

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095806.D
 Acq On : 15 Mar 2018 16:40
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 16 01:14:21 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 01:12:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	2154	0.40	ng/ul	0.00
2) Naphthalene-d8	11.28	136	6122	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.04	164	3243	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.75	188	6852	0.40	ng/ul	0.00
16) Chrysene-d12	21.84	240	7027	0.40	ng/ul	0.00
20) Perylene-d12	24.50	264	7000	0.40	ng/ul	0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.83	152	3677	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.72	212	8126	0.37	ng/ul	0.00

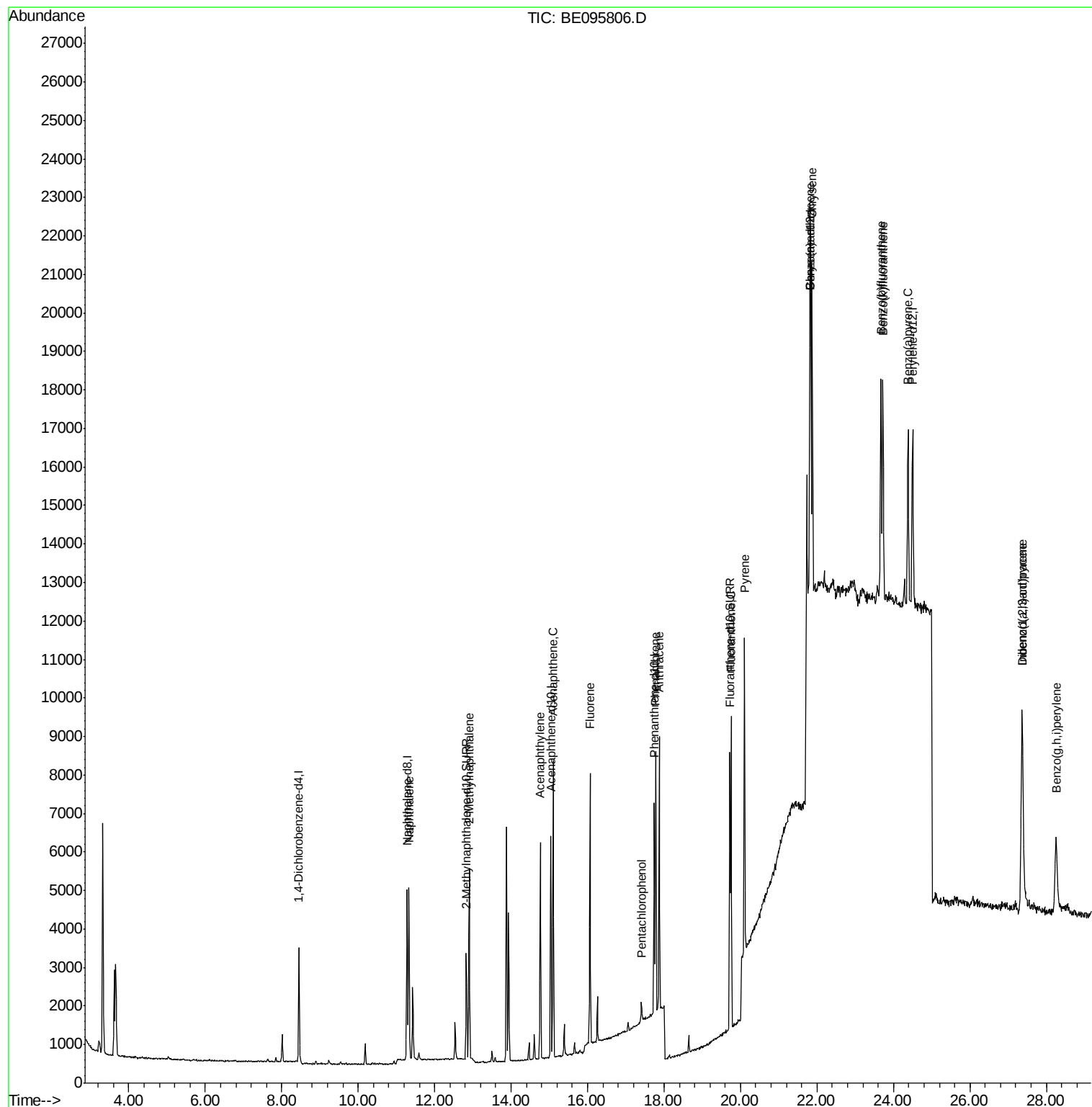
Target Compounds				Ovalue		
3) Naphthalene	11.32	128	6183	0.362	ng/ul#	90
5) 2-Methylnaphthalene	12.91	142	4202	0.354	ng/ul	99
7) Acenaphthylene	14.76	152	6318	0.386	ng/ul	97
8) Acenaphthene	15.10	153	4410	0.358	ng/ul	95
9) Fluorene	16.06	166	4725	0.353	ng/ul	94
11) Pentachlorophenol	17.41	266	354	0.368	ng/ul#	85
12) Phenanthrene	17.78	178	7258	0.354	ng/ul	92
13) Anthracene	17.87	178	7273	0.379	ng/ul	93
15) Fluoranthene	19.75	202	8957	0.360	ng/ul	83
17) Pyrene	20.10	202	9046	0.339	ng/ul#	78
18) Benzo(a)anthracene	21.81	228	8660	0.382	ng/ul#	78
19) Chrysene	21.87	228	8061	0.349	ng/ul#	74
21) Benzo(b)fluoranthene	23.67	252	8570	0.353	ng/ul#	63
22) Benzo(k)fluoranthene	23.72	252	7726	0.335	ng/ul#	59
23) Benzo(a)pyrene	24.38	252	7864	0.355	ng/ul#	60
24) Indeno(1,2,3-cd)pyrene	27.36	276	8328	0.339	ng/ul#	72
25) Dibenzo(a,h)anthracene	27.37	278	7178	0.366	ng/ul#	55
26) Benzo(g,h,i)perylene	28.26	276	6269	0.297	ng/ul#	56

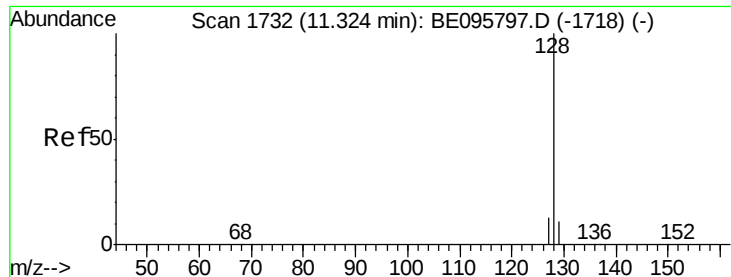
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.362 ng/ul

RT: 11.32 min Scan# 1732

Delta R.T. 0.00 min

Lab File: BE095806.D

Acq: 15 Mar 2018 16:40

Instrument :

BNA_E

ClientSampleId :

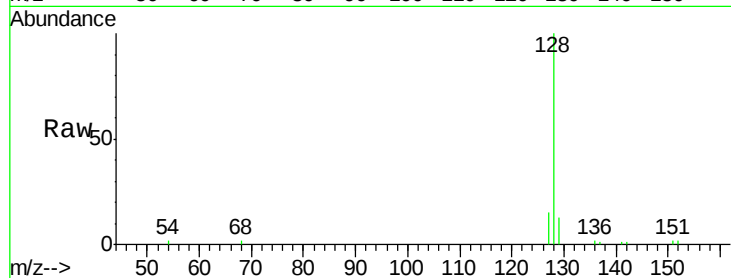
Tot Ion:128 Resp: 6183

Ion Ratio Lower Upper

128 100

129 12.8 11.3 16.9

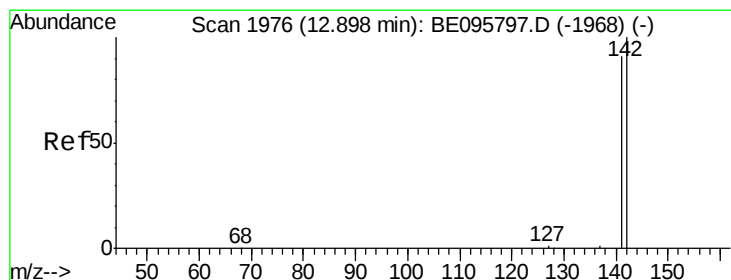
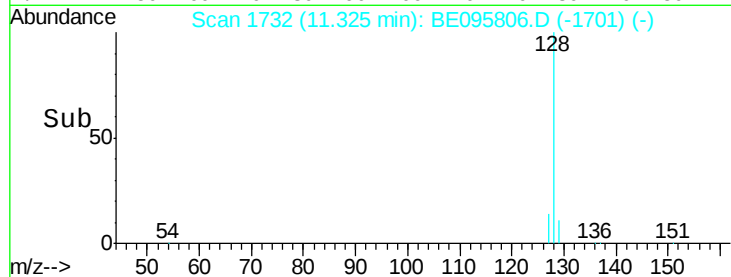
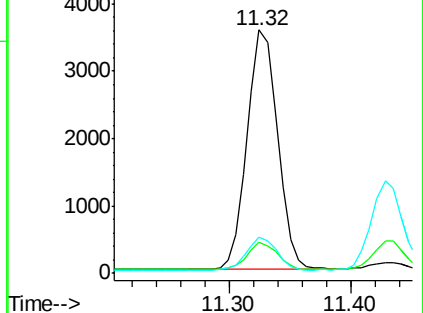
127 15.0 4.0 6.0#



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: 0.354 ng/ul

RT: 12.91 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BE095806.D

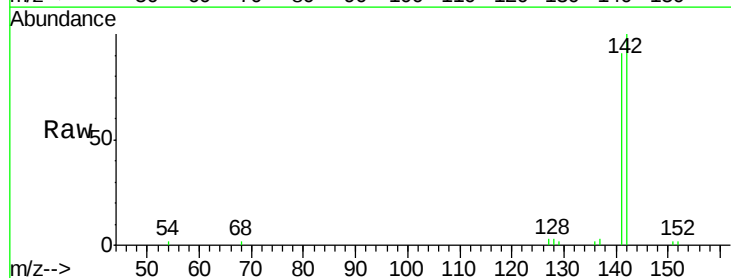
Acq: 15 Mar 2018 16:40

Tgt Ion:142 Resp: 4202

Ion Ratio Lower Upper

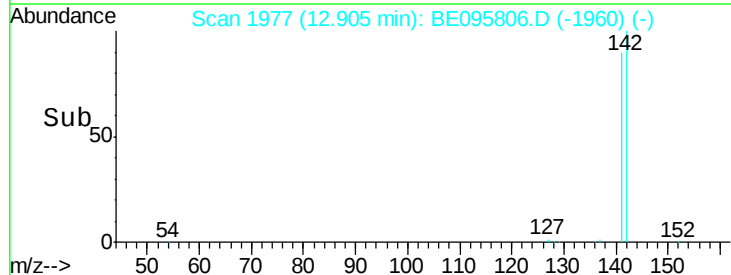
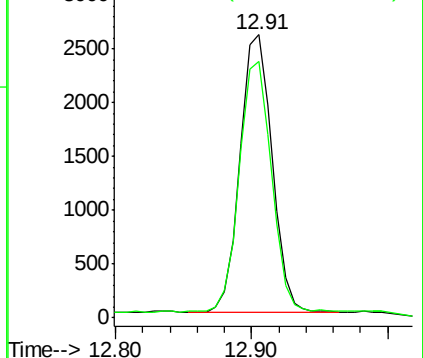
142 100

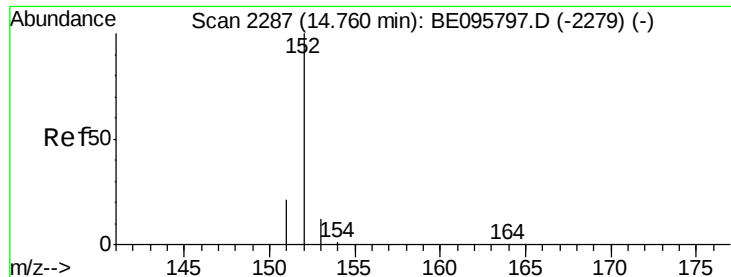
141 91.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.386 ng/ul

RT: 14.76 min Scan# 2287

Delta R.T. 0.00 min

Lab File: BE095806.D

Acq: 15 Mar 2018 16:40

Instrument :

BNA_E

ClientSampled :

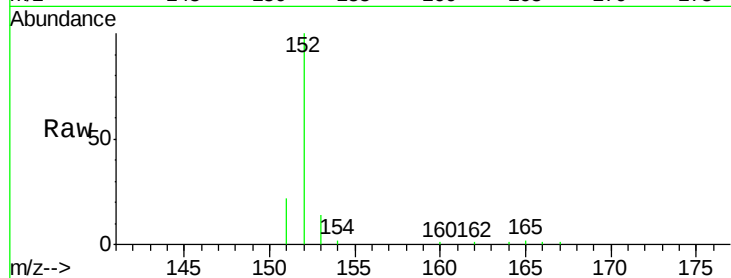
Tot Ion:152 Resp: 6318

Ion Ratio Lower Upper

152 100

151 22.4 17.1 25.7

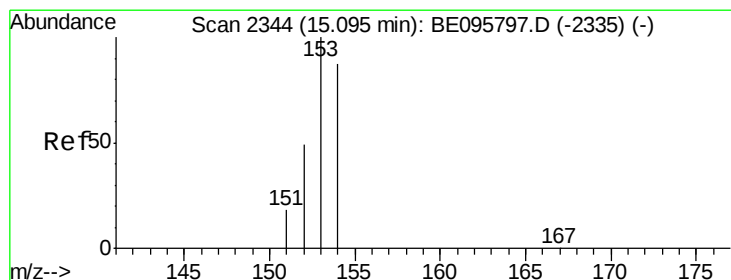
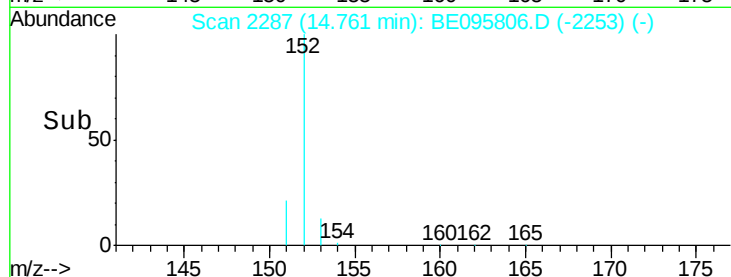
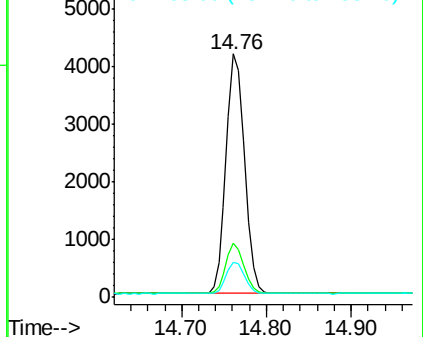
153 14.4 12.8 19.2



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: 0.358 ng/ul

RT: 15.10 min Scan# 2344

Delta R.T. 0.00 min

Lab File: BE095806.D

Acq: 15 Mar 2018 16:40

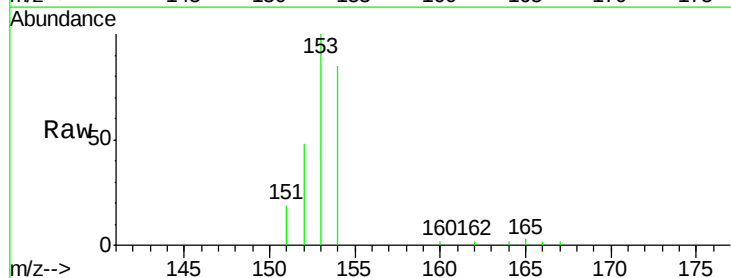
Tgt Ion:153 Resp: 4410

Ion Ratio Lower Upper

153 100

152 48.2 36.0 54.0

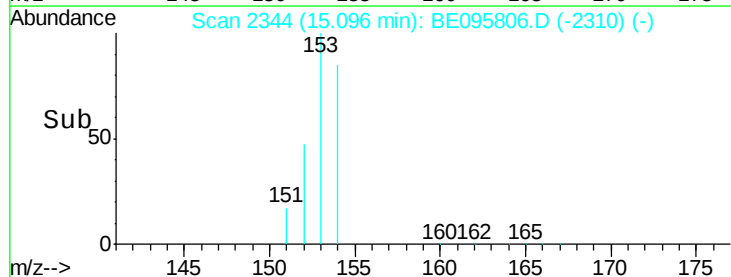
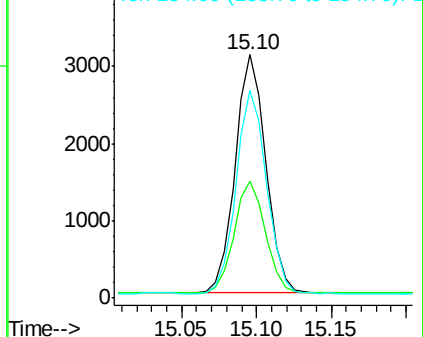
154 85.2 72.0 108.0

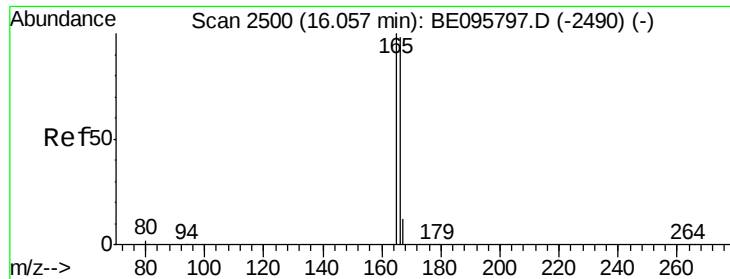


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

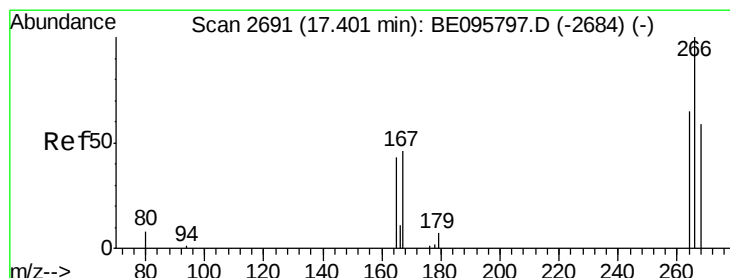
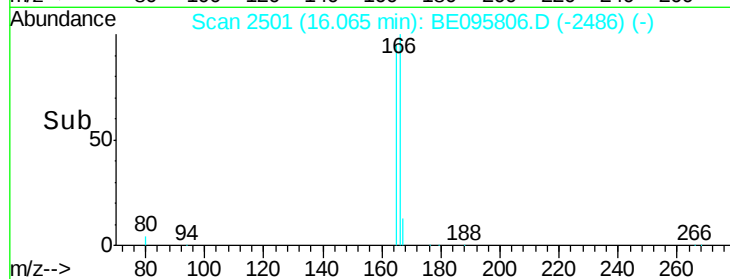
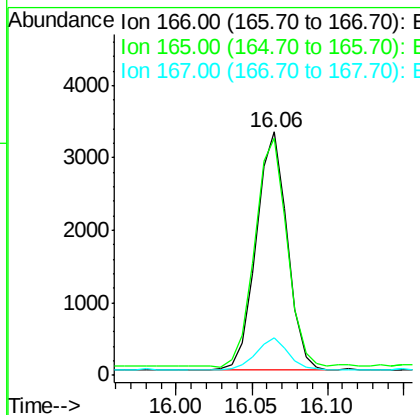
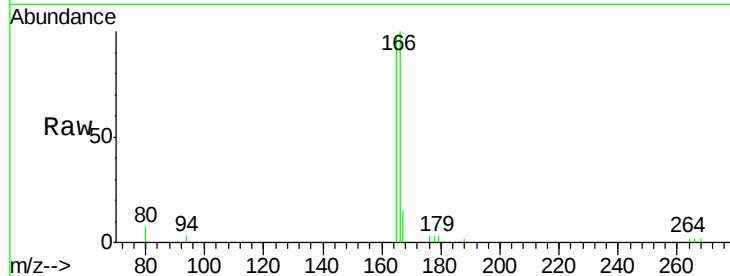




#9
Fluorene
 Concen: 0.353 ng/ul
 RT: 16.06 min Scan# 2501
 Delta R.T. 0.01 min
 Lab File: BE095806.D
 Acq: 15 Mar 2018 16:40

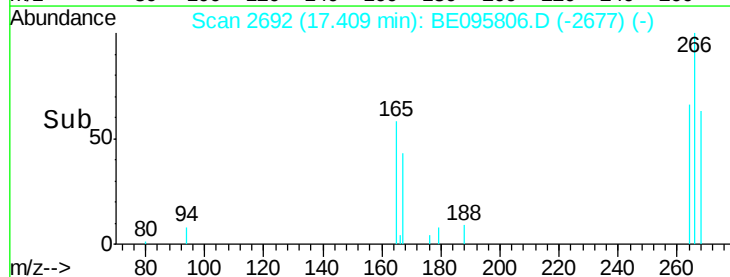
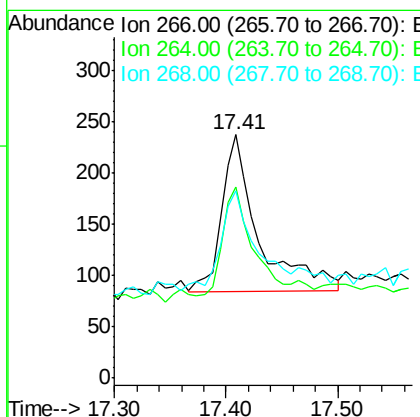
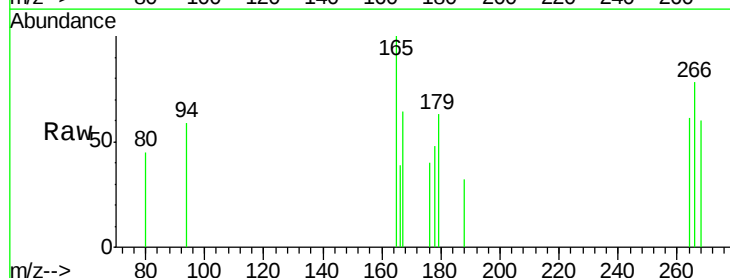
Instrument :
 BNA_E
 ClientSampleId :

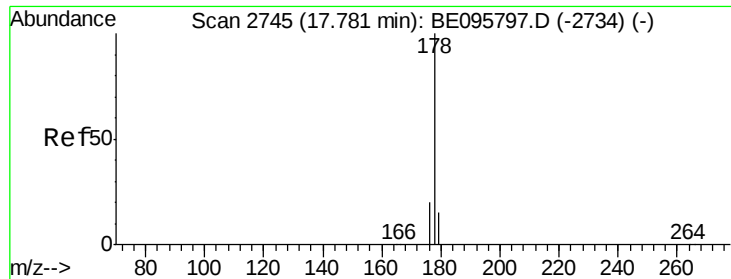
Tot Ion:166 Resp: 4725
 Ion Ratio Lower Upper
 166 100
 165 97.3 73.4 110.2
 167 15.5 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.368 ng/ul
 RT: 17.41 min Scan# 2692
 Delta R.T. 0.01 min
 Lab File: BE095806.D
 Acq: 15 Mar 2018 16:40

Tgt Ion:266 Resp: 354
 Ion Ratio Lower Upper
 266 100
 264 64.7 47.9 71.9
 268 79.7 49.8 74.8#





#12

Phenanthrene

Concen: 0.354 ng/ul

RT: 17.78 min Scan# 2745

Delta R.T. 0.00 min

Lab File: BE095806.D

Acq: 15 Mar 2018 16:40

Instrument :

BNA_E

ClientSampleId :

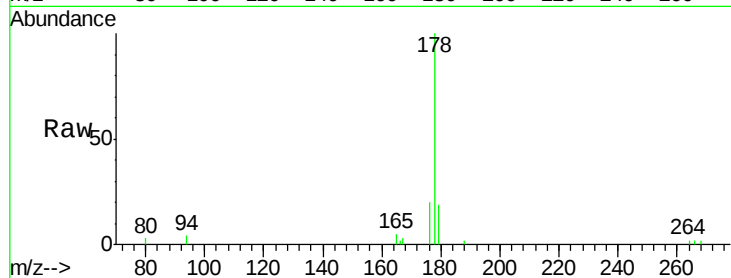
Tot Ion:178 Resp: 7258

Ion Ratio Lower Upper

178 100

179 18.9 18.4 27.6

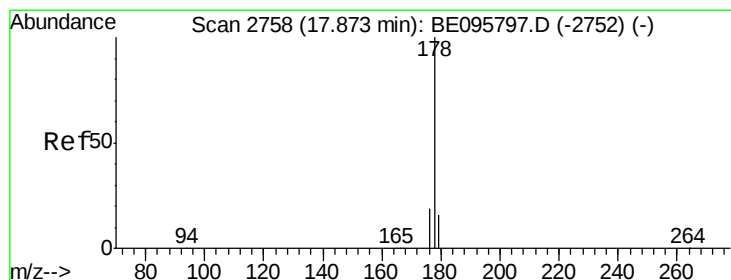
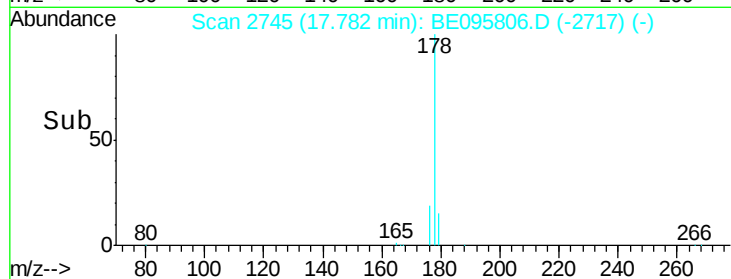
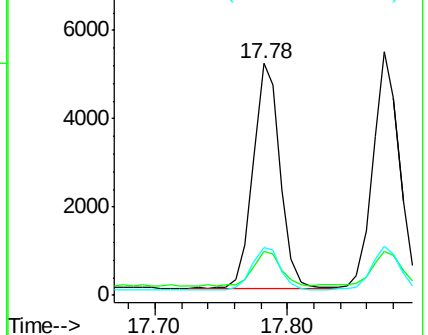
176 20.4 13.6 20.4



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



#13

Anthracene

Concen: 0.379 ng/ul

RT: 17.87 min Scan# 2758

Delta R.T. 0.00 min

Lab File: BE095806.D

Acq: 15 Mar 2018 16:40

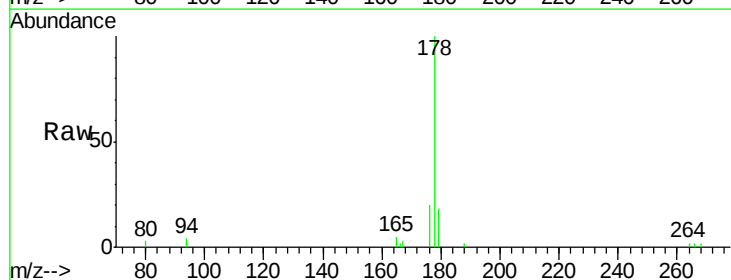
Tgt Ion:178 Resp: 7273

Ion Ratio Lower Upper

178 100

179 18.2 18.1 27.1

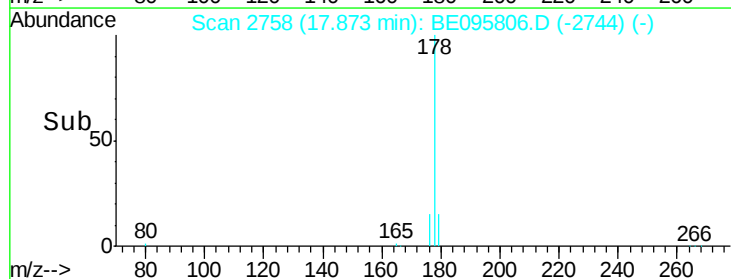
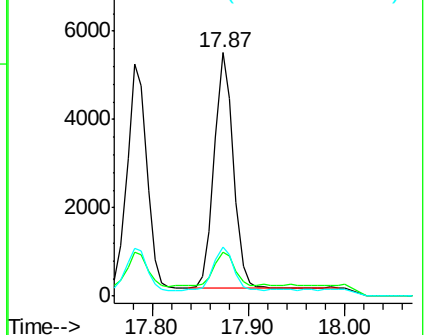
176 20.4 14.7 22.1

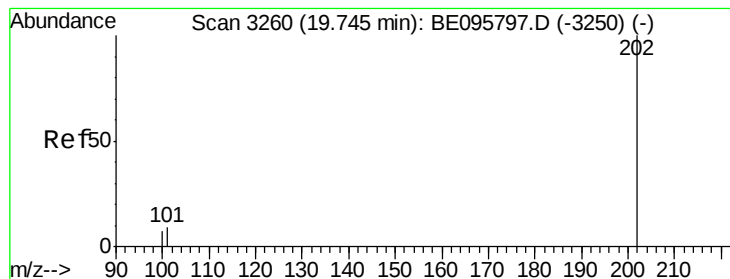


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.360 ng/ul

RT: 19.75 min Scan# 3262

Delta R.T. 0.01 min

Lab File: BE095806.D

Acq: 15 Mar 2018 16:40

Instrument :

BNA_E

ClientSampleId :

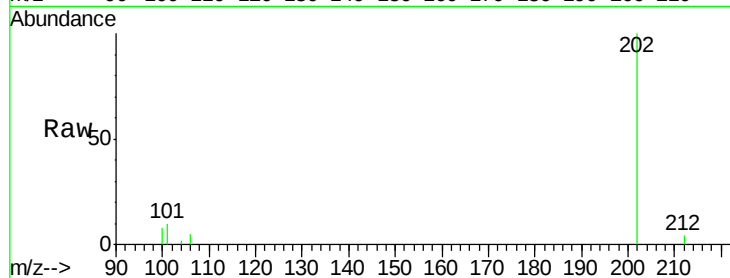
Tot Ion:202 Resp: 8957

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.3

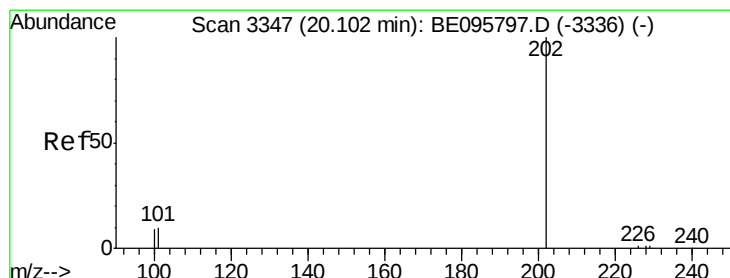
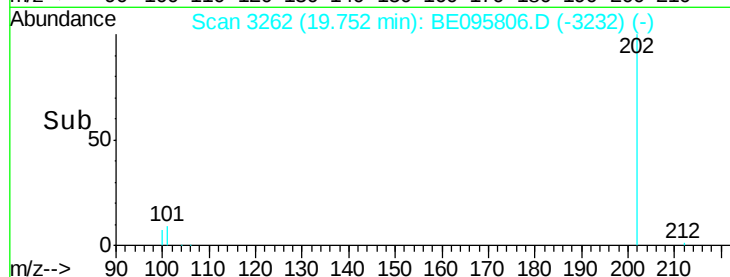
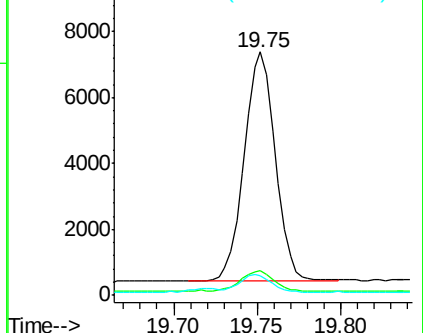
100 7.8 0.0 39.5



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: 0.339 ng/ul

RT: 20.10 min Scan# 3348

Delta R.T. 0.00 min

Lab File: BE095806.D

Acq: 15 Mar 2018 16:40

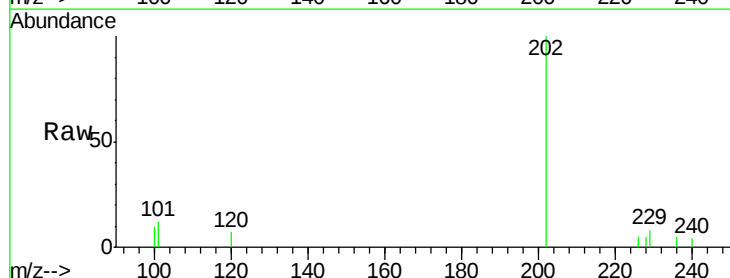
Tgt Ion:202 Resp: 9046

Ion Ratio Lower Upper

202 100

101 11.5 18.2 27.4#

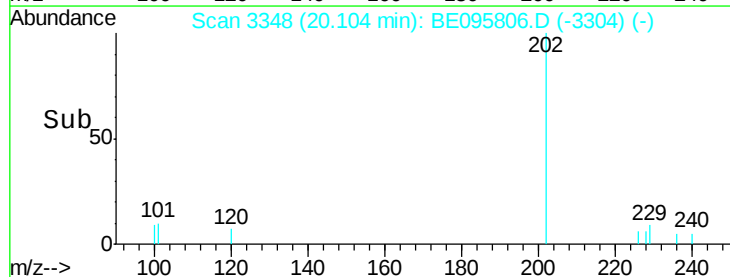
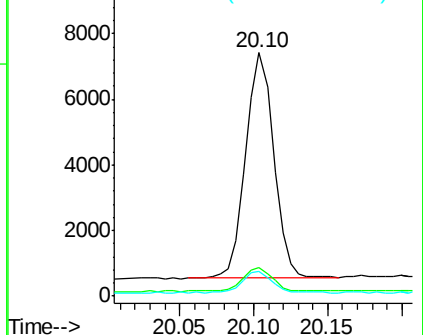
100 10.2 15.6 23.4#

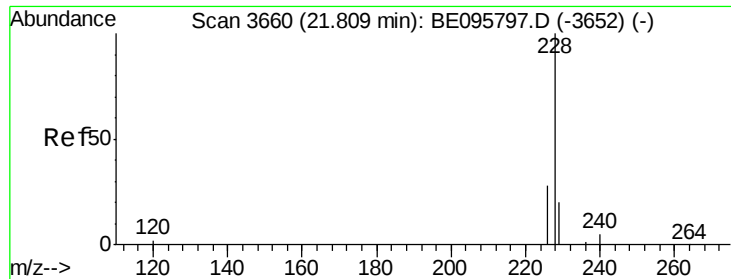


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.382 ng/ul

RT: 21.81 min Scan# 3662

Delta R.T. 0.01 min

Lab File: BE095806.D

Acq: 15 Mar 2018 16:40

Instrument :

BNA_E

ClientSampleId :

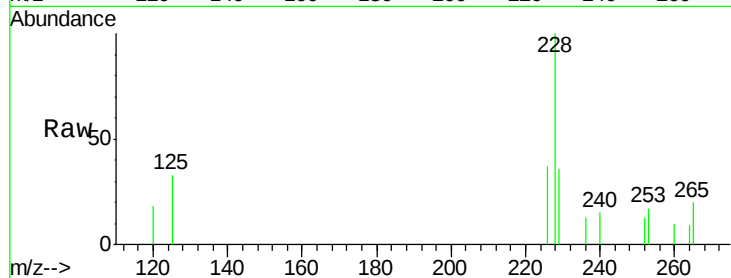
Tot Ion:228 Resp: 8660

Ion Ratio Lower Upper

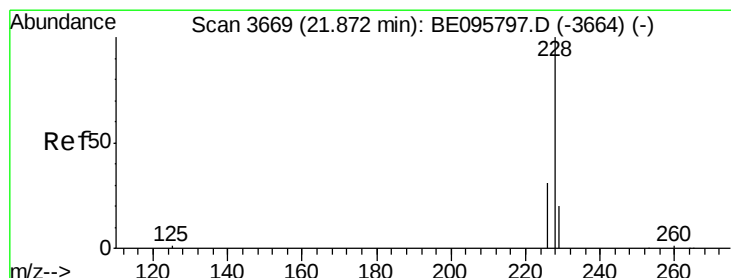
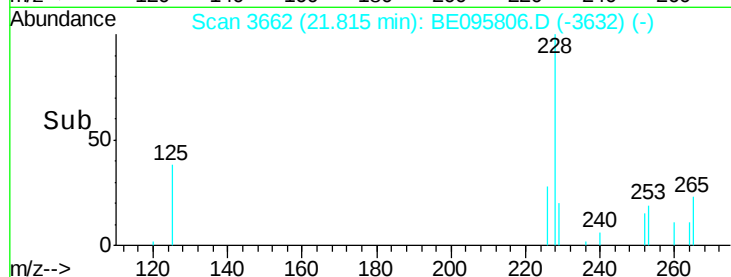
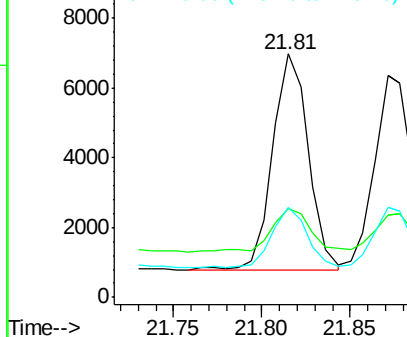
228 100

229 36.2 22.8 34.2#

226 36.8 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: 0.349 ng/ul

RT: 21.87 min Scan# 3670

Delta R.T. -0.00 min

Lab File: BE095806.D

Acq: 15 Mar 2018 16:40

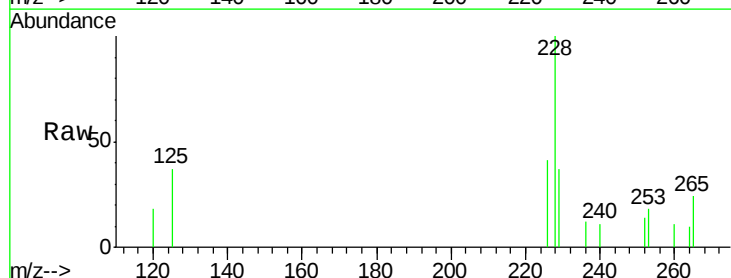
Tgt Ion:228 Resp: 8061

Ion Ratio Lower Upper

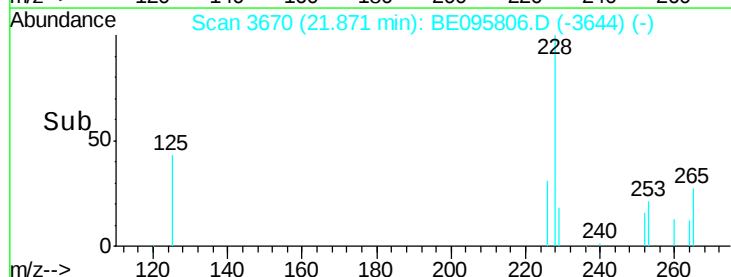
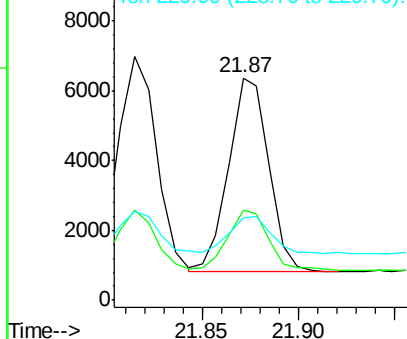
228 100

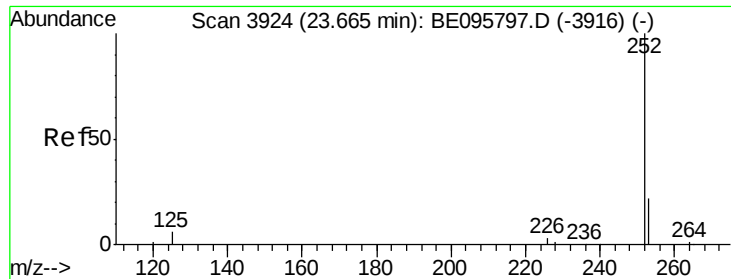
226 40.8 23.4 35.0#

229 37.3 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

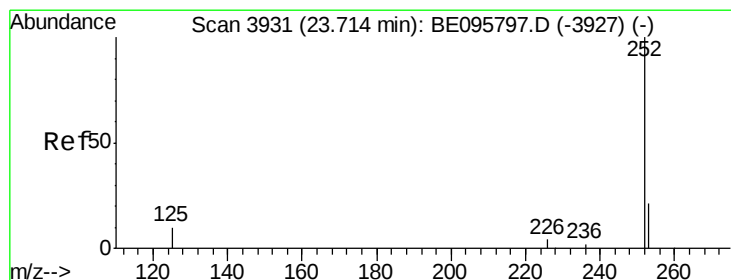
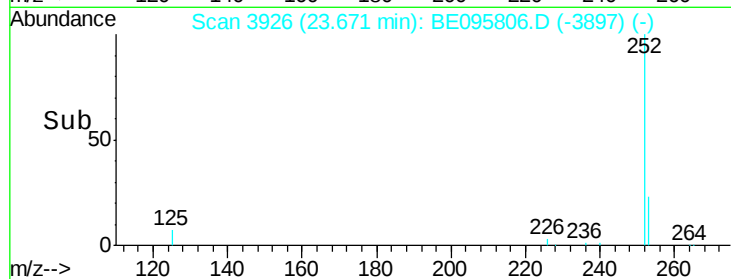
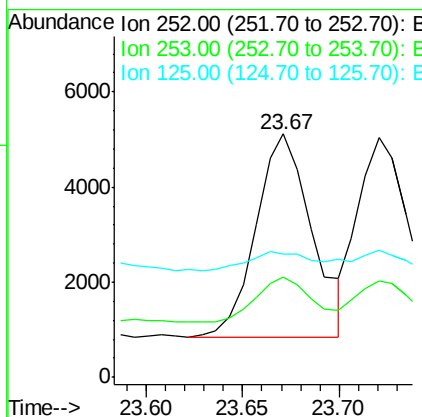
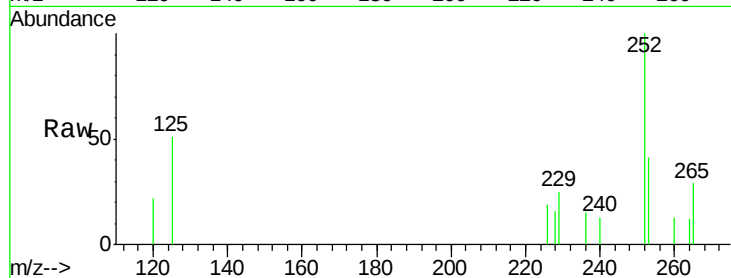




#21
Benzo(b)fluoranthene
Concen: 0.353 ng/ul
RT: 23.67 min Scan# 3926
Delta R.T. 0.01 min
Lab File: BE095806.D
Acq: 15 Mar 2018 16:40

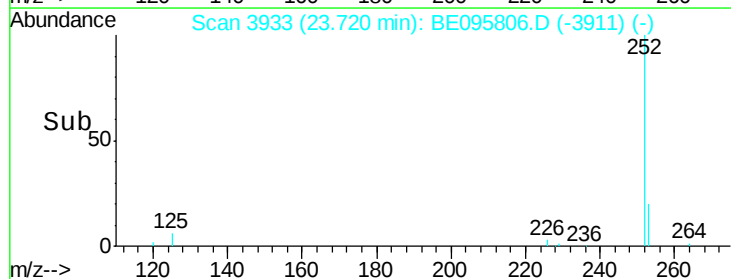
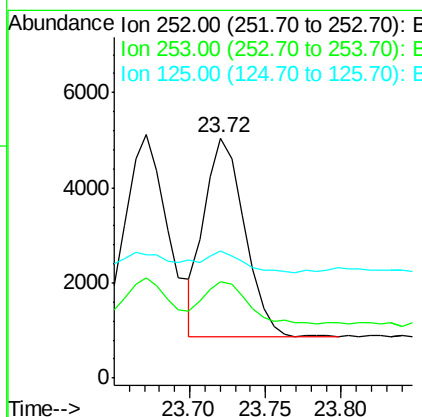
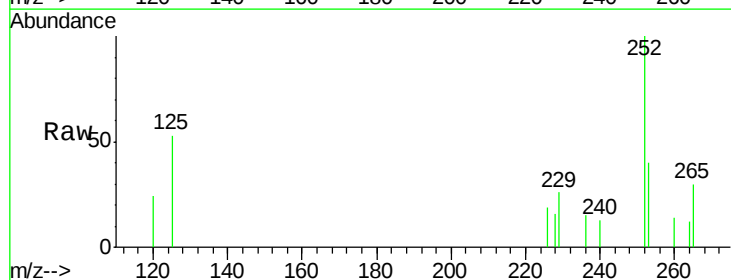
Instrument :
BNA_E
ClientSampleId :

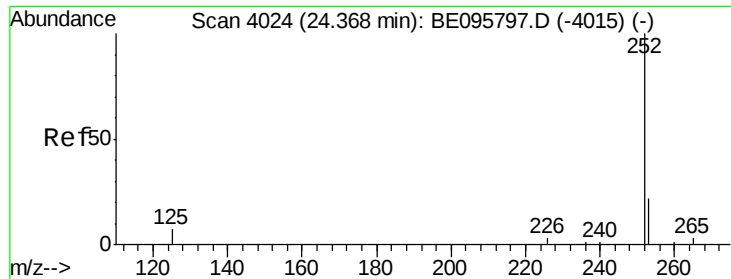
Tot Ion:252 Resp: 8570
Ion Ratio Lower Upper
252 100
253 41.0 0.0 64.2
125 50.8 0.0 35.0#



#22
Benzo(k)fluoranthene
Concen: 0.335 ng/ul
RT: 23.72 min Scan# 3933
Delta R.T. 0.01 min
Lab File: BE095806.D
Acq: 15 Mar 2018 16:40

Tgt Ion:252 Resp: 7726
Ion Ratio Lower Upper
252 100
253 40.2 24.5 36.7#
125 52.8 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.355 ng/ul

RT: 24.38 min Scan# 4027

Delta R.T. 0.01 min

Lab File: BE095806.D

Acq: 15 Mar 2018 16:40

Instrument :

BNA_E

ClientSampleId :

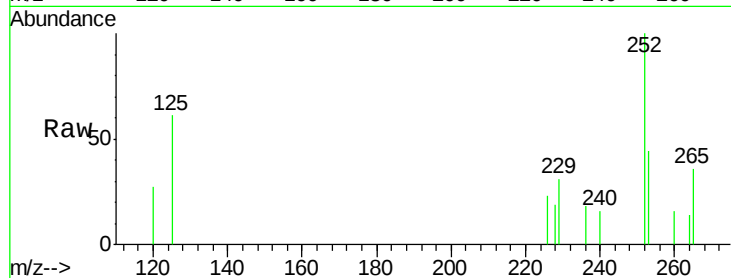
Tot Ion:252 Resp: 7864

Ion Ratio Lower Upper

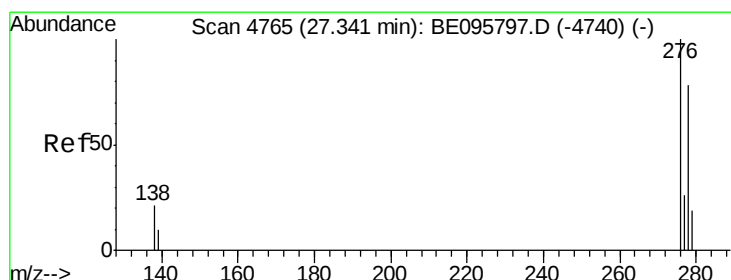
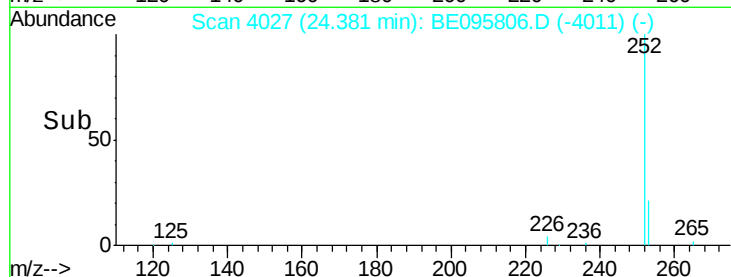
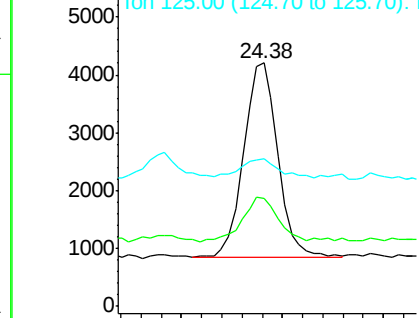
252 100

253 44.3 28.5 42.7#

125 60.6 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: 0.339 ng/ul

RT: 27.36 min Scan# 4772

Delta R.T. 0.02 min

Lab File: BE095806.D

Acq: 15 Mar 2018 16:40

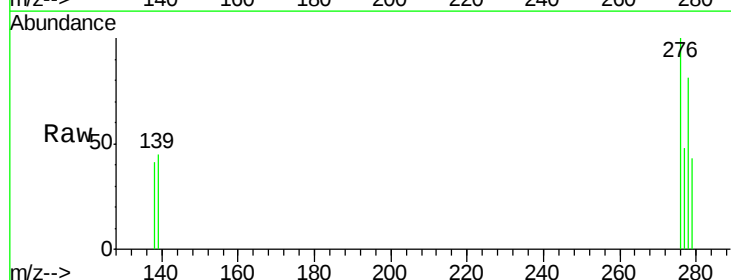
Tgt Ion:276 Resp: 8328

Ion Ratio Lower Upper

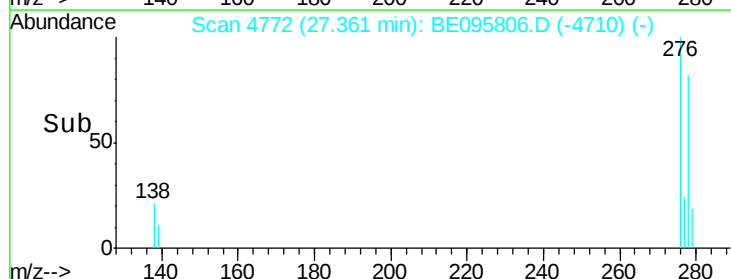
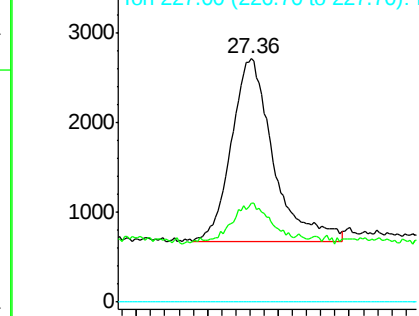
276 100

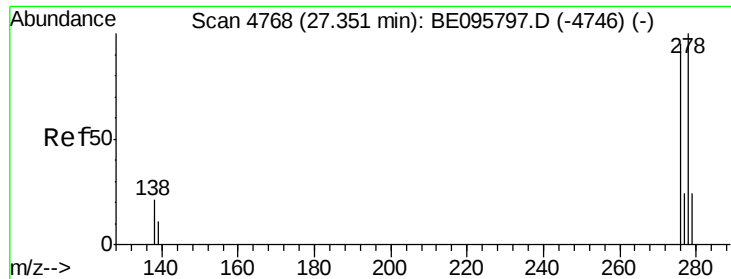
138 18.2 28.0 42.0#

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

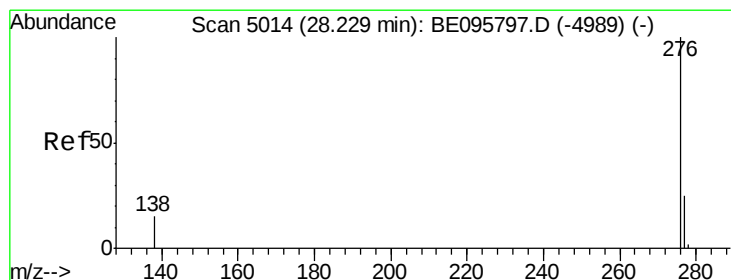
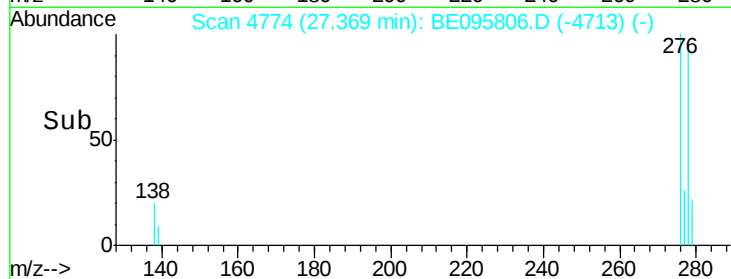
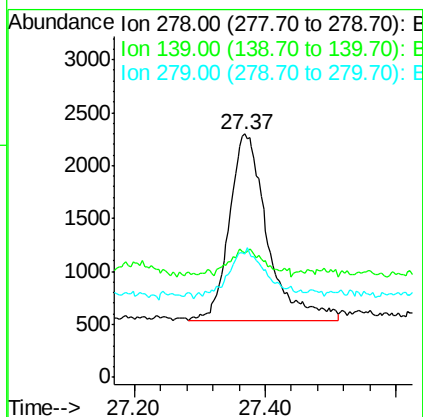
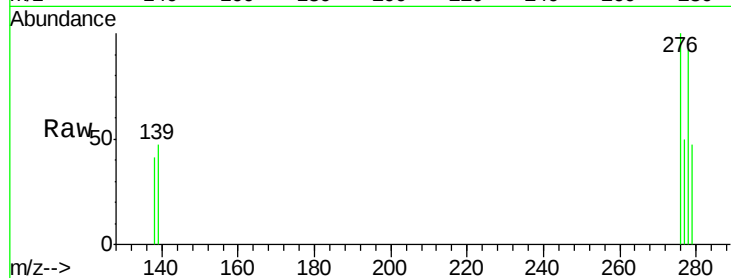




#25
Dibenzo(a,h)anthracene
Concen: 0.366 ng/ul
RT: 27.37 min Scan# 4774
Delta R.T. 0.02 min
Lab File: BE095806.D
Acq: 15 Mar 2018 16:40

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 7178
Ion Ratio Lower Upper
278 100
139 51.2 17.4 26.0#
279 50.8 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.297 ng/ul
RT: 28.26 min Scan# 5023
Delta R.T. 0.03 min
Lab File: BE095806.D
Acq: 15 Mar 2018 16:40

Tgt Ion:276 Resp: 6269
Ion Ratio Lower Upper
276 100
138 45.9 21.8 32.8#
277 52.8 20.5 30.7#

