

Data File : BE098083.D
Acq On : 26 Oct 2018 11:13
Operator : SJ/JU
Sample : J5598-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AE4

Quant Time: Oct 26 23:19:09 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	1133	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	5573	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	4160	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.29	188	9434	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	15074	0.40	ng/ul	0.00
20) Perylene-d12	24.03	264	12985	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	1729	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.32	212	4879	0.16	ng/ul	0.00

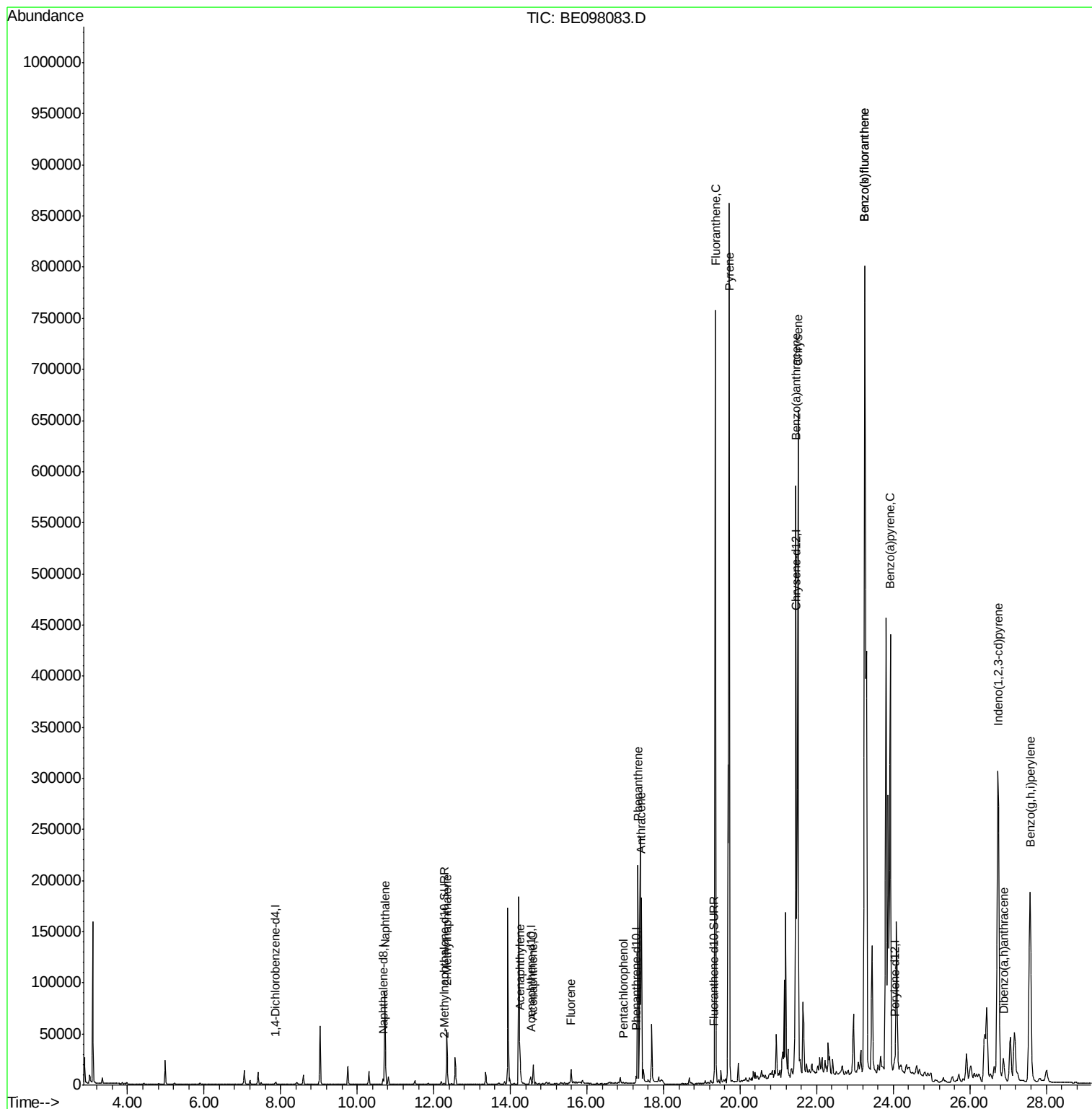
Target Compounds				Qvalue		
3) Naphthalene	10.73	128	135440	10.153	ng/ul	95
5) 2-Methylnaphthalene	12.34	142	42877	4.252	ng/ul	100
7) Acenaphthylene	14.26	152	37904	2.309	ng/ul	98
8) Acenaphthene	14.60	153	10544	0.860	ng/ul	98
9) Fluorene	15.59	166	8805	0.597	ng/ul#	99
11) Pentachlorophenol	16.97	266	18	0.036	ng/ul	99
12) Phenanthrene	17.33	178	220748	10.139	ng/ul	99
13) Anthracene	17.42	178	191746	8.917	ng/ul	99
15) Fluoranthene	19.36	202	886016	31.917	ng/ul	97
17) Pyrene	19.72	202	968955	27.530	ng/ul	96
18) Benzo(a)anthracene	21.46	228	599083	13.517	ng/ul	97
19) Chrysene	21.51	228	713214	20.803	ng/ul	99
21) Benzo(b)fluoranthene	23.26	252	1995031	55.453	ng/ul	97
22) Benzo(k)fluoranthene	23.26	252	1995031	56.652	ng/ul#	97
23) Benzo(a)pyrene	23.93	252	658888	19.042	ng/ul#	95
24) Indeno(1,2,3-cd)pyrene	26.74	276	619003	15.611	ng/ul#	91
25) Dibenzo(a,h)anthracene	26.88	278	35542	1.076	ng/ul	93
26) Benzo(g,h,i)perylene	27.58	276	509135	15.253	ng/ul#	95

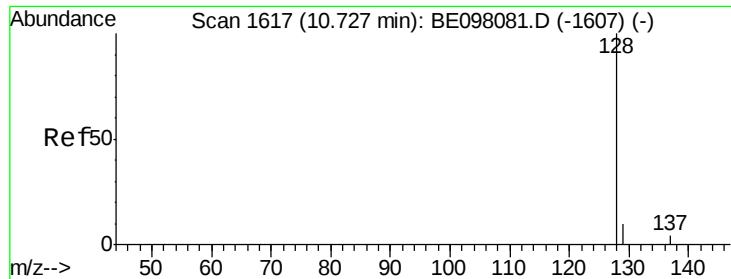
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 10.153 ng/ul

RT: 10.73 min Scan# 1617

Delta R.T. -0.00 min

Lab File: BE098083.D

Acq: 26 Oct 2018 11:13

Instrument :

BNA_E

ClientSampleId :

C0AE4

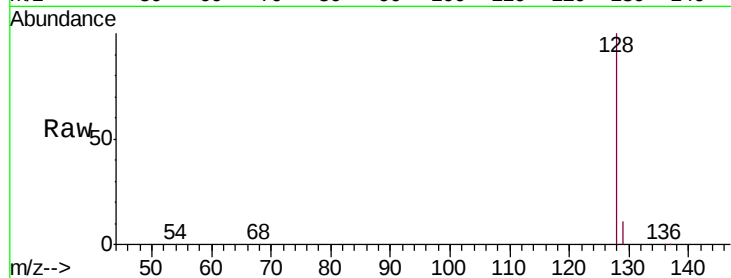
Tgt Ion:128 Resp: 135440

Ion Ratio Lower Upper

128 100

129 11.1 10.5 15.7

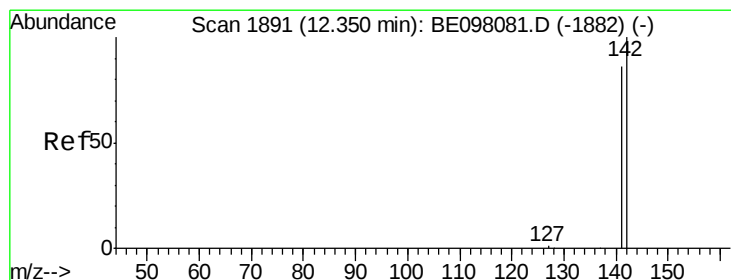
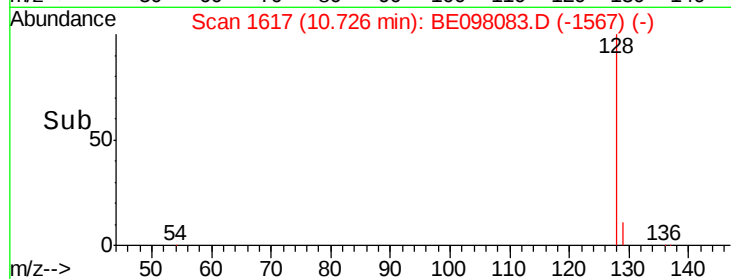
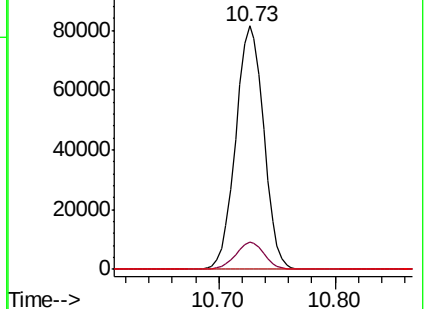
127 0.0 0.0 0.0



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: 4.252 ng/ul

RT: 12.34 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BE098083.D

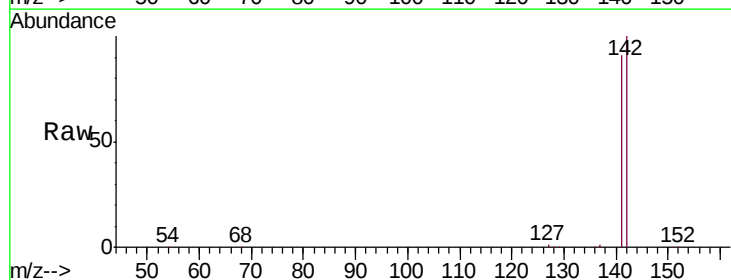
Acq: 26 Oct 2018 11:13

Tgt Ion:142 Resp: 42877

Ion Ratio Lower Upper

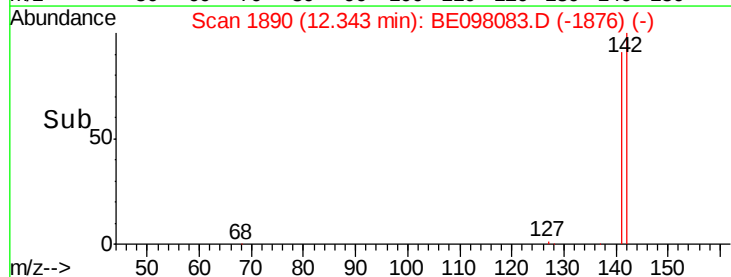
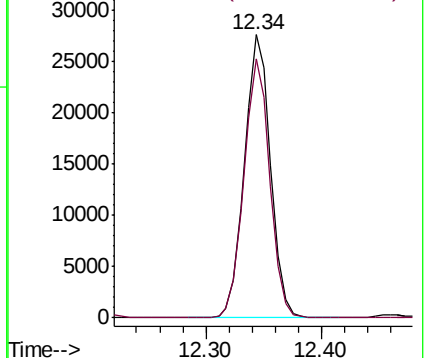
142 100

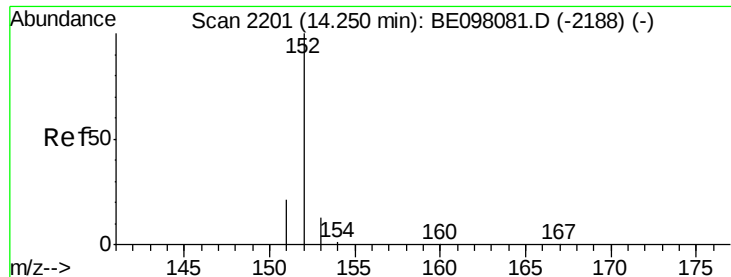
141 91.0 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.309 ng/ul

RT: 14.26 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BE098083.D

Acq: 26 Oct 2018 11:13

Instrument :

BNA_E

ClientSampleId :

C0AE4

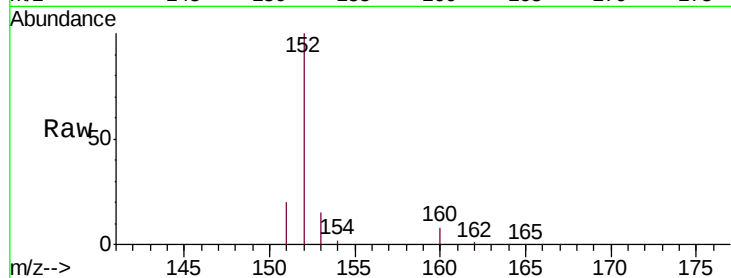
Tgt Ion:152 Resp: 37904

Ion Ratio Lower Upper

152 100

151 20.5 17.3 25.9

153 14.8 11.9 17.9

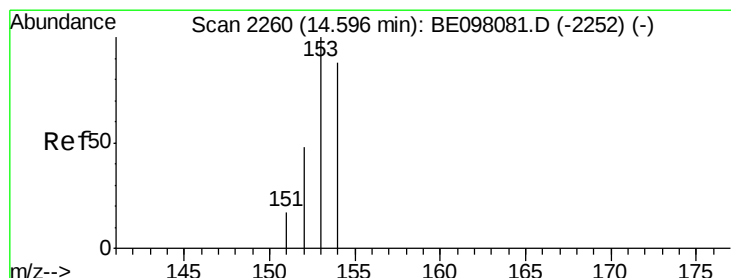
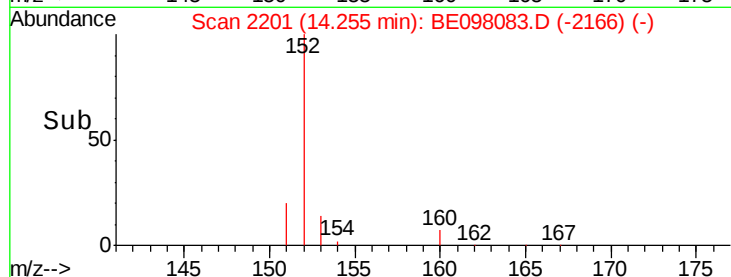
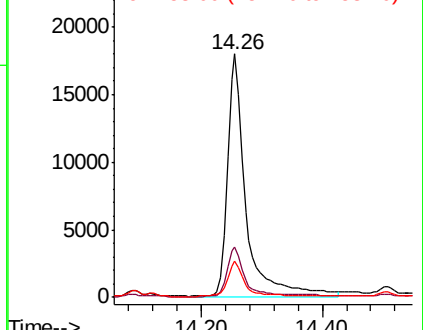


Abundance

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: 0.860 ng/ul

RT: 14.60 min Scan# 2259

Delta R.T. -0.00 min

Lab File: BE098083.D

Acq: 26 Oct 2018 11:13

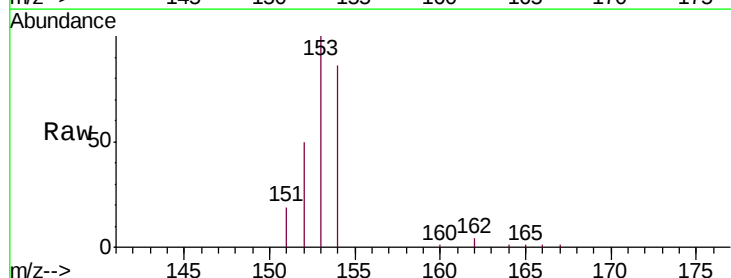
Tgt Ion:153 Resp: 10544

Ion Ratio Lower Upper

153 100

152 50.1 39.4 59.0

154 85.9 70.5 105.7

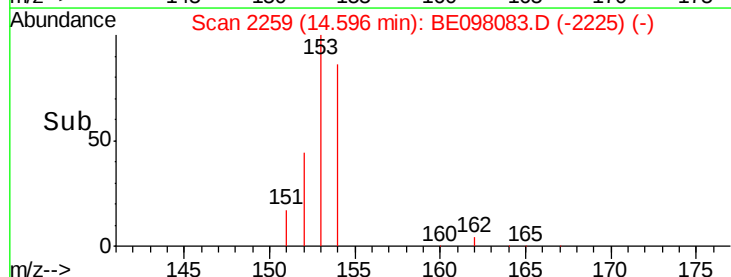
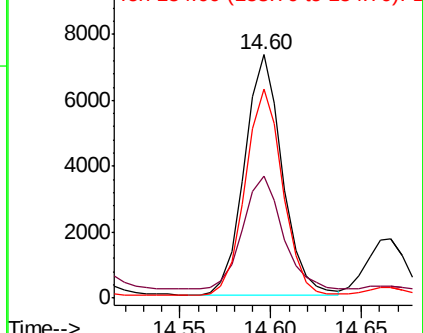


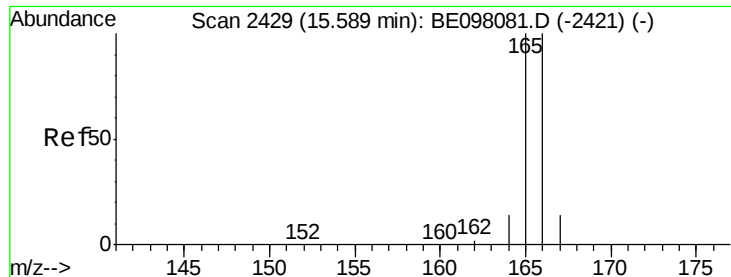
Abundance

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: 0.597 ng/ul

RT: 15.59 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BE098083.D

Acq: 26 Oct 2018 11:13

Instrument :

BNA_E

ClientSampleId :

C0AE4

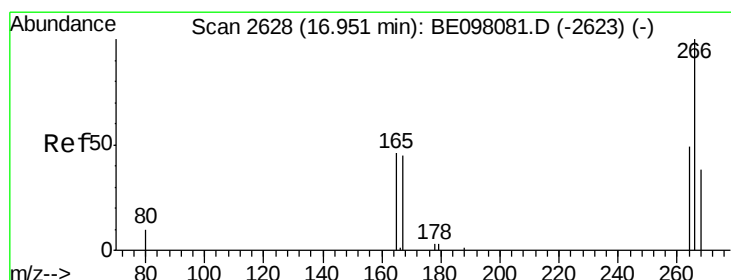
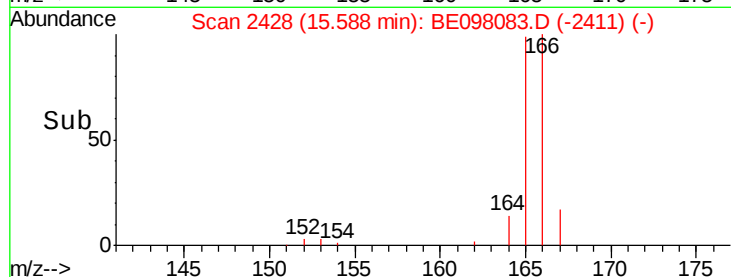
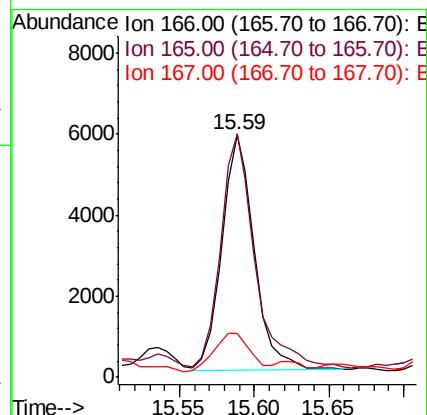
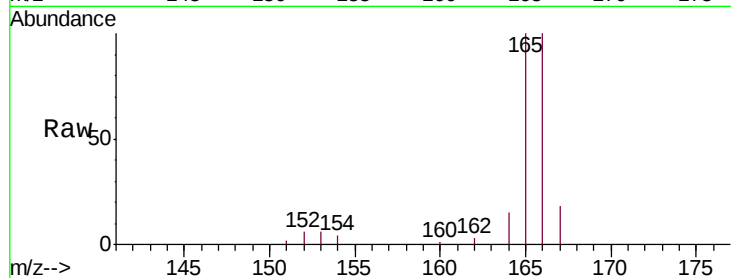
Tgt Ion:166 Resp: 8805

Ion Ratio Lower Upper

166 100

165 100.4 80.2 120.4

167 18.3 12.0 18.0#



#11

Pentachlorophenol

Concen: 0.036 ng/ul

RT: 16.97 min Scan# 2629

Delta R.T. 0.01 min

Lab File: BE098083.D

Acq: 26 Oct 2018 11:13

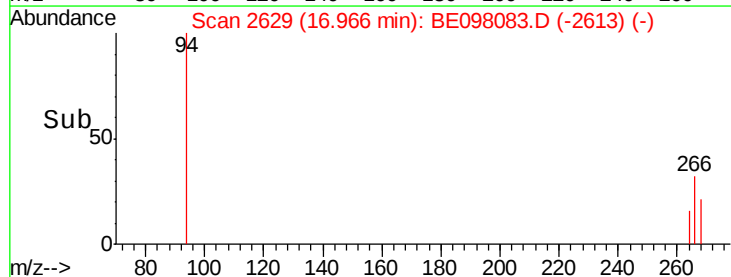
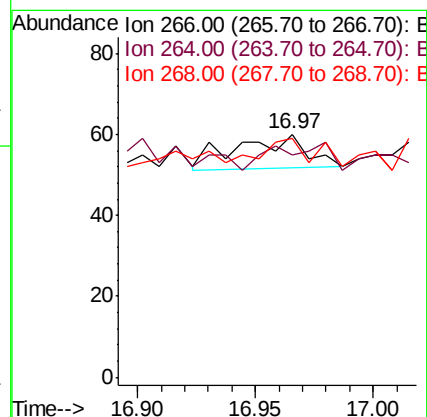
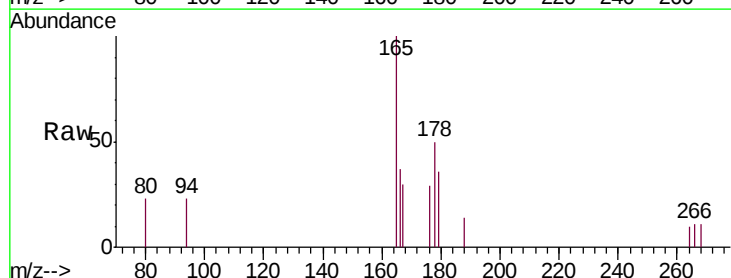
Tgt Ion:266 Resp: 18

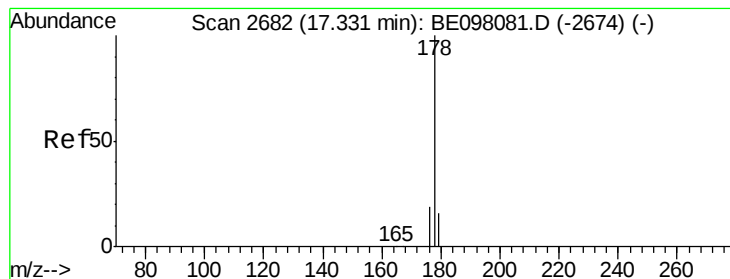
Ion Ratio Lower Upper

266 100

264 61.1 48.5 72.7

268 66.7 53.7 80.5





#12

Phenanthrene

Concen: 10.139 ng/ul

RT: 17.33 min Scan# 2681

Delta R.T. 0.00 min

Lab File: BE098083.D

Acq: 26 Oct 2018 11:13

Instrument :

BNA_E

ClientSampleId :

C0AE4

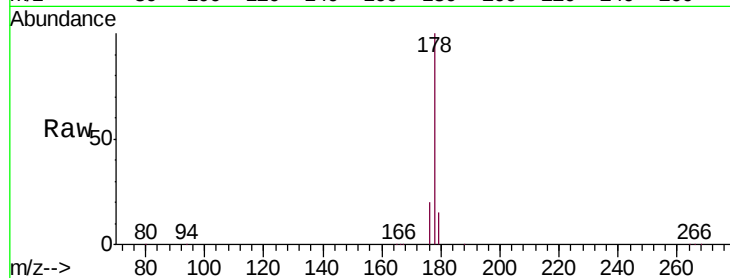
Tgt Ion:178 Resp: 220748

Ion Ratio Lower Upper

178 100

179 15.4 13.0 19.4

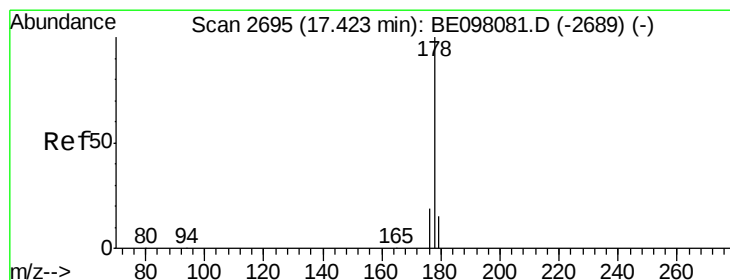
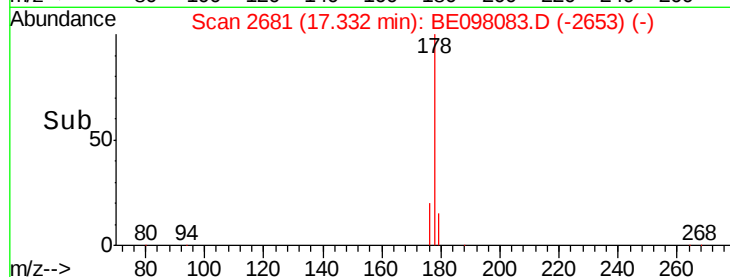
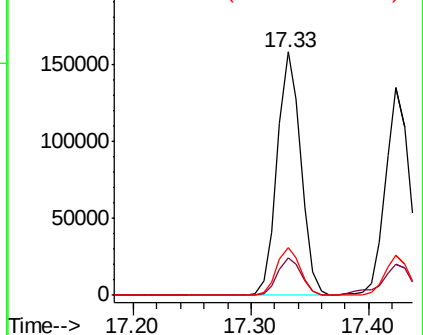
176 19.8 15.7 23.5



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



#13

Anthracene

Concen: 8.917 ng/ul

RT: 17.42 min Scan# 2694

Delta R.T. 0.00 min

Lab File: BE098083.D

Acq: 26 Oct 2018 11:13

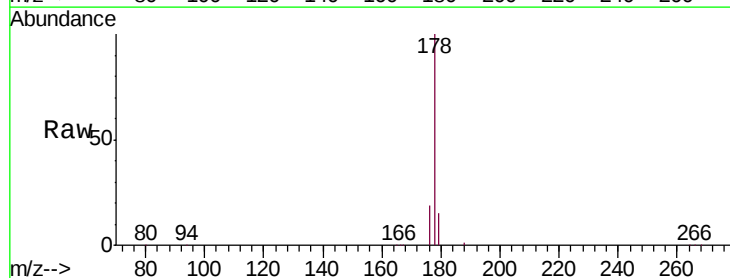
Tgt Ion:178 Resp: 191746

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

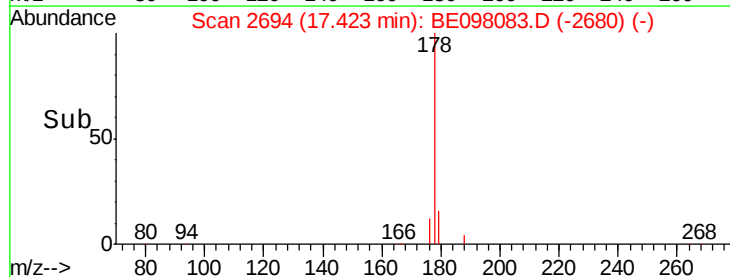
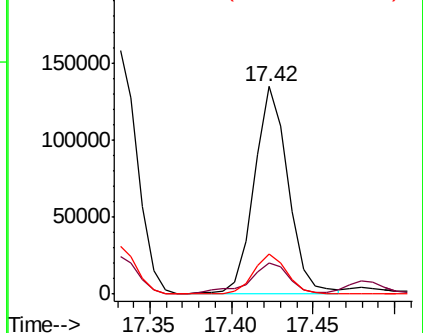
176 19.4 15.6 23.4

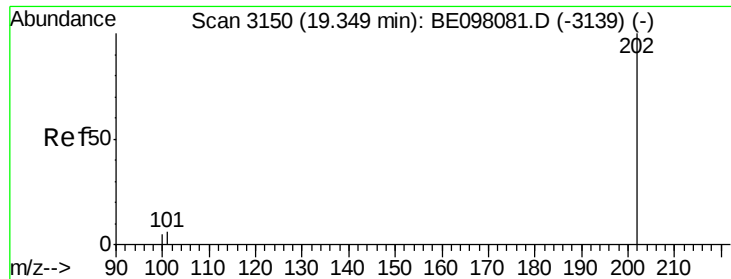


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 31.917 ng/ul

RT: 19.36 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BE098083.D

Acq: 26 Oct 2018 11:13

Instrument :

BNA_E

ClientSampleId :

C0AE4

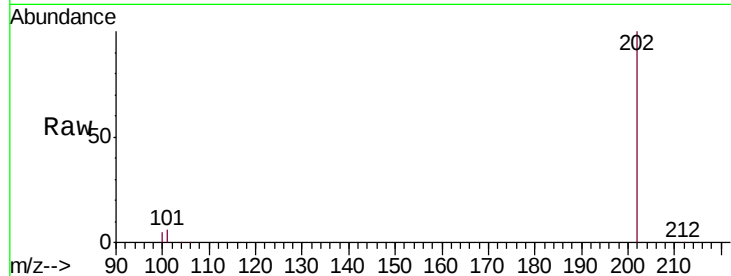
Tgt Ion:202 Resp: 886016

Ion Ratio Lower Upper

202 100

101 6.3 0.0 27.5

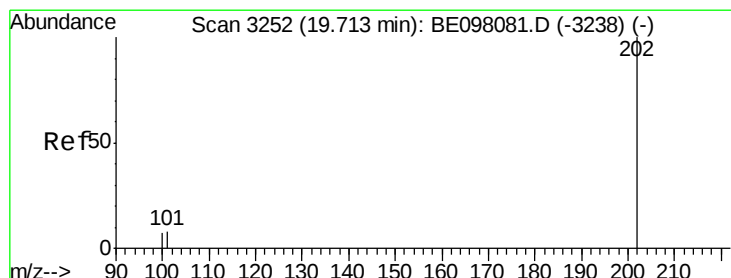
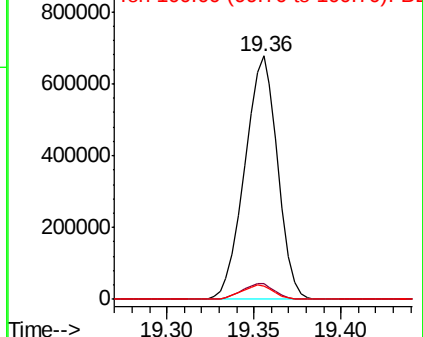
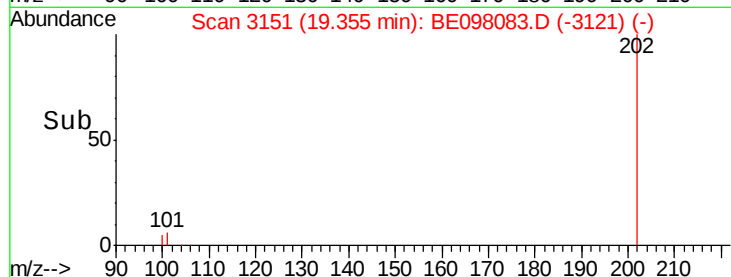
100 5.5 0.0 26.0



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: 27.530 ng/ul

RT: 19.72 min Scan# 3253

Delta R.T. 0.01 min

Lab File: BE098083.D

Acq: 26 Oct 2018 11:13

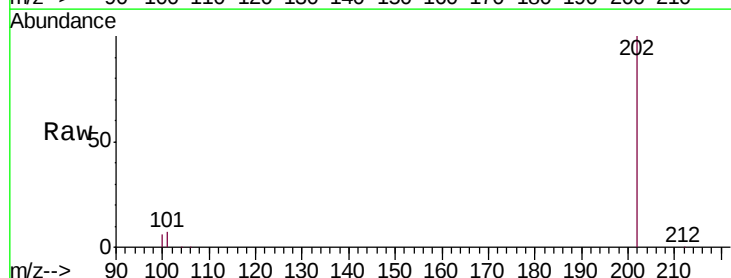
Tgt Ion:202 Resp: 968955

Ion Ratio Lower Upper

202 100

101 7.0 6.9 10.3

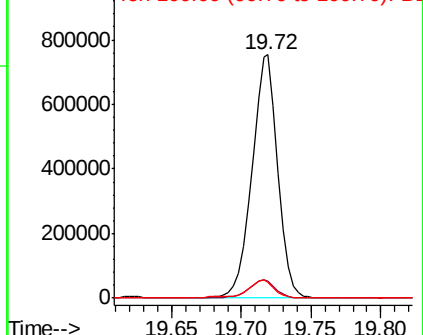
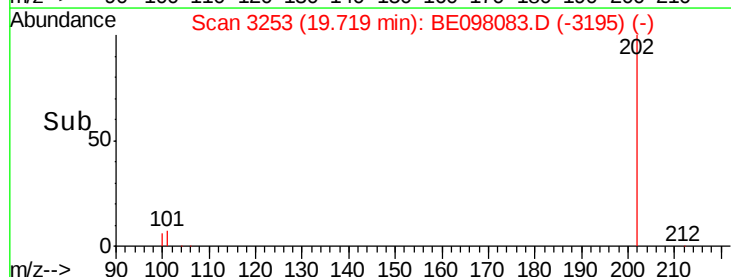
100 6.3 6.0 9.0

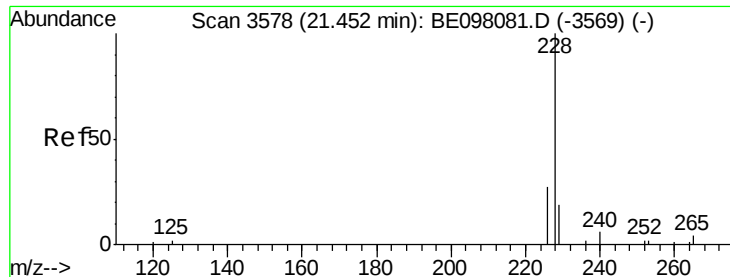


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 13.517 ng/ul

RT: 21.46 min Scan# 3579

Delta R.T. 0.01 min

Lab File: BE098083.D

Acq: 26 Oct 2018 11:13

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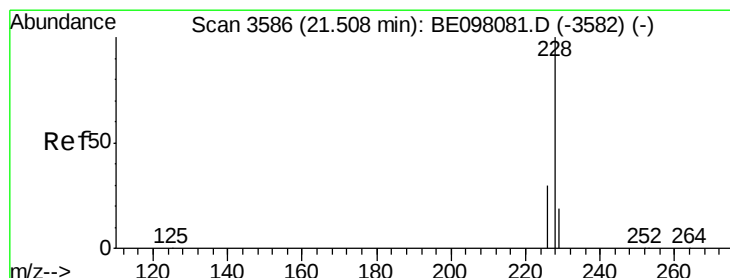
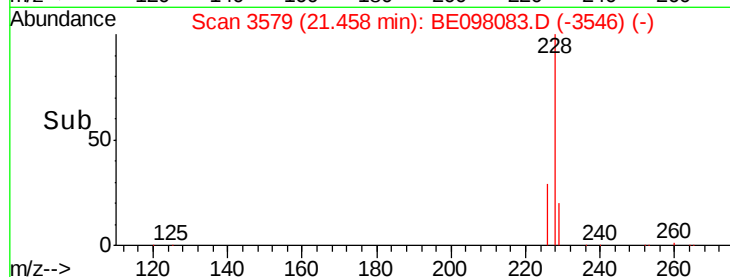
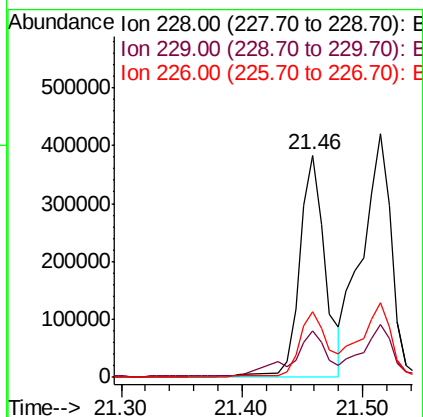
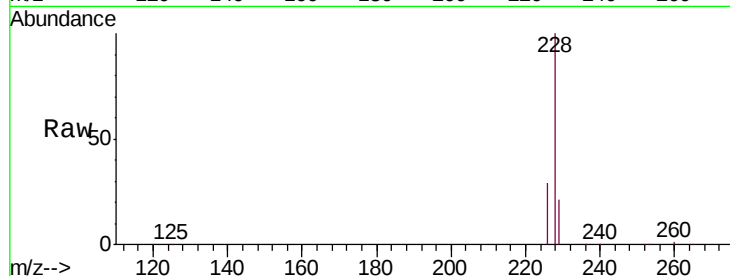
Tgt Ion:228 Resp: 599083

Ion Ratio Lower Upper

228 100

229 21.1 16.1 24.1

226 29.5 22.2 33.4



#19

Chrysene

Concen: 20.803 ng/ul

RT: 21.51 min Scan# 3587

Delta R.T. 0.01 min

Lab File: BE098083.D

Acq: 26 Oct 2018 11:13

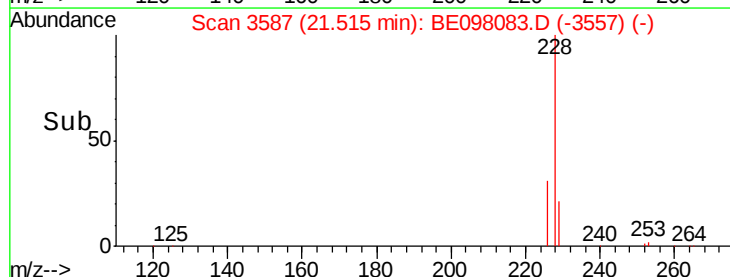
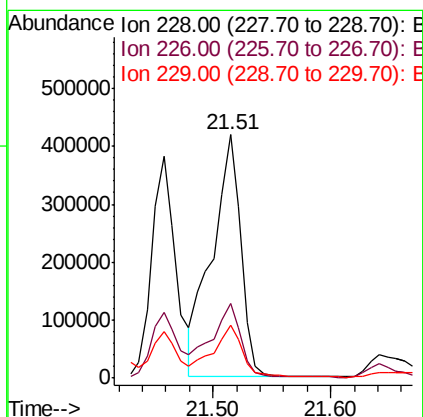
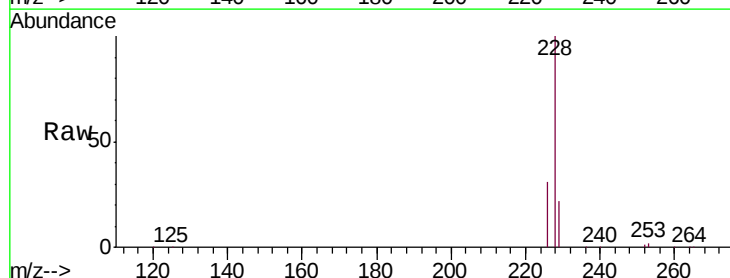
Tgt Ion:228 Resp: 713214

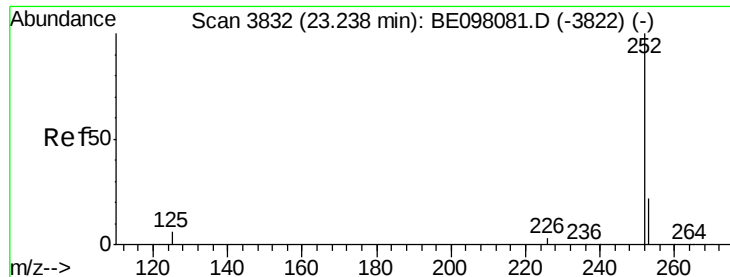
Ion Ratio Lower Upper

228 100

226 30.9 24.6 37.0

229 21.7 16.4 24.6





#21

Benzo(b)fluoranthene

Concen: 55.453 ng/u1

RT: 23.26 min Scan# 3835

Delta R.T. 0.02 min

Lab File: BE098083.D

Acq: 26 Oct 2018 11:13

Instrument :

BNA_E

ClientSampleId :

C0AE4

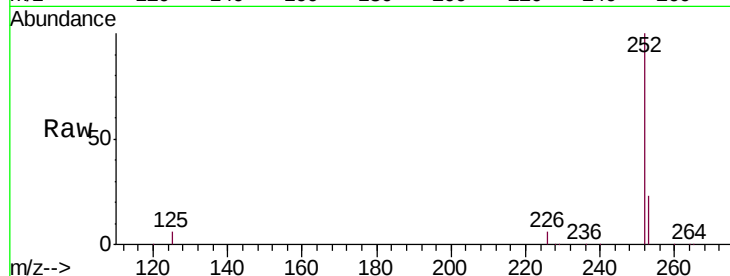
Tgt Ion:252 Resp: 1995031

Ion Ratio Lower Upper

252 100

253 23.1 0.0 47.8

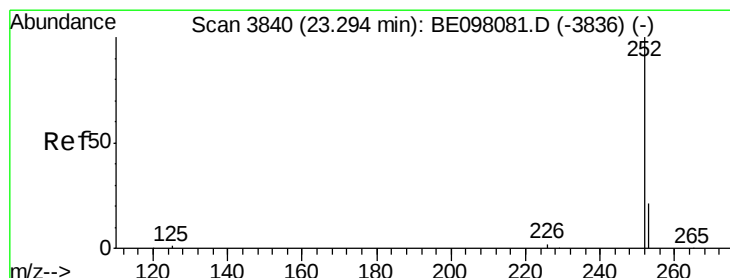
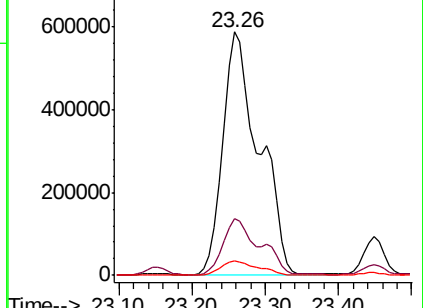
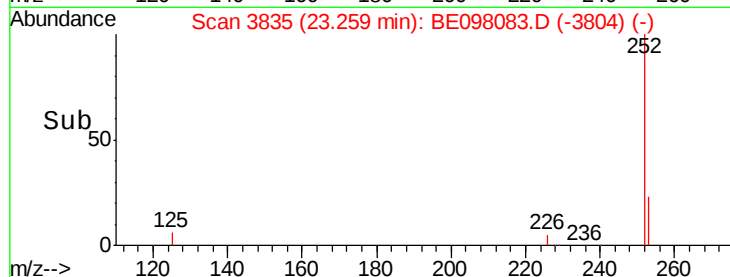
125 5.9 0.0 16.8



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: 56.652 ng/u1

RT: 23.26 min Scan# 3835

Delta R.T. -0.04 min

Lab File: BE098083.D

Acq: 26 Oct 2018 11:13

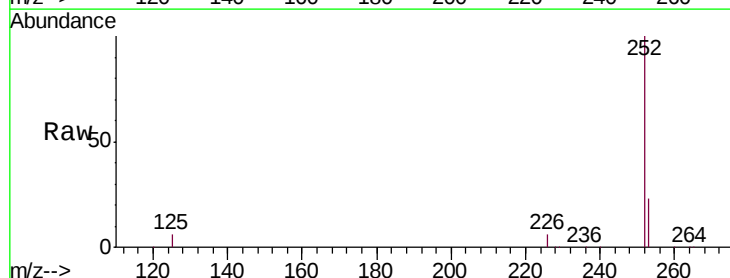
Tgt Ion:252 Resp: 1995031

Ion Ratio Lower Upper

252 100

253 23.1 19.3 28.9

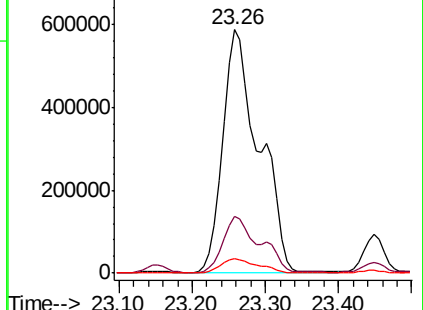
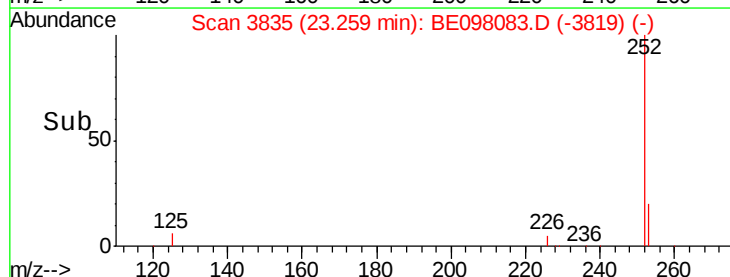
125 5.9 6.2 9.2#

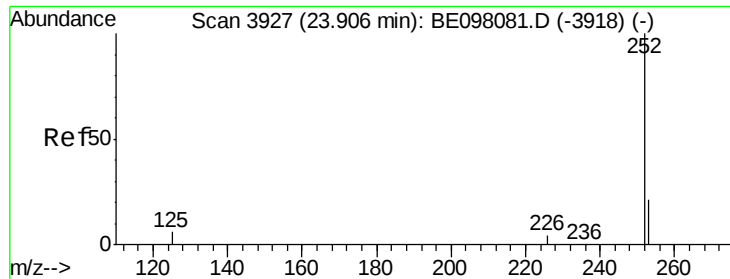


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 19.042 ng/ul

RT: 23.93 min Scan# 3930

Delta R.T. 0.02 min

Lab File: BE098083.D

Acq: 26 Oct 2018 11:13

Instrument :

BNA_E

ClientSampleId :

C0AE4

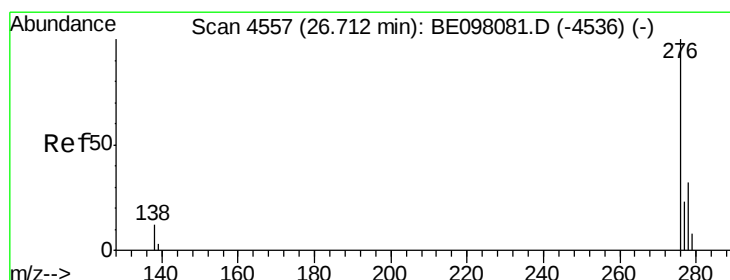
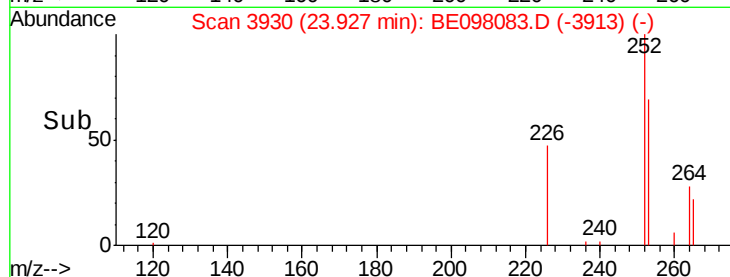
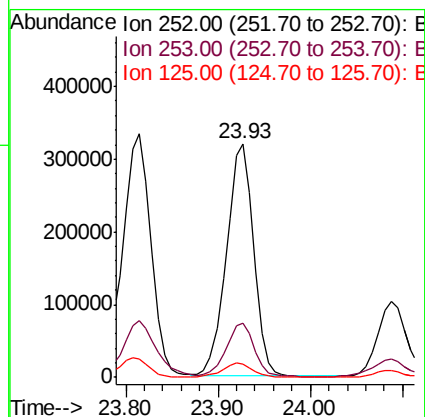
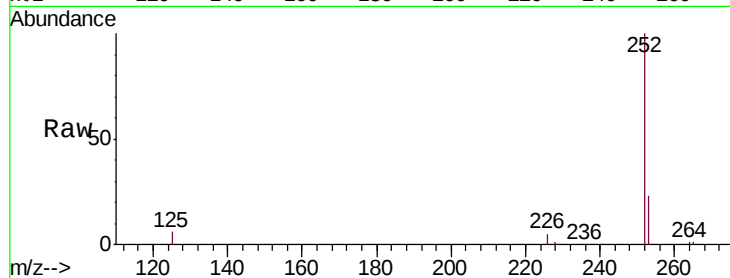
Tgt Ion:252 Resp: 658888

Ion Ratio Lower Upper

252 100

253 23.3 19.4 29.2

125 5.9 7.8 11.8#



#24

Indeno(1,2,3-cd)pyrene

Concen: 15.611 ng/ul

RT: 26.74 min Scan# 4565

Delta R.T. 0.03 min

Lab File: BE098083.D

Acq: 26 Oct 2018 11:13

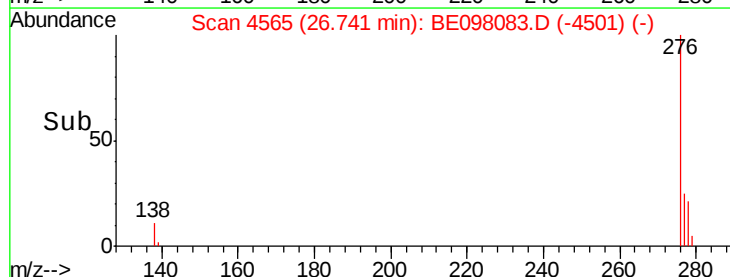
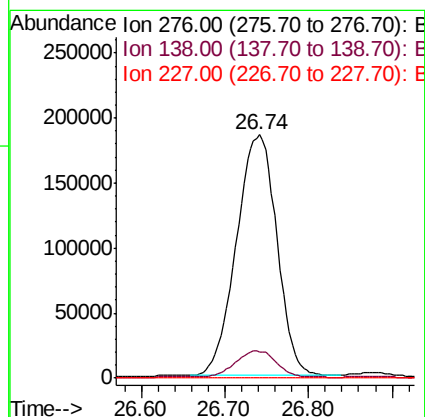
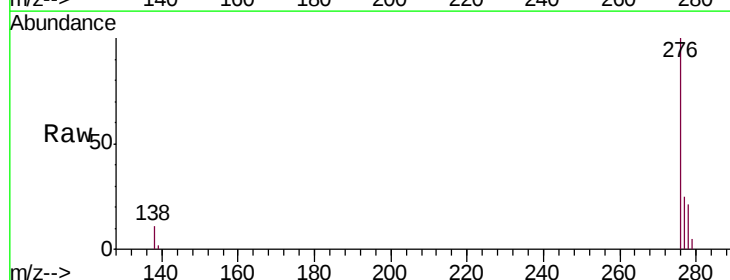
Tgt Ion:276 Resp: 619003

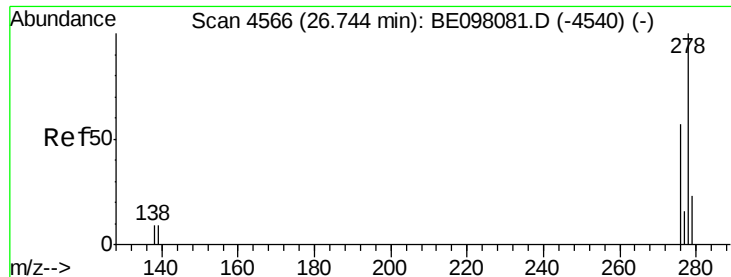
Ion Ratio Lower Upper

276 100

138 11.2 11.8 17.8#

227 0.0 0.0 0.0

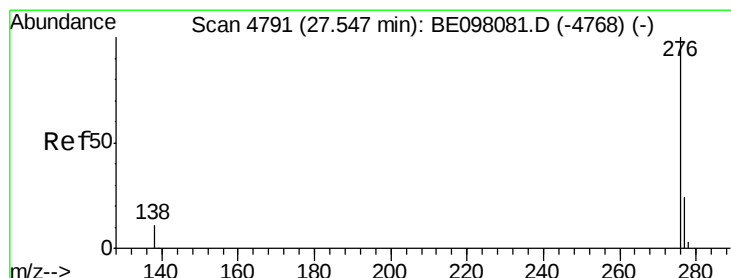
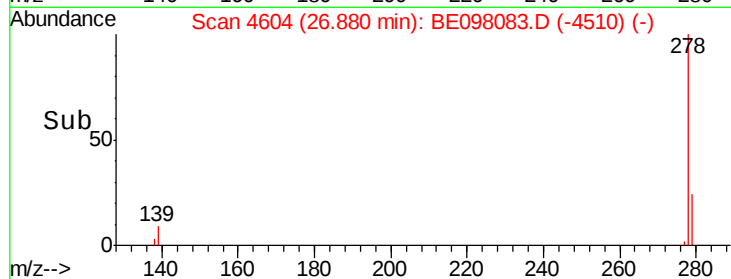
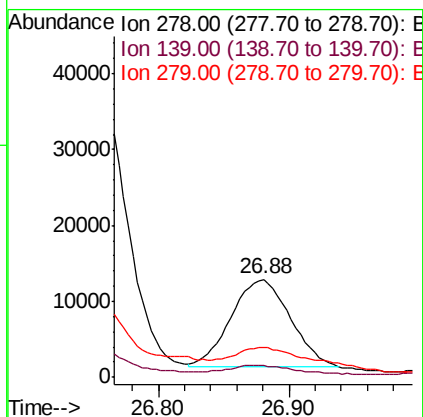
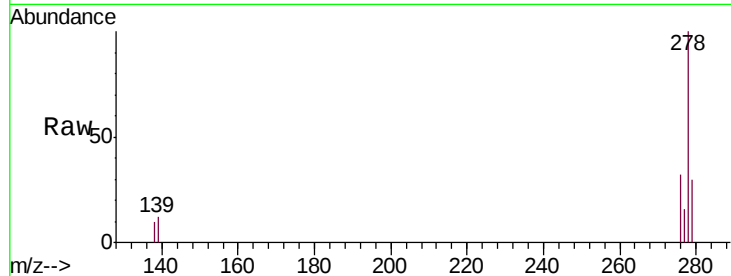




#25
Dibenzo(a,h)anthracene
Concen: 1.076 ng/ul
RT: 26.88 min Scan# 4604
Delta R.T. 0.14 min
Lab File: BE098083.D
Acq: 26 Oct 2018 11:13

Instrument :
BNA_E
ClientSampleId :
C0AE4

Tgt Ion: 278 Resp: 35542
Ion Ratio Lower Upper
278 100
139 12.0 10.0 15.0
279 30.4 20.3 30.5



#26
Benzo(g,h,i)perylene
Concen: 15.253 ng/ul
RT: 27.58 min Scan# 4799
Delta R.T. 0.03 min
Lab File: BE098083.D
Acq: 26 Oct 2018 11:13

Tgt Ion: 276 Resp: 509135
Ion Ratio Lower Upper
276 100
138 11.6 11.6 17.4#
277 24.2 20.8 31.2

