

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095812.D
 Acq On : 15 Mar 2018 20:16
 Operator : SJ/JU
 Sample : J1813-04DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 16 02:41:43 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 02:40:12 2018
 Response via : Initial Calibration

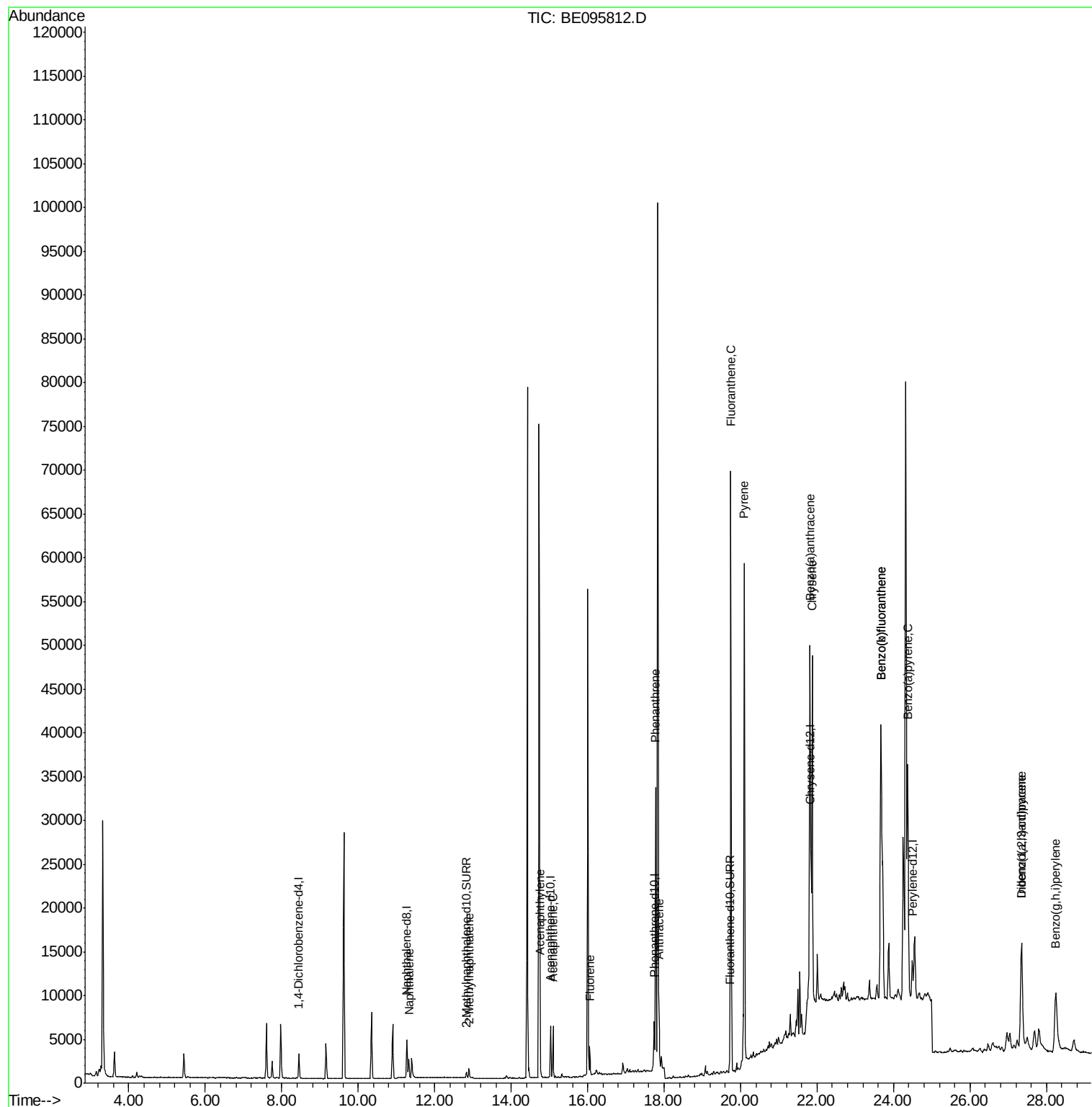
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	1980	0.40	ng/ul	0.00
2) Naphthalene-d8	11.27	136	5869	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.03	164	3188	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.74	188	6601	0.40	ng/ul	0.00
16) Chrysene-d12	21.84	240	7056	0.40	ng/ul	0.00
20) Perylene-d12	24.49	264	7094	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.83	152	753	0.08	ng/ul	0.00
14) Fluoranthene-d10	19.72	212	1764	0.08	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.32	128	2886	0.176	ng/ul#	90
5) 2-Methylnaphthalene	12.90	142	903	0.079	ng/ul	98
7) Acenaphthylene	14.76	152	1547	0.096	ng/ul#	90
8) Acenaphthene	15.09	153	3486	0.288	ng/ul	93
9) Fluorene	16.06	166	2298	0.175	ng/ul	87
12) Phenanthrene	17.78	178	34279	1.734	ng/ul#	89
13) Anthracene	17.87	178	7699	0.417	ng/ul#	93
15) Fluoranthene	19.75	202	75548	3.155	ng/ul	81
17) Pyrene	20.10	202	65637	2.450	ng/ul#	78
18) Benzo(a)anthracene	21.81	228	49105	2.157	ng/ul#	88
19) Chrysene	21.87	228	41689	1.798	ng/ul	94
21) Benzo(b)fluoranthene	23.67	252	82499	3.357	ng/ul	91
22) Benzo(k)fluoranthene	23.67	252	82499	3.532	ng/ul	93
23) Benzo(a)pyrene	24.37	252	40862	1.821	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	27.35	276	27883	1.121	ng/ul#	68
25) Dibenzo(a,h)anthracene	27.35	278	6391	0.321	ng/ul#	65
26) Benzo(a,h,i)perylene	28.25	276	23840	1.116	ng/ul#	92

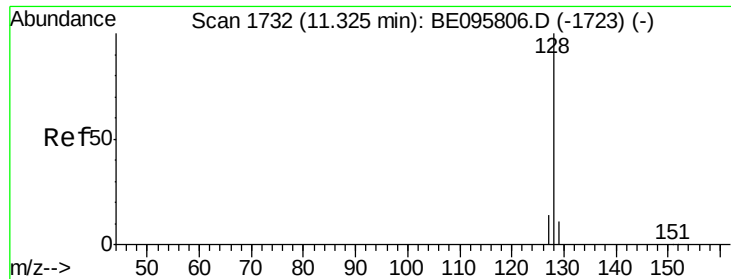
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.176 ng/ul

RT: 11.32 min Scan# 1732

Delta R.T. -0.00 min

Lab File: BE095812.D

Acq: 15 Mar 2018 20:16

Instrument :

BNA_E

ClientSampleId :

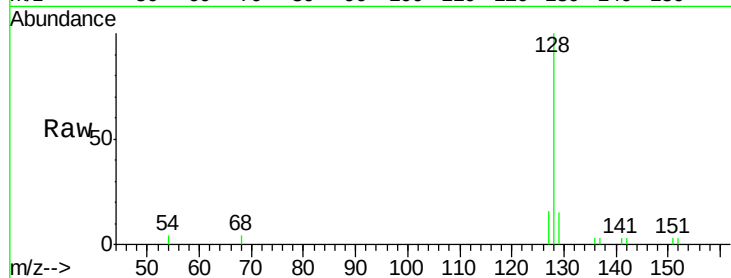
Tot Ion:128 Resp: 2886

Ion Ratio Lower Upper

128 100

129 14.8 11.3 16.9

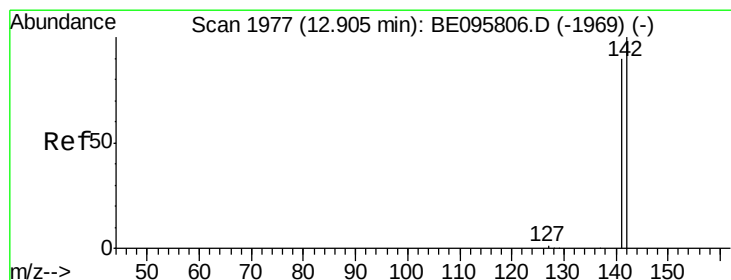
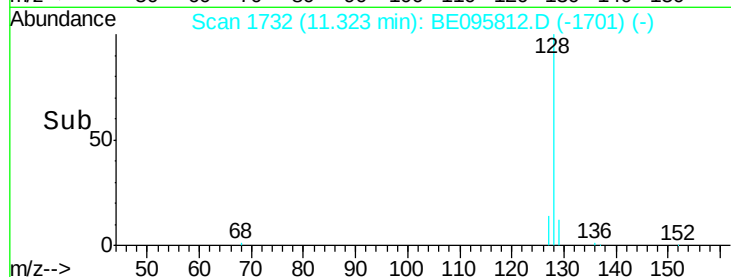
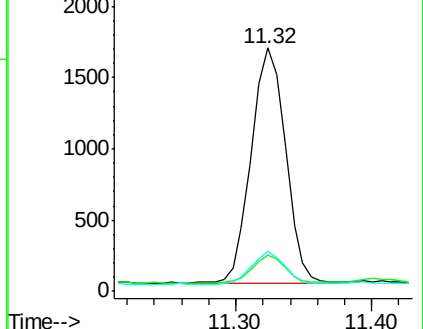
127 16.4 4.0 6.0#



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: 0.079 ng/ul

RT: 12.90 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BE095812.D

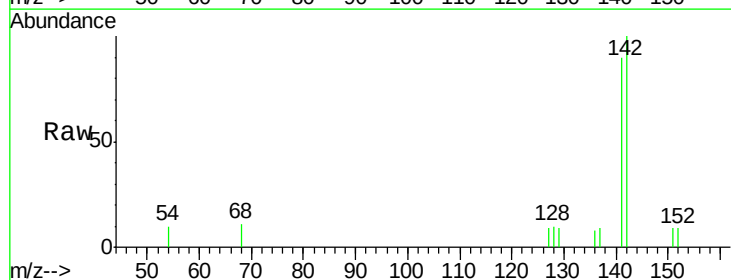
Acq: 15 Mar 2018 20:16

Tgt Ion:142 Resp: 903

Ion Ratio Lower Upper

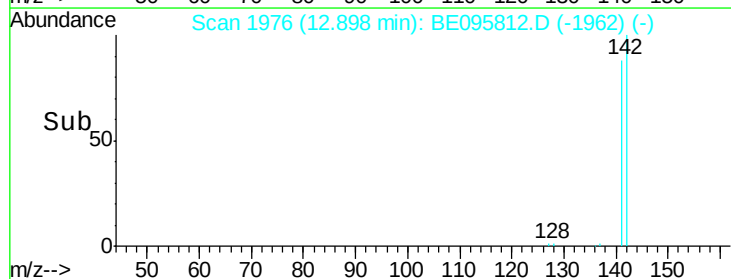
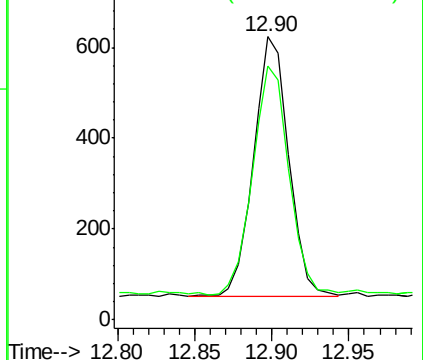
142 100

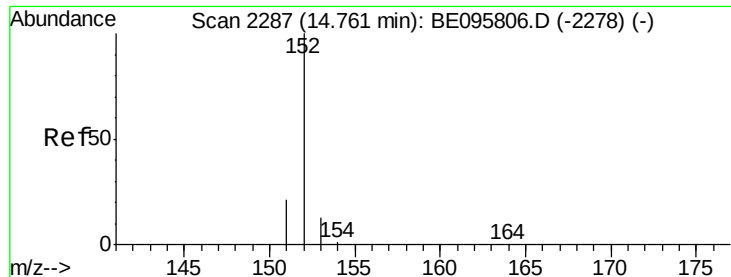
141 92.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.096 ng/ul

RT: 14.76 min Scan# 2287

Delta R.T. -0.00 min

Lab File: BE095812.D

Acq: 15 Mar 2018 20:16

Instrument :

BNA_E

ClientSampleId :

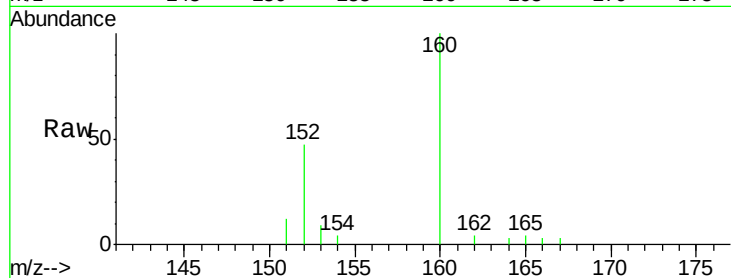
Tot Ion:152 Resp: 1547

Ion Ratio Lower Upper

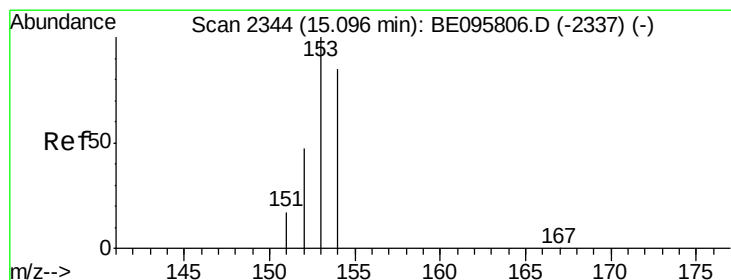
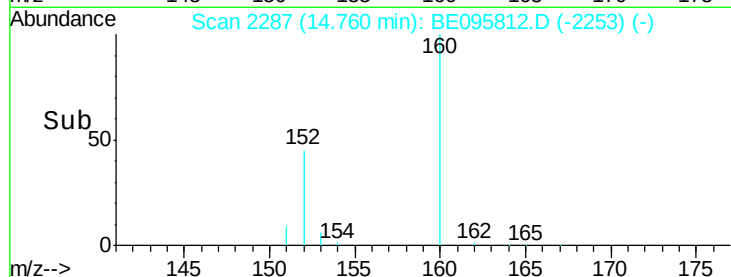
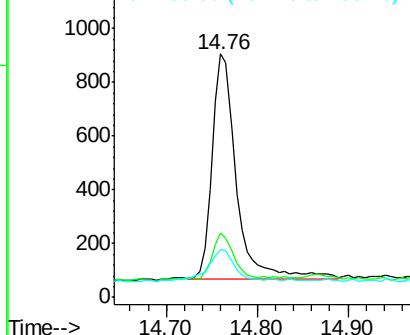
152 100

151 26.4 17.1 25.7#

153 19.6 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: 0.288 ng/ul

RT: 15.09 min Scan# 2344

Delta R.T. -0.00 min

Lab File: BE095812.D

Acq: 15 Mar 2018 20:16

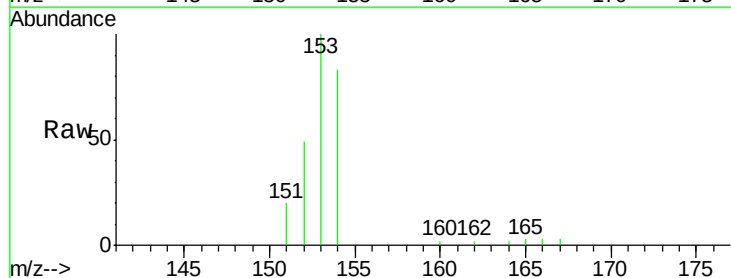
Tgt Ion:153 Resp: 3486

Ion Ratio Lower Upper

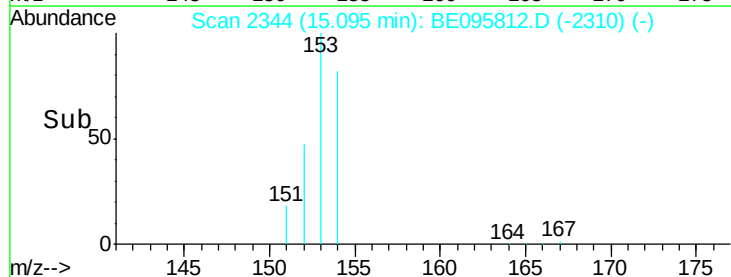
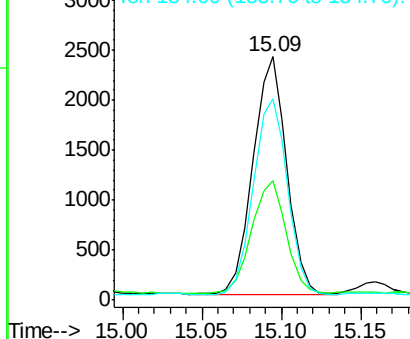
153 100

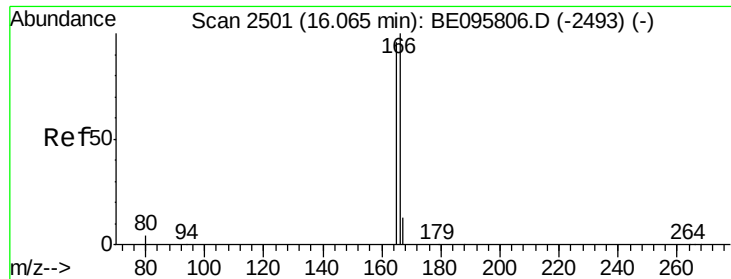
152 49.2 36.0 54.0

154 82.7 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: 0.175 ng/ul

RT: 16.06 min Scan# 2500

Delta R.T. -0.01 min

Lab File: BE095812.D

Acq: 15 Mar 2018 20:16

Instrument :

BNA_E

ClientSampleId :

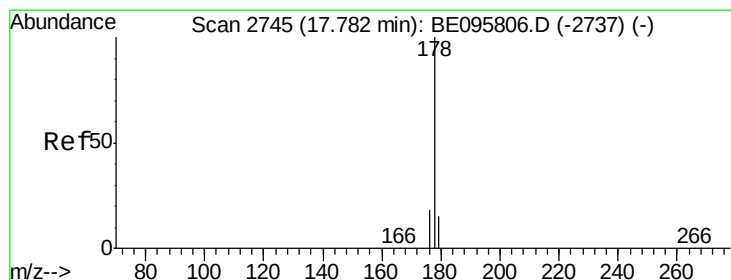
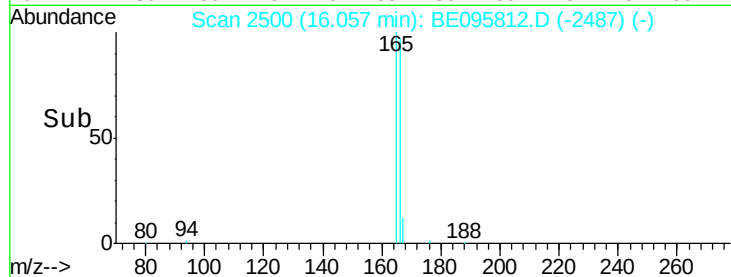
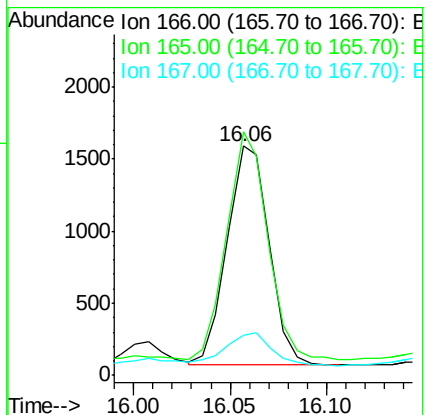
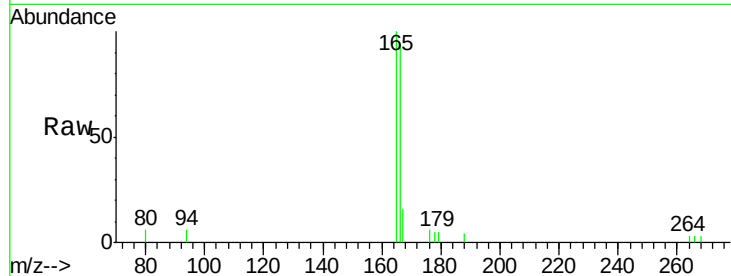
Tot Ion:166 Resp: 2298

Ion Ratio Lower Upper

166 100

165 106.2 73.4 110.2

167 17.4 14.6 22.0



#12

Phenanthrene

Concen: 1.734 ng/ul

RT: 17.78 min Scan# 2745

Delta R.T. -0.00 min

Lab File: BE095812.D

Acq: 15 Mar 2018 20:16

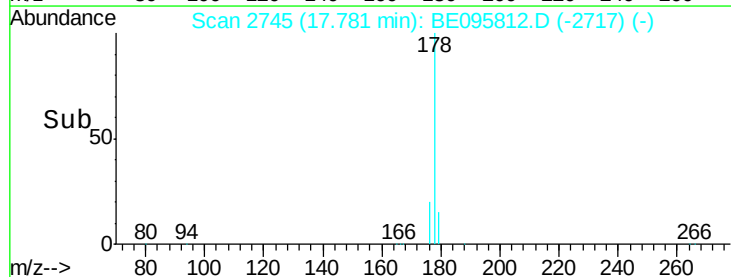
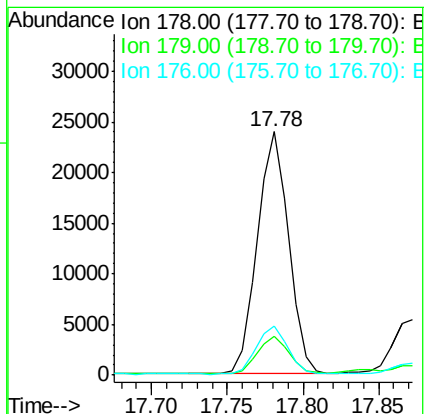
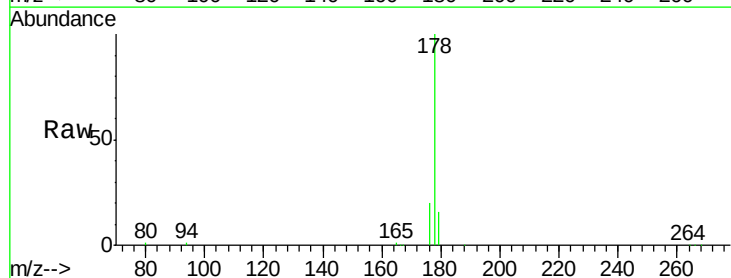
Tgt Ion:178 Resp: 34279

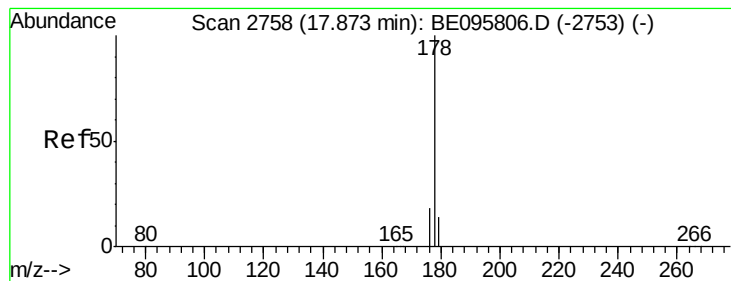
Ion Ratio Lower Upper

178 100

179 15.9 18.4 27.6#

176 20.0 13.6 20.4





#13

Anthracene

Concen: 0.417 ng/ul

RT: 17.87 min Scan# 2758

Delta R.T. -0.00 min

Lab File: BE095812.D

Acq: 15 Mar 2018 20:16

Instrument :

BNA_E

ClientSampleId :

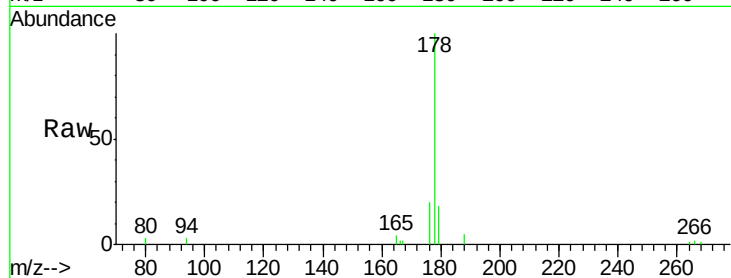
Tot Ion:178 Resp: 7699

Ion Ratio Lower Upper

178 100

179 17.9 18.1 27.1#

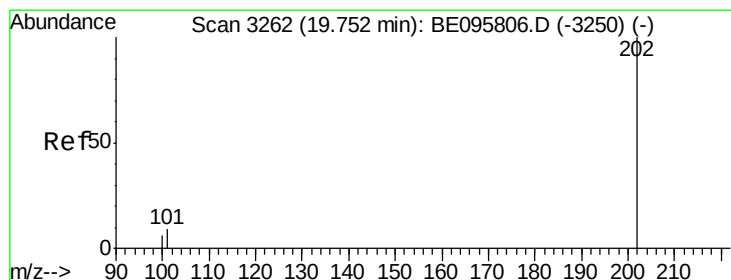
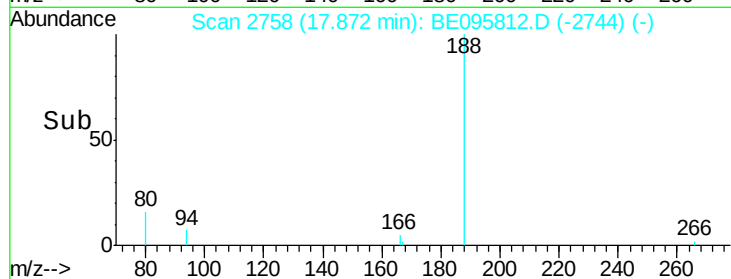
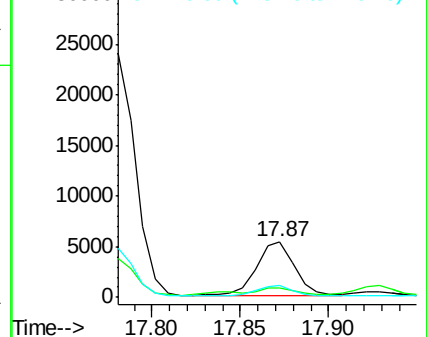
176 20.4 14.7 22.1



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: 3.155 ng/ul

RT: 19.75 min Scan# 3261

Delta R.T. -0.00 min

Lab File: BE095812.D

Acq: 15 Mar 2018 20:16

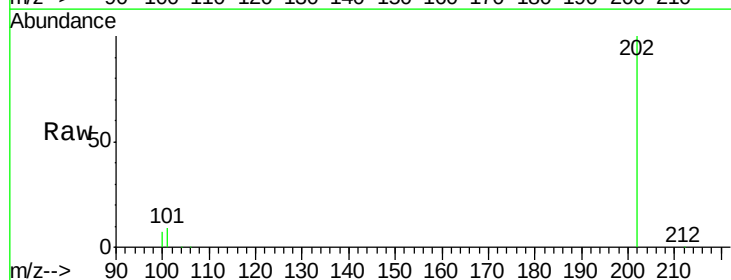
Tgt Ion:202 Resp: 75548

Ion Ratio Lower Upper

202 100

101 9.1 0.0 30.3

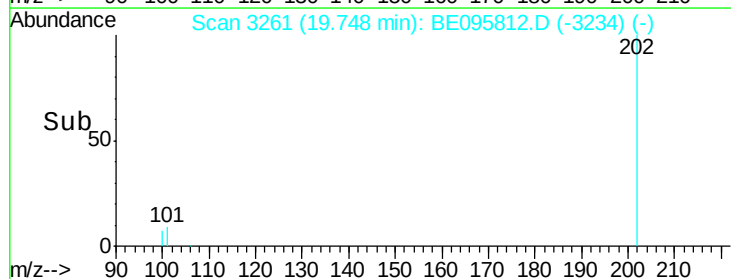
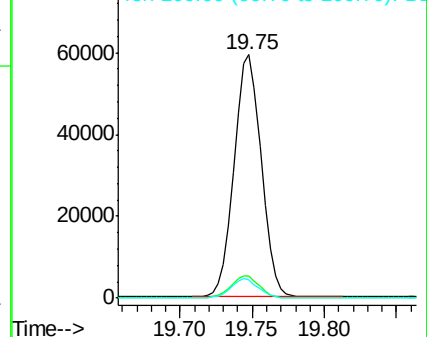
100 7.3 0.0 39.5

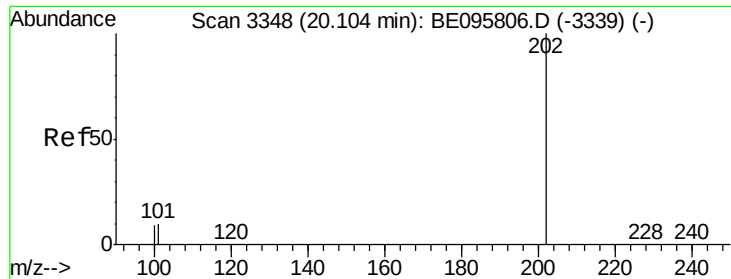


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

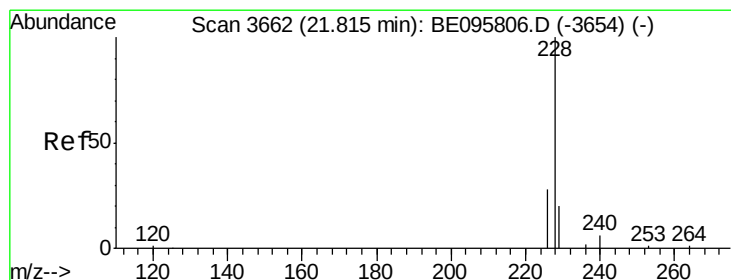
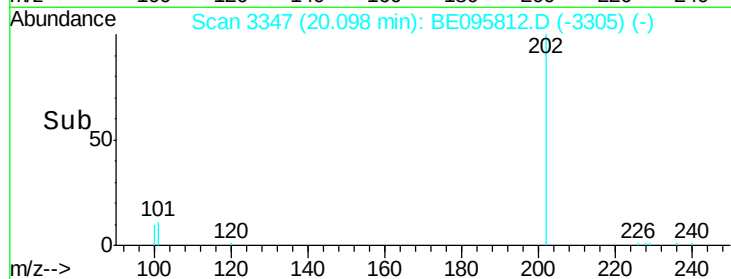
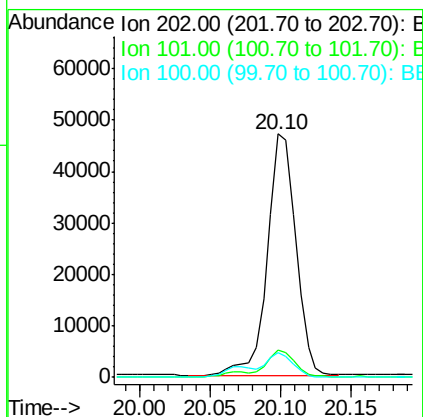
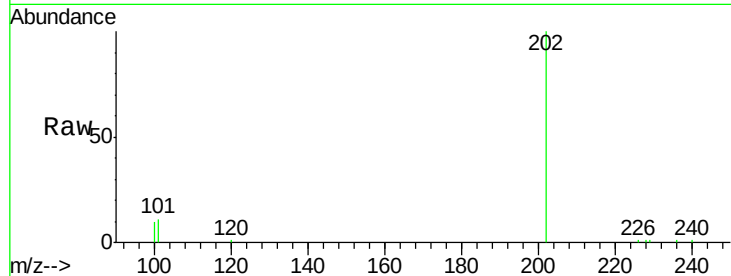




#17
Pvrene
Concen: 2.450 ng/ul
RT: 20.10 min Scan# 3347
Delta R.T. -0.01 min
Lab File: BE095812.D
Acq: 15 Mar 2018 20:16

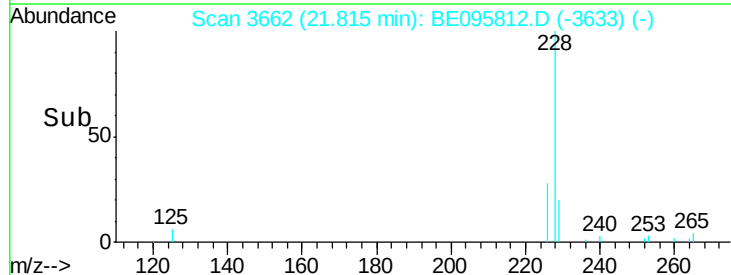
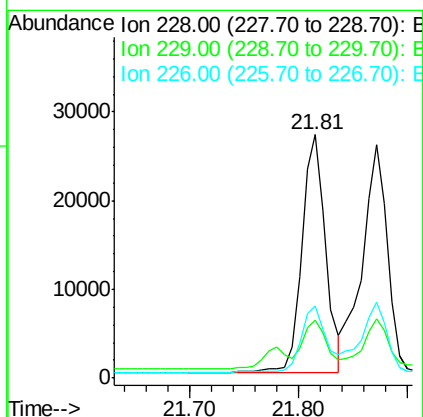
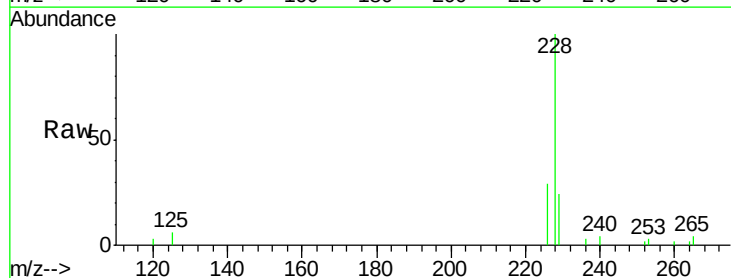
Instrument :
BNA_E
ClientSampleId :

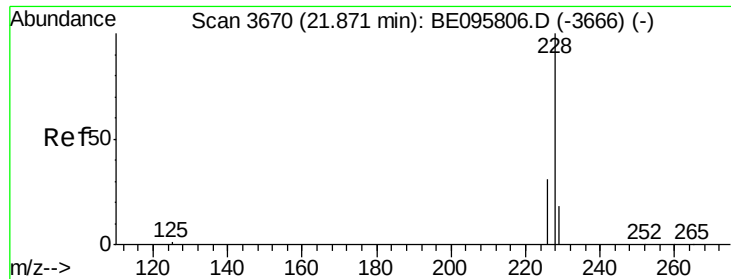
Tot Ion:202 Resp: 65637
Ion Ratio Lower Upper
202 100
101 11.1 18.2 27.4#
100 10.3 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 2.157 ng/ul
RT: 21.81 min Scan# 3662
Delta R.T. -0.00 min
Lab File: BE095812.D
Acq: 15 Mar 2018 20:16

Tgt Ion:228 Resp: 49105
Ion Ratio Lower Upper
228 100
229 23.8 22.8 34.2
226 29.4 17.0 25.6#





#19

Chrysene

Concen: 1.798 ng/ul

RT: 21.87 min Scan# 3670

Delta R.T. -0.00 min

Lab File: BE095812.D

Acq: 15 Mar 2018 20:16

Instrument :

BNA_E

ClientSampleId :

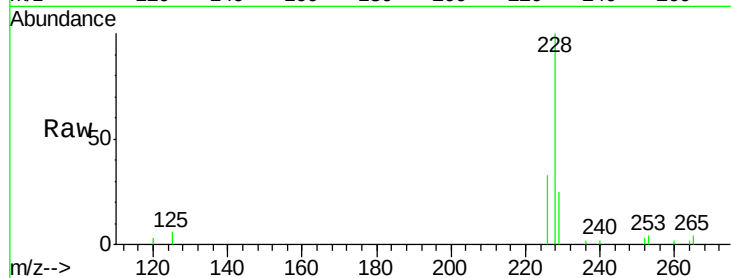
Tot Ion:228 Resp: 41689

Ion Ratio Lower Upper

228 100

226 32.6 23.4 35.0

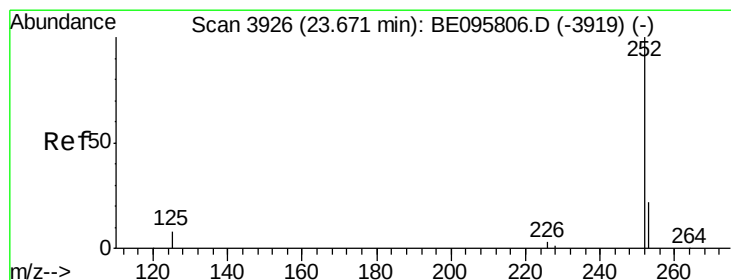
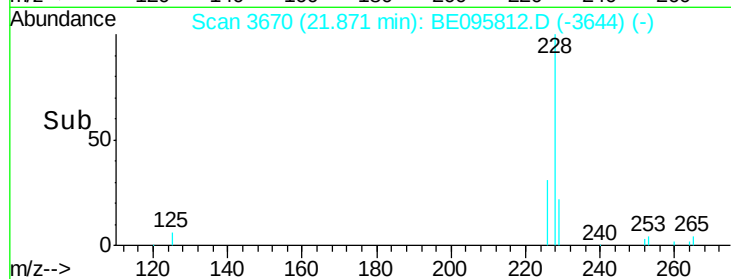
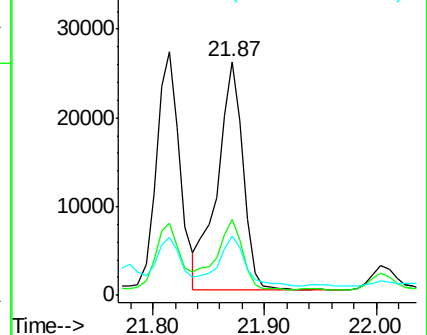
229 25.2 17.7 26.5



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: 3.357 ng/ul

RT: 23.67 min Scan# 3926

Delta R.T. -0.00 min

Lab File: BE095812.D

Acq: 15 Mar 2018 20:16

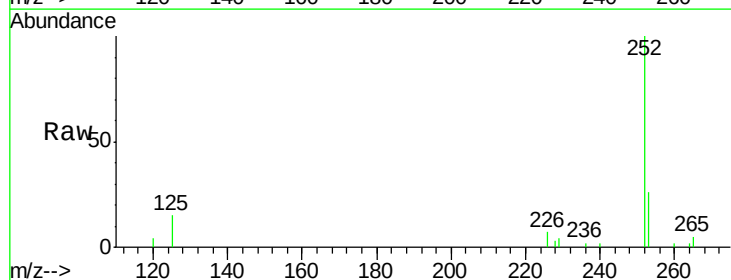
Tgt Ion:252 Resp: 82499

Ion Ratio Lower Upper

252 100

253 25.7 0.0 64.2

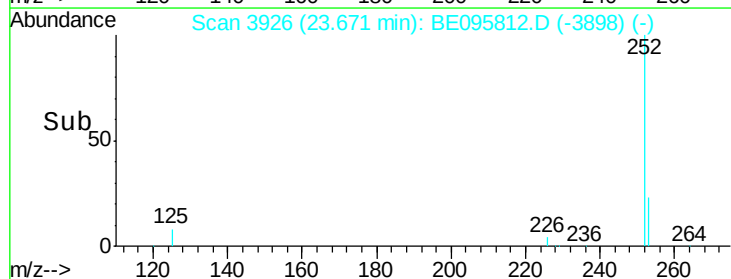
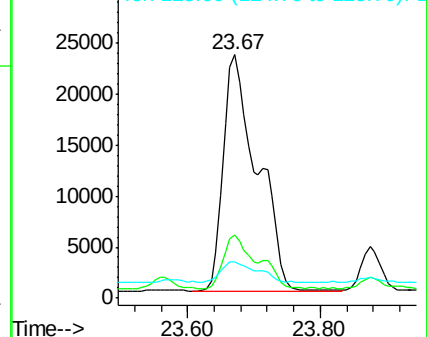
125 15.0 0.0 35.0

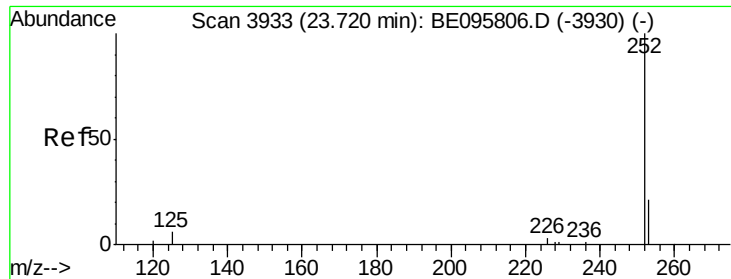


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.532 ng/ul

RT: 23.67 min Scan# 3926

Delta R.T. -0.05 min

Lab File: BE095812.D

Acq: 15 Mar 2018 20:16

Instrument :

BNA_E

ClientSampleId :

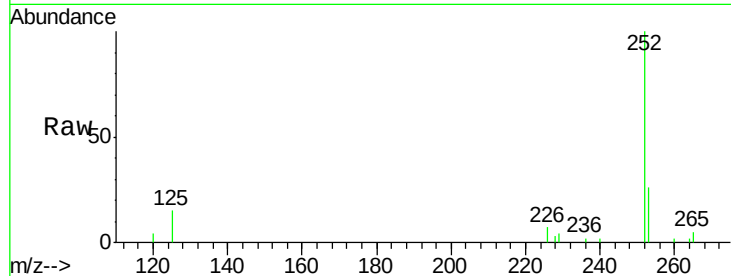
Tot Ion:252 Resp: 82499

Ion Ratio Lower Upper

252 100

253 25.7 24.5 36.7

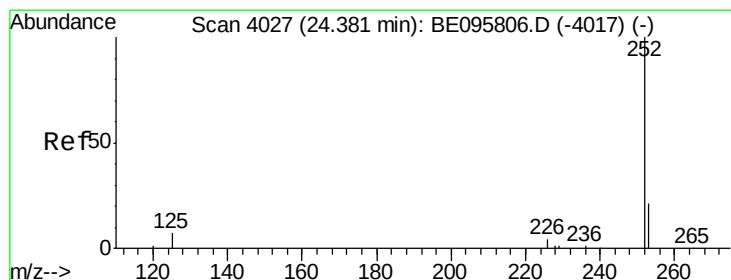
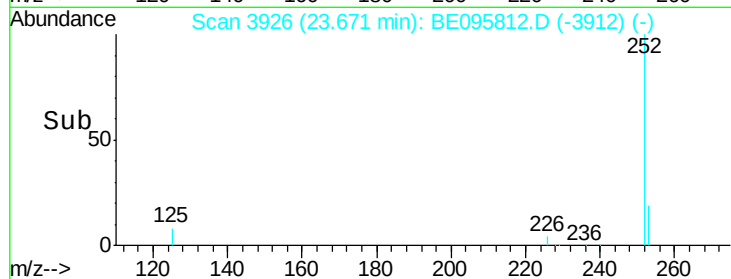
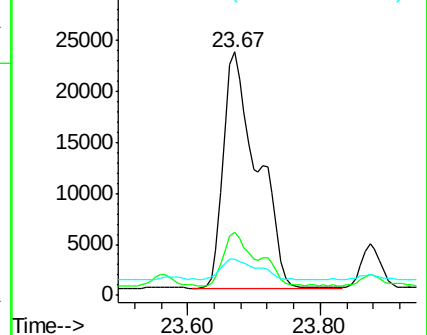
125 15.0 13.7 20.5



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



#23

Benzo(a)pyrene

Concen: 1.821 ng/ul

RT: 24.37 min Scan# 4026

Delta R.T. -0.01 min

Lab File: BE095812.D

Acq: 15 Mar 2018 20:16

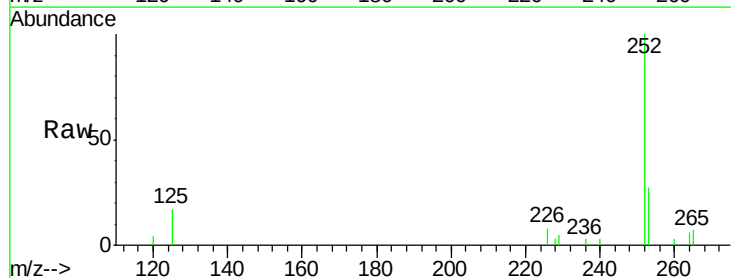
Tgt Ion:252 Resp: 40862

Ion Ratio Lower Upper

252 100

253 26.5 28.5 42.7#

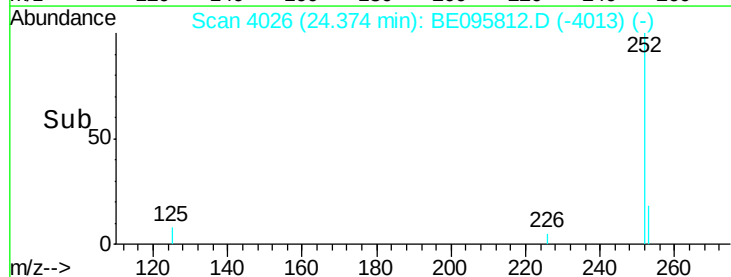
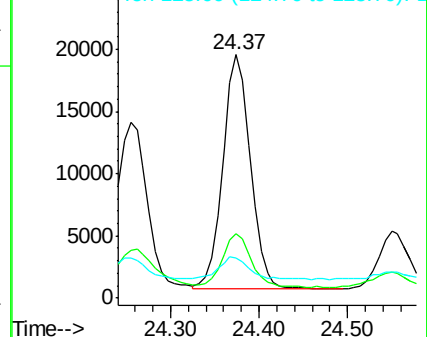
125 16.6 18.1 27.1#

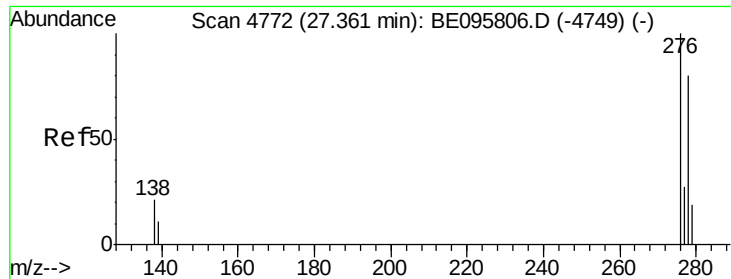


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

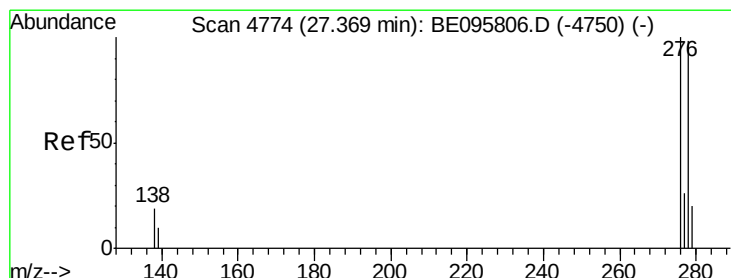
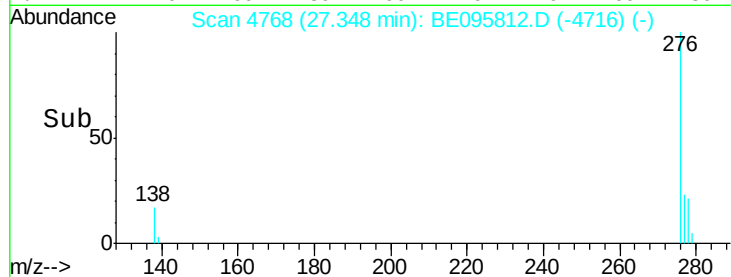
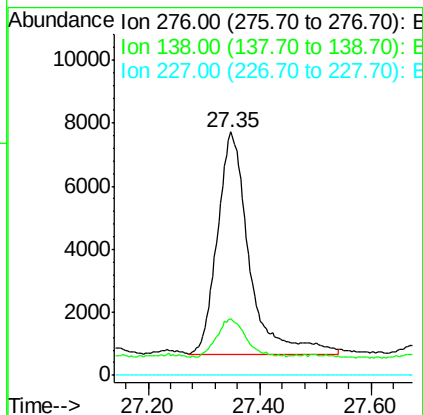
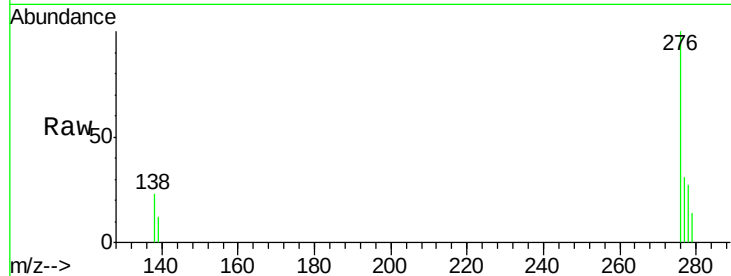




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.121 ng/ul
 RT: 27.35 min Scan# 4768
 Delta R.T. -0.01 min
 Lab File: BE095812.D
 Acq: 15 Mar 2018 20:16

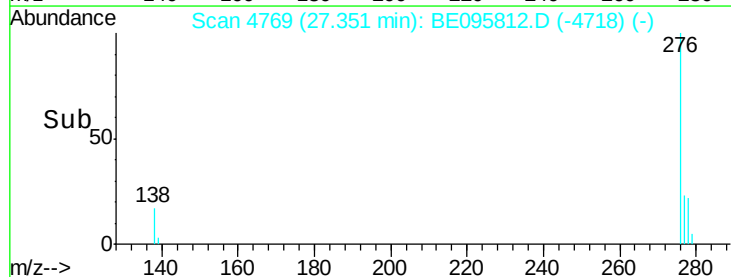
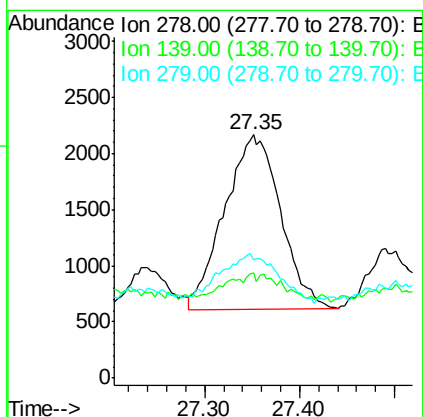
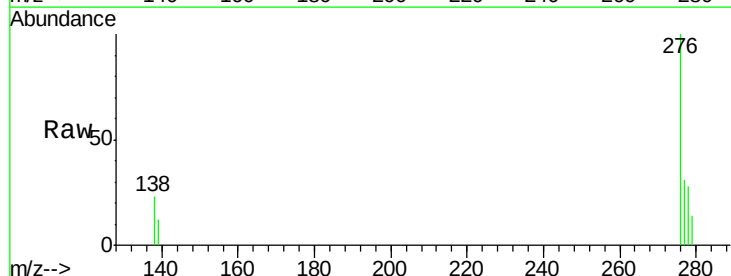
Instrument :
 BNA_E
 ClientSampleId :

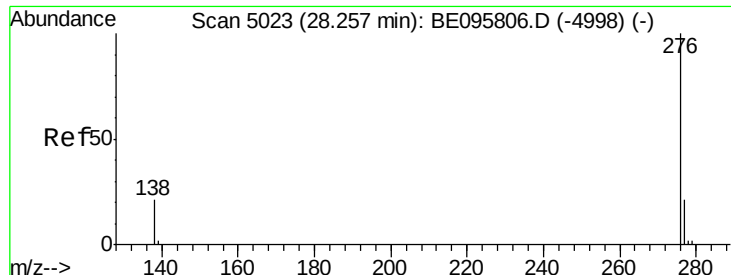
Tot Ion:276 Resp: 27883
 Ion Ratio Lower Upper
 276 100
 138 15.4 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.321 ng/ul
 RT: 27.35 min Scan# 4769
 Delta R.T. -0.02 min
 Lab File: BE095812.D
 Acq: 15 Mar 2018 20:16

Tgt Ion:278 Resp: 6391
 Ion Ratio Lower Upper
 278 100
 139 43.2 17.4 26.0#
 279 48.6 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 1.116 ng/ul

RT: 28.25 min Scan# 5020

Delta R.T. -0.01 min

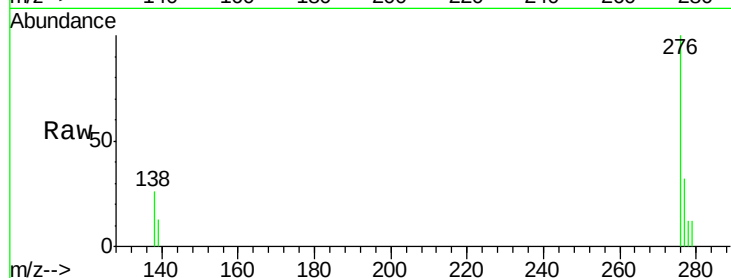
Lab File: BE095812.D

Acq: 15 Mar 2018 20:16

Instrument :

BNA_E

ClientSampleId :



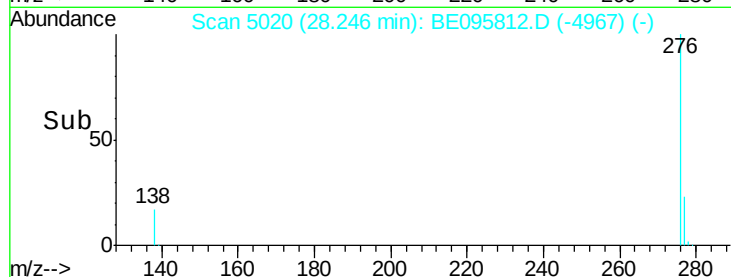
Tot Ion:276 Resp: 23840

Ion Ratio Lower Upper

276 100

138 25.7 21.8 32.8

277 32.4 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

