

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095870.D
 Acq On : 28 Mar 2018 10:38
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 28 16:21:58 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

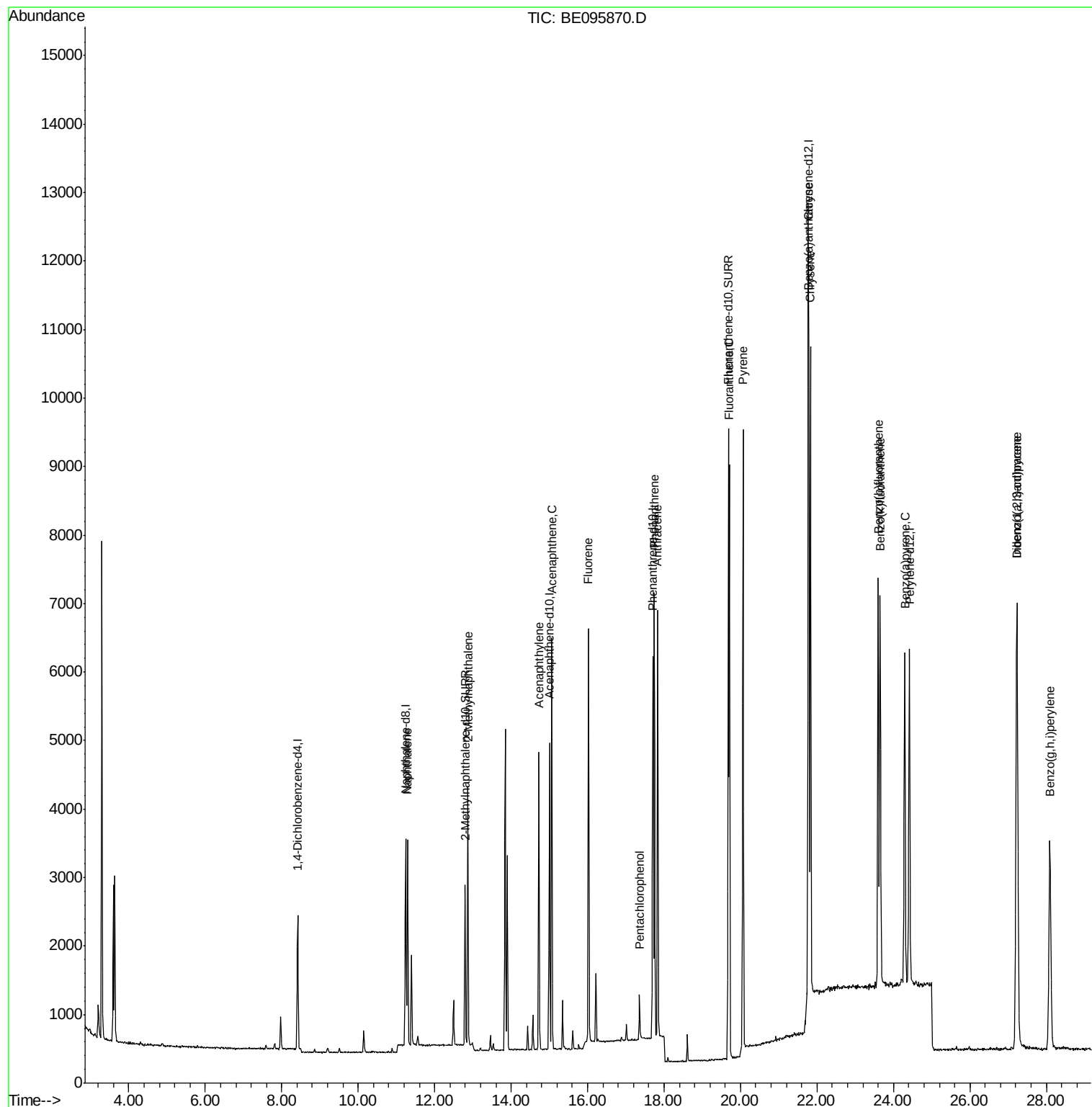
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1580	0.40	ng/ul	-0.03
2) Naphthalene-d8	11.24	136	4100	0.40	ng/ul	-0.04
6) Acenaphthene-d10	15.00	164	2546	0.40	ng/ul	-0.04
10) Phenanthrene-d10	17.70	188	6647	0.40	ng/ul	-0.04
16) Chrysene-d12	21.79	240	7608	0.40	ng/ul	-0.05
20) Perylene-d12	24.42	264	7241	0.40	ng/ul	-0.08
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.79	152	2951	0.42	ng/ul	-0.03
14) Fluoranthene-d10	19.68	212	10150	0.48	ng/ul	-0.04
Target Compounds				Ovalue		
3) Naphthalene	11.29	128	4246	0.371	ng/ul#	90
5) 2-Methylnaphthalene	12.87	142	2958	0.372	ng/ul	99
7) Acenaphthylene	14.72	152	4740	0.369	ng/ul	98
8) Acenaphthene	15.06	153	3434	0.355	ng/ul	96
9) Fluorene	16.02	166	4007	0.381	ng/ul#	89
11) Pentachlorophenol	17.36	266	348	0.372	ng/ul	87
12) Phenanthrene	17.75	178	7066	0.355	ng/ul#	90
13) Anthracene	17.83	178	6907	0.371	ng/ul#	90
15) Fluoranthene	19.71	202	9620	0.399	ng/ul	84
17) Pyrene	20.06	202	10852	0.376	ng/ul#	78
18) Benzo(a)anthracene	21.77	228	9383	0.382	ng/ul#	86
19) Chrysene	21.83	228	8850	0.354	ng/ul	97
21) Benzo(b)fluoranthene	23.60	252	8582	0.342	ng/ul	86
22) Benzo(k)fluoranthene	23.65	252	8621	0.362	ng/ul#	88
23) Benzo(a)pyrene	24.30	252	8237	0.360	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	27.22	276	9336	0.368	ng/ul#	76
25) Dibenzo(a,h)anthracene	27.24	278	7553	0.372	ng/ul	92
26) Benzo(g,h,i)perylene	28.09	276	7771	0.356	ng/ul	96

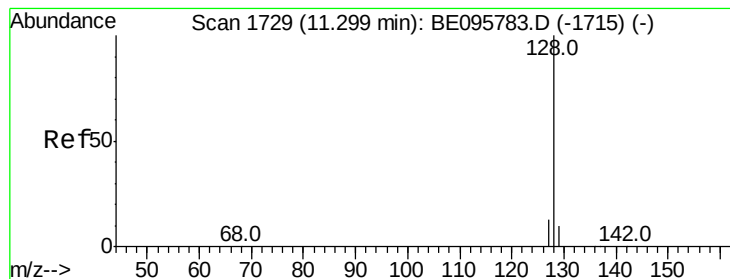
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.371 ng/ul

RT: 11.29 min Scan# 1727

Delta R.T. -0.03 min

Lab File: BE095870.D

Acq: 28 Mar 2018 10:38

Instrument :

BNA_E

ClientSampleId :

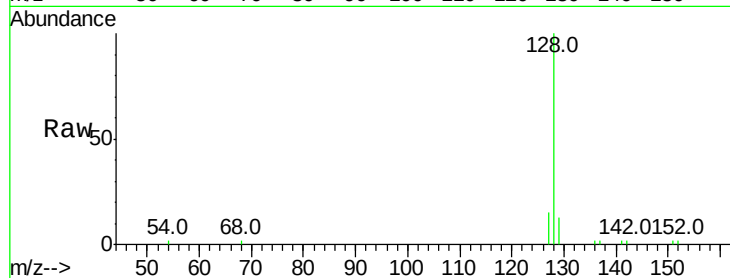
Tot Ion:128 Resp: 4246

Ion Ratio Lower Upper

128 100

129 12.7 11.3 16.9

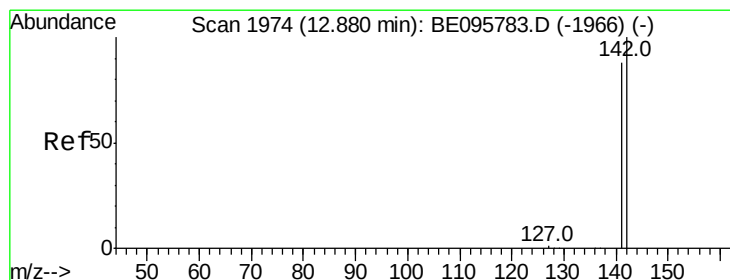
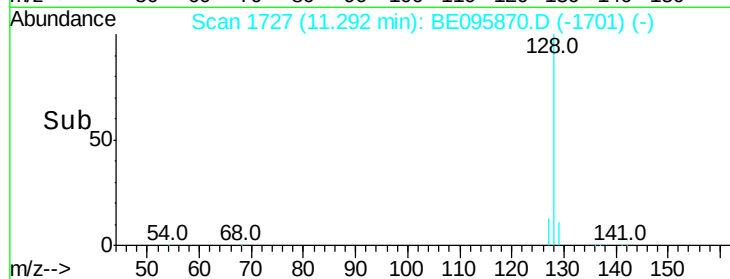
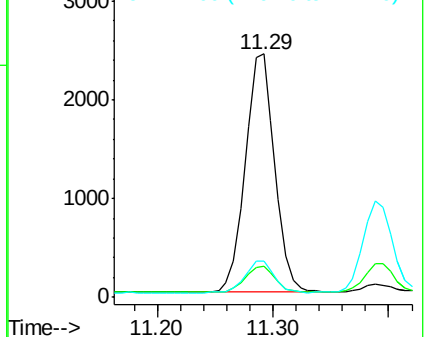
127 15.0 4.0 6.0#



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: 0.372 ng/ul

RT: 12.87 min Scan# 1971

Delta R.T. -0.04 min

Lab File: BE095870.D

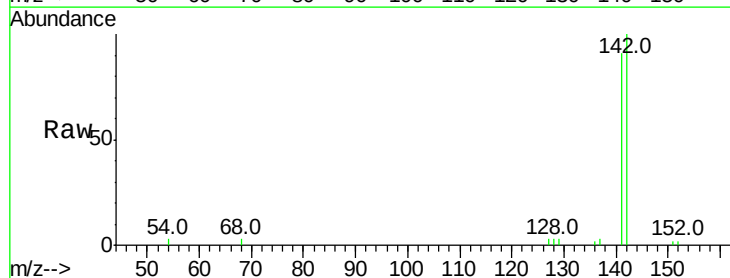
Acq: 28 Mar 2018 10:38

Tgt Ion:142 Resp: 2958

Ion Ratio Lower Upper

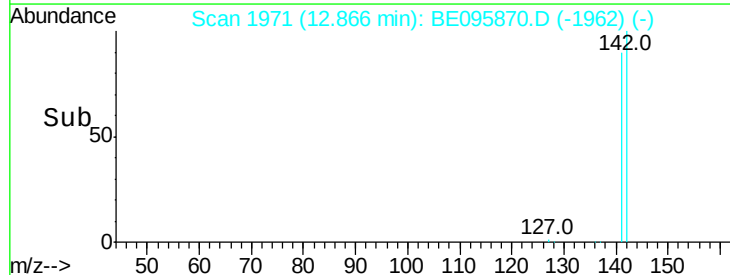
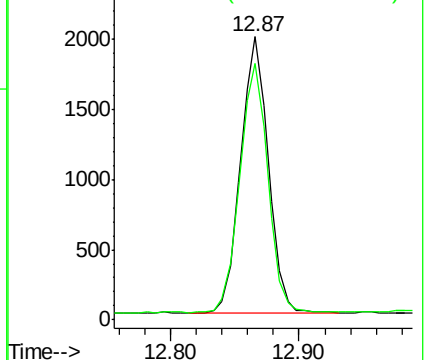
142 100

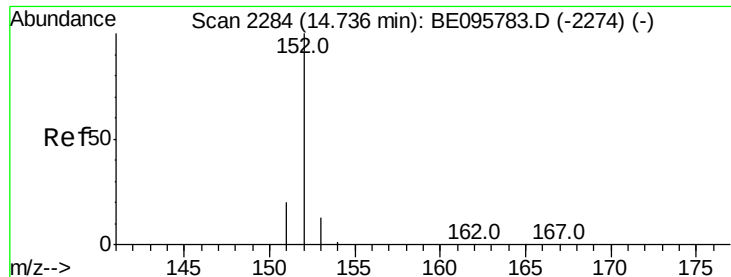
141 91.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.369 ng/ul

RT: 14.72 min Scan# 2281

Delta R.T. -0.04 min

Lab File: BE095870.D

Acq: 28 Mar 2018 10:38

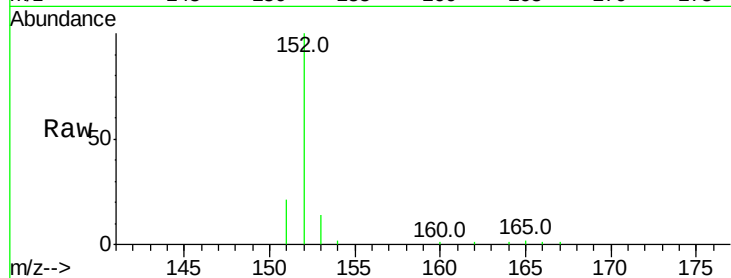
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 4740

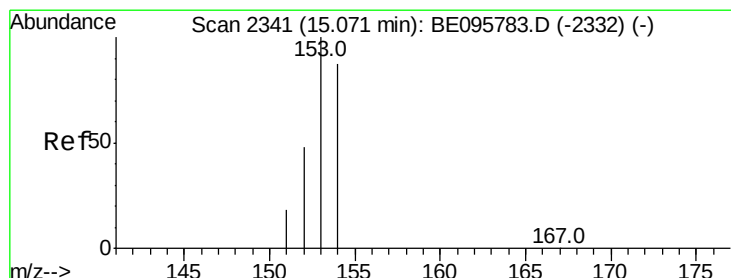
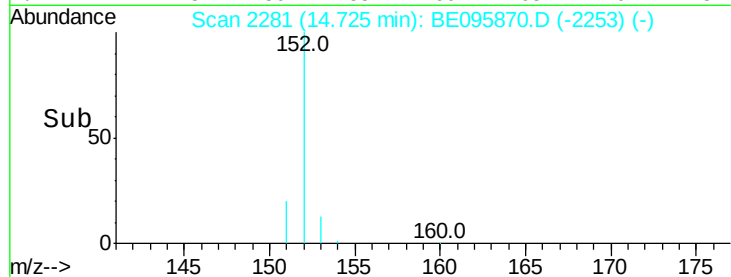
Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.1	25.7
153	13.9	12.8	19.2



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: 0.355 ng/ul

RT: 15.06 min Scan# 2338

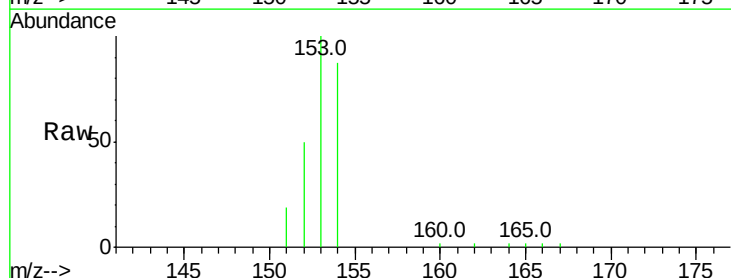
Delta R.T. -0.04 min

Lab File: BE095870.D

Acq: 28 Mar 2018 10:38

Tgt Ion:153 Resp: 3434

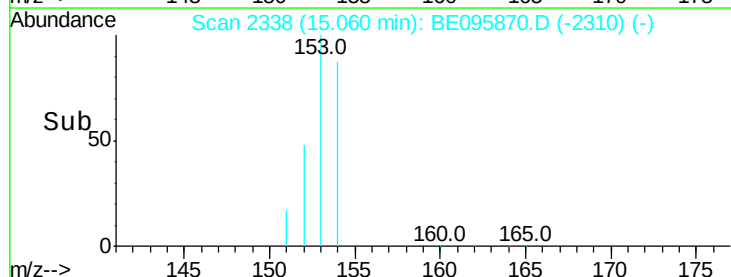
Ion	Ratio	Lower	Upper
153	100		
152	49.5	36.0	54.0
154	87.5	72.0	108.0

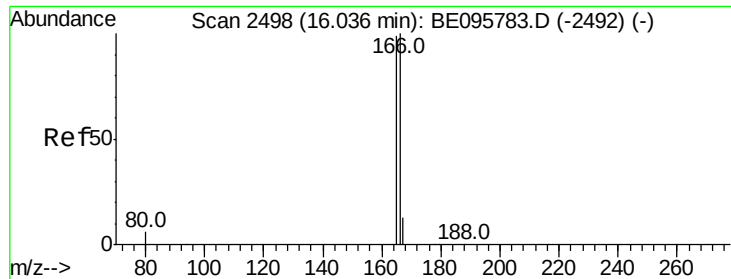


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.381 ng/ul

RT: 16.02 min Scan# 2495

Delta R.T. -0.04 min

Lab File: BE095870.D

Acq: 28 Mar 2018 10:38

Instrument :

BNA_E

ClientSampleId :

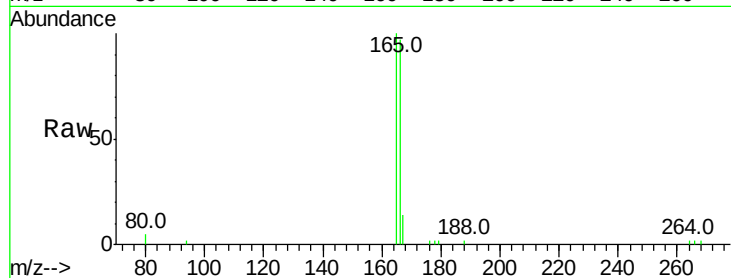
Tot Ion:166 Resp: 4007

Ion Ratio Lower Upper

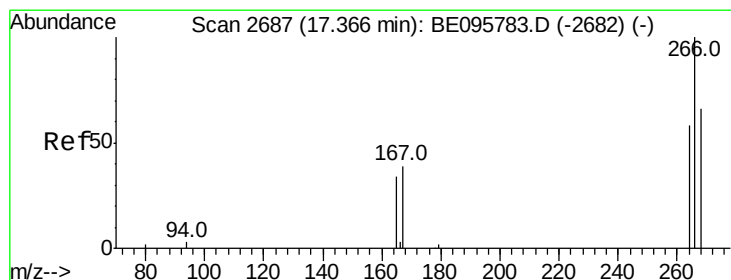
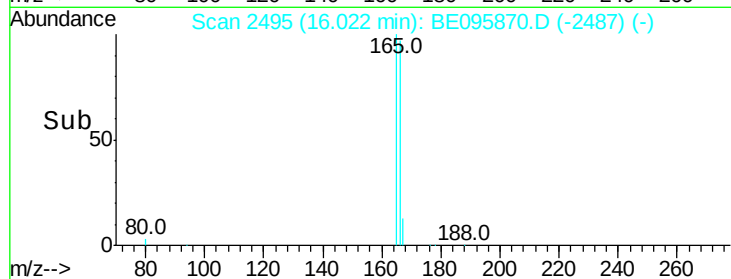
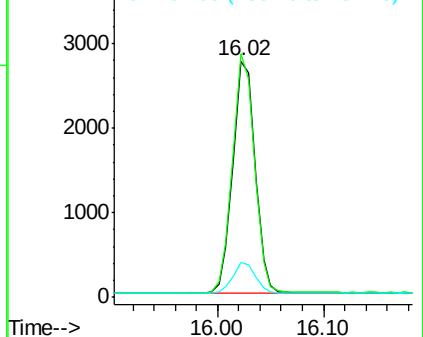
166 100

165 102.9 73.4 110.2

167 14.6 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: 0.372 ng/ul

RT: 17.36 min Scan# 2685

Delta R.T. -0.05 min

Lab File: BE095870.D

Acq: 28 Mar 2018 10:38

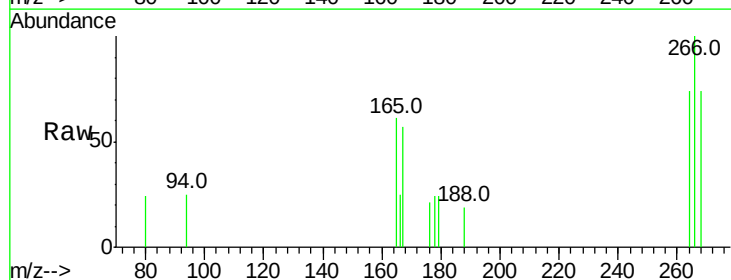
Tgt Ion:266 Resp: 348

Ion Ratio Lower Upper

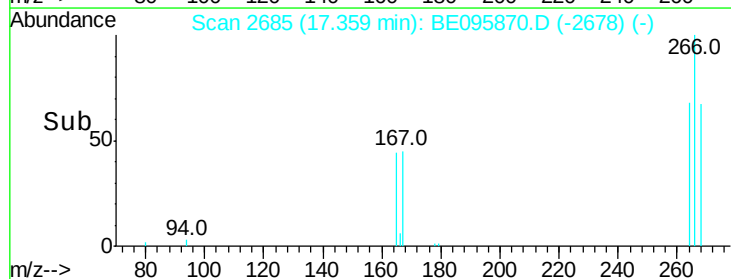
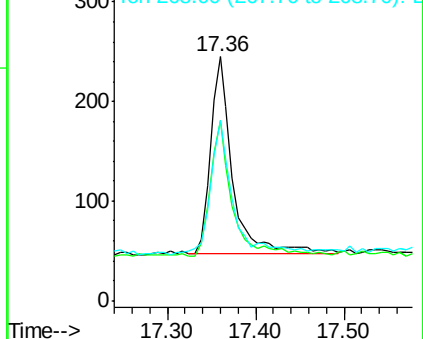
266 100

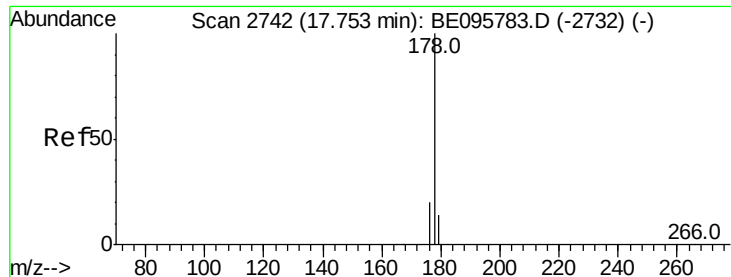
264 67.8 47.9 71.9

268 73.9 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: 0.355 ng/ul

RT: 17.75 min Scan# 2740

Delta R.T. -0.04 min

Lab File: BE095870.D

Acq: 28 Mar 2018 10:38

Instrument :

BNA_E

ClientSampleId :

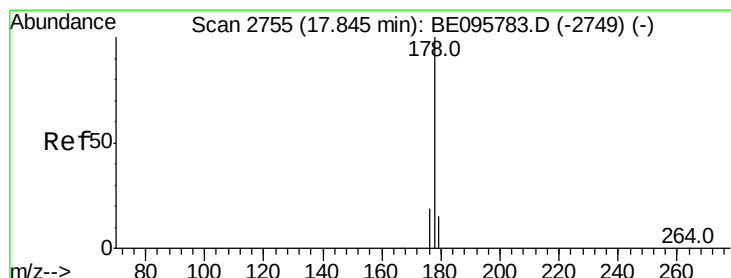
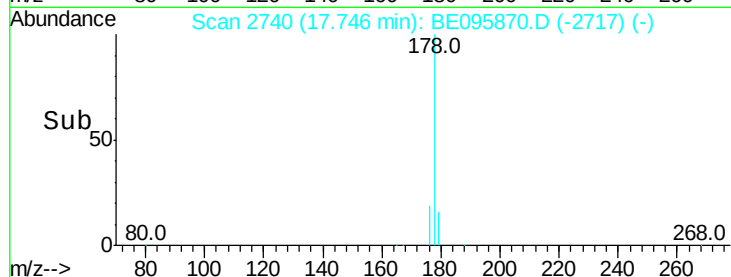
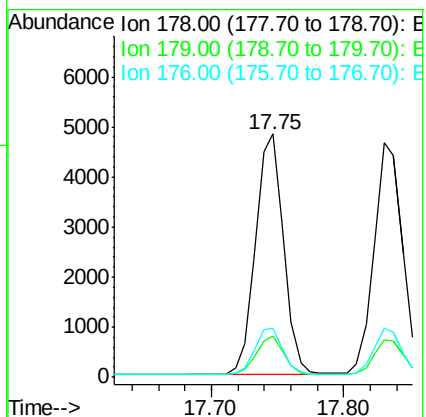
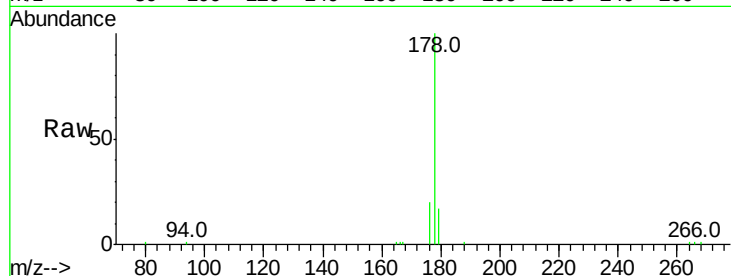
Tot Ion:178 Resp: 7066

Ion Ratio Lower Upper

178 100

179 16.8 18.4 27.6#

176 20.1 13.6 20.4



#13

Anthracene

Concen: 0.371 ng/ul

RT: 17.83 min Scan# 2752

Delta R.T. -0.04 min

Lab File: BE095870.D

Acq: 28 Mar 2018 10:38

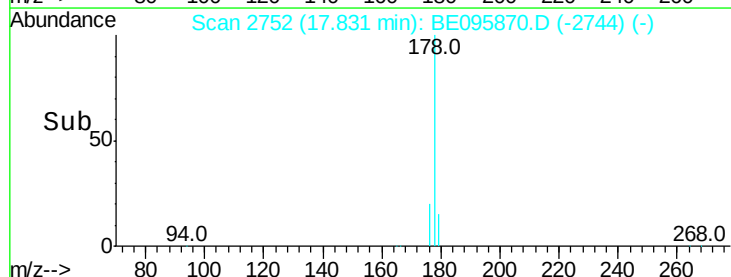
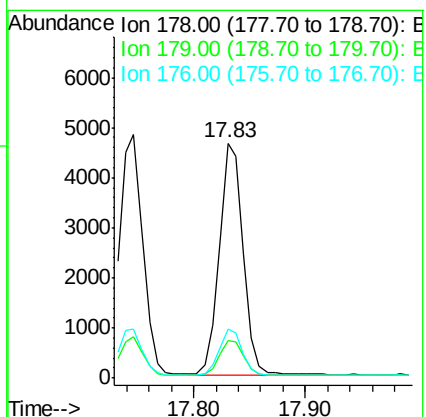
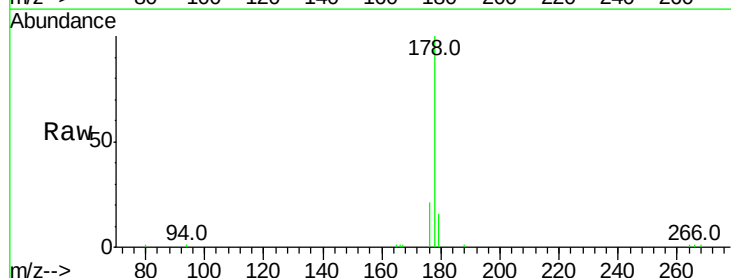
Tgt Ion:178 Resp: 6907

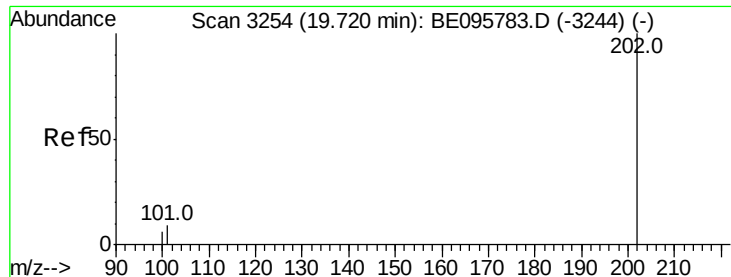
Ion Ratio Lower Upper

178 100

179 16.2 18.1 27.1#

176 20.6 14.7 22.1





#15

Fluoranthene

Concen: 0.399 ng/ul

RT: 19.71 min Scan# 3250

Delta R.T. -0.04 min

Lab File: BE095870.D

Acq: 28 Mar 2018 10:38

Instrument :

BNA_E

ClientSampleId :

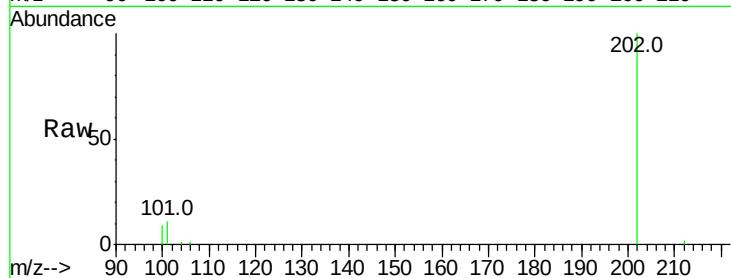
Tot Ion:202 Resp: 9620

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.3

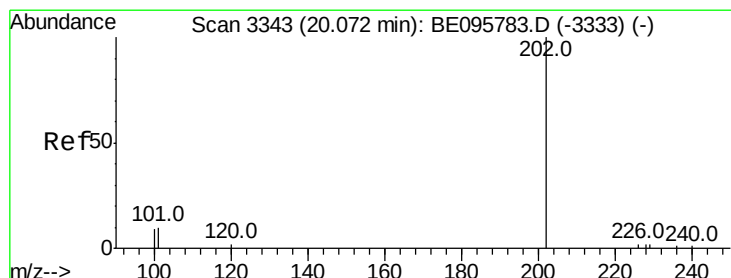
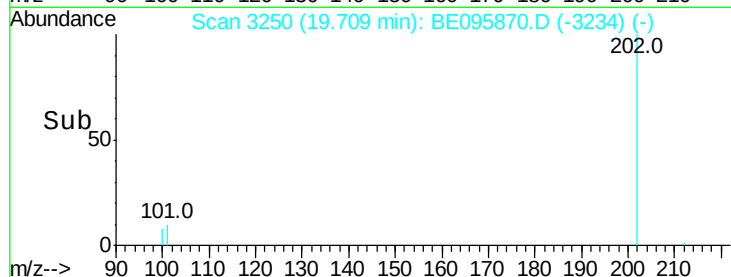
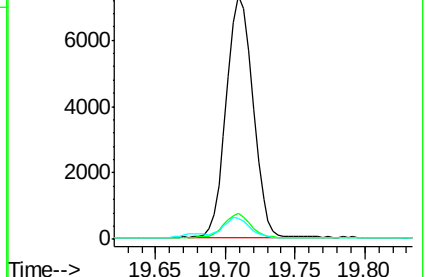
100 8.8 0.0 39.5



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: 0.376 ng/ul

RT: 20.06 min Scan# 3340

Delta R.T. -0.04 min

Lab File: BE095870.D

Acq: 28 Mar 2018 10:38

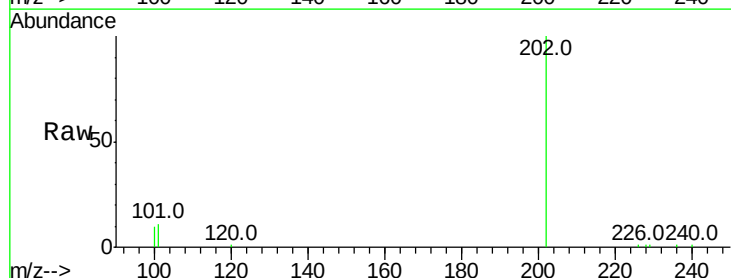
Tgt Ion:202 Resp: 10852

Ion Ratio Lower Upper

202 100

101 11.3 18.2 27.4#

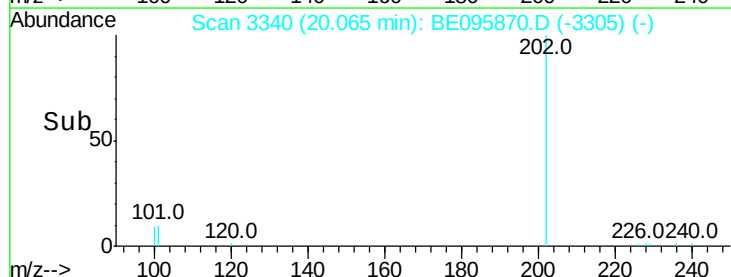
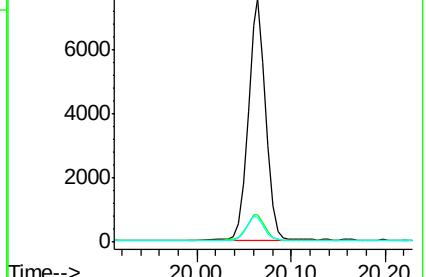
100 10.1 15.6 23.4#

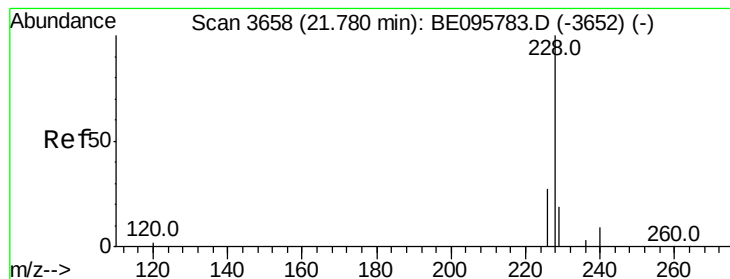


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.77 min Scan# 3655

Delta R.T. -0.04 min

Lab File: BE095870.D

Acq: 28 Mar 2018 10:38

Instrument :

BNA_E

ClientSampleId :

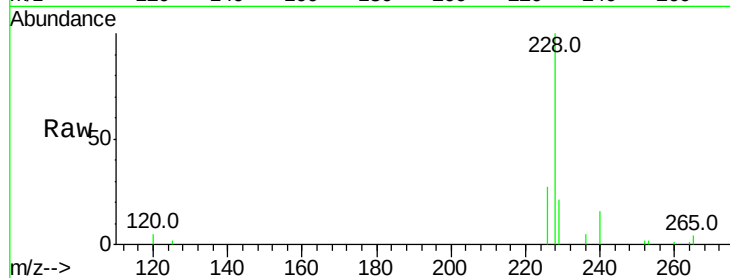
Tot Ion:228 Resp: 9383

Ion Ratio Lower Upper

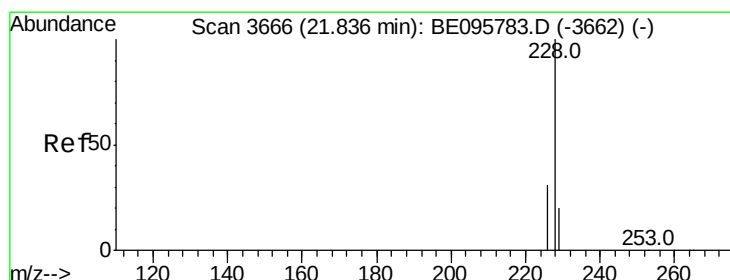
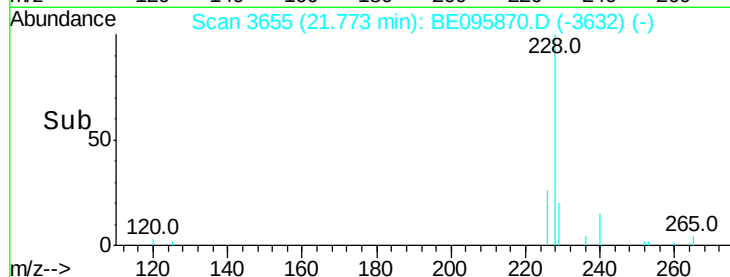
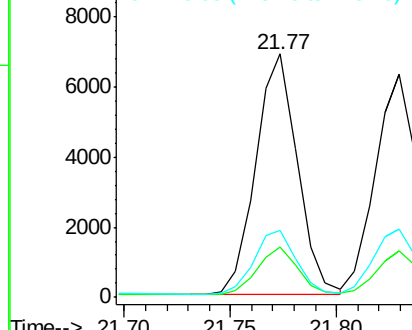
228 100

229 20.8 22.8 34.2#

226 27.3 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: 0.354 ng/ul

RT: 21.83 min Scan# 3663

Delta R.T. -0.04 min

Lab File: BE095870.D

Acq: 28 Mar 2018 10:38

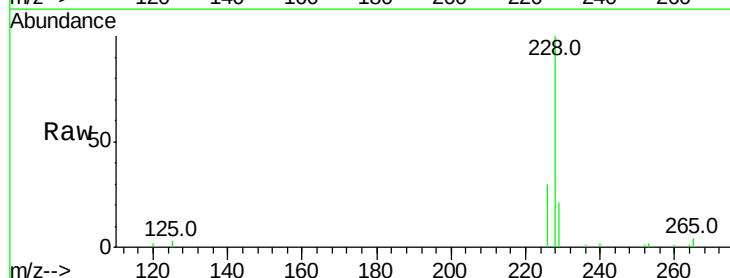
Tgt Ion:228 Resp: 8850

Ion Ratio Lower Upper

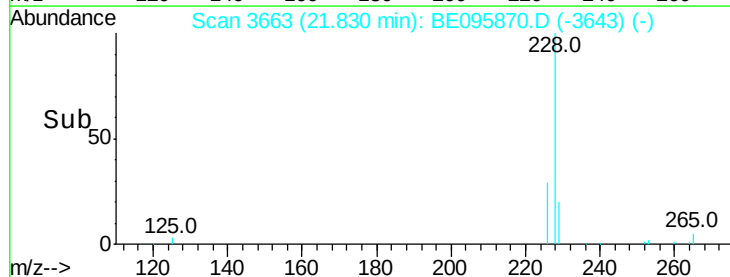
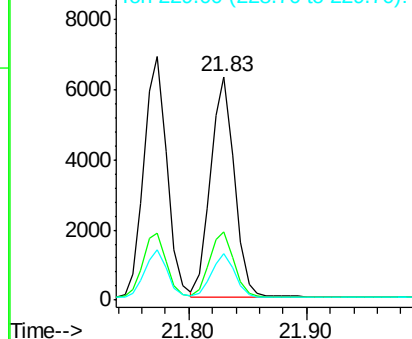
228 100

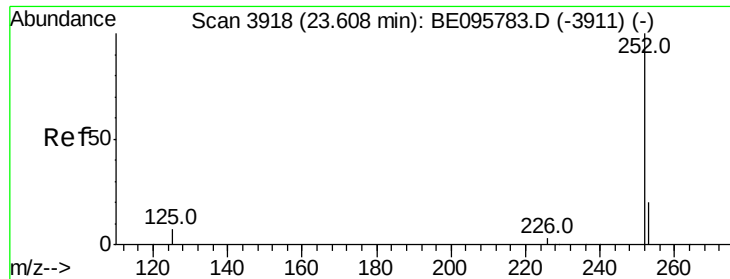
226 30.4 23.4 35.0

229 20.6 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: 0.342 ng/ul

RT: 23.60 min Scan# 3915

Delta R.T. -0.07 min

Lab File: BE095870.D

Acq: 28 Mar 2018 10:38

Instrument :

BNA_E

ClientSampleId :

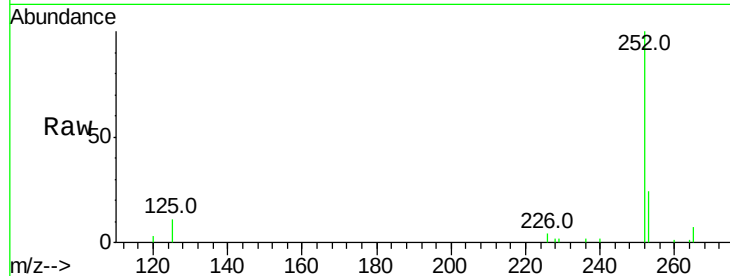
Tot Ion:252 Resp: 8582

Ion Ratio Lower Upper

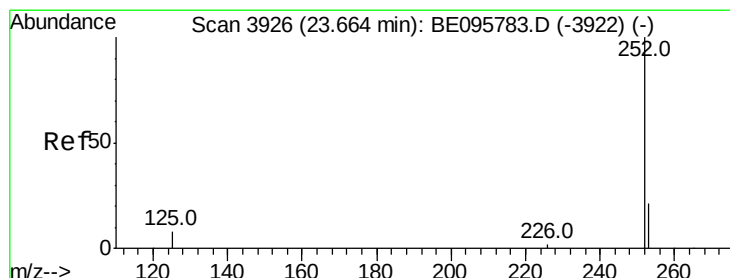
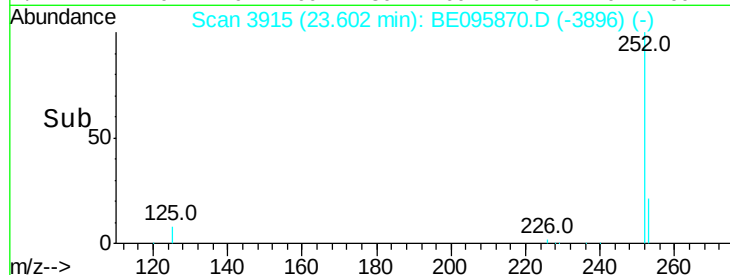
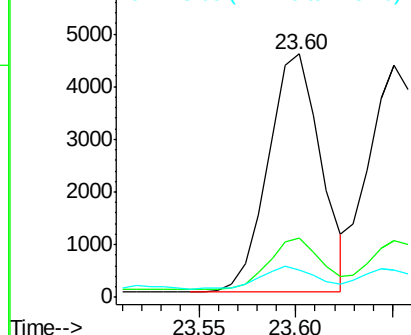
252 100

253 24.3 0.0 64.2

125 11.4 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: 0.362 ng/ul

RT: 23.65 min Scan# 3922

Delta R.T. -0.07 min

Lab File: BE095870.D

Acq: 28 Mar 2018 10:38

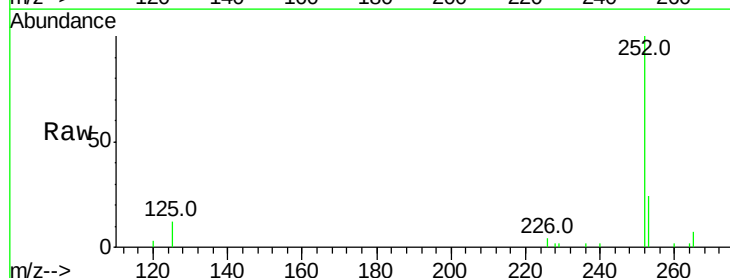
Tgt Ion:252 Resp: 8621

Ion Ratio Lower Upper

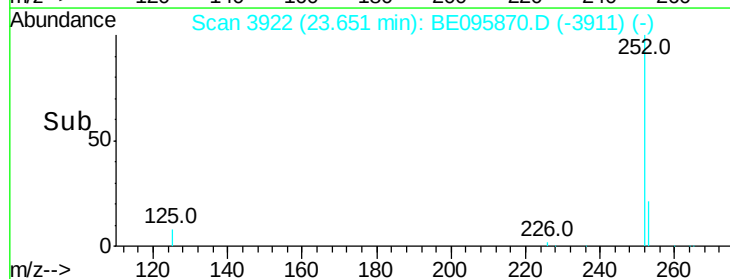
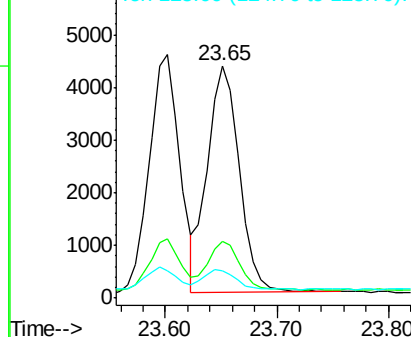
252 100

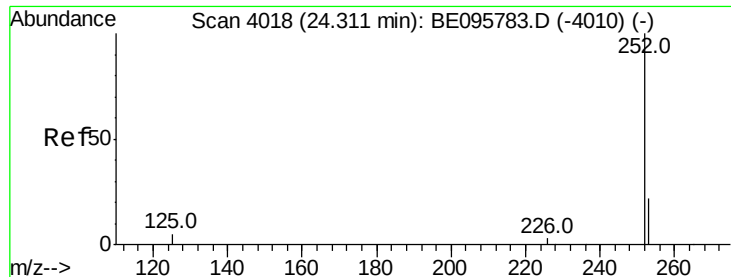
253 24.3 24.5 36.7#

125 12.0 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

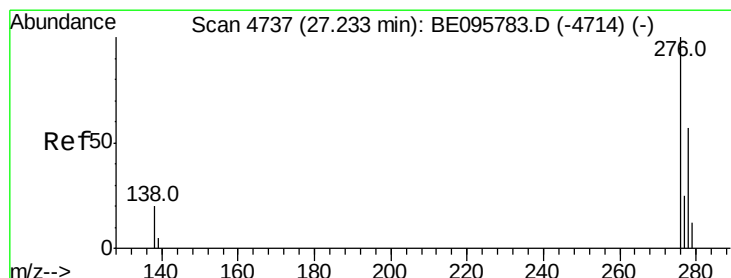
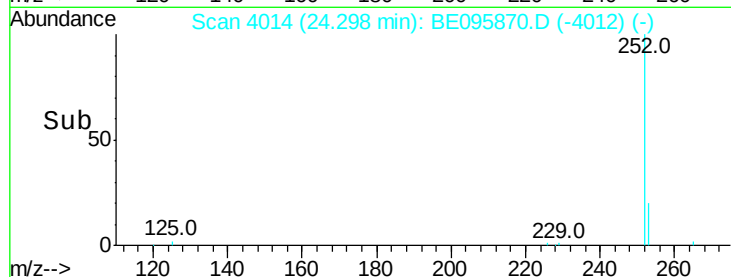
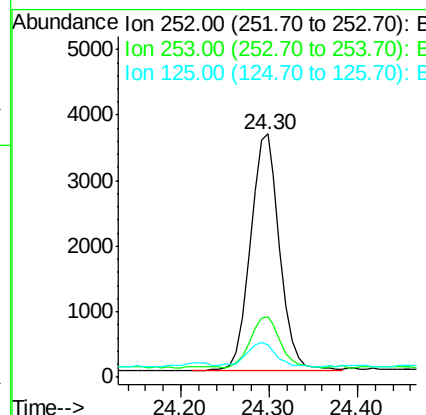
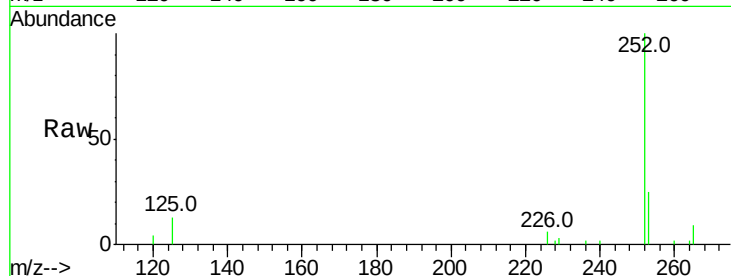




#23
Benzo(a)pyrene
Concen: 0.360 ng/ul
RT: 24.30 min Scan# 4014
Delta R.T. -0.08 min
Lab File: BE095870.D
Acq: 28 Mar 2018 10:38

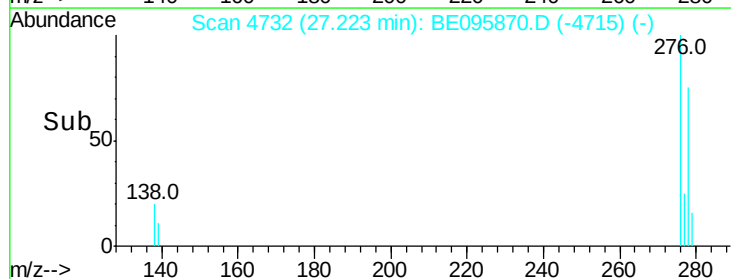
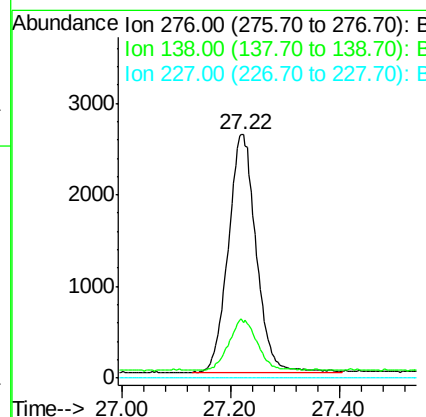
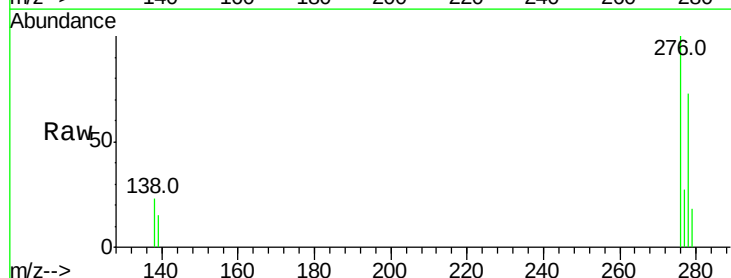
Instrument :
BNA_E
ClientSampleId :

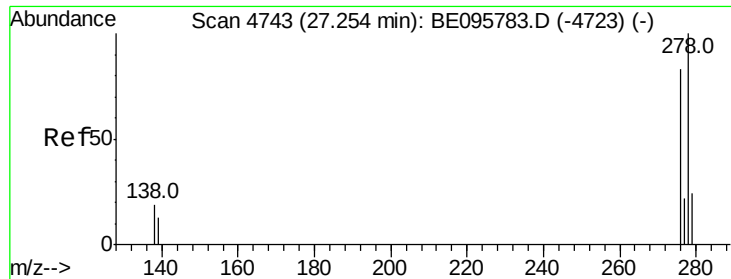
Tot Ion:252 Resp: 8237
Ion Ratio Lower Upper
252 100
253 24.9 28.5 42.7#
125 13.5 18.1 27.1#



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.368 ng/ul
RT: 27.22 min Scan# 4732
Delta R.T. -0.14 min
Lab File: BE095870.D
Acq: 28 Mar 2018 10:38

Tgt Ion:276 Resp: 9336
Ion Ratio Lower Upper
276 100
138 21.4 28.0 42.0#
227 0.0 8.0 12.0#



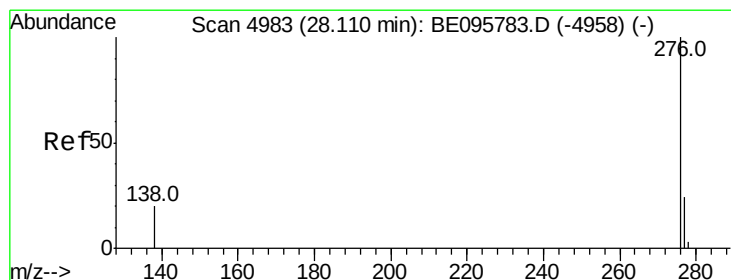
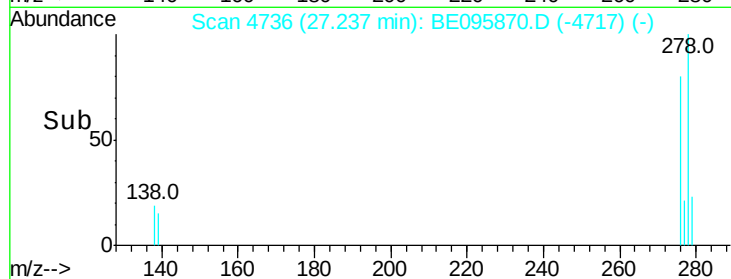
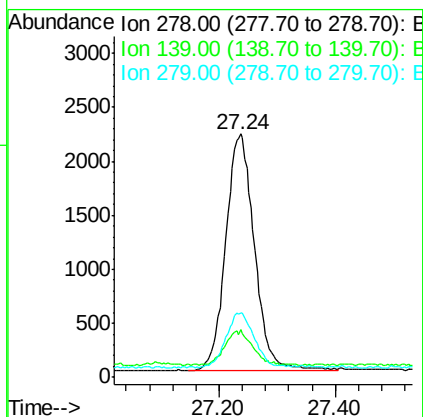
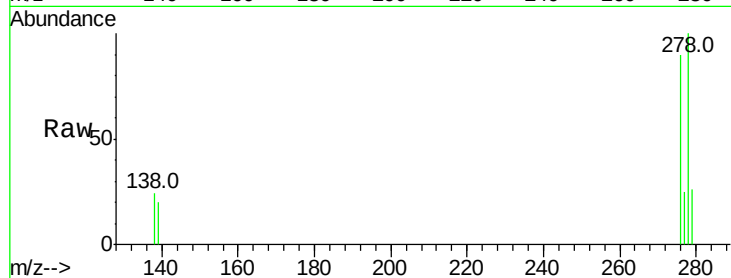


#25
Dibenzo(a,h)anthracene
Concen: 0.372 ng/ul
RT: 27.24 min Scan# 4736
Delta R.T. -0.13 min
Lab File: BE095870.D
Acq: 28 Mar 2018 10:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 7553

Ion	Ratio	Lower	Upper
278	100		
139	19.6	17.4	26.0
279	26.4	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 0.356 ng/ul
RT: 28.09 min Scan# 4975
Delta R.T. -0.17 min
Lab File: BE095870.D
Acq: 28 Mar 2018 10:38

Tgt Ion:276 Resp: 7771

Ion	Ratio	Lower	Upper
276	100		
138	23.2	21.8	32.8
277	25.5	20.5	30.7

