

Data File : BE098091.D
Acq On : 26 Oct 2018 16:38
Operator : SJ/JU
Sample : J5598-03DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AE5DL

Quant Time: Oct 26 23:21:05 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	922	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	4732	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	3431	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.29	188	8215	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	11365	0.40	ng/ul	0.00
20) Perylene-d12	24.03	264	9727	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	337	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.32	212	981	0.04	ng/ul	0.00

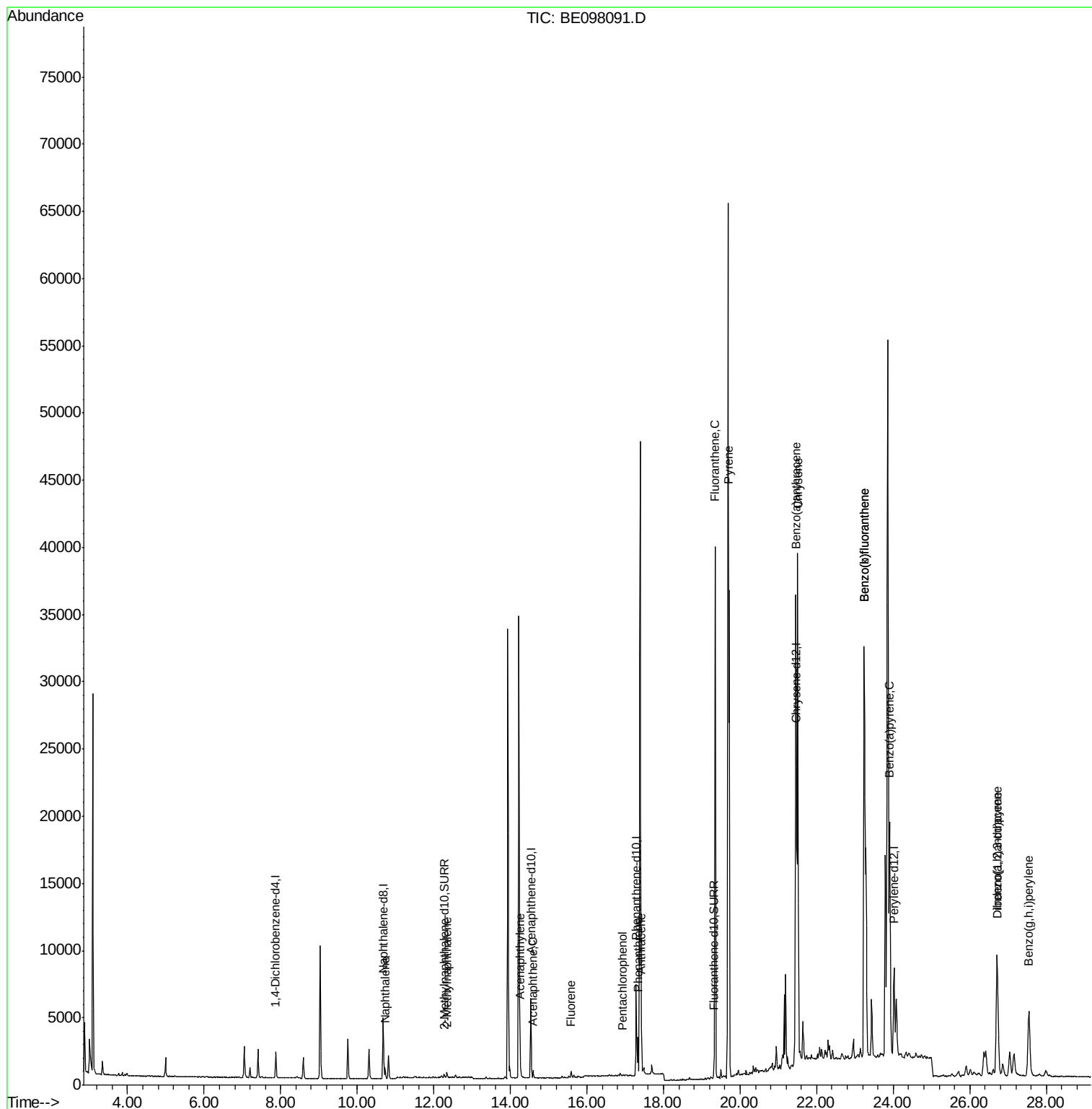
Target Compounds				Qvalue		
3) Naphthalene	10.73	128	1224	0.108	ng/ul#	89
5) 2-Methylnaphthalene	12.34	142	329	0.038	ng/ul	94
7) Acenaphthylene	14.25	152	1828	0.135	ng/ul#	93
8) Acenaphthene	14.60	153	337	0.033	ng/ul	93
9) Fluorene	15.59	166	308	0.025	ng/ul#	87
11) Pentachlorophenol	16.94	266	10	0.023	ng/ul#	18
12) Phenanthrene	17.33	178	2962	0.156	ng/ul	95
13) Anthracene	17.42	178	4432	0.237	ng/ul	97
15) Fluoranthene	19.35	202	44827	1.854	ng/ul	99
17) Pyrene	19.71	202	46260	1.743	ng/ul	99
18) Benzo(a)anthracene	21.45	228	37503	1.122	ng/ul	98
19) Chrysene	21.51	228	39782	1.539	ng/ul	98
21) Benzo(b)fluoranthene	23.24	252	76717	2.847	ng/ul	98
22) Benzo(k)fluoranthene	23.24	252	76717	2.908	ng/ul	99
23) Benzo(a)pyrene	23.91	252	27384	1.056	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	26.71	276	18647	0.628	ng/ul#	93
25) Dibenzo(a,h)anthracene	26.73	278	4960	0.200	ng/ul#	87
26) Benzo(g,h,i)perylene	27.54	276	13097	0.524	ng/ul	99

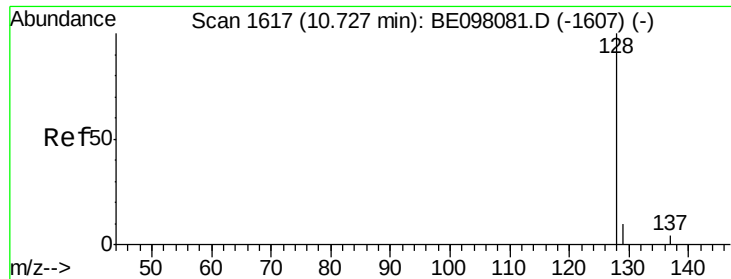
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.108 ng/ul

RT: 10.73 min Scan# 1617

Delta R.T. 0.00 min

Lab File: BE098091.D

Acq: 26 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :

C0AE5DL

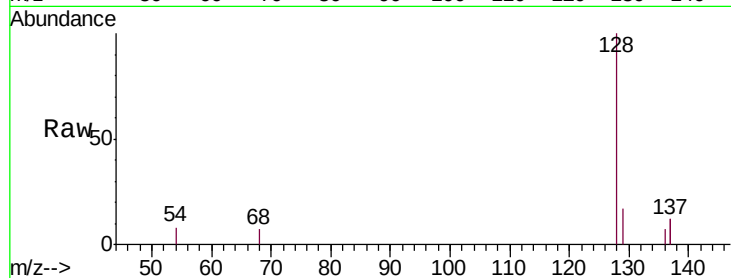
Tgt Ion:128 Resp: 1224

Ion Ratio Lower Upper

128 100

129 17.4 10.5 15.7#

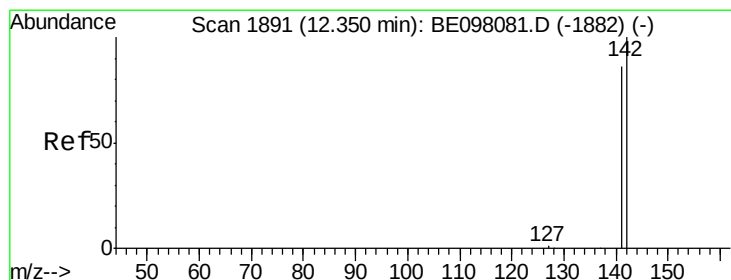
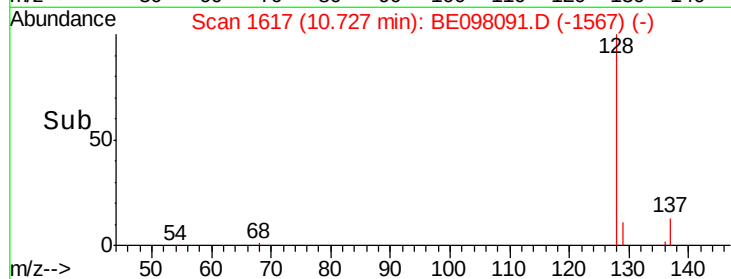
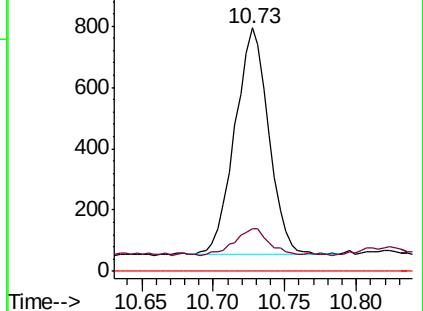
127 0.0 0.0 0.0



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: 0.038 ng/ul

RT: 12.34 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BE098091.D

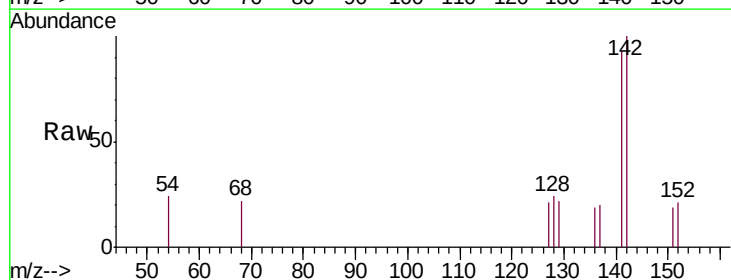
Acq: 26 Oct 2018 16:38

Tgt Ion:142 Resp: 329

Ion Ratio Lower Upper

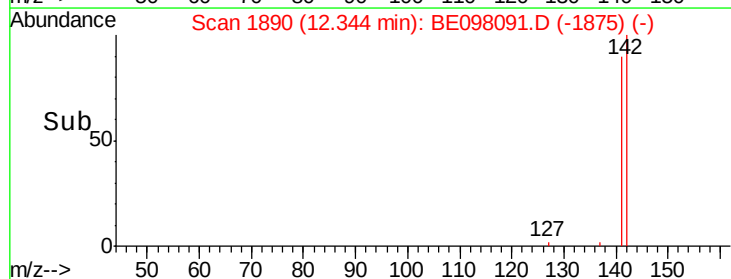
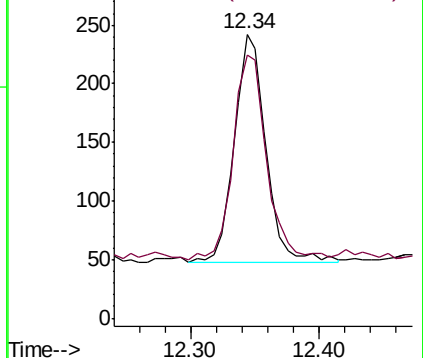
142 100

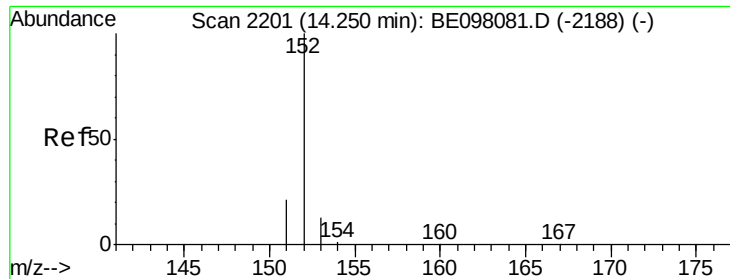
141 96.0 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.135 ng/ul

RT: 14.25 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BE098091.D

Acq: 26 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :

C0AE5DL

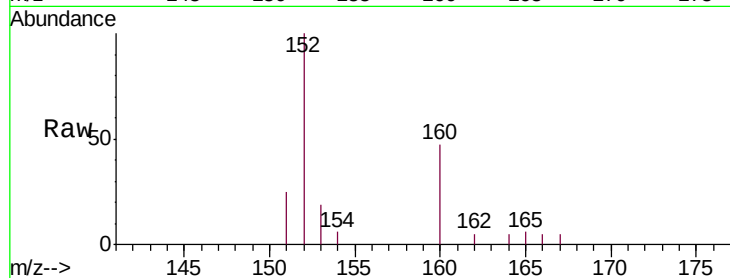
Tgt Ion:152 Resp: 1828

Ion Ratio Lower Upper

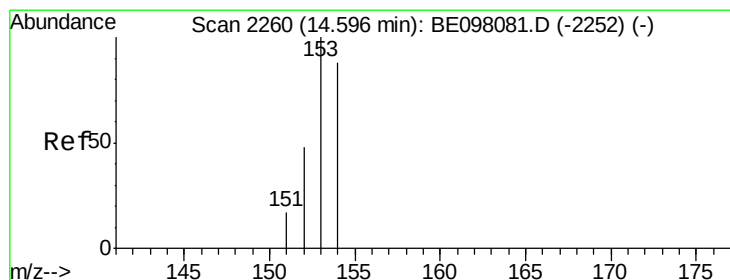
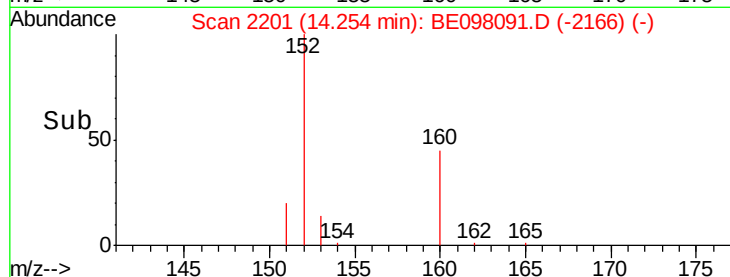
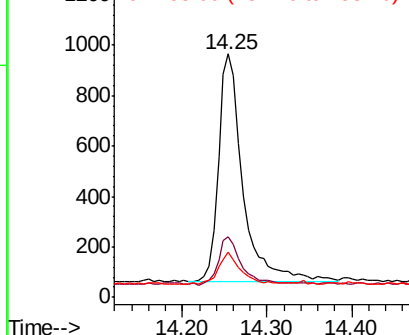
152 100

151 24.6 17.3 25.9

153 18.5 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: 0.033 ng/ul

RT: 14.60 min Scan# 2259

Delta R.T. -0.00 min

Lab File: BE098091.D

Acq: 26 Oct 2018 16:38

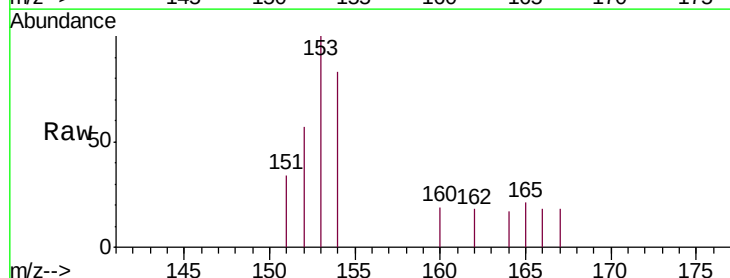
Tgt Ion:153 Resp: 337

Ion Ratio Lower Upper

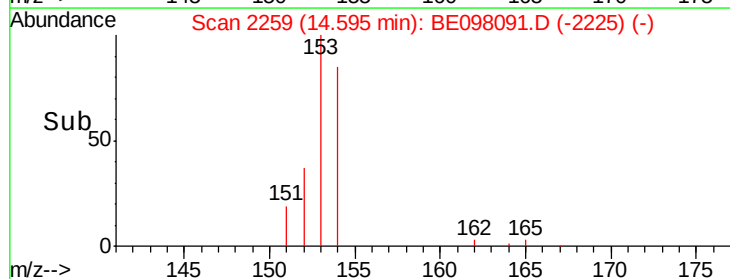
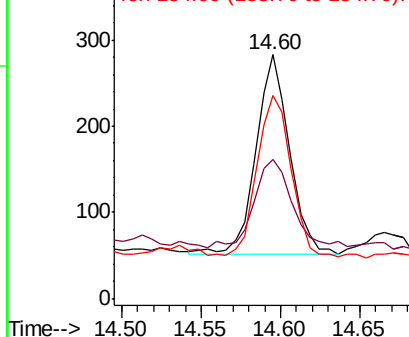
153 100

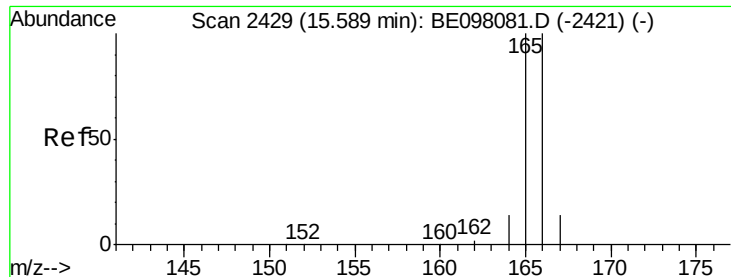
152 56.9 39.4 59.0

154 83.4 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

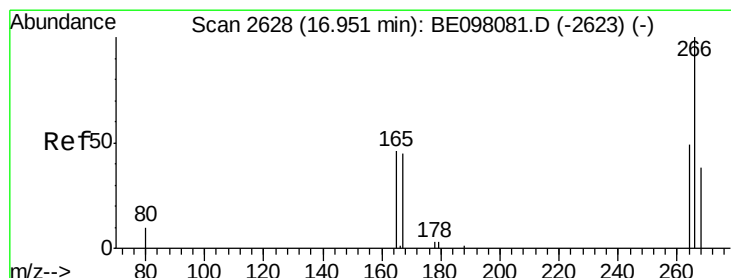
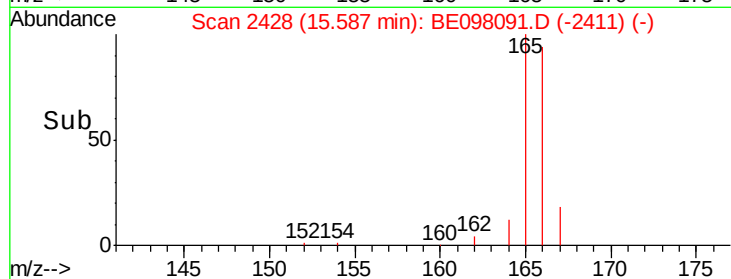
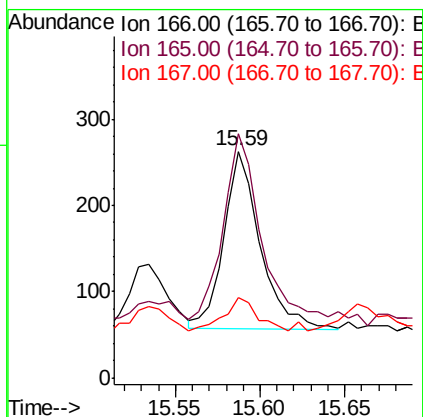
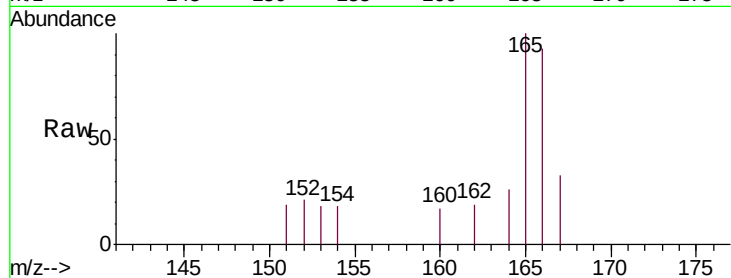




#9
Fluorene
 Concen: 0.025 ng/ul
 RT: 15.59 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BE098091.D
 Acq: 26 Oct 2018 16:38

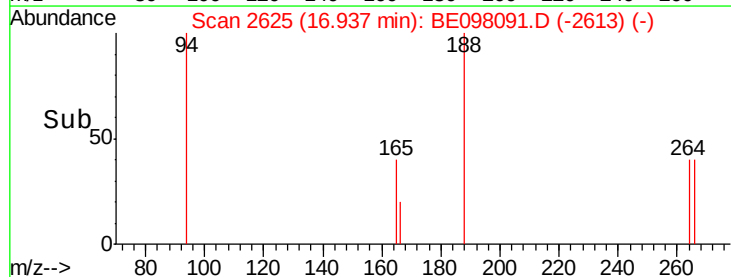
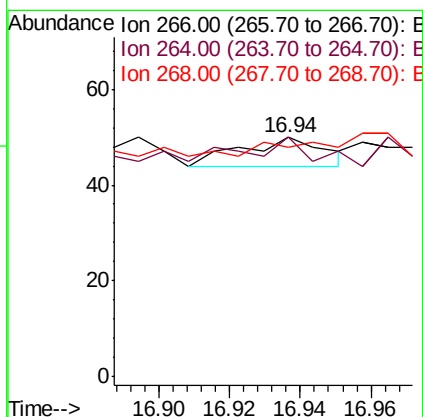
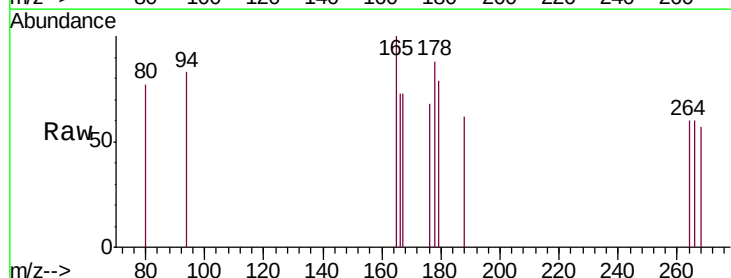
Instrument :
 BNA_E
 ClientSampleId :
 C0AE5DL

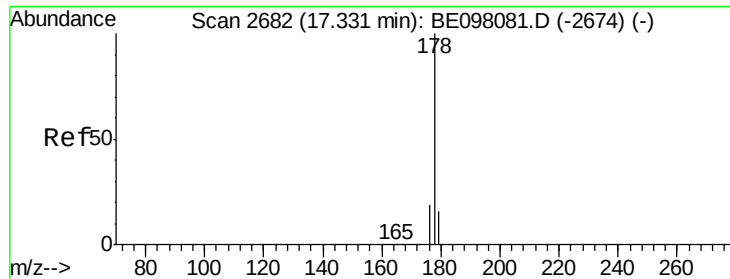
Tgt Ion:166 Resp: 308
 Ion Ratio Lower Upper
 166 100
 165 107.6 80.2 120.4
 167 35.4 12.0 18.0#



#11
Pentachlorophenol
 Concen: 0.023 ng/ul
 RT: 16.94 min Scan# 2625
 Delta R.T. -0.01 min
 Lab File: BE098091.D
 Acq: 26 Oct 2018 16:38

Tgt Ion:266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 264 0.0 48.5 72.7#
 268 0.0 53.7 80.5#





#12

Phenanthrene

Concen: 0.156 ng/ul

RT: 17.33 min Scan# 2681

Delta R.T. -0.00 min

Lab File: BE098091.D

Acq: 26 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :

C0AE5DL

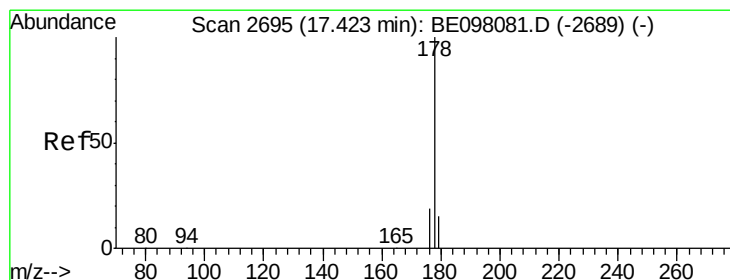
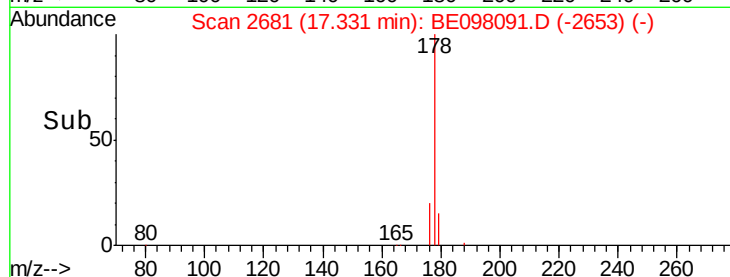
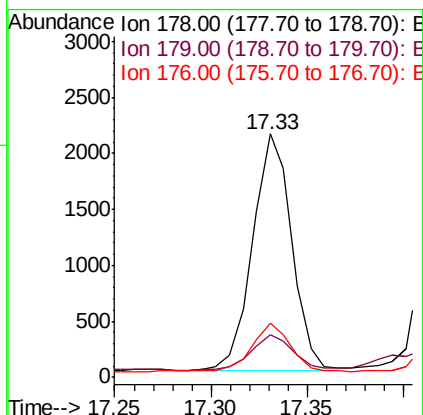
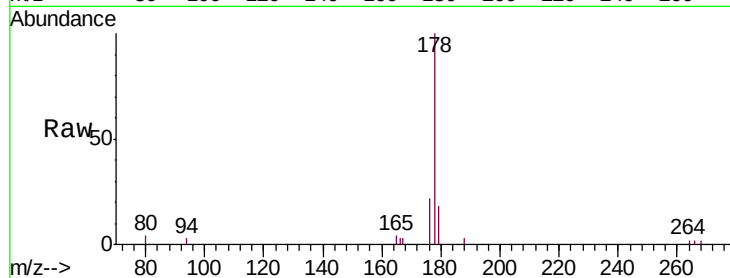
Tgt Ion:178 Resp: 2962

Ion Ratio Lower Upper

178 100

179 17.7 13.0 19.4

176 22.1 15.7 23.5



#13

Anthracene

Concen: 0.237 ng/ul

RT: 17.42 min Scan# 2694

Delta R.T. -0.00 min

Lab File: BE098091.D

Acq: 26 Oct 2018 16:38

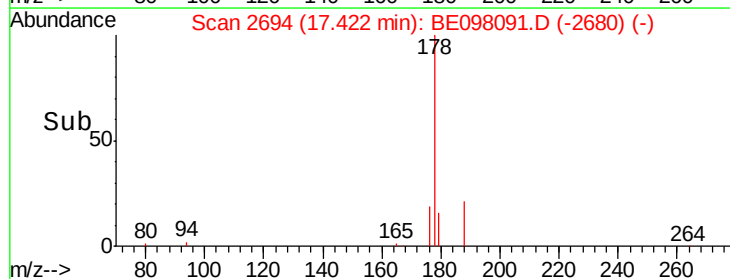
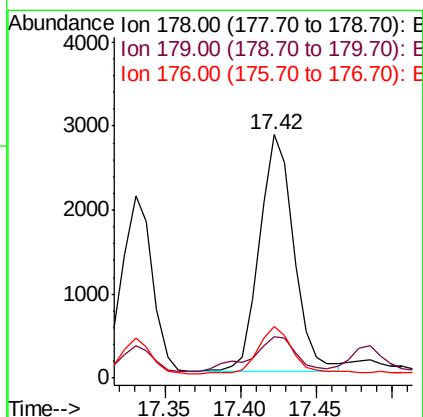
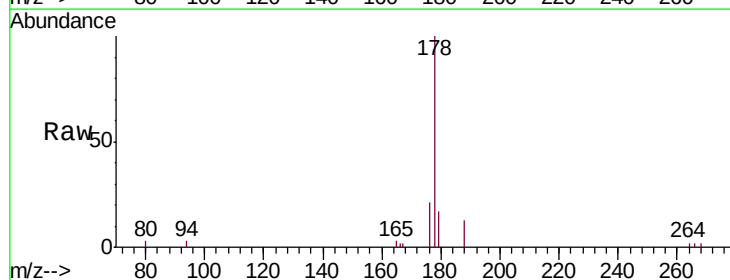
Tgt Ion:178 Resp: 4432

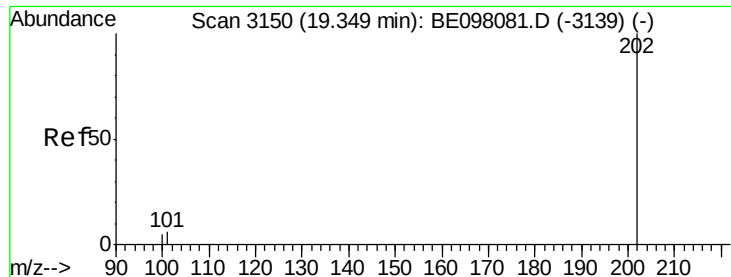
Ion Ratio Lower Upper

178 100

179 17.2 12.6 19.0

176 21.0 15.6 23.4





#15

Fluoranthene

Concen: 1.854 ng/ul

RT: 19.35 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE098091.D

Acq: 26 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :

C0AE5DL

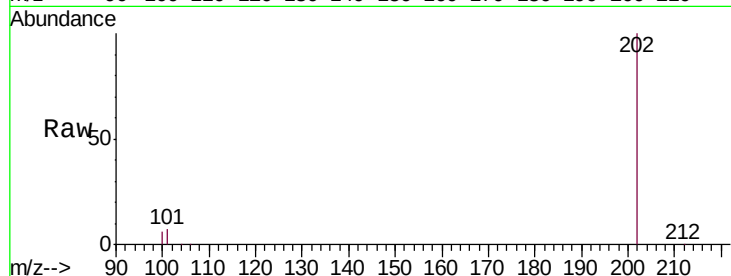
Tgt Ion:202 Resp: 44827

Ion Ratio Lower Upper

202 100

101 7.0 0.0 27.5

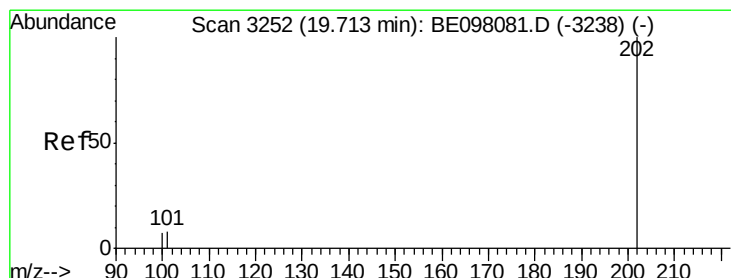
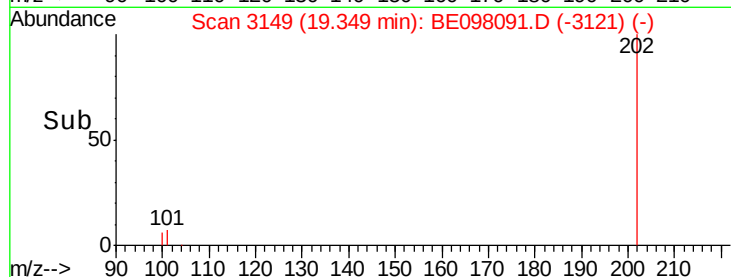
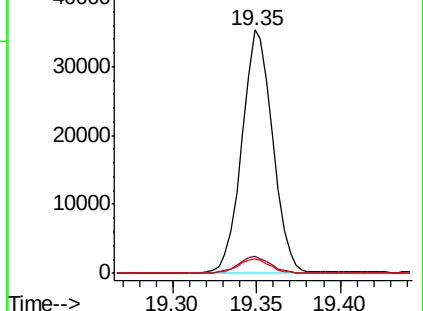
100 5.8 0.0 26.0



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: 1.743 ng/ul

RT: 19.71 min Scan# 3251

Delta R.T. -0.00 min

Lab File: BE098091.D

Acq: 26 Oct 2018 16:38

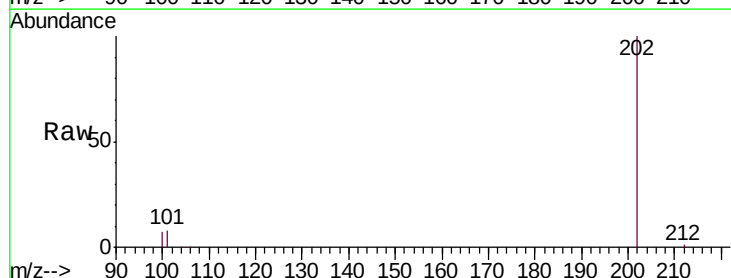
Tgt Ion:202 Resp: 46260

Ion Ratio Lower Upper

202 100

101 7.9 6.9 10.3

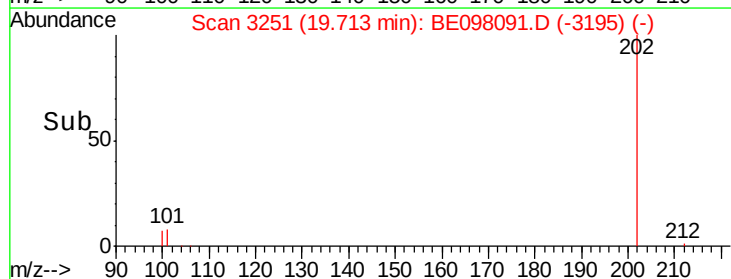
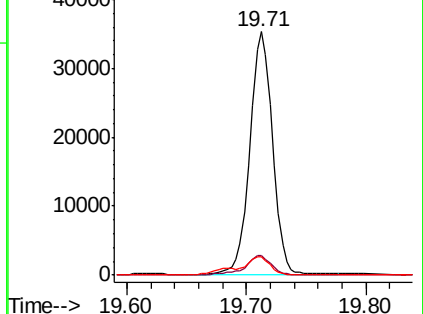
100 7.3 6.0 9.0

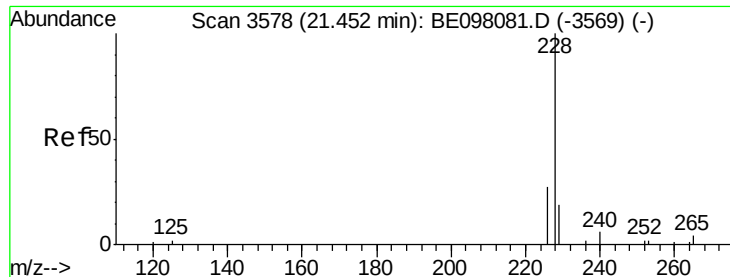


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 1.122 ng/ul

RT: 21.45 min Scan# 3577

Delta R.T. 0.00 min

Lab File: BE098091.D

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C0AE5DL

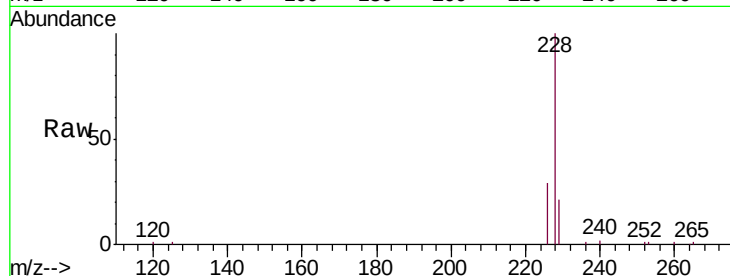
Tgt Ion:228 Resp: 37503

Ion Ratio Lower Upper

228 100

229 20.5 16.1 24.1

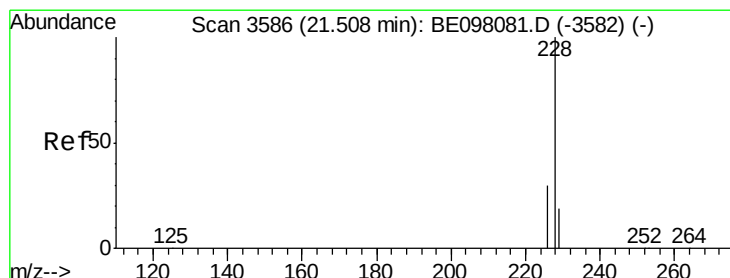
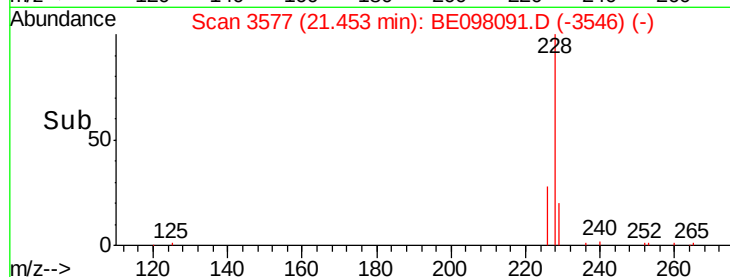
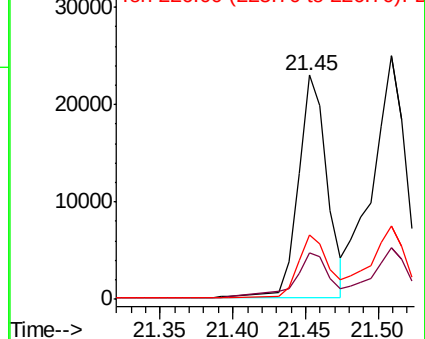
226 29.0 22.2 33.4



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: 1.539 ng/ul

RT: 21.51 min Scan# 3585

Delta R.T. 0.00 min

Lab File: BE098091.D

Acq: 26 Oct 2018 16:38

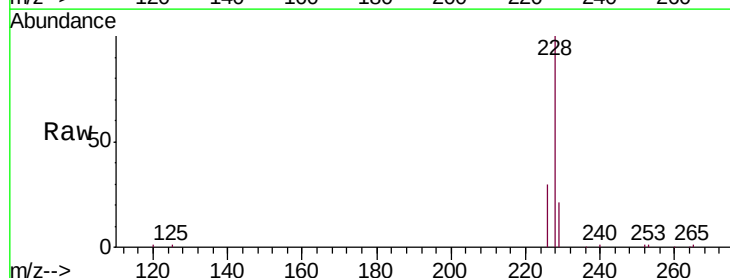
Tgt Ion:228 Resp: 39782

Ion Ratio Lower Upper

228 100

226 30.0 24.6 37.0

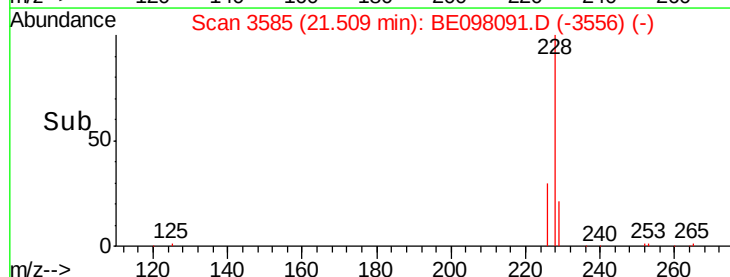
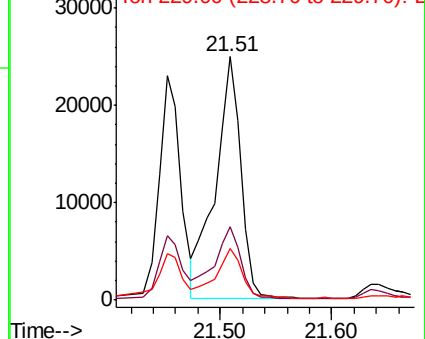
229 21.2 16.4 24.6

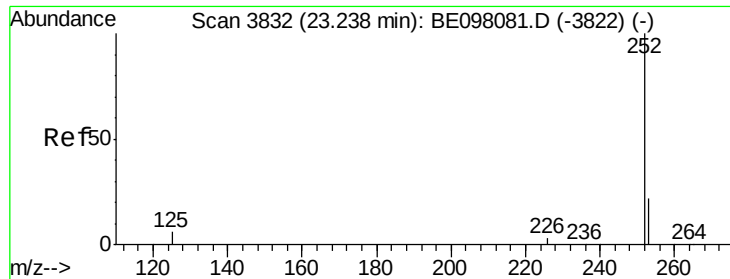


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 2.847 ng/ul

RT: 23.24 min Scan# 3831

Delta R.T. 0.00 min

Lab File: BE098091.D

Acq: 26 Oct 2018 16:38

Instrument :

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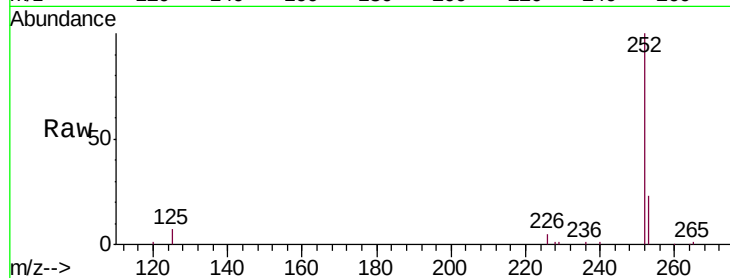
Tgt Ion:252 Resp: 76717

Ion Ratio Lower Upper

252 100

253 23.4 0.0 47.8

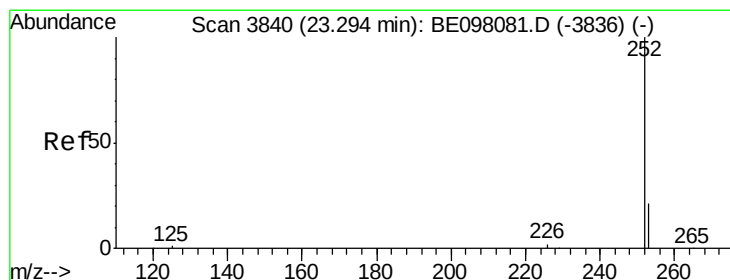
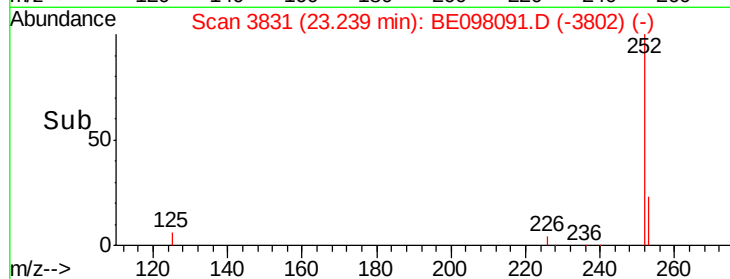
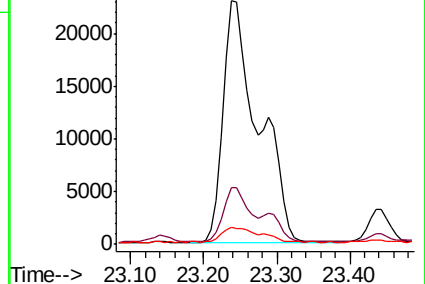
125 7.1 0.0 16.8



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: 2.908 ng/ul

RT: 23.24 min Scan# 3831

Delta R.T. -0.06 min

Lab File: BE098091.D

Acq: 26 Oct 2018 16:38

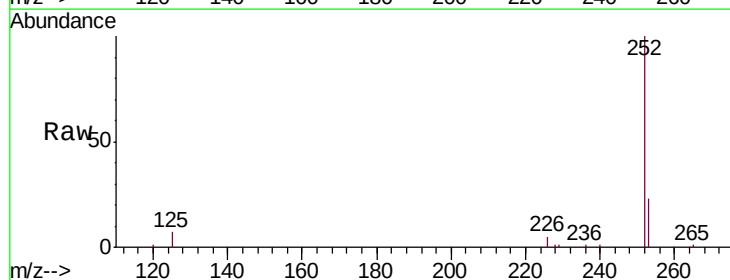
Tgt Ion:252 Resp: 76717

Ion Ratio Lower Upper

252 100

253 23.4 19.3 28.9

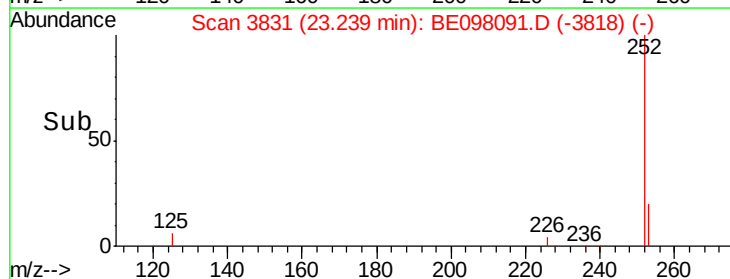
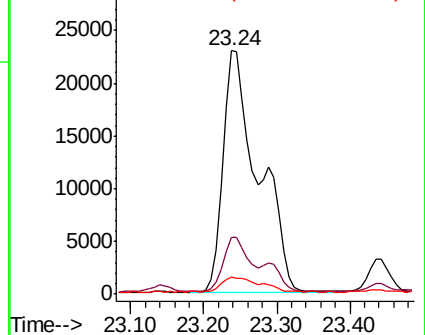
125 7.1 6.2 9.2

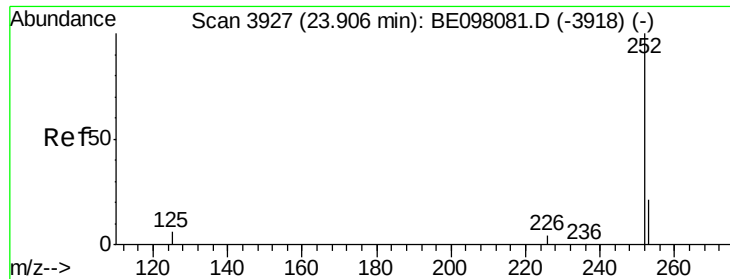


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.056 ng/ul

RT: 23.91 min Scan# 3926

Delta R.T. 0.00 min

Lab File: BE098091.D

Acq: 26 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :

C0AE5DL

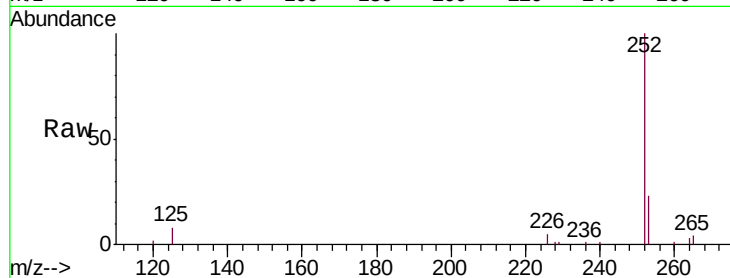
Tgt Ion:252 Resp: 27384

Ion Ratio Lower Upper

252 100

253 23.4 19.4 29.2

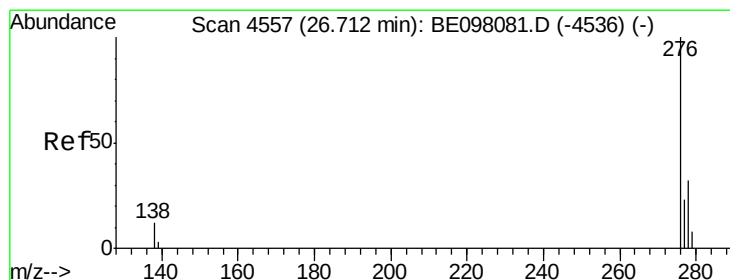
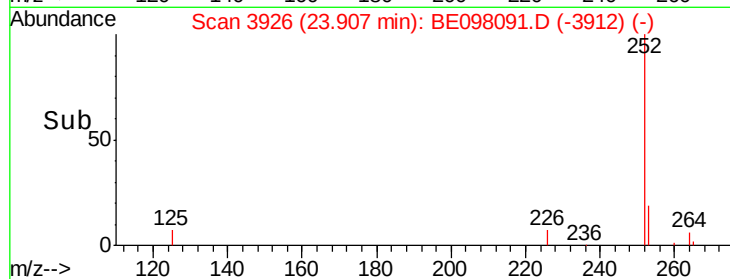
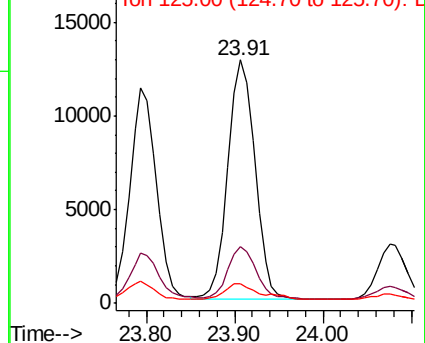
125 8.3 7.8 11.8



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: 0.628 ng/ul

RT: 26.71 min Scan# 4556

Delta R.T. -0.00 min

Lab File: BE098091.D

Acq: 26 Oct 2018 16:38

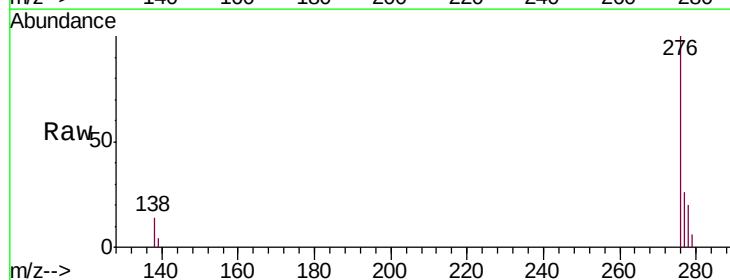
Tgt Ion:276 Resp: 18647

Ion Ratio Lower Upper

276 100

138 11.9 11.8 17.8

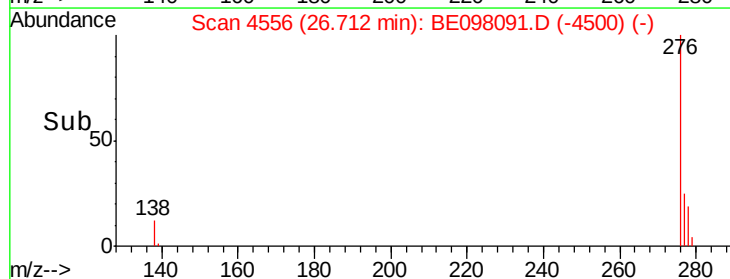
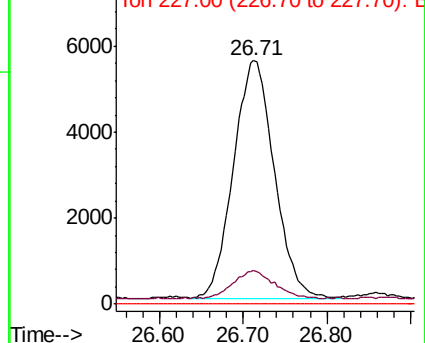
227 0.0 0.0 0.0

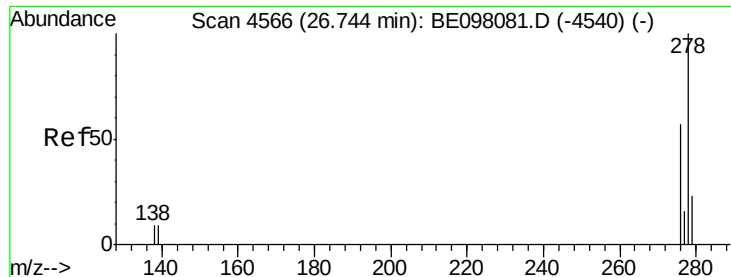


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.200 ng/ul

RT: 26.73 min Scan# 4561

Delta R.T. -0.01 min

Lab File: BE098091.D

Acq: 26 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :

C0AE5DL

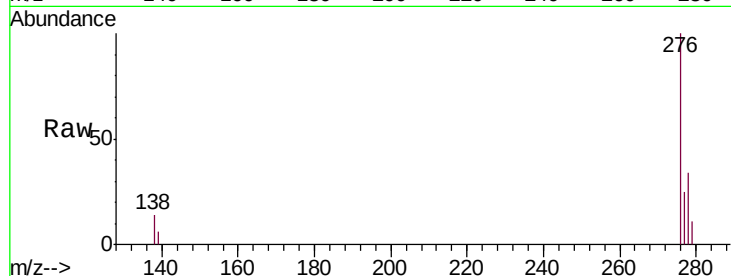
Tgt Ion:278 Resp: 4960

Ion Ratio Lower Upper

278 100

139 18.5 10.0 15.0#

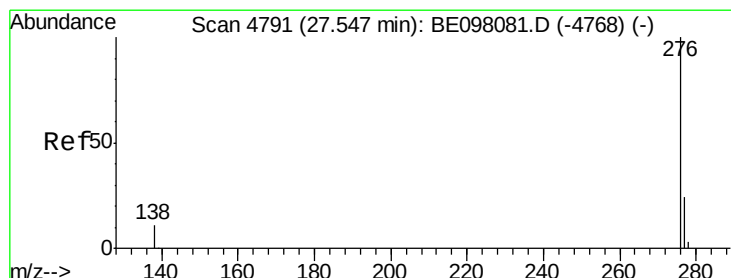
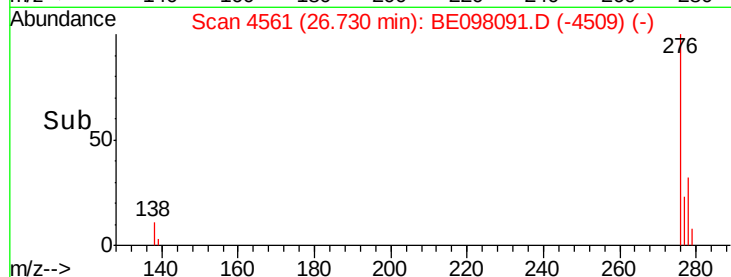
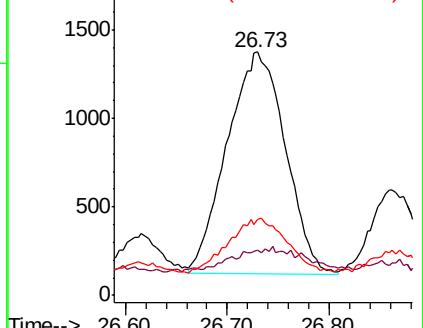
279 31.4 20.3 30.5#



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: 0.524 ng/ul

RT: 27.54 min Scan# 4789

Delta R.T. -0.00 min

Lab File: BE098091.D

Acq: 26 Oct 2018 16:38

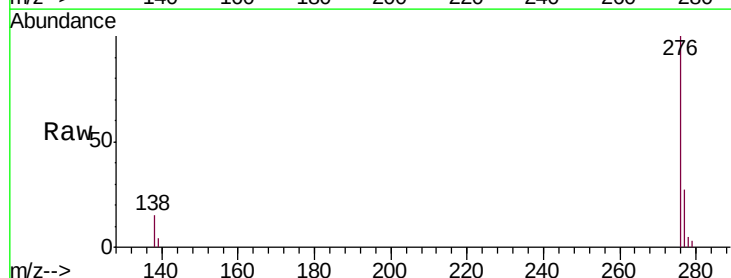
Tgt Ion:276 Resp: 13097

Ion Ratio Lower Upper

276 100

138 15.2 11.6 17.4

277 26.5 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

