

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
 Data File : BE097465.D
 Acq On : 12 Sep 2018 23:59
 Operator : SJ/JU
 Sample : J4792-03DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 13 01:53:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 13 01:51:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	879	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	4972	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	3546	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	8833	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	10240	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	11481	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	386	0.05	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	1270	0.04	ng/ul	0.00

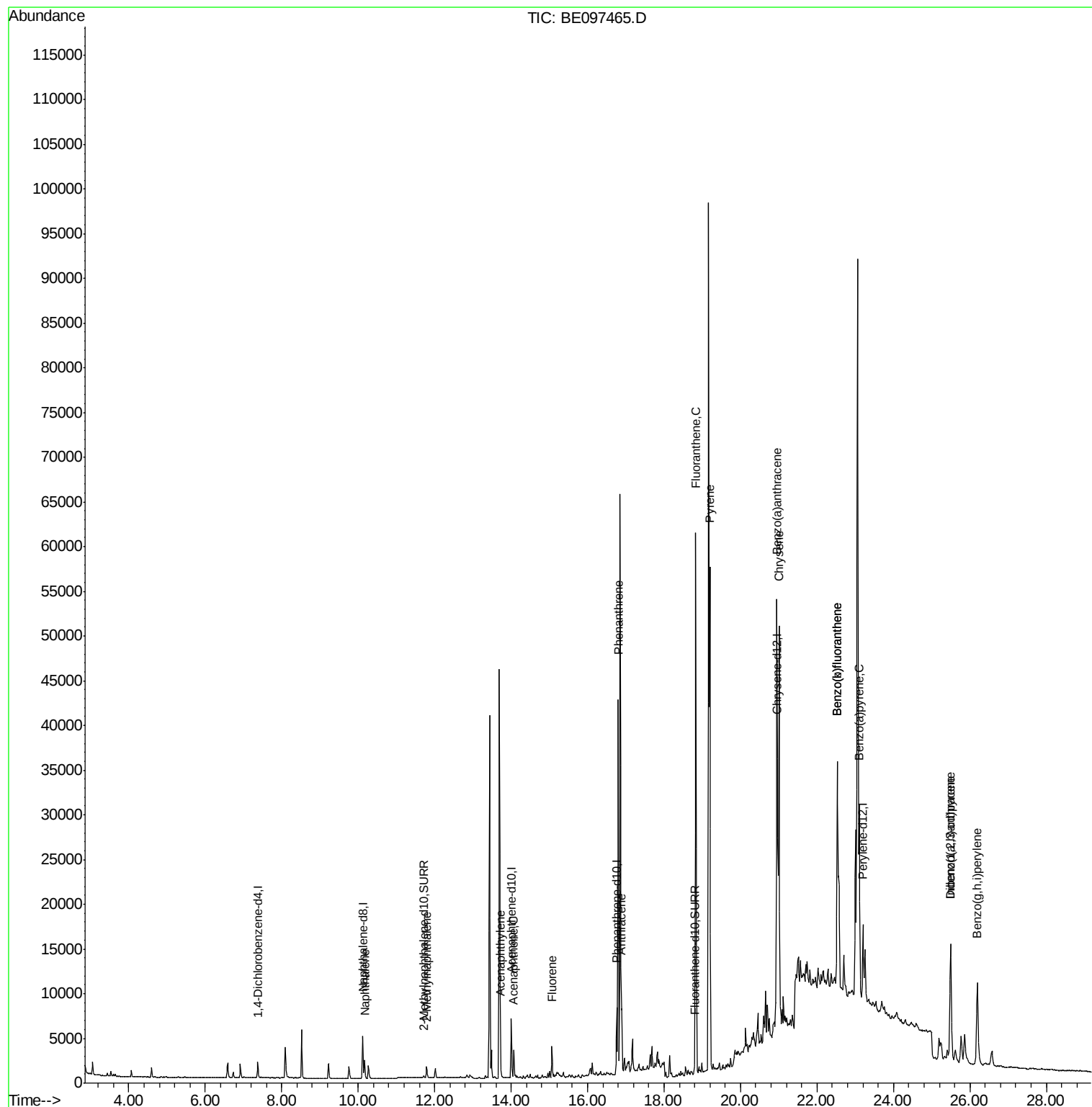
Target Compounds				Ovalue		
3) Naphthalene	10.16	128	3162	0.261	ng/ul#	94
5) 2-Methylnaphthalene	11.79	142	1208	0.158	ng/ul	96
7) Acenaphthylene	13.72	152	1130	0.087	ng/ul#	85
8) Acenaphthene	14.07	153	1902	0.171	ng/ul	97
9) Fluorene	15.07	166	2003	0.157	ng/ul#	90
12) Phenanthrene	16.80	178	44137	1.941	ng/ul#	89
13) Anthracene	16.89	178	8135	0.426	ng/ul#	93
15) Fluoranthene	18.83	202	63821	2.185	ng/ul	84
17) Pyrene	19.19	202	61664	2.238	ng/ul#	80
18) Benzo(a)anthracene	20.95	228	37489	1.425	ng/ul#	89
19) Chrysene	21.01	228	41925	1.383	ng/ul	95
21) Benzo(b)fluoranthene	22.53	252	55116	1.793	ng/ul	88
22) Benzo(k)fluoranthene	22.53	252	55116	1.608	ng/ul#	89
23) Benzo(a)pyrene	23.10	252	29143	1.025	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.49	276	20462	0.555	ng/ul#	73
25) Dibenzo(a,h)anthracene	25.50	278	6798	0.218	ng/ul#	74
26) Benzo(a,h,i)perylene	26.19	276	19591	0.623	ng/ul	94

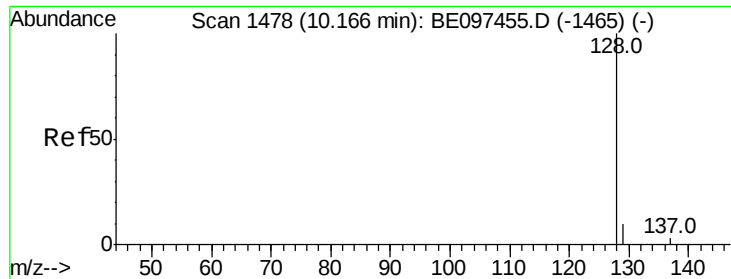
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.261 ng/ul

RT: 10.16 min Scan# 1477

Delta R.T. -0.00 min

Lab File: BE097465.D

Acq: 12 Sep 2018 23:59

Instrument :

BNA_E

ClientSampleId :

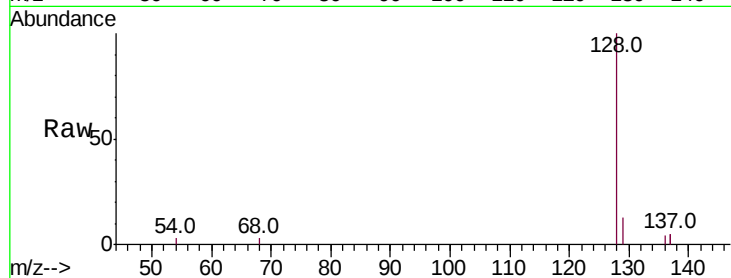
Tot Ion:128 Resp: 3162

Ion Ratio Lower Upper

128 100

129 13.2 11.3 16.9

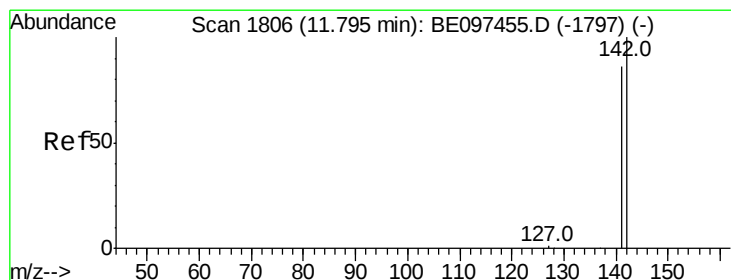
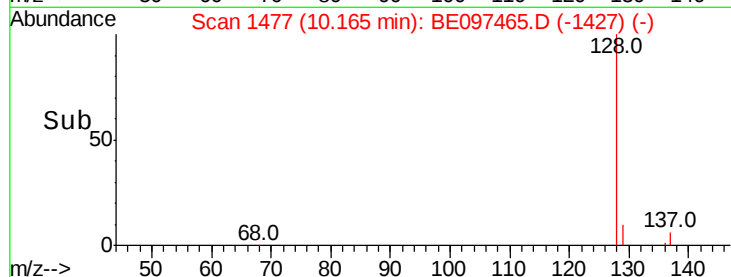
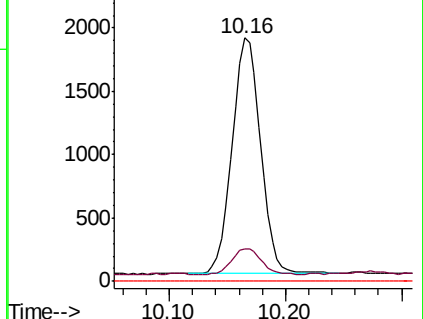
127 0.0 4.0 6.0#



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: 0.158 ng/ul

RT: 11.79 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BE097465.D

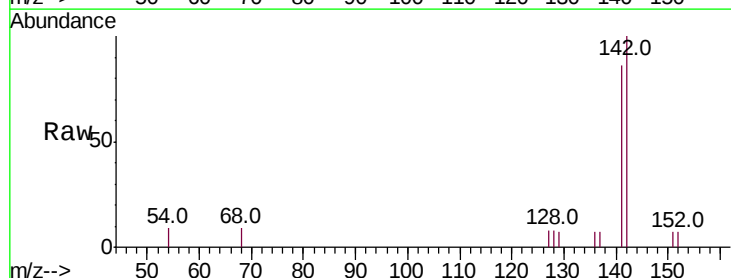
Acq: 12 Sep 2018 23:59

Tgt Ion:142 Resp: 1208

Ion Ratio Lower Upper

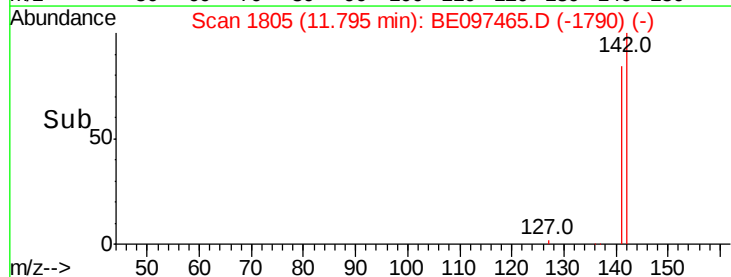
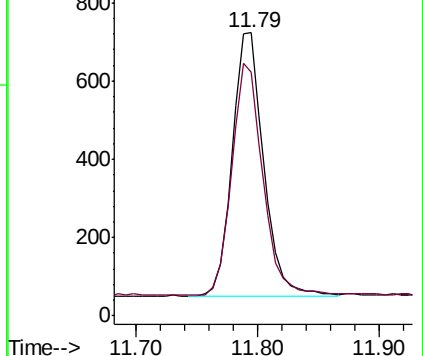
142 100

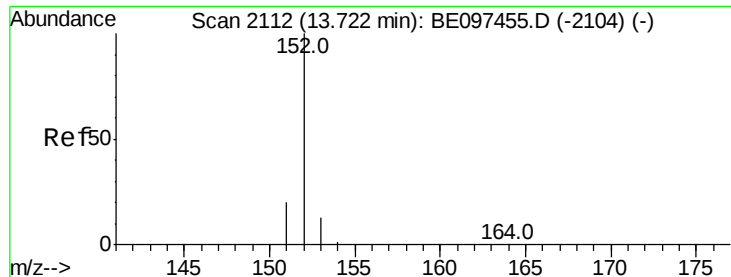
141 86.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.087 ng/ul

RT: 13.72 min Scan# 2110

Delta R.T. -0.00 min

Lab File: BE097465.D

Acq: 12 Sep 2018 23:59

Instrument :

BNA_E

ClientSampleId :

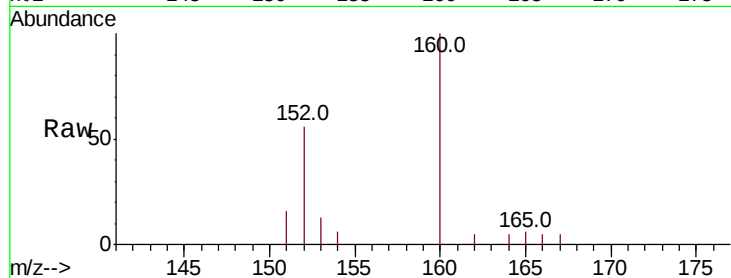
Tot Ion:152 Resp: 1130

Ion Ratio Lower Upper

152 100

151 27.5 17.1 25.7#

153 23.4 12.8 19.2#



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

13.72

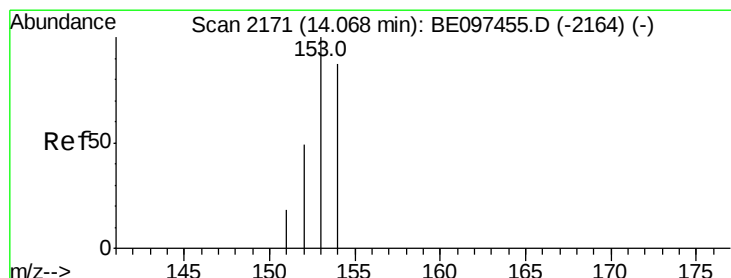
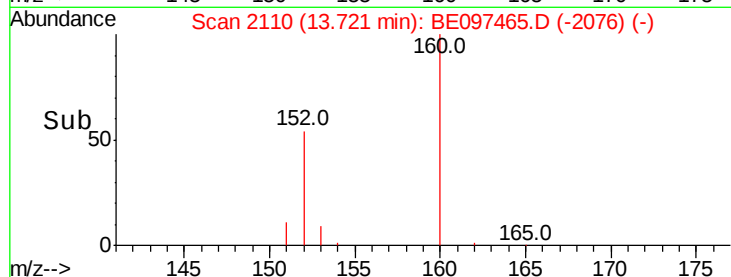
600

400

200

0

Time--> 13.60 13.70 13.80



#8

Acenaphthene

Concen: 0.171 ng/ul

RT: 14.07 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BE097465.D

Acq: 12 Sep 2018 23:59

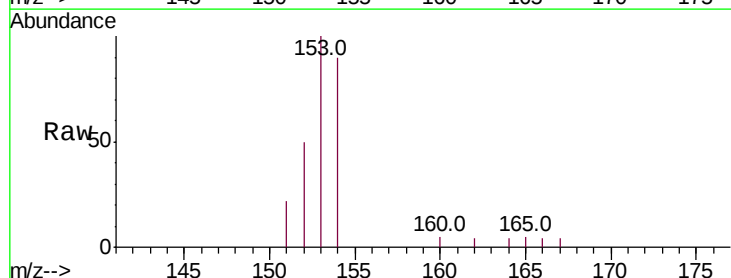
Tgt Ion:153 Resp: 1902

Ion Ratio Lower Upper

153 100

152 50.3 36.0 54.0

154 90.1 72.0 108.0



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

14.07

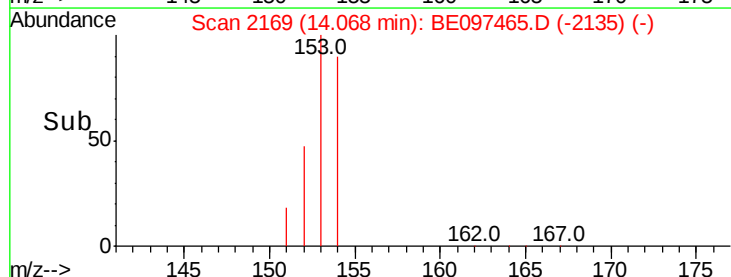
1500

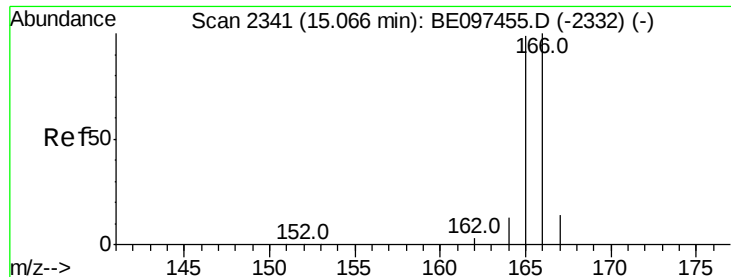
1000

500

0

Time--> 14.00 14.05 14.10 14.15





#9

Fluorene

Concen: 0.157 ng/ul

RT: 15.07 min Scan# 2339

Delta R.T. -0.00 min

Lab File: BE097465.D

Acq: 12 Sep 2018 23:59

Instrument :

BNA_E

ClientSampleId :

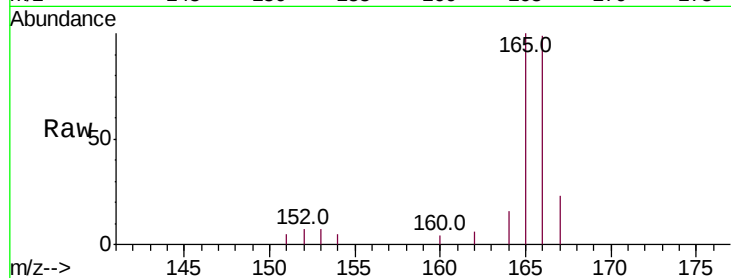
Tot Ion:166 Resp: 2003

Ion Ratio Lower Upper

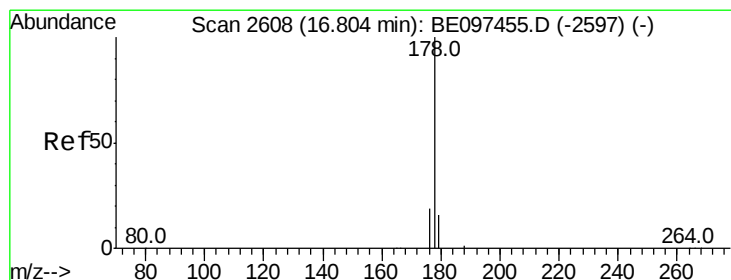
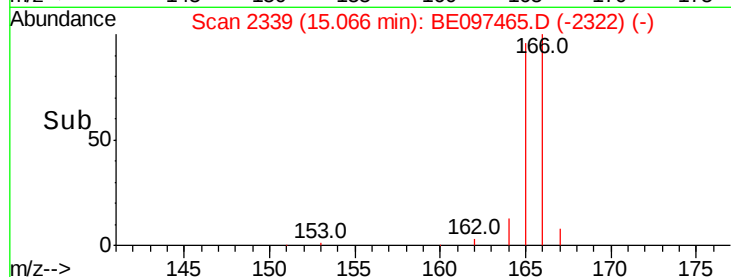
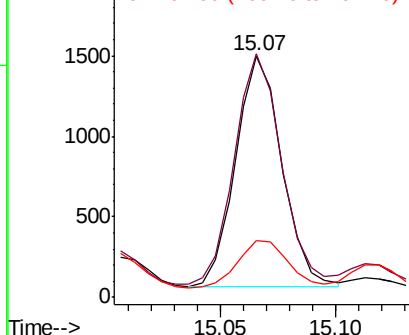
166 100

165 100.7 73.4 110.2

167 23.3 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 1.941 ng/ul

RT: 16.80 min Scan# 2605

Delta R.T. -0.01 min

Lab File: BE097465.D

Acq: 12 Sep 2018 23:59

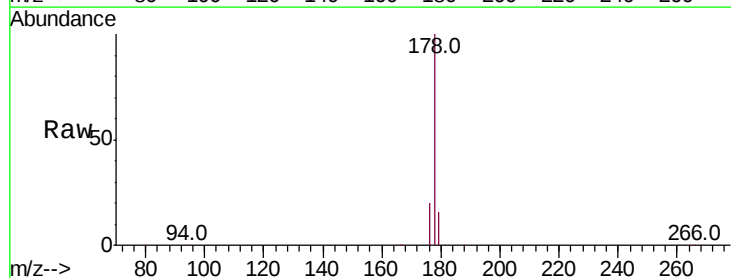
Tgt Ion:178 Resp: 44137

Ion Ratio Lower Upper

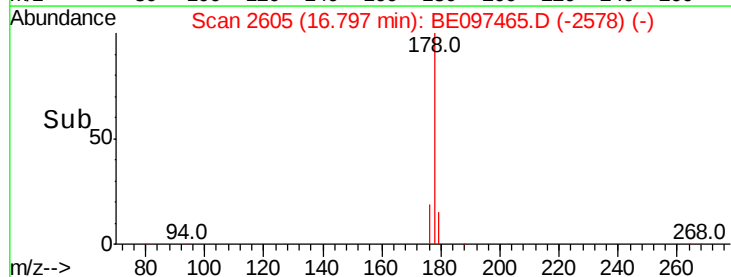
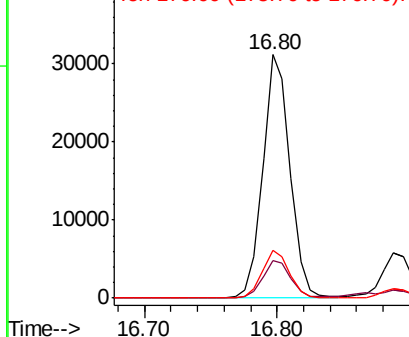
178 100

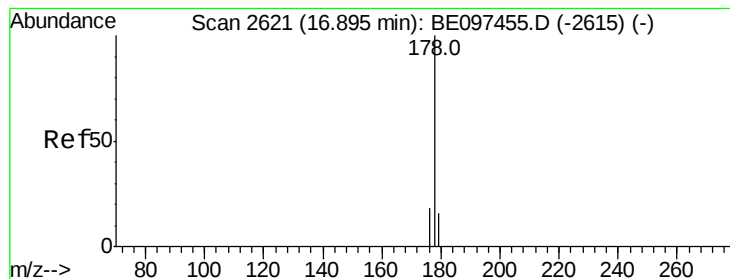
179 15.5 18.4 27.6#

176 19.5 13.6 20.4



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





#13

Anthracene

Concen: 0.426 ng/ul

RT: 16.89 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BE097465.D

Acq: 12 Sep 2018 23:59

Instrument :

BNA_E

ClientSampleId :

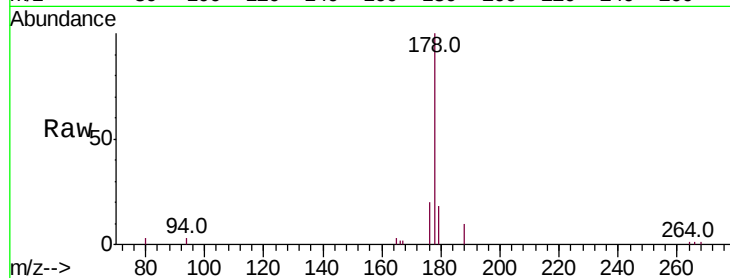
Tot Ion:178 Resp: 8135

Ion Ratio Lower Upper

178 100

179 17.5 18.1 27.1#

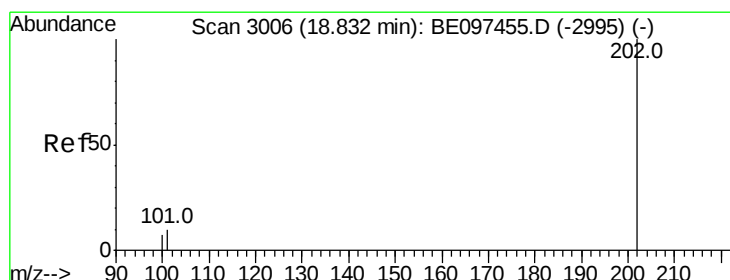
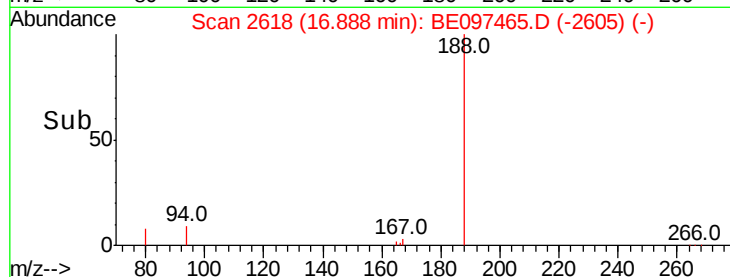
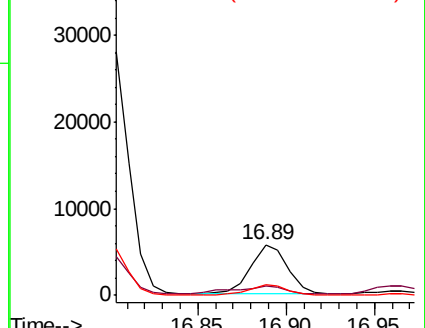
176 19.9 14.7 22.1



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: 2.185 ng/ul

RT: 18.83 min Scan# 3004

Delta R.T. -0.00 min

Lab File: BE097465.D

Acq: 12 Sep 2018 23:59

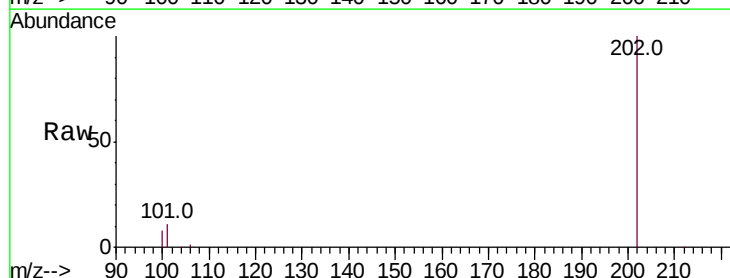
Tgt Ion:202 Resp: 63821

Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.3

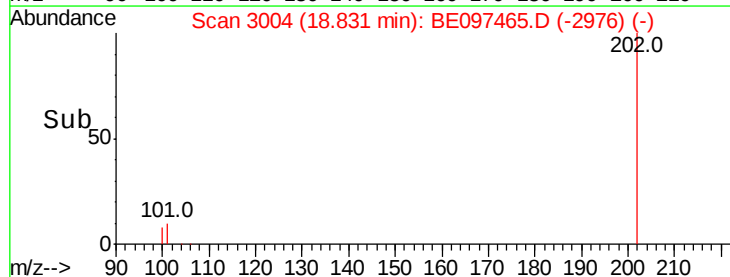
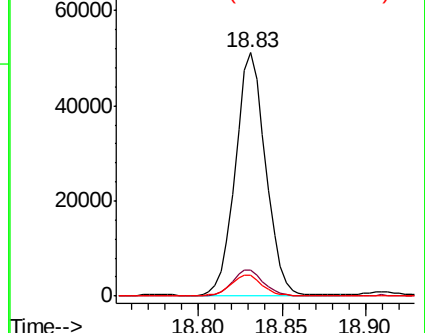
100 8.4 0.0 39.5

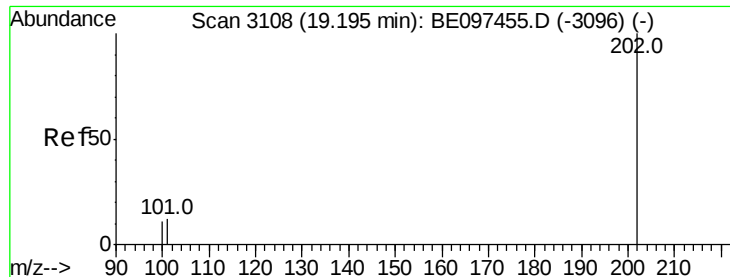


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

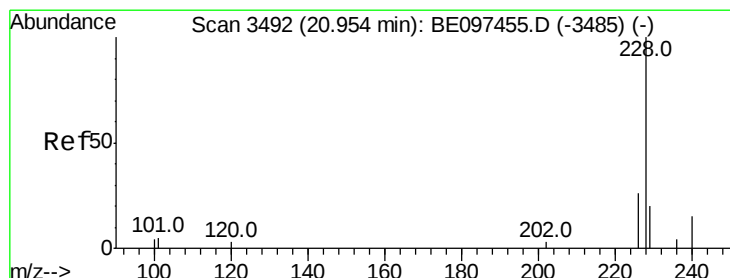
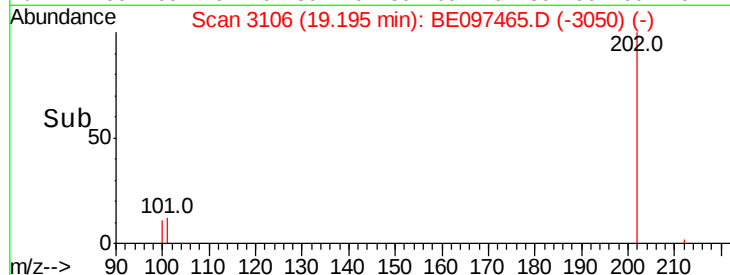
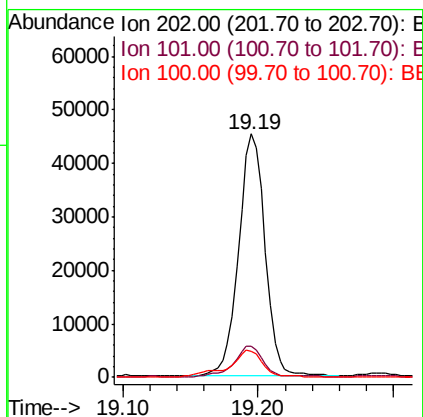
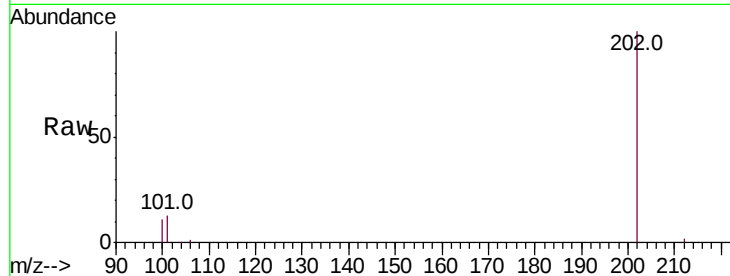




#17
Pvrene
Concen: 2.238 ng/ul
RT: 19.19 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BE097465.D
Acq: 12 Sep 2018 23:59

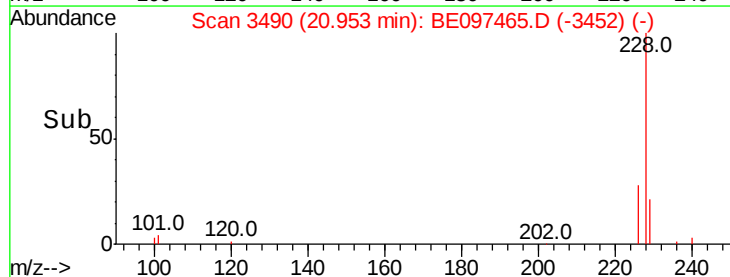
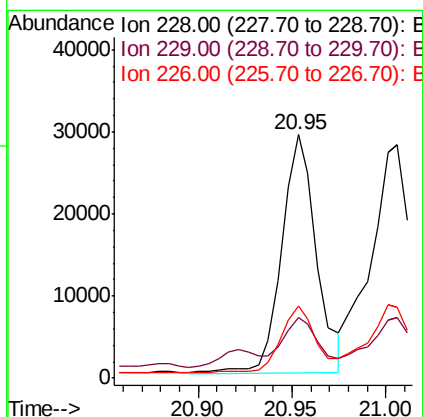
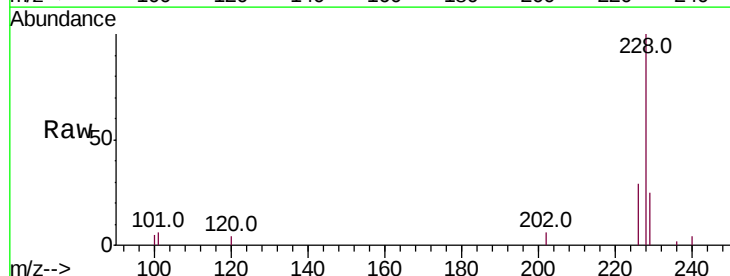
Instrument :
BNA_E
ClientSampleId :

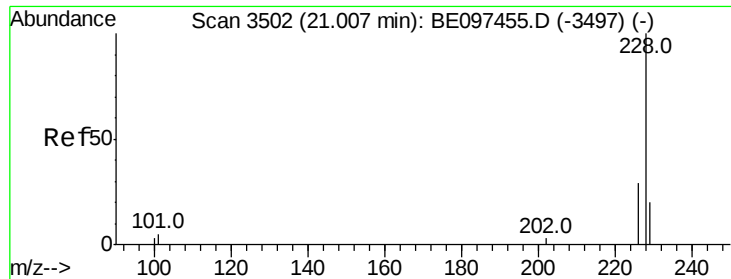
Tot Ion:202 Resp: 61664
Ion Ratio Lower Upper
202 100
101 12.7 18.2 27.4#
100 10.9 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 1.425 ng/ul
RT: 20.95 min Scan# 3490
Delta R.T. -0.00 min
Lab File: BE097465.D
Acq: 12 Sep 2018 23:59

Tgt Ion:228 Resp: 37489
Ion Ratio Lower Upper
228 100
229 25.0 22.8 34.2
226 29.4 17.0 25.6#





#19

Chrysene

Concen: 1.383 ng/ul

RT: 21.01 min Scan# 3500

Delta R.T. -0.00 min

Lab File: BE097465.D

Acq: 12 Sep 2018 23:59

Instrument :

BNA_E

ClientSampleId :

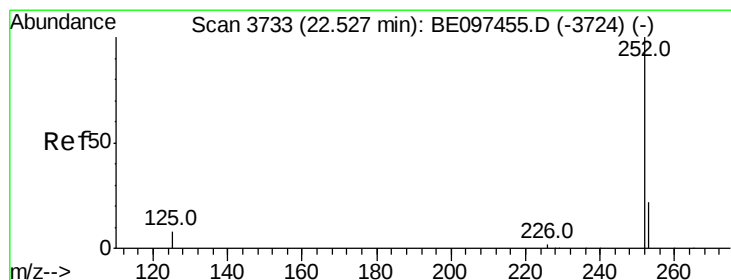
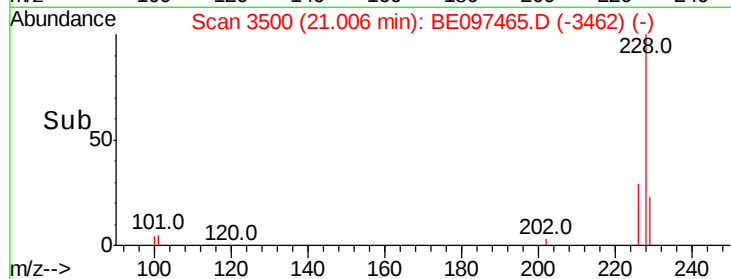
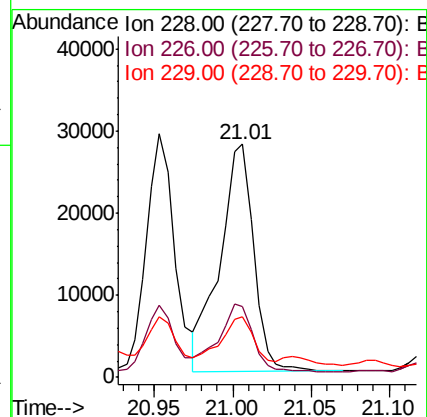
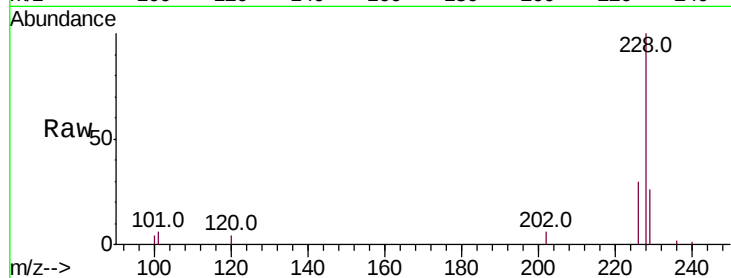
Tot Ion:228 Resp: 41925

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

229 25.9 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 1.793 ng/ul

RT: 22.53 min Scan# 3732

Delta R.T. 0.01 min

Lab File: BE097465.D

Acq: 12 Sep 2018 23:59

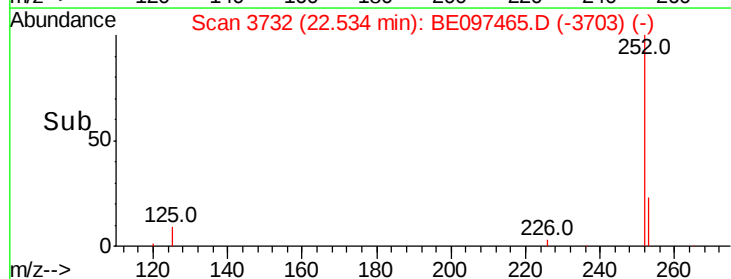
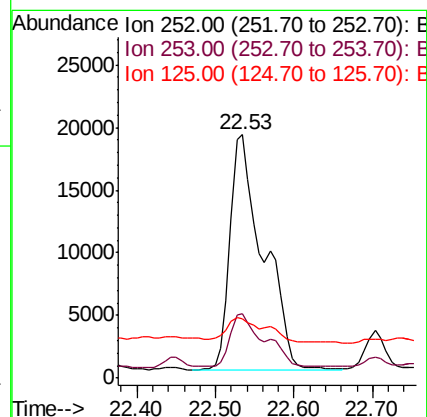
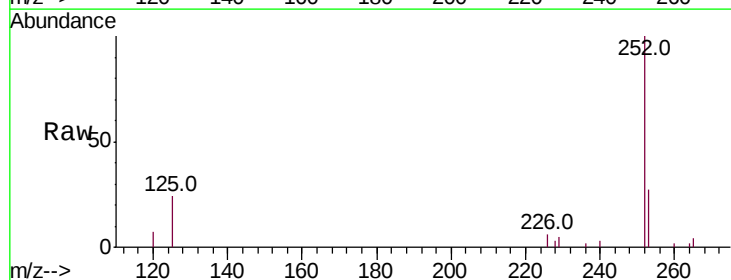
Tgt Ion:252 Resp: 55116

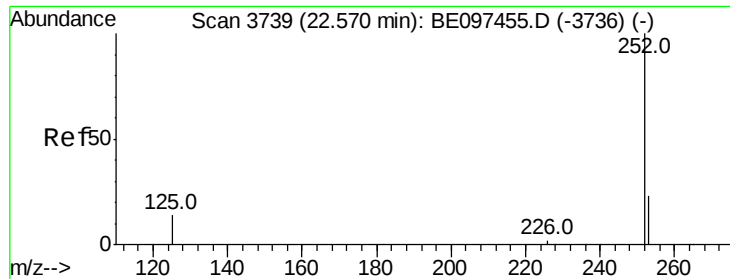
Ion Ratio Lower Upper

252 100

253 26.6 0.0 64.2

125 24.4 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 1.608 ng/ul

RT: 22.53 min Scan# 3732

Delta R.T. -0.04 min

Lab File: BE097465.D

Acq: 12 Sep 2018 23:59

Instrument :

BNA_E

ClientSampleId :

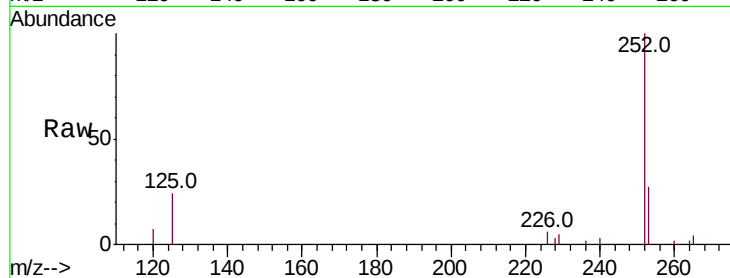
Tot Ion:252 Resp: 55116

Ion Ratio Lower Upper

252 100

253 26.6 24.5 36.7

125 24.4 13.7 20.5#



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

22.53

20000

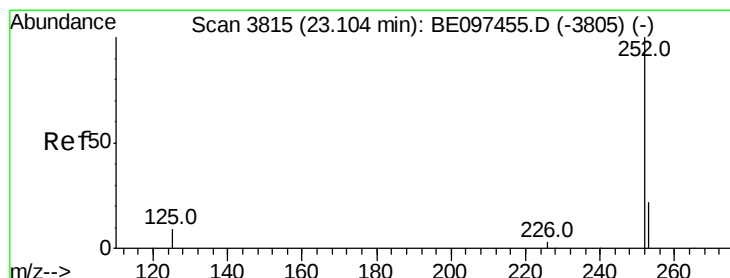
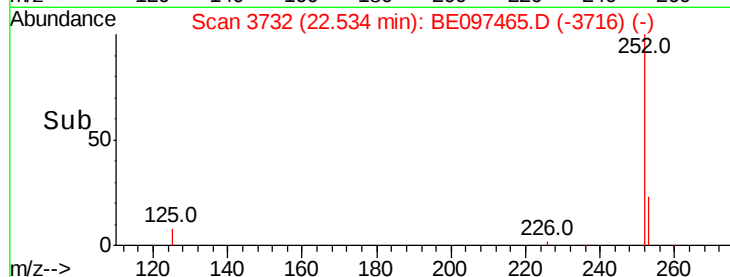
15000

10000

5000

0

Time--> 22.40 22.50 22.60 22.70



#23

Benzo(a)pyrene

Concen: 1.025 ng/ul

RT: 23.10 min Scan# 3813

Delta R.T. -0.00 min

Lab File: BE097465.D

Acq: 12 Sep 2018 23:59

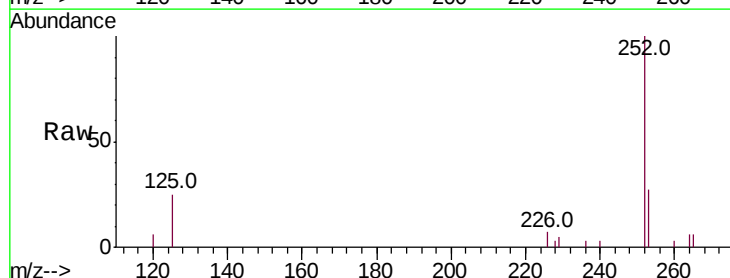
Tgt Ion:252 Resp: 29143

Ion Ratio Lower Upper

252 100

253 26.8 28.5 42.7#

125 25.5 18.1 27.1



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

23.10

20000

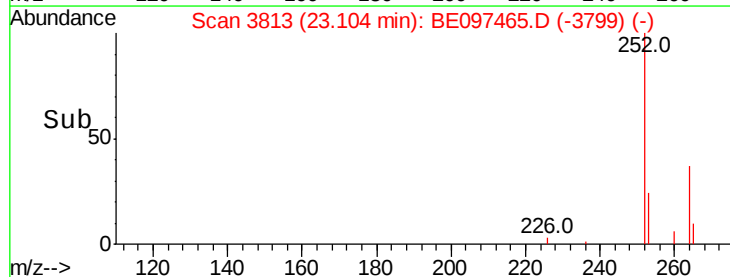
15000

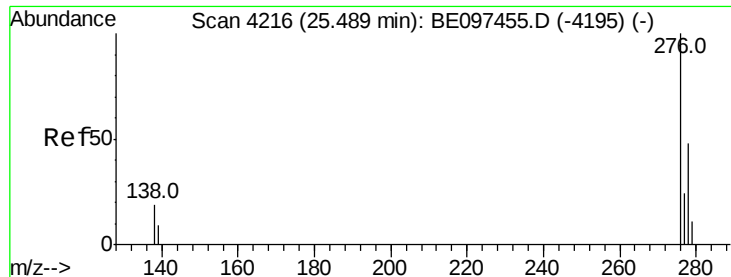
10000

5000

0

Time--> 23.00 23.10 23.20



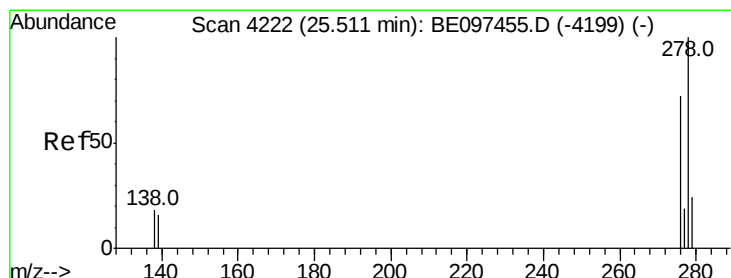
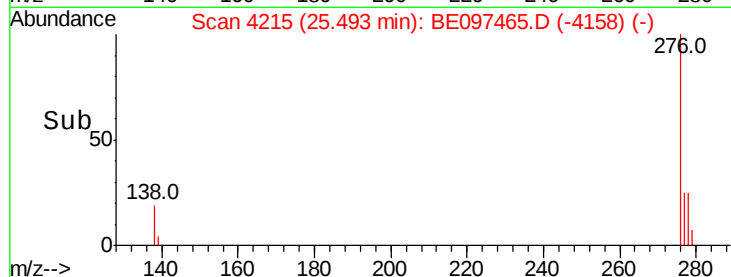
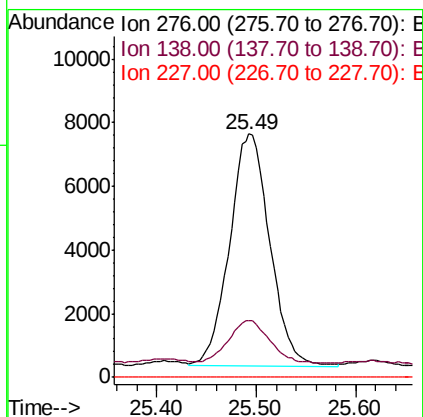
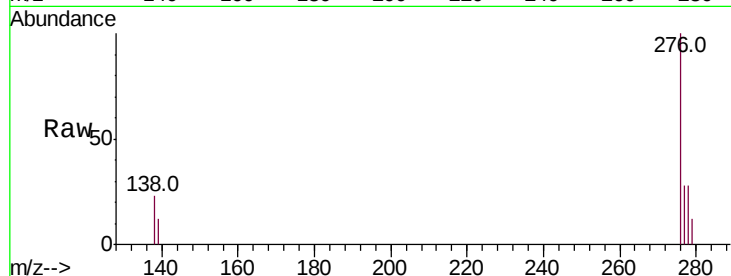


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.555 ng/ul
RT: 25.49 min Scan# 4215
Delta R.T. 0.00 min
Lab File: BE097465.D
Acq: 12 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :

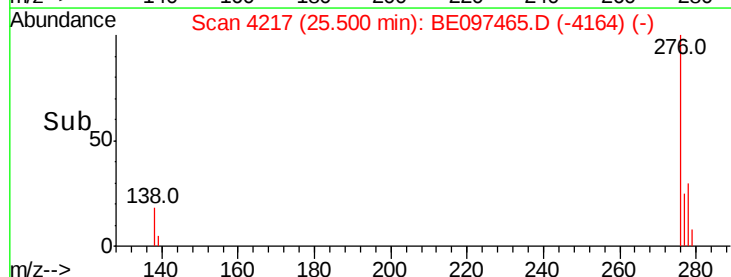
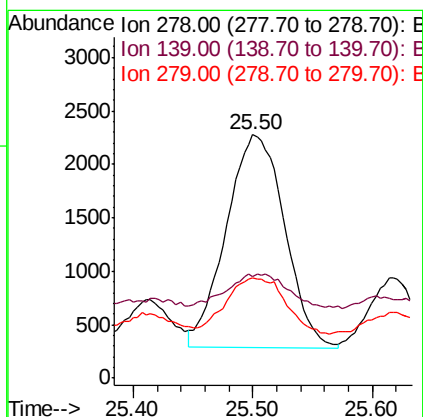
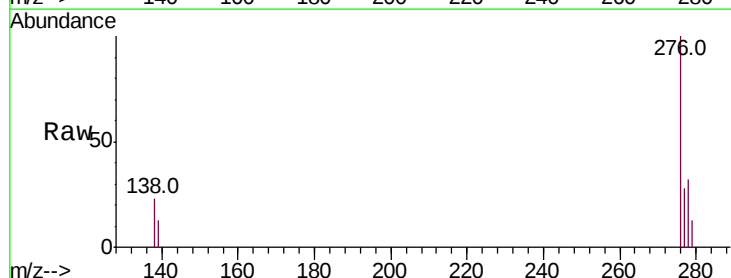
Tot Ion:276 Resp: 20462
Ion Ratio Lower Upper
276 100
138 19.3 28.0 42.0#
227 0.0 8.0 12.0#

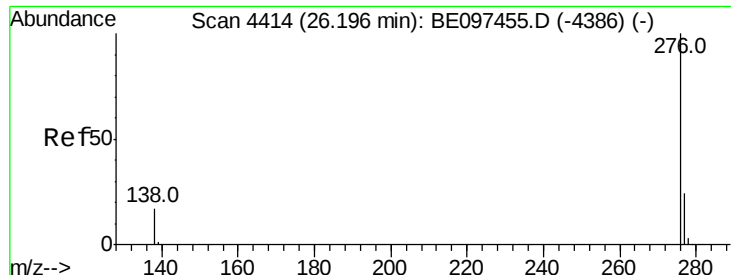


#25

Dibenzo(a,h)anthracene
Concen: 0.218 ng/ul
RT: 25.50 min Scan# 4217
Delta R.T. -0.01 min
Lab File: BE097465.D
Acq: 12 Sep 2018 23:59

Tgt Ion:278 Resp: 6798
Ion Ratio Lower Upper
278 100
139 42.0 17.4 26.0#
279 41.0 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.623 ng/ul

RT: 26.19 min Scan# 4411

Delta R.T. -0.00 min

Lab File: BE097465.D

Acq: 12 Sep 2018 23:59

Instrument :

BNA_E

ClientSampleId :

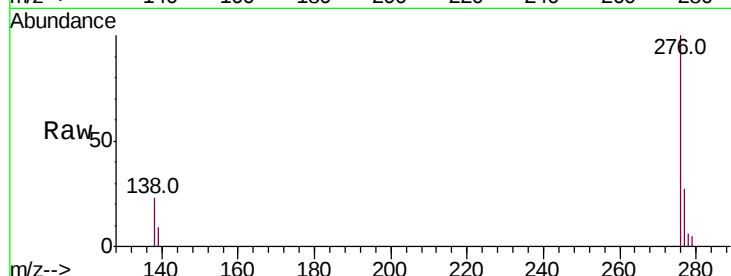
Tot Ion:276 Resp: 19591

Ion Ratio Lower Upper

276 100

138 22.7 21.8 32.8

277 27.0 20.5 30.7



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

