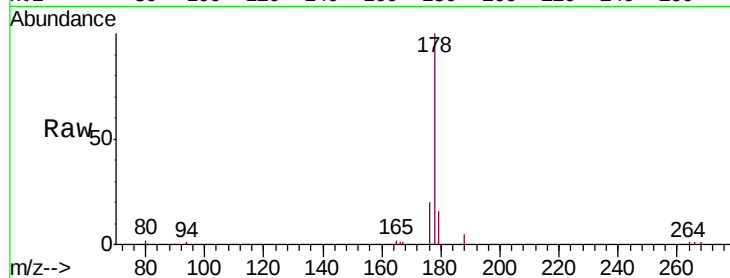
Tgt Ion:178 Resp: 9941

Ion Ratio Lower Upper

178 100

179 16.3 12.6 19.0

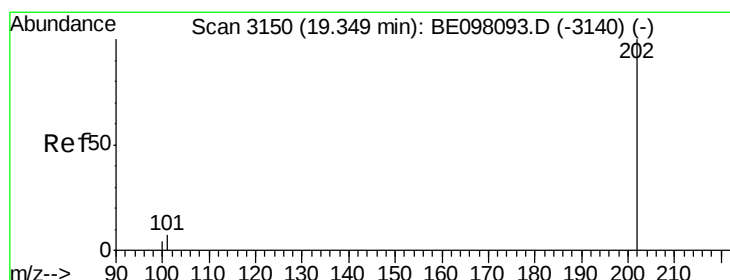
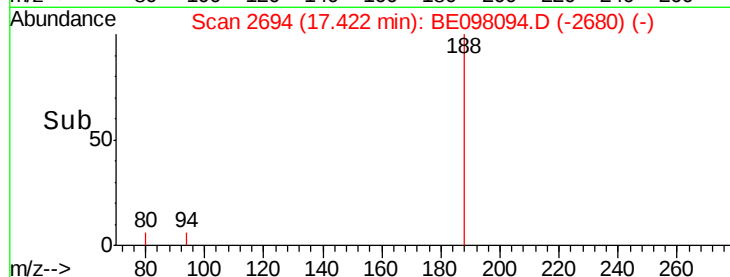
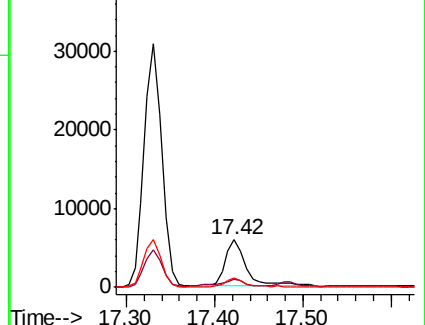
176 19.9 15.6 23.4



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: 13.687 ng/ul

RT: 19.35 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BE098094.D

Acq: 26 Oct 2018 18:30

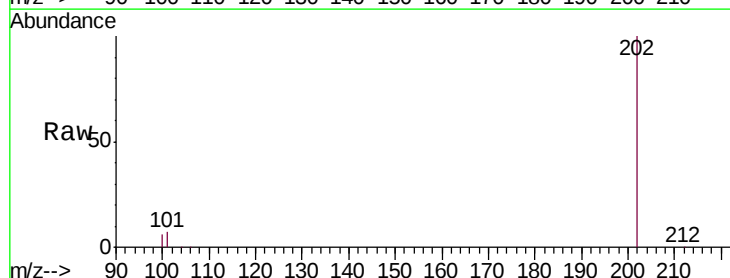
Tgt Ion:202 Resp: 323360

Ion Ratio Lower Upper

202 100

101 6.8 0.0 27.5

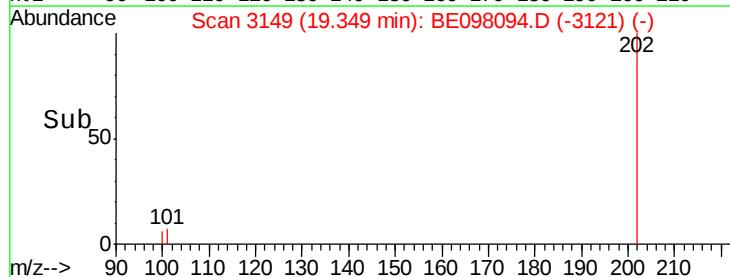
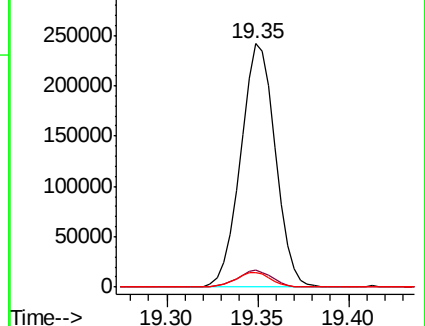
100 5.9 0.0 26.0

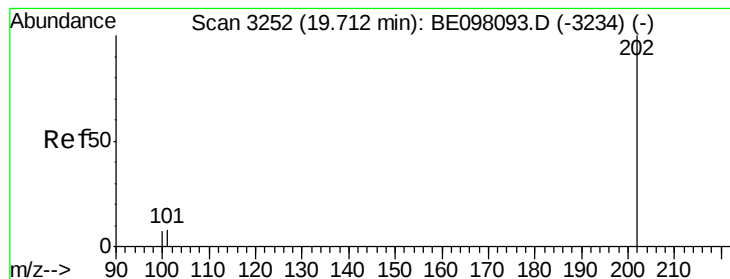


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#17

Pyrene

Concen: 10.874 ng/ul

RT: 19.71 min Scan# 3251

Delta R.T. 0.00 min

Lab File: BE098094.D

Acq: 26 Oct 2018 18:30

Instrument :

BNA_E

ClientSampleId :

C0AE7DL

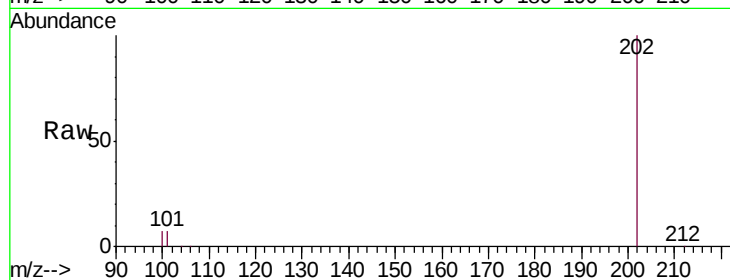
Tgt Ion:202 Resp: 292094

Ion Ratio Lower Upper

202 100

101 7.5 6.9 10.3

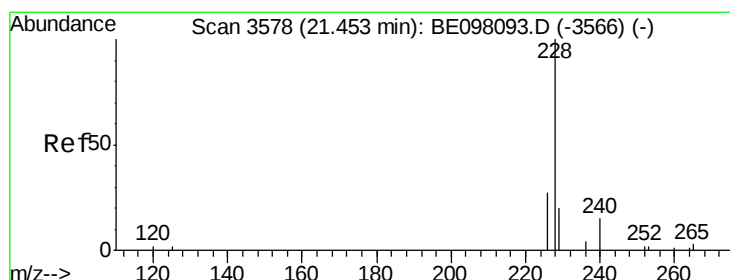
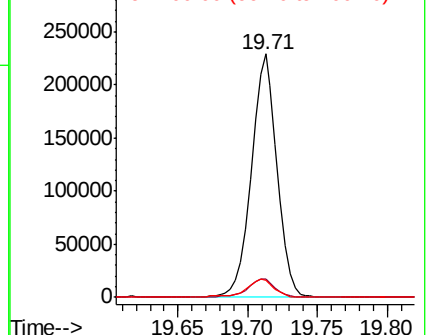
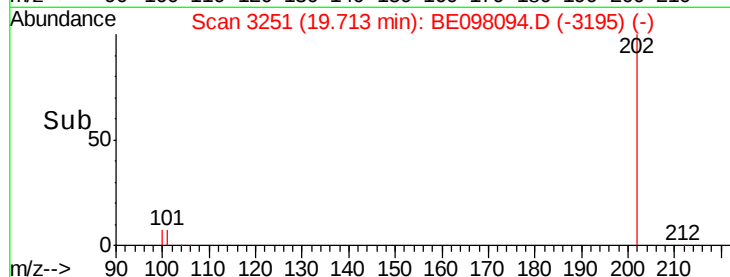
100 7.0 6.0 9.0



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: 5.513 ng/ul

RT: 21.45 min Scan# 3577

Delta R.T. -0.00 min

Lab File: BE098094.D

Acq: 26 Oct 2018 18:30

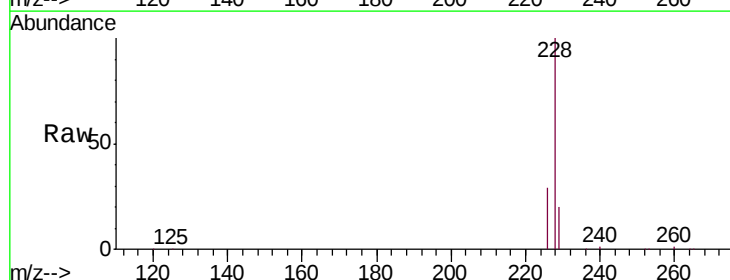
Tgt Ion:228 Resp: 186474

Ion Ratio Lower Upper

228 100

229 20.4 16.1 24.1

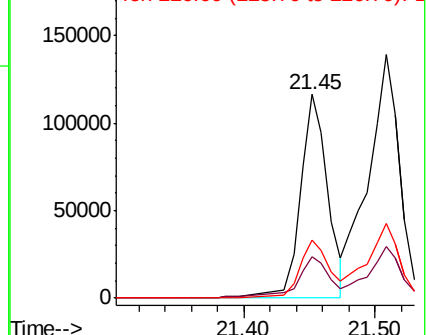
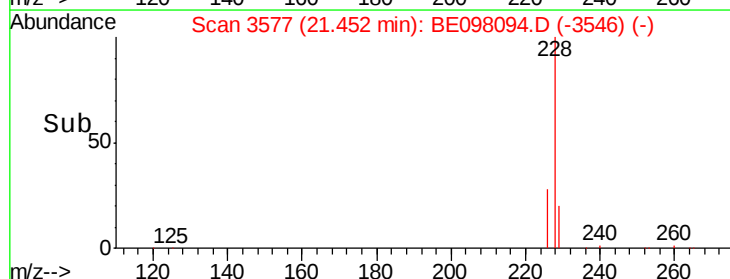
226 28.6 22.2 33.4

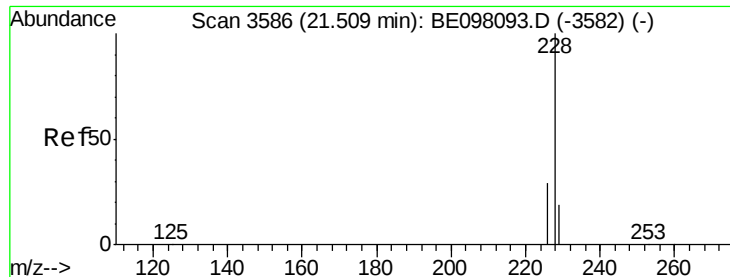


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 8.841 ng/ul

RT: 21.51 min Scan# 3585

Delta R.T. -0.00 min

Lab File: BE098094.D

Acq: 26 Oct 2018 18:30

Instrument :

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ClientSampleId :

C0AE7DL

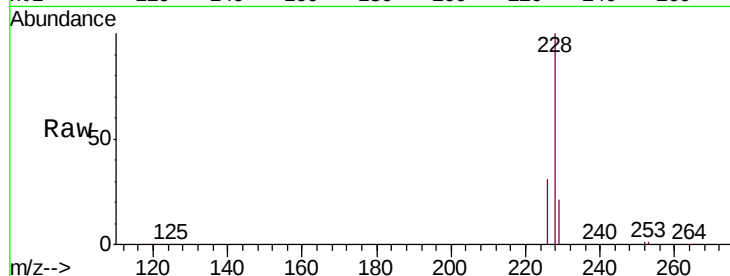
Tgt Ion:228 Resp: 231331

Ion Ratio Lower Upper

228 100

226 30.6 24.6 37.0

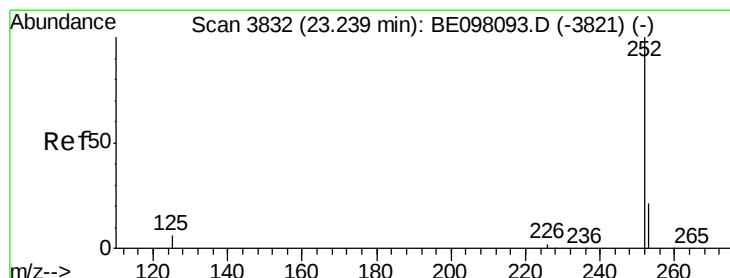
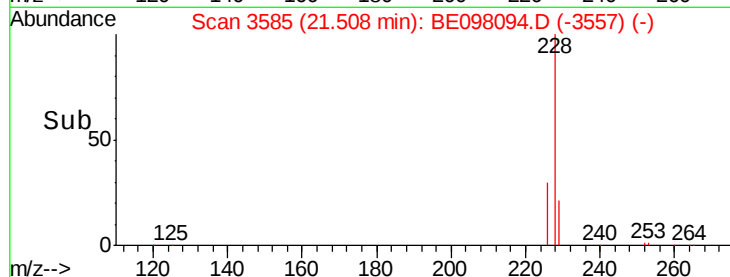
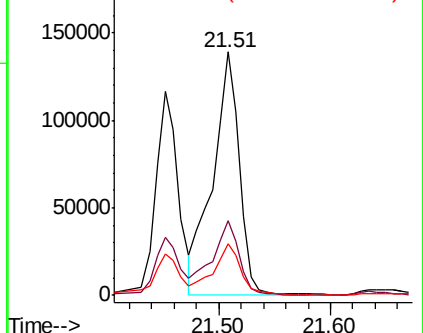
229 21.1 16.4 24.6



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: 15.202 ng/ul

RT: 23.25 min Scan# 3832

Delta R.T. 0.01 min

Lab File: BE098094.D

Acq: 26 Oct 2018 18:30

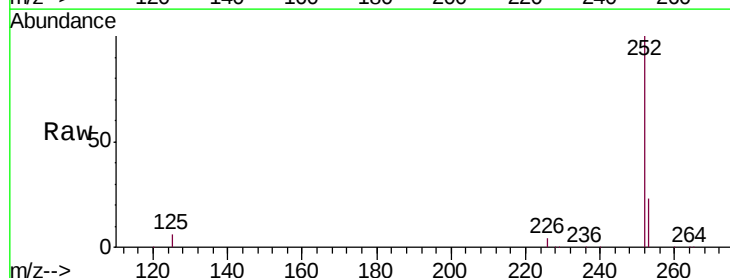
Tgt Ion:252 Resp: 398650

Ion Ratio Lower Upper

252 100

253 22.9 0.0 47.8

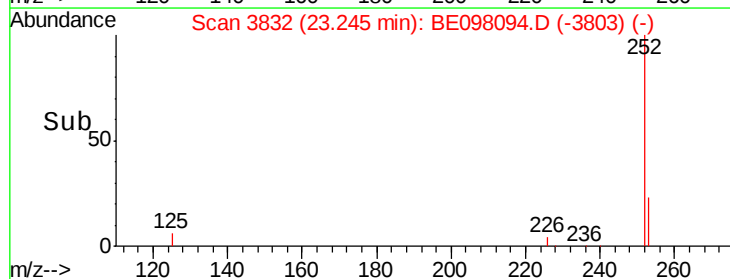
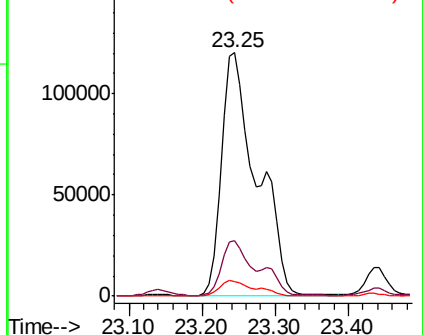
125 6.1 0.0 16.8

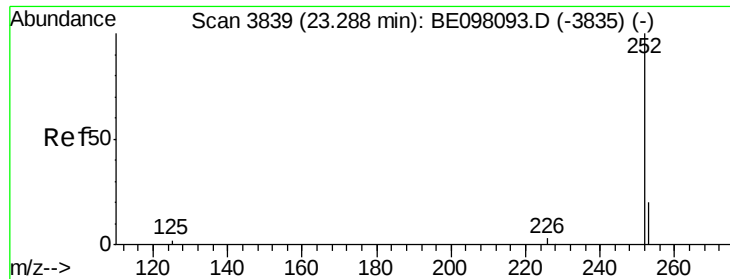


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 15.530 ng/u1

RT: 23.25 min Scan# 3832

Delta R.T. -0.04 min

Lab File: BE098094.D

Acq: 26 Oct 2018 18:30

Instrument :

BNA_E

ClientSampleId :

C0AE7DL

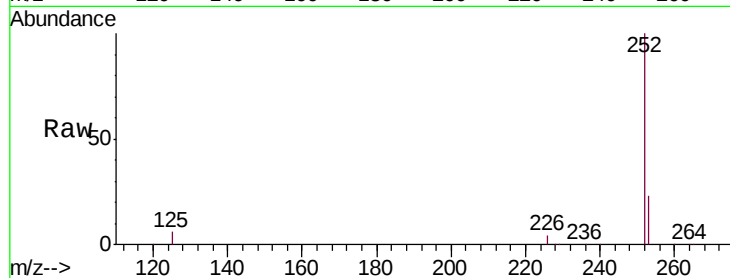
Tgt Ion:252 Resp: 398650

Ion Ratio Lower Upper

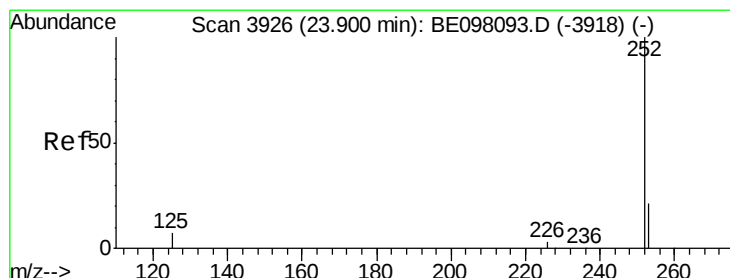
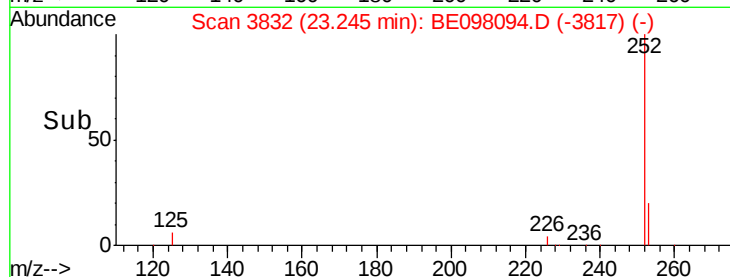
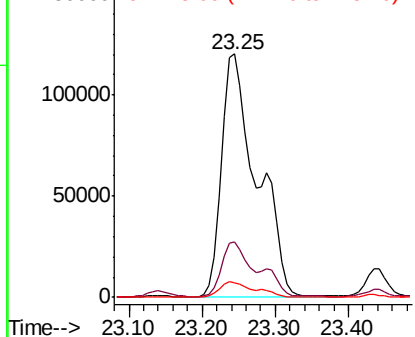
252 100

253 22.9 19.3 28.9

125 6.1 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: 4.345 ng/u1

RT: 23.91 min Scan# 3926

Delta R.T. 0.01 min

Lab File: BE098094.D

Acq: 26 Oct 2018 18:30

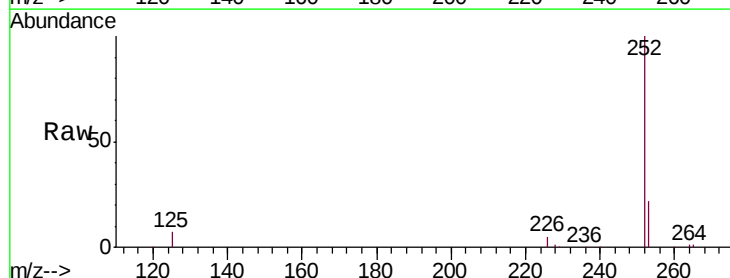
Tgt Ion:252 Resp: 109586

Ion Ratio Lower Upper

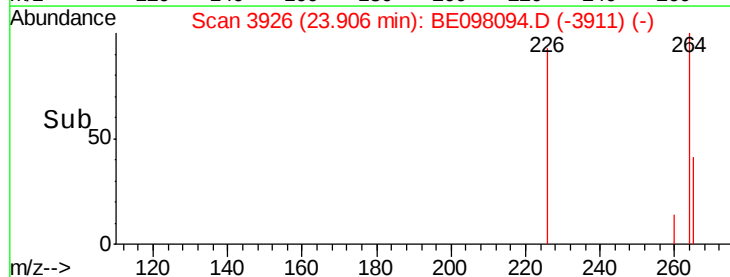
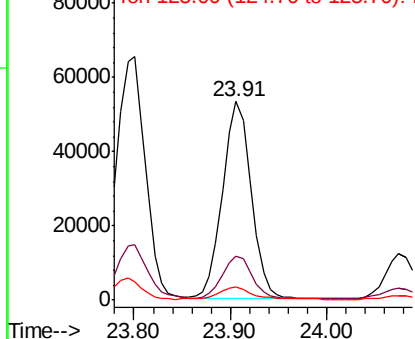
252 100

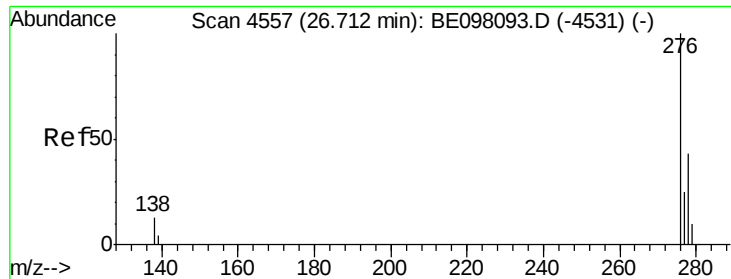
253 22.4 19.4 29.2

125 6.5 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: 3.143 ng/ul

RT: 26.71 min Scan# 4555

Delta R.T. -0.00 min

Lab File: BE098094.D

Acq: 26 Oct 2018 18:30

Instrument :

BNA_E

ClientSampleId :

C0AE7DL

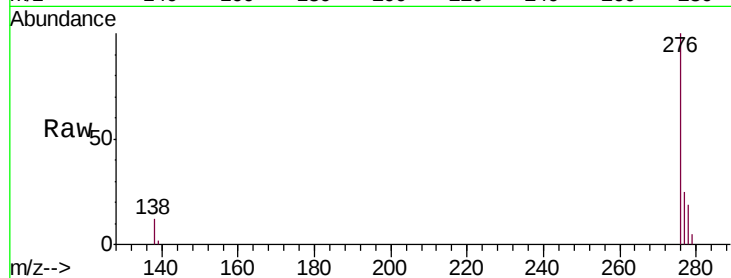
Tgt Ion:276 Resp: 90844

Ion Ratio Lower Upper

276 100

138 12.1 11.8 17.8

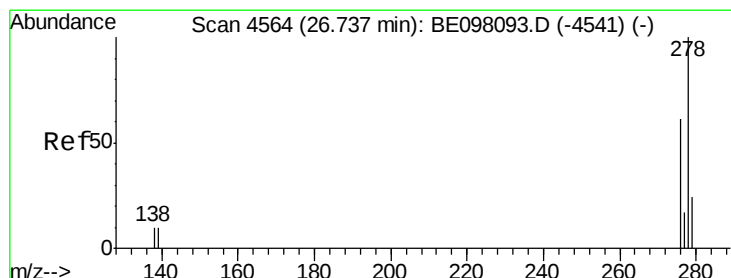
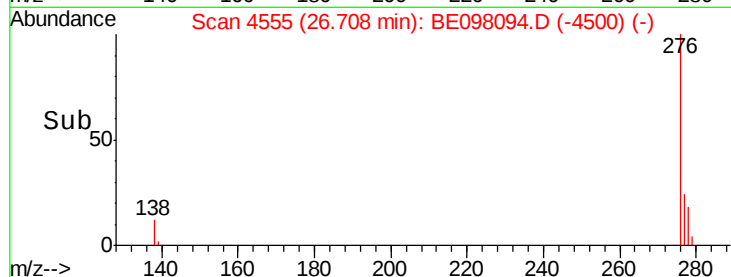
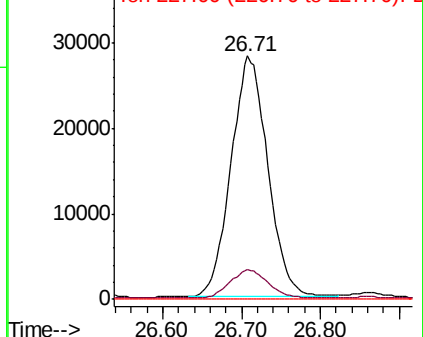
227 0.0 0.0 0.0



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: 1.016 ng/ul

RT: 26.73 min Scan# 4560

Delta R.T. -0.01 min

Lab File: BE098094.D

Acq: 26 Oct 2018 18:30

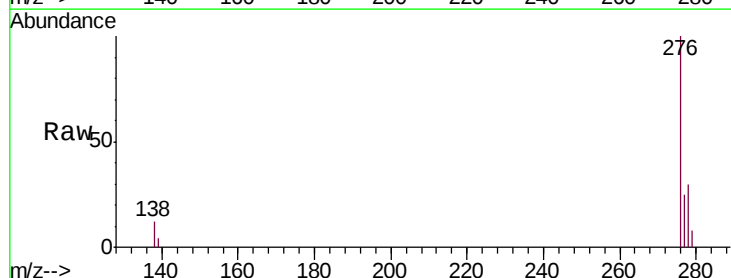
Tgt Ion:278 Resp: 24472

Ion Ratio Lower Upper

278 100

139 11.6 10.0 15.0

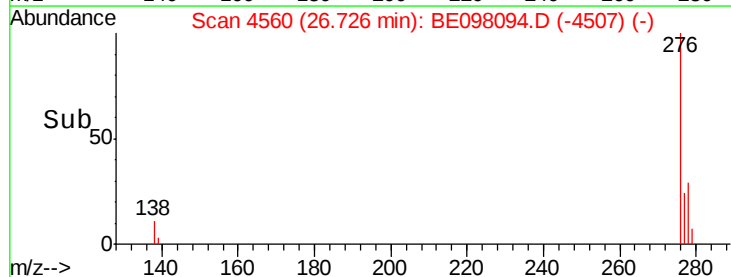
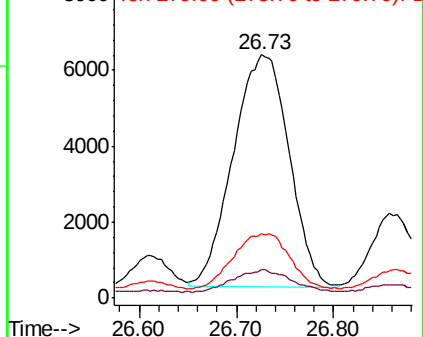
279 26.2 20.3 30.5

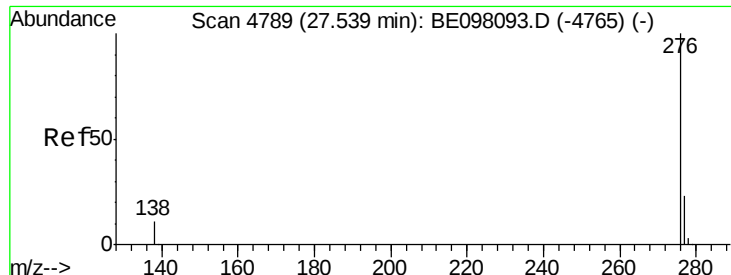


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.129 ng/ul

RT: 27.54 min Scan# 4789

Delta R.T. 0.00 min

Lab File: BE098094.D

Acq: 26 Oct 2018 18:30

Instrument :

BNA_E

ClientSampleId :

C0AE7DL

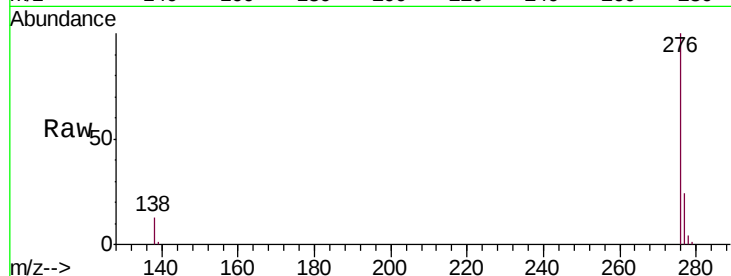
Tgt Ion: 276 Resp: 76138

Ion Ratio Lower Upper

276 100

138 12.6 11.6 17.4

277 24.0 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

