

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE082918\
 Data File : BE097389.D
 Acq On : 29 Aug 2018 14:52
 Operator : SJ/JU
 Sample : J4596-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A3YT5

Quant Time: Aug 29 15:36:06 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 : Wed Aug 29 13:18:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	717	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	3599	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	2124	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	6605	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	9200	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	9043	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	2032	0.36	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	10066	0.46	ng/ul	0.00

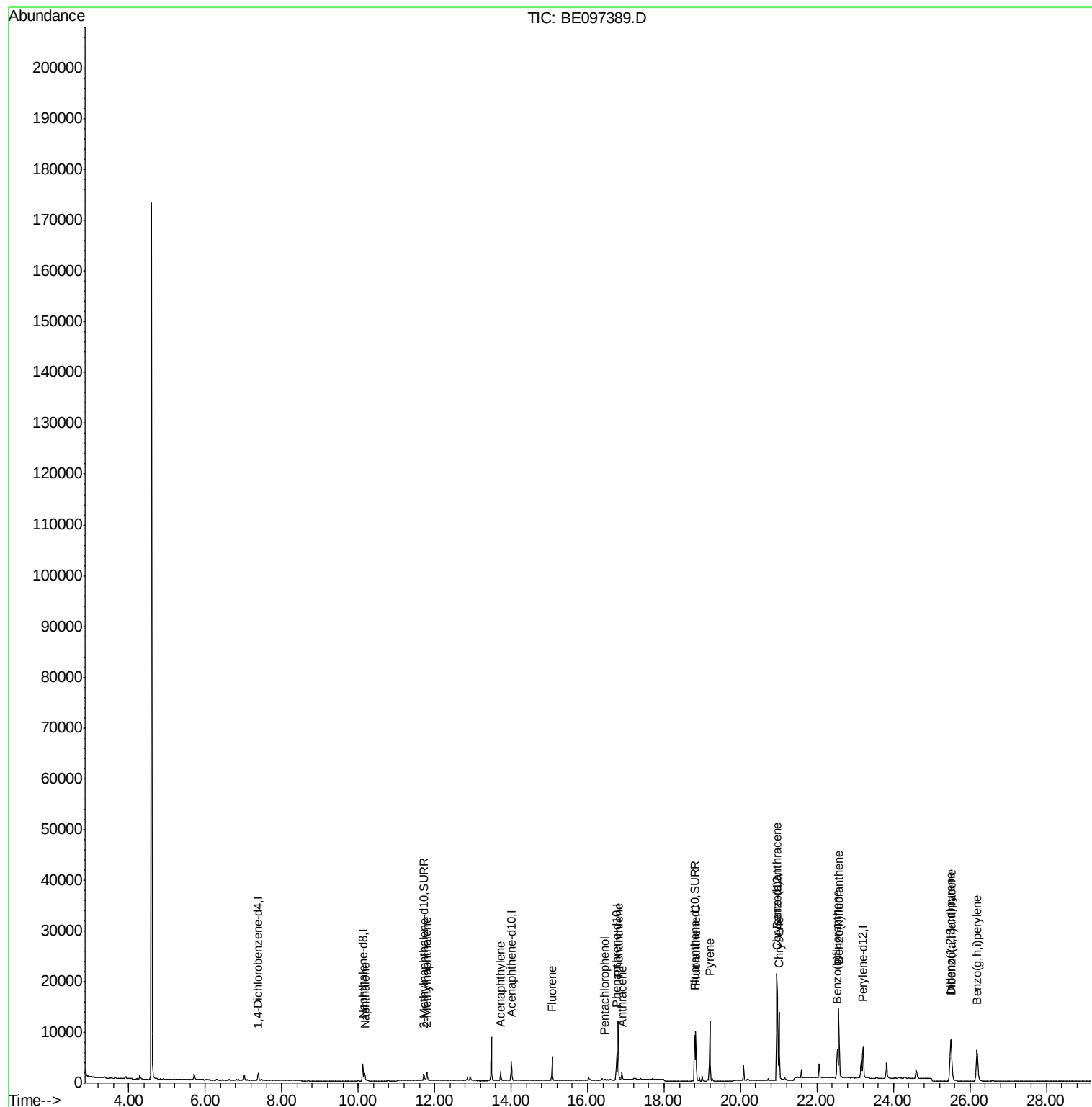
Target Compounds					Qvalue	
3) Naphthalene	10.17	128	2588	0.295	ng/ul#	96
5) 2-Methylnaphthalene	11.79	142	1573	0.284	ng/ul	98
7) Acenaphthylene	13.73	152	2346	0.303	ng/ul	99
9) Fluorene	15.07	166	3093	0.406	ng/ul	95
11) Pentachlorophenol	16.44	266	76	0.117	ng/ul	87
12) Phenanthrene	16.80	178	12188	0.717	ng/ul#	89
13) Anthracene	16.89	178	1857	0.130	ng/ul	94
15) Fluoranthene	18.83	202	11258	0.515	ng/ul	84
17) Pyrene	19.20	202	13126	0.530	ng/ul#	80
18) Benzo(a)anthracene	20.95	228	16243	0.687	ng/ul#	85
19) Chrysene	21.01	228	11333	0.416	ng/ul	98
21) Benzo(b)fluoranthene	22.53	252	7682	0.317	ng/ul	85
22) Benzo(k)fluoranthene	22.57	252	13444	0.498	ng/ul#	73
24) Indeno(1,2,3-cd)pyrene	25.49	276	11075	0.381	ng/ul#	80
25) Dibenzo(a,h)anthracene	25.51	278	10359	0.421	ng/ul#	92
26) Benzo(g,h,i)perylene	26.19	276	14521	0.587	ng/ul#	91

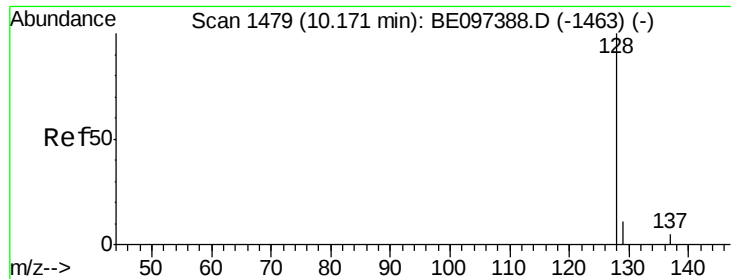
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.295 ng/ul

RT: 10.17 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BE097389.D

Acq: 29 Aug 2018 14:52

Instrument :

BNA_E

ClientSampleId :

A3YT5

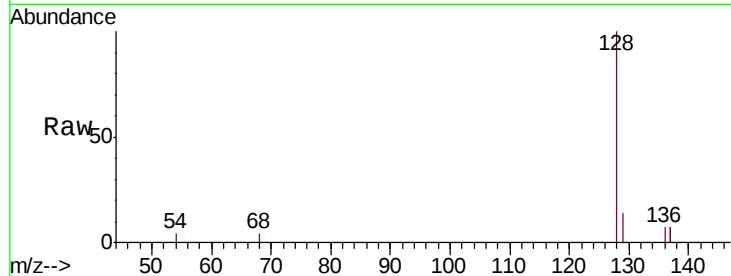
Tgt Ion:128 Resp: 2588

Ion Ratio Lower Upper

128 100

129 13.9 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

1500

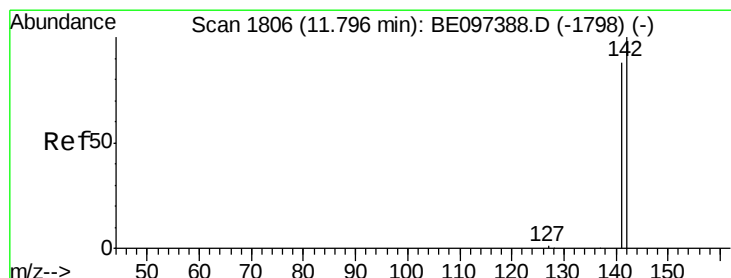
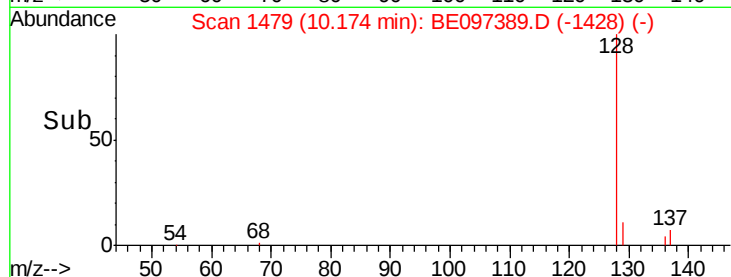
1000

500

0

10.17

Time--> 10.00 10.20



#5

2-Methylnaphthalene

Concen: 0.284 ng/ul

RT: 11.79 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BE097389.D

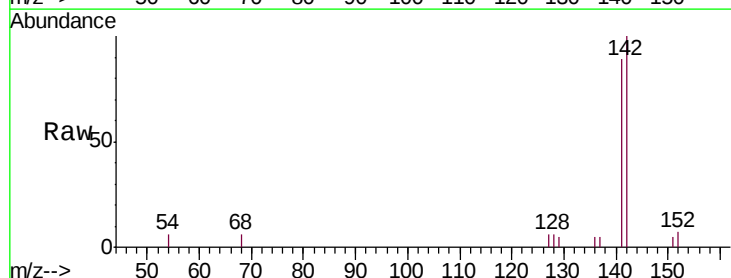
Acq: 29 Aug 2018 14:52

Tgt Ion:142 Resp: 1573

Ion Ratio Lower Upper

142 100

141 88.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

1000

800

600

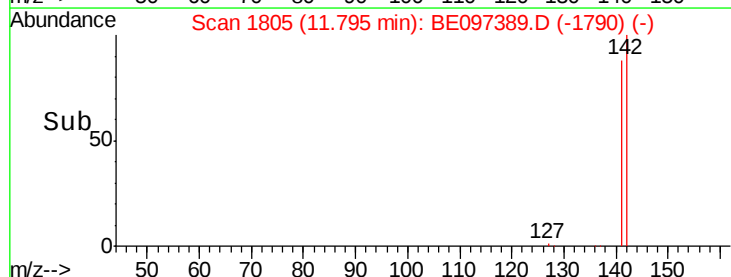
400

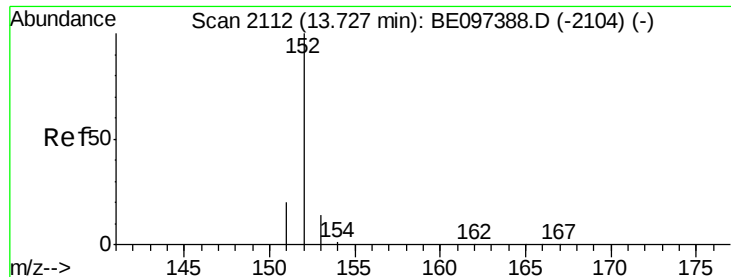
200

0

11.79

Time--> 11.70 11.80 11.90





#7

Acenaphthylene

Concen: 0.303 ng/ul

RT: 13.73 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE097389.D

Acq: 29 Aug 2018 14:52

Instrument :

BNA_E

ClientSampleId :

A3YT5

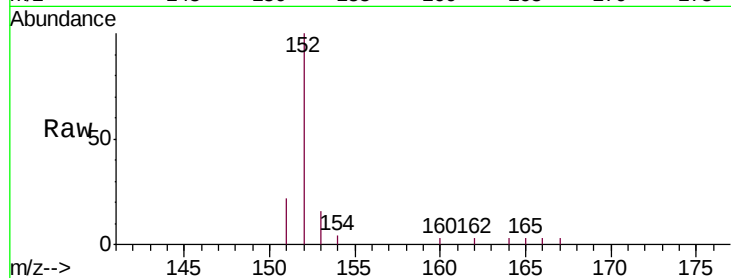
Tgt Ion:152 Resp: 2346

Ion Ratio Lower Upper

152 100

151 22.3 17.1 25.7

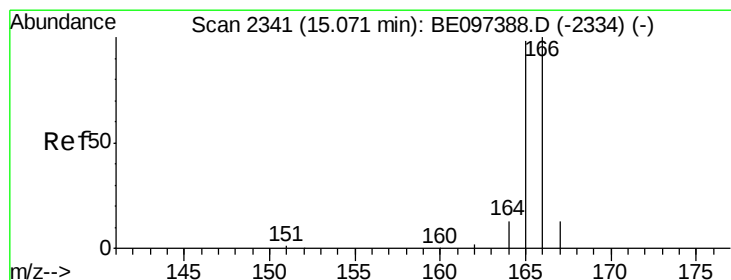
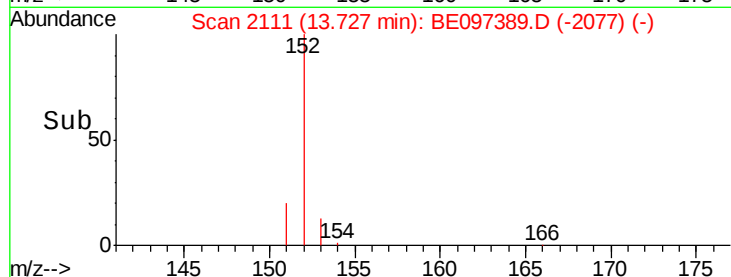
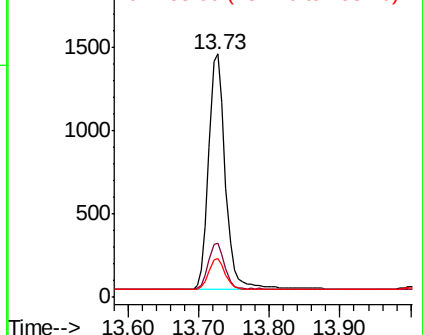
153 15.7 12.8 19.2



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



#9

Fluorene

Concen: 0.406 ng/ul

RT: 15.07 min Scan# 2340

Delta R.T. 0.00 min

Lab File: BE097389.D

Acq: 29 Aug 2018 14:52

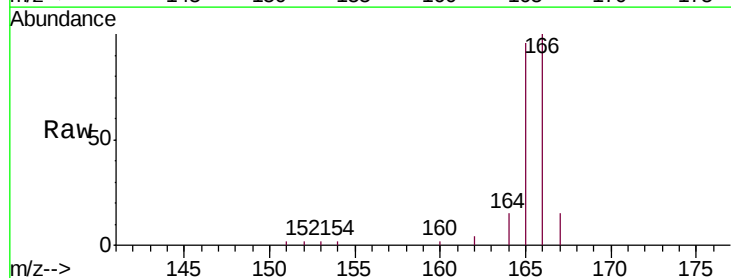
Tgt Ion:166 Resp: 3093

Ion Ratio Lower Upper

166 100

165 96.3 73.4 110.2

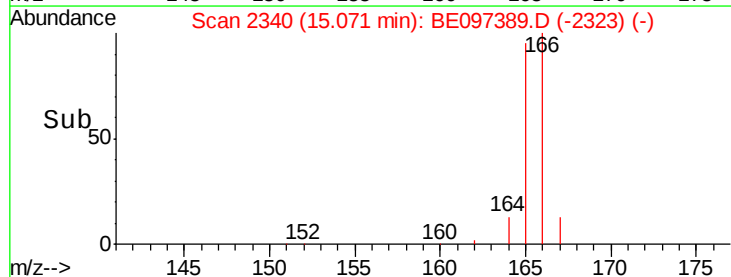
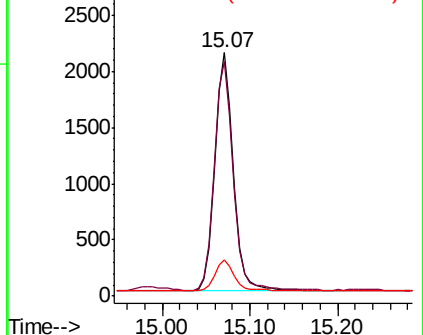
167 15.1 14.6 22.0

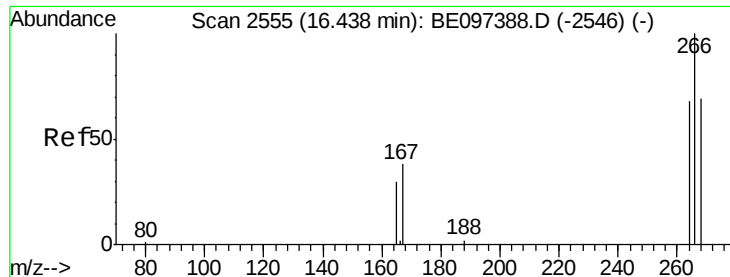


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

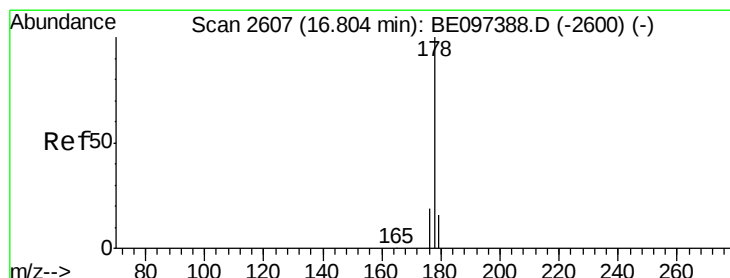
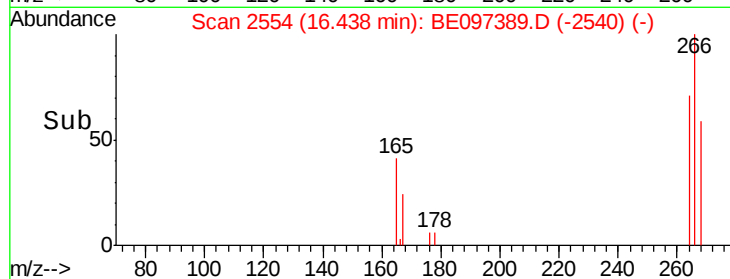
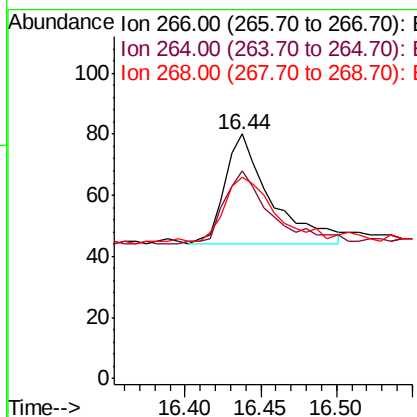
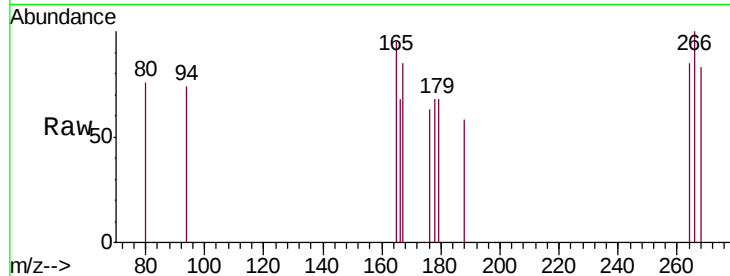




#11
 Pentachlorophenol
 Concen: 0.117 ng/ul
 RT: 16.44 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: BE097389.D
 Acq: 29 Aug 2018 14:52

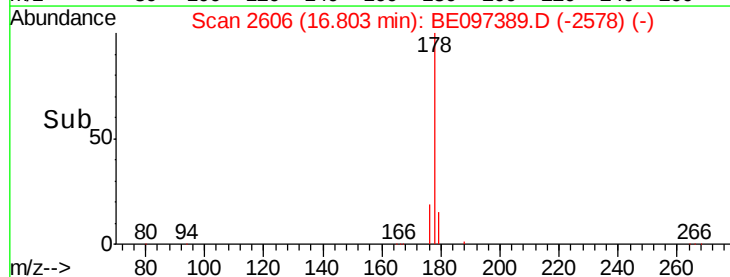
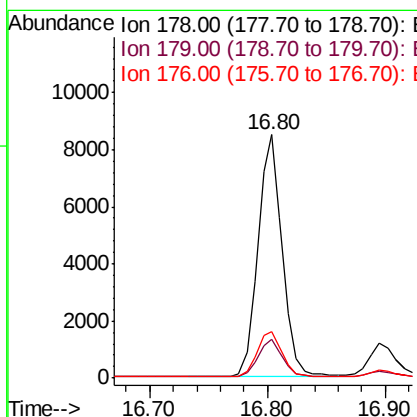
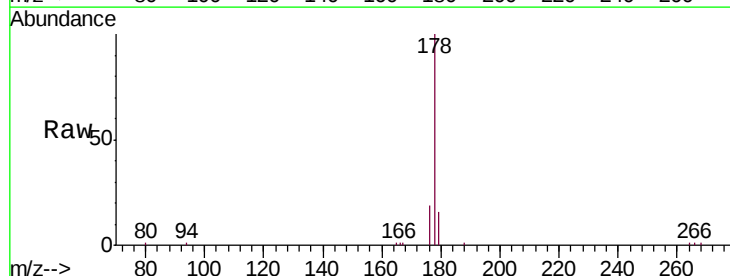
Instrument :
 BNA_E
 ClientSampleId :
 A3YT5

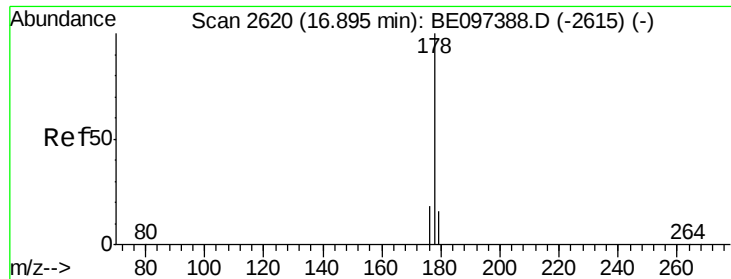
Tgt Ion: 266 Resp: 76
 Ion Ratio Lower Upper
 266 100
 264 68.4 47.9 71.9
 268 73.7 49.8 74.8



#12
 Phenanthrene
 Concen: 0.717 ng/ul
 RT: 16.80 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: BE097389.D
 Acq: 29 Aug 2018 14:52

Tgt Ion: 178 Resp: 12188
 Ion Ratio Lower Upper
 178 100
 179 15.9 18.4 27.6#
 176 19.3 13.6 20.4





#13

Anthracene

Concen: 0.130 ng/ul

RT: 16.89 min Scan# 2619

Delta R.T. 0.00 min

Lab File: BE097389.D

Acq: 29 Aug 2018 14:52

Instrument :

BNA_E

ClientSampleId :

A3YT5

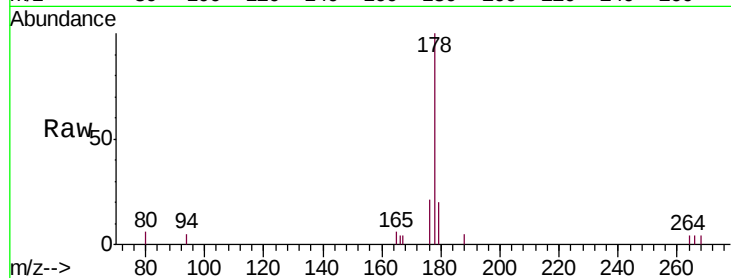
Tgt Ion:178 Resp: 1857

Ion Ratio Lower Upper

178 100

179 20.3 18.1 27.1

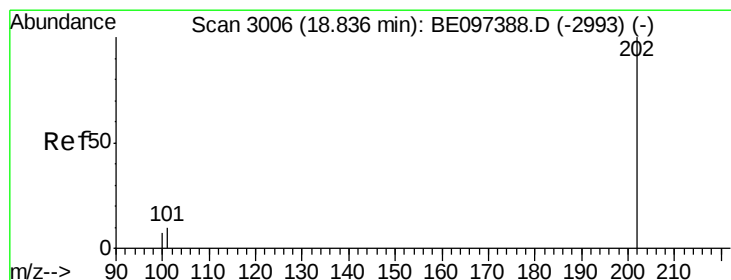
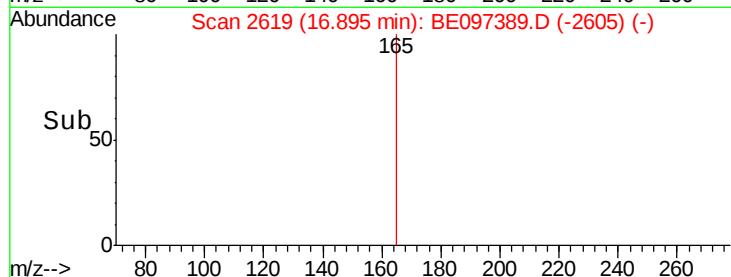
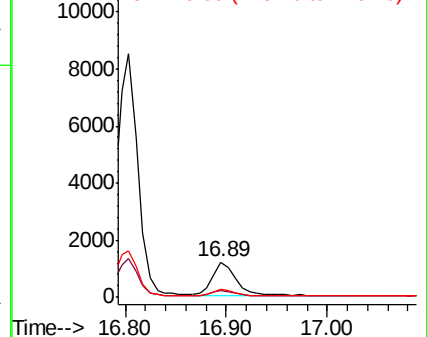
176 21.4 14.7 22.1



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: 0.515 ng/ul

RT: 18.83 min Scan# 3004

Delta R.T. -0.00 min

Lab File: BE097389.D

Acq: 29 Aug 2018 14:52

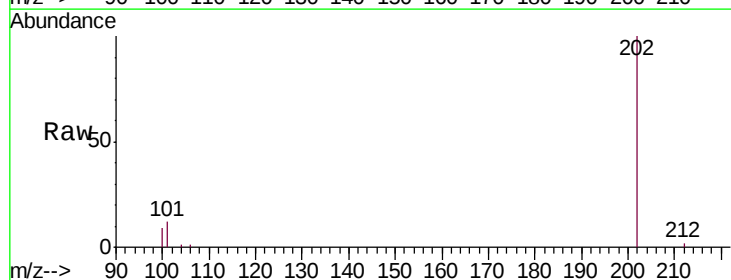
Tgt Ion:202 Resp: 11258

Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.3

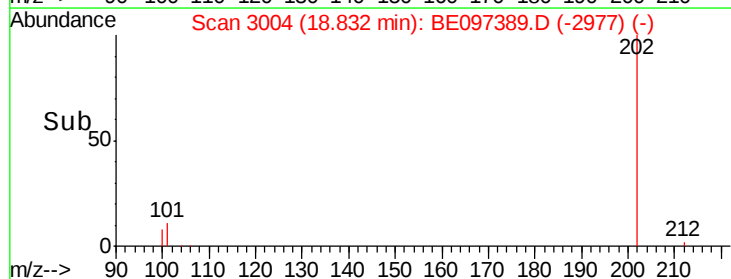
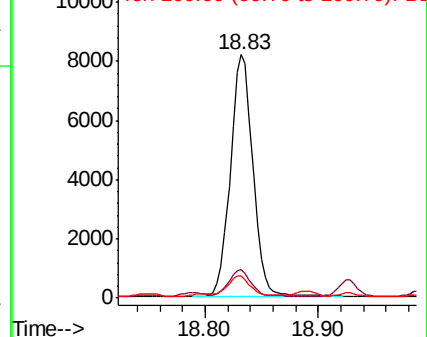
100 9.3 0.0 39.5

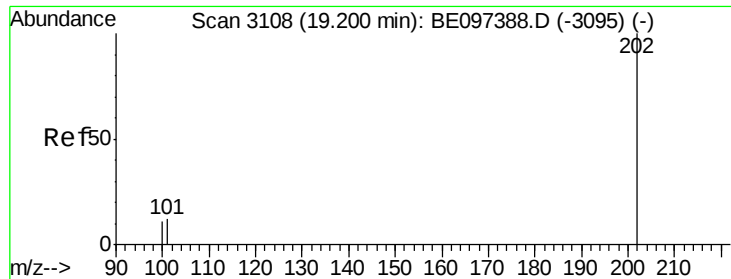


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

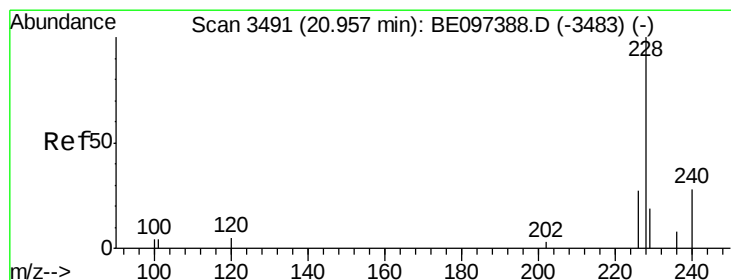
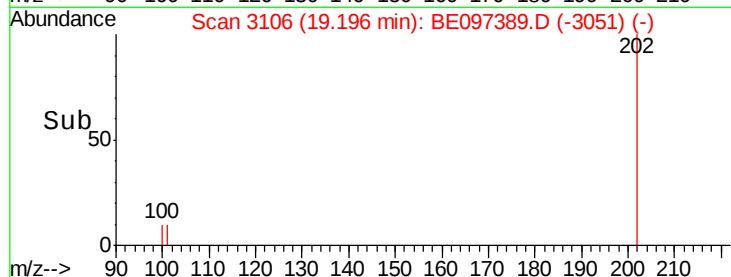
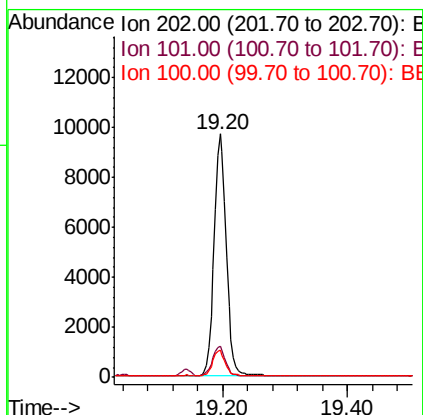
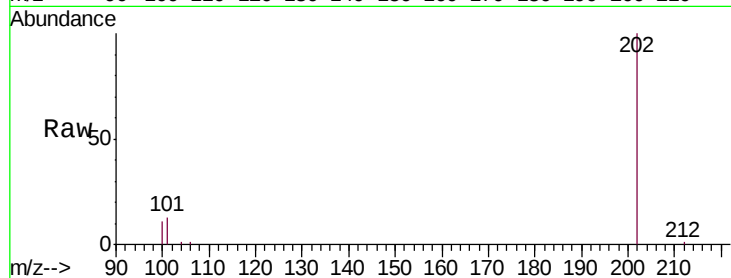




#17
Pyrene
Concen: 0.530 ng/ul
RT: 19.20 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BE097389.D
Acq: 29 Aug 2018 14:52

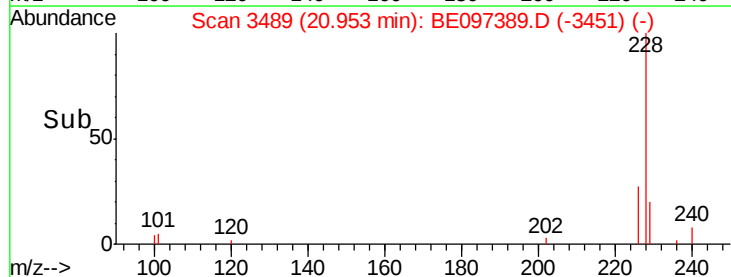
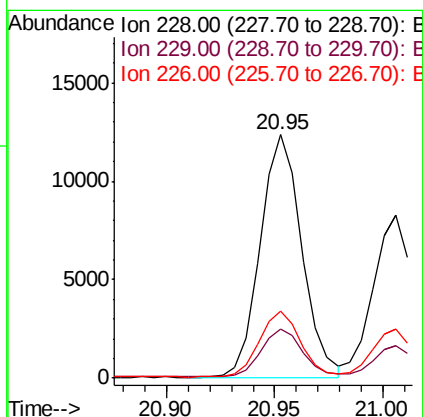
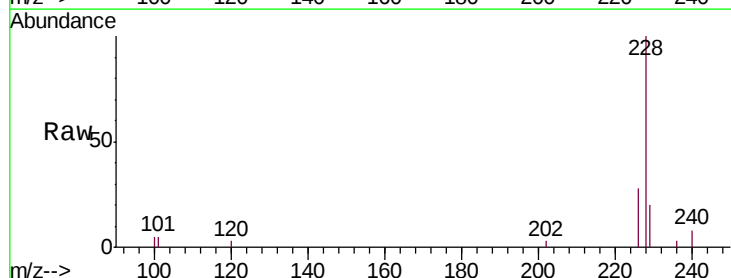
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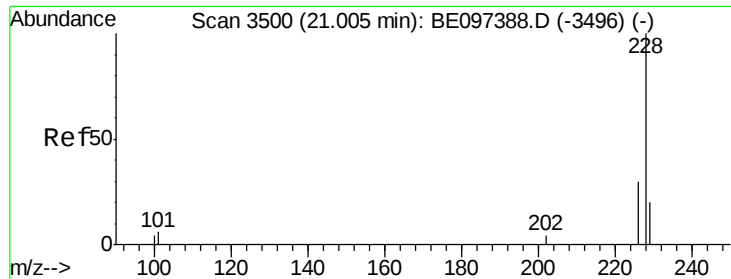
Tgt Ion:202 Resp: 13126
Ion Ratio Lower Upper
202 100
101 12.7 18.2 27.4#
100 11.0 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 0.687 ng/ul
RT: 20.95 min Scan# 3489
Delta R.T. 0.00 min
Lab File: BE097389.D
Acq: 29 Aug 2018 14:52

Tgt Ion:228 Resp: 16243
Ion Ratio Lower Upper
228 100
229 20.2 22.8 34.2#
226 27.5 17.0 25.6#





#19

Chrysene

Concen: 0.416 ng/ul

RT: 21.01 min Scan# 3499

Delta R.T. 0.00 min

Lab File: BE097389.D

Acq: 29 Aug 2018 14:52

Instrument :

BNA_E

ClientSampleId :

A3YT5

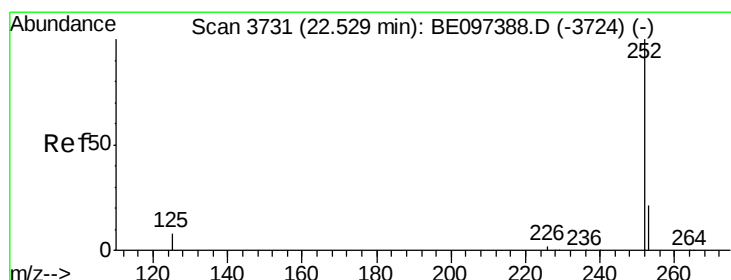
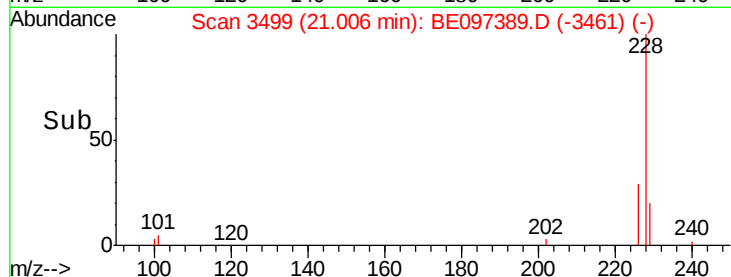
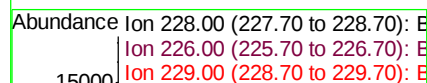
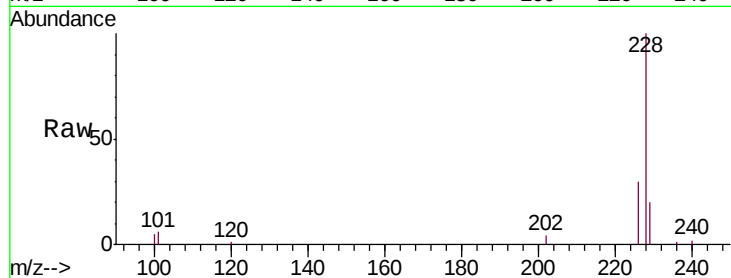
Tgt Ion:228 Resp: 11333

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.0

229 20.2 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 0.317 ng/ul

RT: 22.53 min Scan# 3730

Delta R.T. 0.00 min

Lab File: BE097389.D

Acq: 29 Aug 2018 14:52

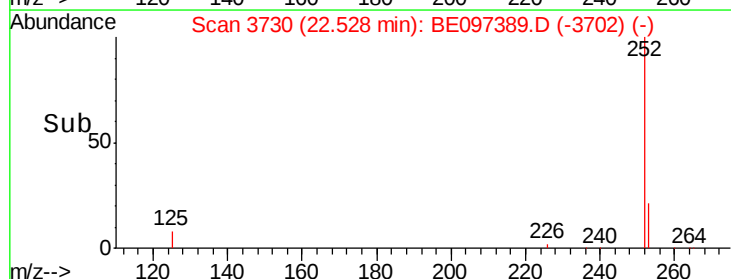
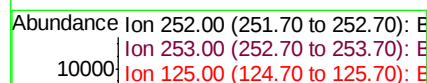
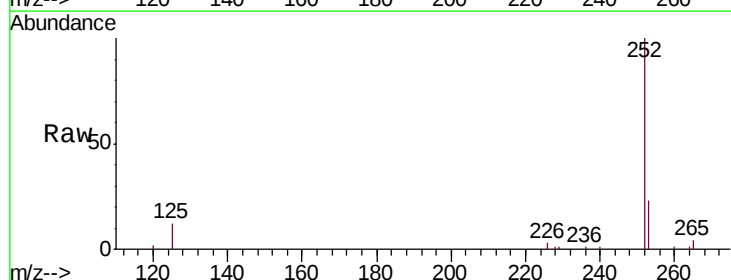
Tgt Ion:252 Resp: 7682

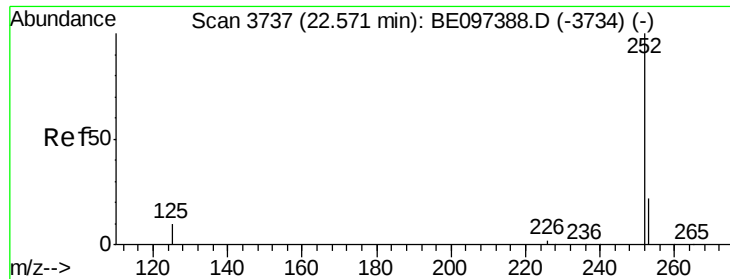
Ion Ratio Lower Upper

252 100

253 23.1 0.0 64.2

125 12.3 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.498 ng/u1

RT: 22.57 min Scan# 3736

Delta R.T. -0.01 min

Lab File: BE097389.D

Acq: 29 Aug 2018 14:52

Instrument :

BNA_E

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A3YT5

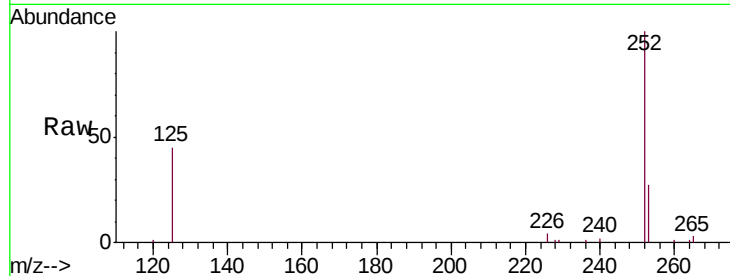
Tgt Ion:252 Resp: 13444

Ion Ratio Lower Upper

252 100

253 27.4 24.5 36.7

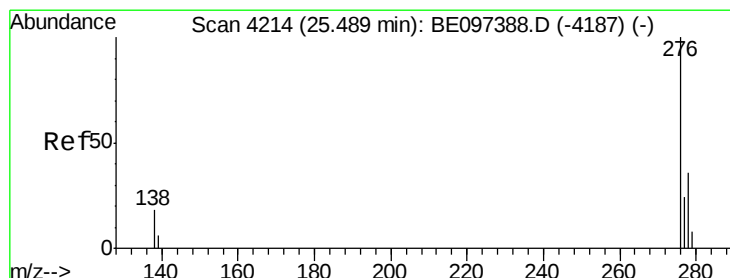
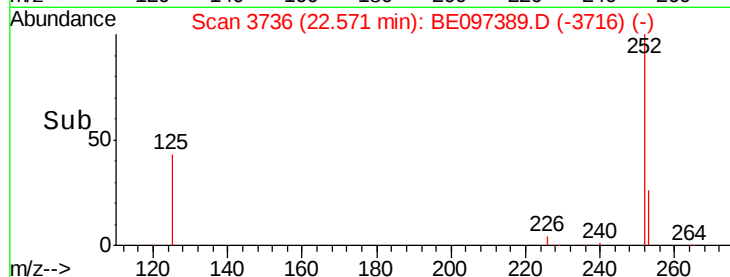
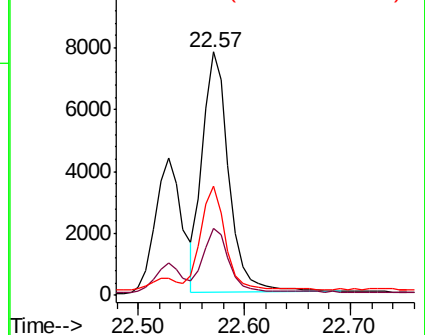
125 45.0 13.7 20.5#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.381 ng/u1

RT: 25.49 min Scan# 4214

Delta R.T. -0.00 min

Lab File: BE097389.D

Acq: 29 Aug 2018 14:52

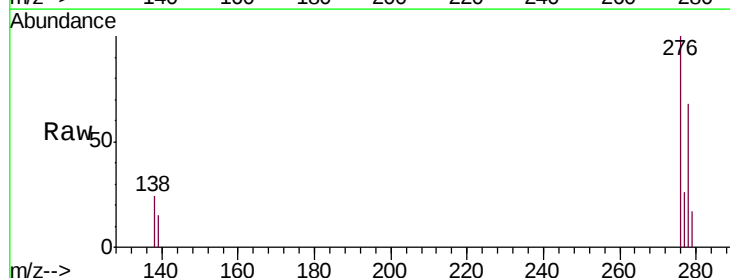
Tgt Ion:276 Resp: 11075

Ion Ratio Lower Upper

276 100

138 24.2 28.0 42.0#

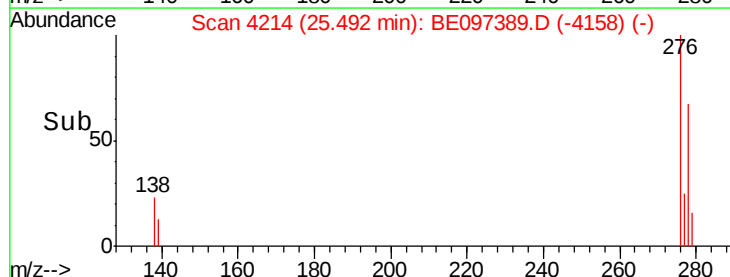
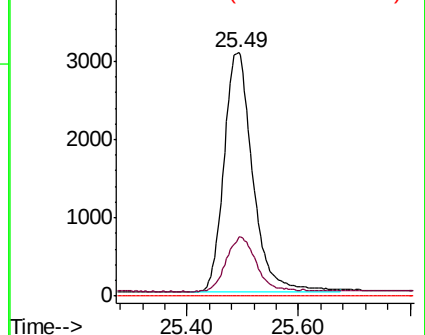
227 0.0 8.0 12.0#

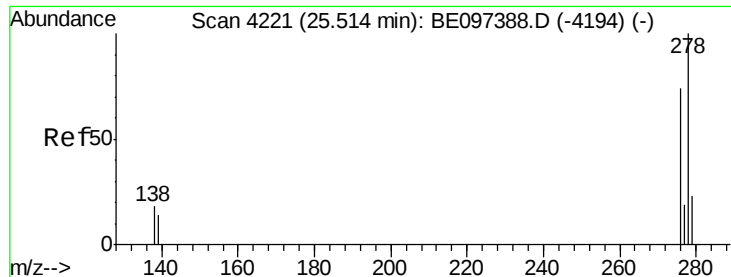


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.421 ng/ul

RT: 25.51 min Scan# 4219

Delta R.T. -0.01 min

Lab File: BE097389.D

Acq: 29 Aug 2018 14:52

Instrument :

BNA_E

ClientSampleId :

A3YT5

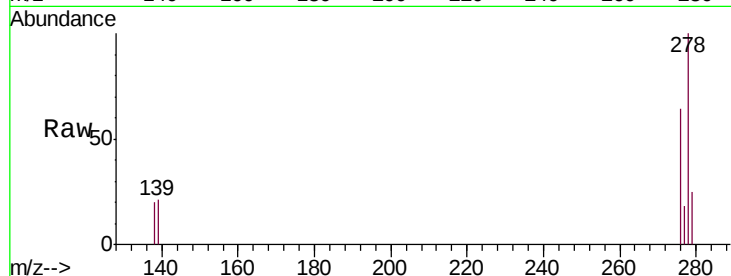
Tgt Ion: 278 Resp: 10359

Ion Ratio Lower Upper

278 100

139 21.5 17.4 26.0

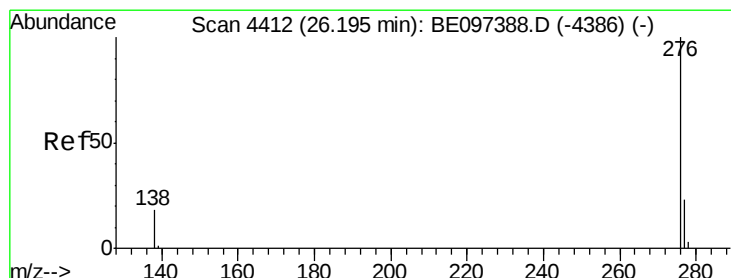
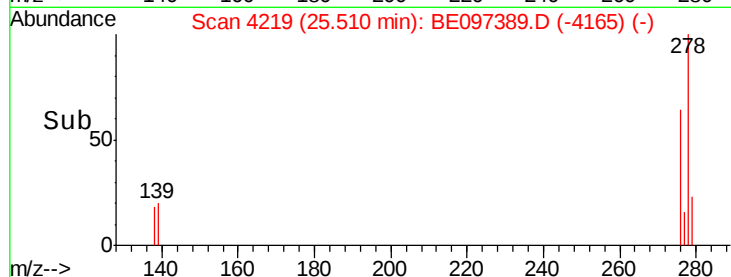
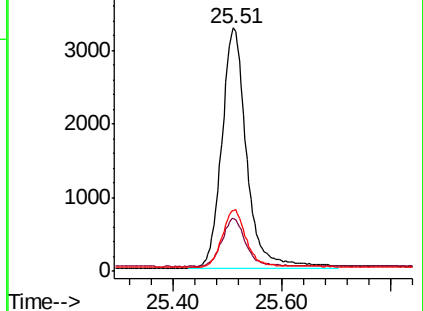
279 24.7 25.9 38.9#



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: 0.587 ng/ul

RT: 26.19 min Scan# 4409

Delta R.T. -0.00 min

Lab File: BE097389.D

Acq: 29 Aug 2018 14:52

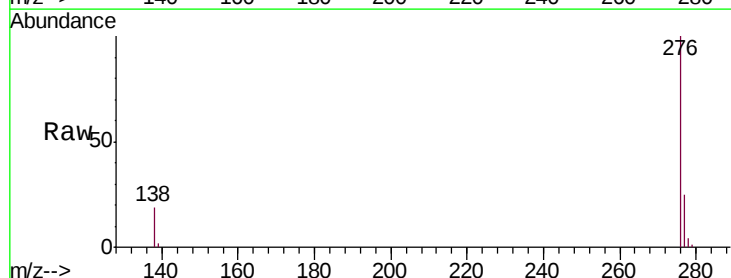
Tgt Ion: 276 Resp: 14521

Ion Ratio Lower Upper

276 100

138 19.3 21.8 32.8#

277 24.6 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

