

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE083118\
 Data File : BE097403.D
 Acq On : 31 Aug 2018 13:19
 Operator : SJ/JU
 Sample : J4596-07MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A3Z29MS

Quant Time: Aug 31 14:29:02 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 : Fri Aug 31 11:16:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	741	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	3815	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	2374	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	7263	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	9365	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	9398	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.72	152	1023	0.17	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	4724	0.20	ng/ul	0.00

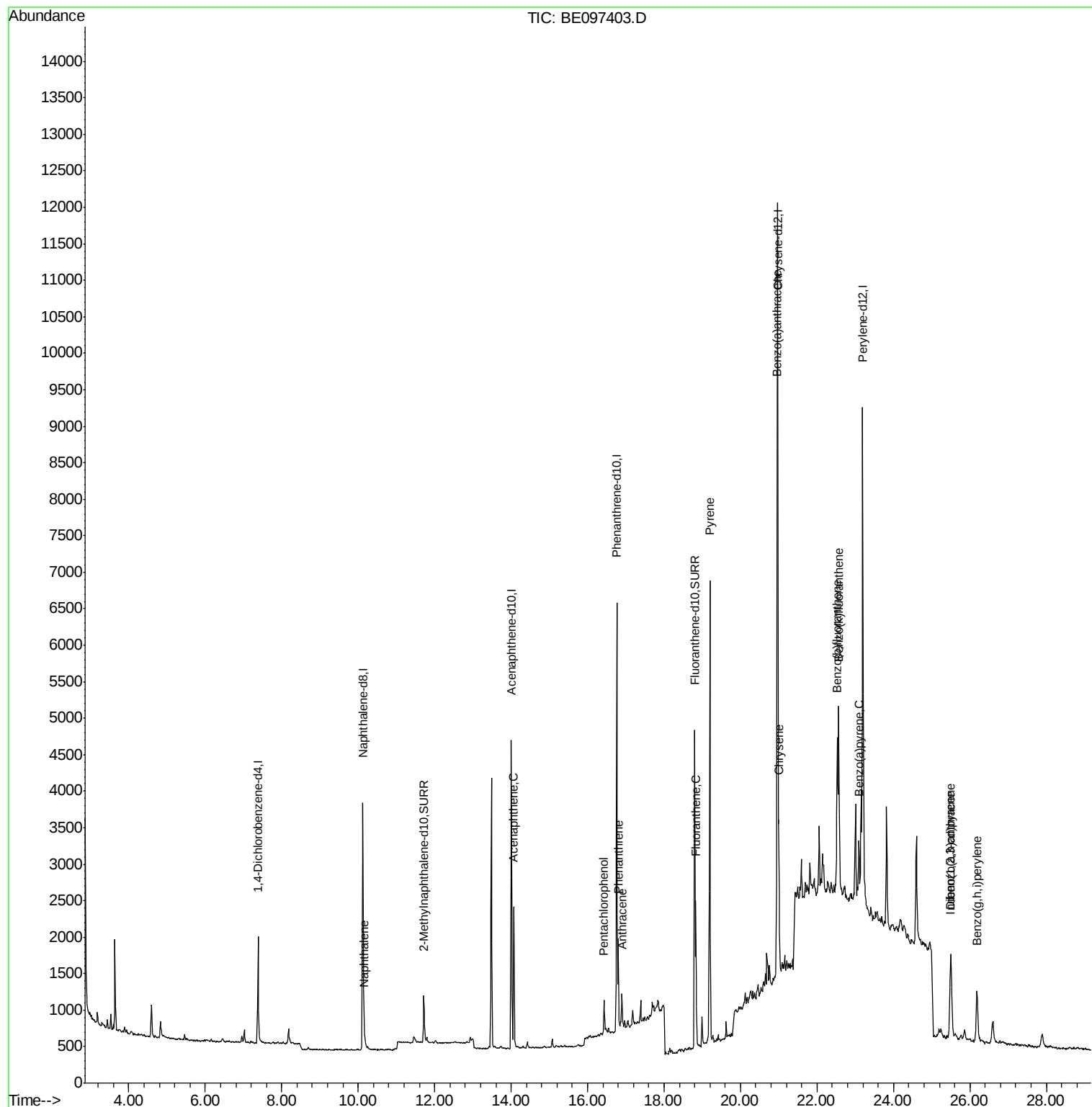
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.17	128	231	0.025	ng/ul#	56
8) Acenaphthene	14.07	153	1175	0.158	ng/ul#	95
11) Pentachlorophenol	16.43	266	296	0.414	ng/ul	97
12) Phenanthrene	16.80	178	1352	0.072	ng/ul#	92
13) Anthracene	16.90	178	529	0.034	ng/ul#	79
15) Fluoranthene	18.83	202	2321	0.097	ng/ul	84
17) Pyrene	19.20	202	7069	0.281	ng/ul#	80
18) Benzo(a)anthracene	20.95	228	1485	0.062	ng/ul#	76
19) Chrysene	21.00	228	3072	0.111	ng/ul#	80
21) Benzo(b)fluoranthene	22.53	252	3154	0.125	ng/ul#	69
22) Benzo(k)fluoranthene	22.57	252	1538	0.055	ng/ul#	1
23) Benzo(a)pyrene	23.10	252	1224	0.053	ng/ul#	51
24) Indeno(1,2,3-cd)pyrene	25.49	276	1475	0.049	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.51	278	820	0.032	ng/ul#	1
26) Benzo(g,h,i)perylene	26.19	276	1497	0.058	ng/ul#	81

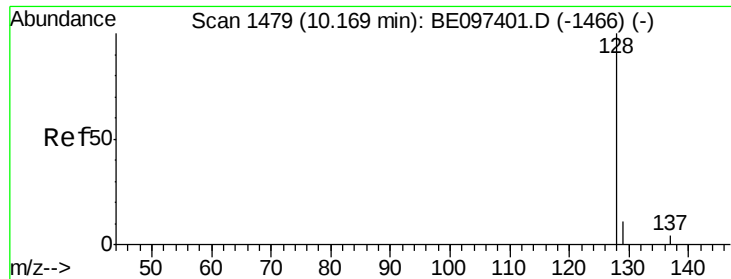
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.025 ng/ul

RT: 10.17 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE097403.D

Acq: 31 Aug 2018 13:19

Instrument :

BNA_E

ClientSampleId :

A3Z29MS

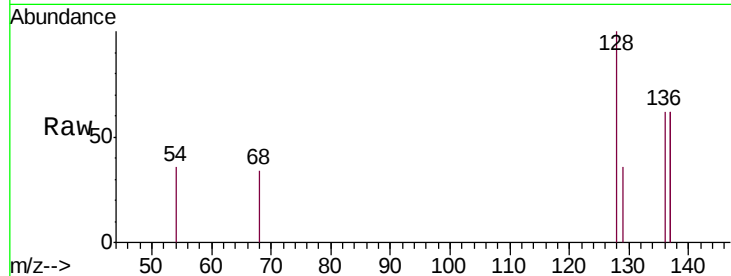
Tgt Ion:128 Resp: 231

Ion Ratio Lower Upper

128 100

129 36.0 11.3 16.9#

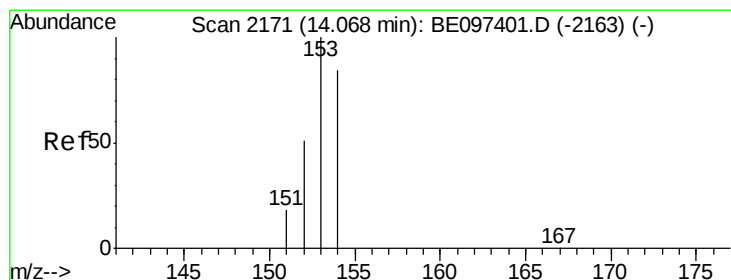
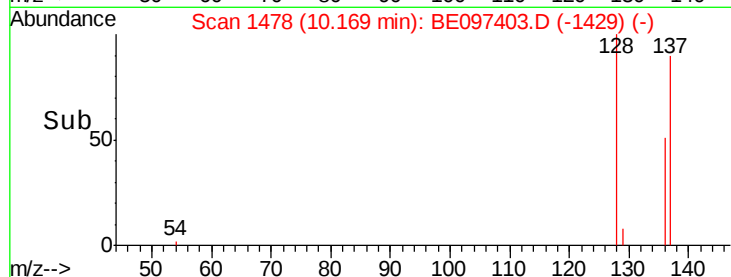
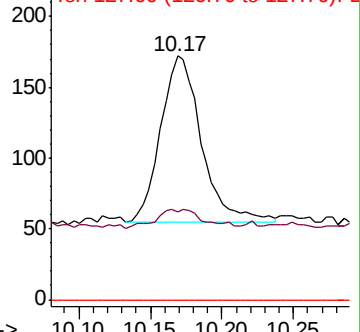
127 0.0 4.0 6.0#



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



#8

Acenaphthene

Concen: 0.158 ng/ul

RT: 14.07 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BE097403.D

Acq: 31 Aug 2018 13:19

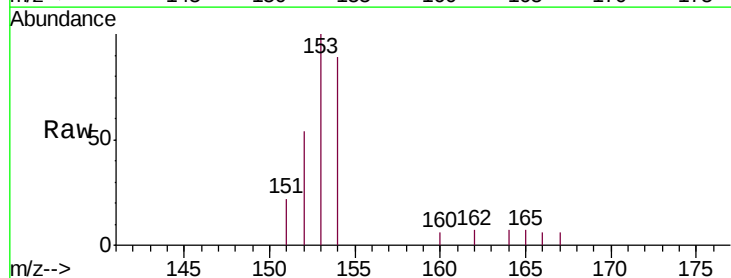
Tgt Ion:153 Resp: 1175

Ion Ratio Lower Upper

153 100

152 54.1 36.0 54.0#

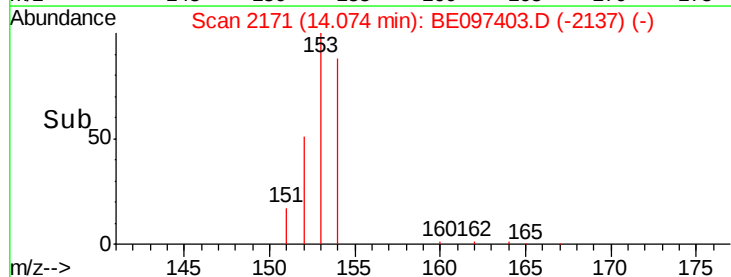
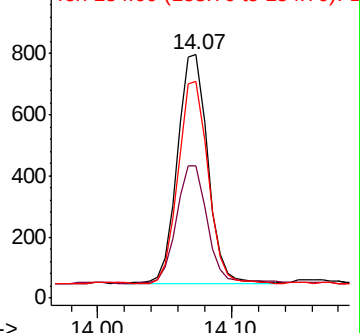
154 89.0 72.0 108.0

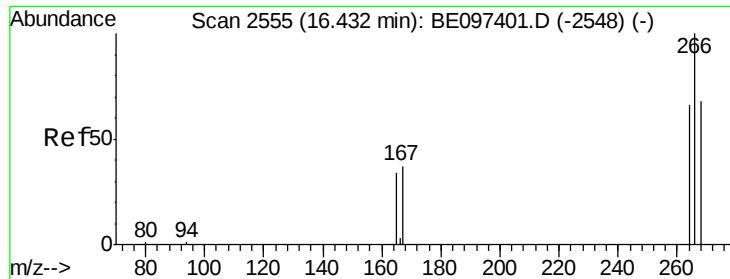


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

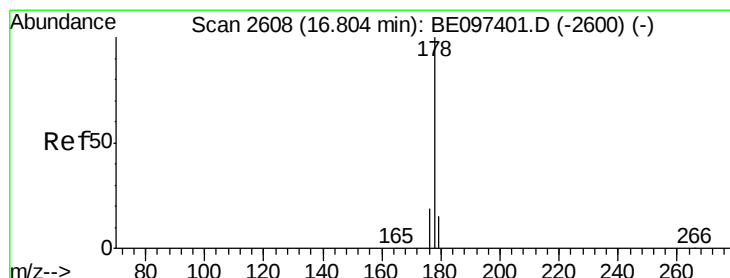
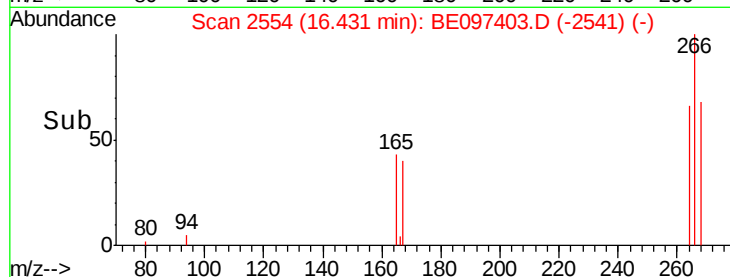
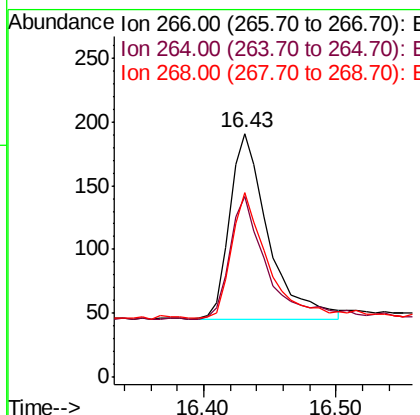
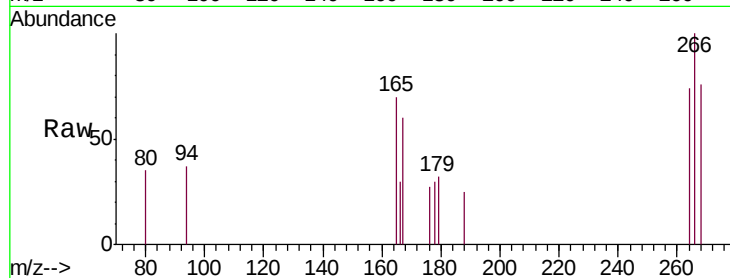




#11
 Pentachlorophenol
 Concen: 0.414 ng/ul
 RT: 16.43 min Scan# 2554
 Delta R.T. -0.01 min
 Lab File: BE097403.D
 Acq: 31 Aug 2018 13:19

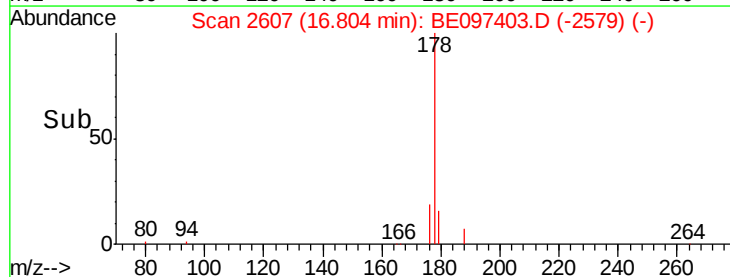
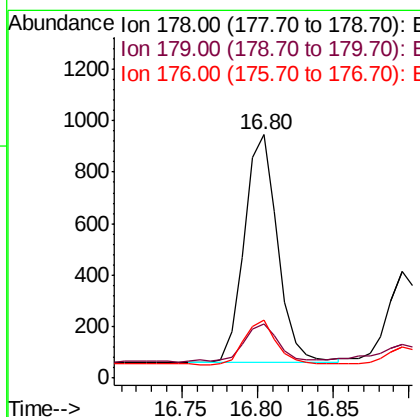
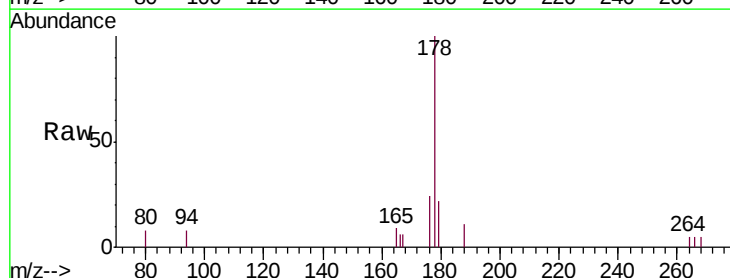
Instrument :
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 ClientSampleId :
 A3Z29MS

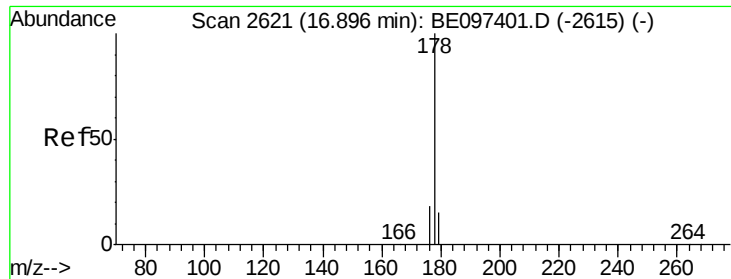
Tgt Ion: 266 Resp: 296
 Ion Ratio Lower Upper
 266 100
 264 63.2 47.9 71.9
 268 63.2 49.8 74.8



#12
 Phenanthrene
 Concen: 0.072 ng/ul
 RT: 16.80 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: BE097403.D
 Acq: 31 Aug 2018 13:19

Tgt Ion: 178 Resp: 1352
 Ion Ratio Lower Upper
 178 100
 179 22.1 18.4 27.6
 176 23.7 13.6 20.4#





#13

Anthracene

Concen: 0.034 ng/ul

RT: 16.90 min Scan# 2620

Delta R.T. 0.00 min

Lab File: BE097403.D

Acq: 31 Aug 2018 13:19

Instrument :

BNA_E

ClientSampleId :

A3Z29MS

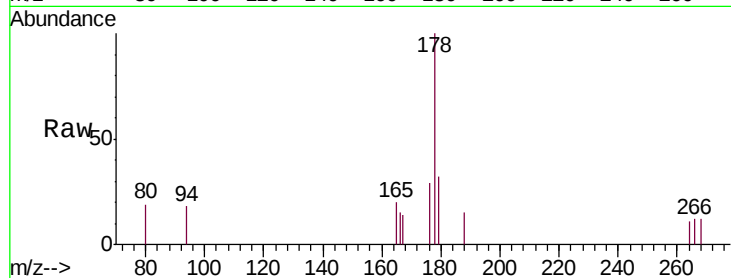
Tgt Ion:178 Resp: 529

Ion Ratio Lower Upper

178 100

179 31.9 18.1 27.1#

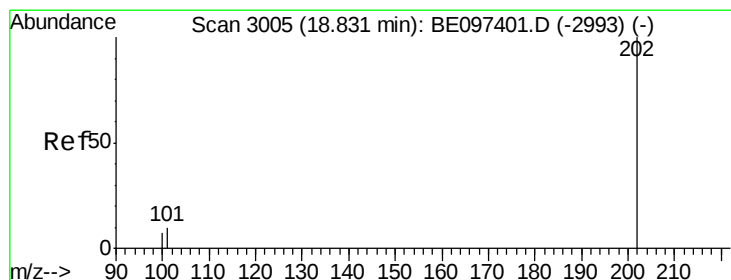
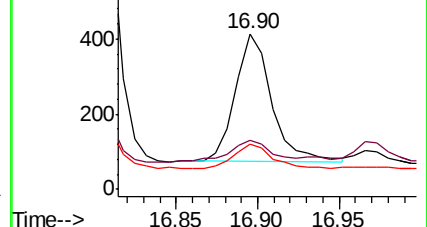
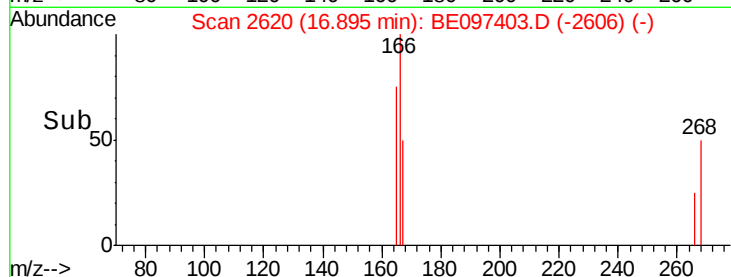
176 29.0 14.7 22.1#



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: 0.097 ng/ul

RT: 18.83 min Scan# 3005

Delta R.T. -0.00 min

Lab File: BE097403.D

Acq: 31 Aug 2018 13:19

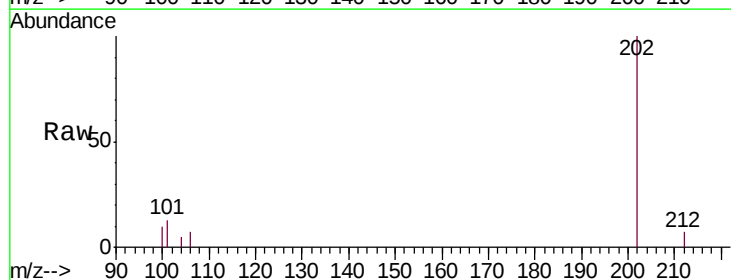
Tgt Ion:202 Resp: 2321

Ion Ratio Lower Upper

202 100

101 13.2 0.0 30.3

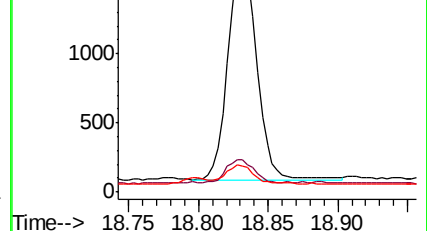
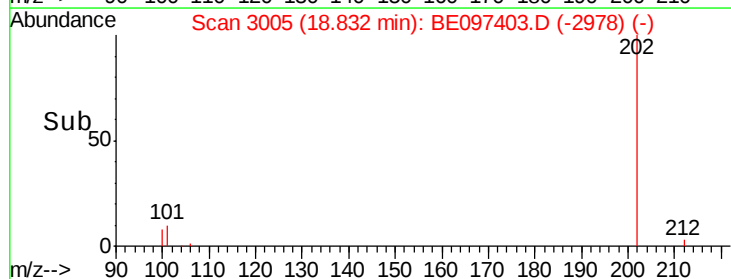
100 10.5 0.0 39.5

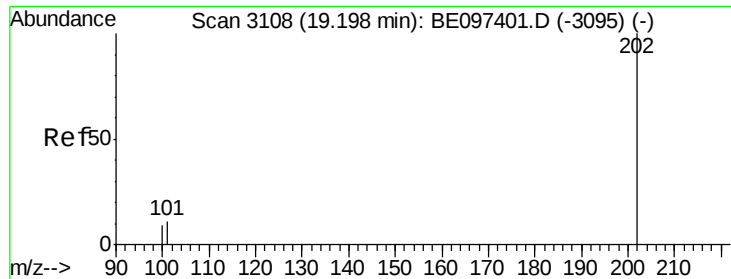


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

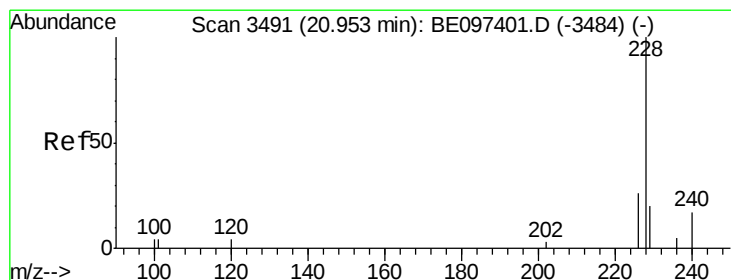
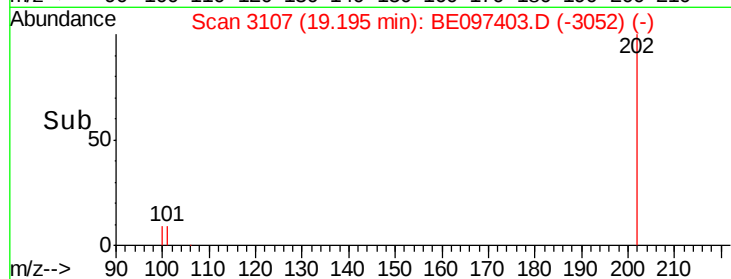
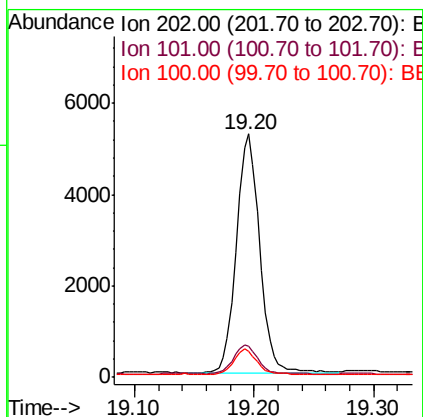
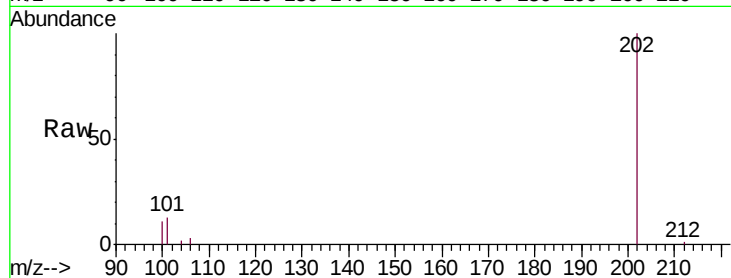




#17
 Pyrene
 Concen: 0.281 ng/ul
 RT: 19.20 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: BE097403.D
 Acq: 31 Aug 2018 13:19

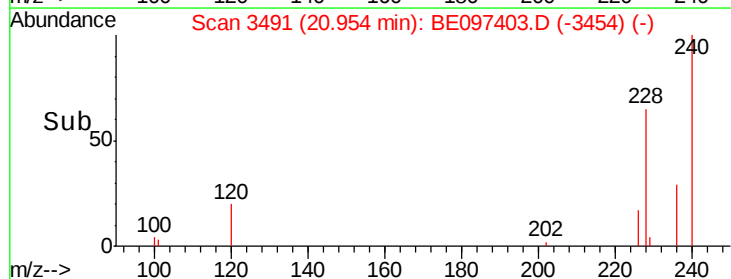
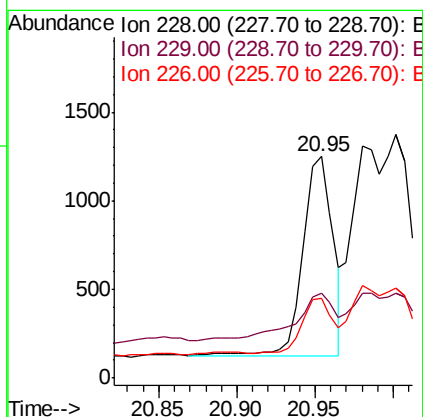
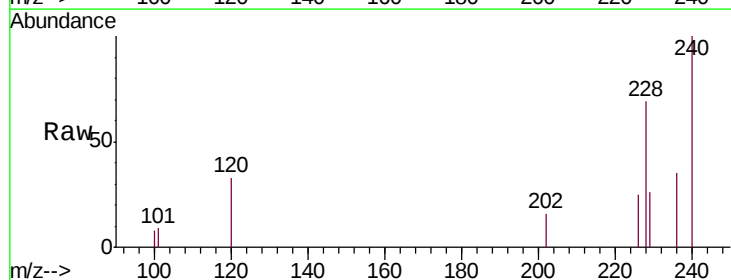
Instrument :
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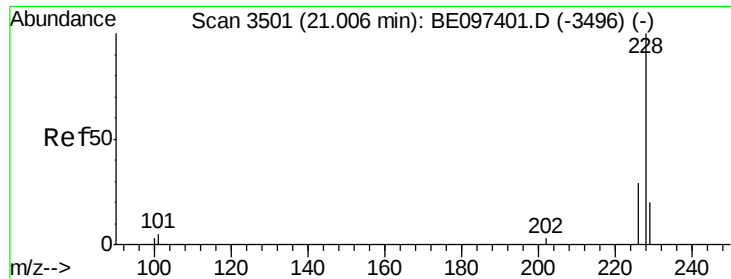
Tgt Ion:202 Resp: 7069
 Ion Ratio Lower Upper
 202 100
 101 12.9 18.2 27.4#
 100 10.6 15.6 23.4#



#18
 Benzo(a)anthracene
 Concen: 0.062 ng/ul
 RT: 20.95 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: BE097403.D
 Acq: 31 Aug 2018 13:19

Tgt Ion:228 Resp: 1485
 Ion Ratio Lower Upper
 228 100
 229 38.1 22.8 34.2#
 226 35.8 17.0 25.6#





#19

Chrysene

Concen: 0.111 ng/ul

RT: 21.00 min Scan# 3500

Delta R.T. -0.00 min

Lab File: BE097403.D

Acq: 31 Aug 2018 13:19

Instrument :

BNA_E

ClientSampleId :

A3Z29MS

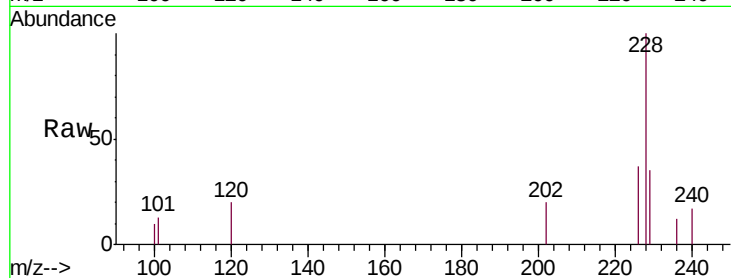
Tgt Ion:228 Resp: 3072

Ion Ratio Lower Upper

228 100

226 36.8 23.4 35.0#

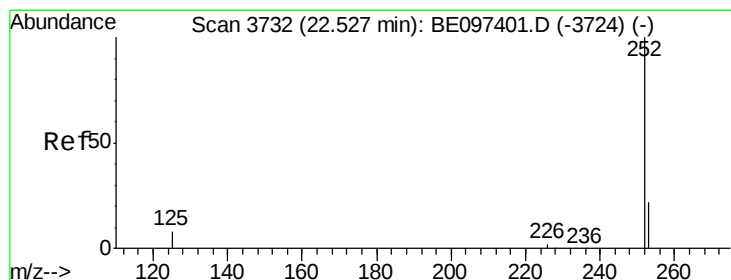
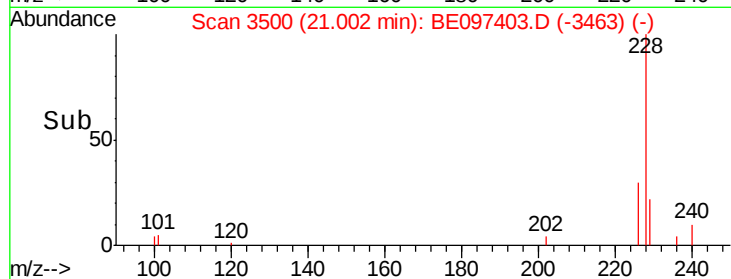
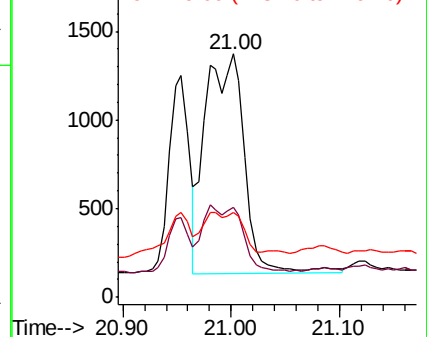
229 34.8 17.7 26.5#



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: 0.125 ng/ul

RT: 22.53 min Scan# 3732

Delta R.T. -0.00 min

Lab File: BE097403.D

Acq: 31 Aug 2018 13:19

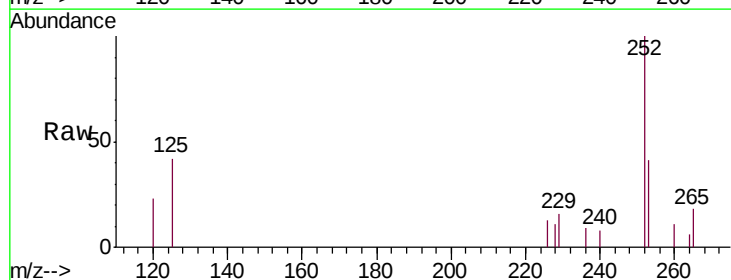
Tgt Ion:252 Resp: 3154

Ion Ratio Lower Upper

252 100

253 41.1 0.0 64.2

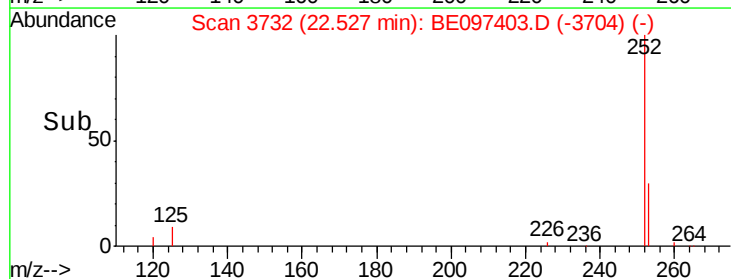
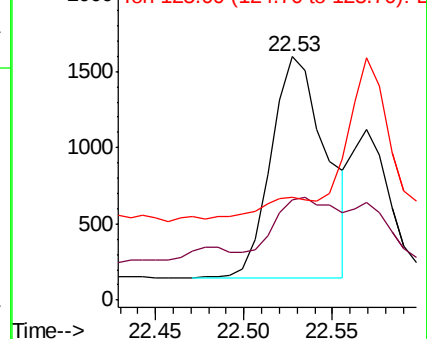
125 42.4 0.0 35.0#

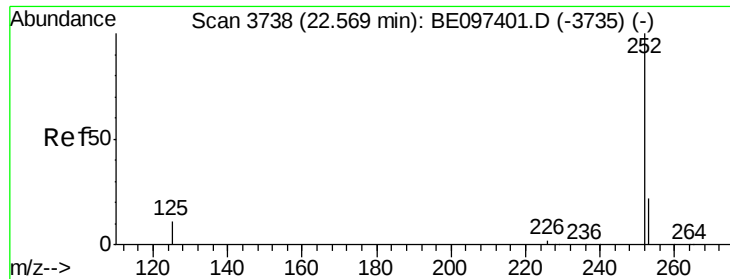


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.055 ng/u1

RT: 22.57 min Scan# 3738

Delta R.T. -0.00 min

Lab File: BE097403.D

Acq: 31 Aug 2018 13:19

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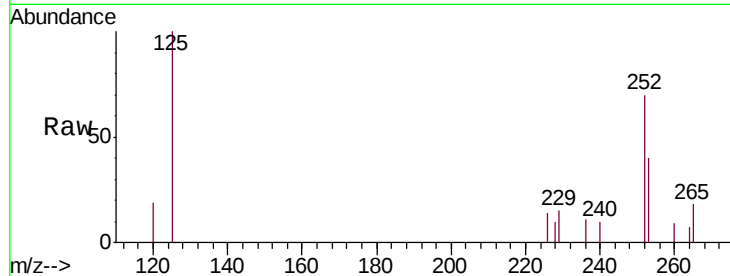
Tgt Ion:252 Resp: 1538

Ion Ratio Lower Upper

252 100

253 57.4 24.5 36.7#

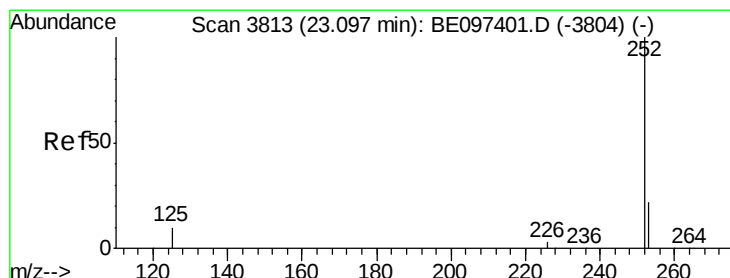
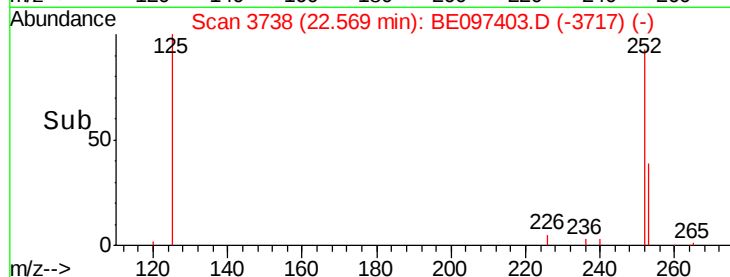
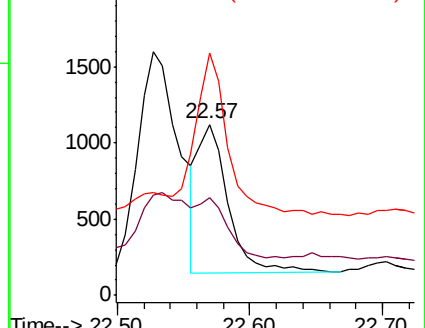
125 141.9 13.7 20.5#



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



#23

Benzo(a)pyrene

Concen: 0.053 ng/u1

RT: 23.10 min Scan# 3813

Delta R.T. -0.01 min

Lab File: BE097403.D

Acq: 31 Aug 2018 13:19

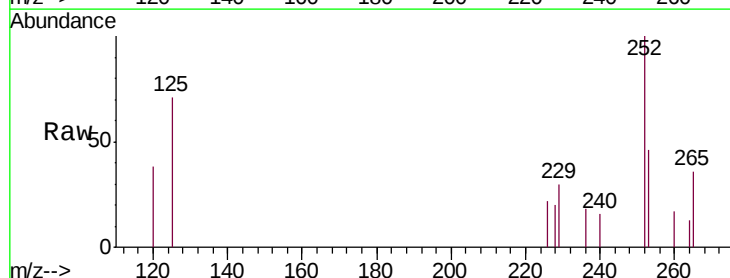
Tgt Ion:252 Resp: 1224

Ion Ratio Lower Upper

252 100

253 46.0 28.5 42.7#

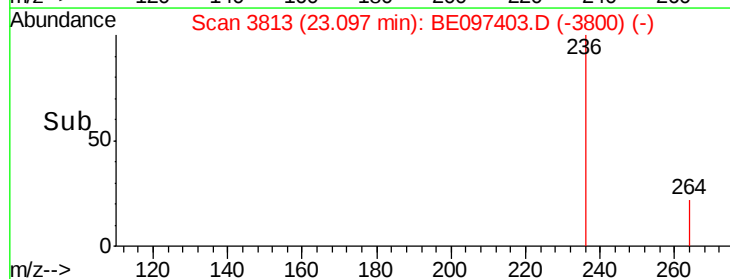
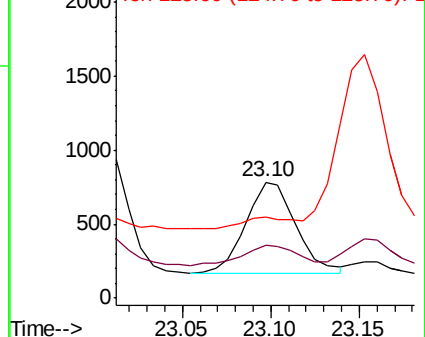
125 70.6 18.1 27.1#

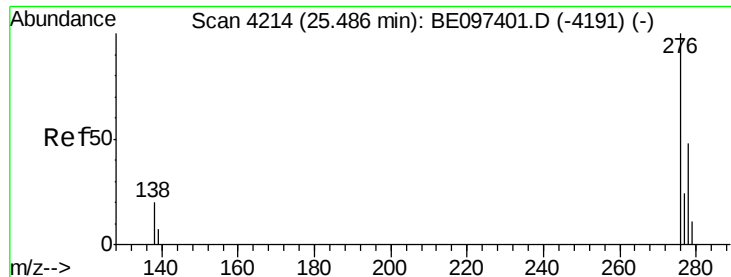


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.049 ng/ul

RT: 25.49 min Scan# 4214

Delta R.T. -0.00 min

Lab File: BE097403.D

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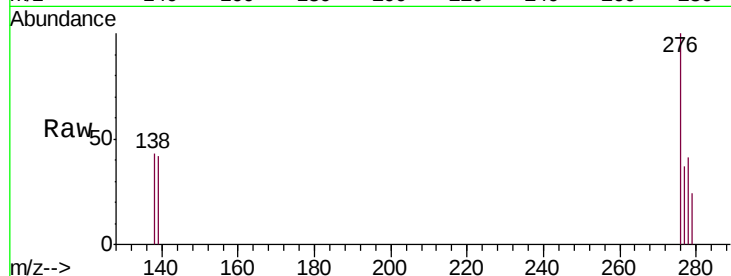
Tgt Ion:276 Resp: 1475

Ion Ratio Lower Upper

276 100

138 39.1 28.0 42.0

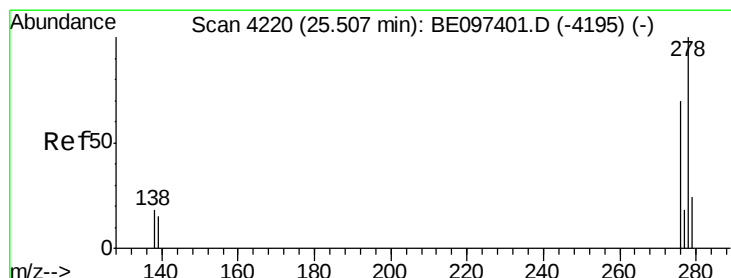
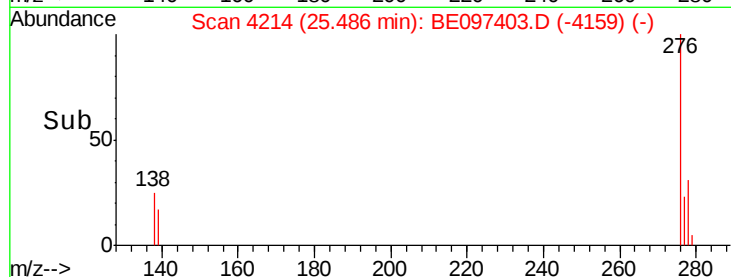
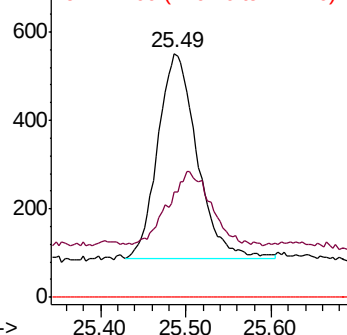
227 0.0 8.0 12.0#



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: 0.032 ng/ul

RT: 25.51 min Scan# 4220

Delta R.T. -0.01 min

Lab File: BE097403.D

Acq: 31 Aug 2018 13:19

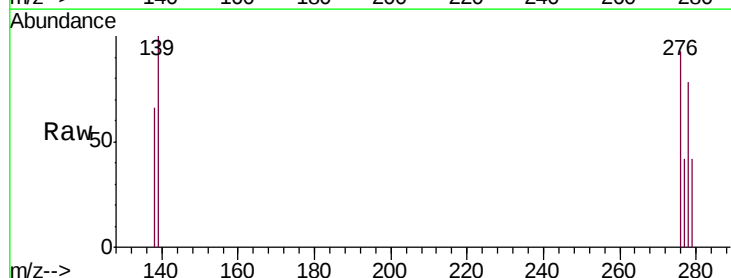
Tgt Ion:278 Resp: 820

Ion Ratio Lower Upper

278 100

139 128.1 17.4 26.0#

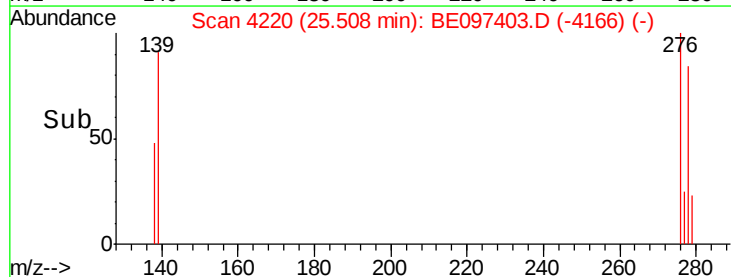
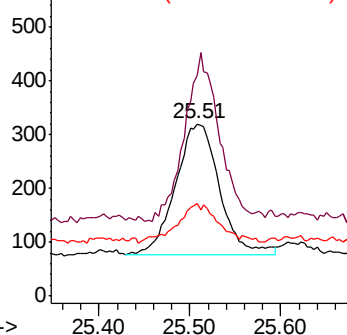
279 53.8 25.9 38.9#

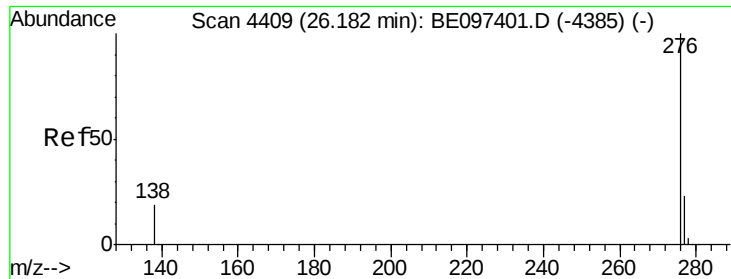


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.058 ng/ul

RT: 26.19 min Scan# 4410

Delta R.T. -0.01 min

Lab File: BE097403.D

Acq: 31 Aug 2018 13:19

Instrument :

BNA_E

ClientSampleId :

A3Z29MS

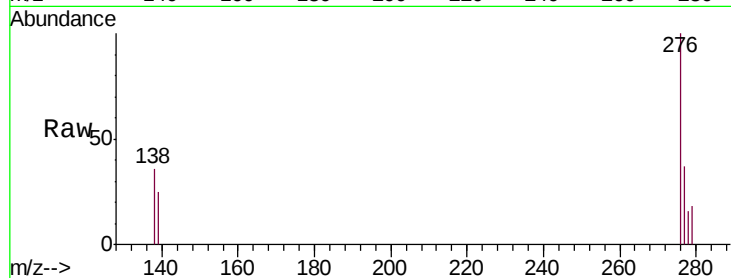
Tgt Ion: 276 Resp: 1497

Ion Ratio Lower Upper

276 100

138 35.5 21.8 32.8#

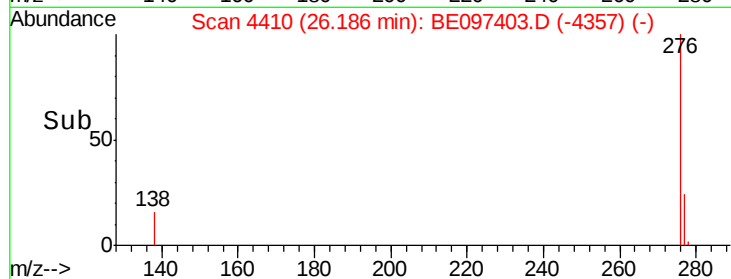
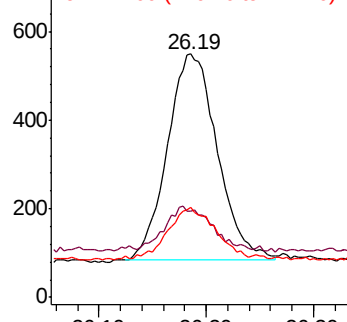
277 37.0 20.5 30.7#



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



Time-->