

Data File : BE098097.D
Acq On : 26 Oct 2018 20:21
Operator : SJ/JU
Sample : J5598-14DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AE2DL

Quant Time: Oct 27 00:37:04 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	7.88	152	992	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	4951	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	3518	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.29	188	8398	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	12525	0.40	ng/ul	0.00
20) Perylene-d12	24.03	264	10021	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	350	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.32	212	1121	0.04	ng/ul	0.00

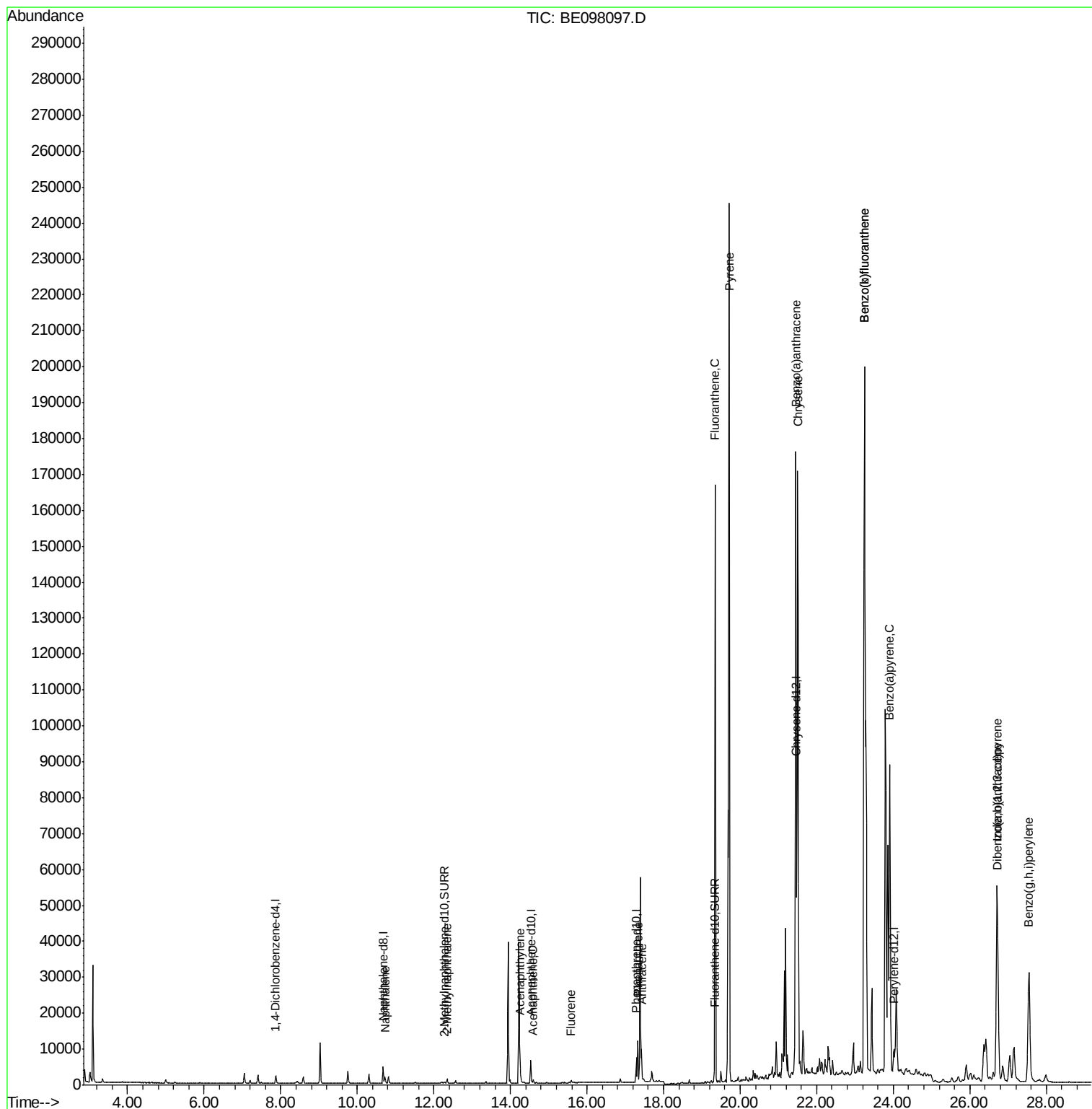
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.72	128	2841	0.240	ng/ul	100
5) 2-Methylnaphthalene	12.34	142	966	0.108	ng/ul	97
7) Acenaphthylene	14.25	152	8075	0.582	ng/ul	98
8) Acenaphthene	14.60	153	568	0.055	ng/ul#	89
9) Fluorene	15.59	166	471	0.038	ng/ul#	88
12) Phenanthrene	17.33	178	11855	0.612	ng/ul	99
13) Anthracene	17.42	178	11148	0.582	ng/ul	99
15) Fluoranthene	19.35	202	194090	7.854	ng/ul	99
17) Pyrene	19.71	202	275244	9.412	ng/ul	98
18) Benzo(a)anthracene	21.45	228	182013	4.942	ng/ul	98
19) Chrysene	21.51	228	200056	7.023	ng/ul	99
21) Benzo(b)fluoranthene	23.25	252	500671	18.033	ng/ul	96
22) Benzo(k)fluoranthene	23.25	252	500671	18.422	ng/ul#	96
23) Benzo(a)pyrene	23.91	252	137801	5.160	ng/ul#	95
24) Indeno(1,2,3-cd)pyrene	26.71	276	108021	3.530	ng/ul#	93
25) Dibenzo(a,h)anthracene	26.73	278	27234	1.068	ng/ul	98
26) Benzo(g,h,i)perylene	27.54	276	81325	3.157	ng/ul	95

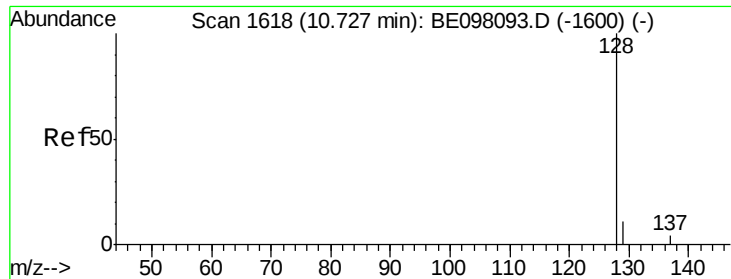
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.240 ng/ul

RT: 10.72 min Scan# 1617

Delta R.T. -0.00 min

Lab File: BE098097.D

Acq: 26 Oct 2018 20:21

Instrument :

BNA_E

ClientSampleId :

C0AE2DL

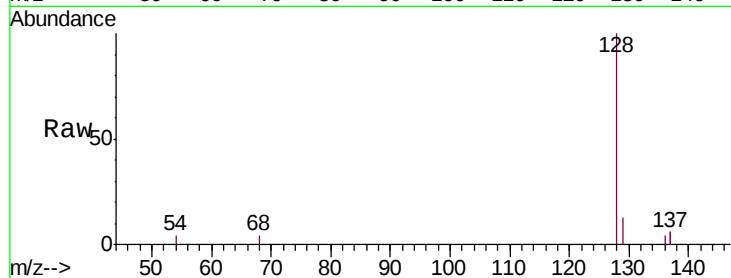
Tgt Ion:128 Resp: 2841

Ion Ratio Lower Upper

128 100

129 13.2 10.5 15.7

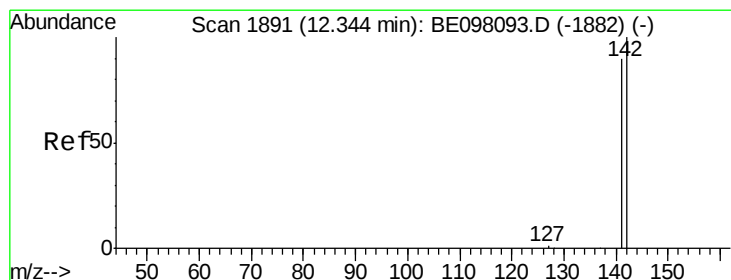
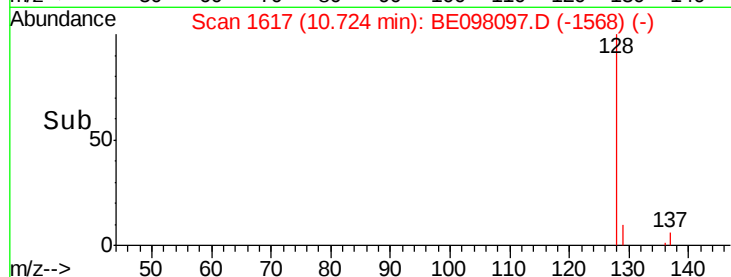
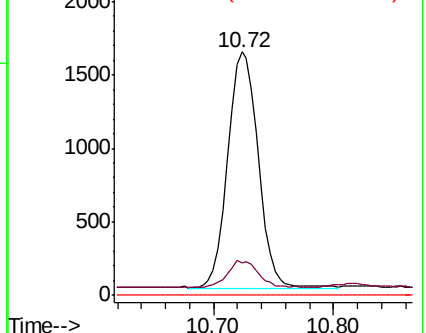
127 0.0 0.0 0.0



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: 0.108 ng/ul

RT: 12.34 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BE098097.D

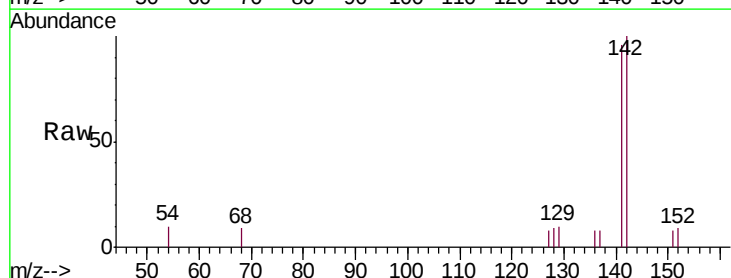
Acq: 26 Oct 2018 20:21

Tgt Ion:142 Resp: 966

Ion Ratio Lower Upper

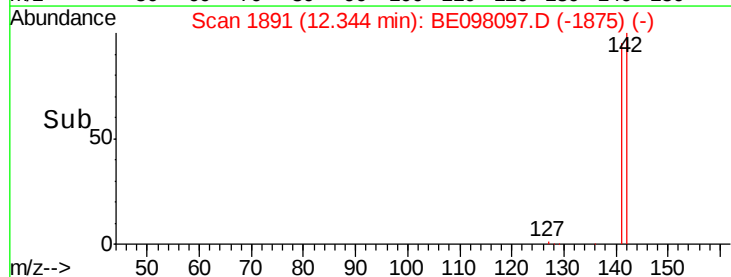
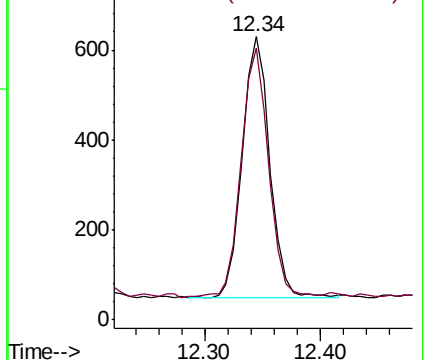
142 100

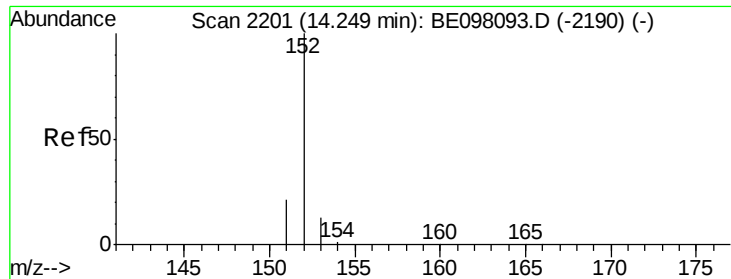
141 93.8 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.582 ng/u1

RT: 14.25 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BE098097.D

Acq: 26 Oct 2018 20:21

Instrument :

BNA_E

ClientSampleId :

C0AE2DL

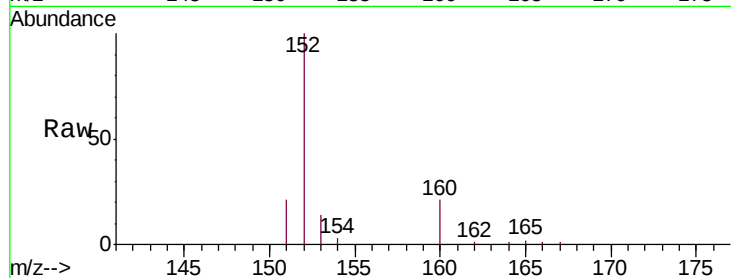
Tgt Ion:152 Resp: 8075

Ion Ratio Lower Upper

152 100

151 20.7 17.3 25.9

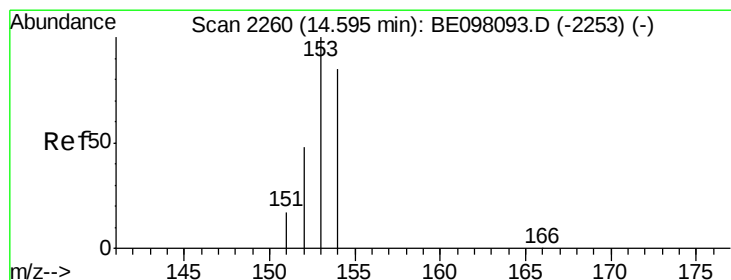
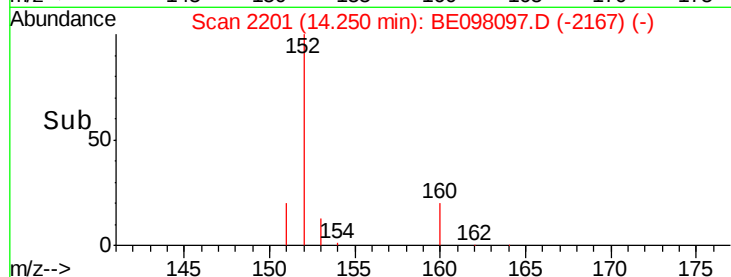
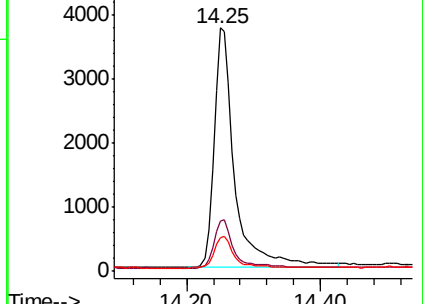
153 14.1 11.9 17.9



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



#8

Acenaphthene

Concen: 0.055 ng/u1

RT: 14.60 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BE098097.D

Acq: 26 Oct 2018 20:21

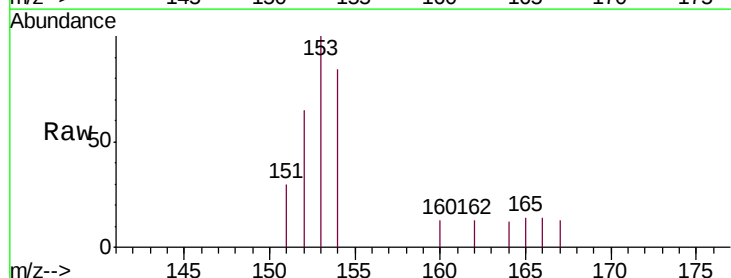
Tgt Ion:153 Resp: 568

Ion Ratio Lower Upper

153 100

152 65.4 39.4 59.0#

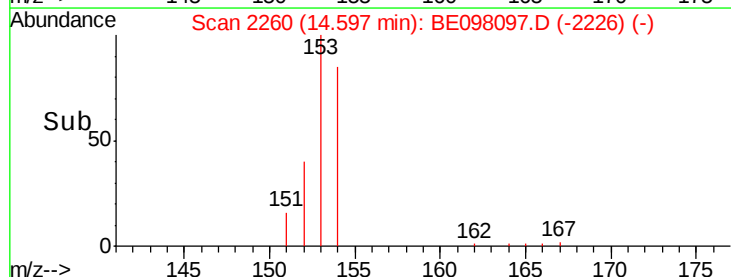
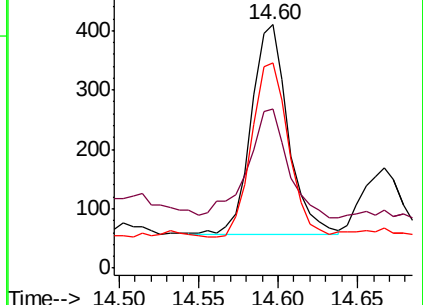
154 84.1 70.5 105.7

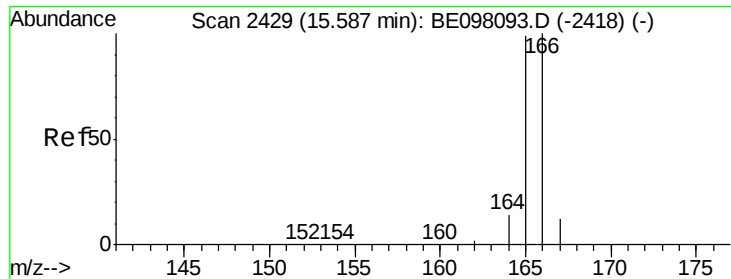


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.038 ng/ul

RT: 15.59 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BE098097.D

Acq: 26 Oct 2018 20:21

Instrument :

BNA_E

ClientSampleId :

C0AE2DL

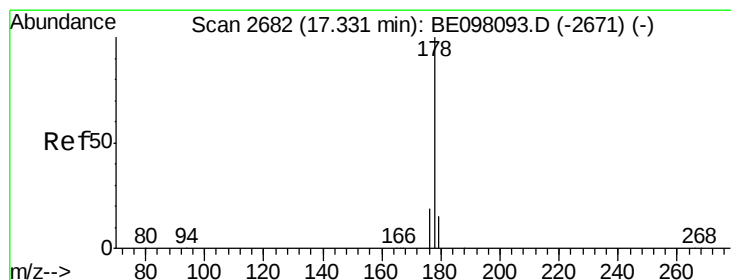
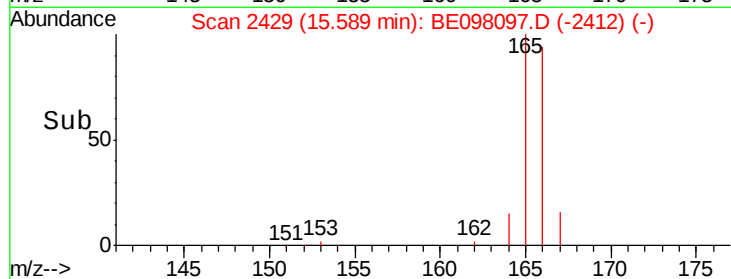
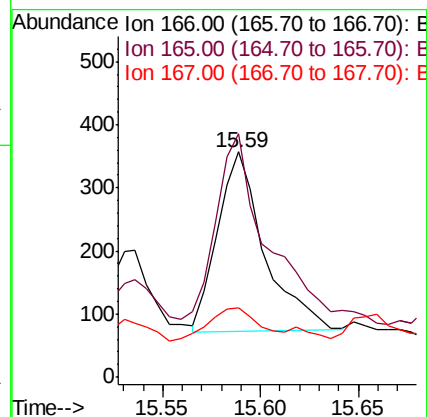
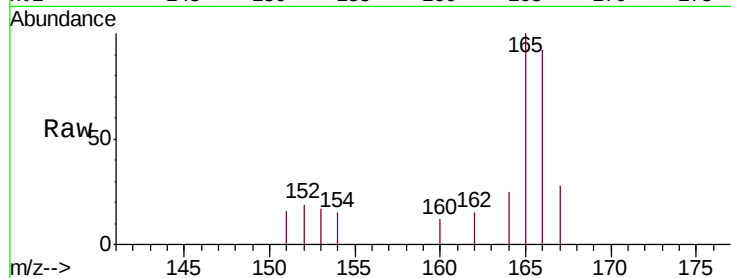
Tgt Ion:166 Resp: 471

Ion Ratio Lower Upper

166 100

165 108.1 80.2 120.4

167 30.5 12.0 18.0#



#12

Phenanthrene

Concen: 0.612 ng/ul

RT: 17.33 min Scan# 2682

Delta R.T. 0.00 min

Lab File: BE098097.D

Acq: 26 Oct 2018 20:21

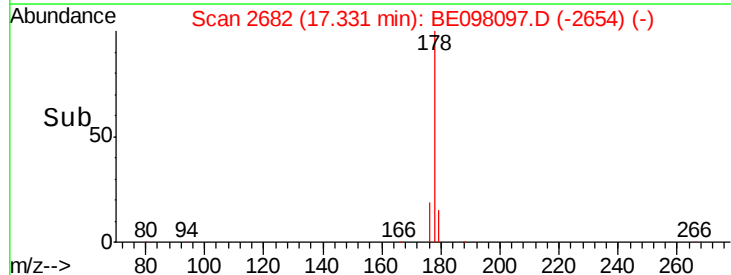
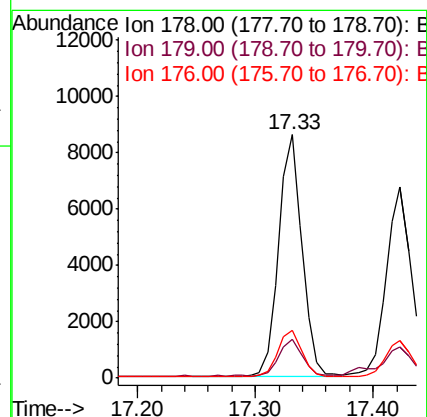
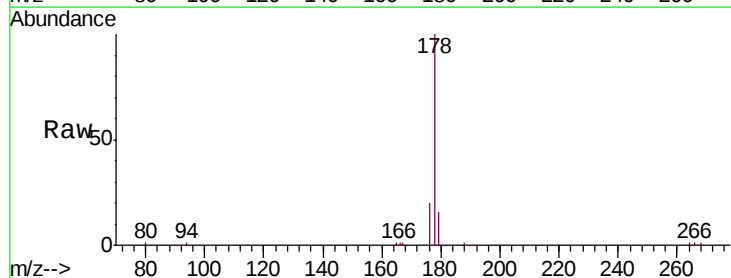
Tgt Ion:178 Resp: 11855

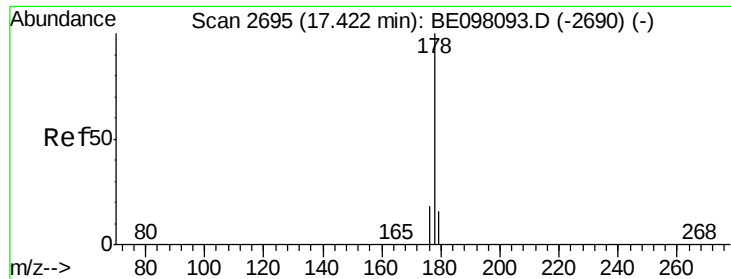
Ion Ratio Lower Upper

178 100

179 15.7 13.0 19.4

176 19.6 15.7 23.5





#13

Anthracene

Concen: 0.582 ng/ul

RT: 17.42 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE098097.D

Acq: 26 Oct 2018 20:21

Instrument :

BNA_E

ClientSampleId :

C0AE2DL

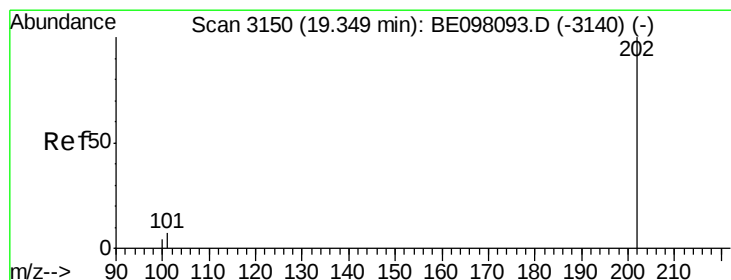
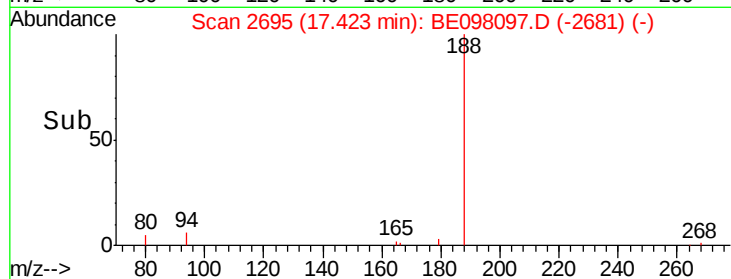
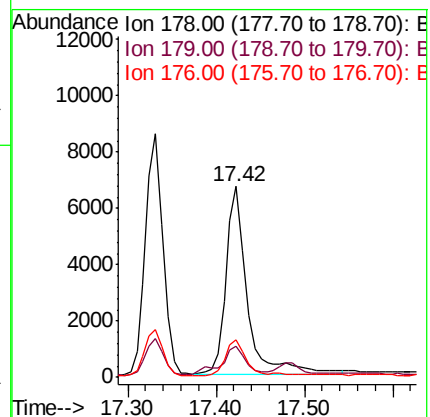
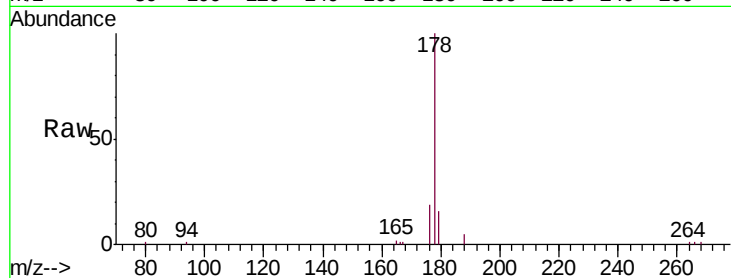
Tgt Ion:178 Resp: 11148

Ion Ratio Lower Upper

178 100

179 16.4 12.6 19.0

176 19.4 15.6 23.4



#15

Fluoranthene

Concen: 7.854 ng/ul

RT: 19.35 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BE098097.D

Acq: 26 Oct 2018 20:21

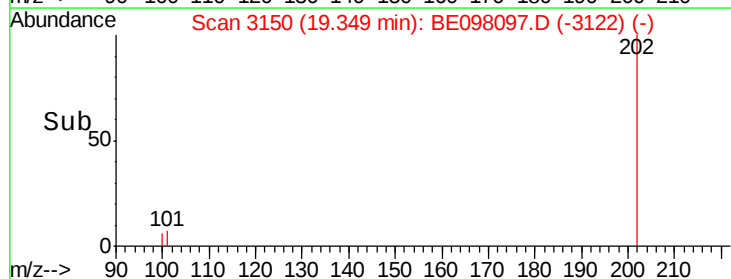
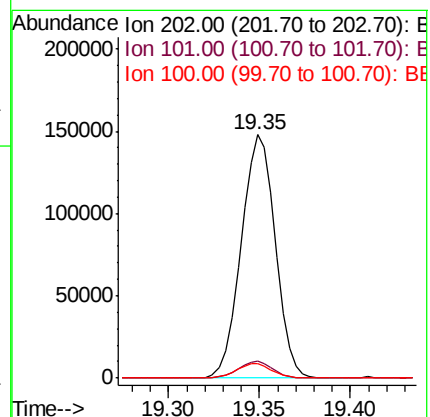
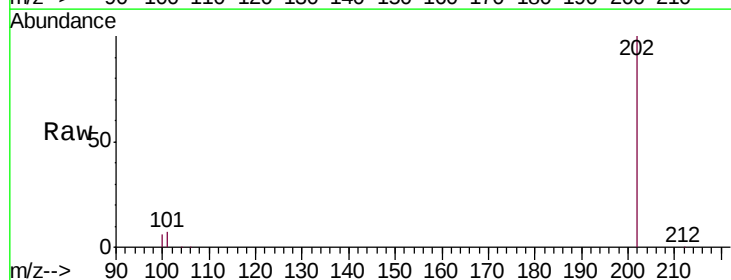
Tgt Ion:202 Resp: 194090

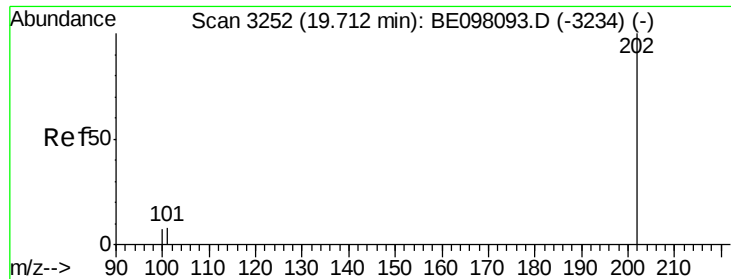
Ion Ratio Lower Upper

202 100

101 6.8 0.0 27.5

100 5.9 0.0 26.0

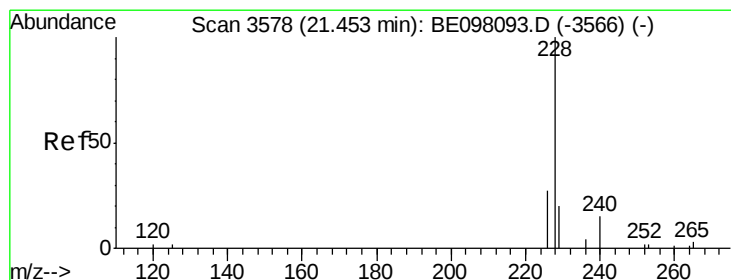
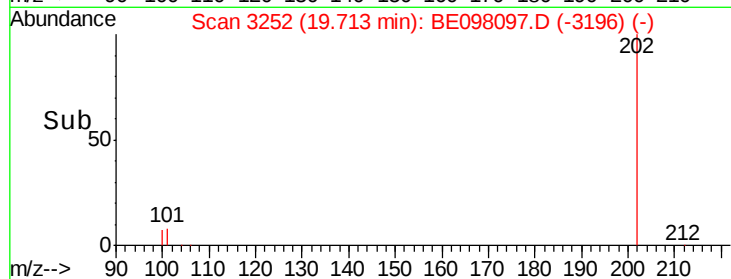
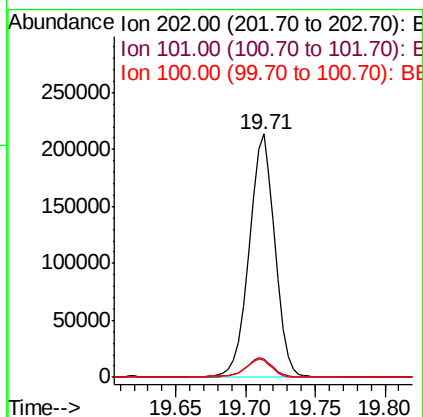
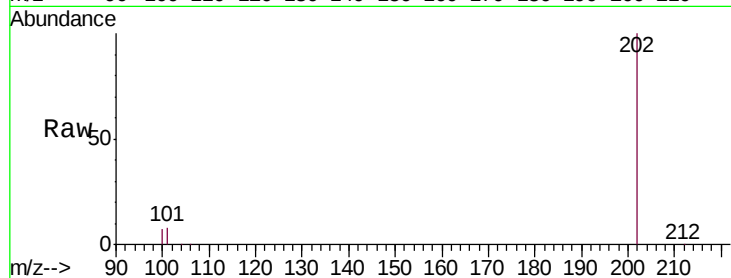




#17
Pyrene
Concen: 9.412 ng/ul
RT: 19.71 min Scan# 3252
Delta R.T. 0.00 min
Lab File: BE098097.D
Acq: 26 Oct 2018 20:21

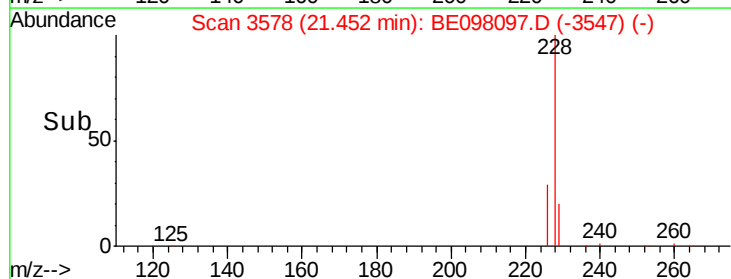
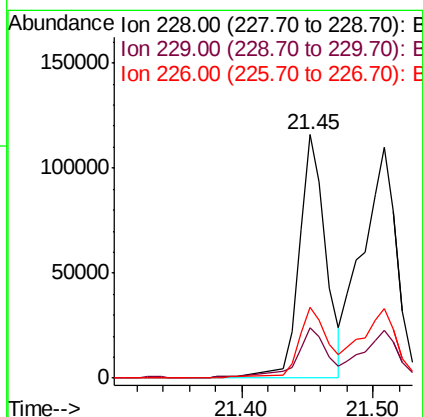
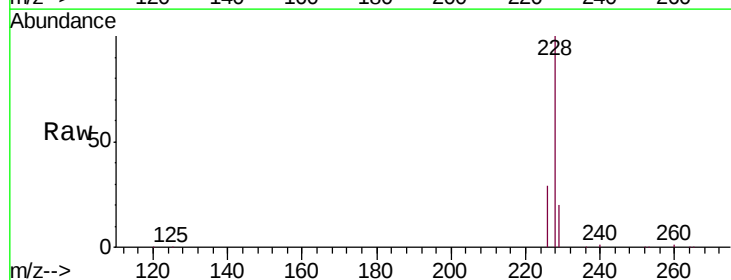
Instrument :
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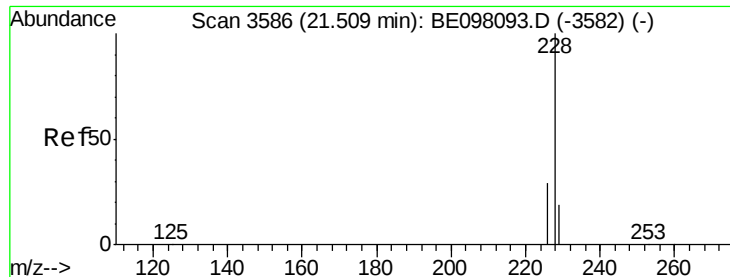
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.9	10.3
100	7.0	6.0	9.0



#18
Benzo(a)anthracene
Concen: 4.942 ng/ul
RT: 21.45 min Scan# 3578
Delta R.T. -0.00 min
Lab File: BE098097.D
Acq: 26 Oct 2018 20:21

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	16.1	24.1
226	28.9	22.2	33.4





#19

Chrysene

Concen: 7.023 ng/ul

RT: 21.51 min Scan# 3586

Delta R.T. -0.00 min

Lab File: BE098097.D

Acq: 26 Oct 2018 20:21

Instrument :

BNA_E

ClientSampleId :

C0AE2DL

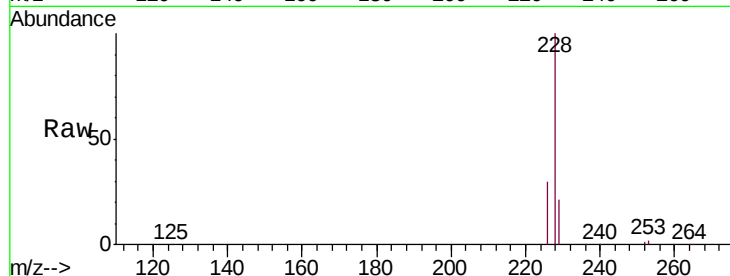
Tgt Ion:228 Resp: 200056

Ion Ratio Lower Upper

228 100

226 30.5 24.6 37.0

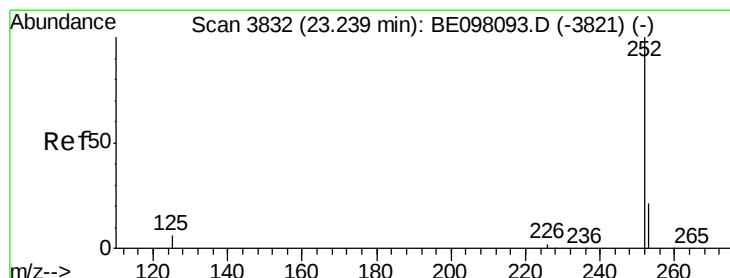
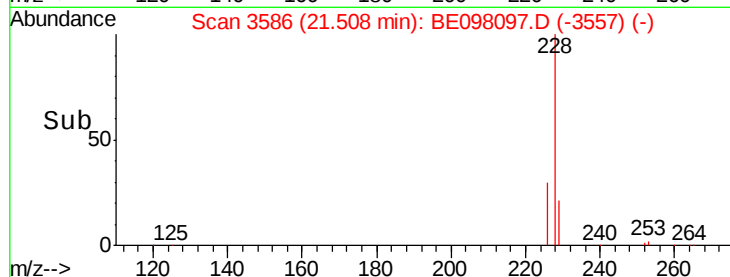
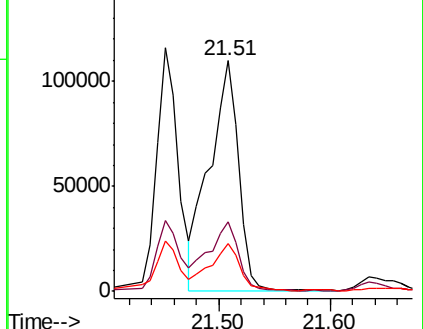
229 20.9 16.4 24.6



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: 18.033 ng/ul

RT: 23.25 min Scan# 3833

Delta R.T. 0.01 min

Lab File: BE098097.D

Acq: 26 Oct 2018 20:21

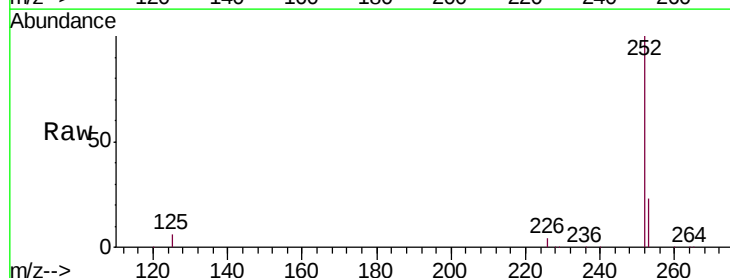
Tgt Ion:252 Resp: 500671

Ion Ratio Lower Upper

252 100

253 22.7 0.0 47.8

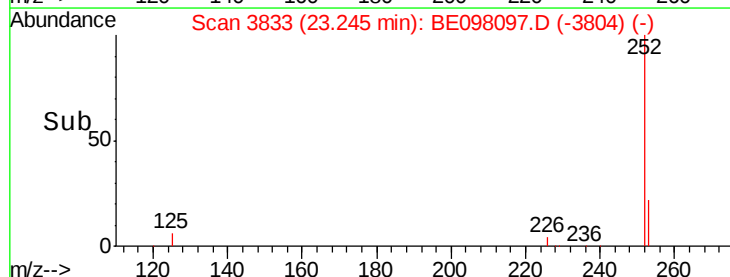
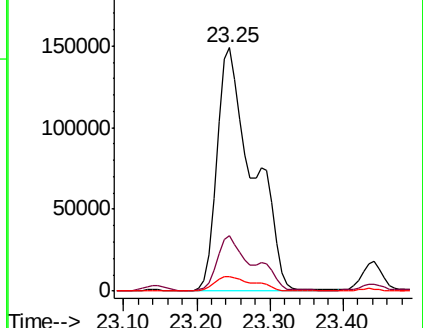
125 5.8 0.0 16.8

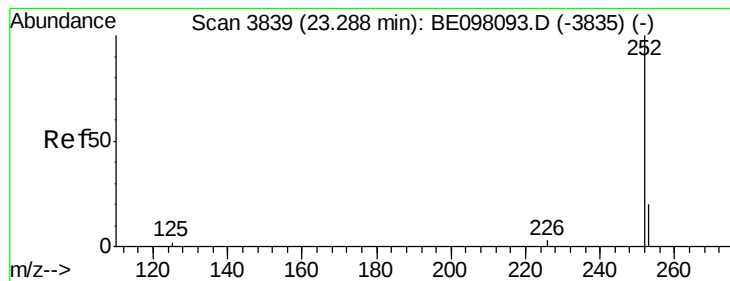


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 18.422 ng/u1

RT: 23.25 min Scan# 3833

Delta R.T. -0.04 min

Lab File: BE098097.D

Acq: 26 Oct 2018 20:21

Instrument :

BNA_E

ClientSampleId :

C0AE2DL

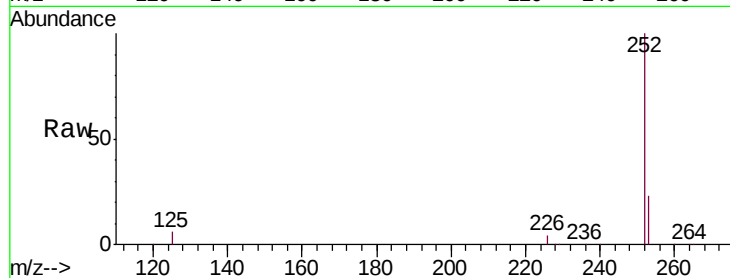
Tgt Ion:252 Resp: 500671

Ion Ratio Lower Upper

252 100

253 22.7 19.3 28.9

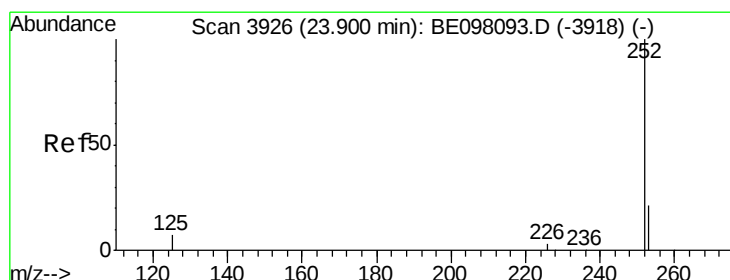
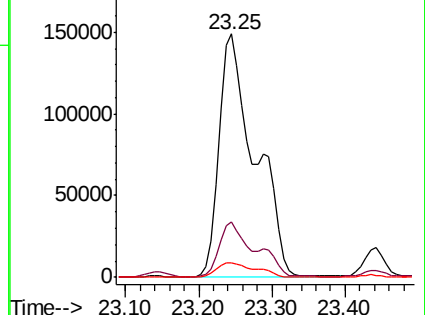
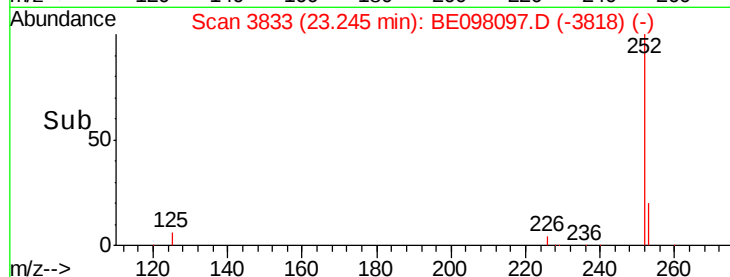
125 5.8 6.2 9.2#



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: 5.160 ng/u1

RT: 23.91 min Scan# 3927

Delta R.T. 0.01 min

Lab File: BE098097.D

Acq: 26 Oct 2018 20:21

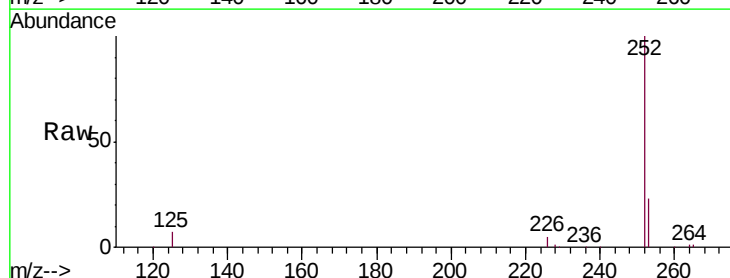
Tgt Ion:252 Resp: 137801

Ion Ratio Lower Upper

252 100

253 22.5 19.4 29.2

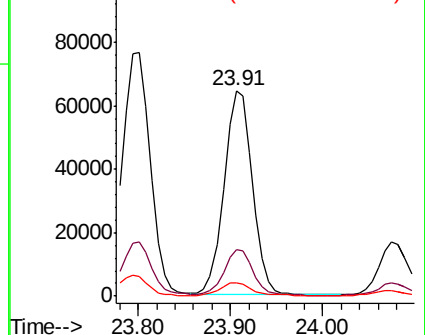
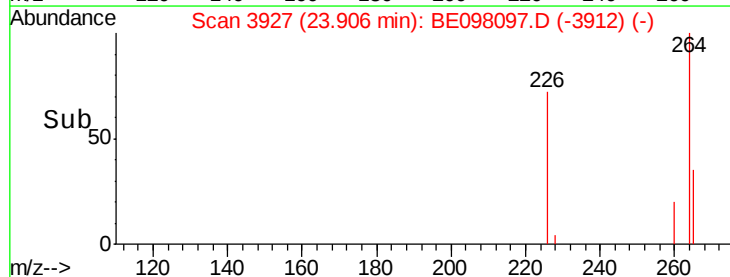
125 6.7 7.8 11.8#

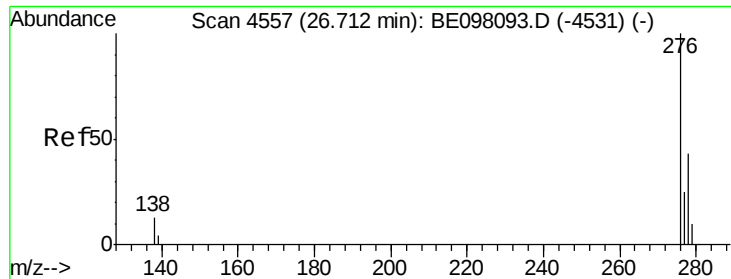


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.530 ng/ul

RT: 26.71 min Scan# 4557

Delta R.T. 0.00 min

Lab File: BE098097.D

Acq: 26 Oct 2018 20:21

Instrument :

BNA_E

ClientSampleId :

C0AE2DL

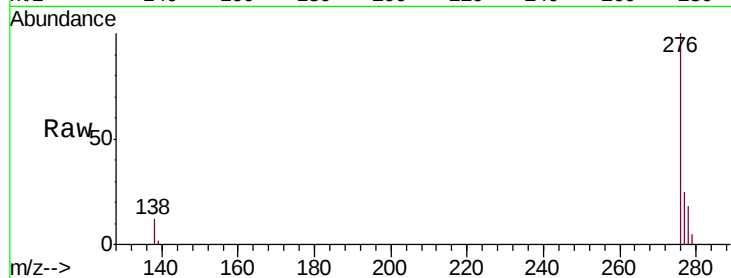
Tgt Ion:276 Resp: 108021

Ion Ratio Lower Upper

276 100

138 12.0 11.8 17.8

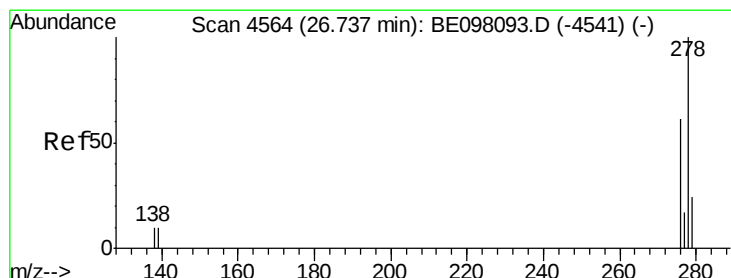
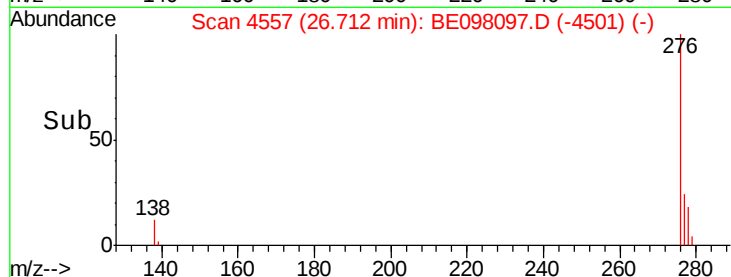
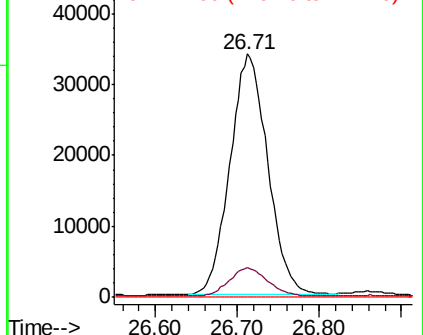
227 0.0 0.0 0.0



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: 1.068 ng/ul

RT: 26.73 min Scan# 4563

Delta R.T. -0.00 min

Lab File: BE098097.D

Acq: 26 Oct 2018 20:21

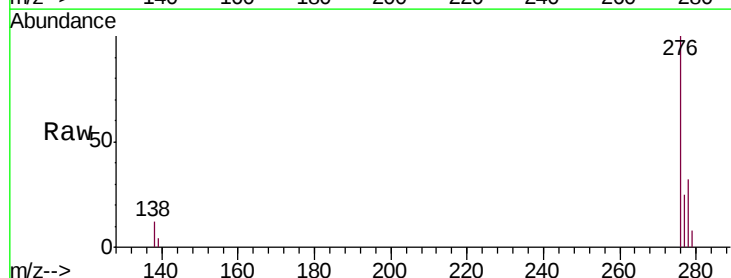
Tgt Ion:278 Resp: 27234

Ion Ratio Lower Upper

278 100

139 11.7 10.0 15.0

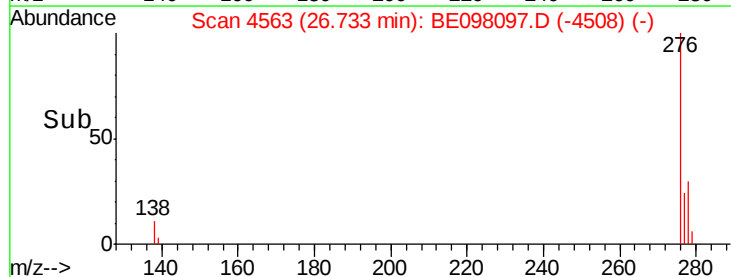
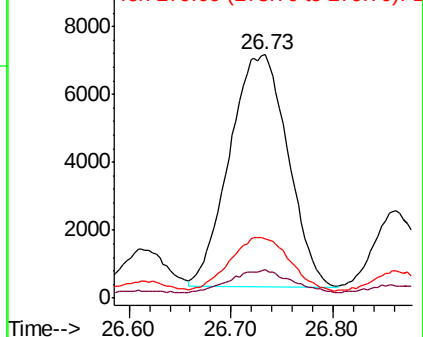
279 24.1 20.3 30.5

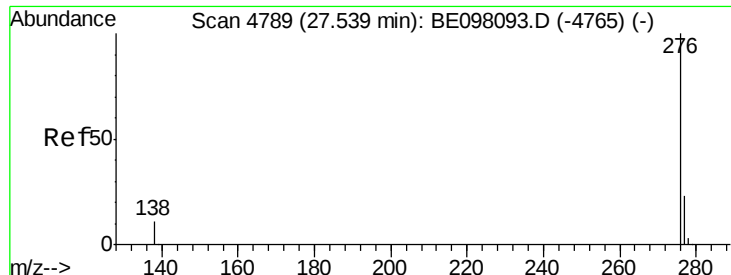


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.157 ng/ul

RT: 27.54 min Scan# 4790

Delta R.T. 0.00 min

Lab File: BE098097.D

Acq: 26 Oct 2018 20:21

Instrument :

BNA_E

ClientSampleId :

C0AE2DL

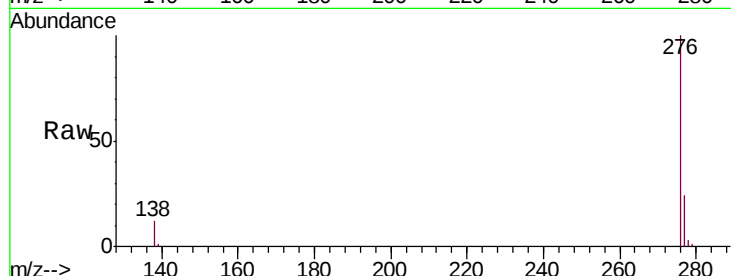
Tgt Ion: 276 Resp: 81325

Ion Ratio Lower Upper

276 100

138 12.2 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

