

Data File : BE098096.D
Acq On : 26 Oct 2018 19:45
Operator : SJ/JU
Sample : J5598-10DL 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AE1DL

Quant Time: Oct 27 00:36:50 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	1075	0.40	ng/ul	0.00
2) Naphthalene-d8	10.67	136	5473	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	3813	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.29	188	9148	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	12503	0.40	ng/ul	0.00
20) Perylene-d12	24.02	264	10441	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	378	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.32	212	1046	0.04	ng/ul	0.00

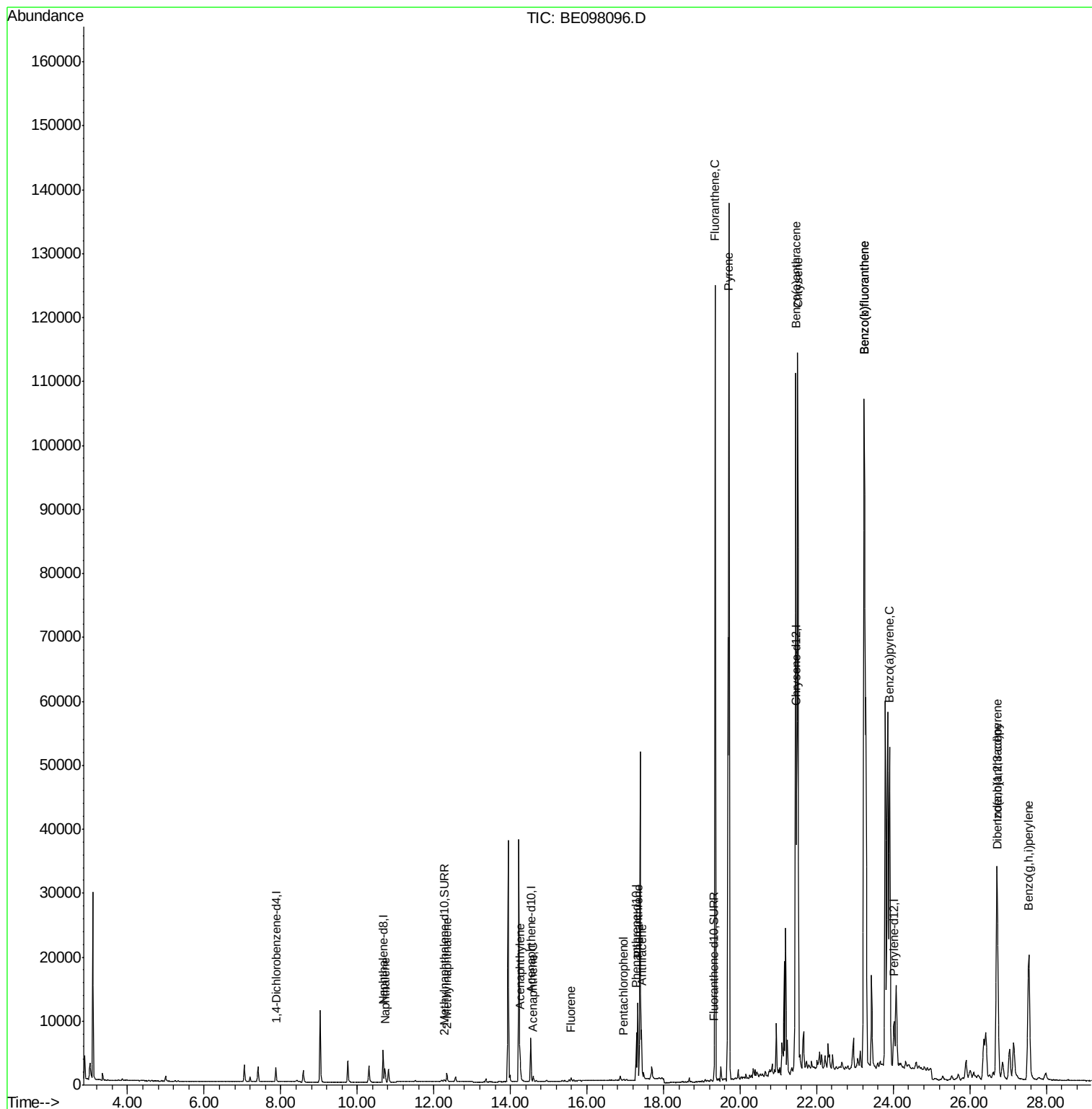
Target Compounds				Qvalue		
3) Naphthalene	10.73	128	3231	0.247	ng/ul	100
5) 2-Methylnaphthalene	12.34	142	1128	0.114	ng/ul	100
7) Acenaphthylene	14.26	152	5879	0.391	ng/ul	99
8) Acenaphthene	14.60	153	505	0.045	ng/ul	96
9) Fluorene	15.59	166	445	0.033	ng/ul#	93
11) Pentachlorophenol	16.97	266	22	0.046	ng/ul#	57
12) Phenanthrene	17.33	178	12553	0.595	ng/ul	99
13) Anthracene	17.42	178	8960	0.430	ng/ul	99
15) Fluoranthene	19.35	202	139104	5.168	ng/ul	99
17) Pyrene	19.71	202	162204	5.556	ng/ul	98
18) Benzo(a)anthracene	21.45	228	112176	3.051	ng/ul	99
19) Chrysene	21.51	228	126468	4.447	ng/ul	99
21) Benzo(b)fluoranthene	23.24	252	272814	9.431	ng/ul	96
22) Benzo(k)fluoranthene	23.24	252	272814	9.635	ng/ul	96
23) Benzo(a)pyrene	23.91	252	78531	2.823	ng/ul#	95
24) Indeno(1,2,3-cd)pyrene	26.71	276	67466	2.116	ng/ul#	93
25) Dibenzo(a,h)anthracene	26.73	278	17008	0.640	ng/ul	98
26) Benzo(g,h,i)perylene	27.54	276	51662	1.925	ng/ul	97

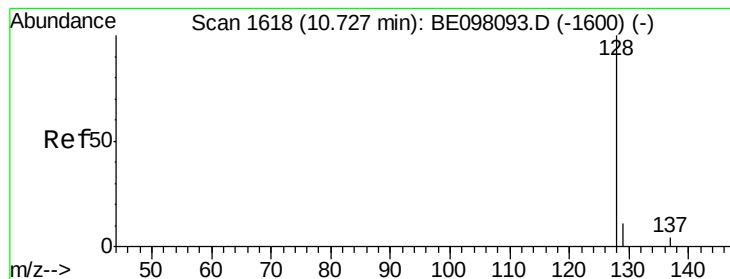
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.247 ng/ul

RT: 10.73 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BE098096.D

Acq: 26 Oct 2018 19:45

Instrument :

BNA_E

ClientSampleId :

C0AE1DL

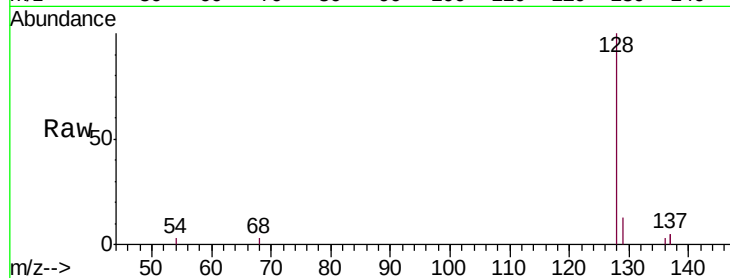
Tgt Ion:128 Resp: 3231

Ion Ratio Lower Upper

128 100

129 13.2 10.5 15.7

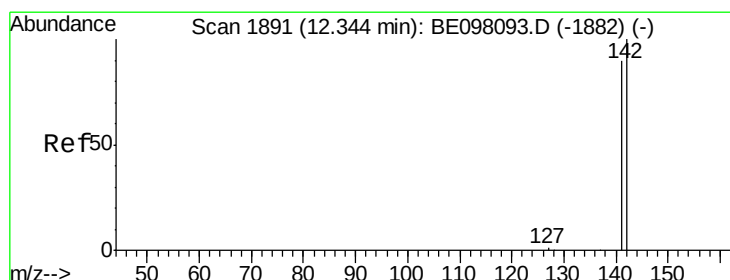
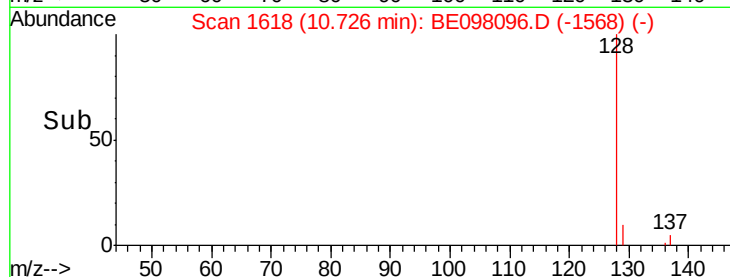
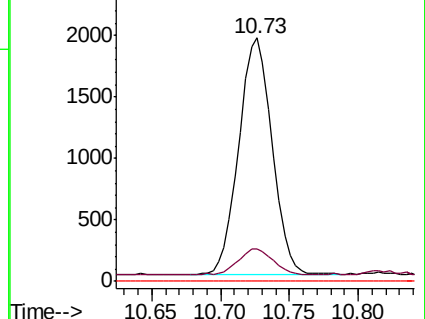
127 0.0 0.0 0.0



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: 0.114 ng/ul

RT: 12.34 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BE098096.D

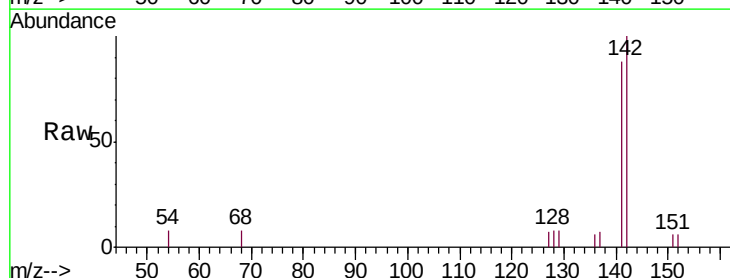
Acq: 26 Oct 2018 19:45

Tgt Ion:142 Resp: 1128

Ion Ratio Lower Upper

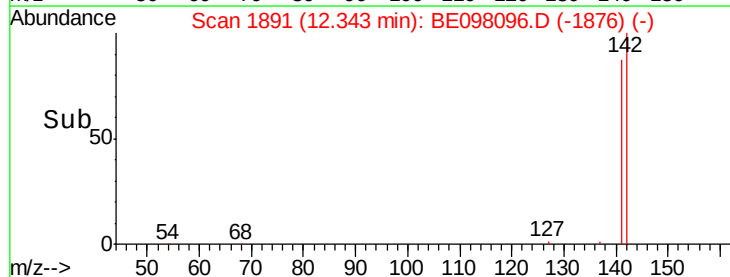
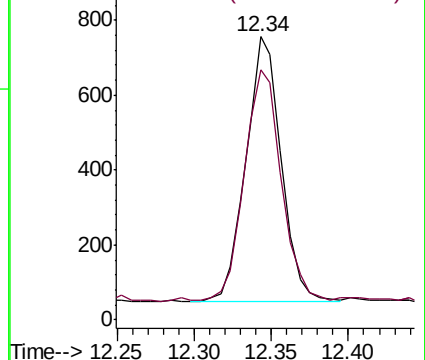
142 100

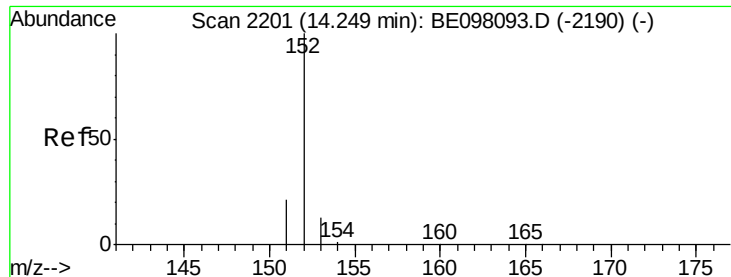
141 90.7 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.391 ng/ul

RT: 14.26 min Scan# 2203

Delta R.T. 0.01 min

Lab File: BE098096.D

Acq: 26 Oct 2018 19:45

Instrument :

BNA_E

ClientSampleId :

C0AE1DL

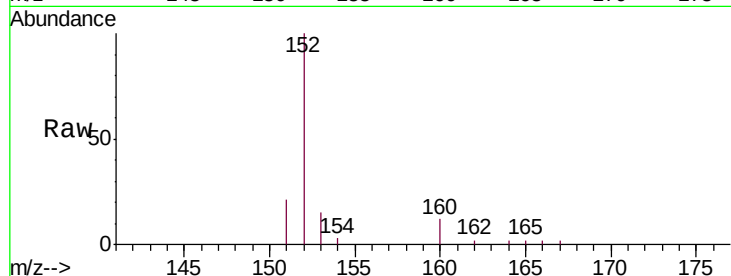
Tgt Ion:152 Resp: 5879

Ion Ratio Lower Upper

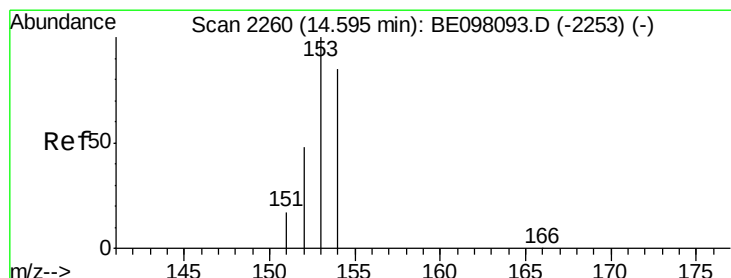
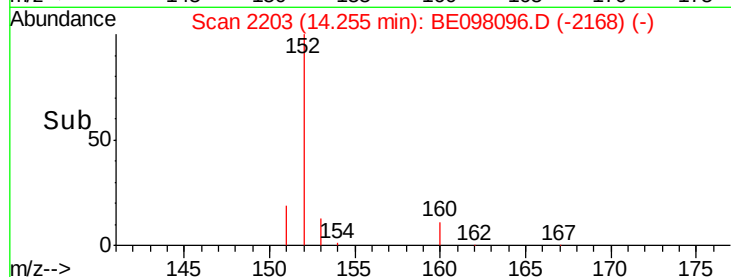
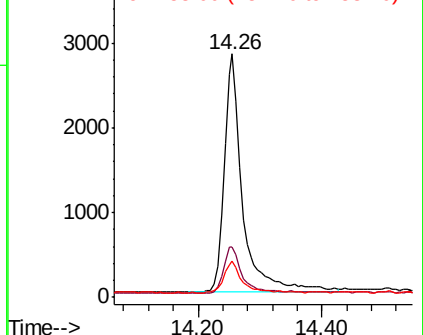
152 100

151 20.6 17.3 25.9

153 15.1 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: 0.045 ng/ul

RT: 14.60 min Scan# 2261

Delta R.T. 0.00 min

Lab File: BE098096.D

Acq: 26 Oct 2018 19:45

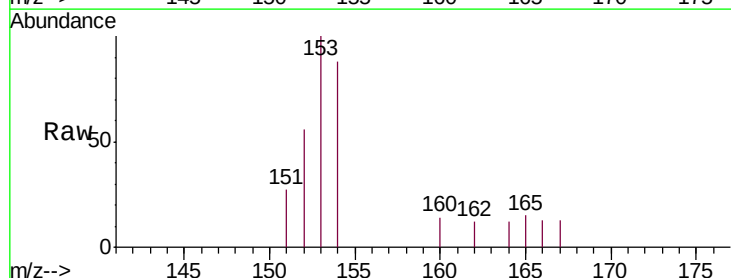
Tgt Ion:153 Resp: 505

Ion Ratio Lower Upper

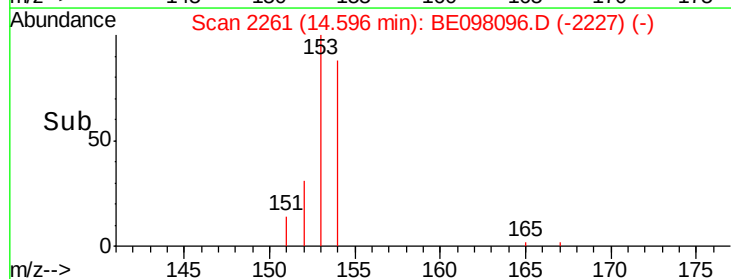
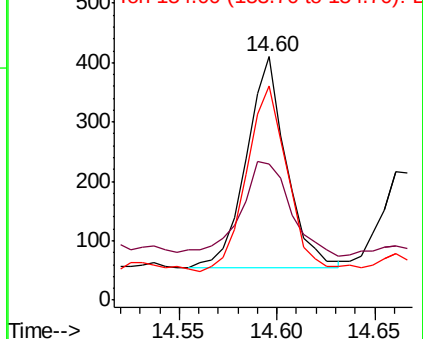
153 100

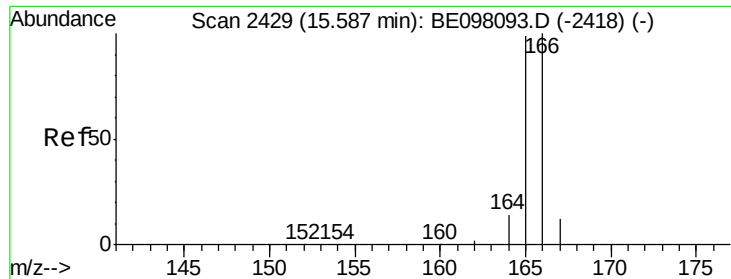
152 55.9 39.4 59.0

154 87.8 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

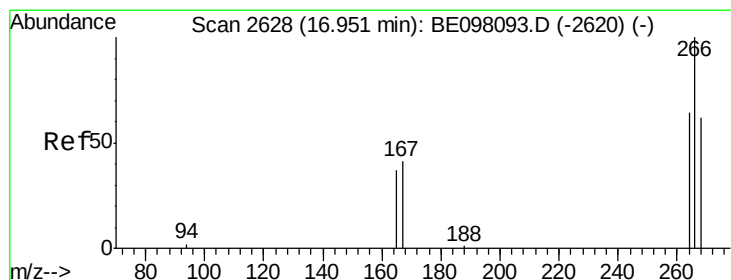
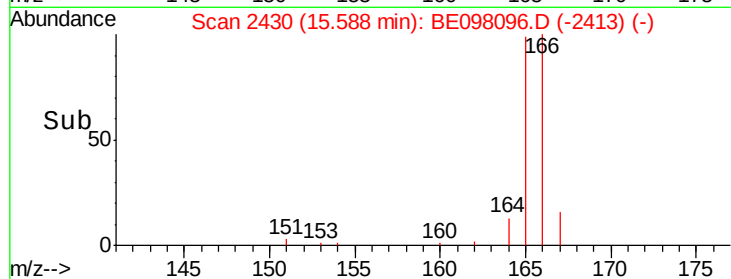
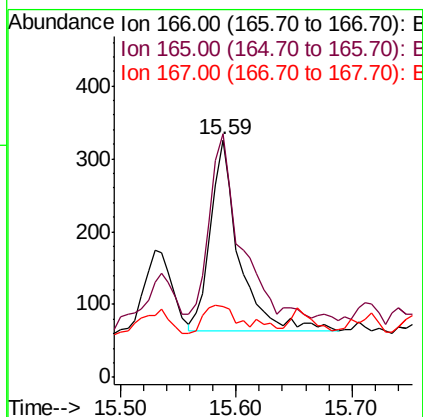
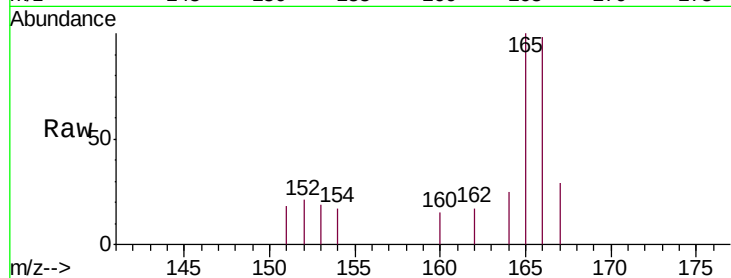




#9
Fluorene
 Concen: 0.033 ng/ul
 RT: 15.59 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: BE098096.D
 Acq: 26 Oct 2018 19:45

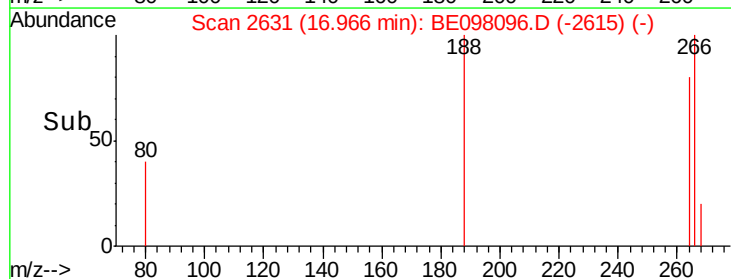
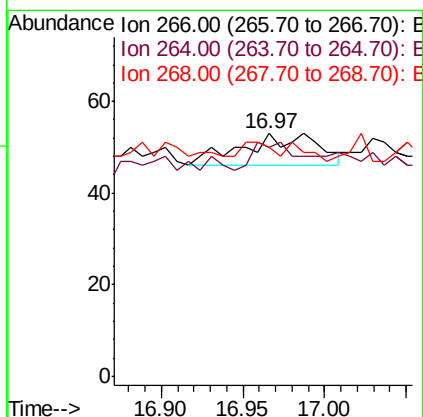
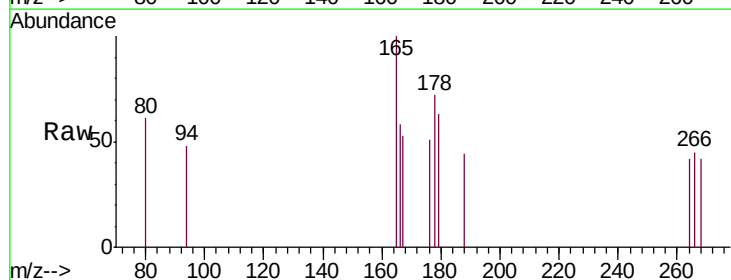
Instrument :
 BNA_E
 ClientSampleId :
 C0AE1DL

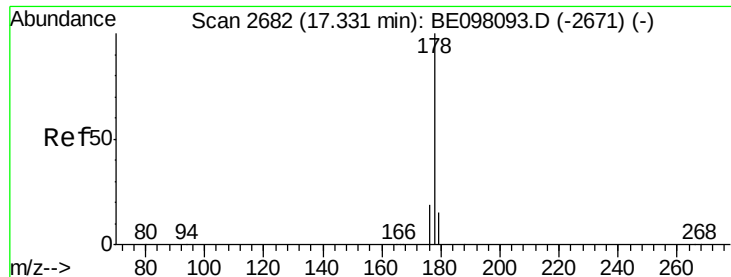
Tgt Ion:166 Resp: 445
 Ion Ratio Lower Upper
 166 100
 165 102.5 80.2 120.4
 167 30.1 12.0 18.0#



#11
Pentachlorophenol
 Concen: 0.046 ng/ul
 RT: 16.97 min Scan# 2631
 Delta R.T. 0.02 min
 Lab File: BE098096.D
 Acq: 26 Oct 2018 19:45

Tgt Ion:266 Resp: 22
 Ion Ratio Lower Upper
 266 100
 264 72.7 48.5 72.7#
 268 13.6 53.7 80.5#





#12

Phenanthrene

Concen: 0.595 ng/ul

RT: 17.33 min Scan# 2683

Delta R.T. 0.00 min

Lab File: BE098096.D

Acq: 26 Oct 2018 19:45

Instrument :

BNA_E

ClientSampleId :

C0AE1DL

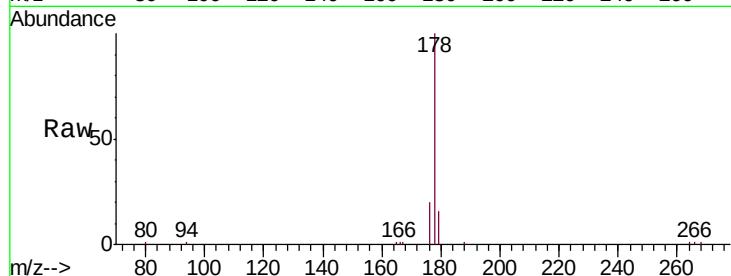
Tgt Ion:178 Resp: 12553

Ion Ratio Lower Upper

178 100

179 16.3 13.0 19.4

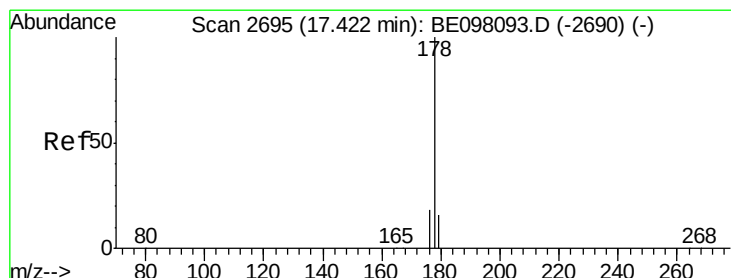
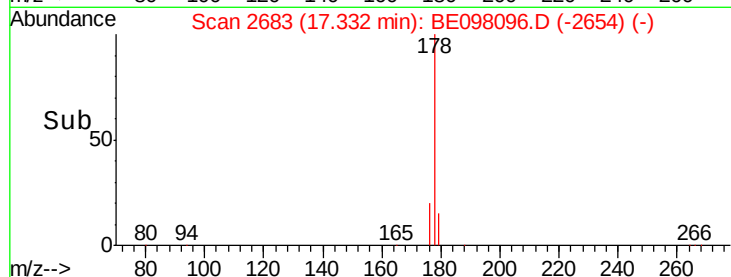
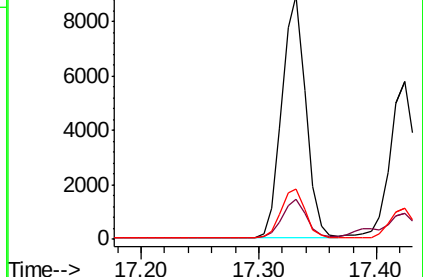
176 20.4 15.7 23.5



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: 0.430 ng/ul

RT: 17.42 min Scan# 2696

Delta R.T. 0.00 min

Lab File: BE098096.D

Acq: 26 Oct 2018 19:45

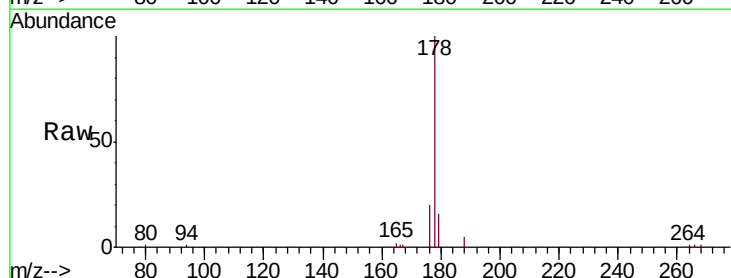
Tgt Ion:178 Resp: 8960

Ion Ratio Lower Upper

178 100

179 16.2 12.6 19.0

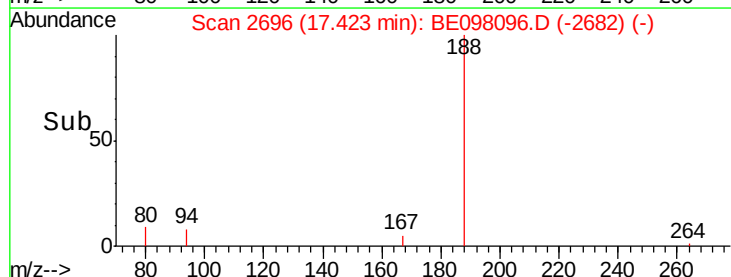
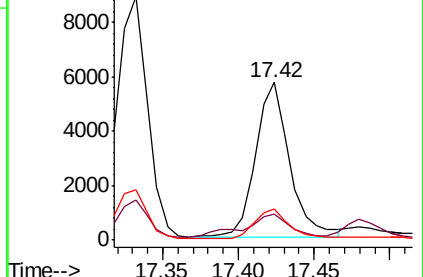
176 19.8 15.6 23.4

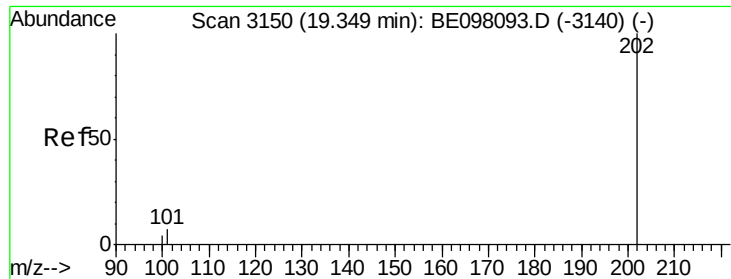


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

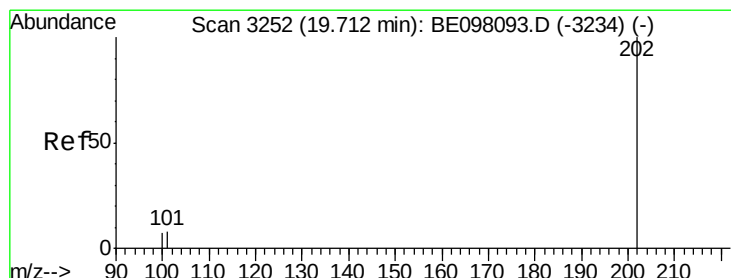
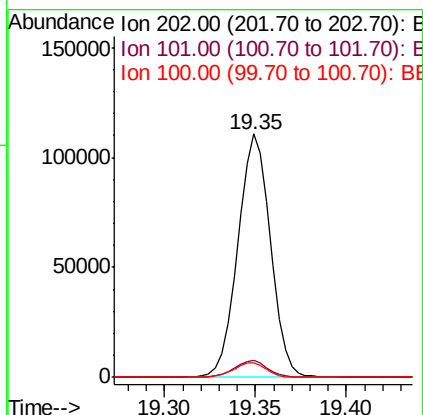
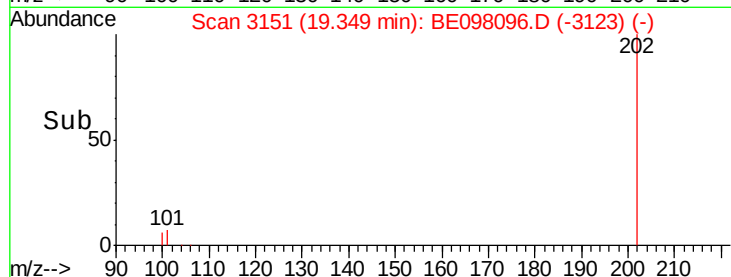
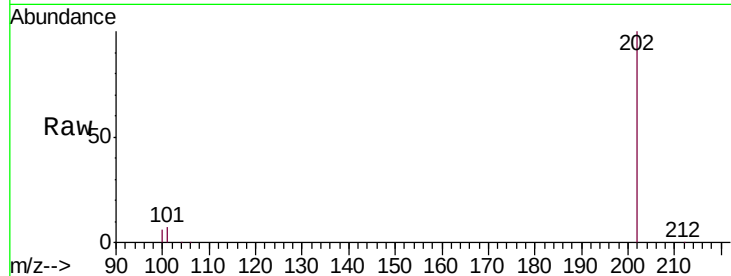




#15
Fluoranthene
 Concen: 5.168 ng/ul
 RT: 19.35 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: BE098096.D
 Acq: 26 Oct 2018 19:45

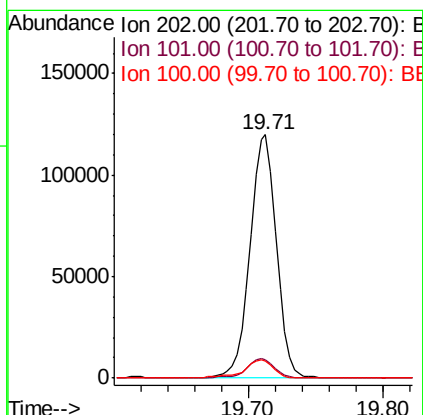
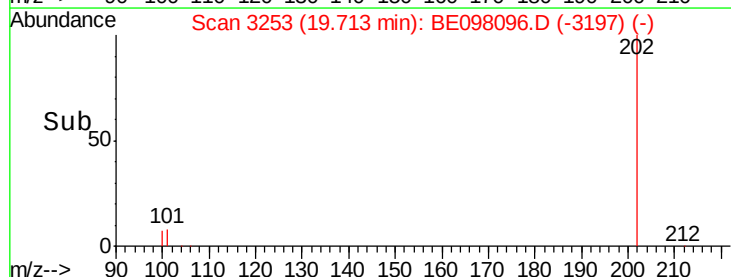
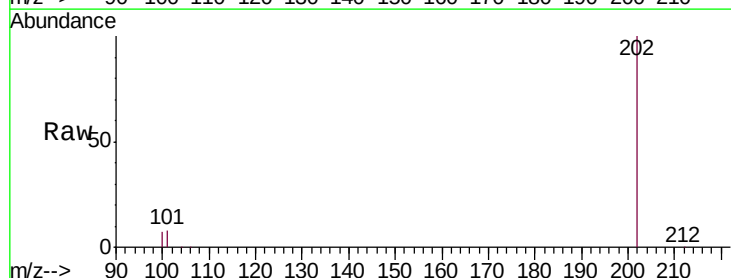
Instrument :
 BNA_E
 ClientSampleId :
 C0AE1DL

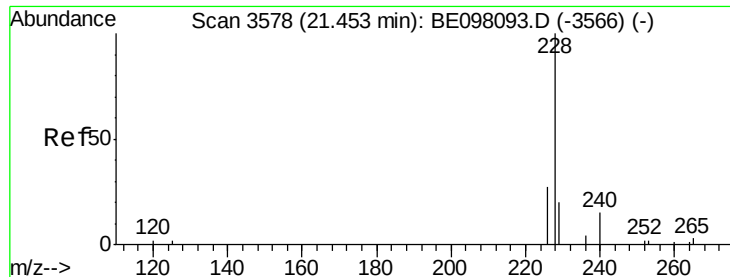
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	27.5
100	5.8	0.0	26.0



#17
Pyrene
 Concen: 5.556 ng/ul
 RT: 19.71 min Scan# 3253
 Delta R.T. 0.00 min
 Lab File: BE098096.D
 Acq: 26 Oct 2018 19:45

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





#18

Benzo(a)anthracene

Concen: 3.051 ng/ul

RT: 21.45 min Scan# 3580

Delta R.T. -0.00 min

Lab File: BE098096.D

Acq: 26 Oct 2018 19:45

Instrument :

BNA_E

ClientSampleId :

C0AE1DL

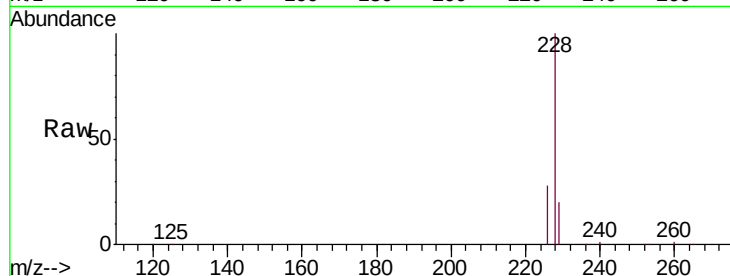
Tgt Ion:228 Resp: 112176

Ion Ratio Lower Upper

228 100

229 20.1 16.1 24.1

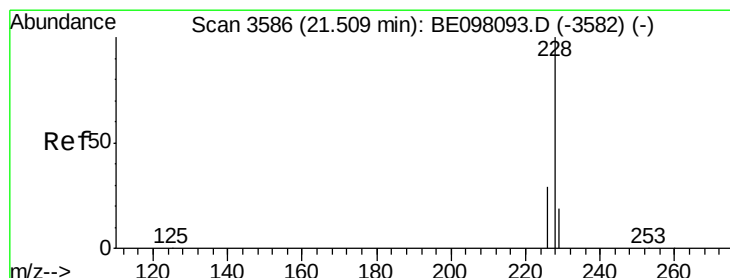
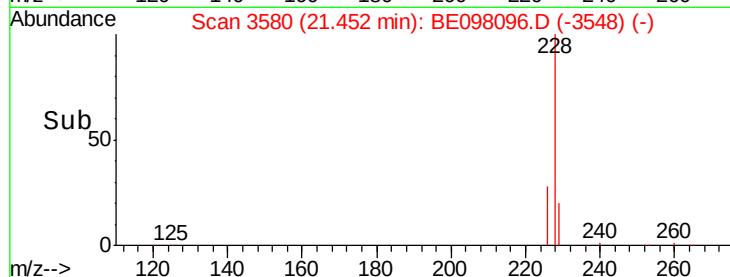
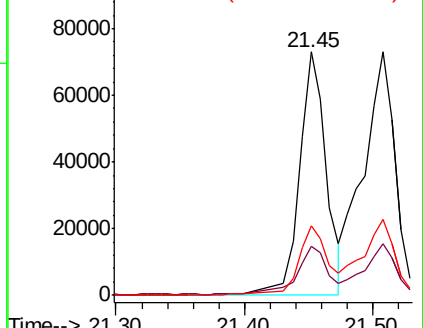
226 28.3 22.2 33.4



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: 4.447 ng/ul

RT: 21.51 min Scan# 3588

Delta R.T. -0.00 min

Lab File: BE098096.D

Acq: 26 Oct 2018 19:45

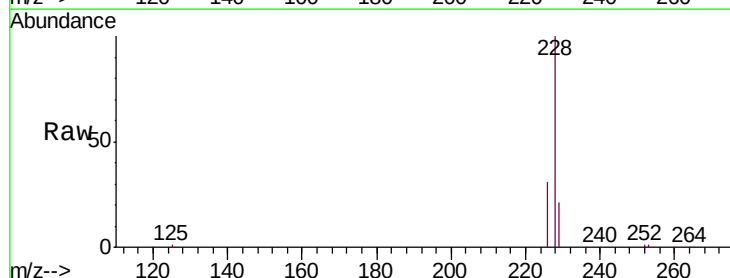
Tgt Ion:228 Resp: 126468

Ion Ratio Lower Upper

228 100

226 31.0 24.6 37.0

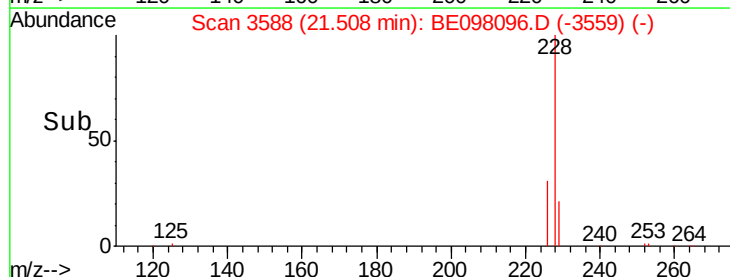
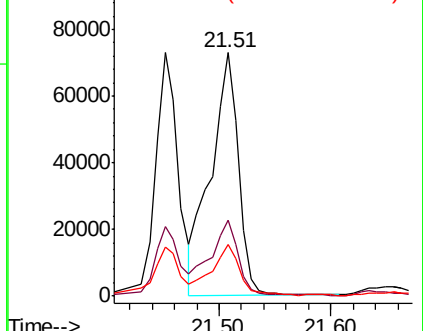
229 21.2 16.4 24.6

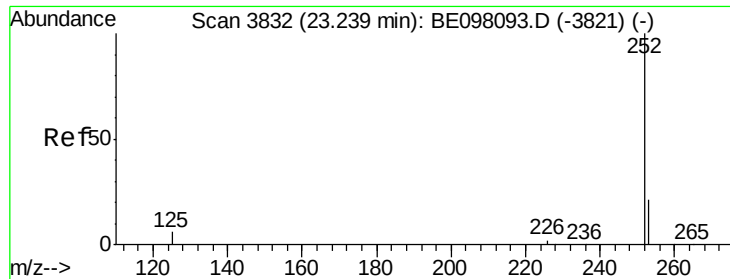


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 9.431 ng/ul

RT: 23.24 min Scan# 3834

Delta R.T. -0.00 min

Lab File: BE098096.D

Acq: 26 Oct 2018 19:45

Instrument :

BNA_E

ClientSampleId :

C0AE1DL

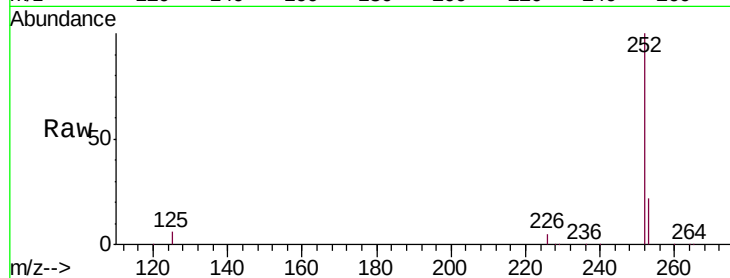
Tgt Ion:252 Resp: 272814

Ion Ratio Lower Upper

252 100

253 22.4 0.0 47.8

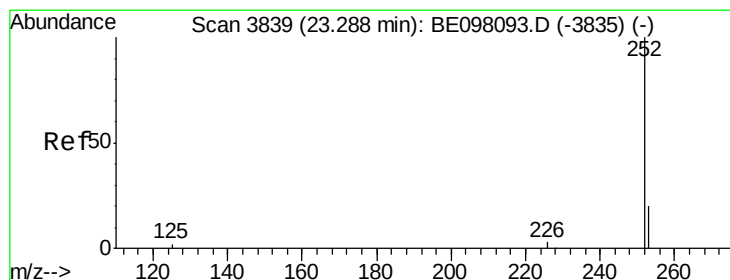
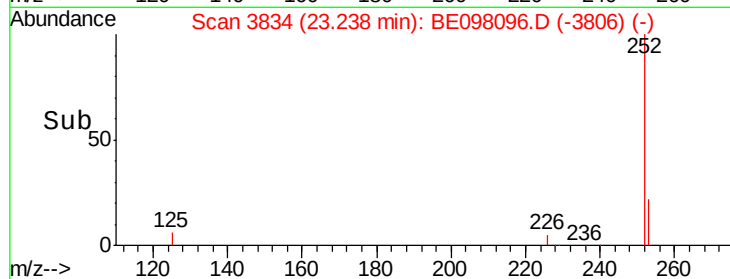
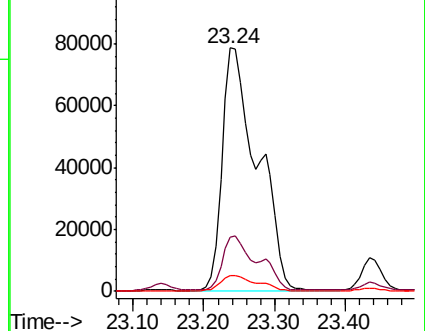
125 6.4 0.0 16.8



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: 9.635 ng/ul

RT: 23.24 min Scan# 3834

Delta R.T. -0.05 min

Lab File: BE098096.D

Acq: 26 Oct 2018 19:45

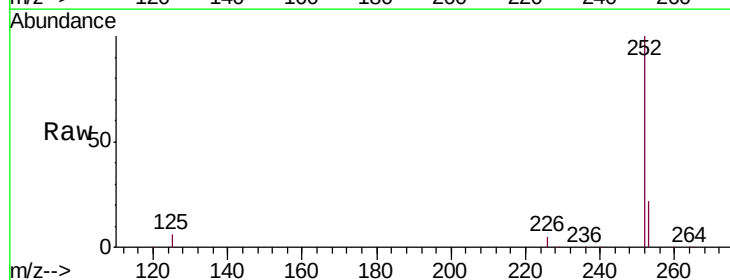
Tgt Ion:252 Resp: 272814

Ion Ratio Lower Upper

252 100

253 22.4 19.3 28.9

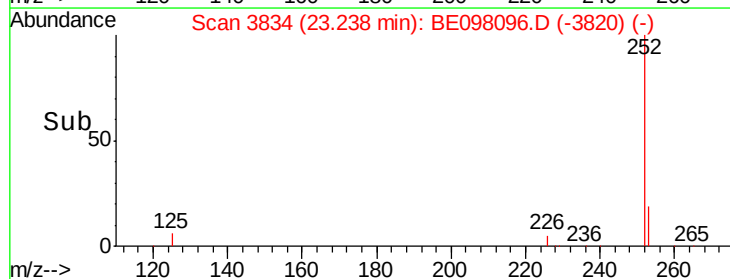
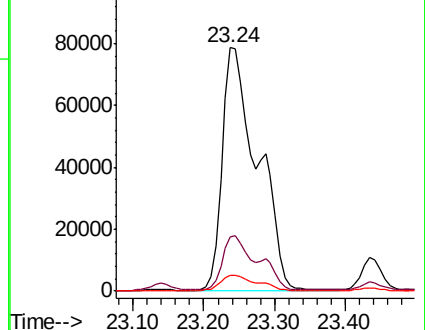
125 6.4 6.2 9.2

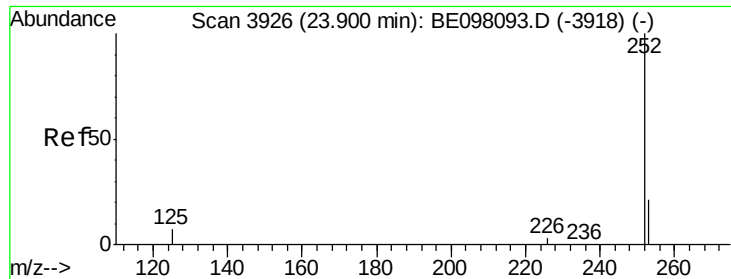


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.823 ng/ul

RT: 23.91 min Scan# 3929

Delta R.T. 0.01 min

Lab File: BE098096.D

Acq: 26 Oct 2018 19:45

Instrument :

BNA_E

ClientSampleId :

C0AE1DL

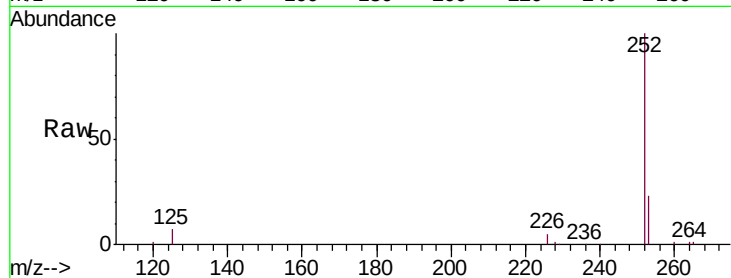
Tgt Ion:252 Resp: 78531

Ion Ratio Lower Upper

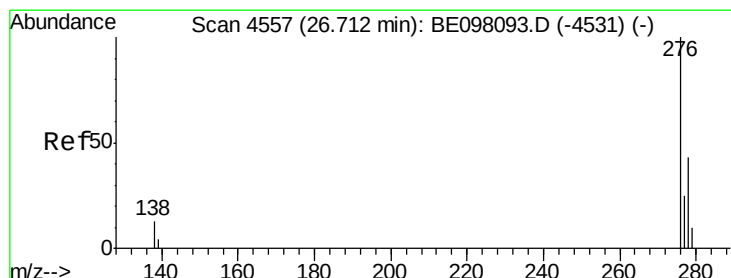
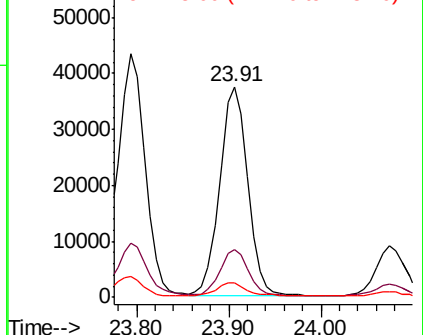
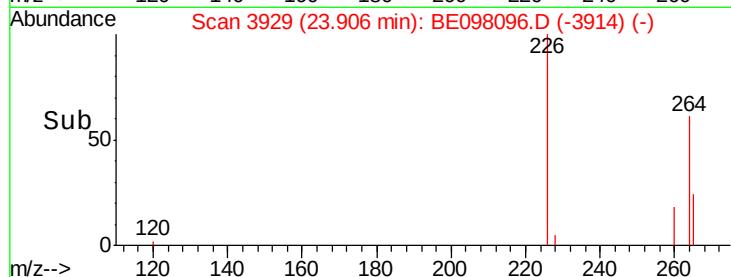
252 100

253 22.6 19.4 29.2

125 6.8 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: 2.116 ng/ul

RT: 26.71 min Scan# 4559

Delta R.T. 0.00 min

Lab File: BE098096.D

Acq: 26 Oct 2018 19:45

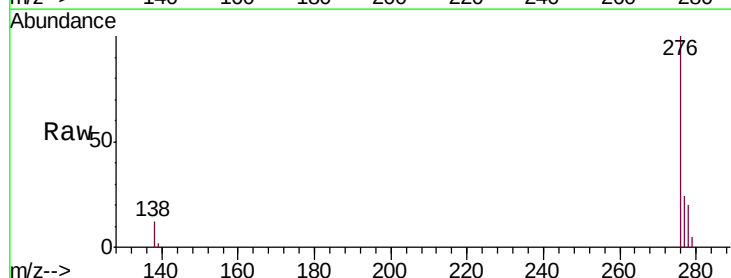
Tgt Ion:276 Resp: 67466

Ion Ratio Lower Upper

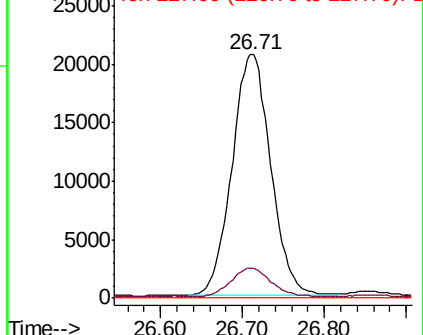
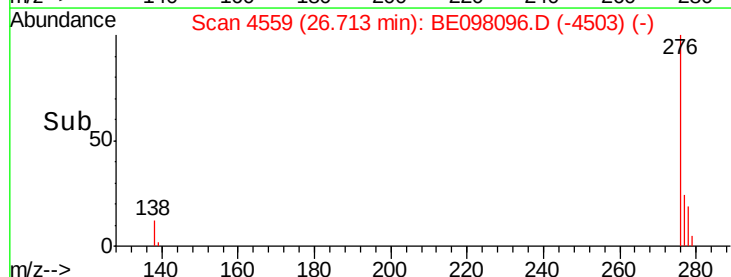
276 100

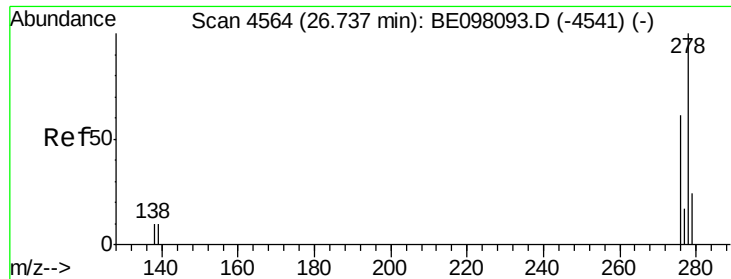
138 12.0 11.8 17.8

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



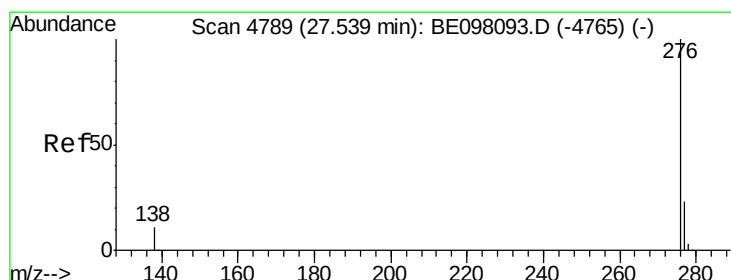
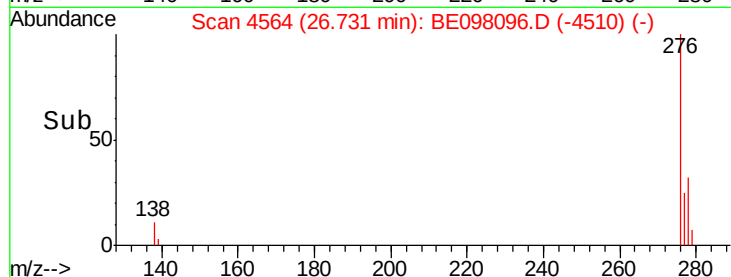
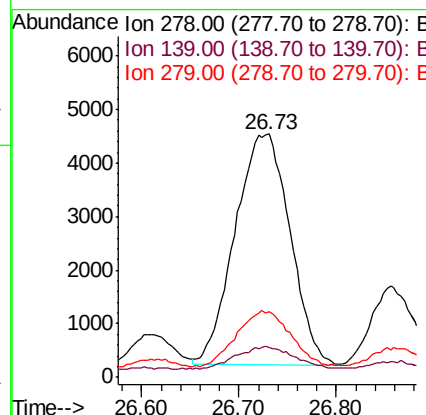
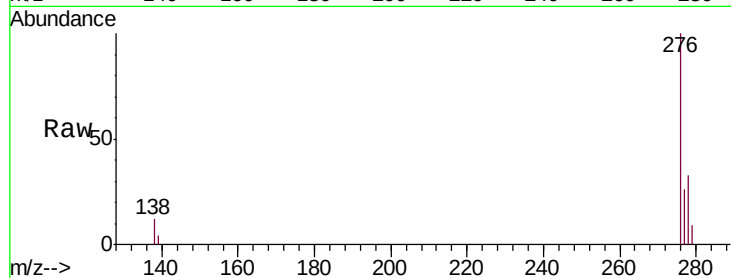


#25
Dibenzo(a,h)anthracene
Concen: 0.640 ng/ul
RT: 26.73 min Scan# 4564
Delta R.T. -0.01 min
Lab File: BE098096.D
Acq: 26 Oct 2018 19:45

Instrument :
BNA_E
ClientSampleId :
C0AE1DL

Tgt Ion: 278 Resp: 17008

Ion	Ratio	Lower	Upper
278	100		
139	12.1	10.0	15.0
279	26.7	20.3	30.5



#26
Benzo(g,h,i)perylene
Concen: 1.925 ng/ul
RT: 27.54 min Scan# 4791
Delta R.T. 0.00 min
Lab File: BE098096.D
Acq: 26 Oct 2018 19:45

Tgt Ion: 276 Resp: 51662

Ion	Ratio	Lower	Upper
276	100		
138	13.0	11.6	17.4
277	24.3	20.8	31.2

