

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE081718\
 Data File : BE097290.D
 Acq On : 17 Aug 2018 10:22
 Operator : SJ/JU
 Sample : SST00.101
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 17 12:19:59 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

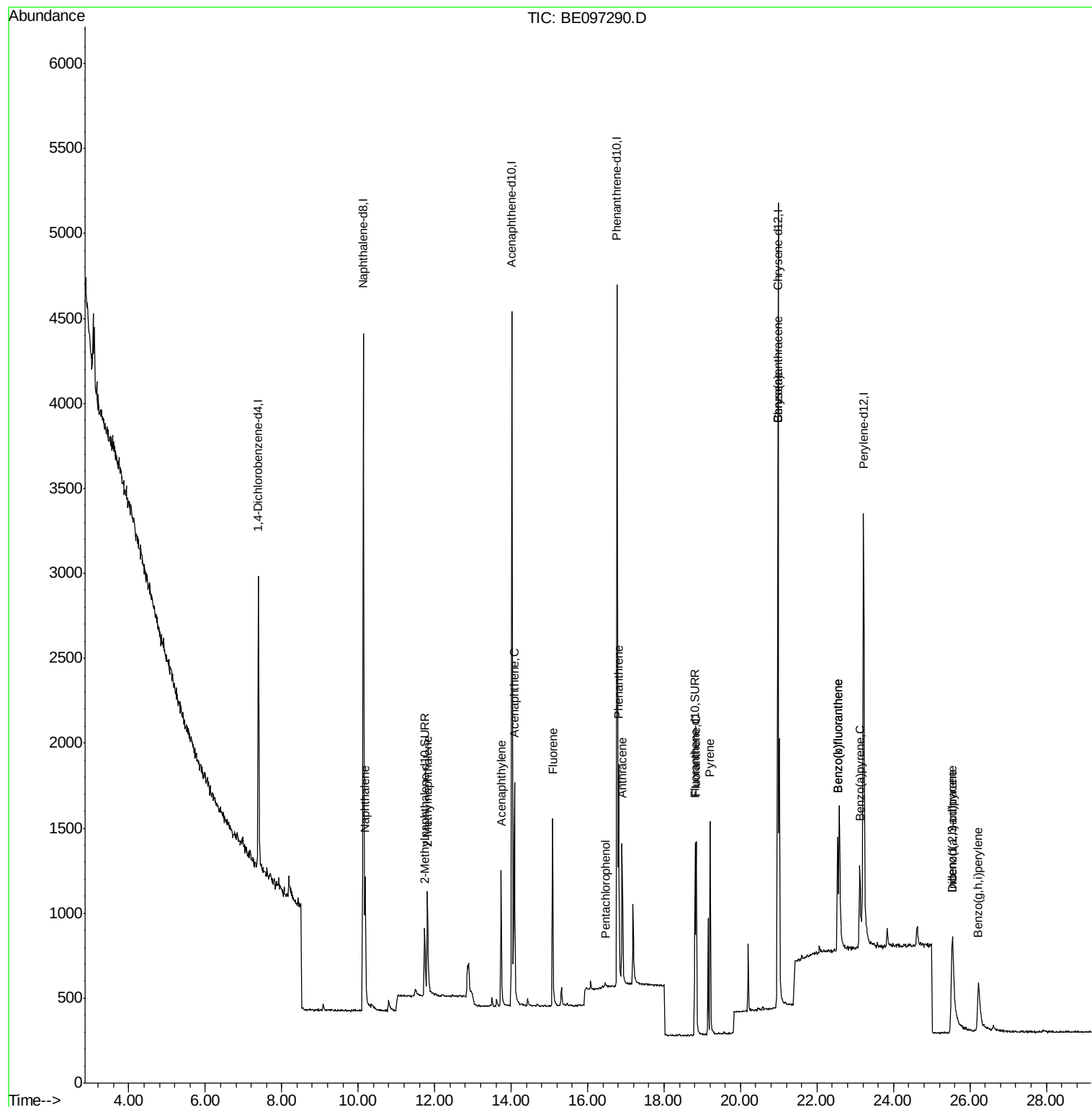
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	918	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	4706	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.02	164	2448	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	5601	0.40	ng/ul	0.00
16) Chrysene-d12	20.98	240	4547	0.40	ng/ul	0.00
20) Perylene-d12	23.22	264	4320	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.74	152	741	0.10	ng/ul	0.01
14) Fluoranthene-d10	18.81	212	1378	0.07	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.18	128	1146	0.101	ng/ul#	91
5) 2-Methylnaphthalene	11.81	142	684	0.091	ng/ul	99
7) Acenaphthylene	13.74	152	1094	0.103	ng/ul	93
8) Acenaphthene	14.09	153	777	0.102	ng/ul#	89
9) Fluorene	15.08	166	822	0.093	ng/ul	91
11) Pentachlorophenol	16.45	266	25	0.031	ng/ul#	78
12) Phenanthrene	16.81	178	1402	0.098	ng/ul#	90
13) Anthracene	16.90	178	1075	0.081	ng/ul#	93
15) Fluoranthene	18.84	202	1373	0.073	ng/ul	86
17) Pyrene	19.21	202	1500	0.123	ng/ul#	86
18) Benzo(a)anthracene	20.96	228	1081	0.083	ng/ul#	87
19) Chrysene	20.96	228	1081	0.081	ng/ul	97
21) Benzo(b)fluoranthene	22.54	252	979	0.083	ng/ul	96
22) Benzo(k)fluoranthene	22.54	252	979	0.077	ng/ul	97
23) Benzo(a)pyrene	23.12	252	1005	0.085	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.54	276	1251	0.085	ng/ul#	78
25) Dibenzo(a,h)anthracene	25.55	278	974	0.081	ng/ul#	76
26) Benzo(g,h,i)perylene	26.22	276	1009	0.079	ng/ul#	82

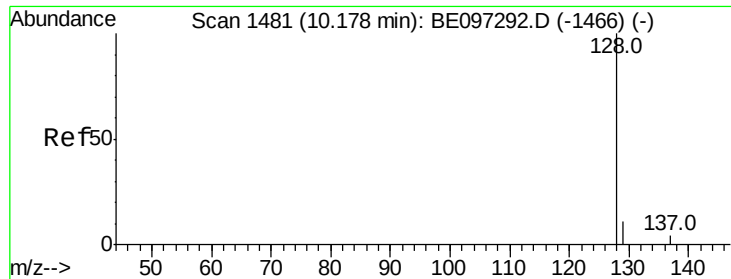
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.101 ng/ul

RT: 10.18 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE097290.D

Acq: 17 Aug 2018 10:22

Instrument :

BNA_E

ClientSampleId :

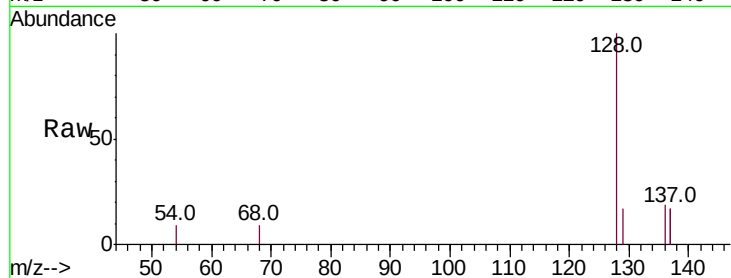
Tot Ion:128 Resp: 1146

Ion Ratio Lower Upper

128 100

129 17.0 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

10.18

800

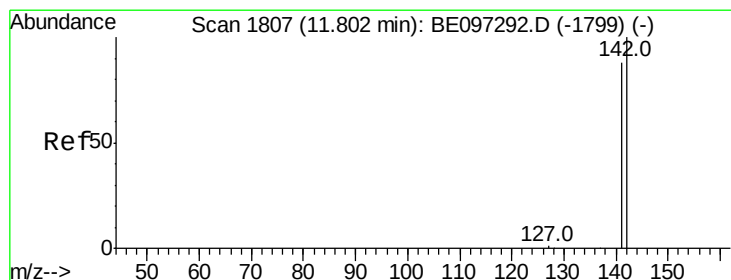
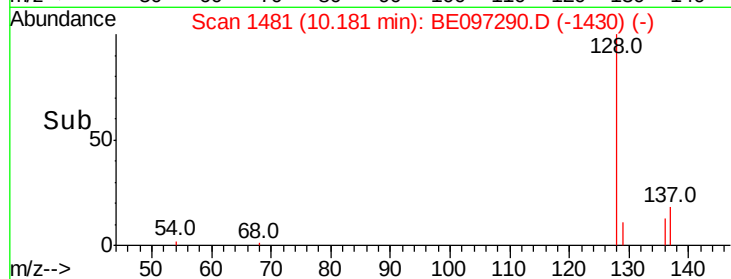
600

400

200

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.091 ng/ul

RT: 11.81 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BE097290.D

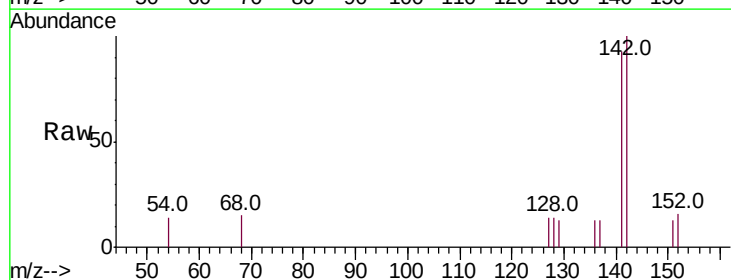
Acq: 17 Aug 2018 10:22

Tgt Ion:142 Resp: 684

Ion Ratio Lower Upper

142 100

141 89.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.81

400

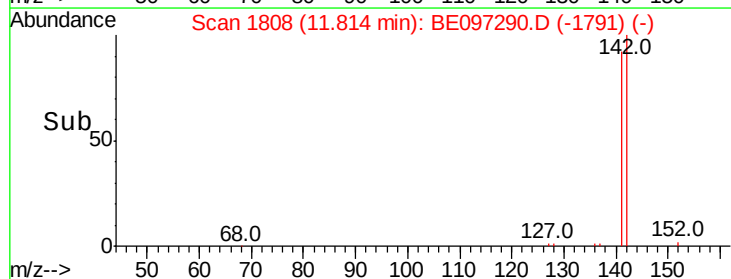
300

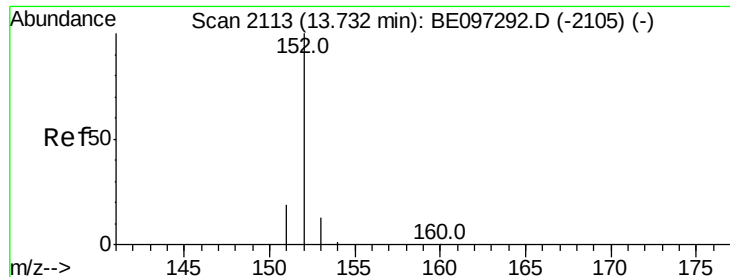
200

100

0

Time-->





#7

Acenaphthylene

Concen: 0.103 ng/ul

RT: 13.74 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BE097290.D

Acq: 17 Aug 2018 10:22

Instrument :

BNA_E

ClientSampleId :

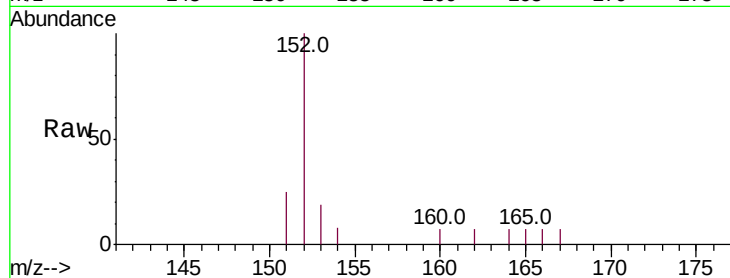
Tot Ion:152 Resp: 1094

Ion Ratio Lower Upper

152 100

151 24.7 17.1 25.7

153 18.8 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

800

600

400

200

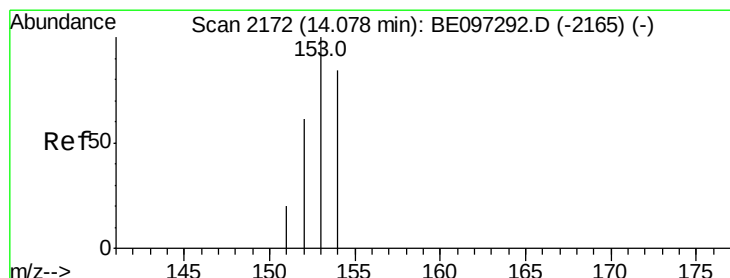
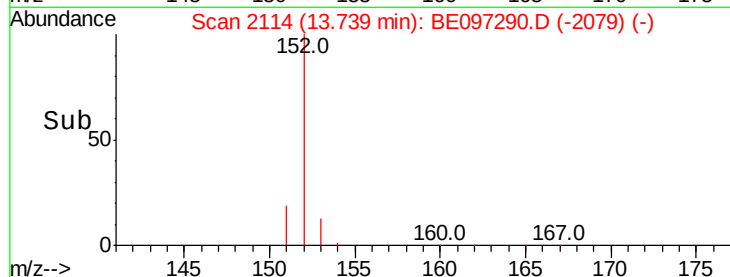
0

13.60

13.74

13.80

Time-->



#8

Acenaphthene

Concen: 0.102 ng/ul

RT: 14.09 min Scan# 2173

Delta R.T. 0.01 min

Lab File: BE097290.D

Acq: 17 Aug 2018 10:22

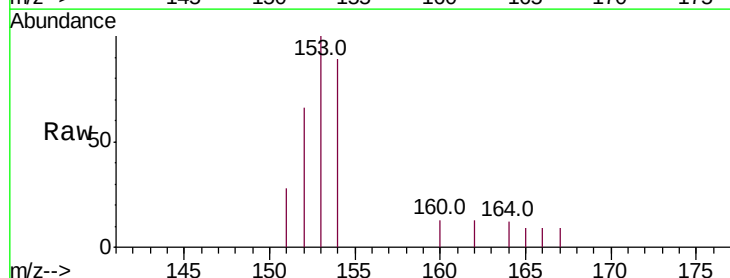
Tgt Ion:153 Resp: 777

Ion Ratio Lower Upper

153 100

152 66.1 36.0 54.0#

154 89.2 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

600

400

200

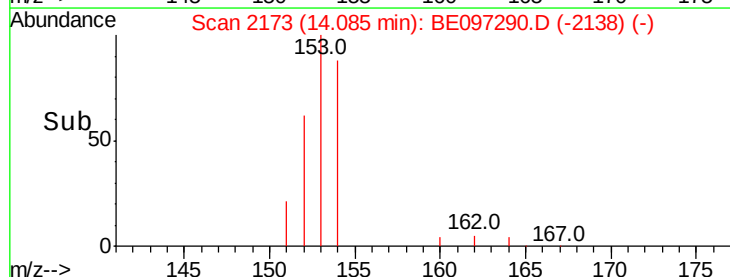
0

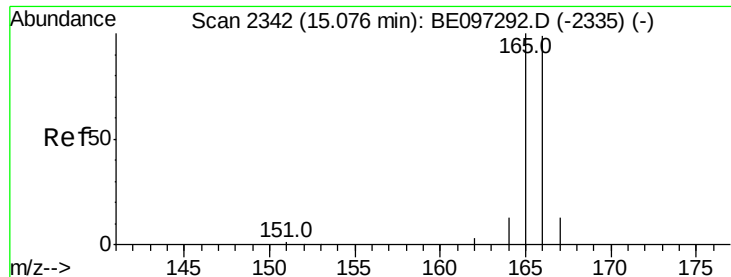
14.00

14.09

14.20

Time-->





#9

Fluorene

Concen: 0.093 ng/ul

RT: 15.08 min Scan# 2343

Delta R.T. 0.01 min

Lab File: BE097290.D

Acq: 17 Aug 2018 10:22

Instrument :

BNA_E

ClientSampleId :

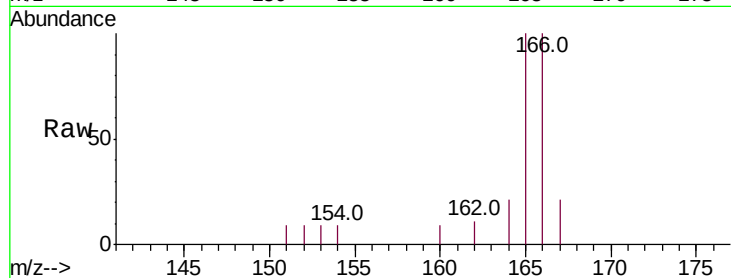
Tot Ion:166 Resp: 822

Ion Ratio Lower Upper

166 100

165 100.4 73.4 110.2

167 21.0 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

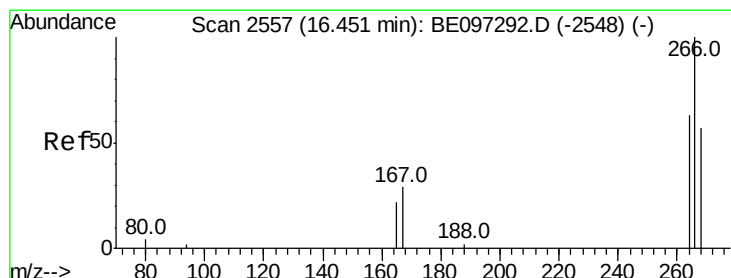
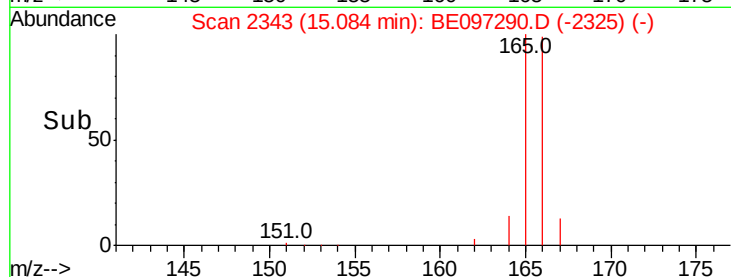
15.08

400

200

0

Time-->



#11

Pentachlorophenol

Concen: 0.031 ng/ul

RT: 16.45 min Scan# 2557

Delta R.T. 0.00 min

Lab File: BE097290.D

Acq: 17 Aug 2018 10:22

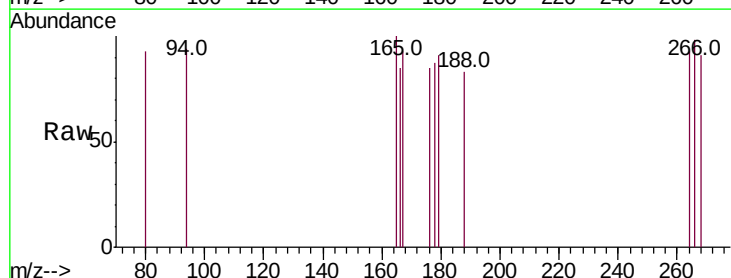
Tgt Ion:266 Resp: 25

Ion Ratio Lower Upper

266 100

264 68.0 47.9 71.9

268 88.0 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

16.45

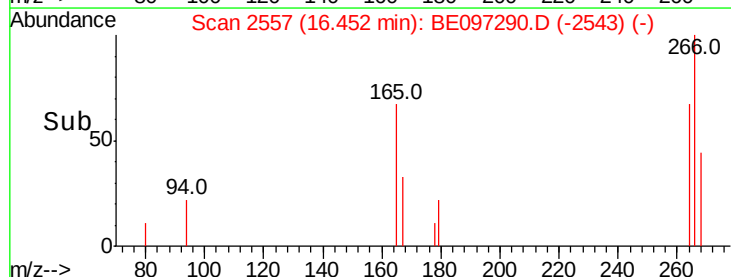
60

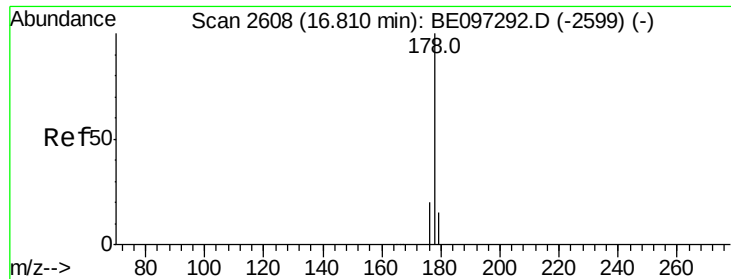
40

20

0

Time-->

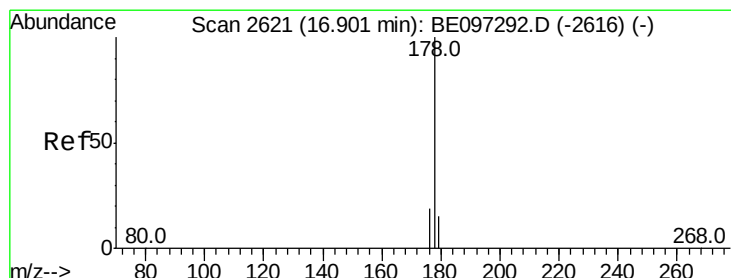
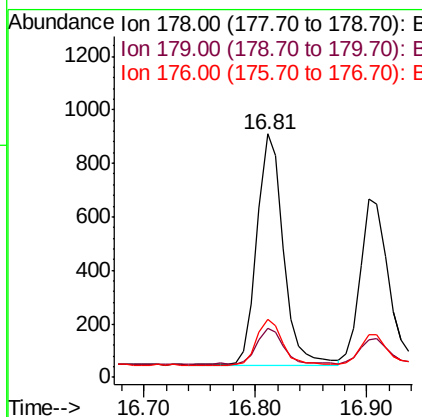
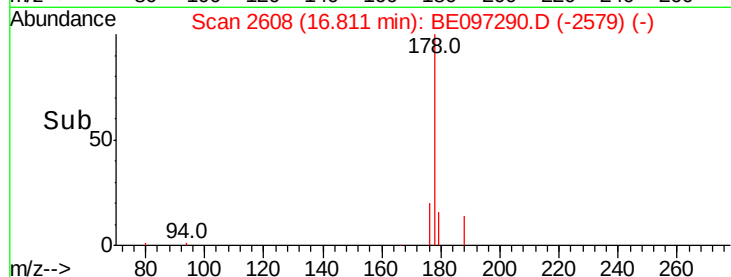
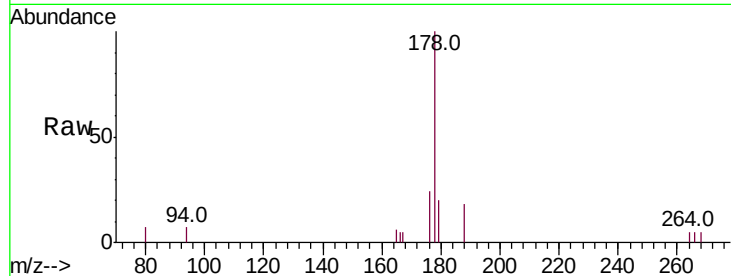




#12
Phenanthrene
Concen: 0.098 ng/ul
RT: 16.81 min Scan# 2608
Delta R.T. 0.00 min
Lab File: BE097290.D
Acq: 17 Aug 2018 10:22

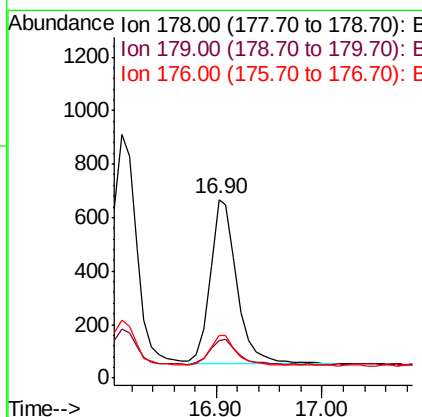
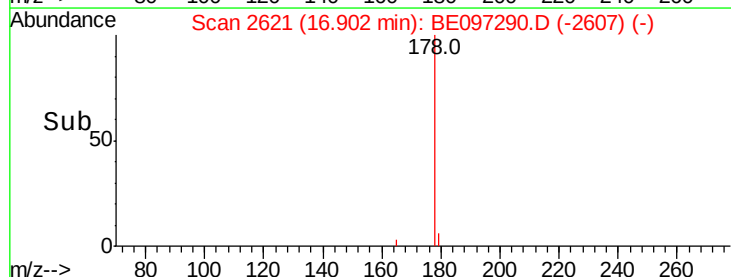
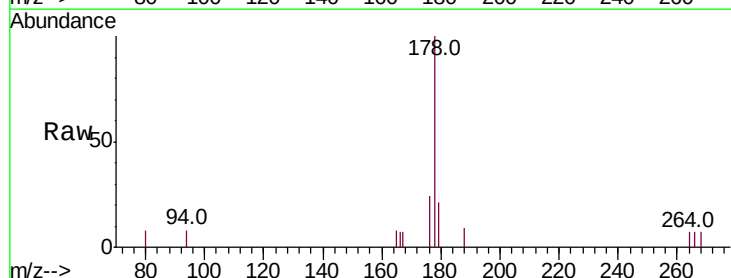
Instrument :
BNA_E
ClientSampleId :

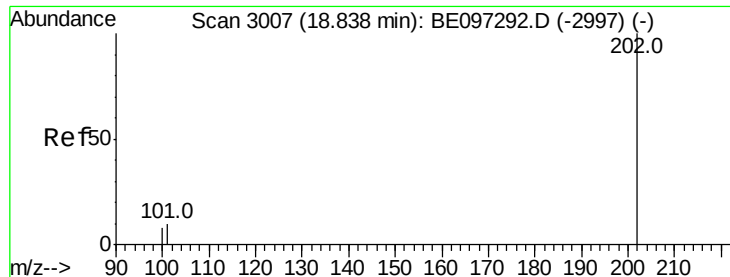
Tot Ion:178 Resp: 1402
Ion Ratio Lower Upper
178 100
179 20.2 18.4 27.6
176 24.0 13.6 20.4#



#13
Anthracene
Concen: 0.081 ng/ul
RT: 16.90 min Scan# 2621
Delta R.T. 0.00 min
Lab File: BE097290.D
Acq: 17 Aug 2018 10:22

Tgt Ion:178 Resp: 1075
Ion Ratio Lower Upper
178 100
179 21.3 18.1 27.1
176 24.0 14.7 22.1#





#15

Fluoranthene

Concen: 0.073 ng/ul

RT: 18.84 min Scan# 3008

Delta R.T. 0.00 min

Lab File: BE097290.D

Acq: 17 Aug 2018 10:22

Instrument :

BNA_E

ClientSampleId :

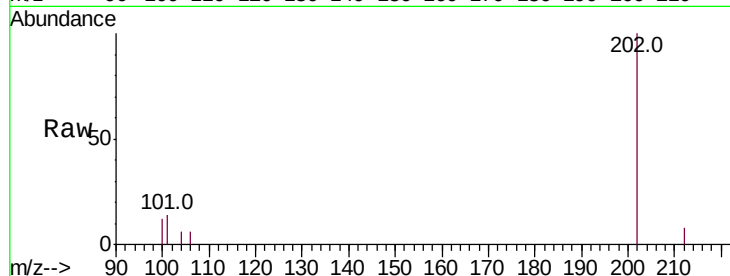
Tot Ion:202 Resp: 1373

Ion Ratio Lower Upper

202 100

101 14.0 0.0 30.3

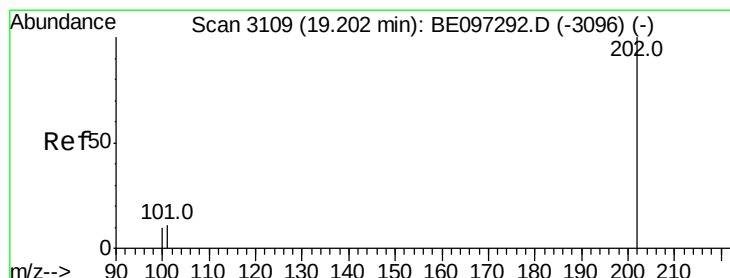
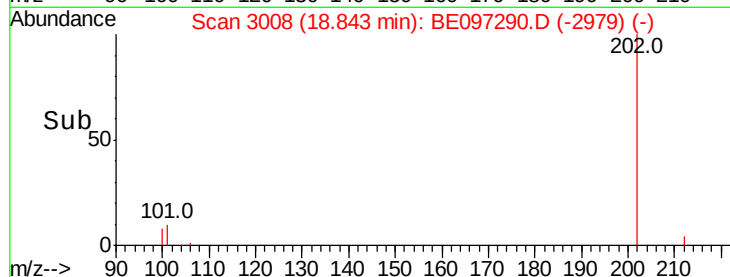
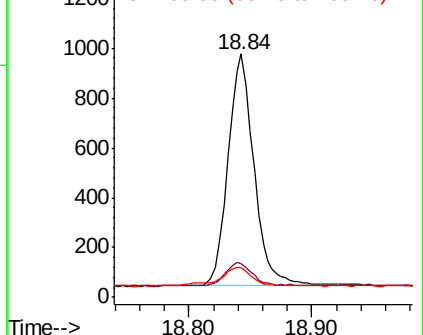
100 12.3 0.0 39.5



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: 0.123 ng/ul

RT: 19.21 min Scan# 3110

Delta R.T. 0.00 min

Lab File: BE097290.D

Acq: 17 Aug 2018 10:22

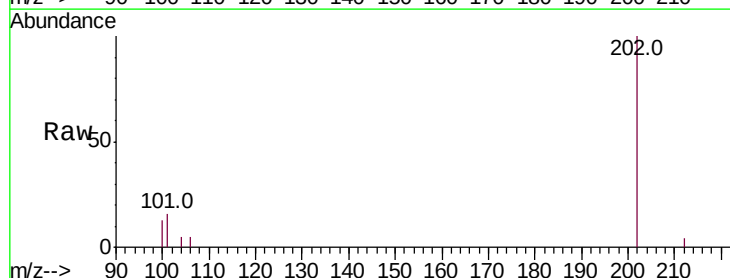
Tgt Ion:202 Resp: 1500

Ion Ratio Lower Upper

202 100

101 16.2 18.2 27.4#

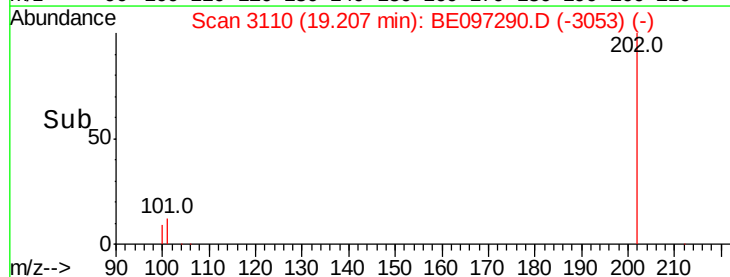
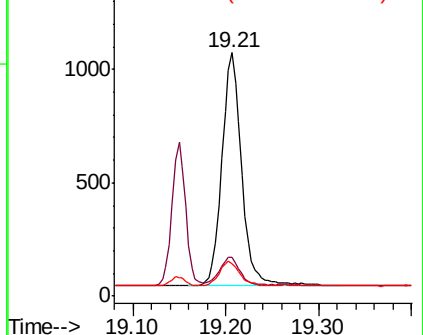
100 13.3 15.6 23.4#

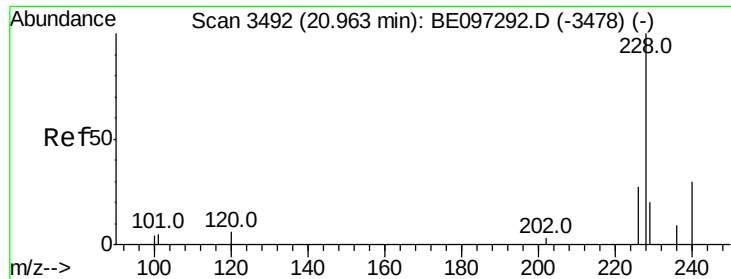


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.083 ng/ul

RT: 20.96 min Scan# 3492

Delta R.T. 0.00 min

Lab File: BE097290.D

Acq: 17 Aug 2018 10:22

Instrument :

BNA_E

ClientSampleId :

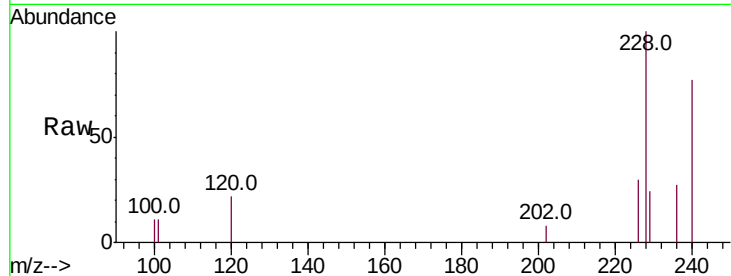
Tot Ion:228 Resp: 1081

Ion Ratio Lower Upper

228 100

229 23.8 22.8 34.2

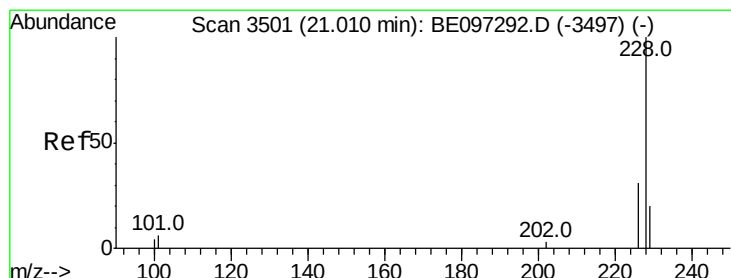
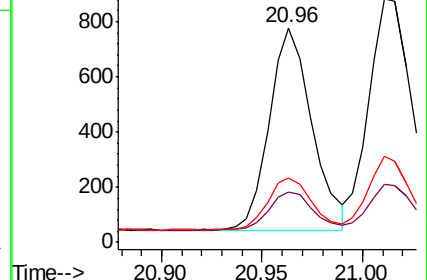
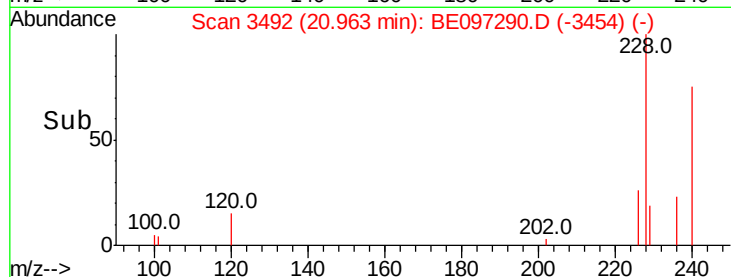
226 30.4 17.0 25.6#



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: 0.081 ng/ul

RT: 20.96 min Scan# 3492

Delta R.T. -0.05 min

Lab File: BE097290.D

Acq: 17 Aug 2018 10:22

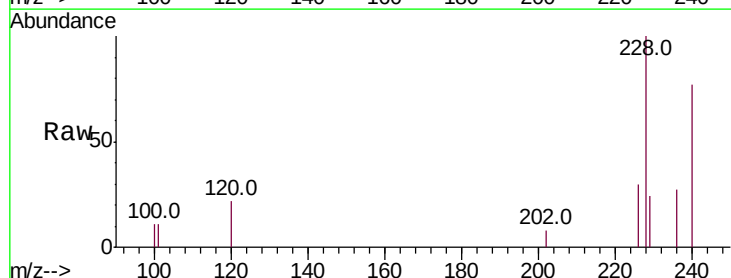
Tgt Ion:228 Resp: 1081

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

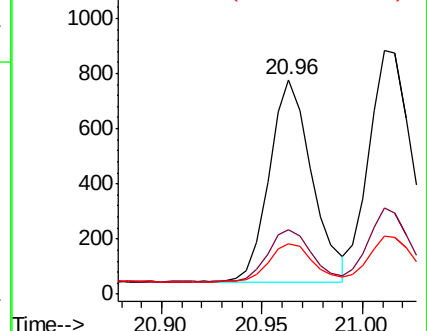
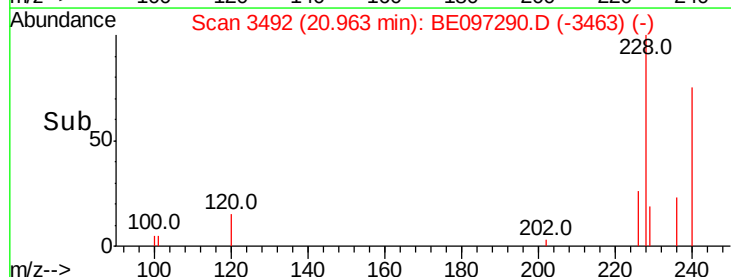
229 23.8 17.7 26.5

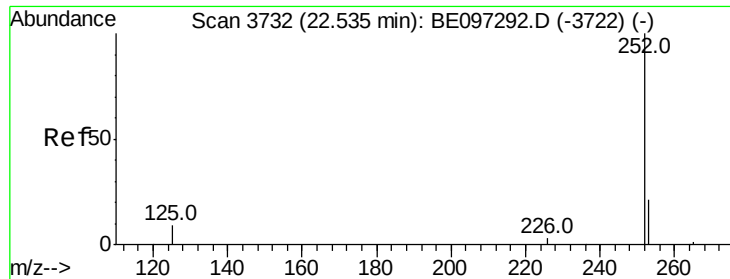


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.083 ng/ul

RT: 22.54 min Scan# 3733

Delta R.T. 0.01 min

Lab File: BE097290.D

Acq: 17 Aug 2018 10:22

Instrument :

BNA_E

ClientSampleId :

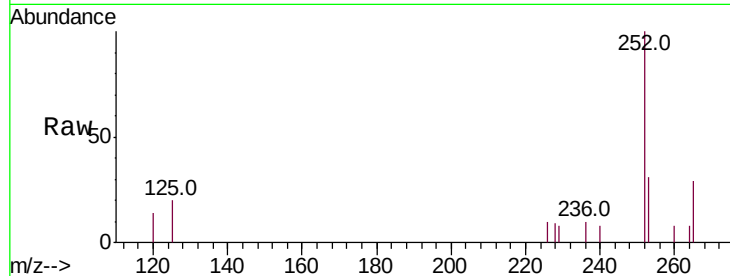
Tot Ion:252 Resp: 979

Ion Ratio Lower Upper

252 100

253 30.9 0.0 64.2

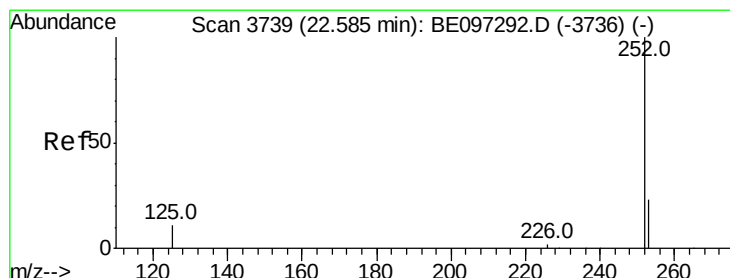
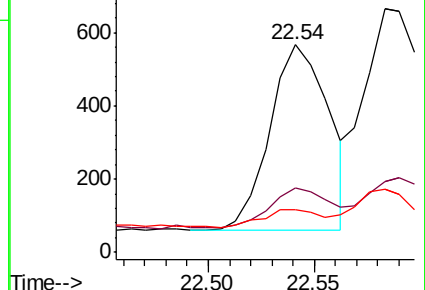
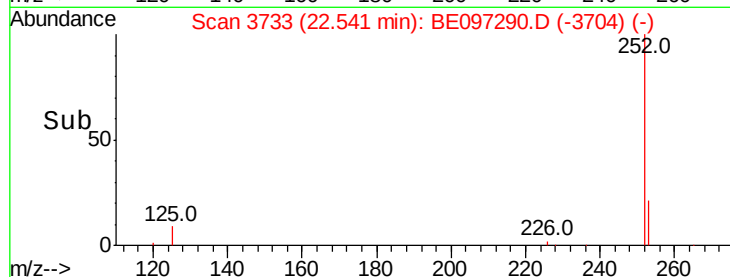
125 20.5 0.0 35.0



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: 0.077 ng/ul

RT: 22.54 min Scan# 3733

Delta R.T. -0.04 min

Lab File: BE097290.D

Acq: 17 Aug 2018 10:22

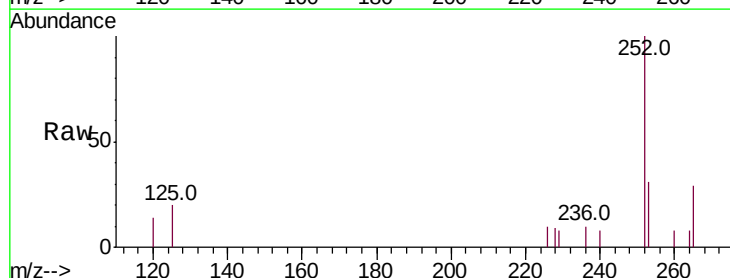
Tgt Ion:252 Resp: 979

Ion Ratio Lower Upper

252 100

253 30.9 24.5 36.7

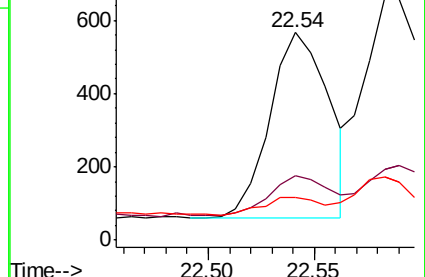
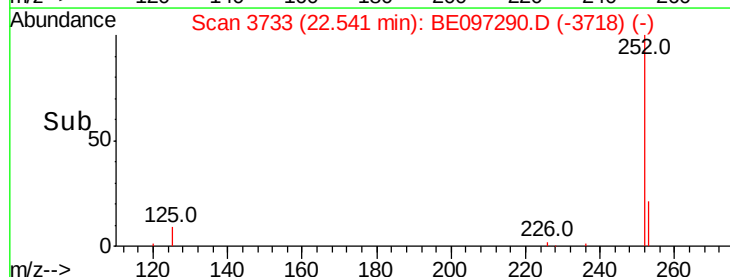
125 20.5 13.7 20.5

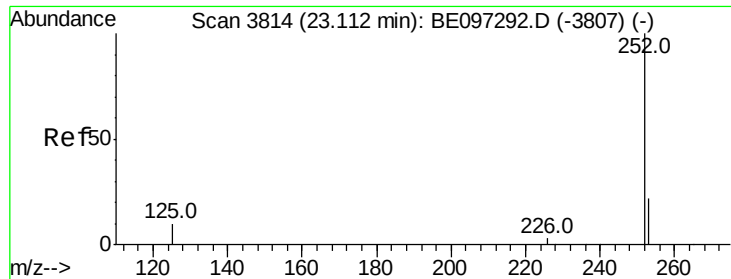


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.085 ng/ul

RT: 23.12 min Scan# 3815

Delta R.T. 0.01 min

Lab File: BE097290.D

Acq: 17 Aug 2018 10:22

Instrument :

BNA_E

ClientSampleId :

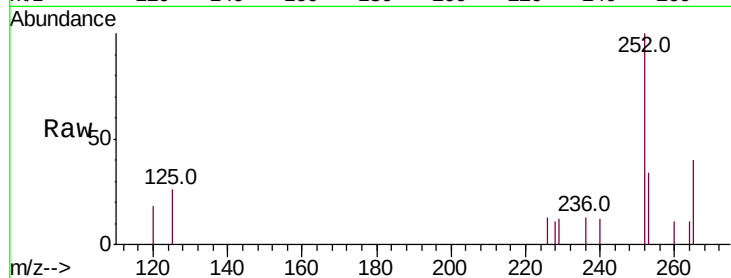
Tot Ion:252 Resp: 1005

Ion Ratio Lower Upper

252 100

253 34.1 28.5 42.7

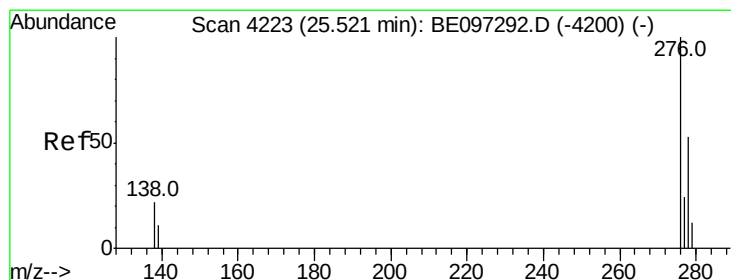
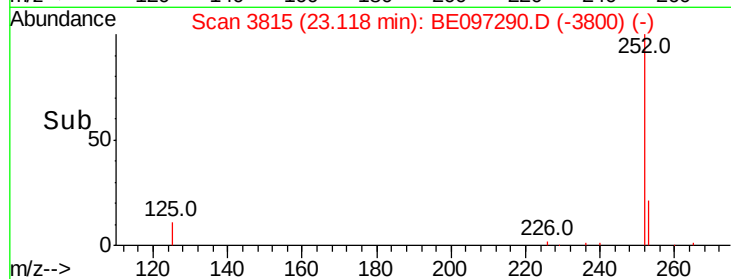
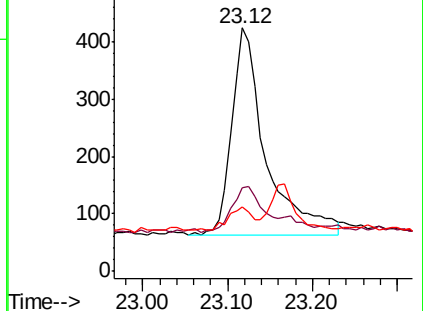
125 26.4 18.1 27.1



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: 0.085 ng/ul

RT: 25.54 min Scan# 4227

Delta R.T. 0.02 min

Lab File: BE097290.D

Acq: 17 Aug 2018 10:22

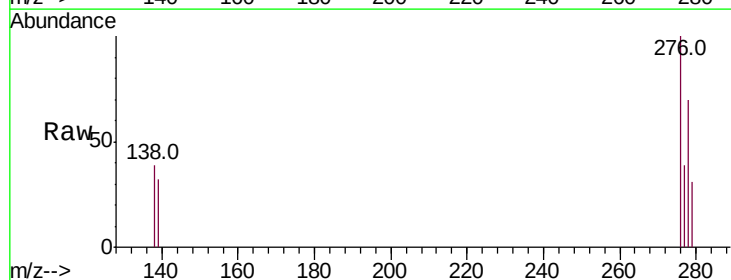
Tgt Ion:276 Resp: 1251

Ion Ratio Lower Upper

276 100

138 23.3 28.0 42.0#

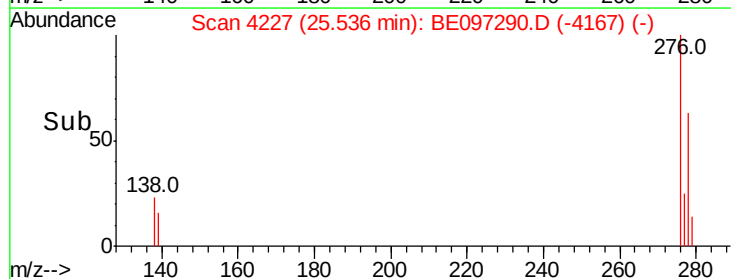
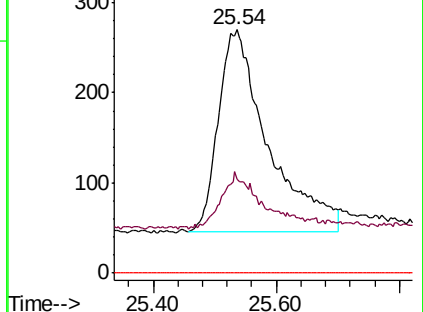
227 0.0 8.0 12.0#

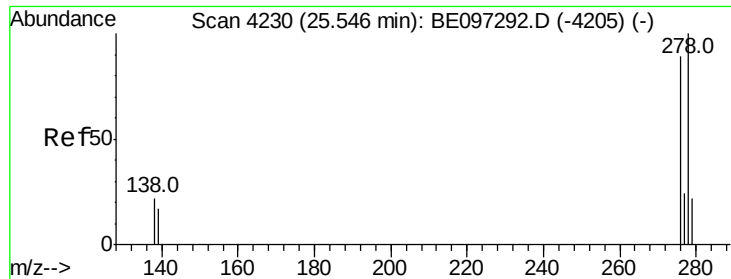


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.081 ng/ul

RT: 25.55 min Scan# 4231

Delta R.T. 0.00 min

Lab File: BE097290.D

Acq: 17 Aug 2018 10:22

Instrument :

BNA_E

ClientSampleId :

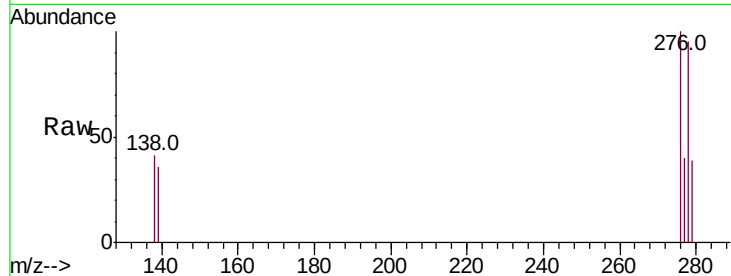
Tot Ion:278 Resp: 974

Ion Ratio Lower Upper

278 100

139 38.5 17.4 26.0#

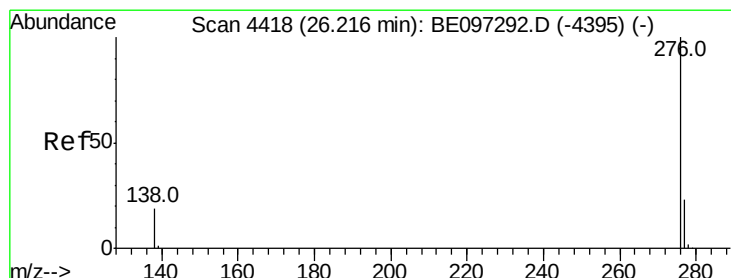
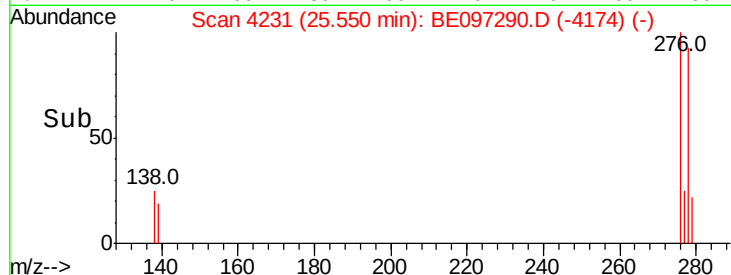
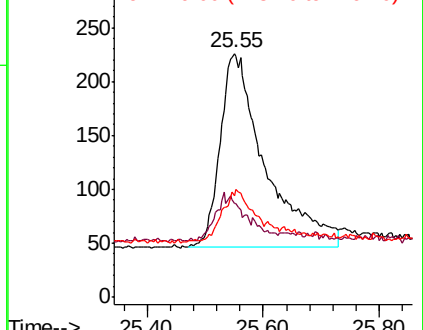
279 41.6 25.9 38.9#



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: 0.079 ng/ul

RT: 26.22 min Scan# 4419

Delta R.T. 0.00 min

Lab File: BE097290.D

Acq: 17 Aug 2018 10:22

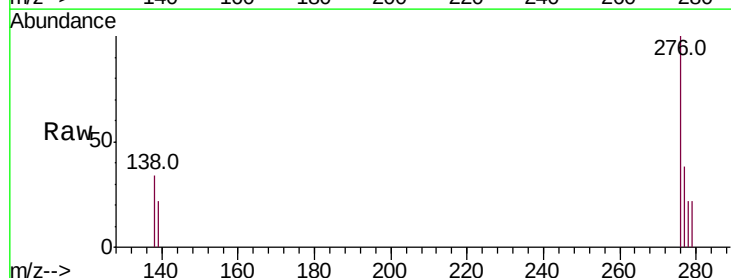
Tgt Ion:276 Resp: 1009

Ion Ratio Lower Upper

276 100

138 33.9 21.8 32.8#

277 37.8 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

