

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031318\
 Data File : BE095750.D
 Acq On : 13 Mar 2018 15:09
 Operator : SJ/JU
 Sample : SST0.811
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 13 16:25:31 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 13 16:24:15 2018
 Response via : Initial Calibration

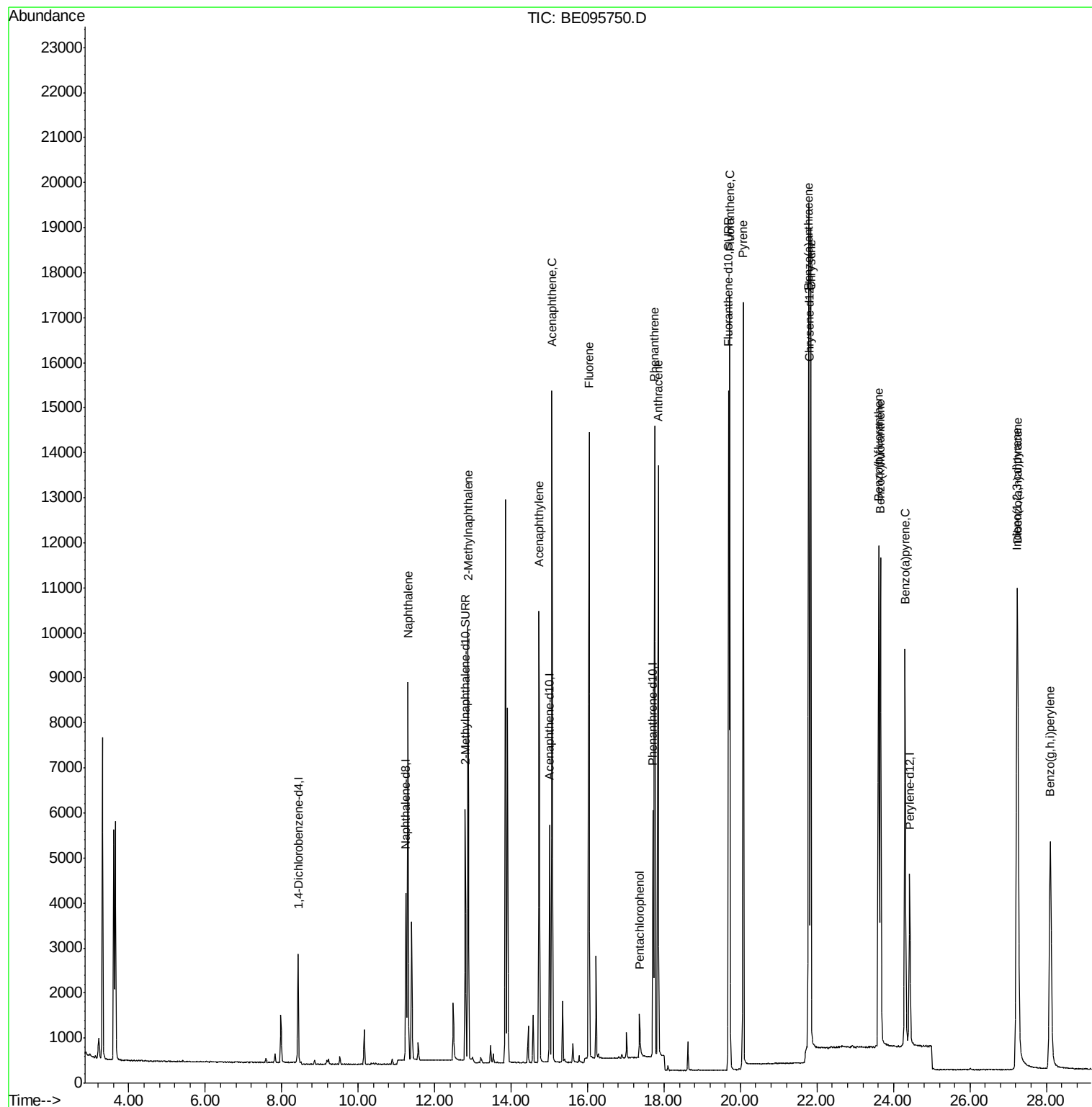
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1776	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	5104	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	2846	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	6365	0.40	ng/ul	0.00
16) Chrysene-d12	21.79	240	6480	0.40	ng/ul	0.00
20) Perylene-d12	24.42	264	5677	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.80	152	6977	0.84	ng/ul	0.00
14) Fluoranthene-d10	19.68	212	16332	0.67	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.30	128	11379	0.796	ng/ul#	89
5) 2-Methylnaphthalene	12.87	142	8041	0.843	ng/ul	99
7) Acenaphthylene	14.73	152	11728	0.856	ng/ul	96
8) Acenaphthene	15.07	153	8761	0.825	ng/ul	94
9) Fluorene	16.04	166	9625	0.879	ng/ul#	93
11) Pentachlorophenol	17.37	266	660	0.535	ng/ul	96
12) Phenanthrene	17.75	178	15291	0.714	ng/ul#	89
13) Anthracene	17.84	178	14571	0.744	ng/ul#	91
15) Fluoranthene	19.72	202	18783	0.678	ng/ul	83
17) Pyrene	20.07	202	19385	0.892	ng/ul#	78
18) Benzo(a)anthracene	21.78	228	16785	0.828	ng/ul#	85
19) Chrysene	21.84	228	17045	0.810	ng/ul	96
21) Benzo(b)fluoranthene	23.61	252	16226	0.810	ng/ul	83
22) Benzo(k)fluoranthene	23.66	252	15444	0.843	ng/ul#	85
23) Benzo(a)pyrene	24.30	252	14871	0.832	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	27.23	276	16615	0.847	ng/ul#	77
25) Dibenzo(a,h)anthracene	27.25	278	13384	0.834	ng/ul#	86
26) Benzo(g,h,i)perylene	28.10	276	14160	0.853	ng/ul#	91

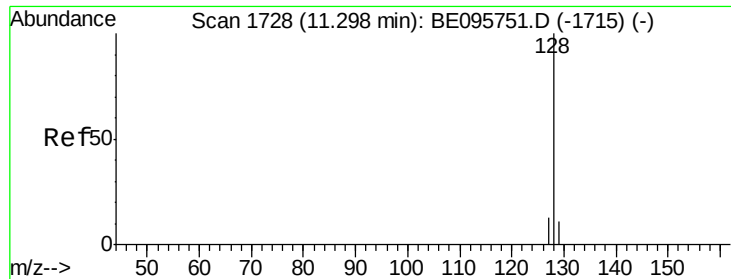
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.796 ng/ul

RT: 11.30 min Scan# 1728

Delta R.T. -0.00 min

Lab File: BE095750.D

Acq: 13 Mar 2018 15:09

Instrument :

BNA_E

ClientSampleId :

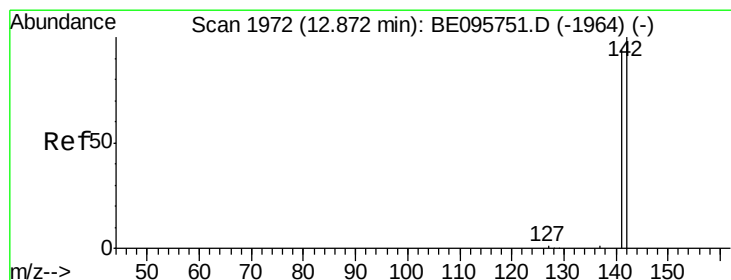
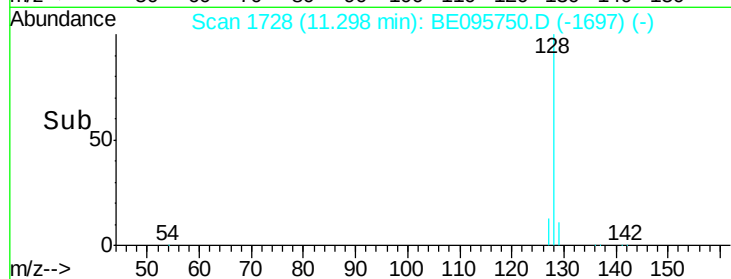
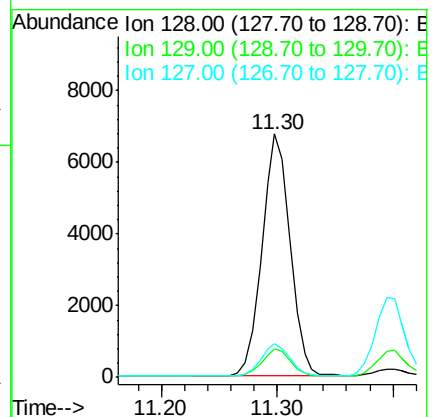
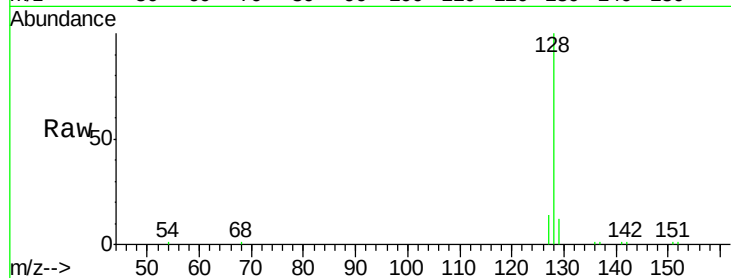
Tot Ion:128 Resp: 11379

Ion Ratio Lower Upper

128 100

129 11.7 11.3 16.9

127 13.7 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.843 ng/ul

RT: 12.87 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BE095750.D

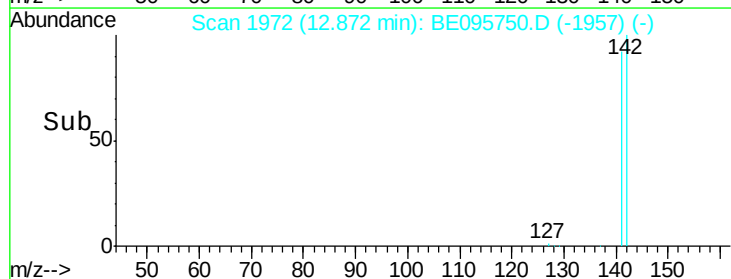
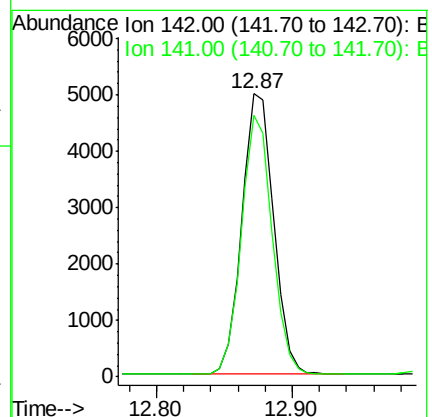
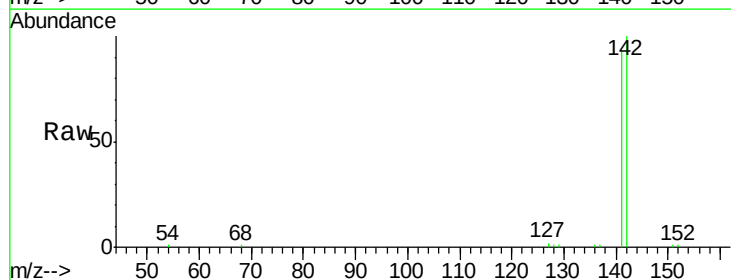
Acq: 13 Mar 2018 15:09

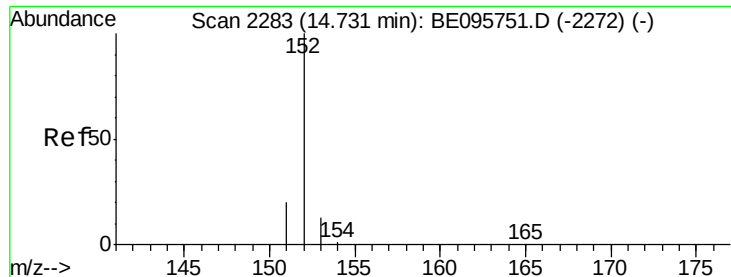
Tgt Ion:142 Resp: 8041

Ion Ratio Lower Upper

142 100

141 89.6 72.6 108.8





#7

Acenaphthylene

Concen: 0.856 ng/ul

RT: 14.73 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BE095750.D

Acq: 13 Mar 2018 15:09

Instrument :

BNA_E

ClientSampleId :

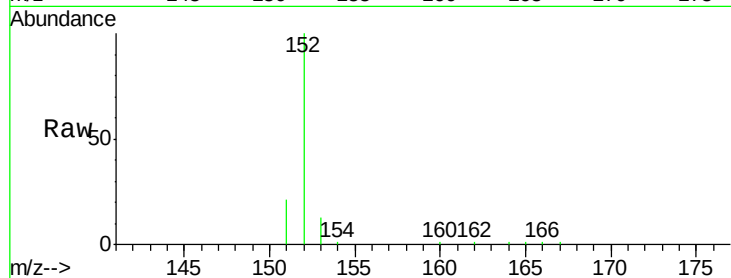
Tot Ion:152 Resp: 11728

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

153 13.1 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

10000

8000

6000

4000

2000

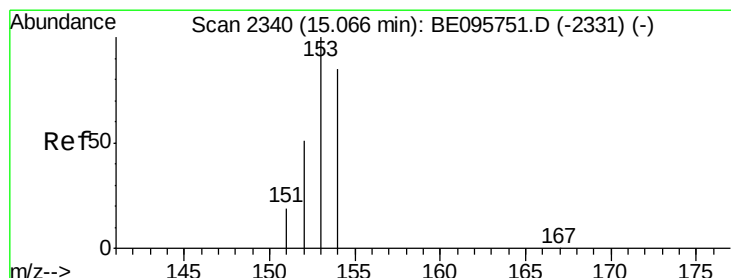
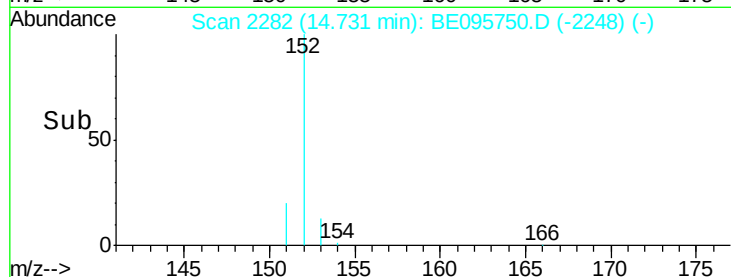
0

14.73

14.70

14.80

Time-->



#8

Acenaphthene

Concen: 0.825 ng/ul

RT: 15.07 min Scan# 2339

Delta R.T. -0.00 min

Lab File: BE095750.D

Acq: 13 Mar 2018 15:09

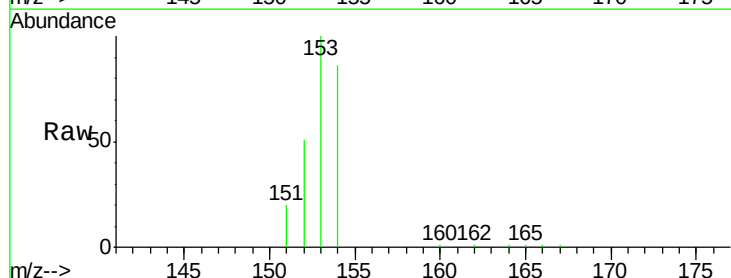
Tgt Ion:153 Resp: 8761

Ion Ratio Lower Upper

153 100

152 51.2 36.0 54.0

154 85.9 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

8000

6000

4000

2000

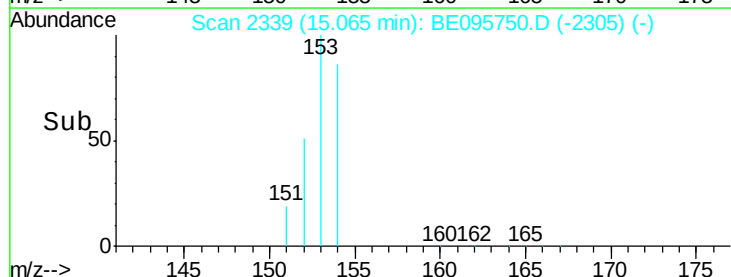
0

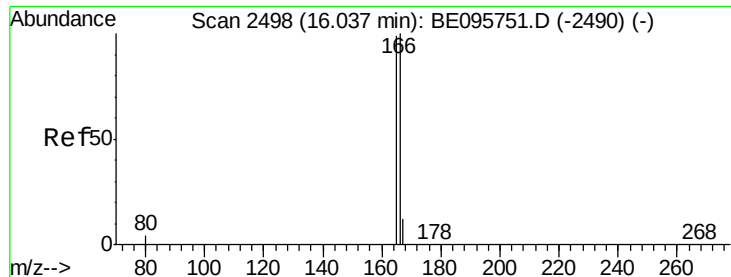
15.07

15.00

15.10

Time-->





#9

Fluorene

Concen: 0.879 ng/ul

RT: 16.04 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BE095750.D

Acq: 13 Mar 2018 15:09

Instrument :

BNA_E

ClientSampleId :

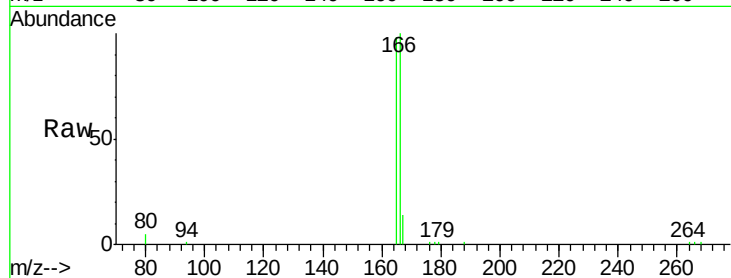
Tot Ion:166 Resp: 9625

Ion Ratio Lower Upper

166 100

165 98.2 73.4 110.2

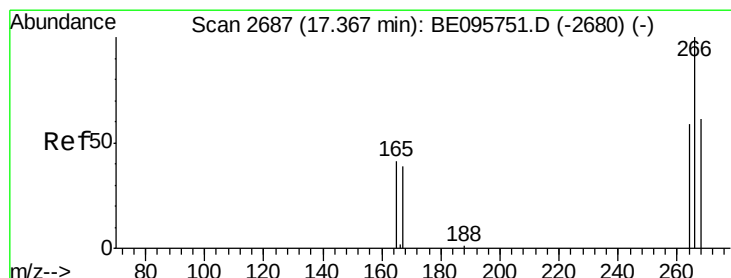
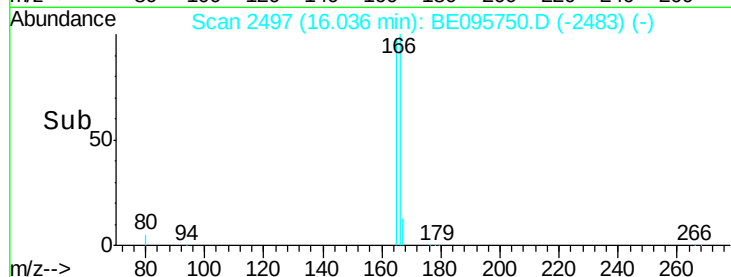
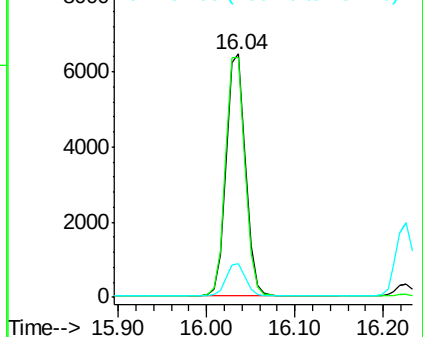
167 13.7 14.6 22.0#



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: 0.535 ng/ul

RT: 17.37 min Scan# 2686

Delta R.T. -0.00 min

Lab File: BE095750.D

Acq: 13 Mar 2018 15:09

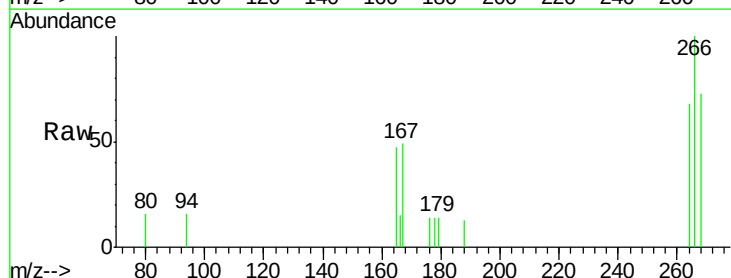
Tgt Ion:266 Resp: 660

Ion Ratio Lower Upper

266 100

264 64.5 47.9 71.9

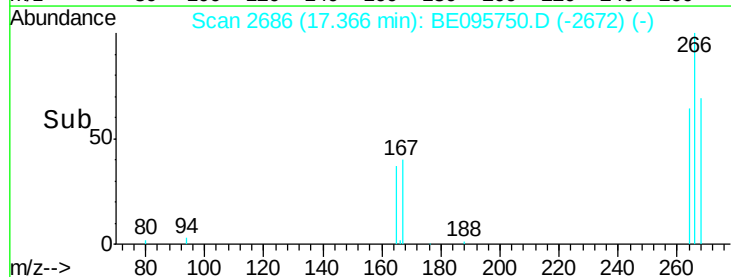
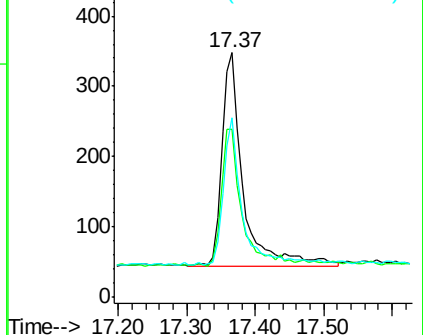
268 61.1 49.8 74.8

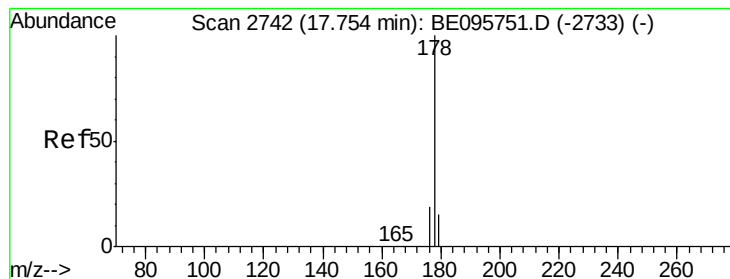


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.714 ng/ul

RT: 17.75 min Scan# 2741

Delta R.T. -0.00 min

Lab File: BE095750.D

Acq: 13 Mar 2018 15:09

Instrument :

BNA_E

ClientSampleId :

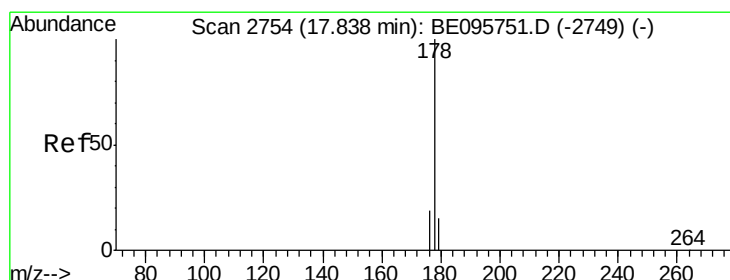
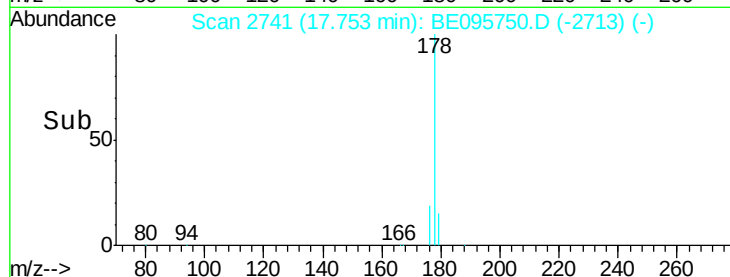
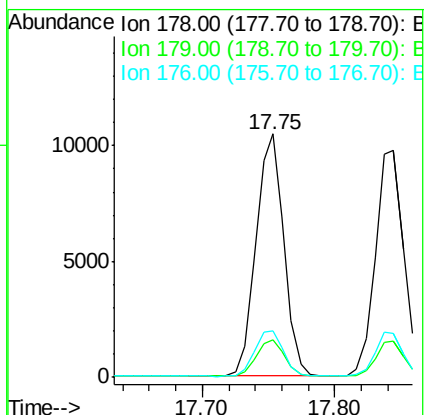
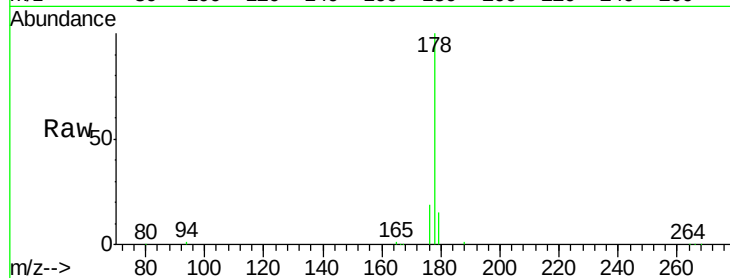
Tot Ion:178 Resp: 15291

Ion Ratio Lower Upper

178 100

179 15.2 18.4 27.6#

176 19.3 13.6 20.4



#13

Anthracene

Concen: 0.744 ng/ul

RT: 17.84 min Scan# 2754

Delta R.T. 0.01 min

Lab File: BE095750.D

Acq: 13 Mar 2018 15:09

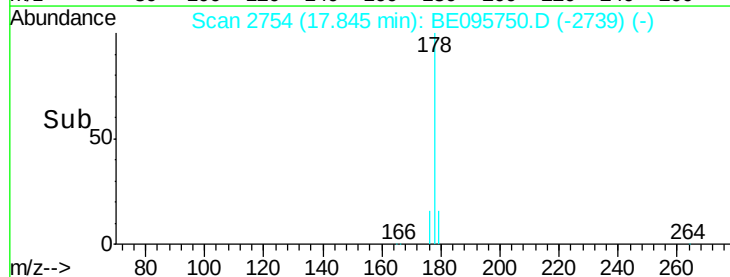
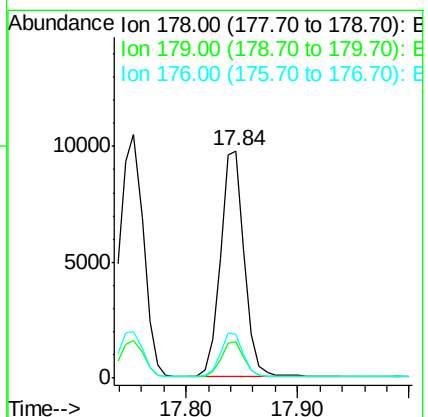
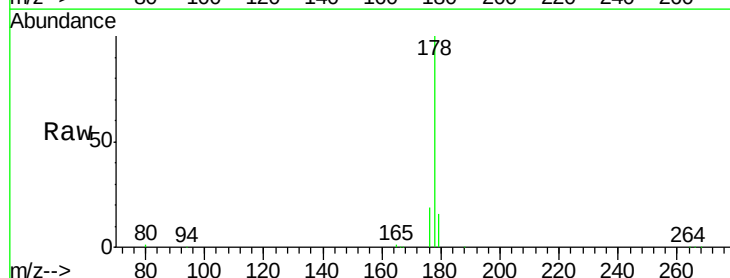
Tgt Ion:178 Resp: 14571

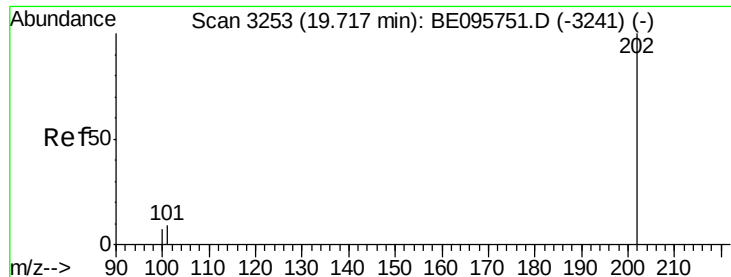
Ion Ratio Lower Upper

178 100

179 15.9 18.1 27.1#

176 19.3 14.7 22.1





#15

Fluoranthene

Concen: 0.678 ng/ul

RT: 19.72 min Scan# 3252

Delta R.T. 0.00 min

Lab File: BE095750.D

Acq: 13 Mar 2018 15:09

Instrument :

BNA_E

ClientSampleId :

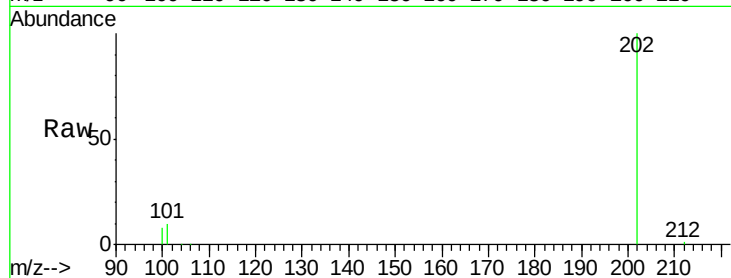
Tot Ion:202 Resp: 18783

Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.3

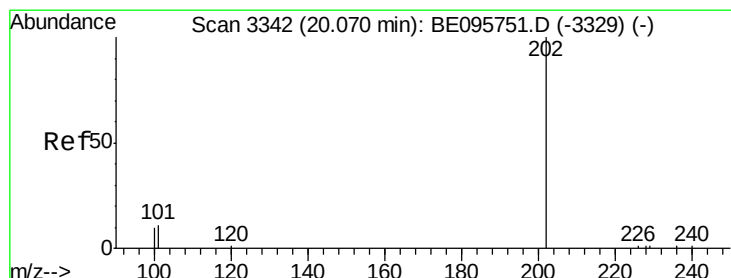
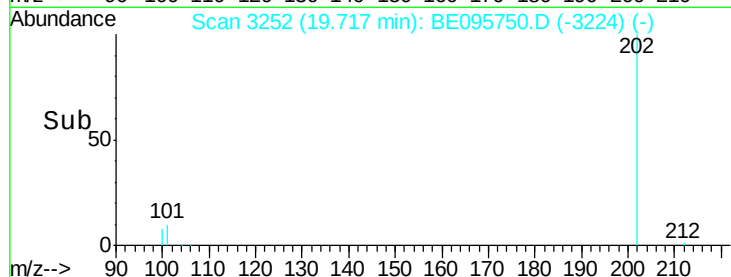
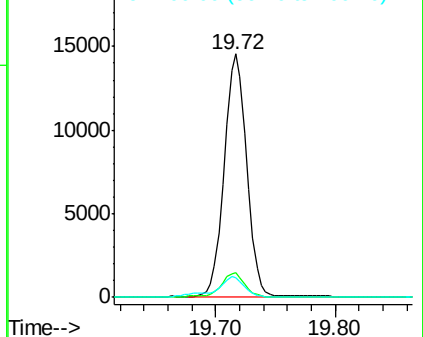
100 8.0 0.0 39.5



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: 0.892 ng/ul

RT: 20.07 min Scan# 3341

Delta R.T. 0.00 min

Lab File: BE095750.D

Acq: 13 Mar 2018 15:09

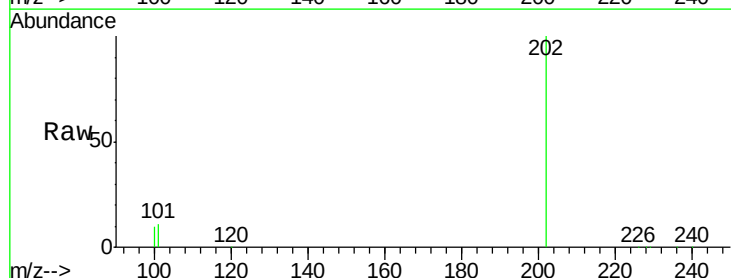
Tgt Ion:202 Resp: 19385

Ion Ratio Lower Upper

202 100

101 11.4 18.2 27.4#

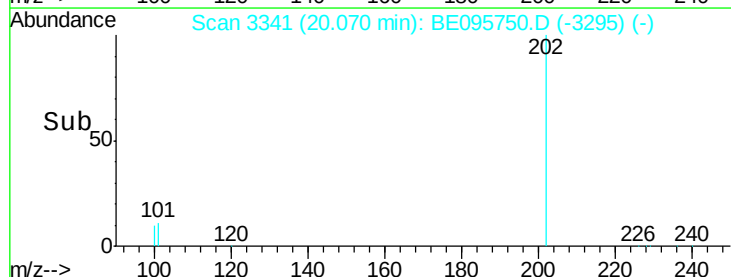
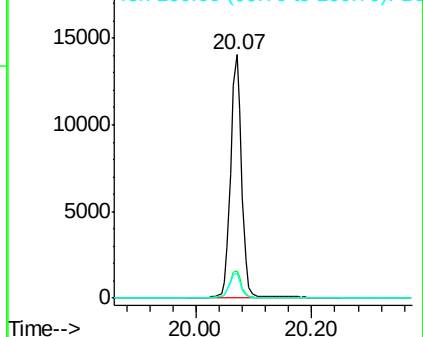
100 9.9 15.6 23.4#

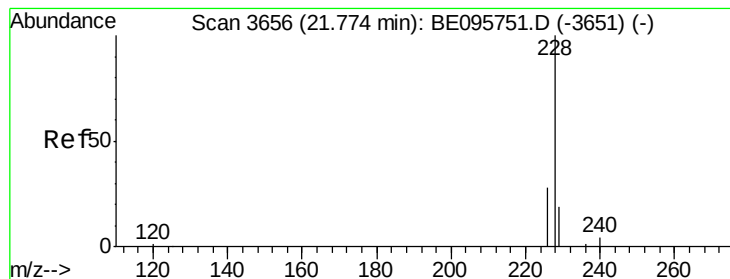


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.828 ng/ul

RT: 21.78 min Scan# 3656

Delta R.T. 0.01 min

Lab File: BE095750.D

Acq: 13 Mar 2018 15:09

Instrument :

BNA_E

ClientSampleId :

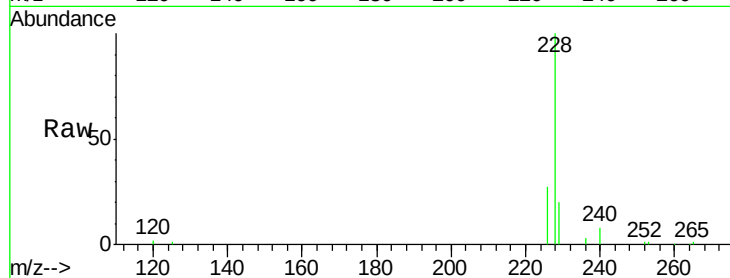
Tot Ion:228 Resp: 16785

Ion Ratio Lower Upper

228 100

229 19.6 22.8 34.2#

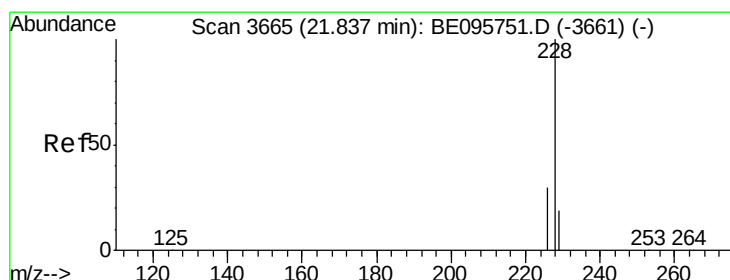
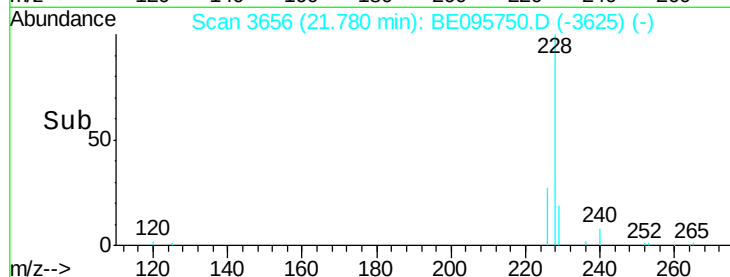
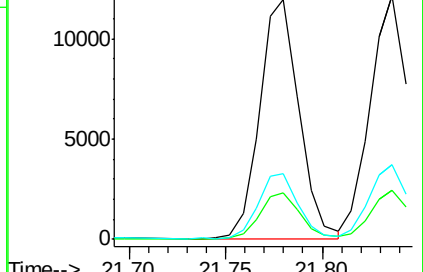
226 27.2 17.0 25.6#



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: 0.810 ng/ul

RT: 21.84 min Scan# 3664

Delta R.T. -0.00 min

Lab File: BE095750.D

Acq: 13 Mar 2018 15:09

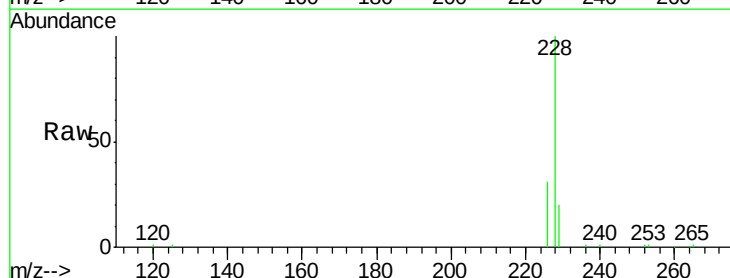
Tgt Ion:228 Resp: 17045

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

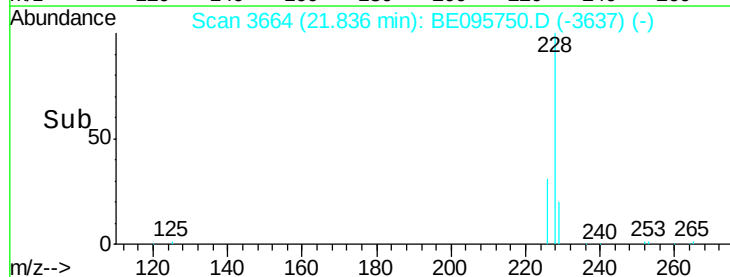
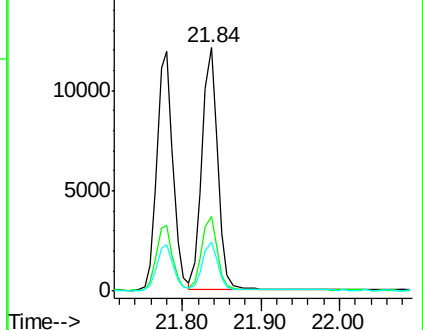
229 20.0 17.7 26.5

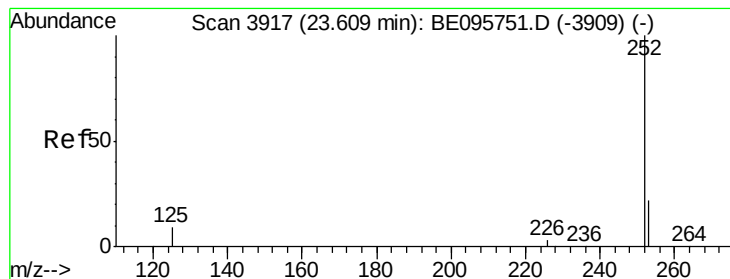


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.810 ng/ul

RT: 23.61 min Scan# 3916

Delta R.T. -0.00 min

Lab File: BE095750.D

Acq: 13 Mar 2018 15:09

Instrument :

BNA_E

ClientSampleId :

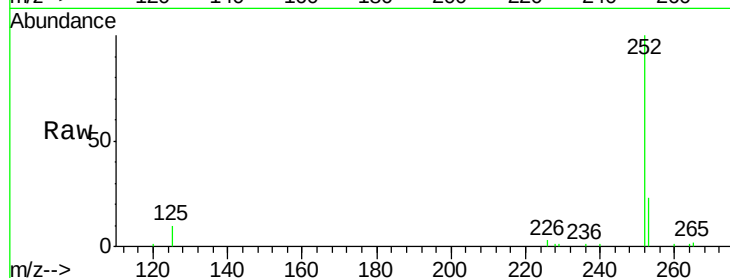
Tot Ion:252 Resp: 16226

Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

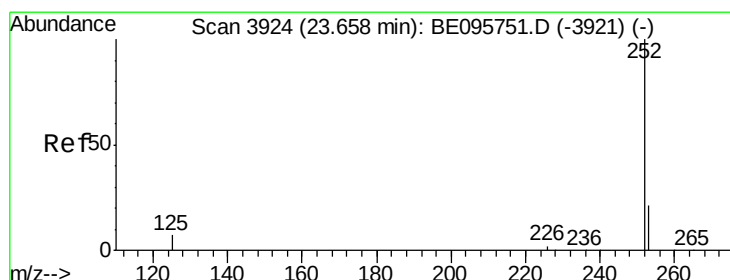
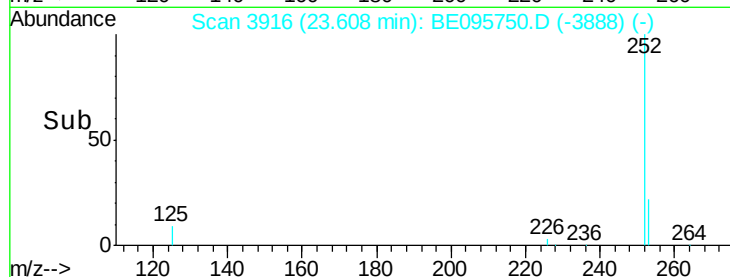
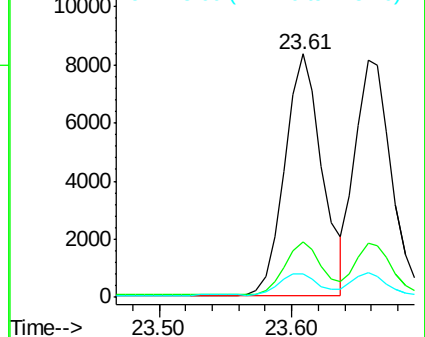
125 9.7 0.0 35.0



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: 0.843 ng/ul

RT: 23.66 min Scan# 3923

Delta R.T. -0.00 min

Lab File: BE095750.D

Acq: 13 Mar 2018 15:09

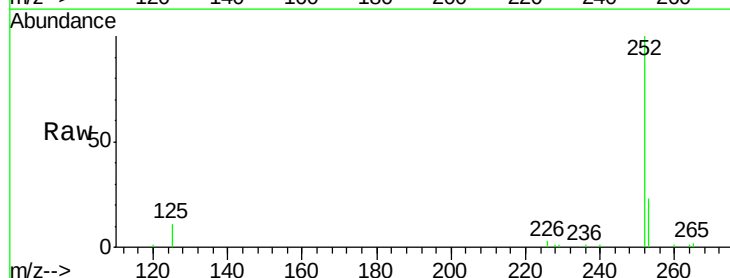
Tgt Ion:252 Resp: 15444

Ion Ratio Lower Upper

252 100

253 22.7 24.5 36.7#

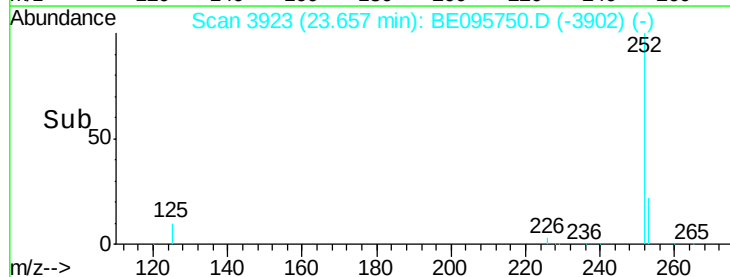
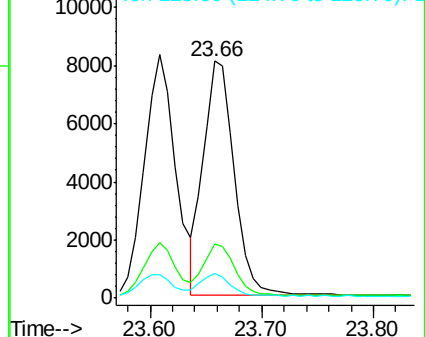
125 10.7 13.7 20.5#

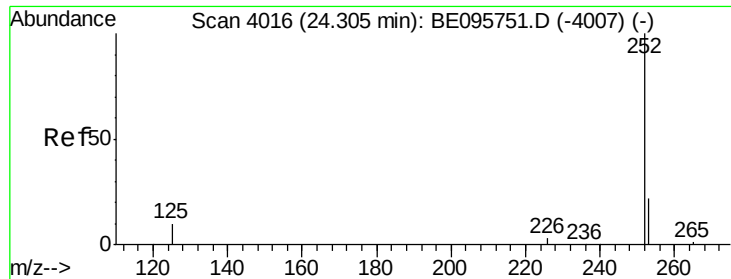


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.832 ng/ul

RT: 24.30 min Scan# 4015

Delta R.T. -0.00 min

Lab File: BE095750.D

Acq: 13 Mar 2018 15:09

Instrument :

BNA_E

ClientSampleId :

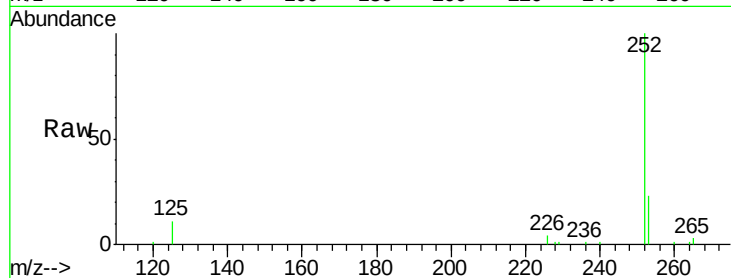
Tot Ion:252 Resp: 14871

Ion Ratio Lower Upper

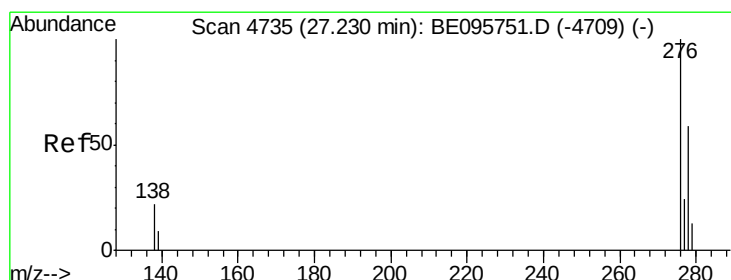
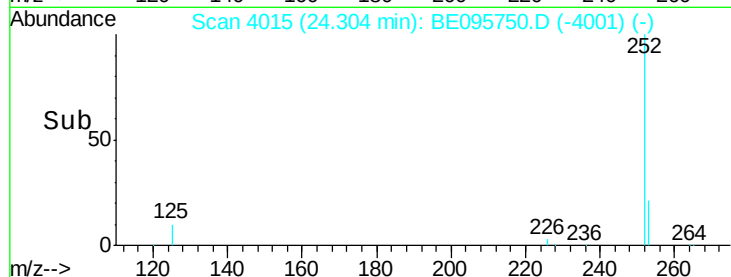
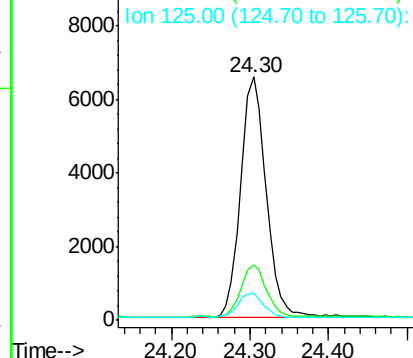
252 100

253 22.6 28.5 42.7#

125 11.1 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: 0.847 ng/ul

RT: 27.23 min Scan# 4734

Delta R.T. -0.00 min

Lab File: BE095750.D

Acq: 13 Mar 2018 15:09

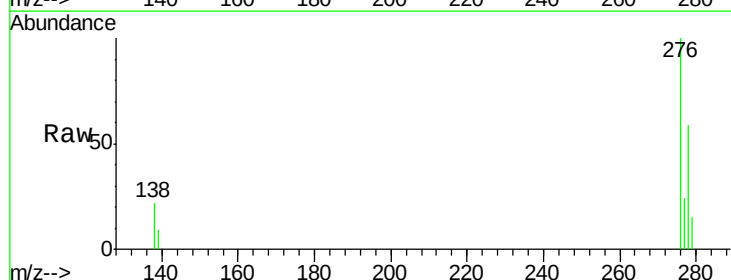
Tgt Ion:276 Resp: 16615

Ion Ratio Lower Upper

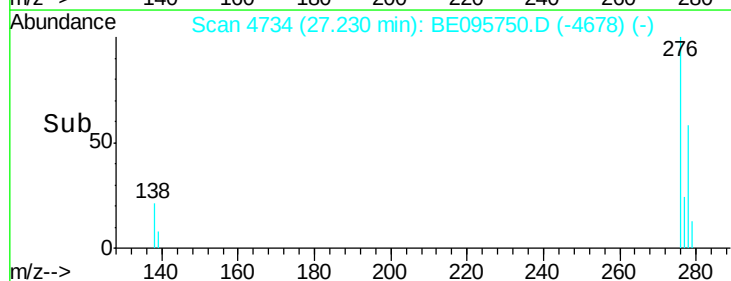
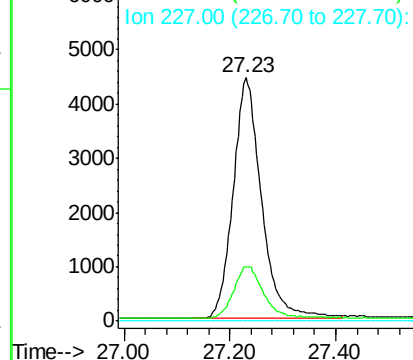
276 100

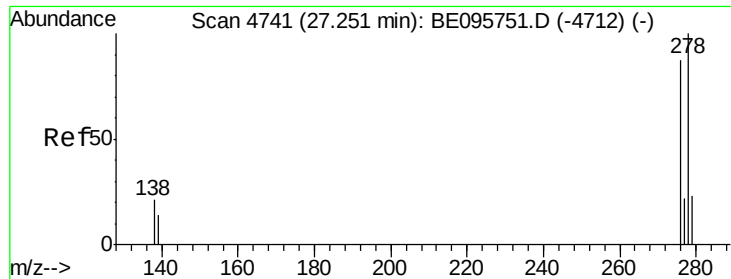
138 22.6 28.0 42.0#

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

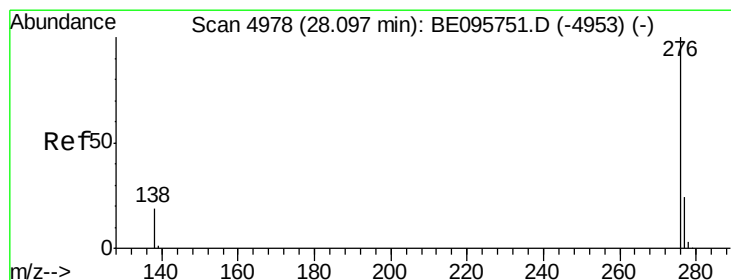
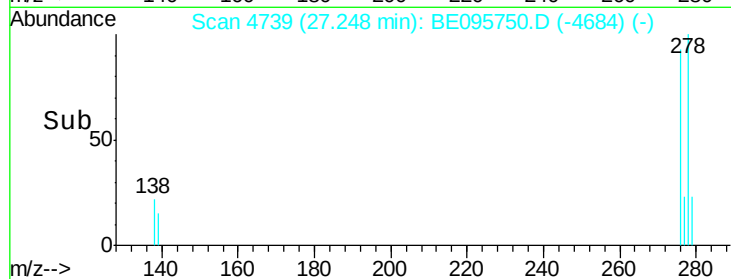
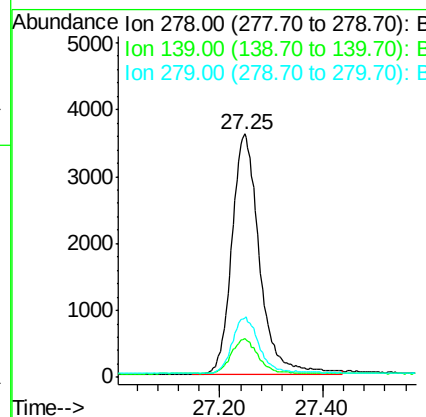
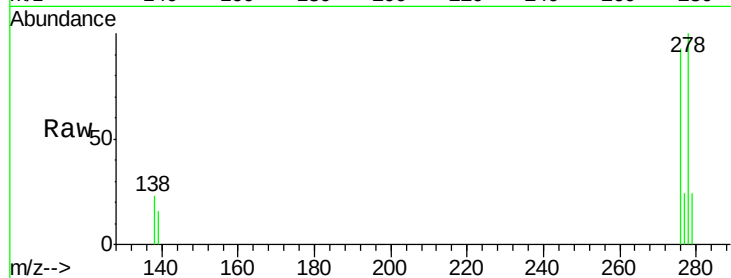




#25
Dibenzo(a,h)anthracene
Concen: 0.834 ng/ul
RT: 27.25 min Scan# 4739
Delta R.T. -0.00 min
Lab File: BE095750.D
Acq: 13 Mar 2018 15:09

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 13384
Ion Ratio Lower Upper
278 100
139 15.8 17.4 26.0#
279 24.4 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.853 ng/ul
RT: 28.10 min Scan# 4978
Delta R.T. 0.00 min
Lab File: BE095750.D
Acq: 13 Mar 2018 15:09

Tgt Ion:276 Resp: 14160
Ion Ratio Lower Upper
276 100
138 20.6 21.8 32.8#
277 23.5 20.5 30.7

