

Data File : BE098082.D
Acq On : 26 Oct 2018 10:34
Operator : SJ/JU
Sample : J5598-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AE7

Quant Time: Oct 26 23:18:57 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	7.88	152	1099	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	5448	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	4053	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.39	188	377951	0.40	ng/ul	0.11
16) Chrysene-d12	21.61	240	229	0.40	ng/ul	0.13
20) Perylene-d12	24.17	264	4145	0.40	ng/ul	0.14

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	2041	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.42	212	203	0.00	ng/ul	0.10

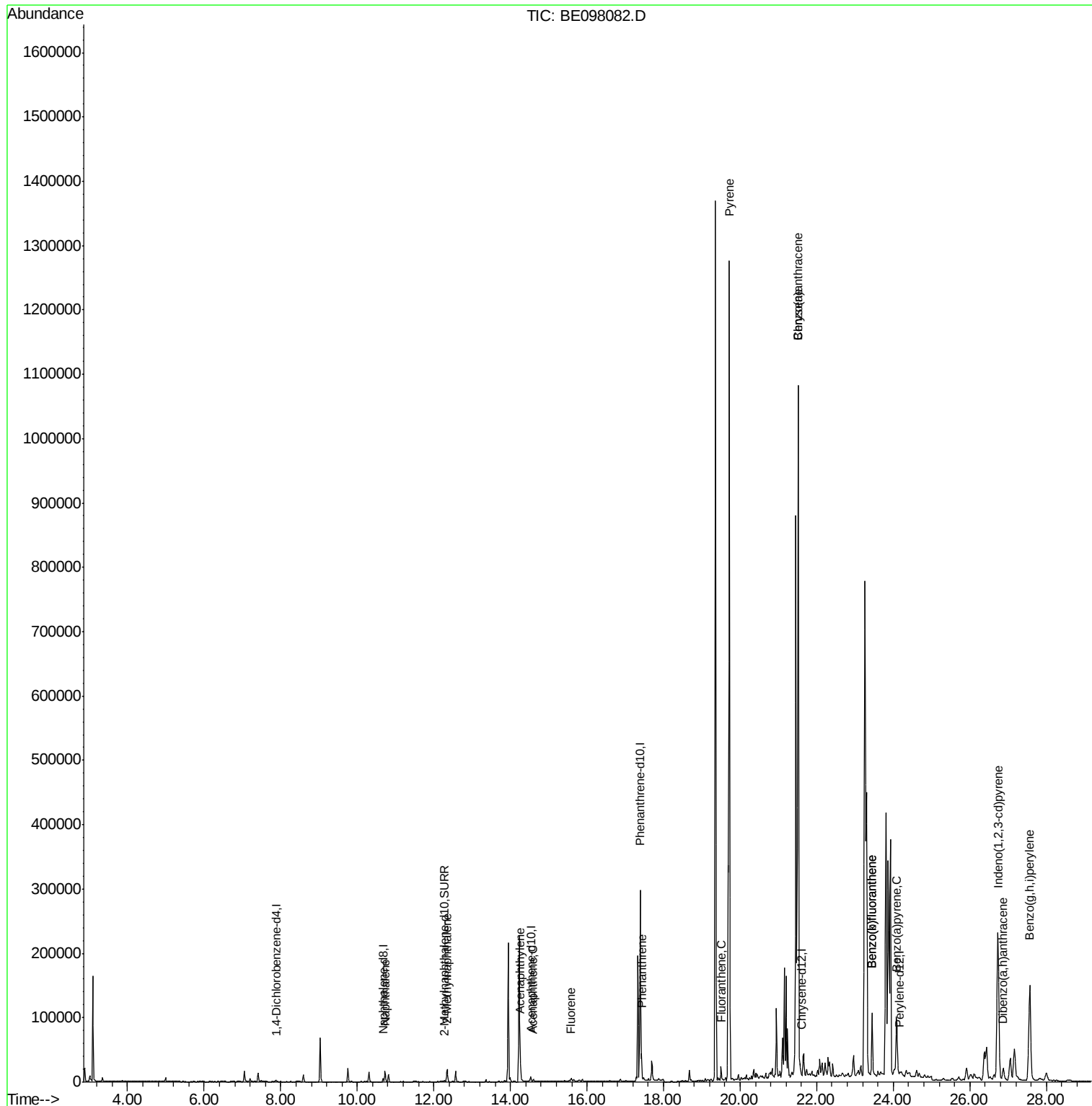
Target Compounds				Qvalue		
3) Naphthalene	10.73	128	26225	2.011	ng/ul	96
5) 2-Methylnaphthalene	12.34	142	15978	1.621	ng/ul	100
7) Acenaphthylene	14.26	152	48026	3.003	ng/ul	98
8) Acenaphthene	14.60	153	2501	0.209	ng/ul#	93
9) Fluorene	15.59	166	3310	0.230	ng/ul#	95
12) Phenanthrene	17.42	178	54874	0.063	ng/ul	99
15) Fluoranthene	19.50	202	28790	0.026	ng/ul	99
17) Pyrene	19.72	202	1460505	2731.472	ng/ul	98
18) Benzo(a)anthracene	21.52	228	1151274	1709.877	ng/ul	94
19) Chrysene	21.52	228	1151274	2210.404	ng/ul	98
21) Benzo(b)fluoranthene	23.45	252	143151	12.465	ng/ul	96
22) Benzo(k)fluoranthene	23.45	252	143432	12.759	ng/ul	97
23) Benzo(a)pyrene	24.09	252	131401	11.897	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	26.73	276	450102	35.561	ng/ul#	92
25) Dibenzo(a,h)anthracene	26.87	278	34366	3.258	ng/ul	93
26) Benzo(g,h,i)perylene	27.56	276	370938	34.813	ng/ul	95

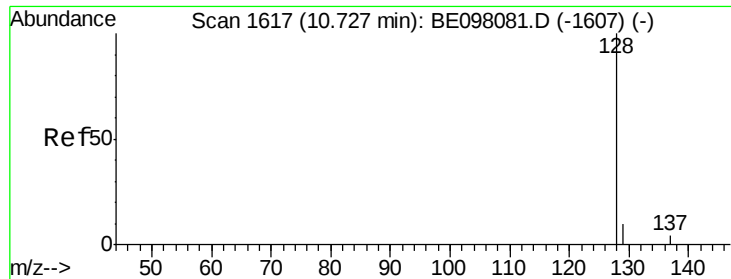
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.011 ng/ul

RT: 10.73 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BE098082.D

Acq: 26 Oct 2018 10:34

Instrument :

BNA_E

ClientSampleId :

C0AE7

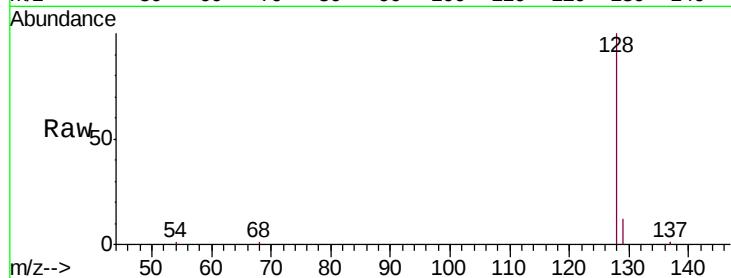
Tgt Ion:128 Resp: 26225

Ion Ratio Lower Upper

128 100

129 11.7 10.5 15.7

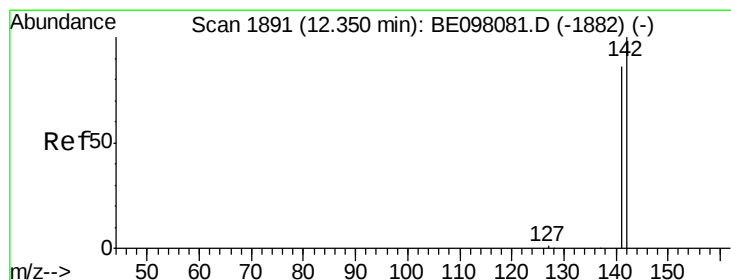
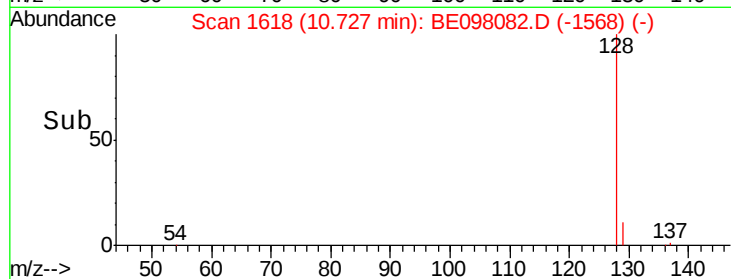
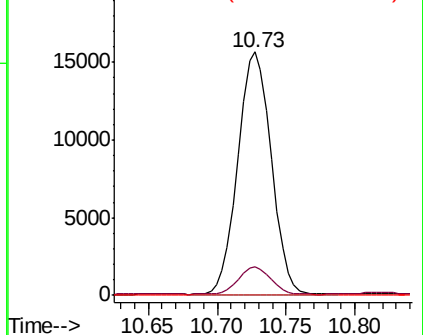
127 0.0 0.0 0.0



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: 1.621 ng/ul

RT: 12.34 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BE098082.D

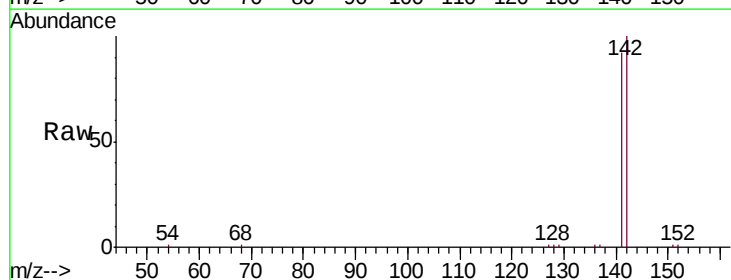
Acq: 26 Oct 2018 10:34

Tgt Ion:142 Resp: 15978

Ion Ratio Lower Upper

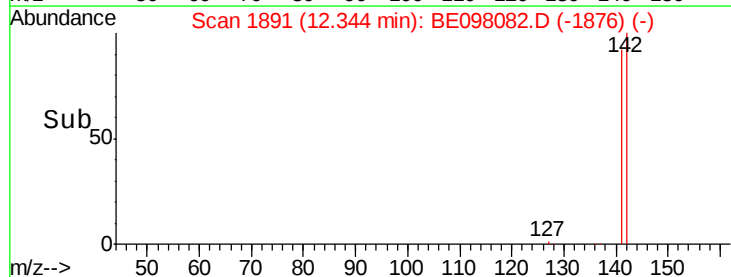
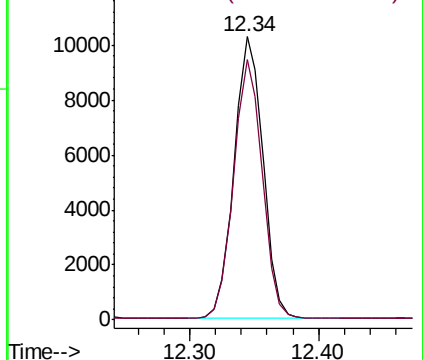
142 100

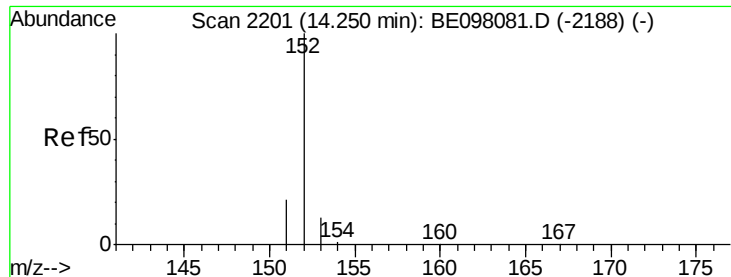
141 90.9 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.003 ng/ul

RT: 14.26 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BE098082.D

Acq: 26 Oct 2018 10:34

Instrument :

BNA_E

ClientSampleId :

C0AE7

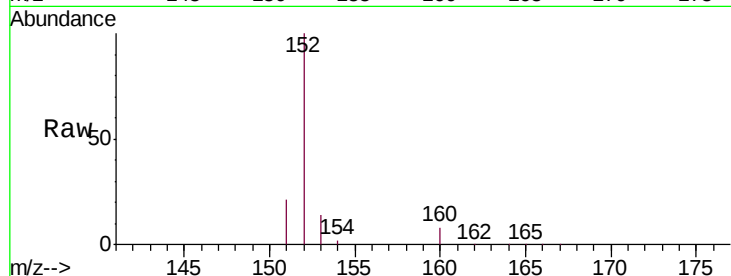
Tgt Ion:152 Resp: 48026

Ion Ratio Lower Upper

152 100

151 20.7 17.3 25.9

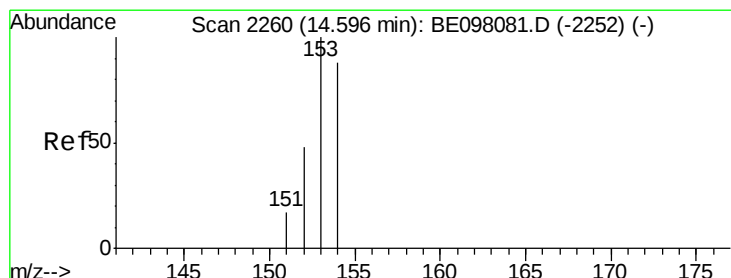
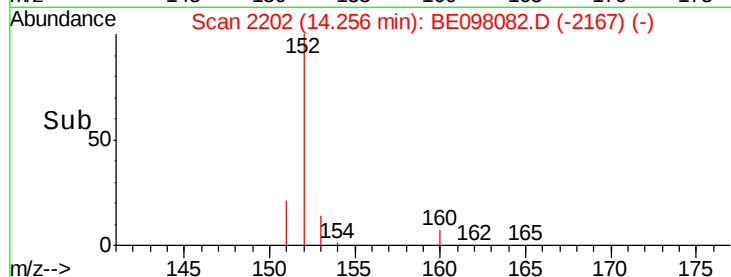
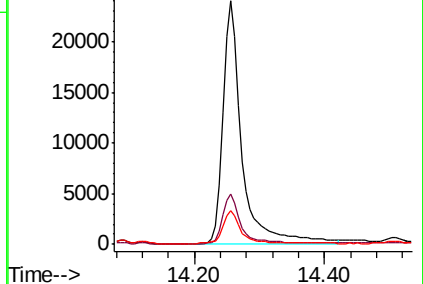
153 14.0 11.9 17.9



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: 0.209 ng/ul

RT: 14.60 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BE098082.D

Acq: 26 Oct 2018 10:34

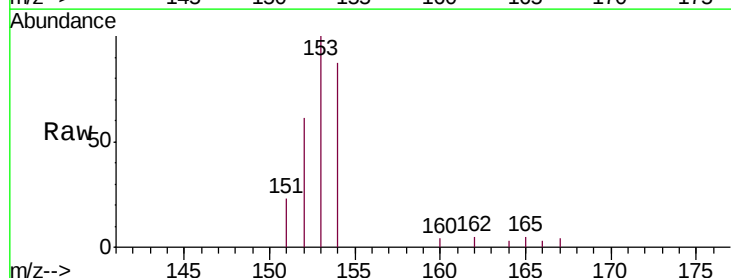
Tgt Ion:153 Resp: 2501

Ion Ratio Lower Upper

153 100

152 60.6 39.4 59.0#

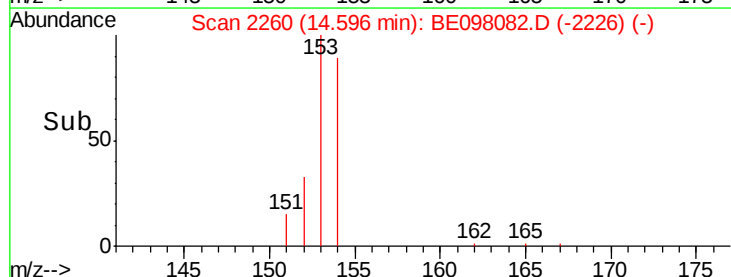
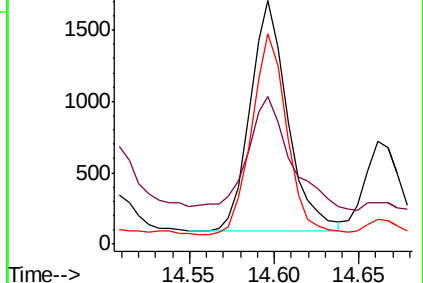
154 86.5 70.5 105.7

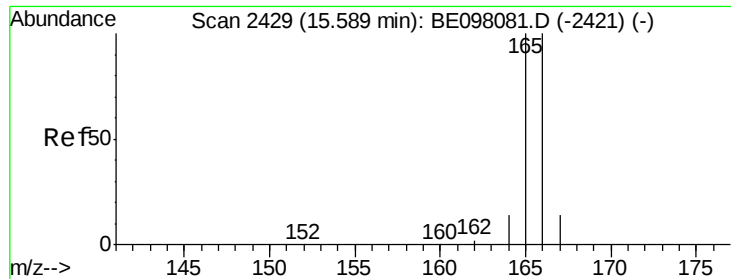


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.230 ng/ul

RT: 15.59 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BE098082.D

Acq: 26 Oct 2018 10:34

Instrument :

BNA_E

ClientSampleId :

C0AE7

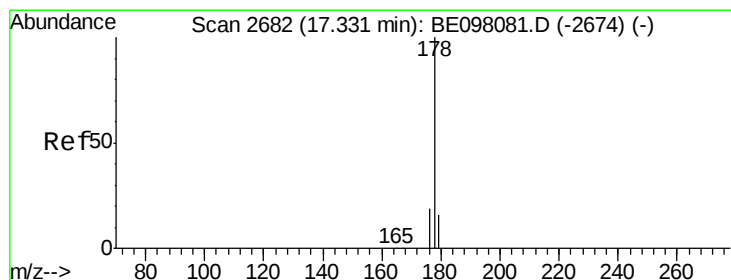
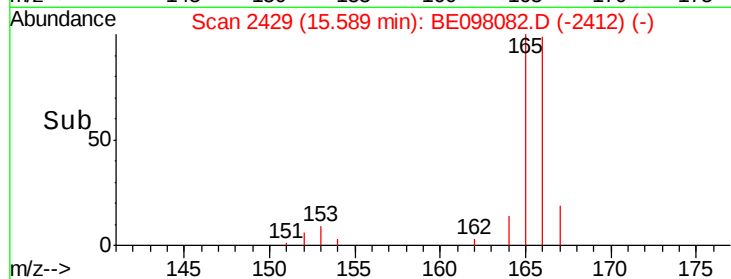
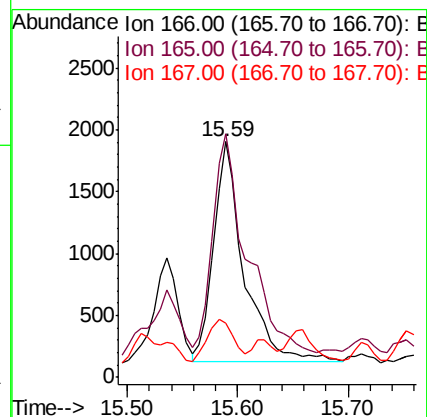
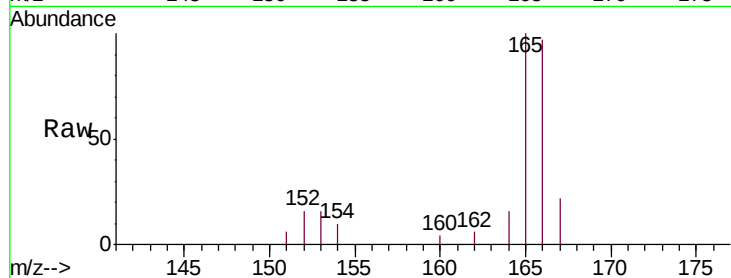
Tgt Ion:166 Resp: 3310

Ion Ratio Lower Upper

166 100

165 103.4 80.2 120.4

167 23.2 12.0 18.0#



#12

Phenanthrene

Concen: 0.063 ng/ul

RT: 17.42 min Scan# 2695

Delta R.T. 0.09 min

Lab File: BE098082.D

Acq: 26 Oct 2018 10:34

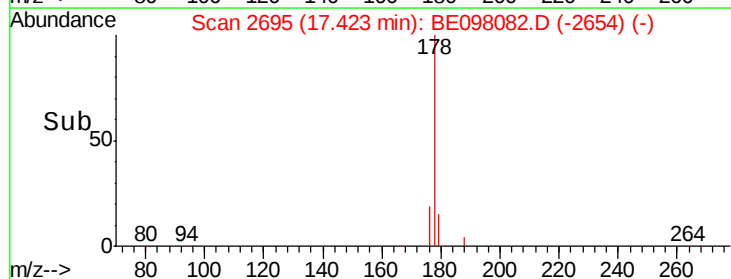
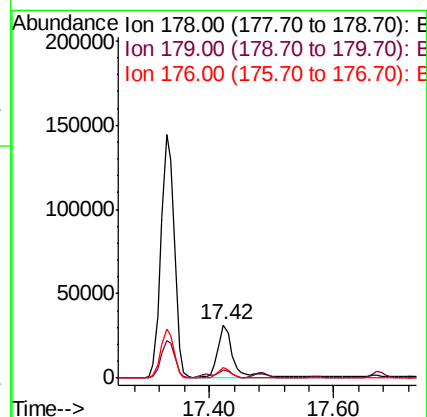
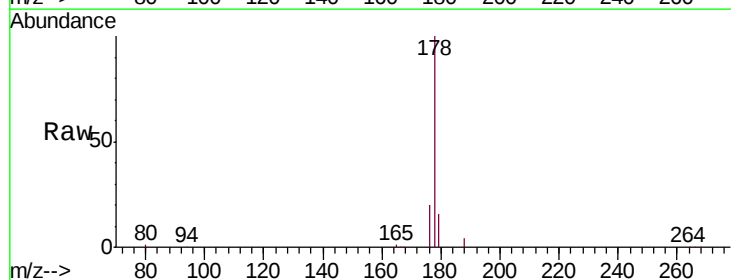
Tgt Ion:178 Resp: 54874

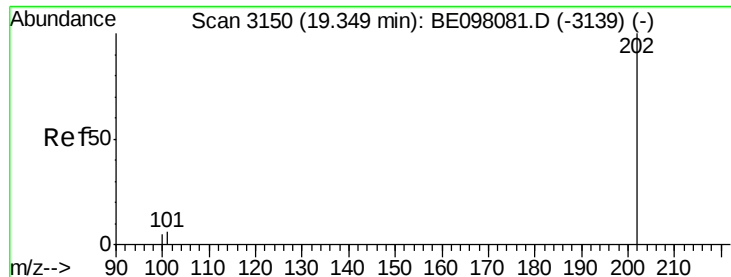
Ion Ratio Lower Upper

178 100

179 15.5 13.0 19.4

176 19.7 15.7 23.5





#15

Fluoranthene

Concen: 0.026 ng/ul

RT: 19.50 min Scan# 3193

Delta R.T. 0.15 min

Lab File: BE098082.D

Acq: 26 Oct 2018 10:34

Instrument :

BNA_E

ClientSampleId :

C0AE7

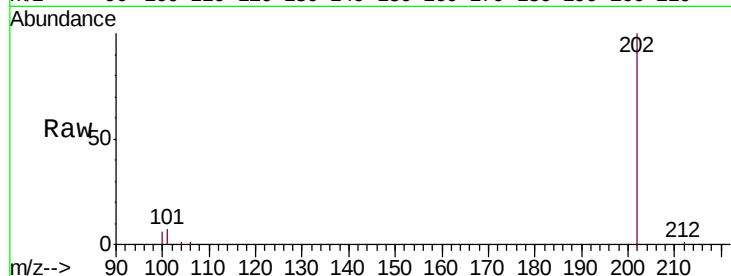
Tgt Ion:202 Resp: 28790

Ion Ratio Lower Upper

202 100

101 6.7 0.0 27.5

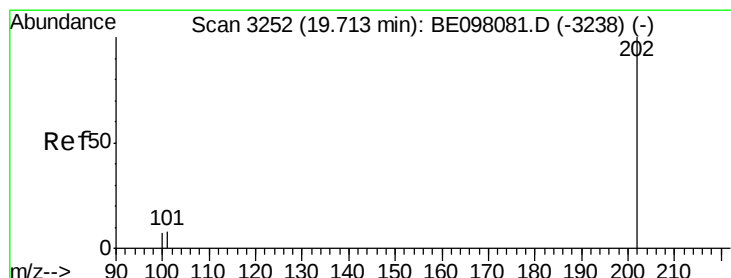
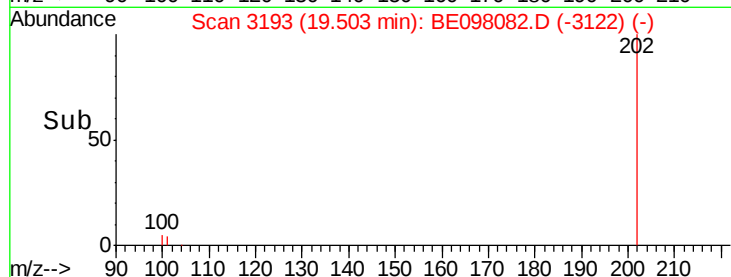
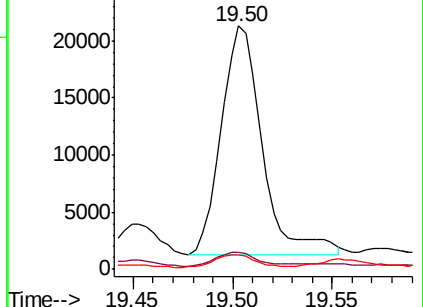
100 6.0 0.0 26.0



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: 2731.472 ng/ul

RT: 19.72 min Scan# 3254

Delta R.T. 0.01 min

Lab File: BE098082.D

Acq: 26 Oct 2018 10:34

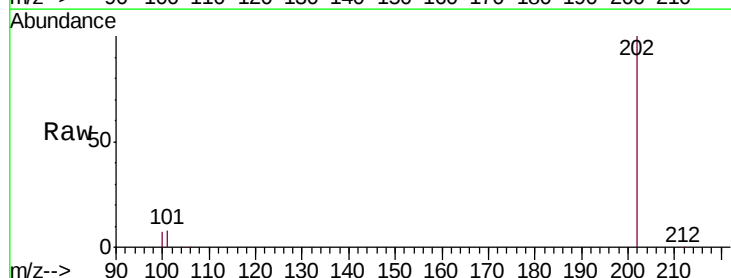
Tgt Ion:202 Resp: 1460505

Ion Ratio Lower Upper

202 100

101 7.6 6.9 10.3

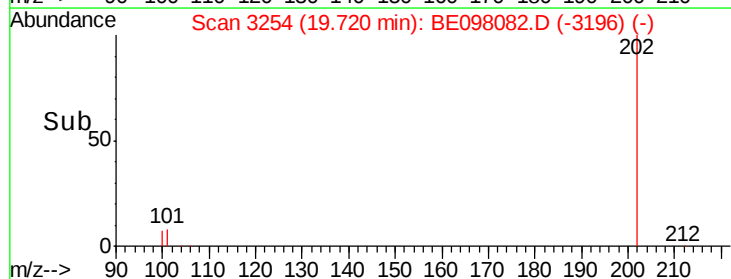
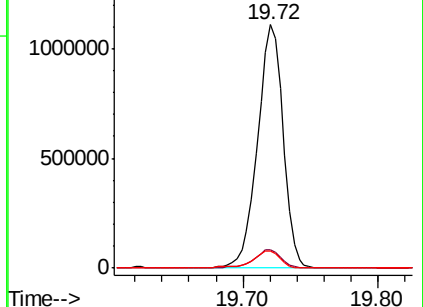
100 7.2 6.0 9.0

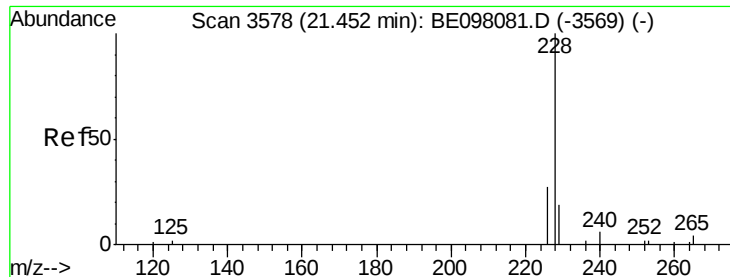


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 1709.877 ng/ul

RT: 21.52 min Scan# 3587

Delta R.T. 0.06 min

Lab File: BE098082.D

Acq: 26 Oct 2018 10:34

Instrument :

BNA_E

ClientSampleId :

C0AE7

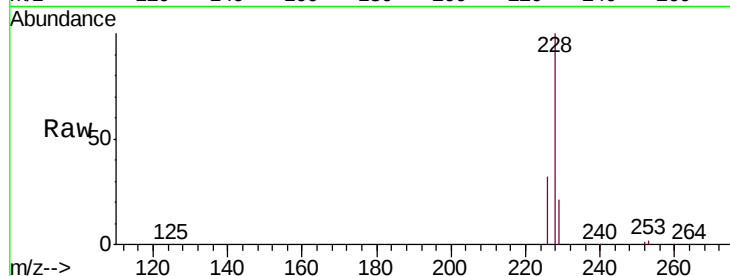
Tgt Ion:228 Resp: 1151274

Ion Ratio Lower Upper

228 100

229 21.2 16.1 24.1

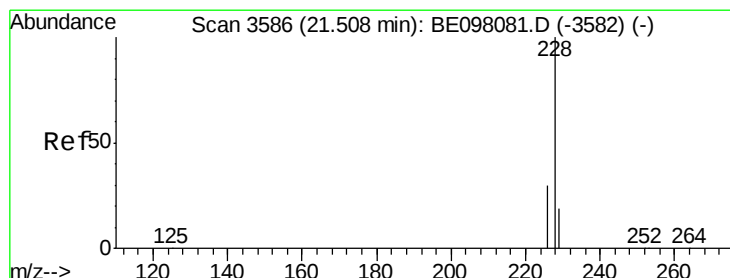
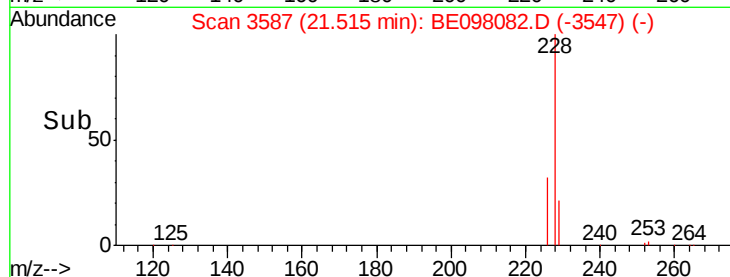
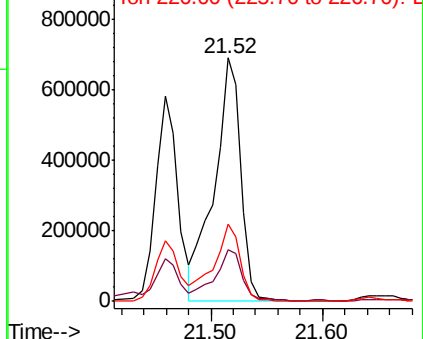
226 31.9 22.2 33.4



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: 2210.404 ng/ul

RT: 21.52 min Scan# 3587

Delta R.T. 0.01 min

Lab File: BE098082.D

Acq: 26 Oct 2018 10:34

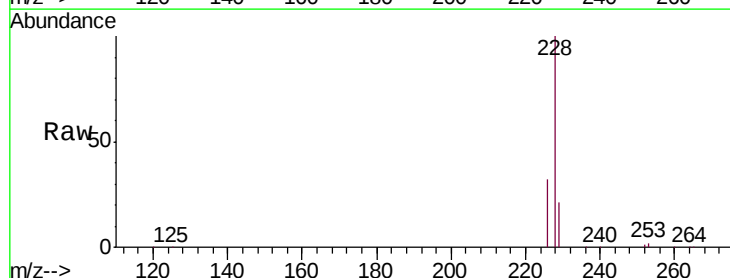
Tgt Ion:228 Resp: 1151274

Ion Ratio Lower Upper

228 100

226 31.9 24.6 37.0

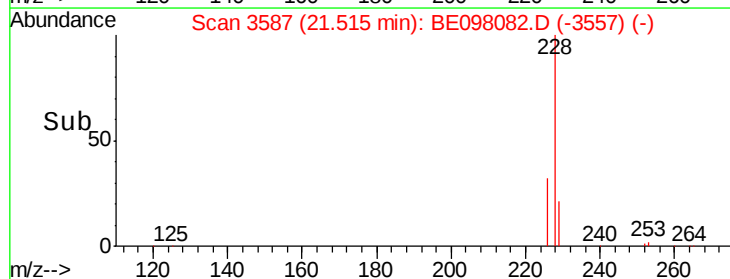
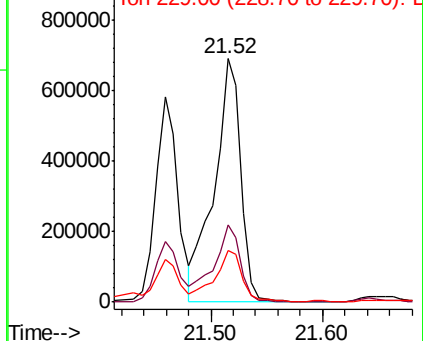
229 21.2 16.4 24.6

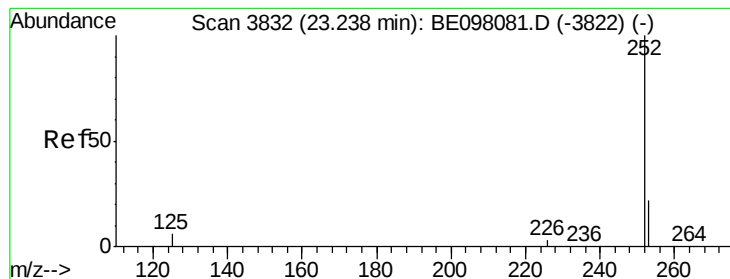


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 12.465 ng/u1

RT: 23.45 min Scan# 3862

Delta R.T. 0.21 min

Lab File: BE098082.D

Acq: 26 Oct 2018 10:34

Instrument :

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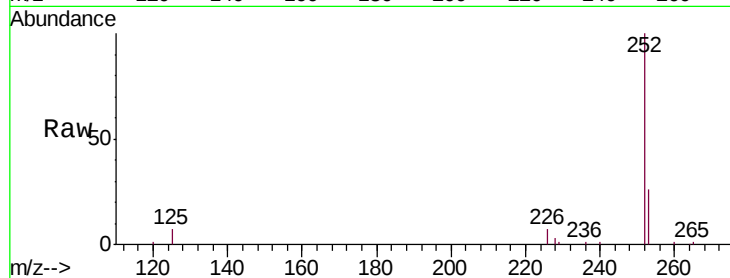
Tgt Ion:252 Resp: 143151

Ion Ratio Lower Upper

252 100

253 26.0 0.0 47.8

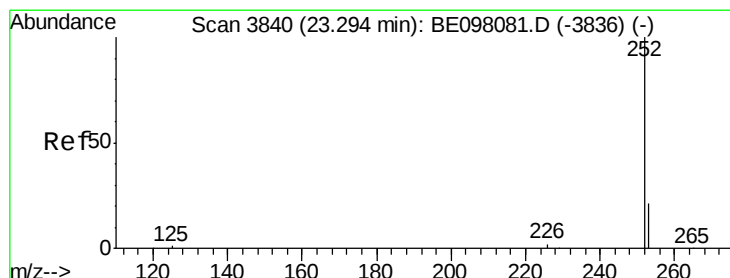
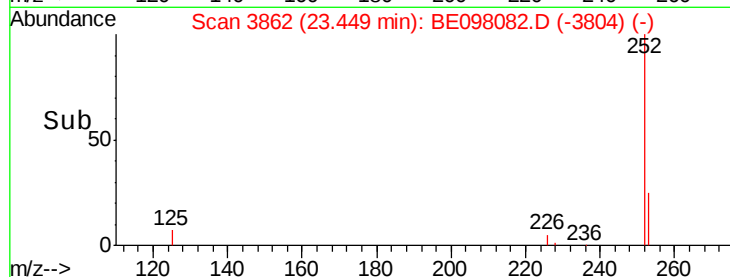
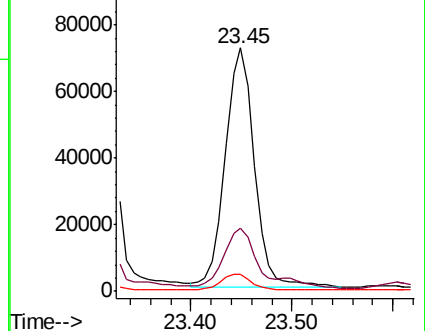
125 7.1 0.0 16.8



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: 12.759 ng/u1

RT: 23.45 min Scan# 3862

Delta R.T. 0.15 min

Lab File: BE098082.D

Acq: 26 Oct 2018 10:34

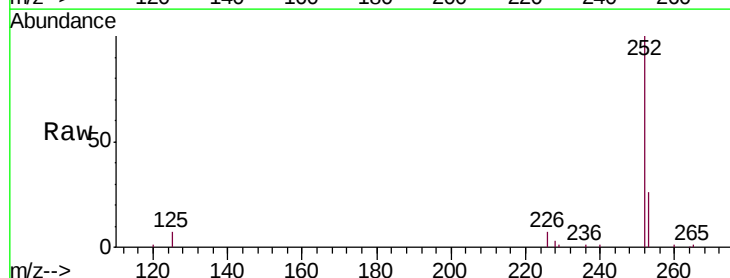
Tgt Ion:252 Resp: 143432

Ion Ratio Lower Upper

252 100

253 26.0 19.3 28.9

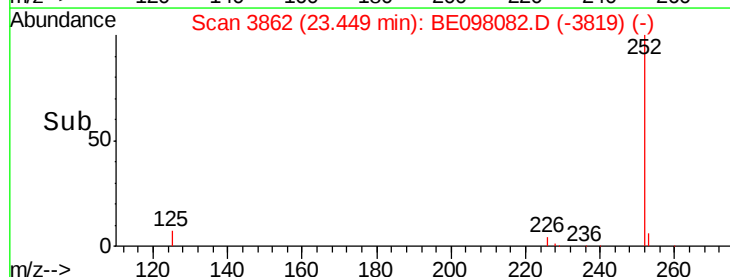
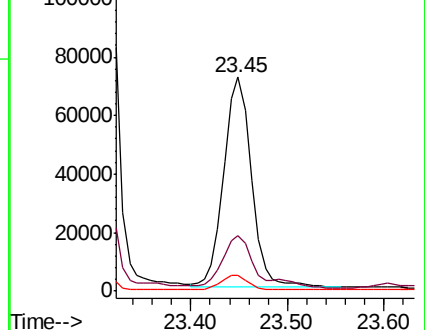
125 7.1 6.2 9.2

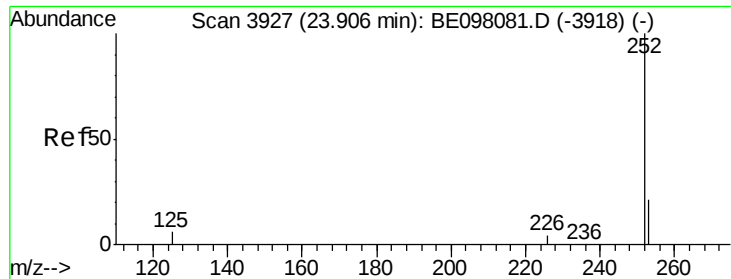


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 11.897 ng/ul

RT: 24.09 min Scan# 3953

Delta R.T. 0.18 min

Lab File: BE098082.D

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Instrument :

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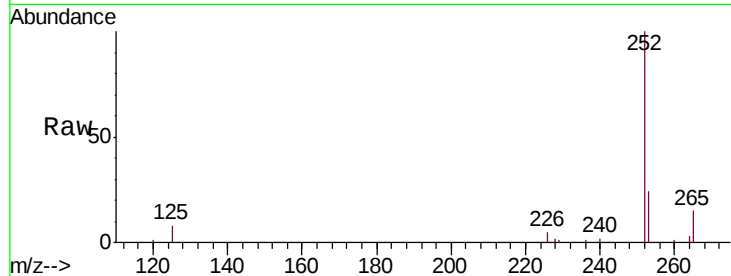
Tgt Ion:252 Resp: 131401

Ion Ratio Lower Upper

252 100

253 23.9 19.4 29.2

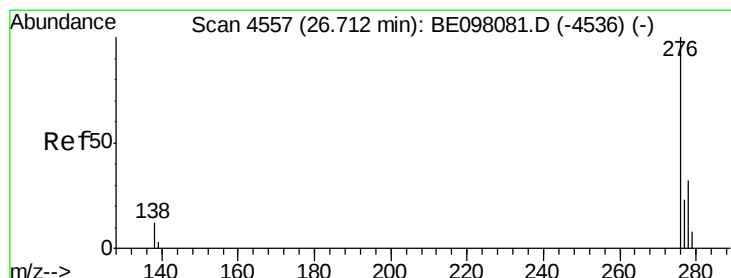
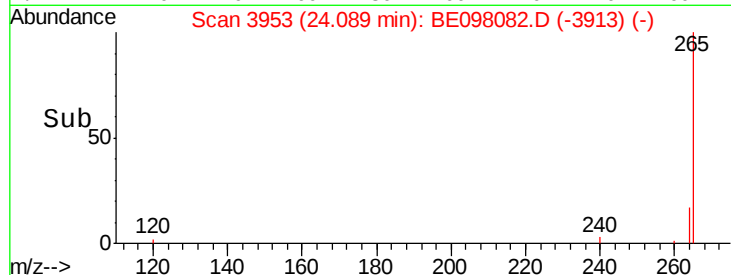
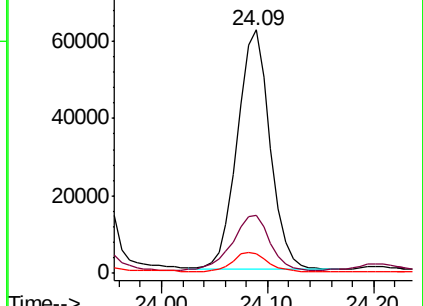
125 8.2 7.8 11.8



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: 35.561 ng/ul

RT: 26.73 min Scan# 4563

Delta R.T. 0.02 min

Lab File: BE098082.D

Acq: 26 Oct 2018 10:34

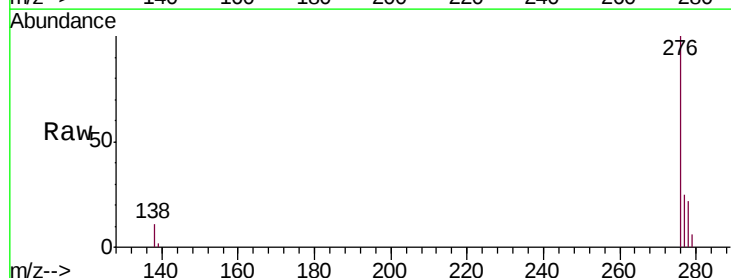
Tgt Ion:276 Resp: 450102

Ion Ratio Lower Upper

276 100

138 11.6 11.8 17.8#

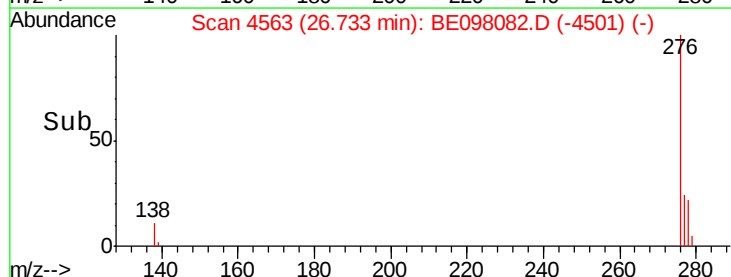
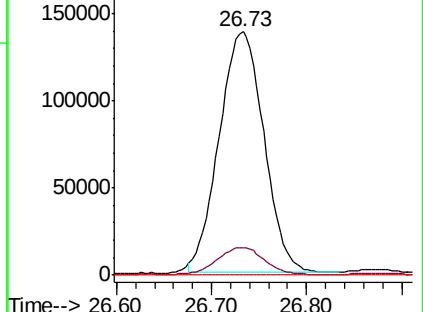
227 0.0 0.0 0.0

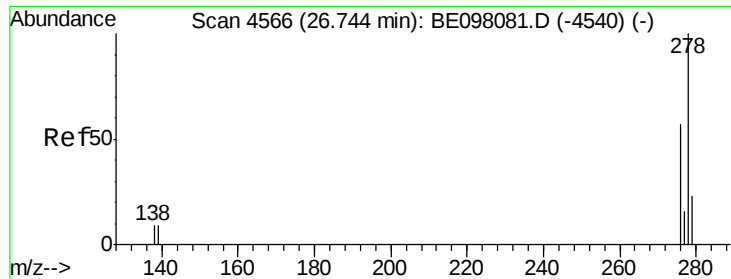


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

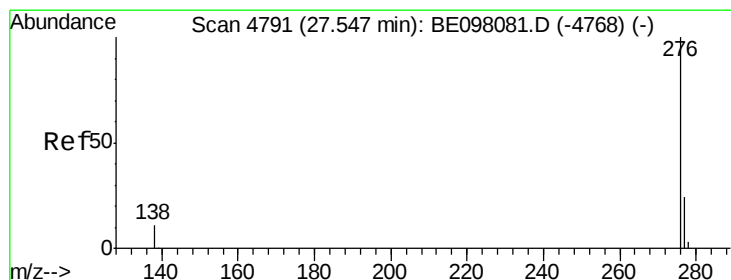
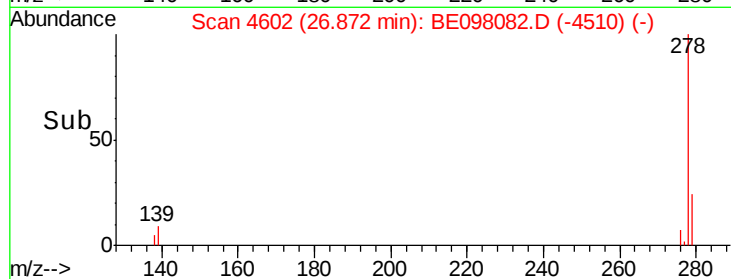
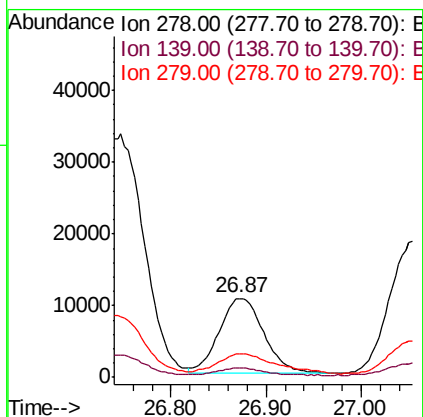
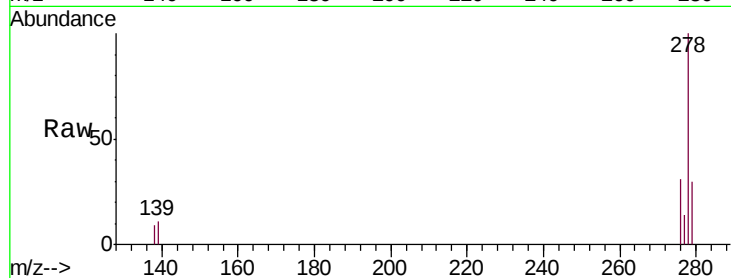




#25
 Dibenzo(a,h)anthracene
 Concen: 3.258 ng/ul
 RT: 26.87 min Scan# 4602
 Delta R.T. 0.13 min
 Lab File: BE098082.D
 Acq: 26 Oct 2018 10:34

Instrument :
 BNA_E
 ClientSampleId :
 C0AE7

Tgt Ion: 278 Resp: 34366
 Ion Ratio Lower Upper
 278 100
 139 11.3 10.0 15.0
 279 30.0 20.3 30.5



#26
 Benzo(g,h,i)perylene
 Concen: 34.813 ng/ul
 RT: 27.56 min Scan# 4796
 Delta R.T. 0.02 min
 Lab File: BE098082.D
 Acq: 26 Oct 2018 10:34

Tgt Ion: 276 Resp: 370938
 Ion Ratio Lower Upper
 276 100
 138 11.8 11.6 17.4
 277 24.1 20.8 31.2

