

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031418\
 Data File : BE095783.D
 Acq On : 15 Mar 2018 2:33
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 15 03:44:10 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 03:09:28 2018
 Response via : Initial Calibration

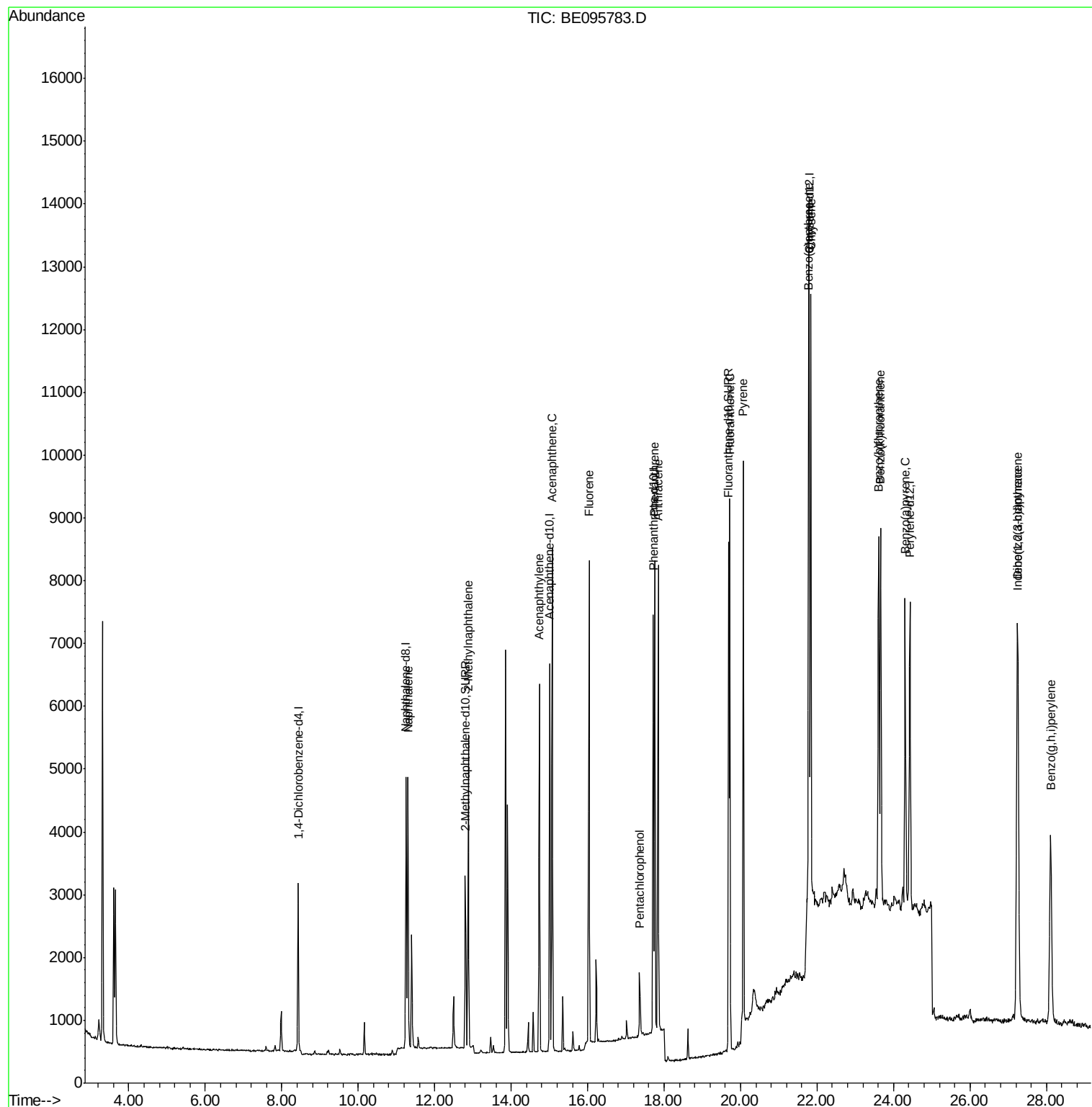
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1880	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	5757	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	3446	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	7599	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	7615	0.40	ng/ul	0.00
20) Perylene-d12	24.43	264	7516	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.80	152	3647	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	9140	0.38	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.30	128	5883	0.366	ng/ul#	89
5) 2-Methylnaphthalene	12.88	142	4170	0.373	ng/ul	100
7) Acenaphthylene	14.74	152	6463	0.371	ng/ul	98
8) Acenaphthene	15.07	153	4580	0.350	ng/ul	96
9) Fluorene	16.04	166	5099	0.359	ng/ul	92
11) Pentachlorophenol	17.37	266	615	0.576	ng/ul	97
12) Phenanthrene	17.75	178	7994	0.351	ng/ul#	88
13) Anthracene	17.84	178	8064	0.379	ng/ul#	92
15) Fluoranthene	19.72	202	10019	0.363	ng/ul	83
17) Pyrene	20.07	202	11878	0.411	ng/ul#	77
18) Benzo(a)anthracene	21.78	228	9287	0.378	ng/ul#	87
19) Chrysene	21.84	228	8930	0.357	ng/ul	95
21) Benzo(b)fluoranthene	23.61	252	8685	0.334	ng/ul	90
22) Benzo(k)fluoranthene	23.66	252	8667	0.350	ng/ul#	91
23) Benzo(a)pyrene	24.31	252	8311	0.350	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	27.23	276	9572	0.363	ng/ul#	77
25) Dibenzo(a,h)anthracene	27.25	278	7807	0.370	ng/ul	96
26) Benzo(g,h,i)perylene	28.11	276	8100	0.358	ng/ul	96

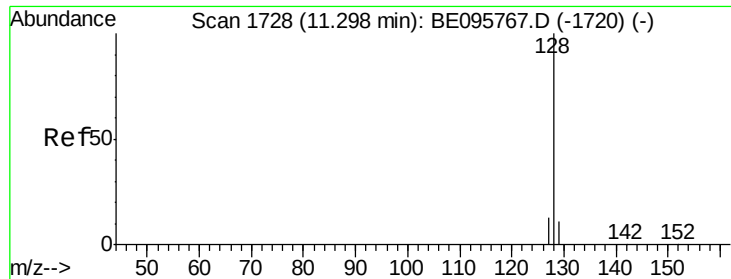
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.366 ng/ul

RT: 11.30 min Scan# 1729

Delta R.T. 0.00 min

Lab File: BE095783.D

Acq: 15 Mar 2018 2:33

Instrument :

BNA_E

ClientSampleId :

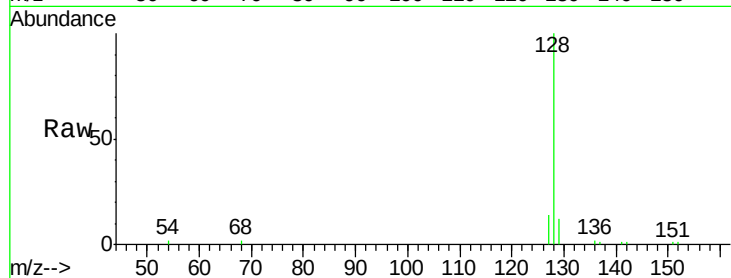
Tot Ion:128 Resp: 5883

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

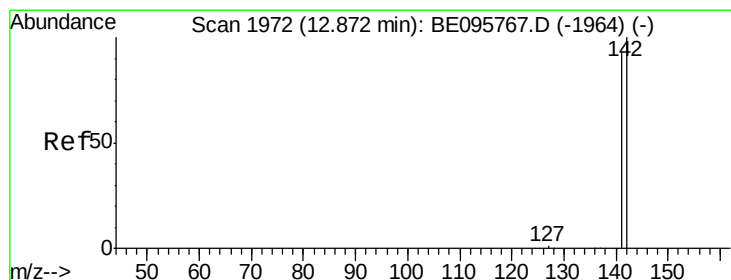
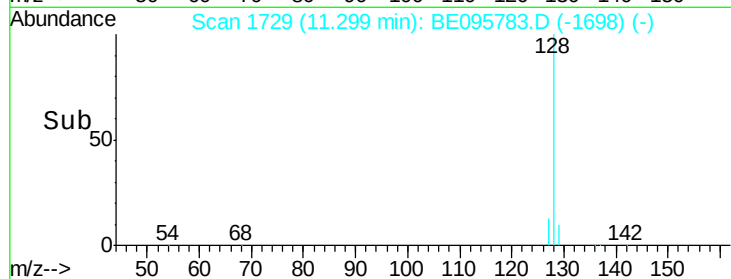
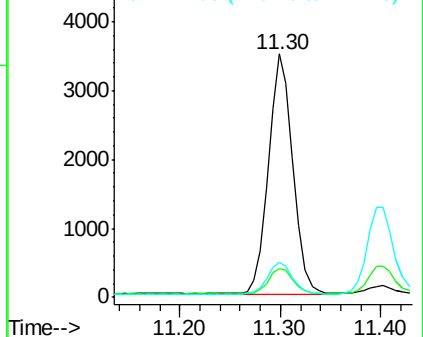
127 14.2 4.0 6.0#



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: 0.373 ng/ul

RT: 12.88 min Scan# 1974

Delta R.T. 0.01 min

Lab File: BE095783.D

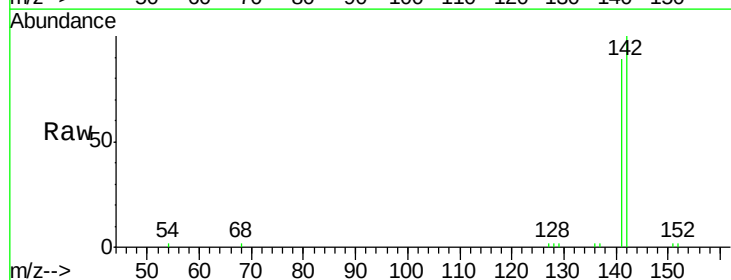
Acq: 15 Mar 2018 2:33

Tgt Ion:142 Resp: 4170

Ion Ratio Lower Upper

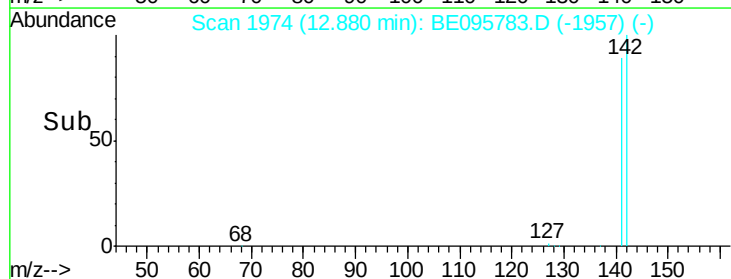
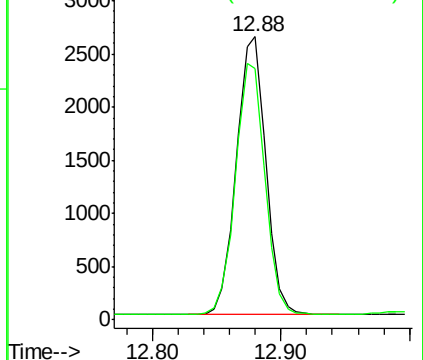
142 100

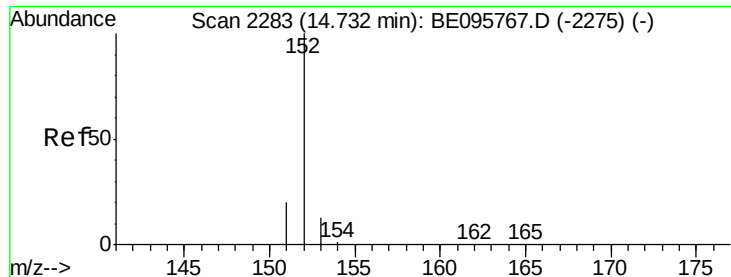
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.371 ng/ul

RT: 14.74 min Scan# 2284

Delta R.T. 0.00 min

Lab File: BE095783.D

Acq: 15 Mar 2018 2:33

Instrument :

BNA_E

ClientSampleId :

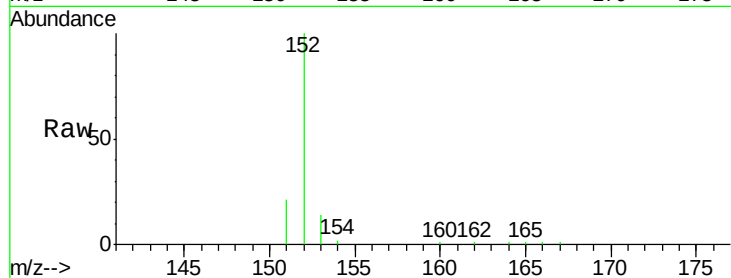
Tot Ion:152 Resp: 6463

Ion Ratio Lower Upper

152 100

151 20.9 17.1 25.7

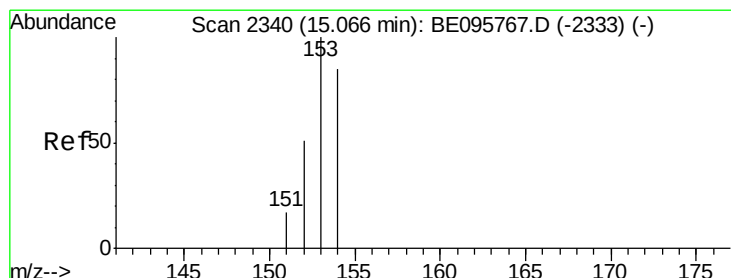
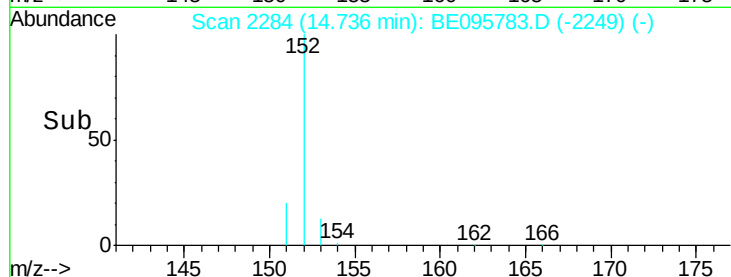
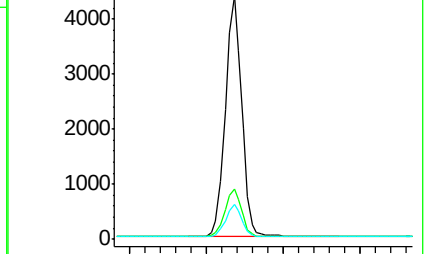
153 14.1 12.8 19.2



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: 0.350 ng/ul

RT: 15.07 min Scan# 2341

Delta R.T. 0.00 min

Lab File: BE095783.D

Acq: 15 Mar 2018 2:33

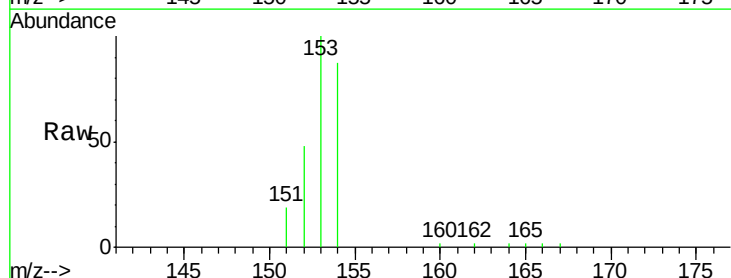
Tgt Ion:153 Resp: 4580

Ion Ratio Lower Upper

153 100

152 48.4 36.0 54.0

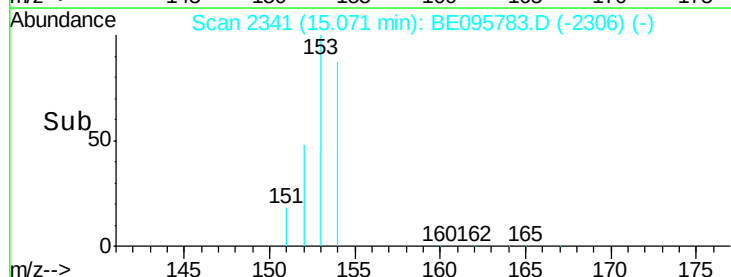
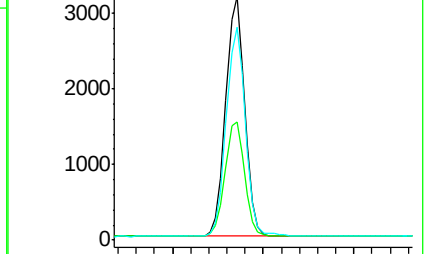
154 87.4 72.0 108.0

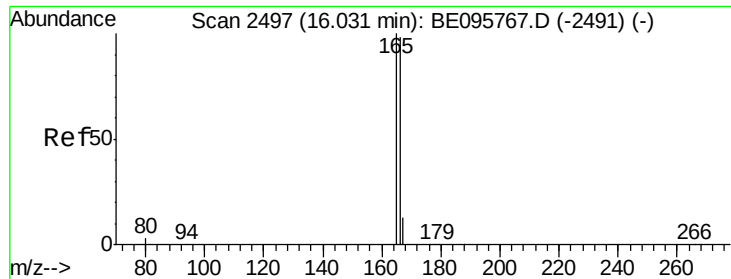


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.359 ng/ul

RT: 16.04 min Scan# 2498

Delta R.T. 0.01 min

Lab File: BE095783.D

Acq: 15 Mar 2018 2:33

Instrument :

BNA_E

ClientSampleId :

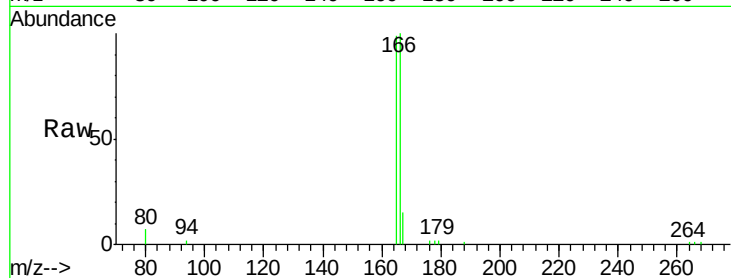
Tot Ion:166 Resp: 5099

Ion Ratio Lower Upper

166 100

165 99.4 73.4 110.2

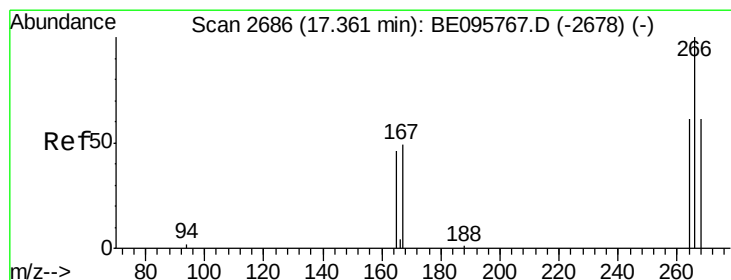
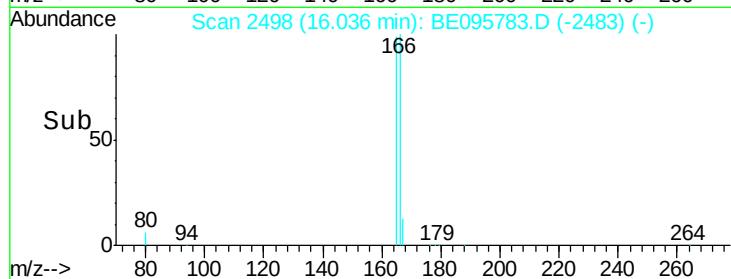
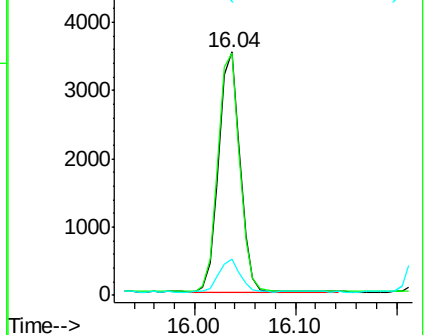
167 14.7 14.6 22.0



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: 0.576 ng/ul

RT: 17.37 min Scan# 2687

Delta R.T. 0.01 min

Lab File: BE095783.D

Acq: 15 Mar 2018 2:33

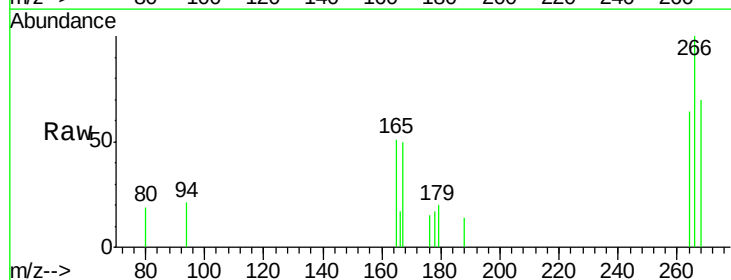
Tgt Ion:266 Resp: 615

Ion Ratio Lower Upper

266 100

264 61.1 47.9 71.9

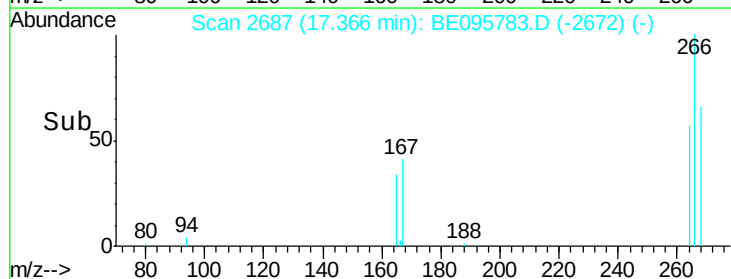
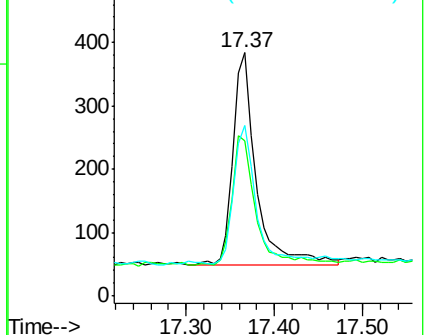
268 66.3 49.8 74.8

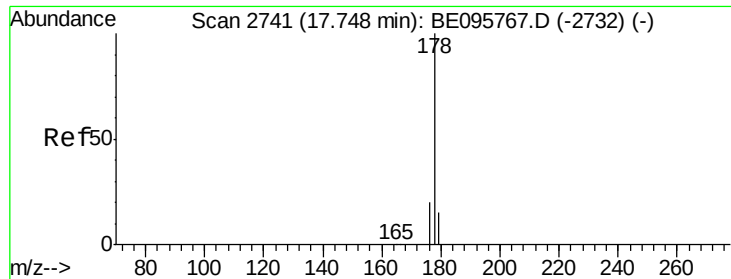


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.351 ng/ul

RT: 17.75 min Scan# 2742

Delta R.T. 0.01 min

Lab File: BE095783.D

Acq: 15 Mar 2018 2:33

Instrument :

BNA_E

ClientSampleId :

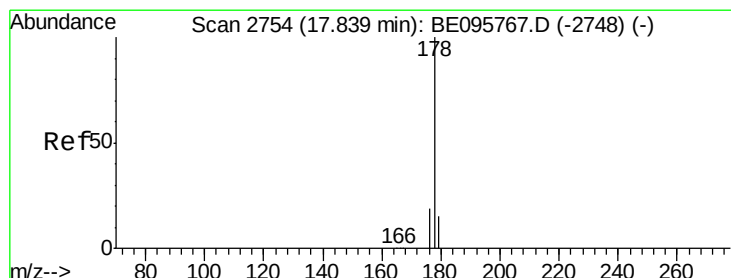
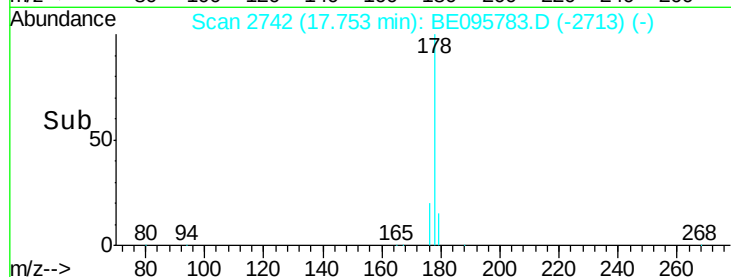
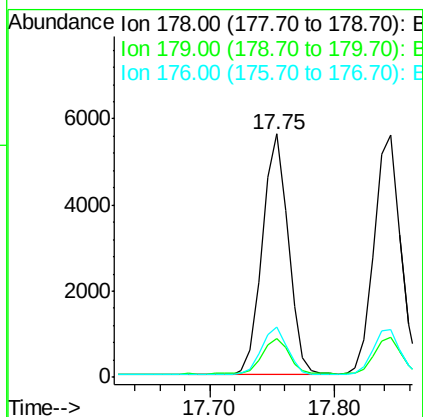
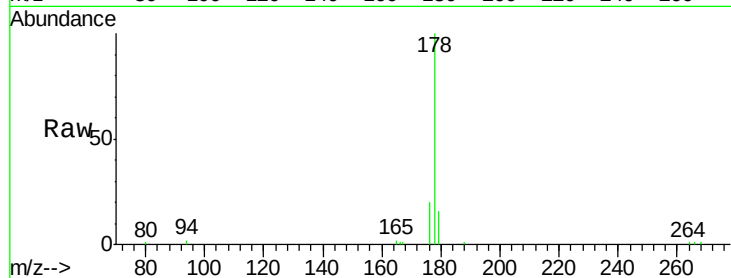
Tot Ion:178 Resp: 7994

Ion Ratio Lower Upper

178 100

179 15.8 18.4 27.6#

176 20.4 13.6 20.4#



#13

Anthracene

Concen: 0.379 ng/ul

RT: 17.84 min Scan# 2755

Delta R.T. 0.01 min

Lab File: BE095783.D

Acq: 15 Mar 2018 2:33

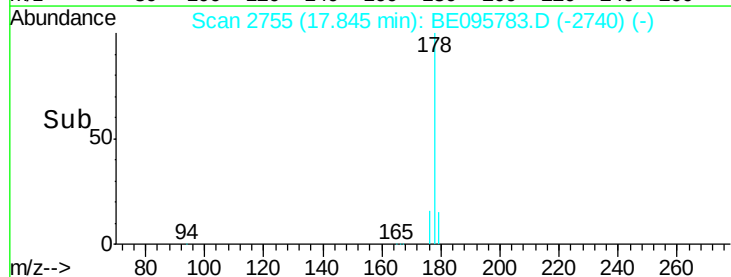
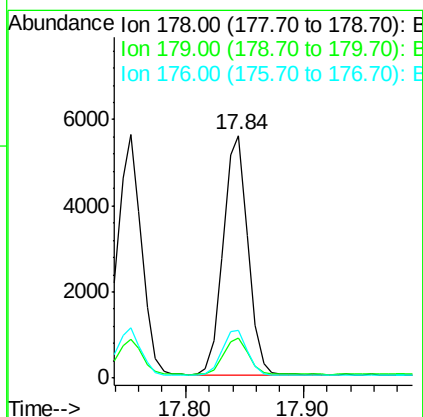
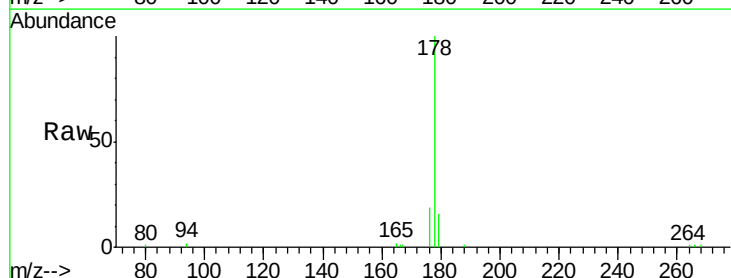
Tgt Ion:178 Resp: 8064

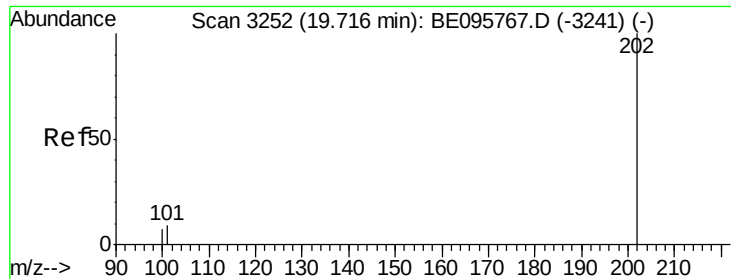
Ion Ratio Lower Upper

178 100

179 16.3 18.1 27.1#

176 19.4 14.7 22.1





#15

Fluoranthene

Concen: 0.363 ng/ul

RT: 19.72 min Scan# 3254

Delta R.T. 0.00 min

Lab File: BE095783.D

Acq: 15 Mar 2018 2:33

Instrument :

BNA_E

ClientSampleId :

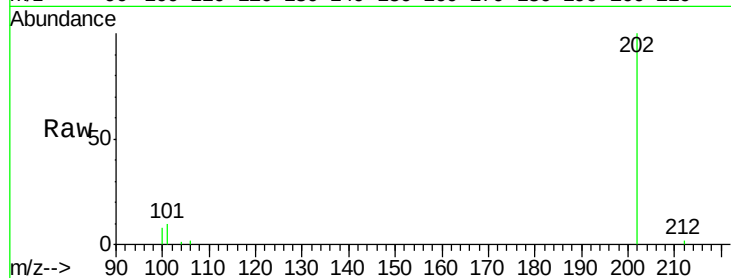
Tot Ion:202 Resp: 10019

Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.3

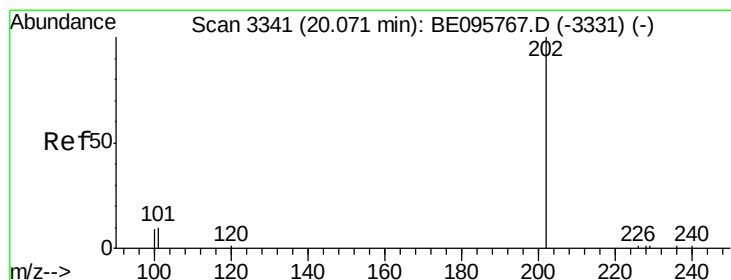
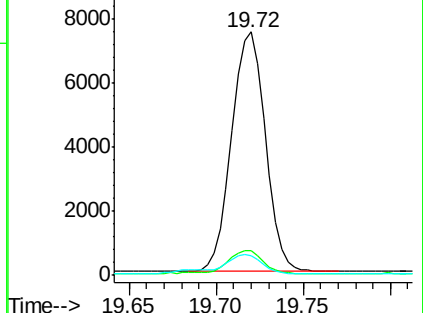
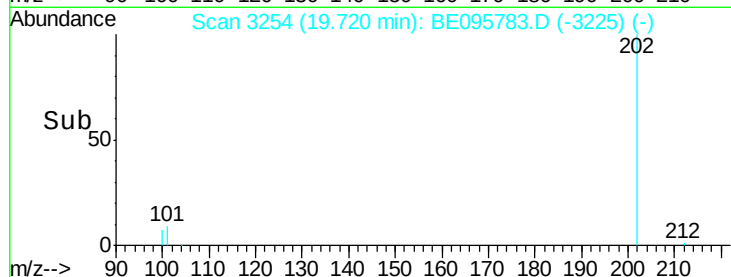
100 8.1 0.0 39.5



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: 0.411 ng/ul

RT: 20.07 min Scan# 3343

Delta R.T. 0.00 min

Lab File: BE095783.D

Acq: 15 Mar 2018 2:33

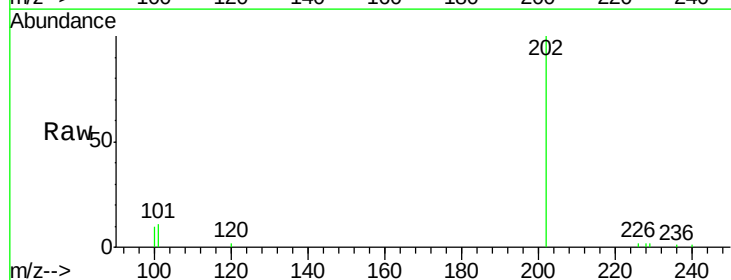
Tgt Ion:202 Resp: 11878

Ion Ratio Lower Upper

202 100

101 11.1 18.2 27.4#

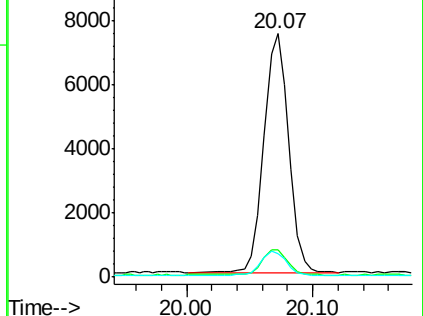
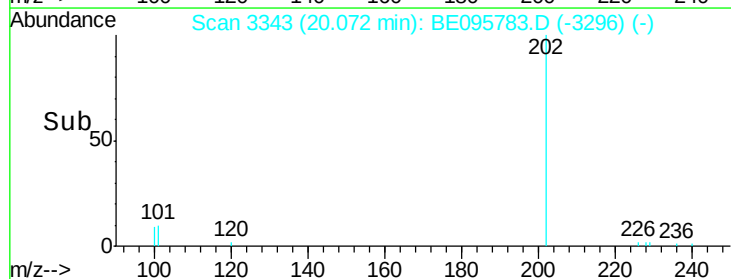
100 9.7 15.6 23.4#

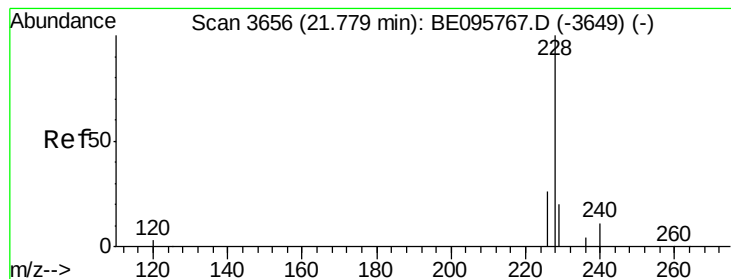


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.378 ng/ul

RT: 21.78 min Scan# 3658

Delta R.T. 0.00 min

Lab File: BE095783.D

Acq: 15 Mar 2018 2:33

Instrument :

BNA_E

ClientSampleId :

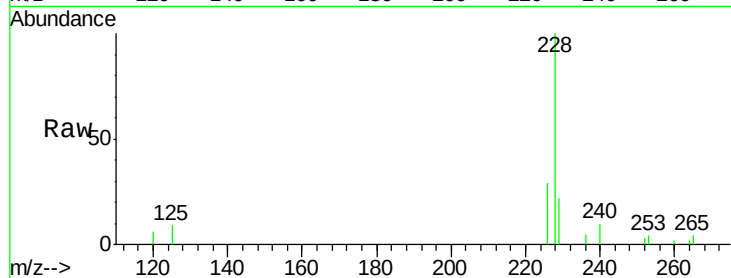
Tot Ion:228 Resp: 9287

Ion Ratio Lower Upper

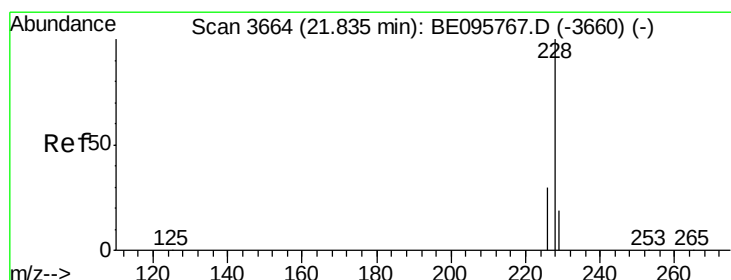
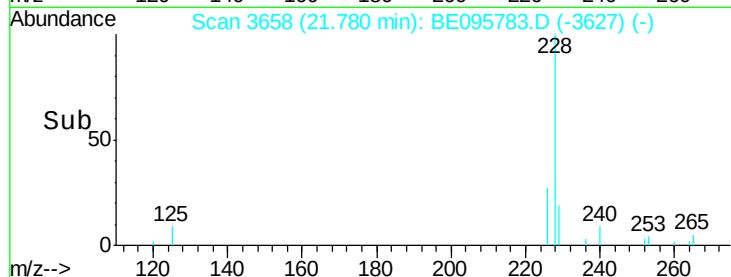
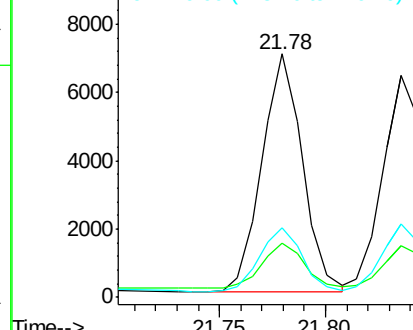
228 100

229 22.4 22.8 34.2#

226 28.7 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: 0.357 ng/ul

RT: 21.84 min Scan# 3666

Delta R.T. 0.00 min

Lab File: BE095783.D

Acq: 15 Mar 2018 2:33

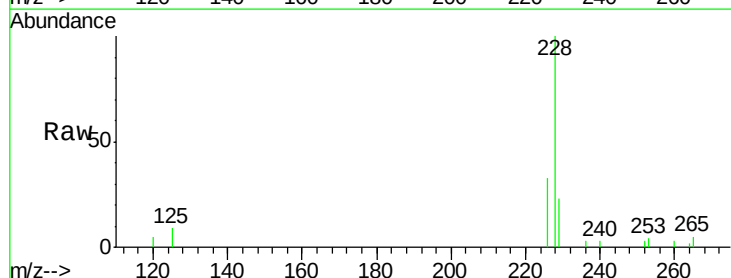
Tgt Ion:228 Resp: 8930

Ion Ratio Lower Upper

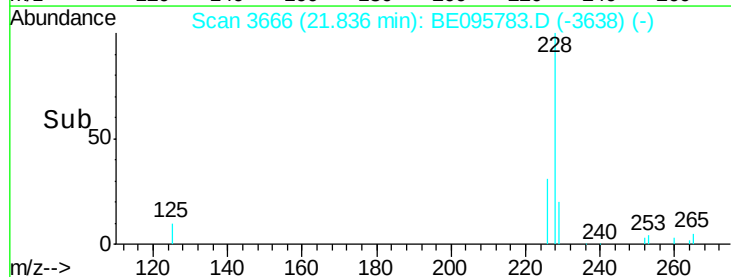
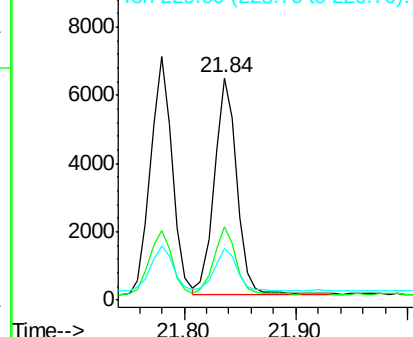
228 100

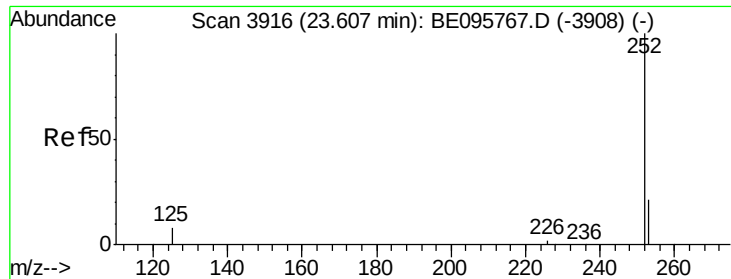
226 32.8 23.4 35.0

229 23.4 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

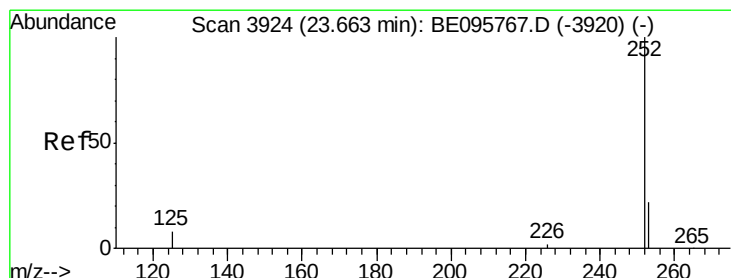
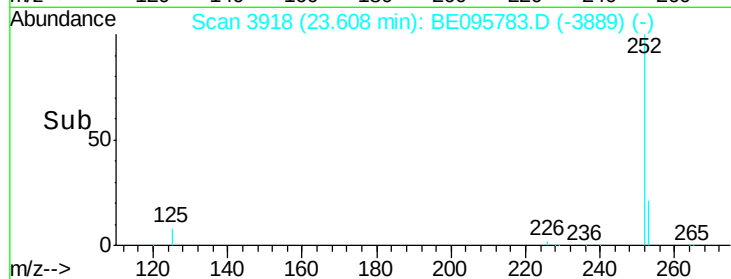
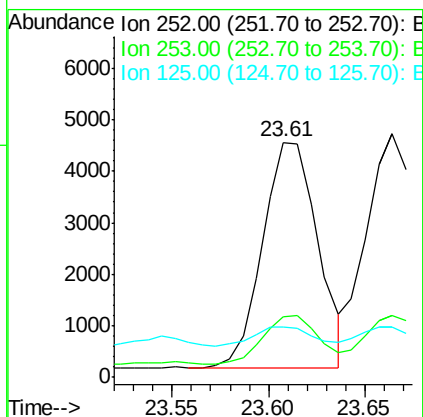
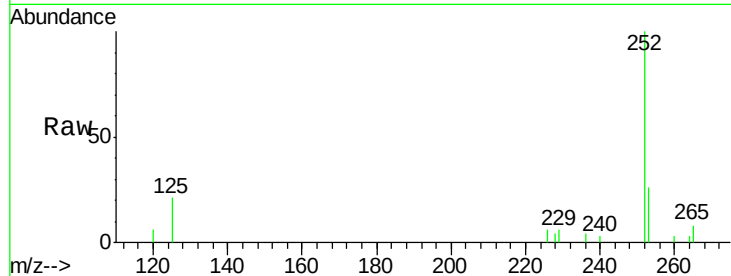




#21
Benzo(b)fluoranthene
Concen: 0.334 ng/ul
RT: 23.61 min Scan# 3918
Delta R.T. 0.00 min
Lab File: BE095783.D
Acq: 15 Mar 2018 2:33

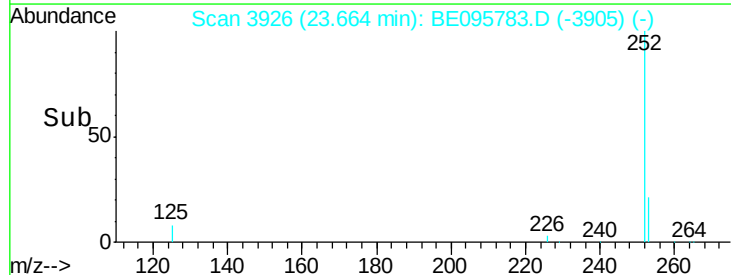
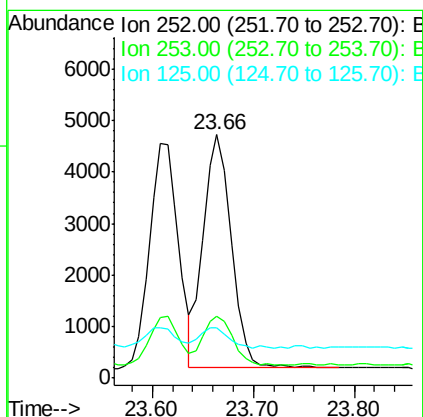
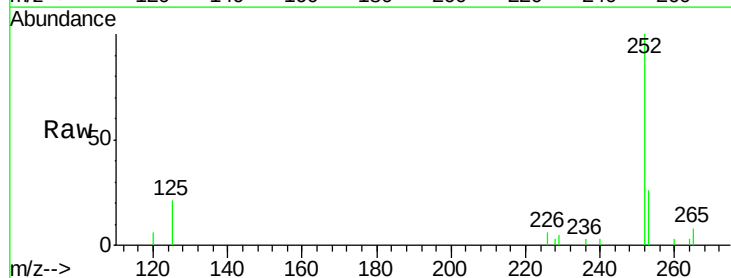
Instrument :
BNA_E
ClientSampleId :

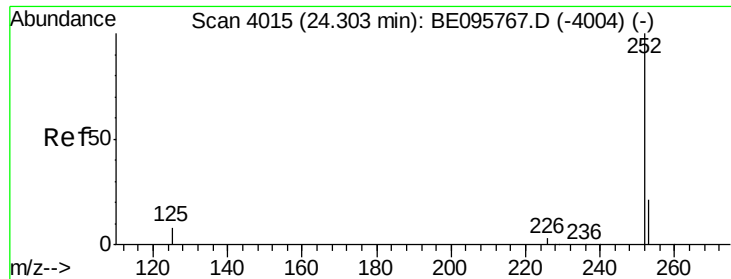
Tot Ion:252 Resp: 8685
Ion Ratio Lower Upper
252 100
253 25.8 0.0 64.2
125 21.2 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.350 ng/ul
RT: 23.66 min Scan# 3926
Delta R.T. 0.00 min
Lab File: BE095783.D
Acq: 15 Mar 2018 2:33

Tgt Ion:252 Resp: 8667
Ion Ratio Lower Upper
252 100
253 25.5 24.5 36.7
125 20.5 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.350 ng/ul

RT: 24.31 min Scan# 4018

Delta R.T. 0.01 min

Lab File: BE095783.D

Acq: 15 Mar 2018 2:33

Instrument :

BNA_E

ClientSampleId :

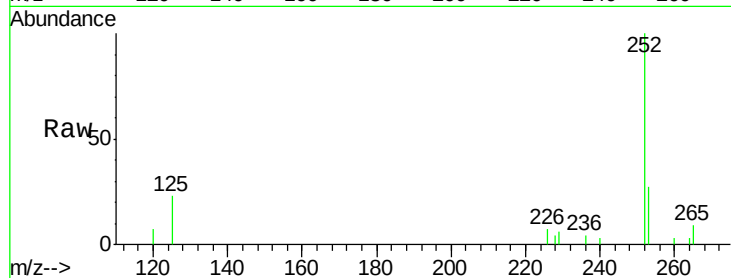
Tot Ion:252 Resp: 8311

Ion Ratio Lower Upper

252 100

253 27.4 28.5 42.7#

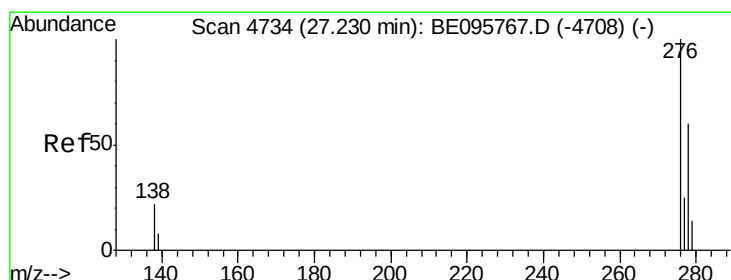
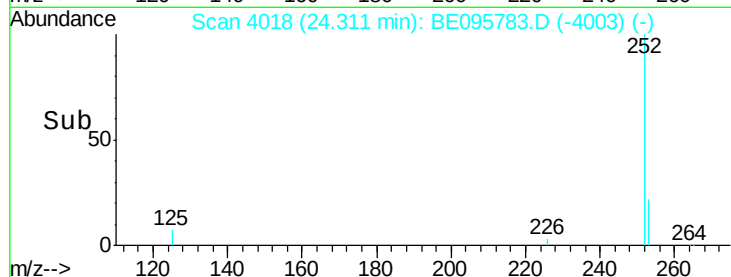
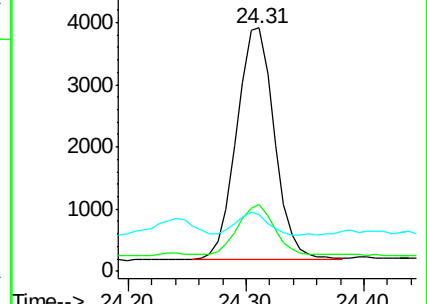
125 23.1 18.1 27.1



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: 0.363 ng/ul

RT: 27.23 min Scan# 4737

Delta R.T. 0.00 min

Lab File: BE095783.D

Acq: 15 Mar 2018 2:33

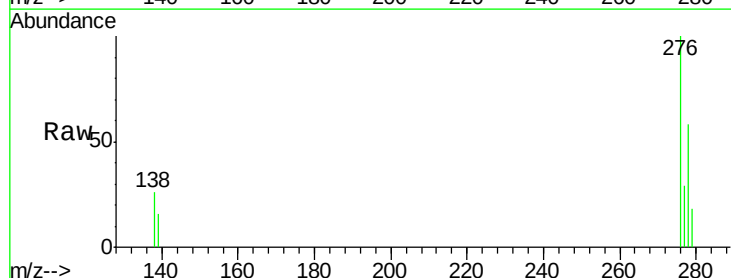
Tgt Ion:276 Resp: 9572

Ion Ratio Lower Upper

276 100

138 22.0 28.0 42.0#

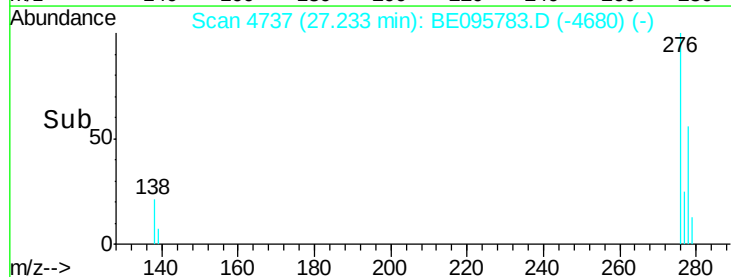
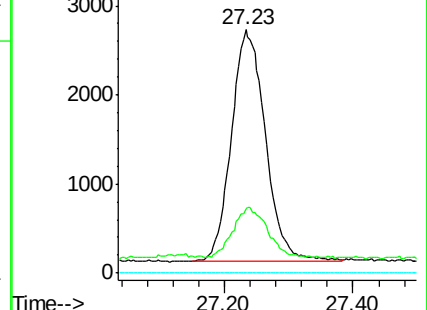
227 0.0 8.0 12.0#

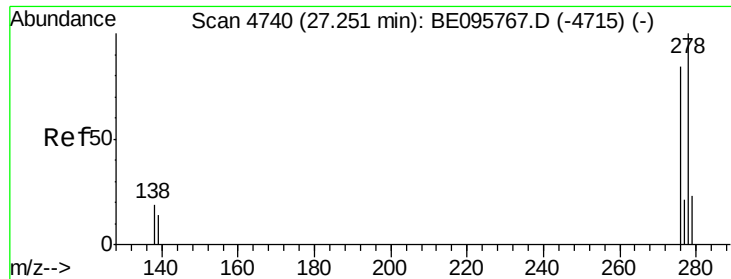


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



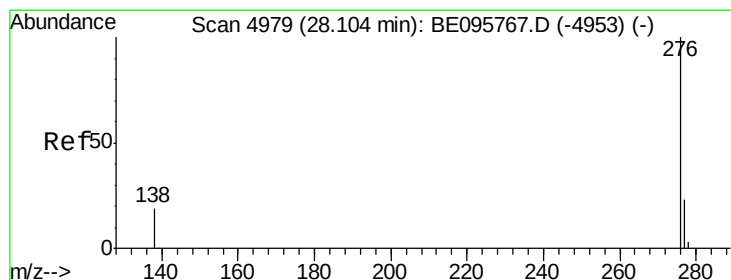
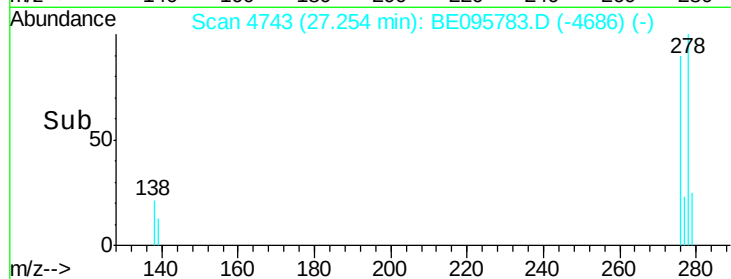
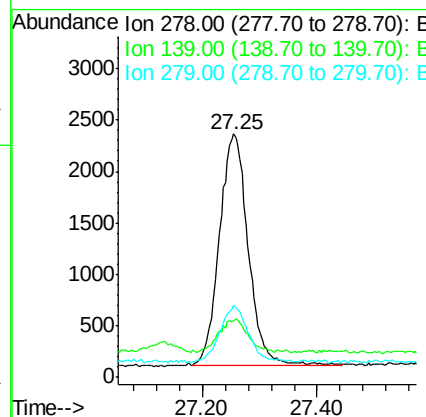
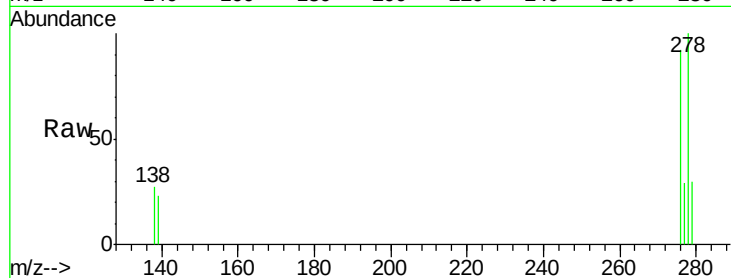


#25
Dibenzo(a,h)anthracene
Concen: 0.370 ng/ul
RT: 27.25 min Scan# 4743
Delta R.T. 0.00 min
Lab File: BE095783.D
Acq: 15 Mar 2018 2:33

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 7807

Ion	Ratio	Lower	Upper
278	100		
139	23.2	17.4	26.0
279	29.5	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 0.358 ng/ul
RT: 28.11 min Scan# 4983
Delta R.T. 0.01 min
Lab File: BE095783.D
Acq: 15 Mar 2018 2:33

Tgt Ion:276 Resp: 8100

Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.8	32.8
277	29.1	20.5	30.7

