

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031418\
 Data File : BE095756.D
 Acq On : 14 Mar 2018 10:03
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 15 01:28:28 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 11:55:57 2018
 Response via : Initial Calibration

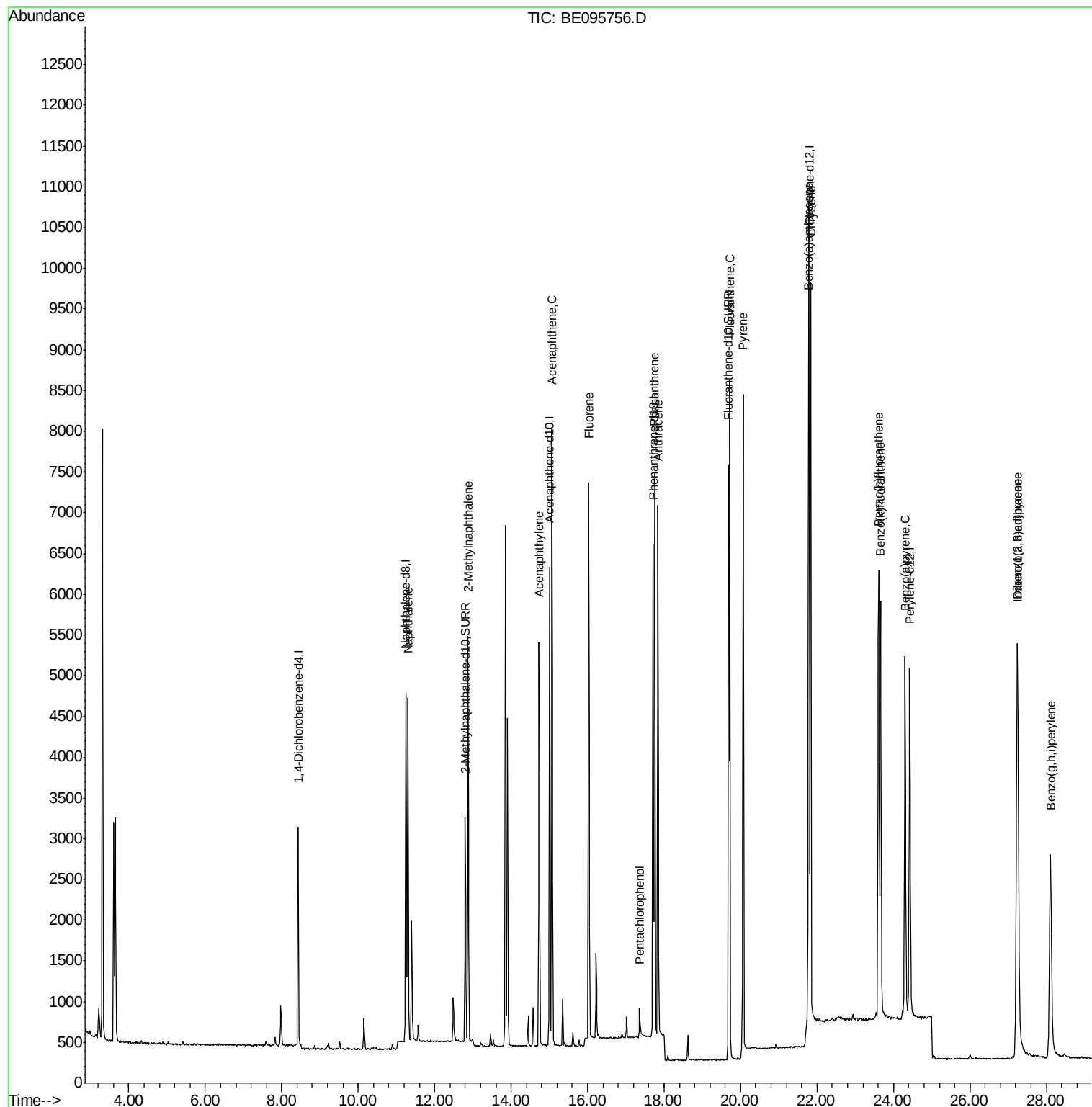
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1950	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	5751	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	3242	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	7146	0.40	ng/ul	0.00
16) Chrysene-d12	21.79	240	7207	0.40	ng/ul	0.00
20) Perylene-d12	24.42	264	6641	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.80	152	3552	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	8157	0.36	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.30	128	5857	0.365	ng/ul#	89
5) 2-Methylnaphthalene	12.87	142	4066	0.364	ng/ul	99
7) Acenaphthylene	14.73	152	5844	0.357	ng/ul	98
8) Acenaphthene	15.07	153	4368	0.354	ng/ul	93
9) Fluorene	16.03	166	4714	0.352	ng/ul#	89
11) Pentachlorophenol	17.37	266	264	0.263	ng/ul	99
12) Phenanthrene	17.75	178	7644	0.357	ng/ul#	90
13) Anthracene	17.84	178	7101	0.355	ng/ul#	90
15) Fluoranthene	19.72	202	9357	0.361	ng/ul	84
17) Pyrene	20.07	202	9890	0.361	ng/ul#	78
18) Benzo(a)anthracene	21.78	228	8277	0.356	ng/ul#	86
19) Chrysene	21.84	228	8628	0.364	ng/ul	96
21) Benzo(b)fluoranthene	23.61	252	8282	0.360	ng/ul	84
22) Benzo(k)fluoranthene	23.66	252	7706	0.352	ng/ul#	87
23) Benzo(a)pyrene	24.31	252	7522	0.358	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	27.23	276	8226	0.353	ng/ul#	77
25) Dibenzo(a,h)anthracene	27.25	278	6467	0.347	ng/ul#	90
26) Benzo(g,h,i)perylene	28.11	276	7069	0.353	ng/ul#	94

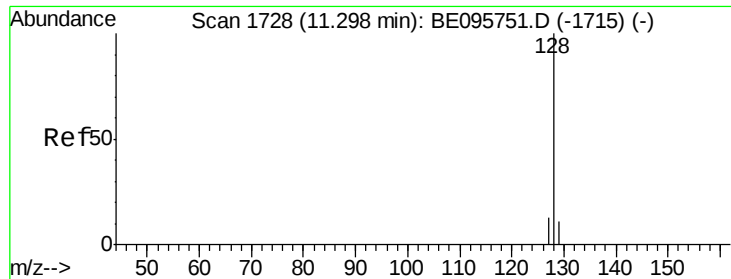
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.365 ng/ul

RT: 11.30 min Scan# 1729

Delta R.T. 0.00 min

Lab File: BE095756.D

Acq: 14 Mar 2018 10:03

Instrument :

BNA_E

ClientSampleId :

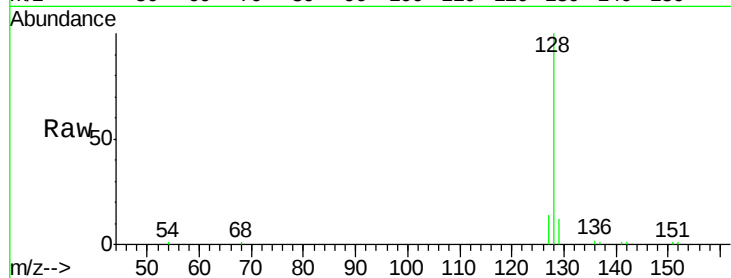
Tot Ion:128 Resp: 5857

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

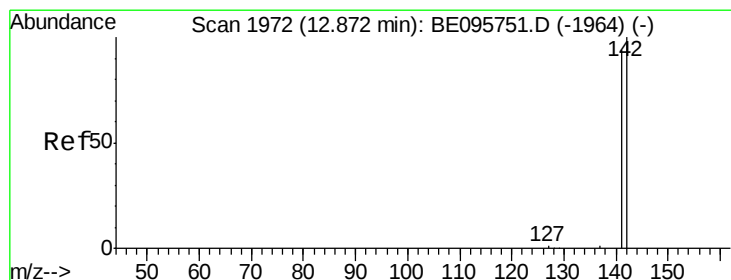
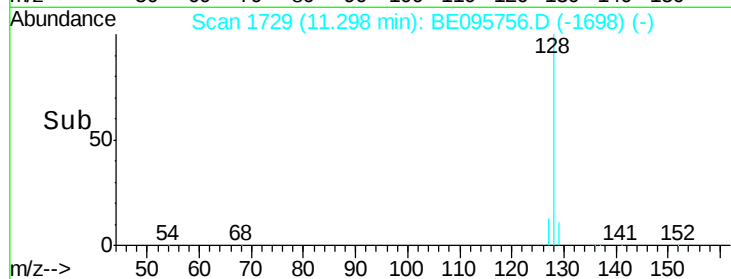
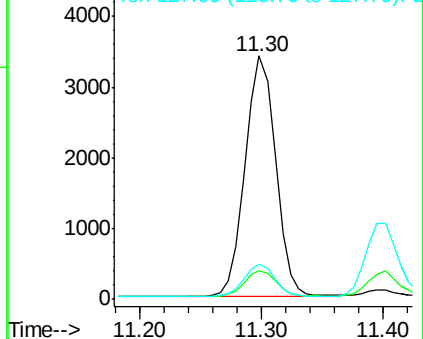
127 14.3 4.0 6.0#



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: 0.364 ng/ul

RT: 12.87 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BE095756.D

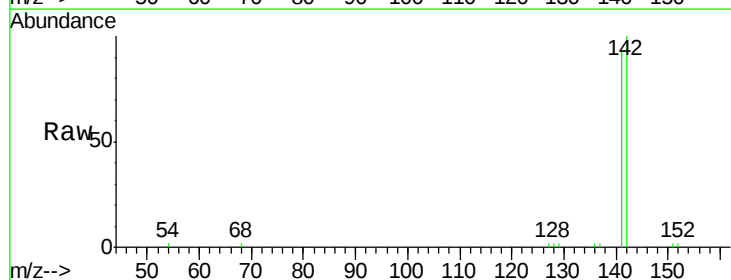
Acq: 14 Mar 2018 10:03

Tgt Ion:142 Resp: 4066

Ion Ratio Lower Upper

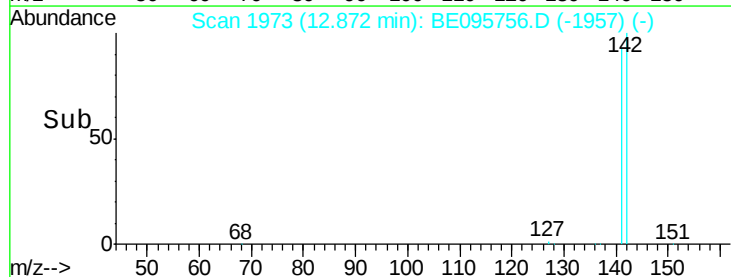
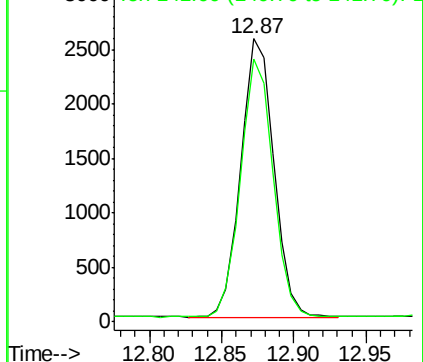
142 100

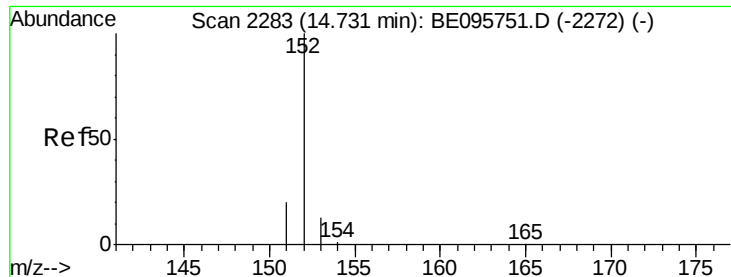
141 91.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.357 ng/ul

RT: 14.73 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BE095756.D

Acq: 14 Mar 2018 10:03

Instrument :

BNA_E

ClientSampleId :

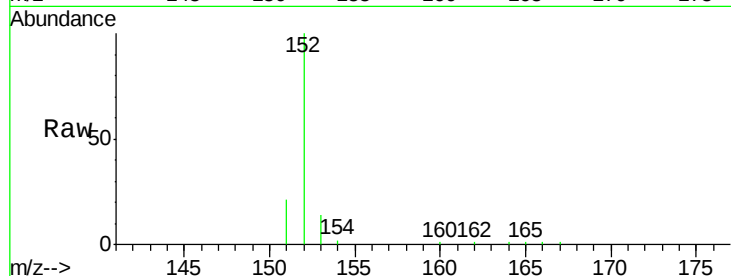
Tot Ion:152 Resp: 5844

Ion Ratio Lower Upper

152 100

151 21.1 17.1 25.7

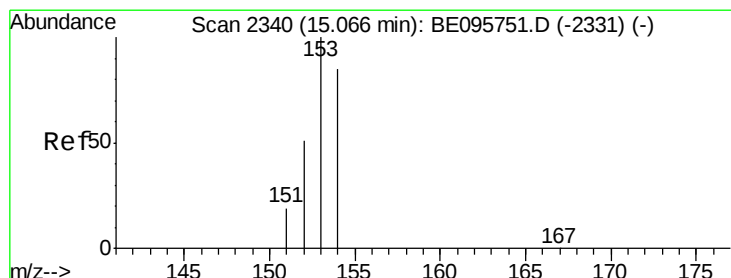
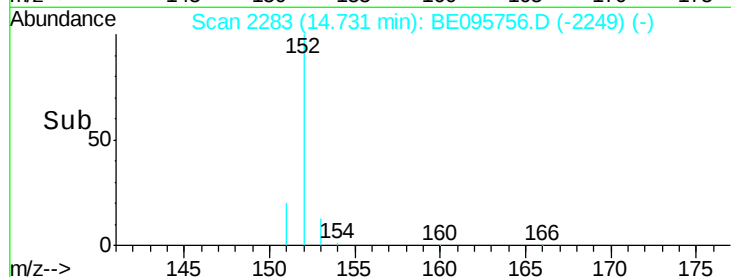
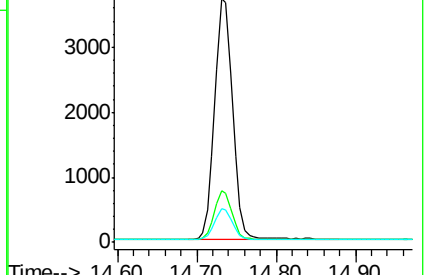
153 14.1 12.8 19.2



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: 0.354 ng/ul

RT: 15.07 min Scan# 2340

Delta R.T. -0.00 min

Lab File: BE095756.D

Acq: 14 Mar 2018 10:03

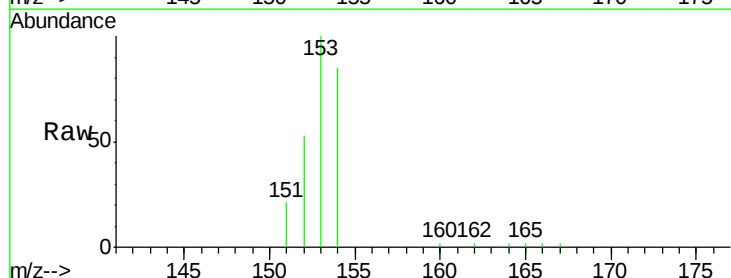
Tgt Ion:153 Resp: 4368

Ion Ratio Lower Upper

153 100

152 52.7 36.0 54.0

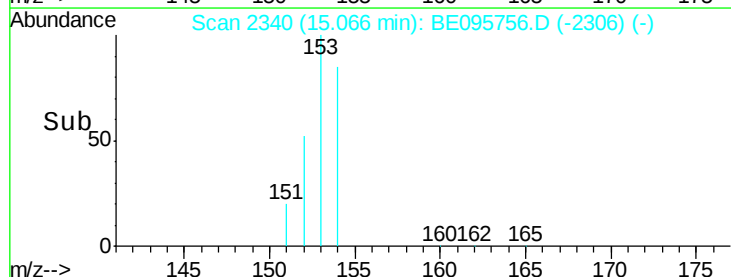
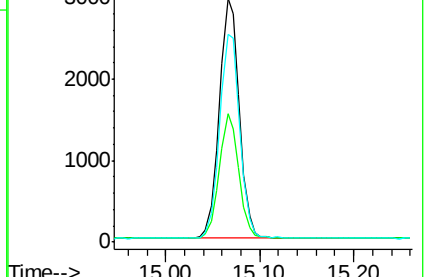
154 85.2 72.0 108.0

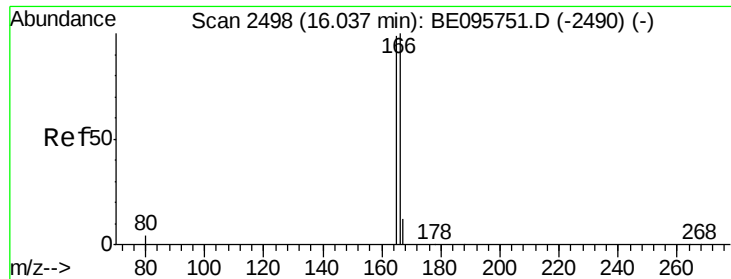


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.352 ng/ul

RT: 16.03 min Scan# 2497

Delta R.T. -0.01 min

Lab File: BE095756.D

Acq: 14 Mar 2018 10:03

Instrument :

BNA_E

ClientSampleId :

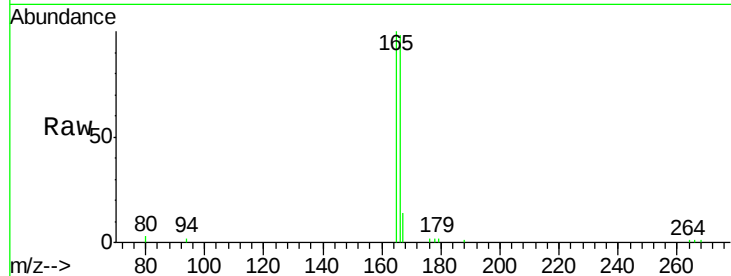
Tot Ion:166 Resp: 4714

Ion Ratio Lower Upper

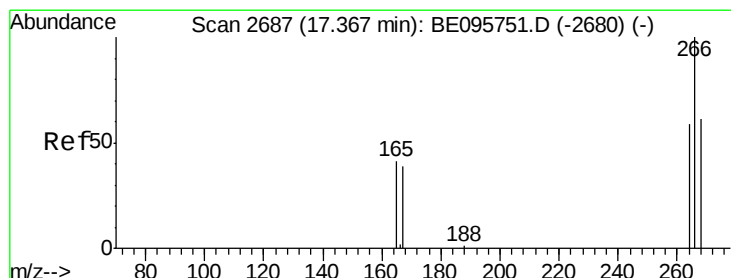
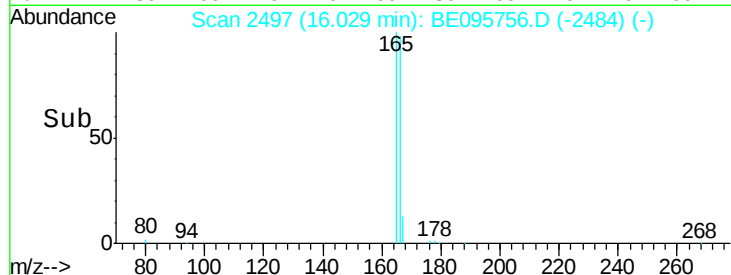
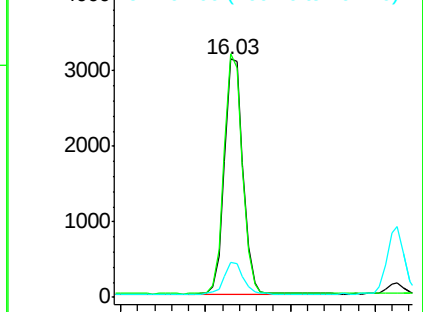
166 100

165 102.3 73.4 110.2

167 14.4 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: 0.263 ng/ul

RT: 17.37 min Scan# 2687

Delta R.T. -0.00 min

Lab File: BE095756.D

Acq: 14 Mar 2018 10:03

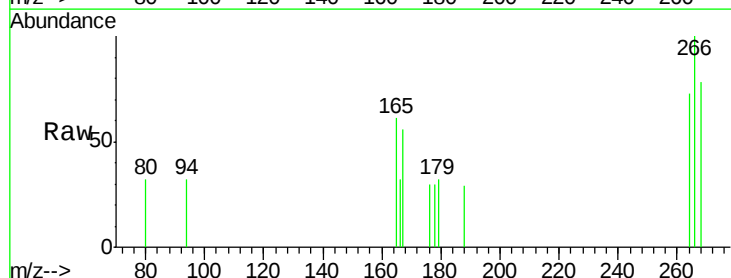
Tgt Ion:266 Resp: 264

Ion Ratio Lower Upper

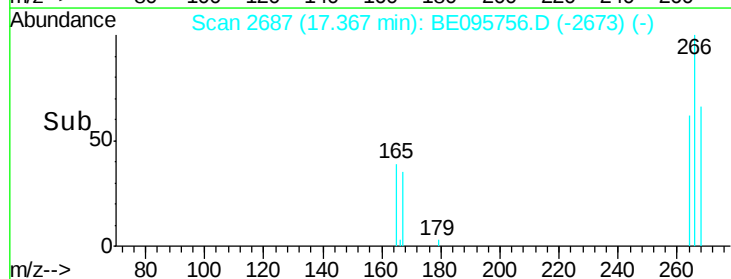
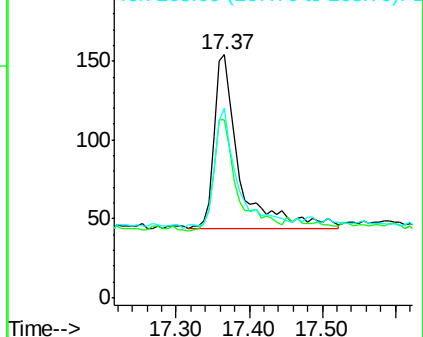
266 100

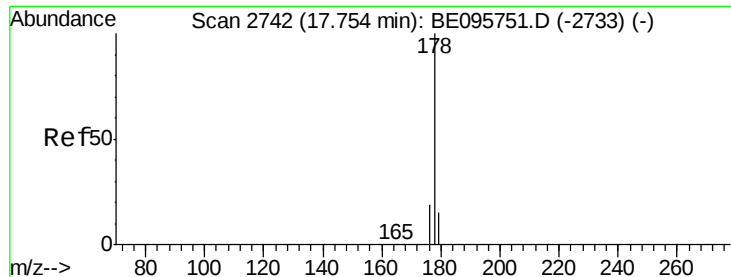
264 61.0 47.9 71.9

268 63.3 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: 0.357 ng/ul

RT: 17.75 min Scan# 2742

Delta R.T. -0.00 min

Lab File: BE095756.D

Acq: 14 Mar 2018 10:03

Instrument :

BNA_E

ClientSampleId :

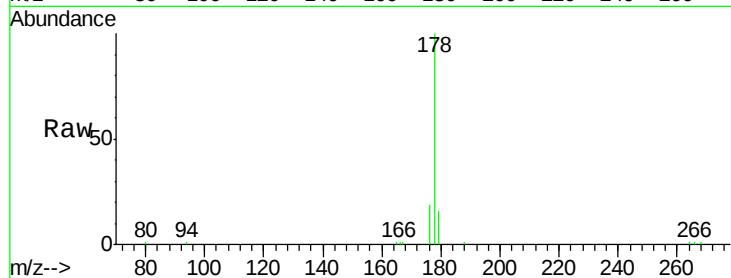
Tot Ion:178 Resp: 7644

Ion Ratio Lower Upper

178 100

179 16.2 18.4 27.6#

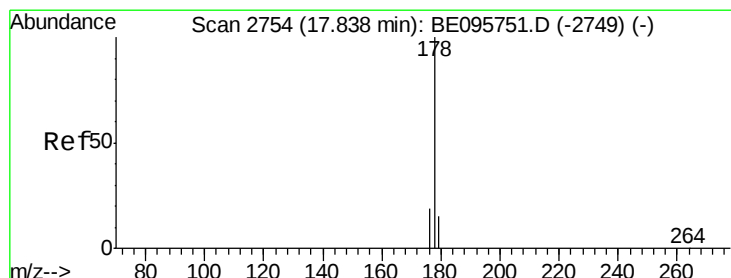
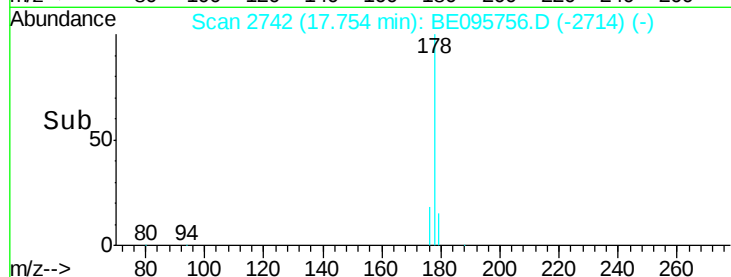
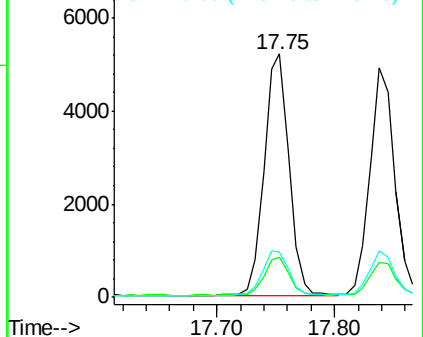
176 18.7 13.6 20.4



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: 0.355 ng/ul

RT: 17.84 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE095756.D

Acq: 14 Mar 2018 10:03

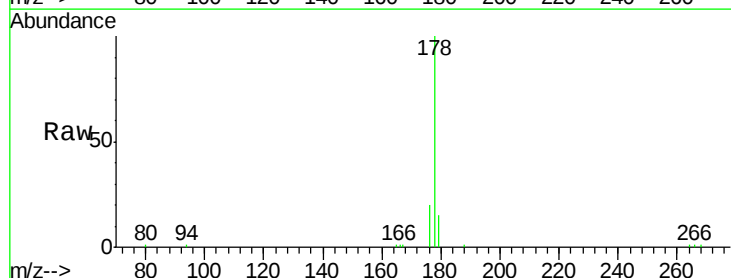
Tgt Ion:178 Resp: 7101

Ion Ratio Lower Upper

178 100

179 15.2 18.1 27.1#

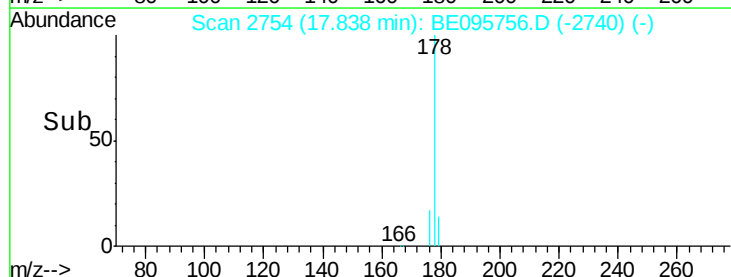
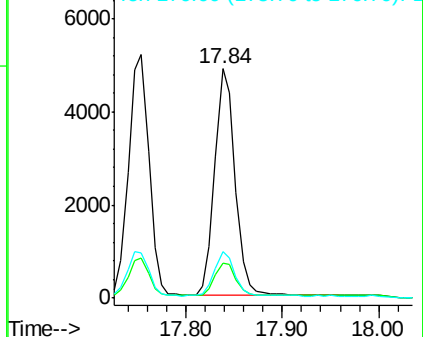
176 20.2 14.7 22.1

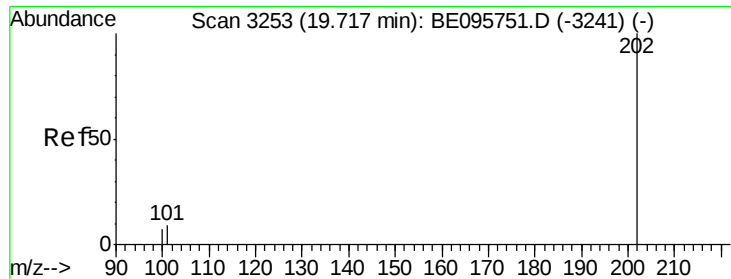


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.361 ng/ul

RT: 19.72 min Scan# 3253

Delta R.T. -0.00 min

Lab File: BE095756.D

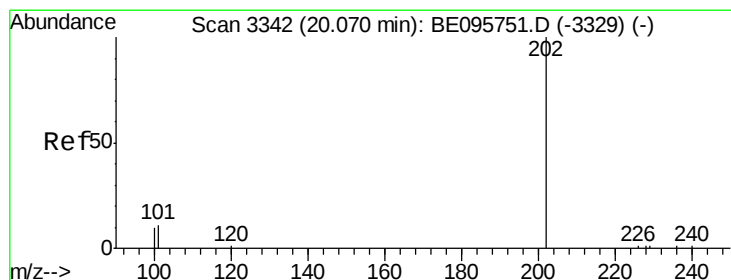
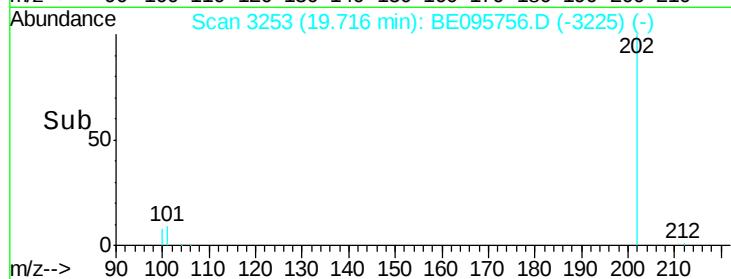
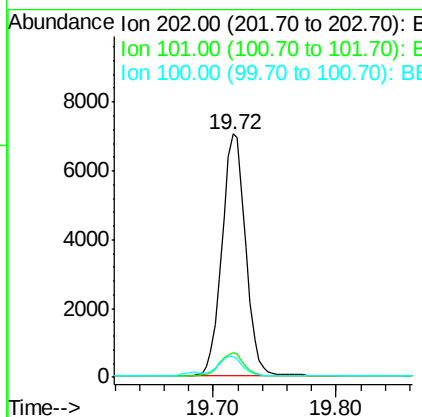
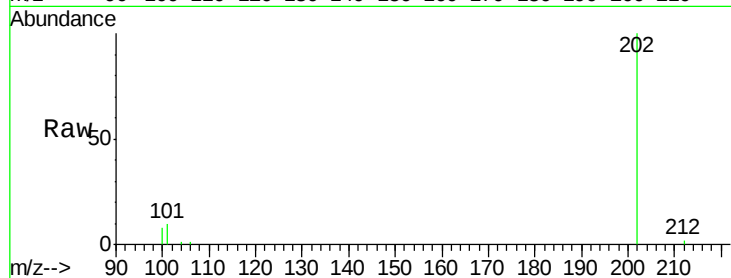
Acq: 14 Mar 2018 10:03

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	202	Resp:	9357
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.3
100	8.4	0.0	39.5



#17

Pyrene

Concen: 0.361 ng/ul

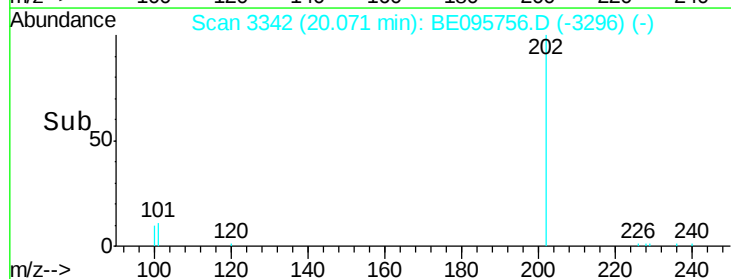
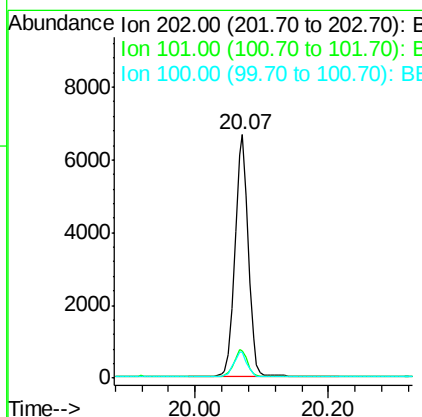
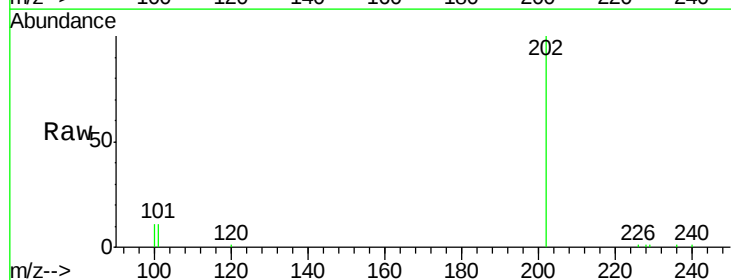
RT: 20.07 min Scan# 3342

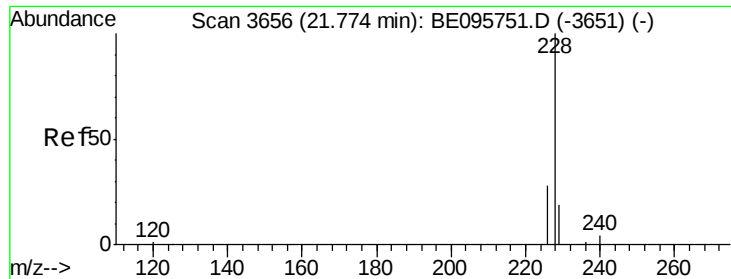
Delta R.T. 0.00 min

Lab File: BE095756.D

Acq: 14 Mar 2018 10:03

Tgt Ion:	202	Resp:	9890
Ion	Ratio	Lower	Upper
202	100		
101	11.4	18.2	27.4#
100	10.7	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.356 ng/ul

RT: 21.78 min Scan# 3657

Delta R.T. 0.01 min

Lab File: BE095756.D

Acq: 14 Mar 2018 10:03

Instrument :

BNA_E

ClientSampleId :

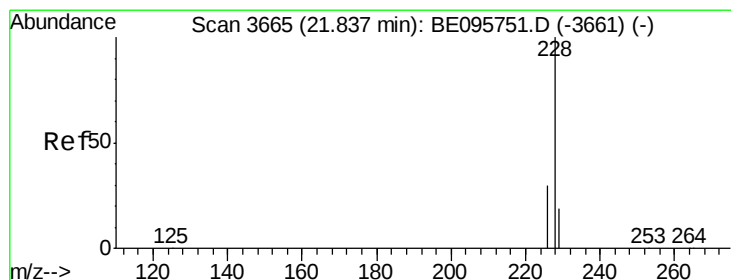
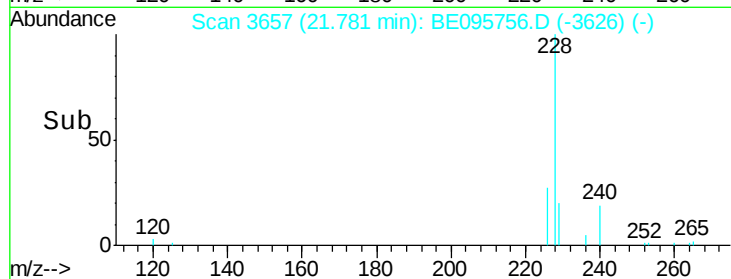
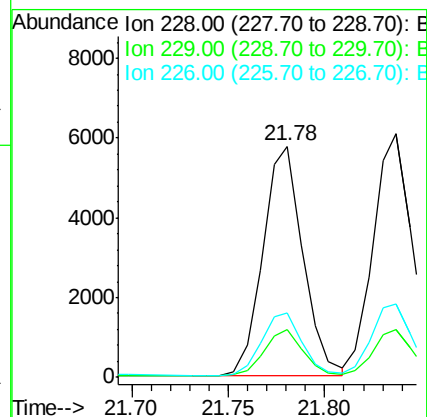
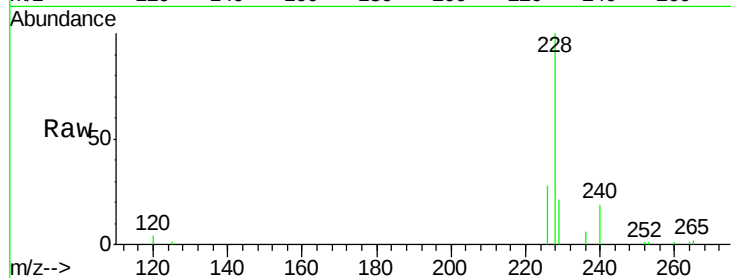
Tot Ion:228 Resp: 8277

Ion Ratio Lower Upper

228 100

229 20.9 22.8 34.2#

226 27.7 17.0 25.6#



#19

Chrysene

Concen: 0.364 ng/ul

RT: 21.84 min Scan# 3665

Delta R.T. 0.00 min

Lab File: BE095756.D

Acq: 14 Mar 2018 10:03

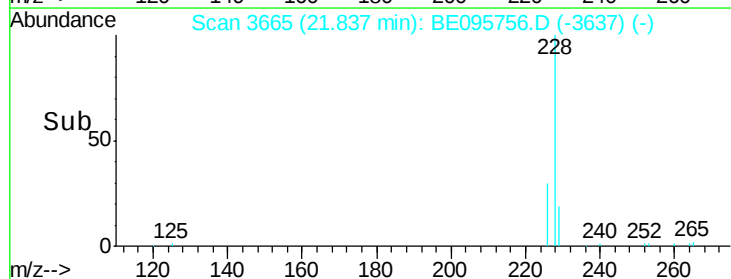
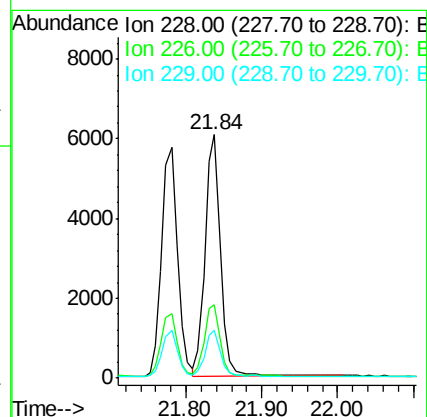
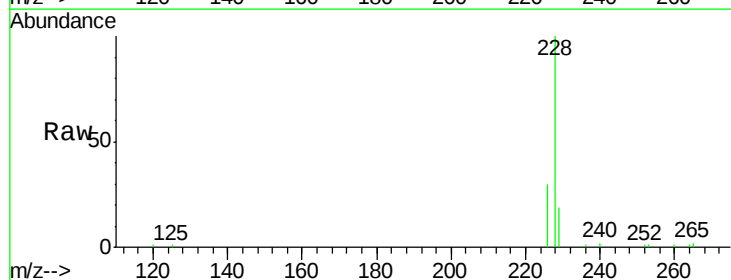
Tgt Ion:228 Resp: 8628

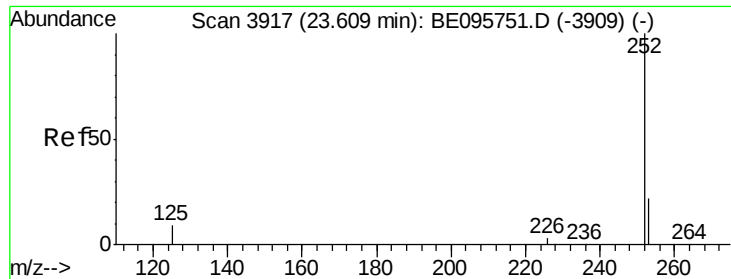
Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

229 19.5 17.7 26.5

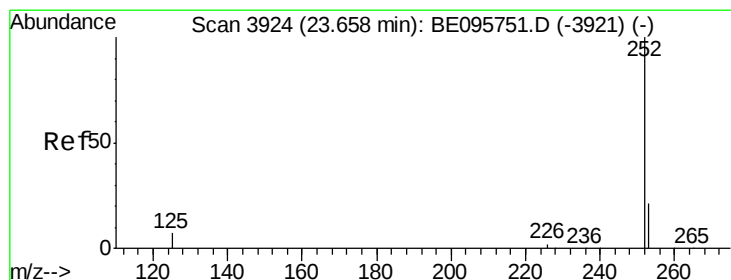
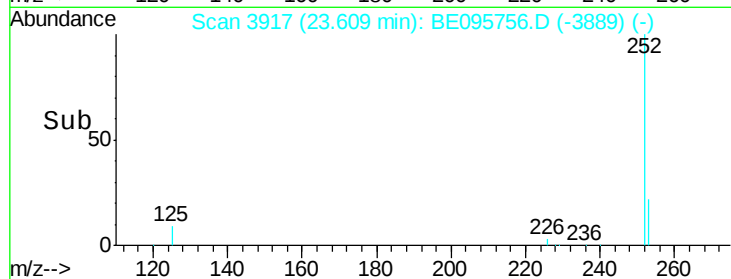
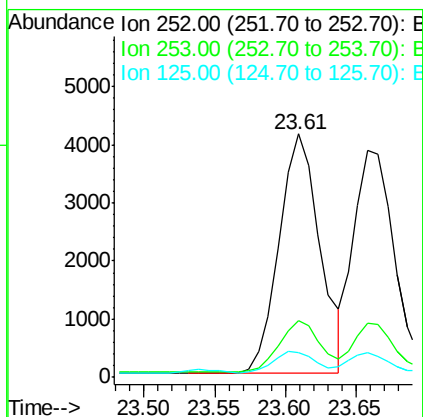
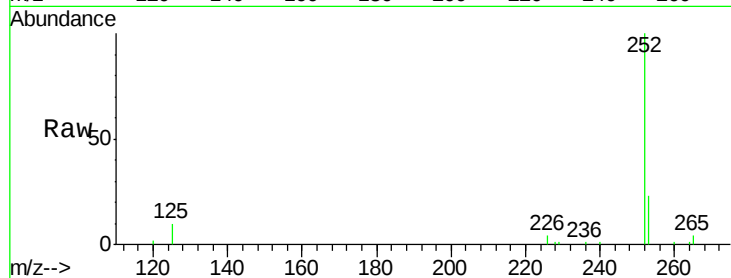




#21
Benzo(b)fluoranthene
Concen: 0.360 ng/ul
RT: 23.61 min Scan# 3917
Delta R.T. 0.00 min
Lab File: BE095756.D
Acq: 14 Mar 2018 10:03

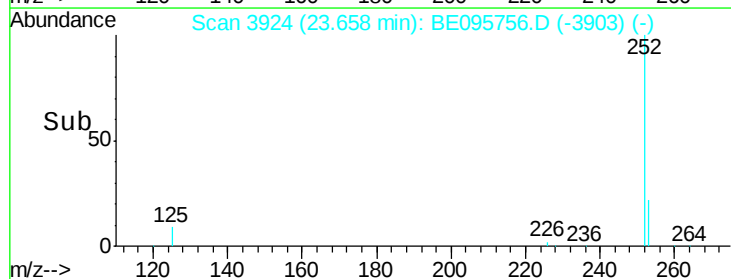
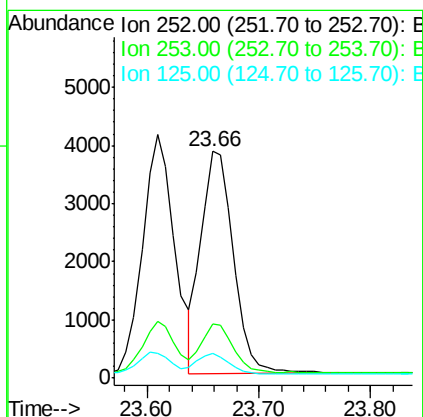
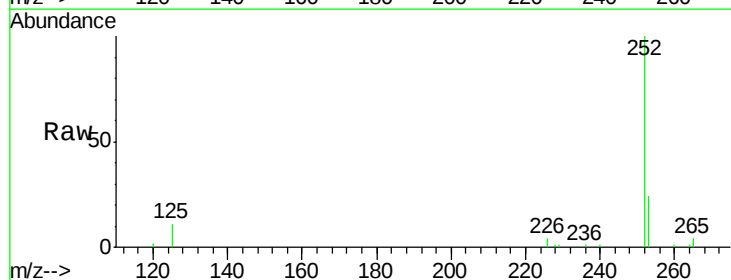
Instrument :
BNA_E
ClientSampleId :

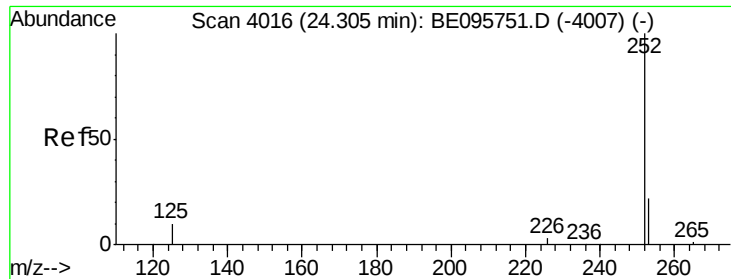
Tot Ion:252 Resp: 8282
Ion Ratio Lower Upper
252 100
253 23.4 0.0 64.2
125 10.2 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.352 ng/ul
RT: 23.66 min Scan# 3924
Delta R.T. 0.00 min
Lab File: BE095756.D
Acq: 14 Mar 2018 10:03

Tgt Ion:252 Resp: 7706
Ion Ratio Lower Upper
252 100
253 23.6 24.5 36.7#
125 11.2 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.358 ng/ul

RT: 24.31 min Scan# 4016

Delta R.T. 0.00 min

Lab File: BE095756.D

Acq: 14 Mar 2018 10:03

Instrument :

BNA_E

ClientSampleId :

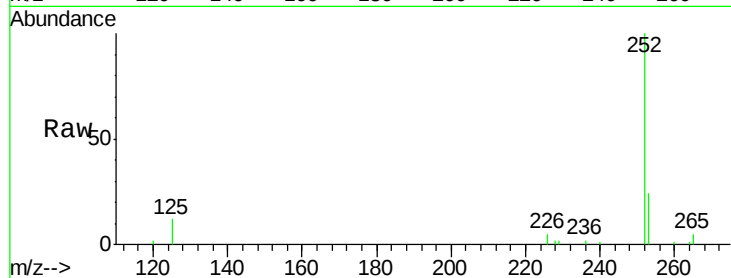
Tot Ion:252 Resp: 7522

Ion Ratio Lower Upper

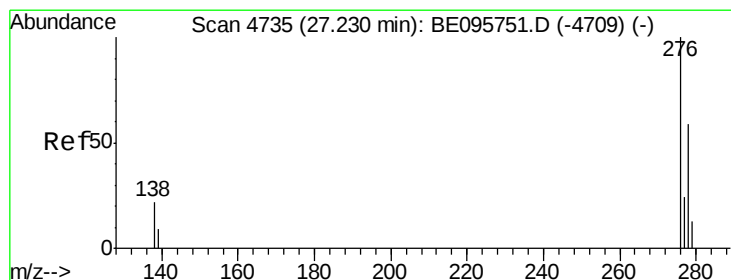
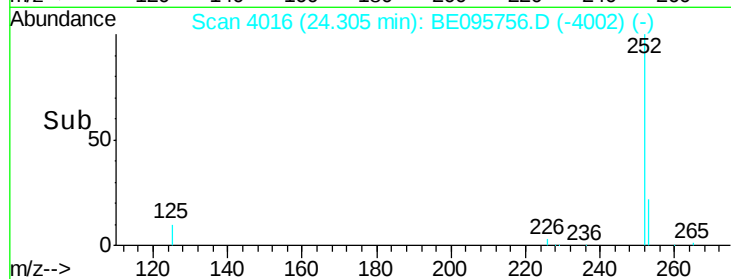
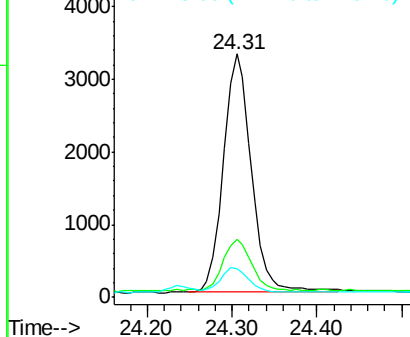
252 100

253 23.9 28.5 42.7#

125 11.8 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: 0.353 ng/ul

RT: 27.23 min Scan# 4736

Delta R.T. 0.00 min

Lab File: BE095756.D

Acq: 14 Mar 2018 10:03

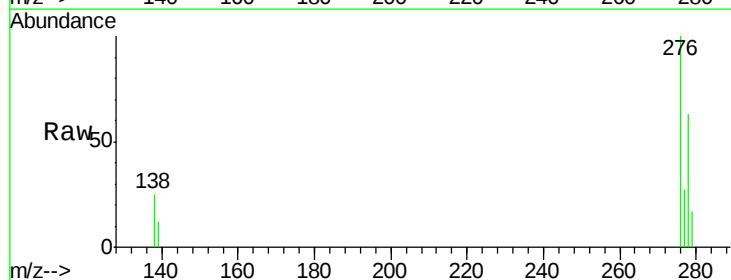
Tgt Ion:276 Resp: 8226

Ion Ratio Lower Upper

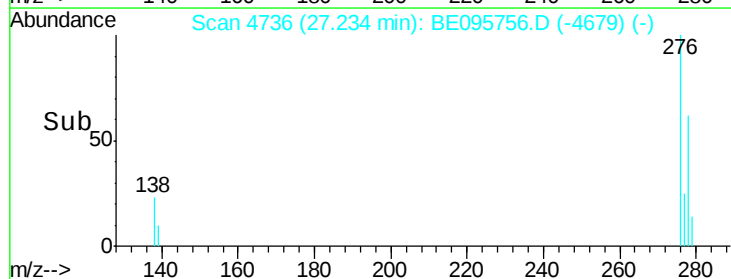
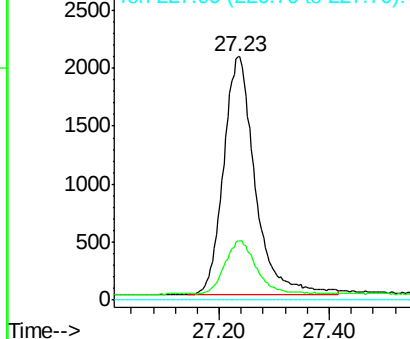
276 100

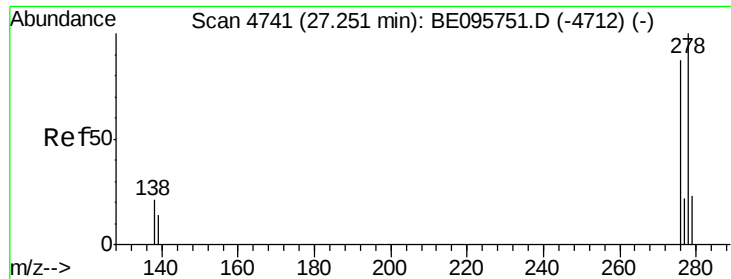
138 22.1 28.0 42.0#

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

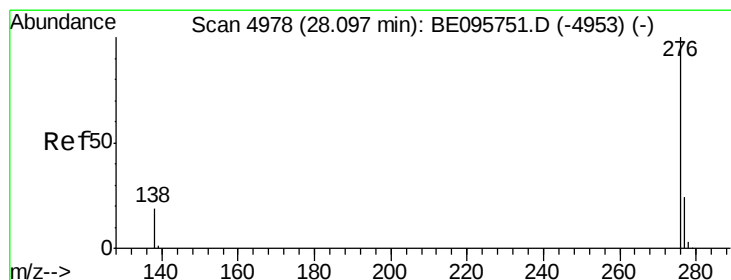
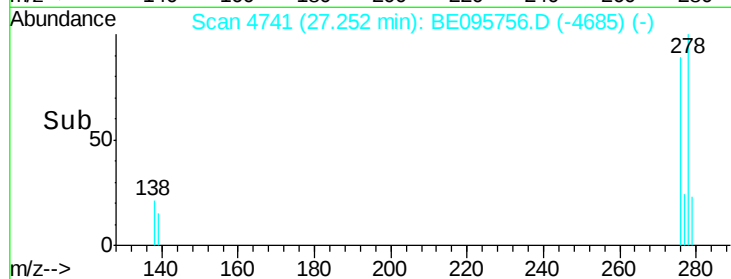
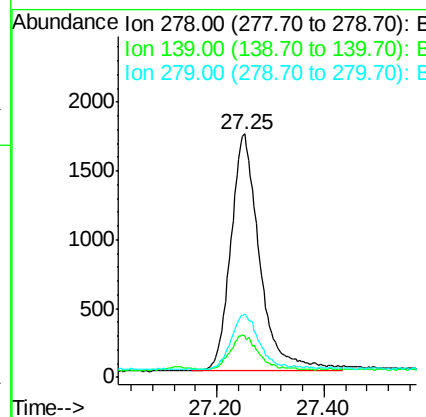
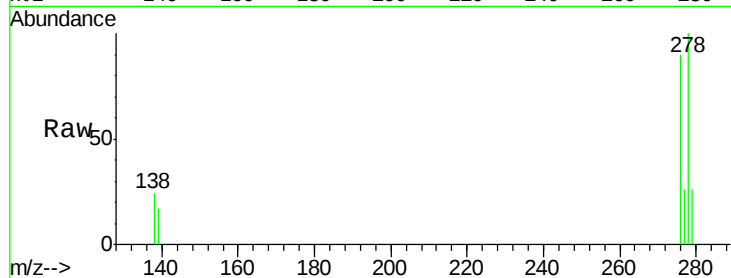




#25
Dibenzo(a,h)anthracene
Concen: 0.347 ng/ul
RT: 27.25 min Scan# 4741
Delta R.T. 0.00 min
Lab File: BE095756.D
Acq: 14 Mar 2018 10:03

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 6467
Ion Ratio Lower Upper
278 100
139 17.2 17.4 26.0#
279 26.2 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.353 ng/ul
RT: 28.11 min Scan# 4981
Delta R.T. 0.01 min
Lab File: BE095756.D
Acq: 14 Mar 2018 10:03

Tgt Ion:276 Resp: 7069
Ion Ratio Lower Upper
276 100
138 21.3 21.8 32.8#
277 25.8 20.5 30.7

