

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE081718\
 Data File : BE097292.D
 Acq On : 17 Aug 2018 11:39
 Operator : SJ/JU
 Sample : SST00.403
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 17 12:20:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE081718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 17 12:19:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	944	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	4809	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.02	164	2510	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	5742	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	4916	0.40	ng/ul	0.00
20) Perylene-d12	23.22	264	4490	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	3063	0.40	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	5921	0.30	ng/ul	0.00

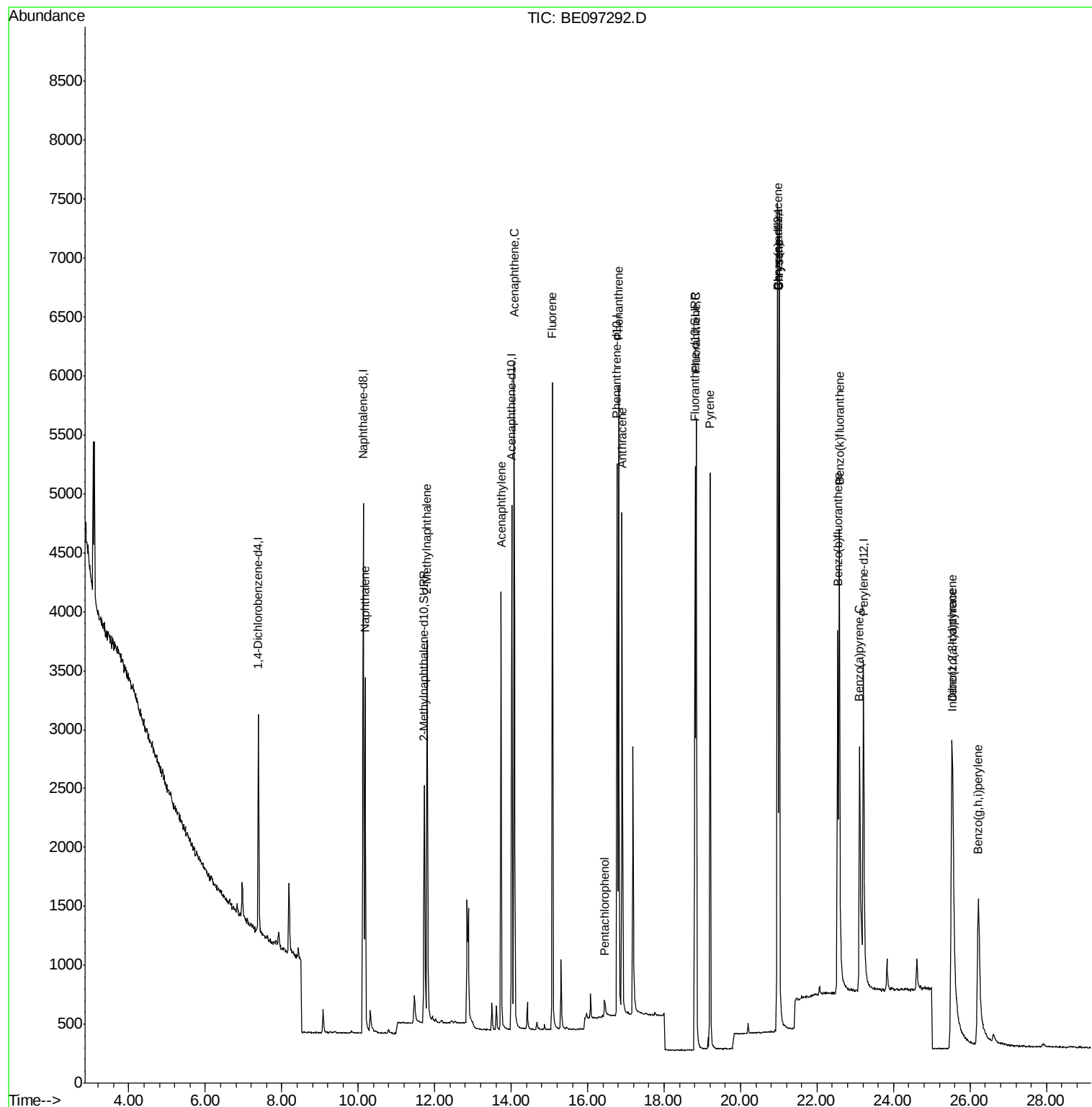
Target Compounds				Ovalue		
3) Naphthalene	10.18	128	4666	0.401	ng/ul#	93
5) 2-Methylnaphthalene	11.80	142	3041	0.395	ng/ul	99
7) Acenaphthylene	13.73	152	4499	0.415	ng/ul	97
8) Acenaphthene	14.08	153	3297	0.420	ng/ul#	87
9) Fluorene	15.08	166	3542	0.392	ng/ul	91
11) Pentachlorophenol	16.45	266	130	0.158	ng/ul	95
12) Phenanthrene	16.81	178	5807	0.397	ng/ul#	89
13) Anthracene	16.90	178	4826	0.353	ng/ul#	92
15) Fluoranthene	18.84	202	6143	0.317	ng/ul	86
17) Pyrene	19.20	202	5851	0.444	ng/ul#	81
18) Benzo(a)anthracene	20.96	228	4764	0.339	ng/ul#	86
19) Chrysene	21.01	228	5726	0.396	ng/ul	96
21) Benzo(b)fluoranthene	22.54	252	4679	0.382	ng/ul	86
22) Benzo(k)fluoranthene	22.58	252	5753	0.436	ng/ul	90
23) Benzo(a)pyrene	23.11	252	4225	0.345	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.52	276	5651	0.369	ng/ul#	76
25) Dibenzo(a,h)anthracene	25.55	278	4603	0.367	ng/ul	94
26) Benzo(g,h,i)perylene	26.22	276	4410	0.333	ng/ul	95

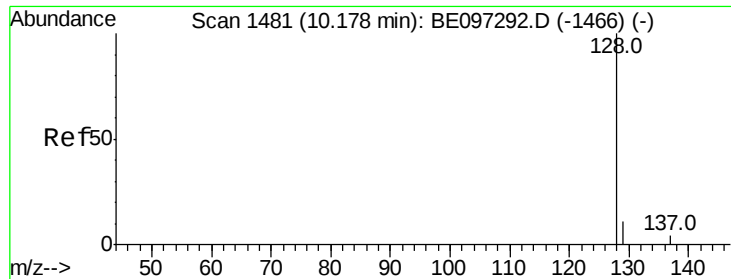
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.401 ng/ul

RT: 10.18 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE097292.D

Acq: 17 Aug 2018 11:39

Instrument :

BNA_E

ClientSampleId :

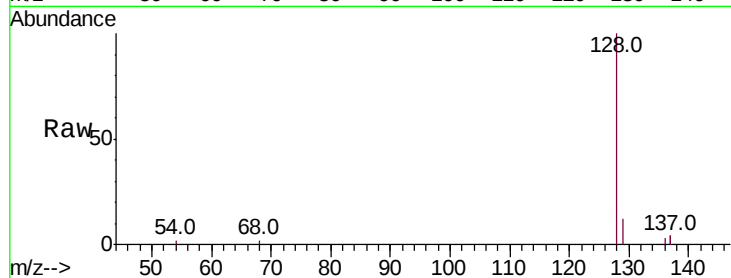
Tot Ion:128 Resp: 4666

Ion Ratio Lower Upper

128 100

129 12.4 11.3 16.9

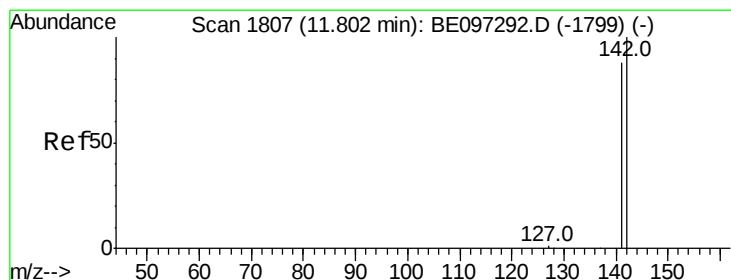
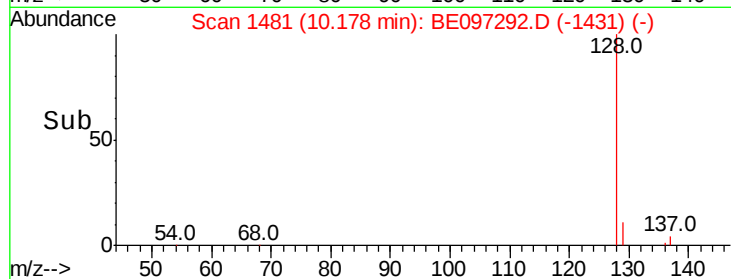
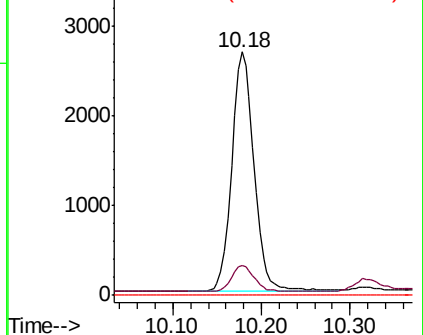
127 0.0 4.0 6.0#



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: 0.395 ng/ul

RT: 11.80 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BE097292.D

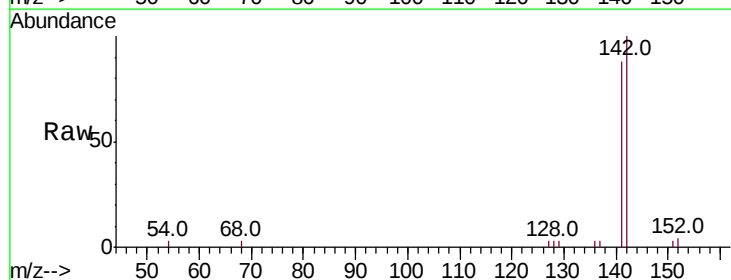
Acq: 17 Aug 2018 11:39

Tgt Ion:142 Resp: 3041

Ion Ratio Lower Upper

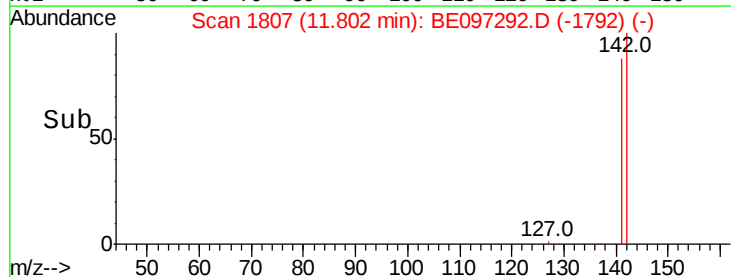
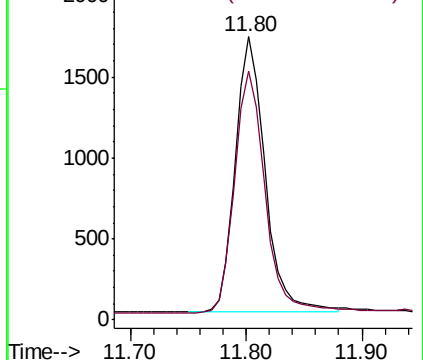
142 100

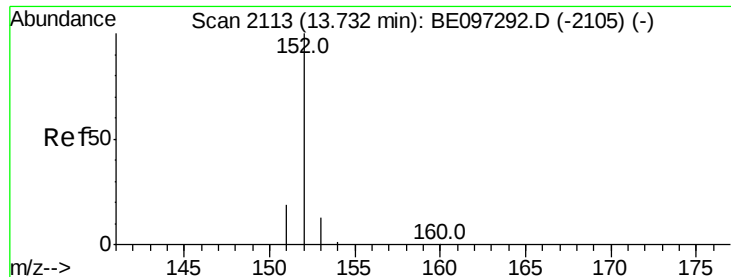
141 89.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.415 ng/ul

RT: 13.73 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE097292.D

Acq: 17 Aug 2018 11:39

Instrument :

BNA_E

ClientSampleId :

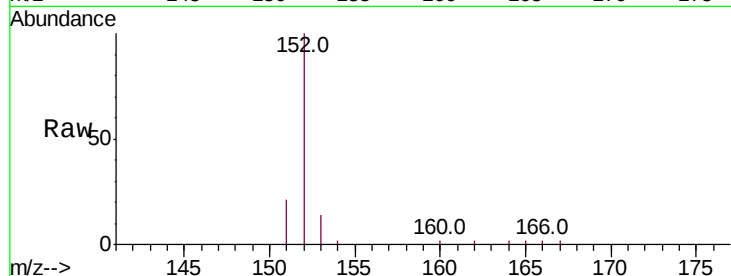
Tot Ion:152 Resp: 4499

Ion Ratio Lower Upper

152 100

151 20.8 17.1 25.7

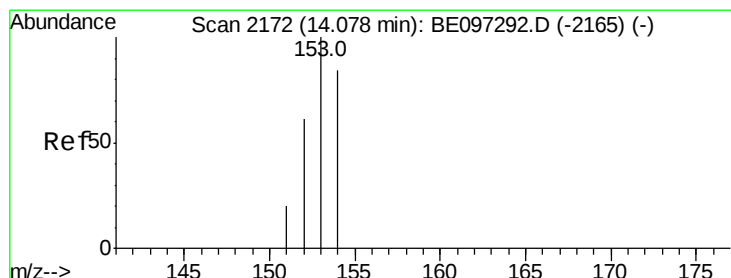
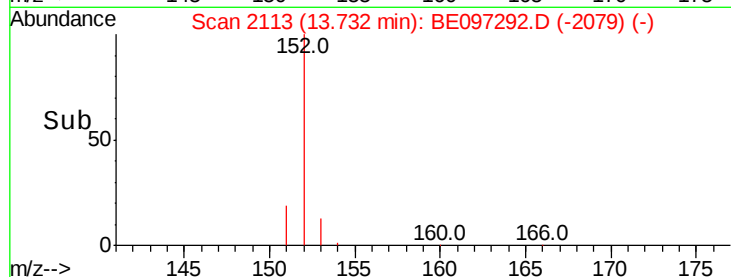
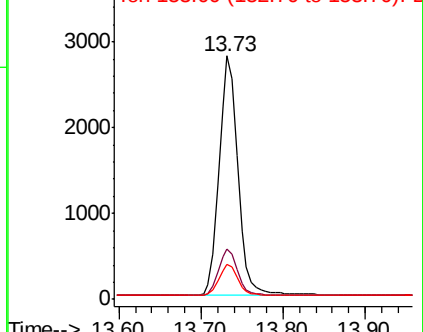
153 14.3 12.8 19.2



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



#8

Acenaphthene

Concen: 0.420 ng/ul

RT: 14.08 min Scan# 2172

Delta R.T. 0.00 min

Lab File: BE097292.D

Acq: 17 Aug 2018 11:39

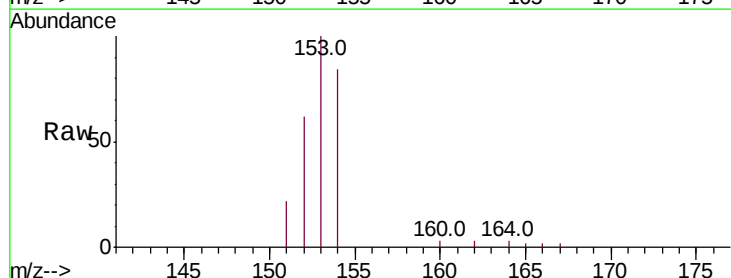
Tgt Ion:153 Resp: 3297

Ion Ratio Lower Upper

153 100

152 61.7 36.0 54.0#

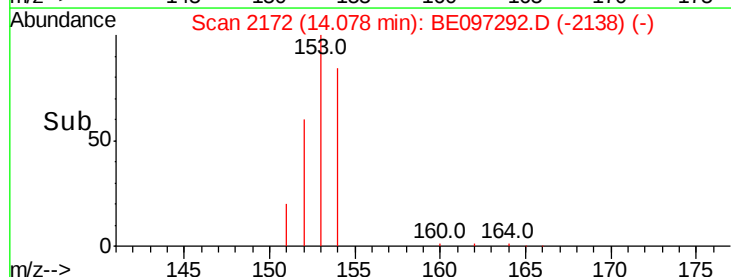
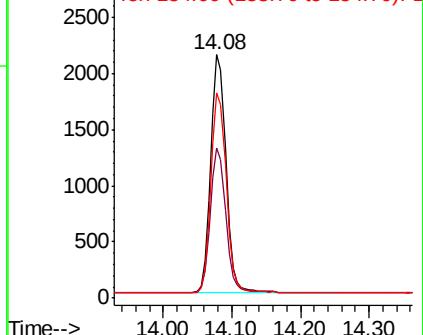
154 84.2 72.0 108.0

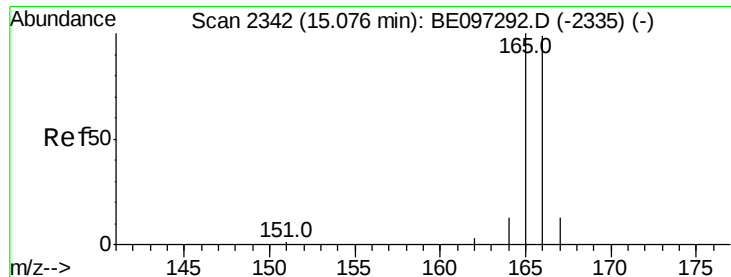


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.392 ng/ul

RT: 15.08 min Scan# 2342

Delta R.T. 0.00 min

Lab File: BE097292.D

Acq: 17 Aug 2018 11:39

Instrument :

BNA_E

ClientSampleId :

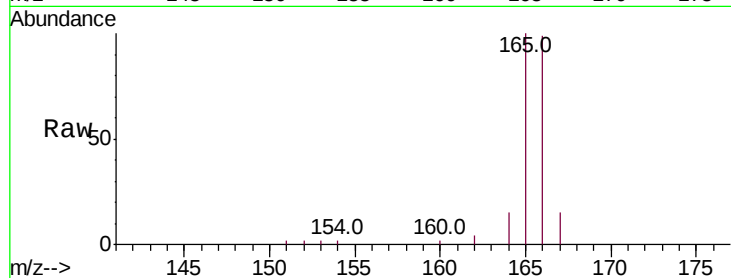
Tot Ion:166 Resp: 3542

Ion Ratio Lower Upper

166 100

165 100.7 73.4 110.2

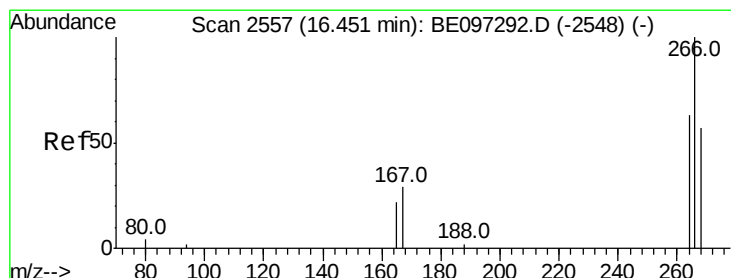
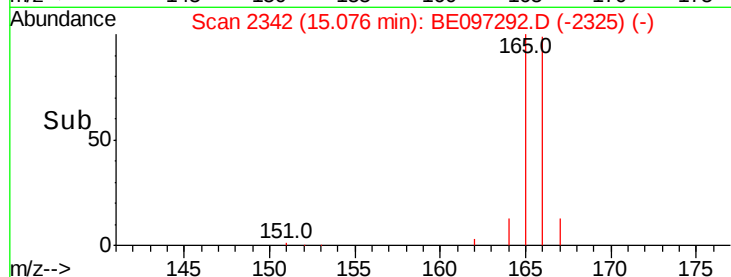
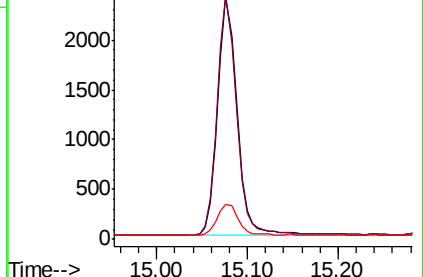
167 14.7 14.6 22.0



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: 0.158 ng/ul

RT: 16.45 min Scan# 2557

Delta R.T. 0.00 min

Lab File: BE097292.D

Acq: 17 Aug 2018 11:39

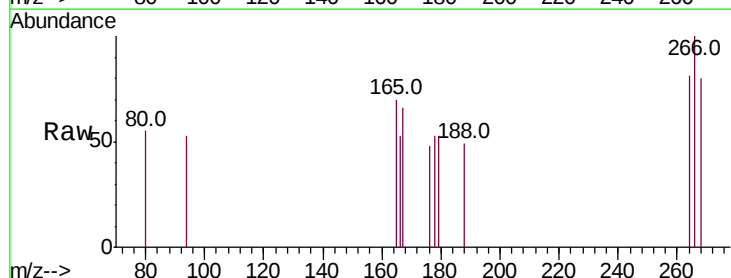
Tgt Ion:266 Resp: 130

Ion Ratio Lower Upper

266 100

264 64.6 47.9 71.9

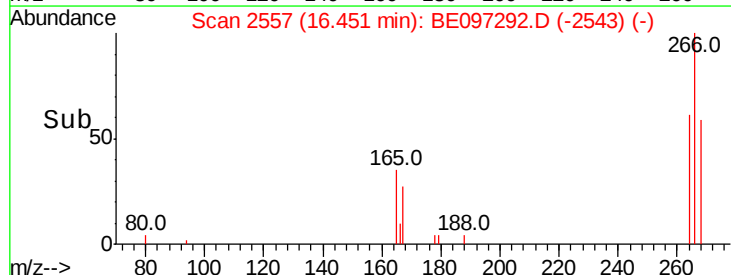
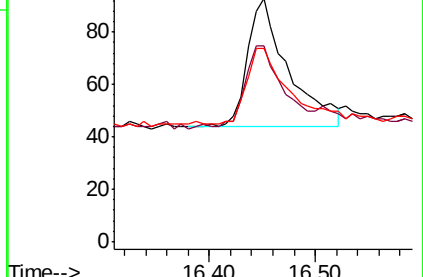
268 60.0 49.8 74.8

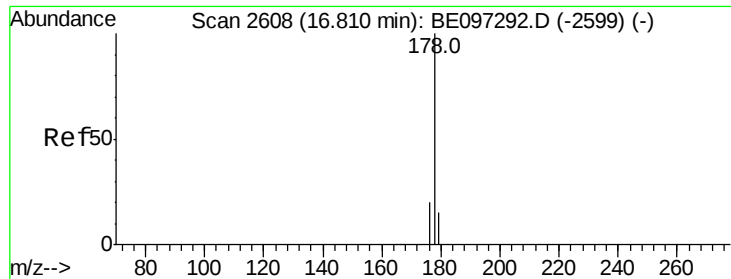


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

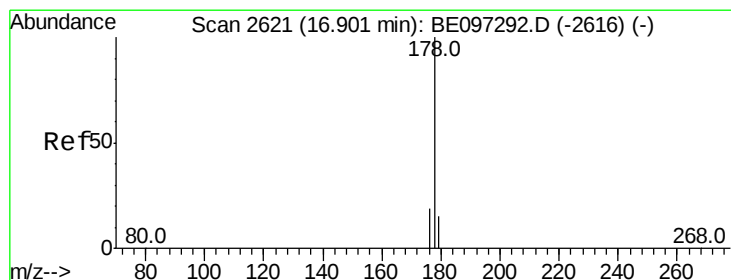
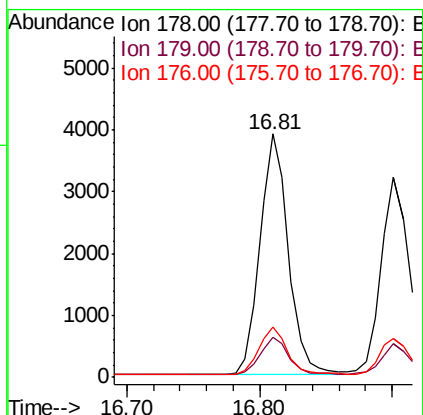
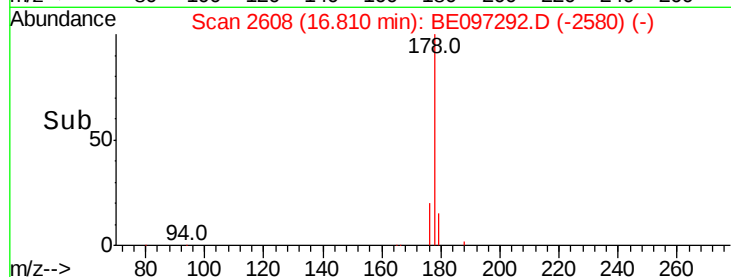
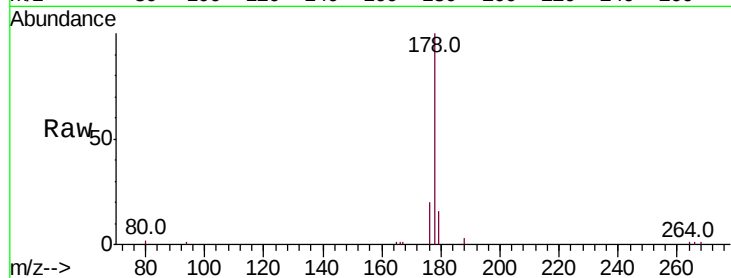




#12
Phenanthrene
Concen: 0.397 ng/ul
RT: 16.81 min Scan# 2608
Delta R.T. 0.00 min
Lab File: BE097292.D
Acq: 17 Aug 2018 11:39

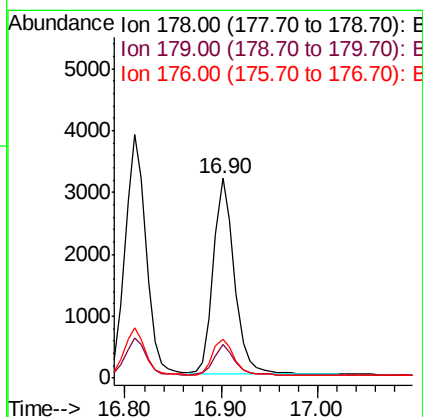
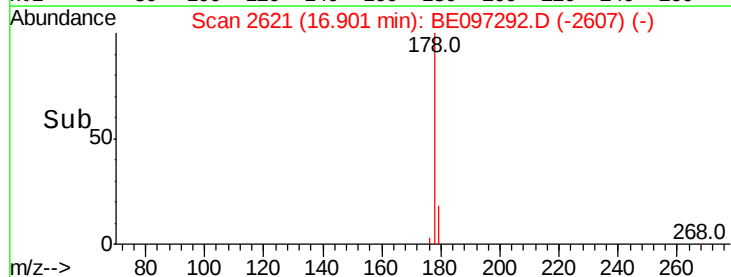
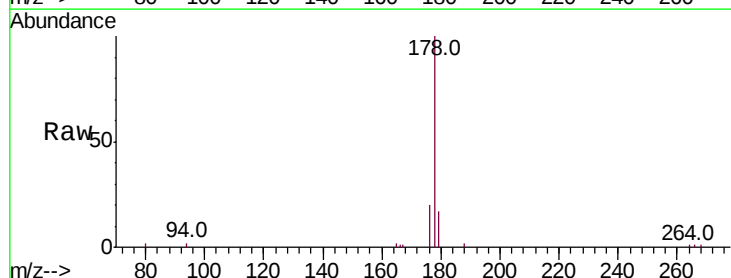
Instrument :
BNA_E
ClientSampled :

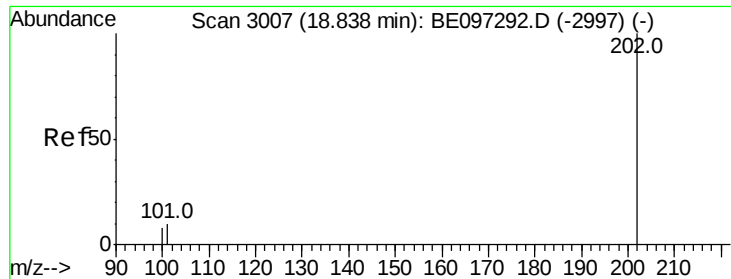
Tot Ion:178 Resp: 5807
Ion Ratio Lower Upper
178 100
179 16.5 18.4 27.6#
176 20.4 13.6 20.4#



#13
Anthracene
Concen: 0.353 ng/ul
RT: 16.90 min Scan# 2621
Delta R.T. 0.00 min
Lab File: BE097292.D
Acq: 17 Aug 2018 11:39

Tgt Ion:178 Resp: 4826
Ion Ratio Lower Upper
178 100
179 16.6 18.1 27.1#
176 19.8 14.7 22.1

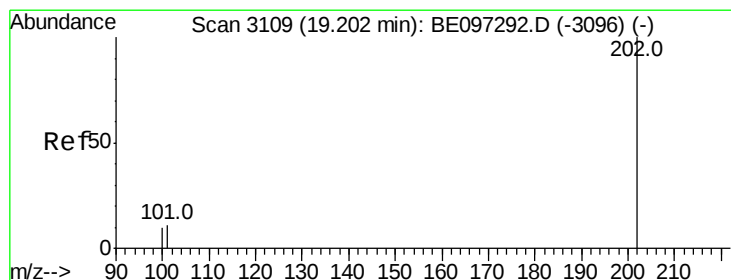
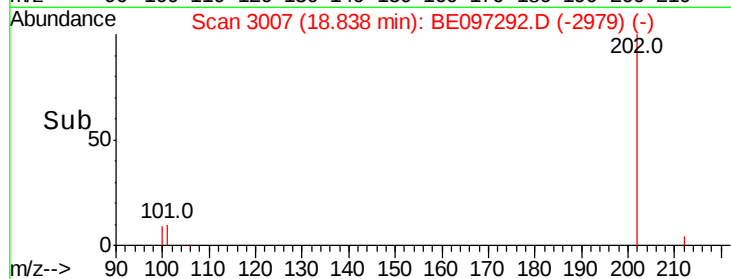
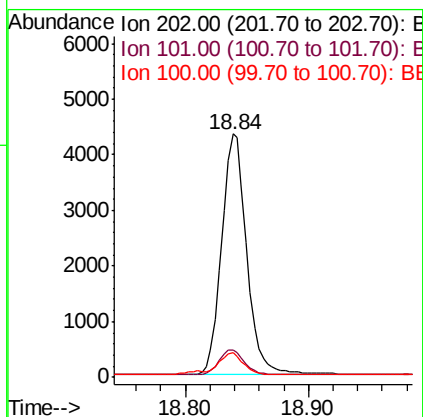
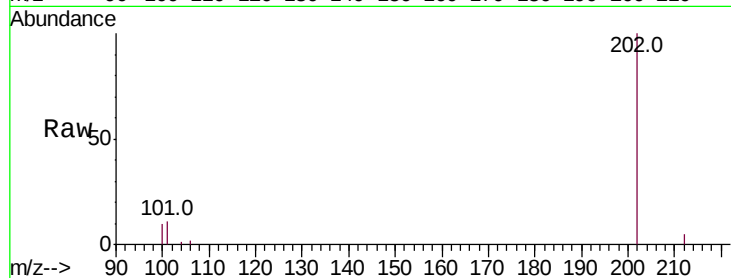




#15
Fluoranthene
 Concen: 0.317 ng/ul
 RT: 18.84 min Scan# 3007
 Delta R.T. 0.00 min
 Lab File: BE097292.D
 Acq: 17 Aug 2018 11:39

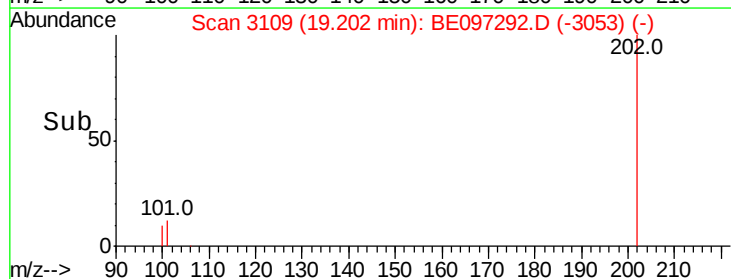
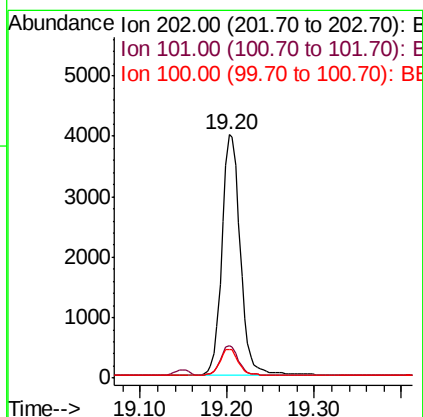
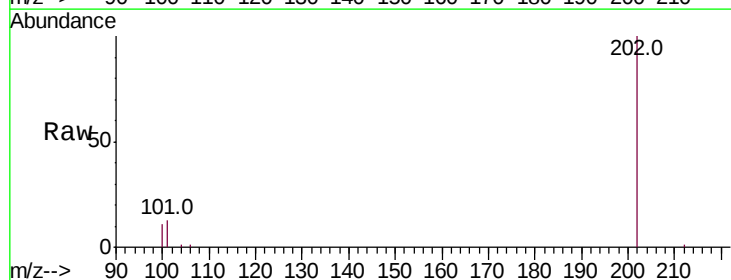
Instrument :
 BNA_E
 ClientSampleId :

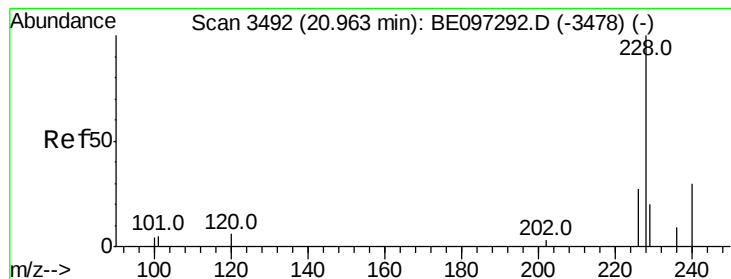
Tot Ion:202 Resp: 6143
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 30.3
 100 10.0 0.0 39.5



#17
Pyrene
 Concen: 0.444 ng/ul
 RT: 19.20 min Scan# 3109
 Delta R.T. 0.00 min
 Lab File: BE097292.D
 Acq: 17 Aug 2018 11:39

Tgt Ion:202 Resp: 5851
 Ion Ratio Lower Upper
 202 100
 101 13.4 18.2 27.4#
 100 11.5 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.339 ng/ul

RT: 20.96 min Scan# 3492

Delta R.T. 0.00 min

Lab File: BE097292.D

Acq: 17 Aug 2018 11:39

Instrument :

BNA_E

ClientSampleId :

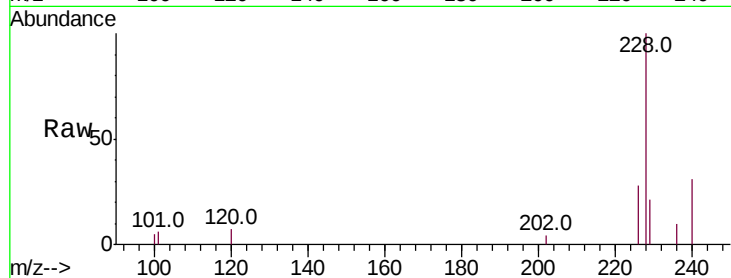
Tot Ion:228 Resp: 4764

Ion Ratio Lower Upper

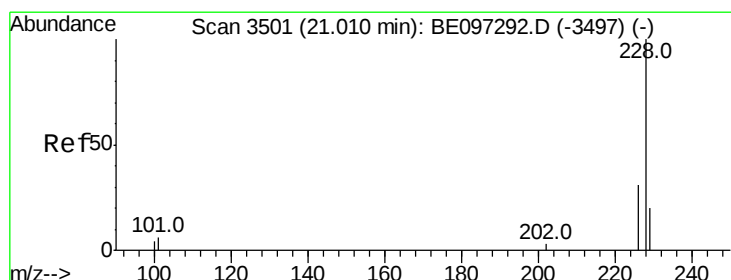
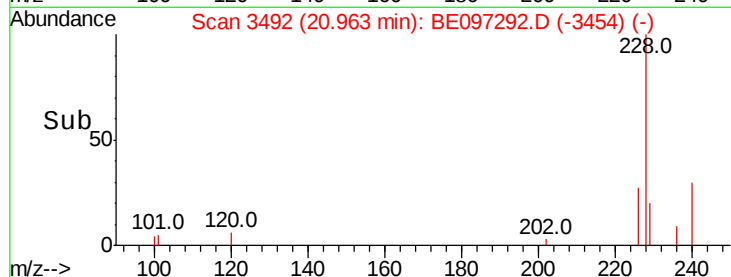
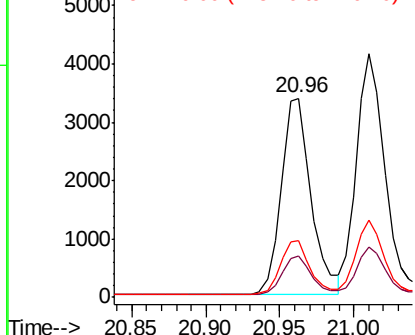
228 100

229 21.1 22.8 34.2#

226 28.2 17.0 25.6#



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: 0.396 ng/ul

RT: 21.01 min Scan# 3501

Delta R.T. 0.00 min

Lab File: BE097292.D

Acq: 17 Aug 2018 11:39

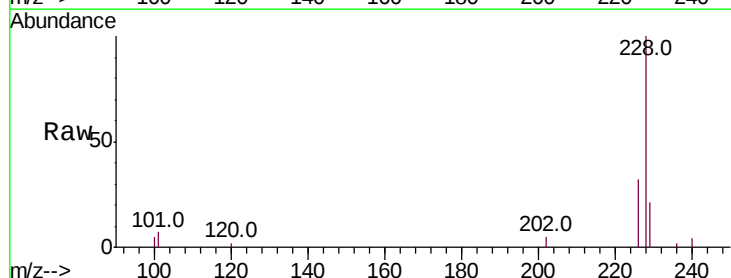
Tgt Ion:228 Resp: 5726

Ion Ratio Lower Upper

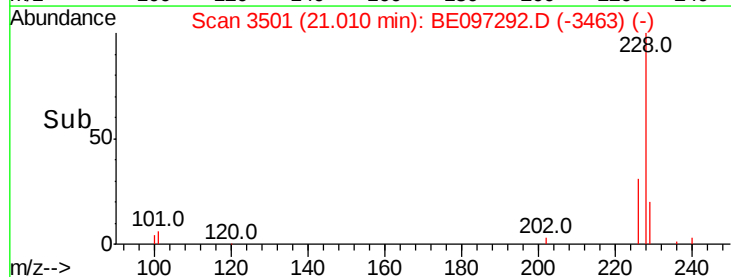
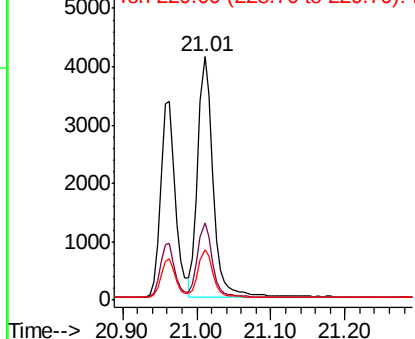
228 100

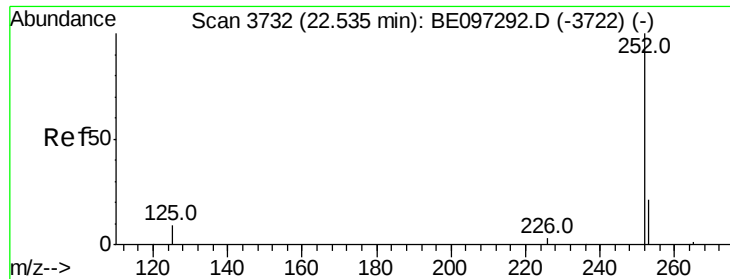
226 31.8 23.4 35.0

229 20.7 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: 0.382 ng/ul

RT: 22.54 min Scan# 3732

Delta R.T. 0.00 min

Lab File: BE097292.D

Acq: 17 Aug 2018 11:39

Instrument :

BNA_E

ClientSampleId :

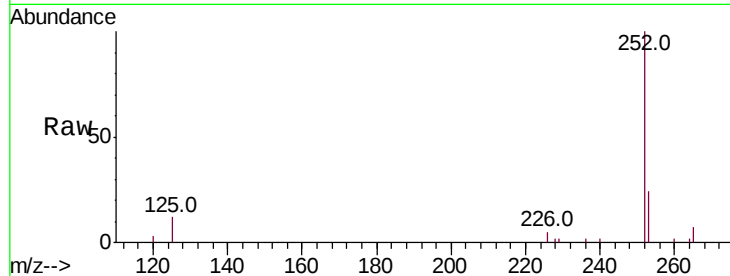
Tot Ion:252 Resp: 4679

Ion Ratio Lower Upper

252 100

253 23.6 0.0 64.2

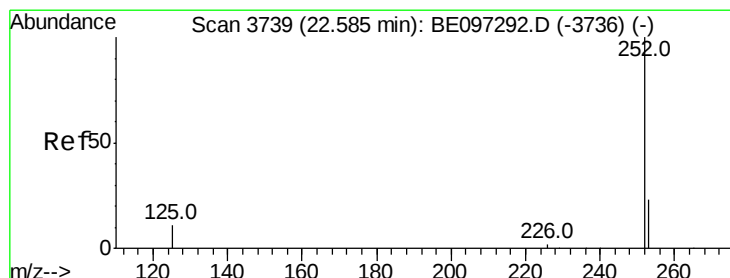
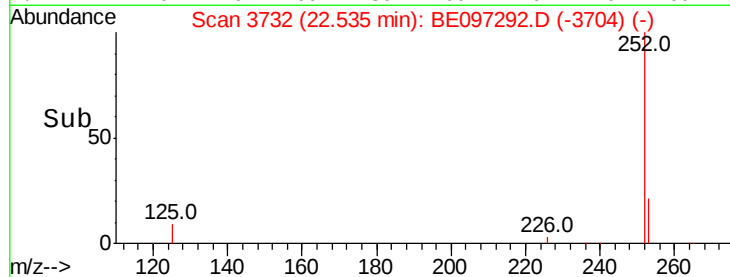
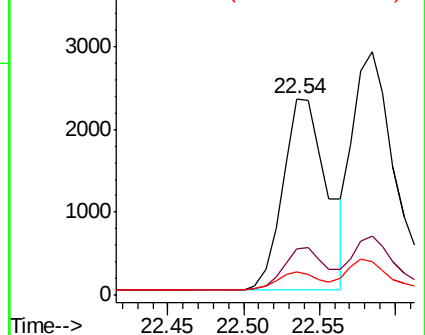
125 11.8 0.0 35.0



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: 0.436 ng/ul

RT: 22.58 min Scan# 3739

Delta R.T. 0.00 min

Lab File: BE097292.D

Acq: 17 Aug 2018 11:39

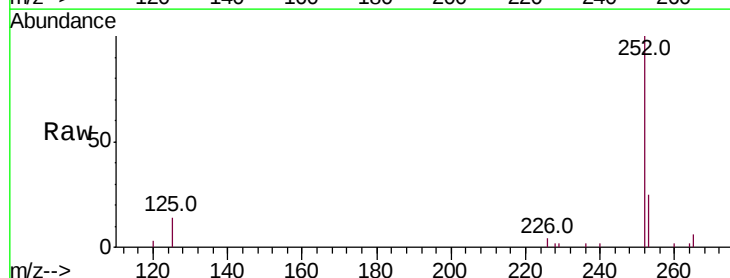
Tgt Ion:252 Resp: 5753

Ion Ratio Lower Upper

252 100

253 24.6 24.5 36.7

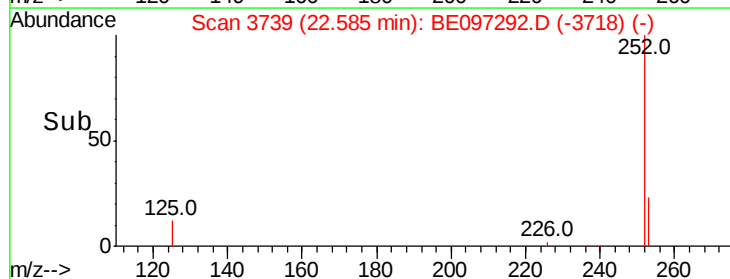
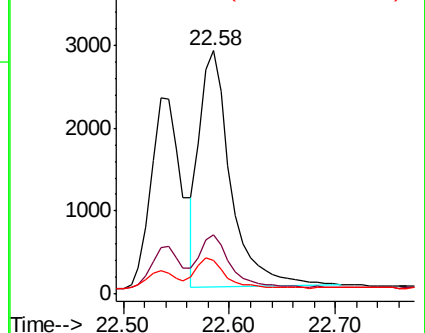
125 13.8 13.7 20.5

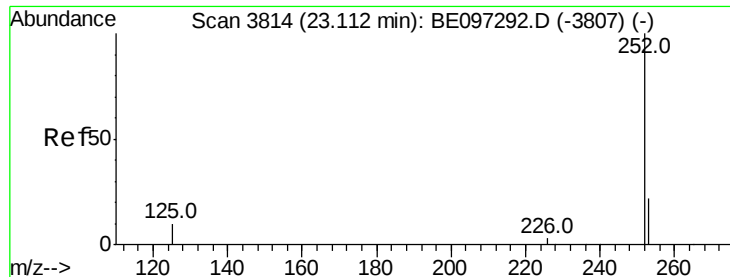


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.345 ng/ul

RT: 23.11 min Scan# 3814

Delta R.T. 0.00 min

Lab File: BE097292.D

Acq: 17 Aug 2018 11:39

Instrument :

BNA_E

ClientSampleId :

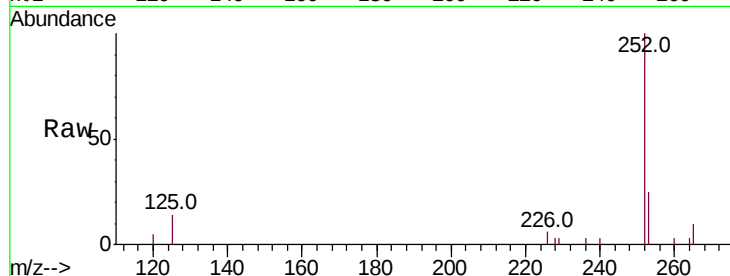
Tot Ion:252 Resp: 4225

Ion Ratio Lower Upper

252 100

253 25.3 28.5 42.7#

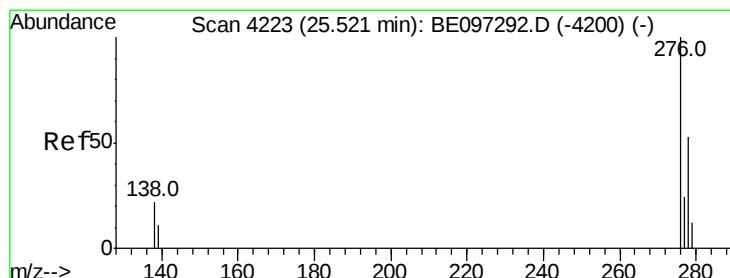
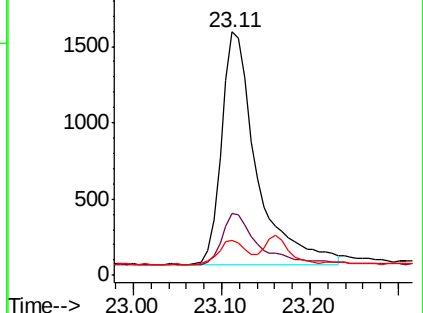
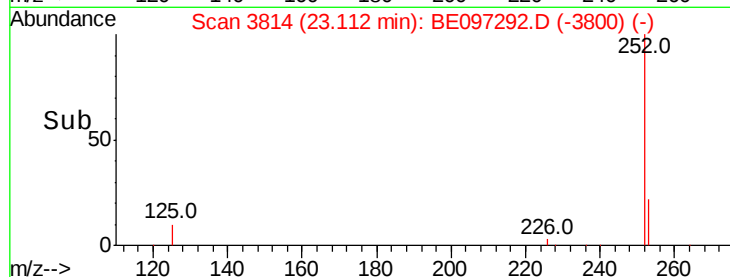
125 14.3 18.1 27.1#



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: 0.369 ng/ul

RT: 25.52 min Scan# 4223

Delta R.T. 0.00 min

Lab File: BE097292.D

Acq: 17 Aug 2018 11:39

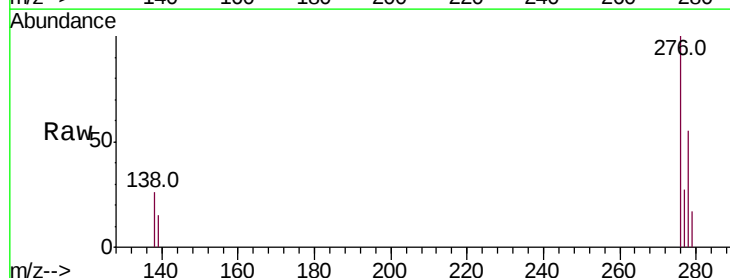
Tgt Ion:276 Resp: 5651

Ion Ratio Lower Upper

276 100

138 21.9 28.0 42.0#

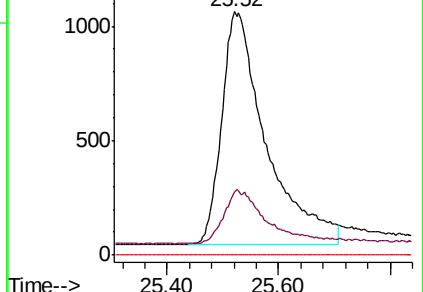
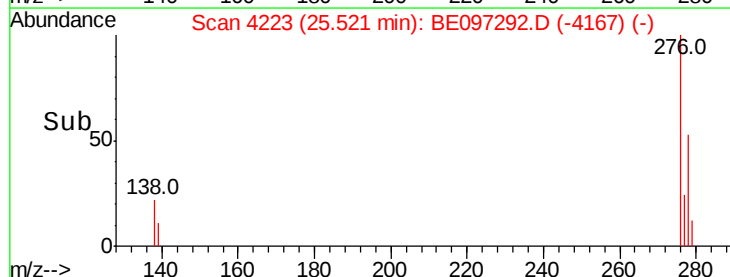
227 0.0 8.0 12.0#

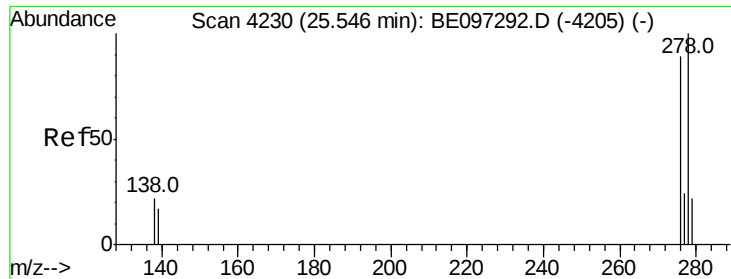


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

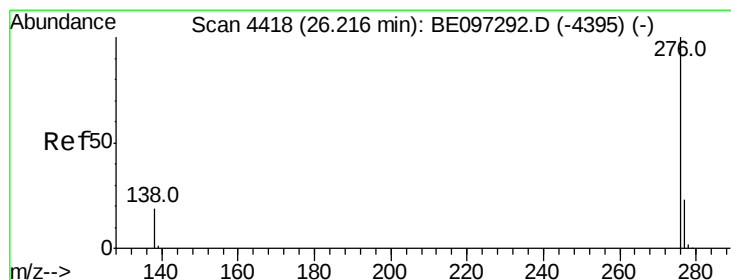
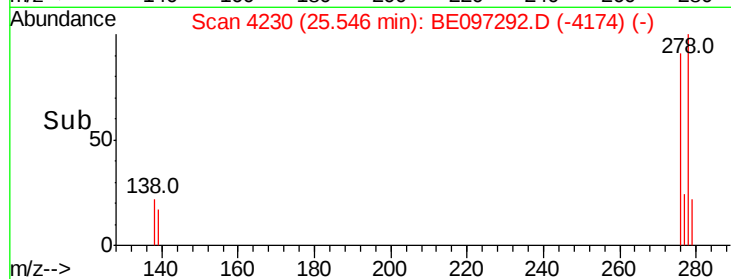
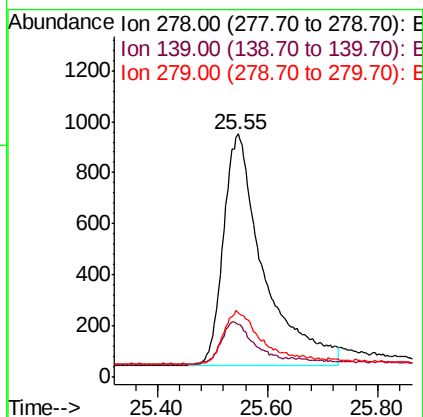
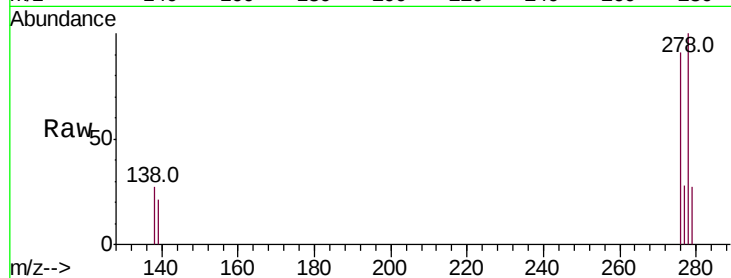




#25
Dibenzo(a,h)anthracene
Concen: 0.367 ng/ul
RT: 25.55 min Scan# 4230
Delta R.T. 0.00 min
Lab File: BE097292.D
Acq: 17 Aug 2018 11:39

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 4603
Ion Ratio Lower Upper
278 100
139 21.4 17.4 26.0
279 26.6 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.333 ng/ul
RT: 26.22 min Scan# 4418
Delta R.T. 0.00 min
Lab File: BE097292.D
Acq: 17 Aug 2018 11:39

Tgt Ion:276 Resp: 4410
Ion Ratio Lower Upper
276 100
138 23.6 21.8 32.8
277 27.1 20.5 30.7

