

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020118\
 Data File : BE095357.D
 Acq On : 1 Feb 2018 15:06
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 02 04:04:51 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 06:27:03 2018
 Response via : Initial Calibration

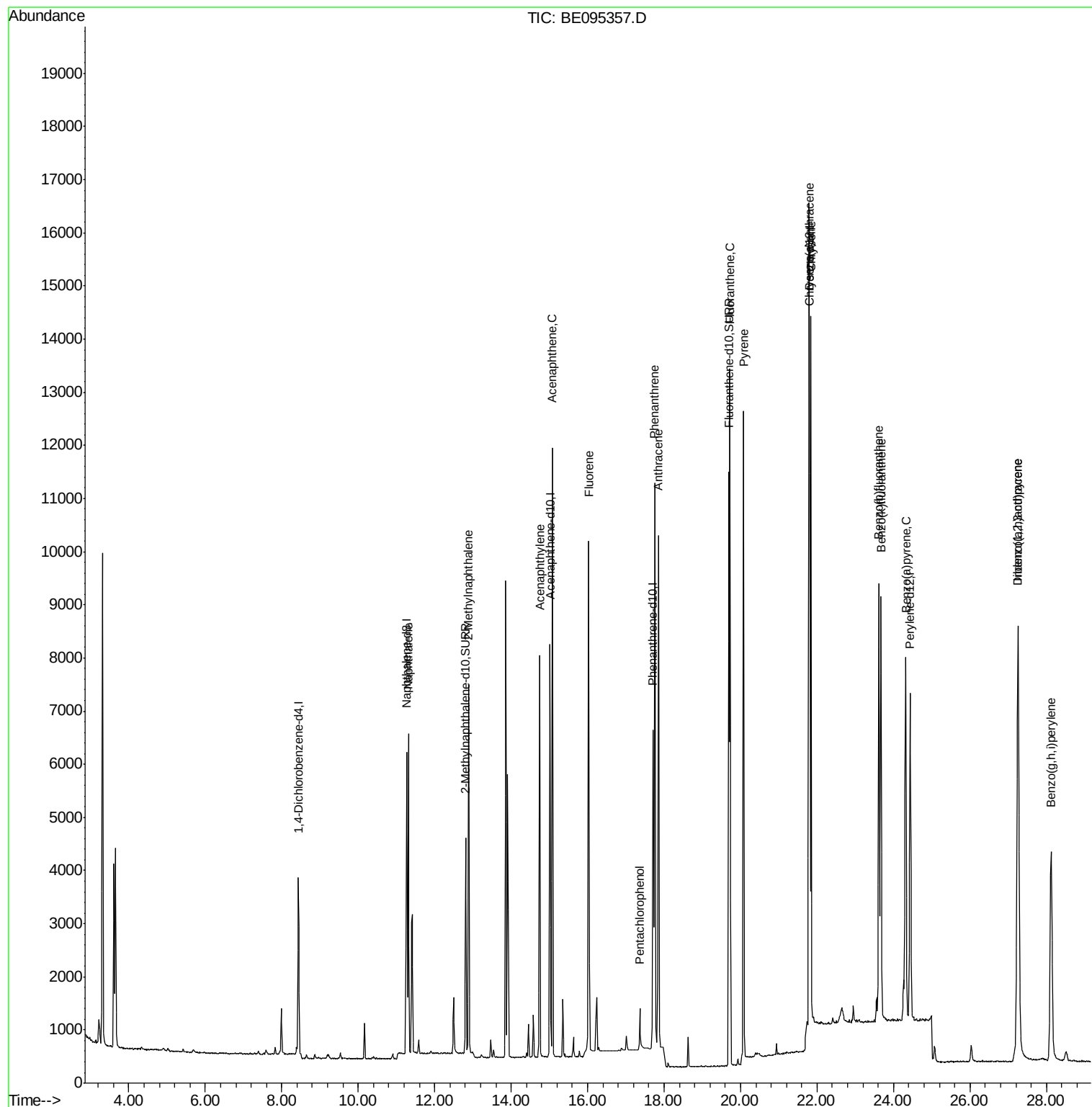
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2353	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	7405	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	4310	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	9066	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	9558	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	9167	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	5147	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	12380	0.36	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.31	128	8321	0.401	ng/ul#	88
5) 2-Methylnaphthalene	12.89	142	5937	0.429	ng/ul	100
7) Acenaphthylene	14.75	152	8945	0.431	ng/ul	96
8) Acenaphthene	15.08	153	6496	0.404	ng/ul	95
9) Fluorene	16.03	166	6946	0.419	ng/ul#	81
11) Pentachlorophenol	17.36	266	628	0.358	ng/ul	96
12) Phenanthrene	17.75	178	11993	0.393	ng/ul#	90
13) Anthracene	17.85	178	11465	0.411	ng/ul#	93
15) Fluoranthene	19.72	202	13848	0.351	ng/ul	84
17) Pyrene	20.08	202	15283	0.477	ng/ul#	78
18) Benzo(a)anthracene	21.79	228	12980	0.434	ng/ul#	86
19) Chrysene	21.84	228	12302	0.396	ng/ul	96
21) Benzo(b)fluoranthene	23.62	252	12204	0.377	ng/ul	85
22) Benzo(k)fluoranthene	23.67	252	11764	0.398	ng/ul#	87
23) Benzo(a)pyrene	24.32	252	11538	0.400	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	27.25	276	12835	0.405	ng/ul#	77
25) Dibenzo(a,h)anthracene	27.27	278	10333	0.399	ng/ul#	90
26) Benzo(g,h,i)perylene	28.13	276	10778	0.402	ng/ul#	93

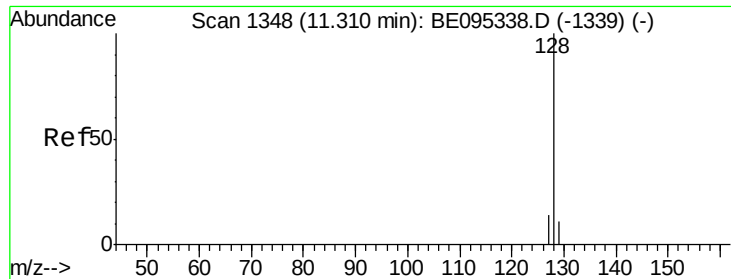
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.401 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE095357.D

Acq: 1 Feb 2018 15:06

Instrument :

BNA_E

ClientSampleId :

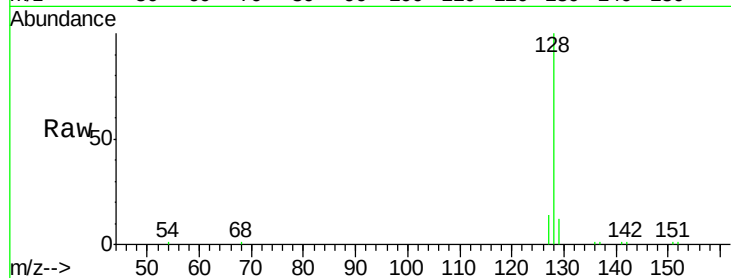
Tot Ion:128 Resp: 8321

Ion Ratio Lower Upper

128 100

129 11.6 11.3 16.9

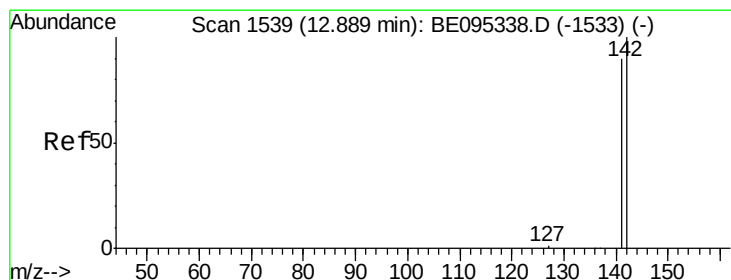
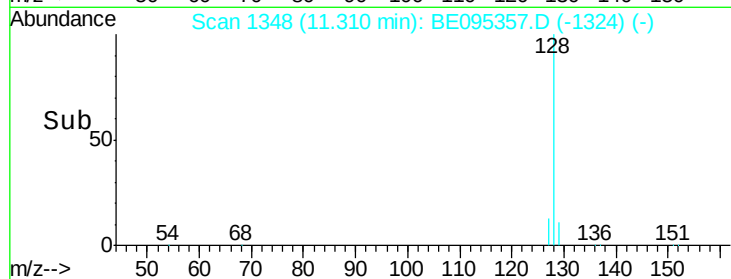
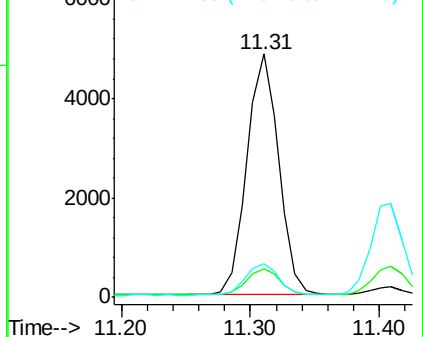
127 13.8 4.0 6.0#



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: 0.429 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BE095357.D

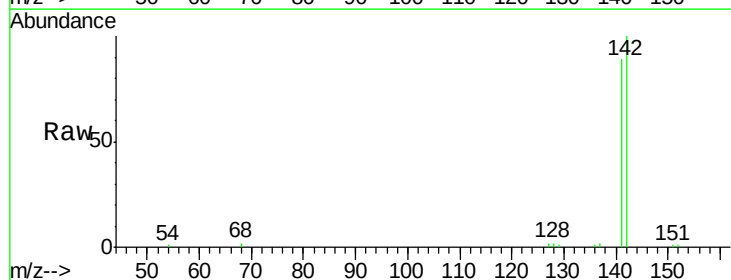
Acq: 1 Feb 2018 15:06

Tgt Ion:142 Resp: 5937

Ion Ratio Lower Upper

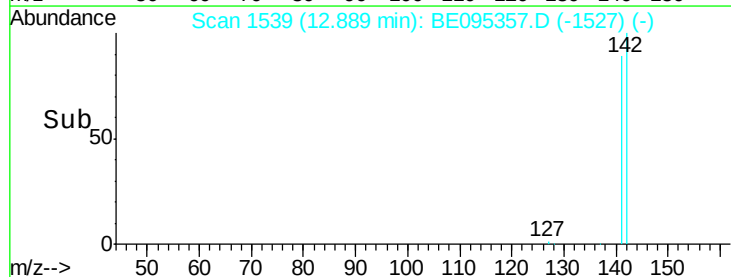
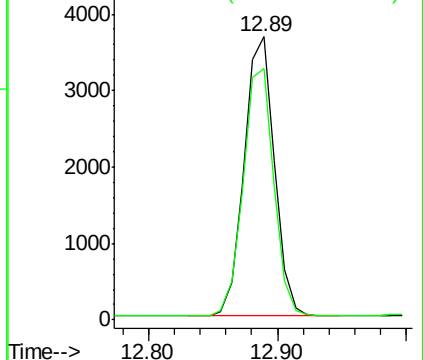
142 100

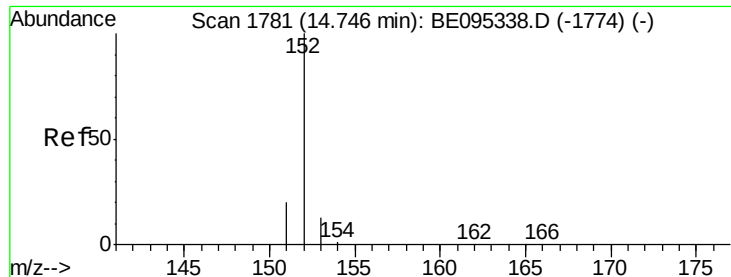
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.431 ng/ul

RT: 14.75 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE095357.D

Acq: 1 Feb 2018 15:06

Instrument :

BNA_E

ClientSampleId :

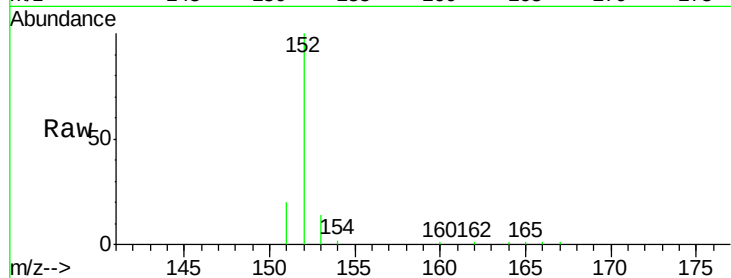
Tot Ion:152 Resp: 8945

Ion Ratio Lower Upper

152 100

151 20.3 17.1 25.7

153 13.7 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

8000

6000

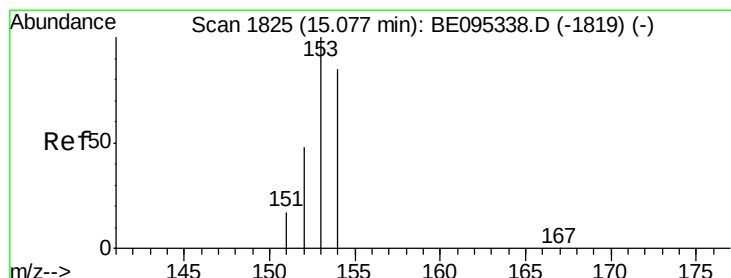
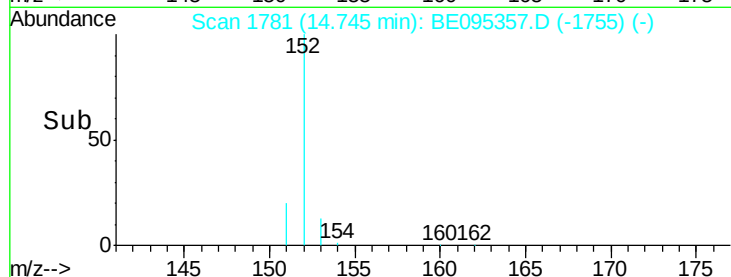
4000

2000

0

14.60 14.70 14.80 14.90

Time-->



#8

Acenaphthene

Concen: 0.404 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095357.D

Acq: 1 Feb 2018 15:06

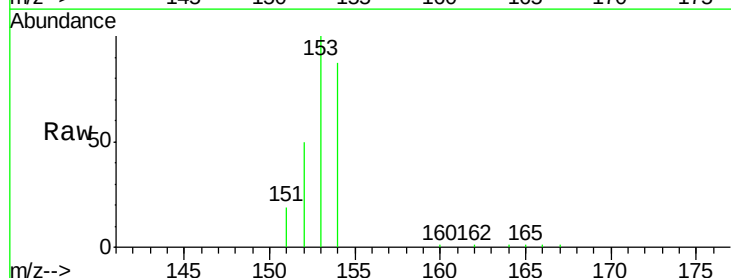
Tgt Ion:153 Resp: 6496

Ion Ratio Lower Upper

153 100

152 50.2 36.0 54.0

154 87.3 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

6000

5000

4000

3000

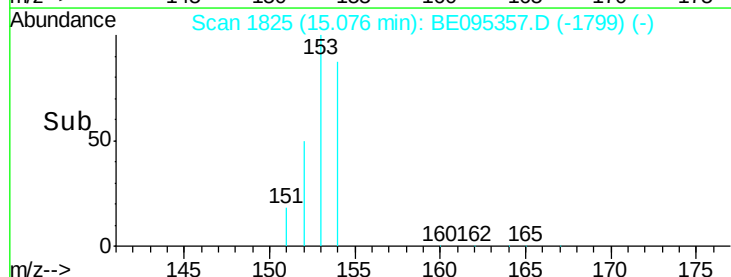
2000

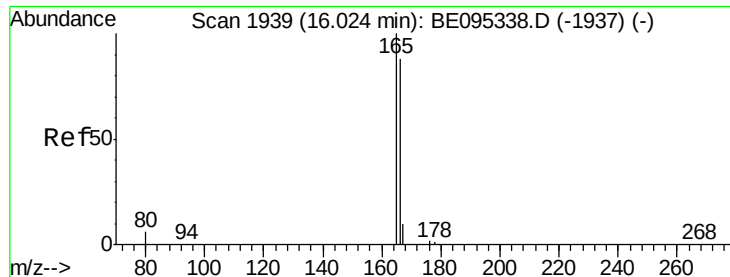
1000

0

15.00 15.10

Time-->





#9

Fluorene

Concen: 0.419 ng/ul

RT: 16.03 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BE095357.D

Acq: 1 Feb 2018 15:06

Instrument :

BNA_E

ClientSampleId :

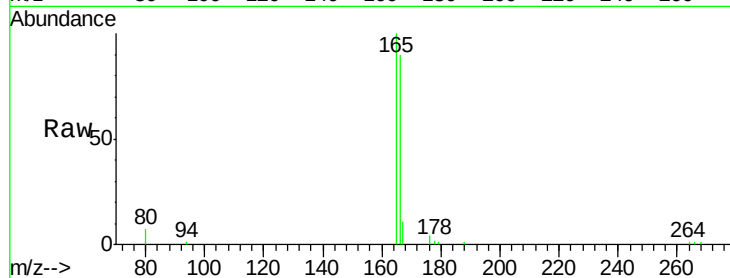
Tot Ion:166 Resp: 6946

Ion Ratio Lower Upper

166 100

165 111.6 73.4 110.2#

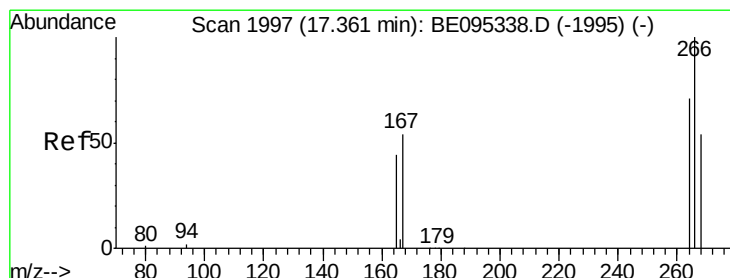
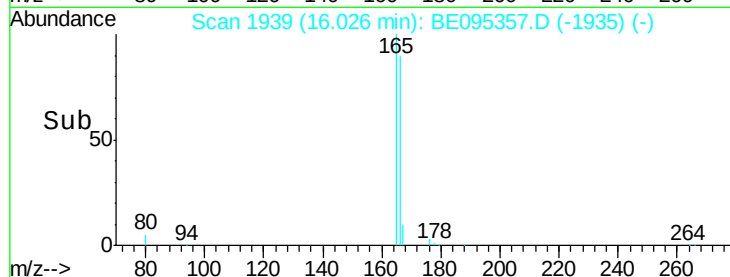
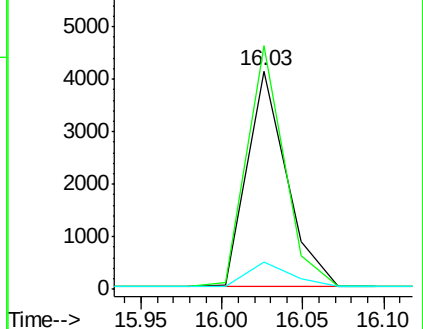
167 12.6 14.6 22.0#



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: 0.358 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BE095357.D

Acq: 1 Feb 2018 15:06

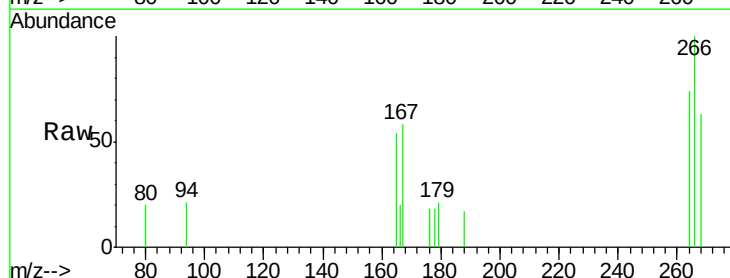
Tgt Ion:266 Resp: 628

Ion Ratio Lower Upper

266 100

264 62.9 47.9 71.9

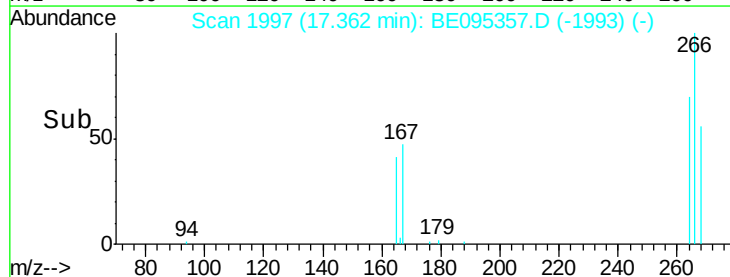
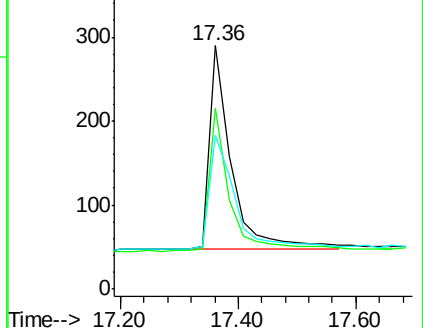
268 65.0 49.8 74.8

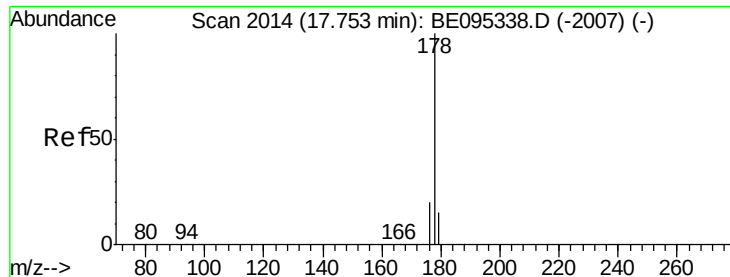


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.393 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE095357.D

Acq: 1 Feb 2018 15:06

Instrument :

BNA_E

ClientSampleId :

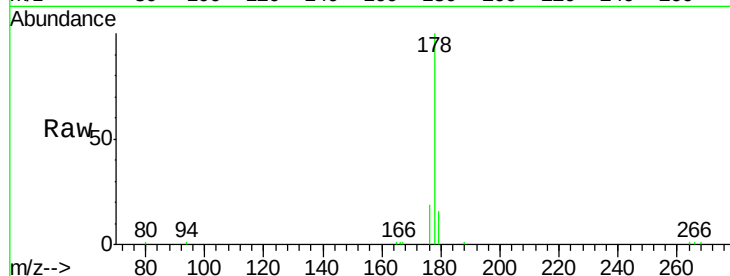
Tot Ion:178 Resp: 11993

Ion Ratio Lower Upper

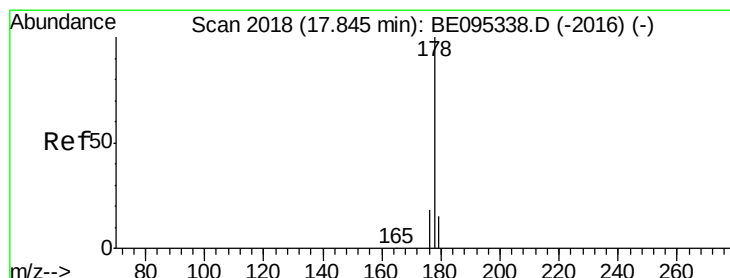
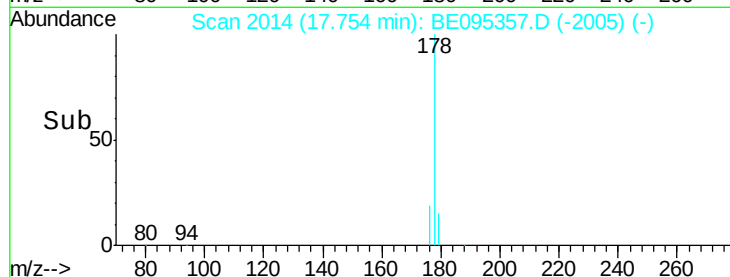
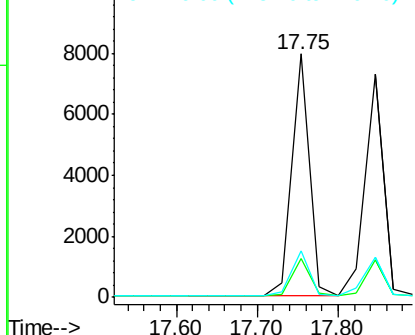
178 100

179 16.0 18.4 27.6#

176 19.1 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: 0.411 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095357.D

Acq: 1 Feb 2018 15:06

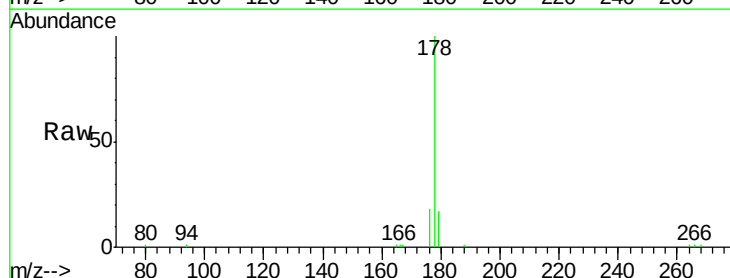
Tgt Ion:178 Resp: 11465

Ion Ratio Lower Upper

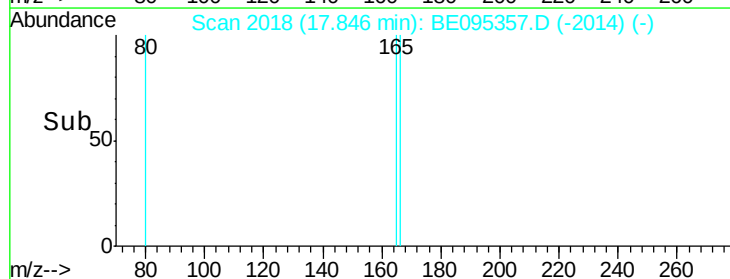
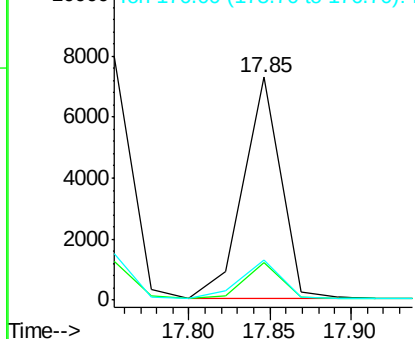
178 100

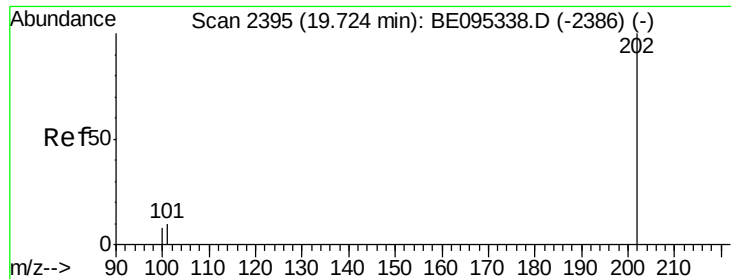
179 16.7 18.1 27.1#

176 17.7 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

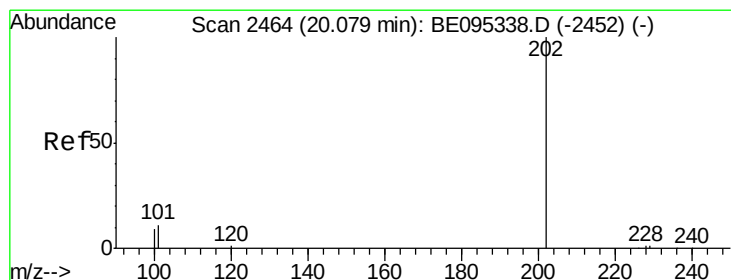
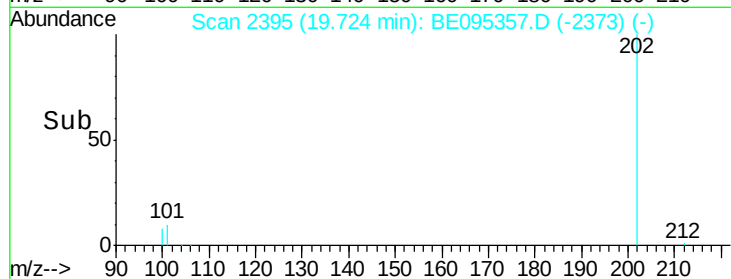
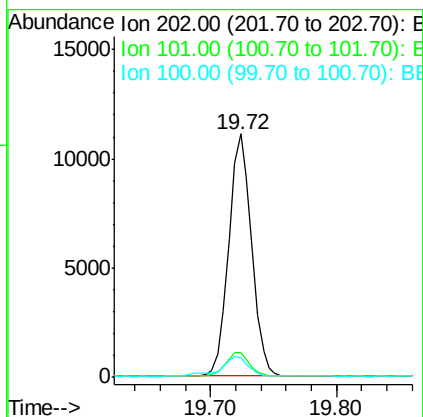
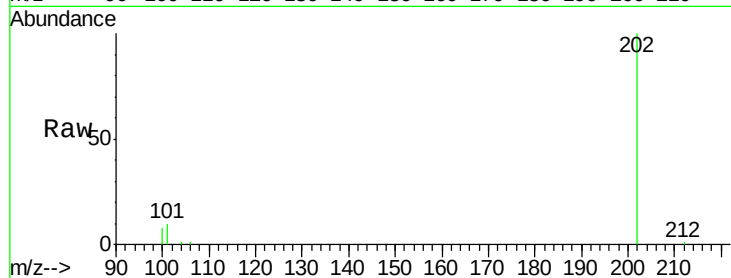




#15
Fluoranthene
 Concen: 0.351 ng/ul
 RT: 19.72 min Scan# 2395
 Delta R.T. -0.00 min
 Lab File: BE095357.D
 Acq: 1 Feb 2018 15:06

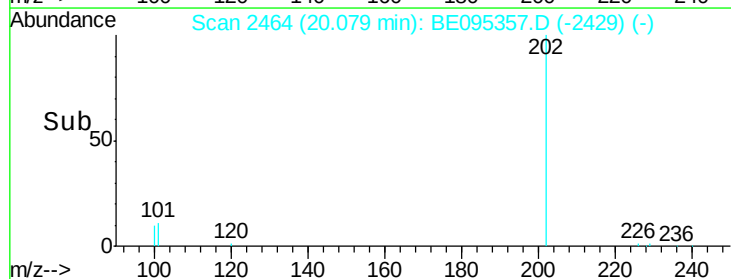
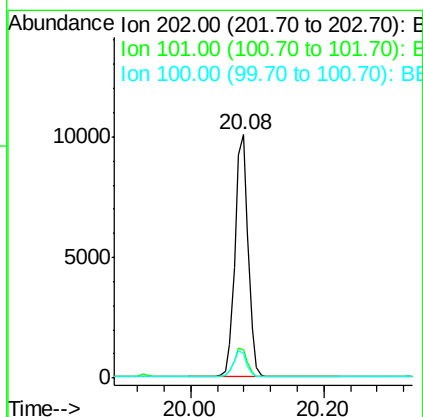
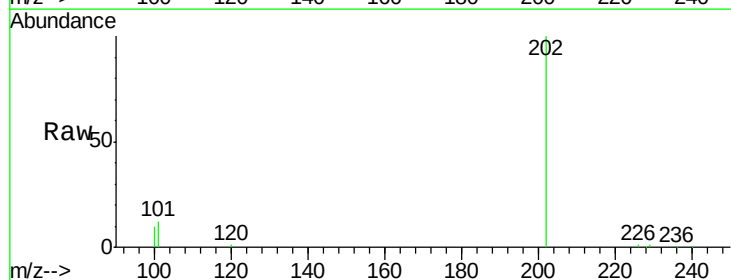
Instrument :
 BNA_E
 ClientSampleId :

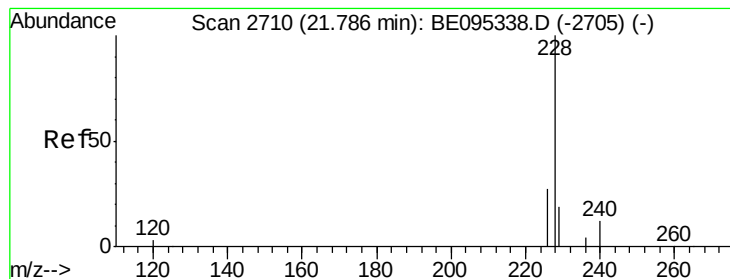
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.3
100	8.3	0.0	39.5



#17
Pyrene
 Concen: 0.477 ng/ul
 RT: 20.08 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: BE095357.D
 Acq: 1 Feb 2018 15:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	18.2	27.4#
100	10.3	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.434 ng/ul

RT: 21.79 min Scan# 2710

Delta R.T. -0.00 min

Lab File: BE095357.D

Acq: 1 Feb 2018 15:06

Instrument :

BNA_E

ClientSampleId :

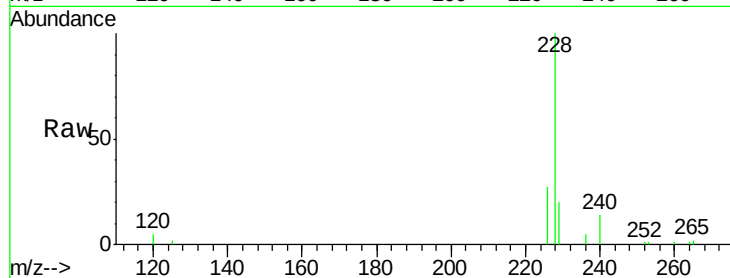
Tot Ion:228 Resp: 12980

Ion Ratio Lower Upper

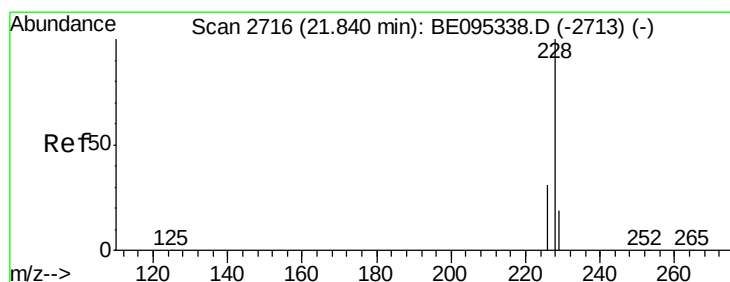
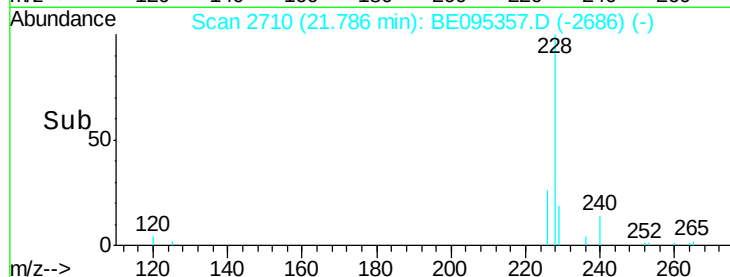
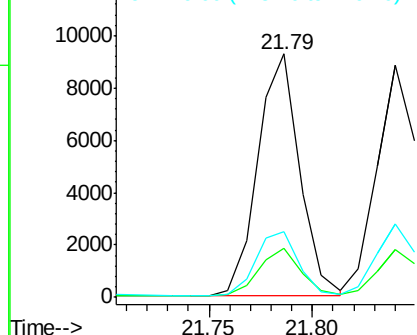
228 100

229 19.9 22.8 34.2#

226 26.8 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: 0.396 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. -0.00 min

Lab File: BE095357.D

Acq: 1 Feb 2018 15:06

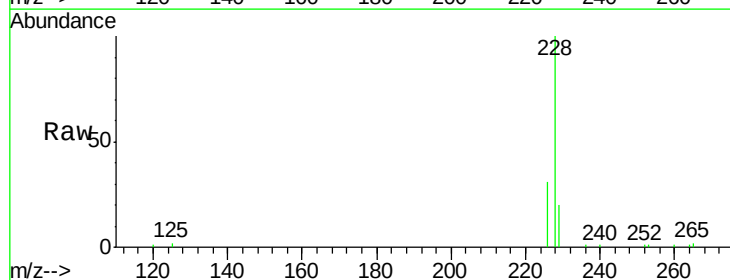
Tgt Ion:228 Resp: 12302

Ion Ratio Lower Upper

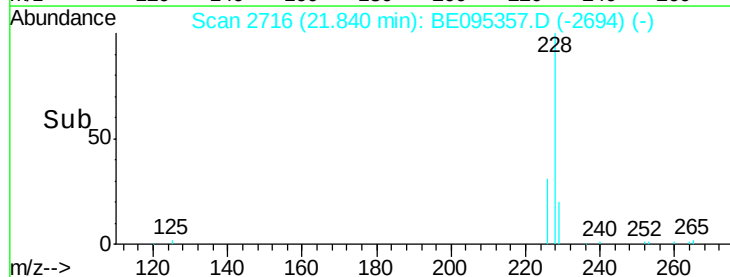
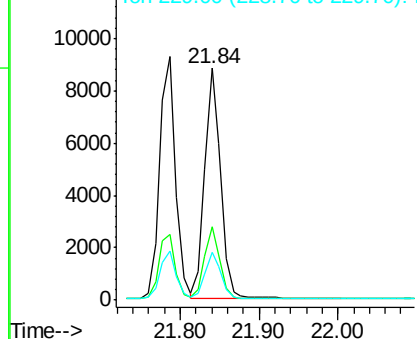
228 100

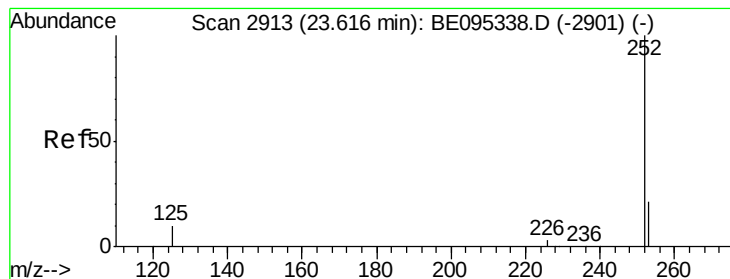
226 31.5 23.4 35.0

229 20.4 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: 0.377 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BE095357.D

Acq: 1 Feb 2018 15:06

Instrument :

BNA_E

ClientSampleId :

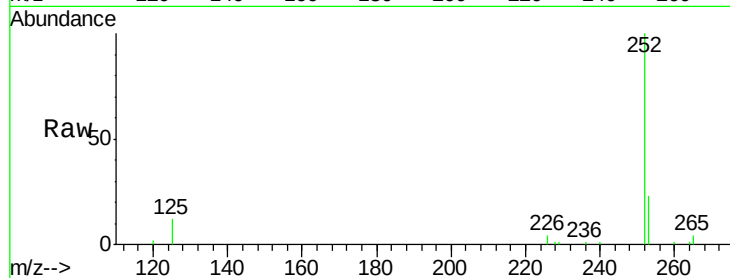
Tot Ion:252 Resp: 12204

Ion Ratio Lower Upper

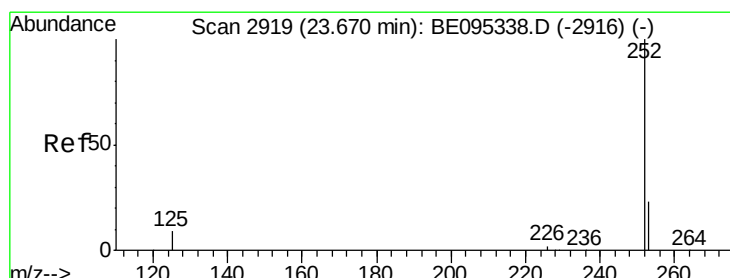
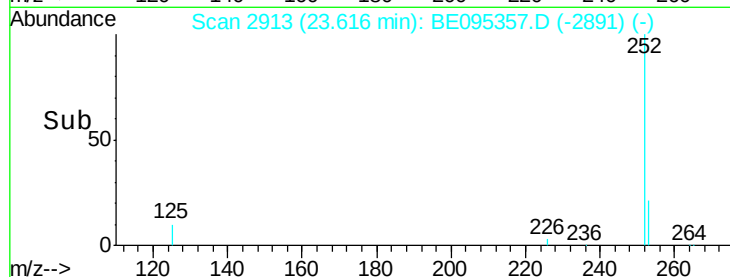
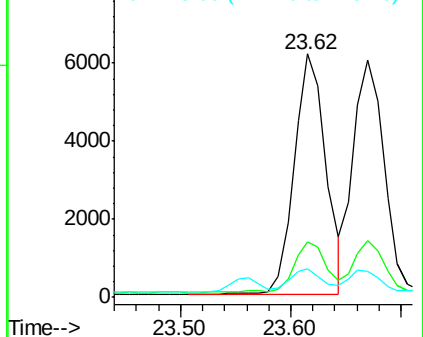
252 100

253 22.9 0.0 64.2

125 12.0 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: 0.398 ng/ul

RT: 23.67 min Scan# 2919

Delta R.T. -0.00 min

Lab File: BE095357.D

Acq: 1 Feb 2018 15:06

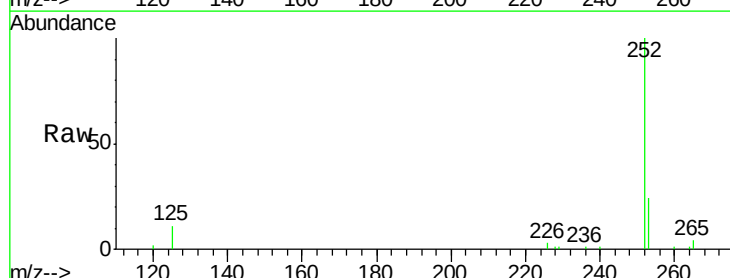
Tgt Ion:252 Resp: 11764

Ion Ratio Lower Upper

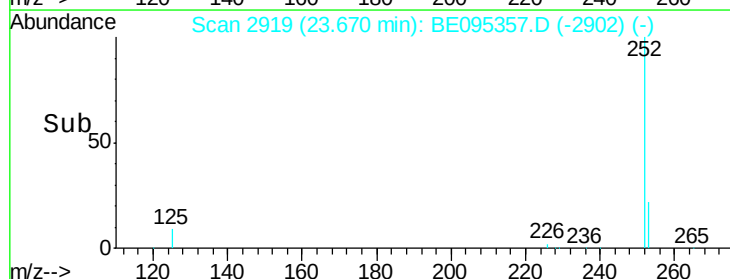
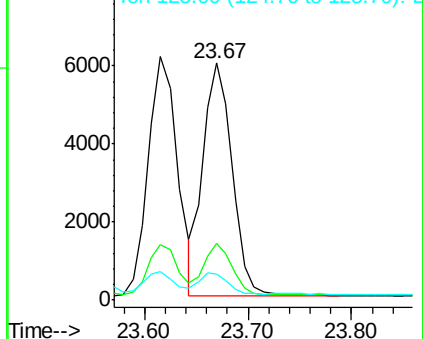
252 100

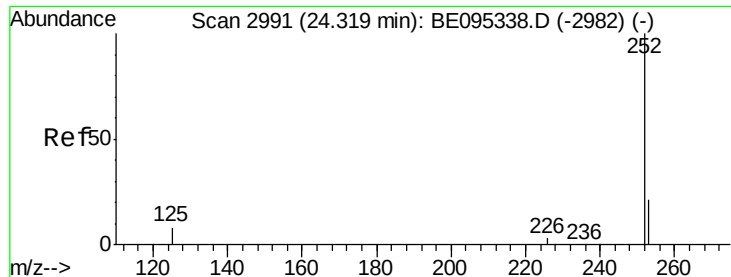
253 23.7 24.5 36.7#

125 11.2 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: 0.400 ng/ul

RT: 24.32 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BE095357.D

Acq: 1 Feb 2018 15:06

Instrument :

BNA_E

ClientSampleId :

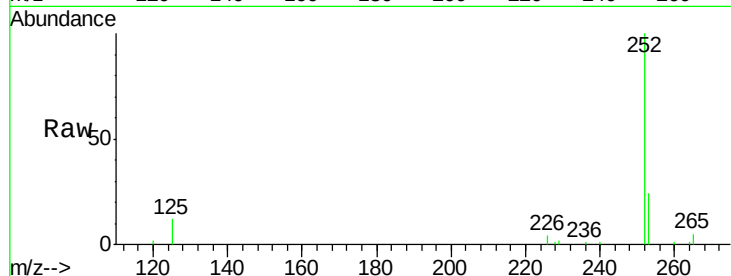
Tot Ion:252 Resp: 11538

Ion Ratio Lower Upper

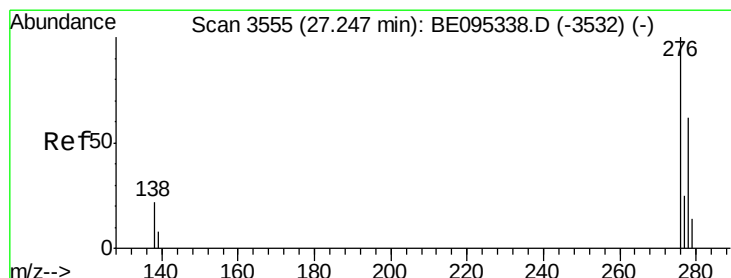
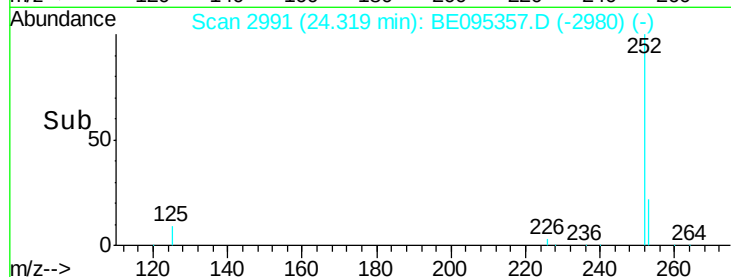
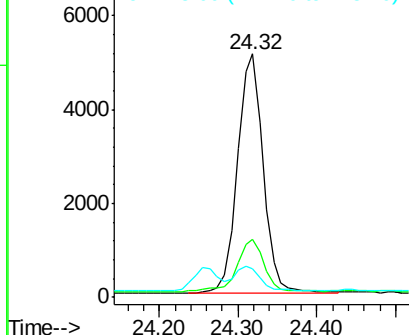
252 100

253 23.9 28.5 42.7#

125 11.6 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: 0.405 ng/ul

RT: 27.25 min Scan# 3555

Delta R.T. -0.00 min

Lab File: BE095357.D

Acq: 1 Feb 2018 15:06

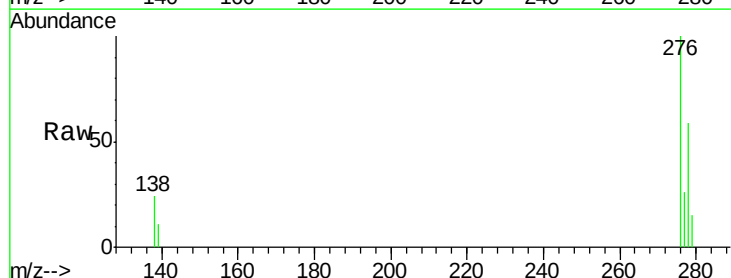
Tgt Ion:276 Resp: 12835

Ion Ratio Lower Upper

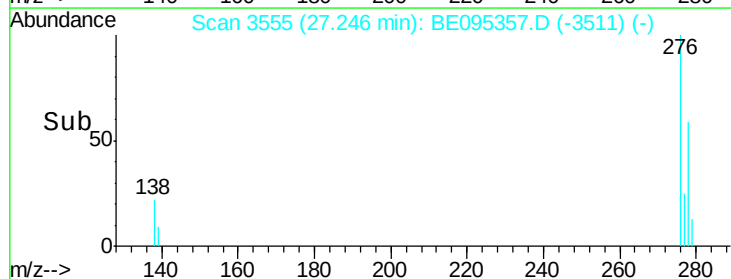
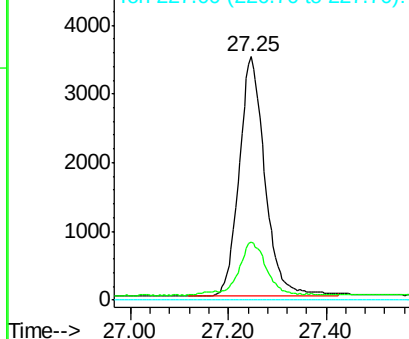
276 100

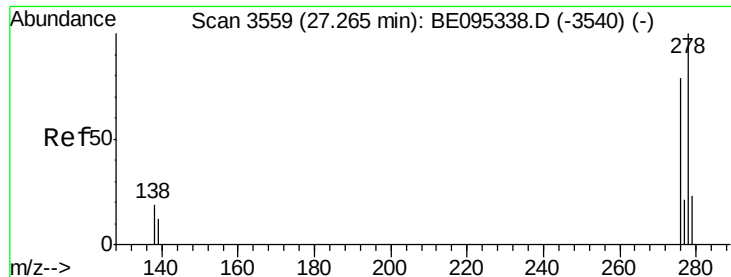
138 22.6 28.0 42.0#

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

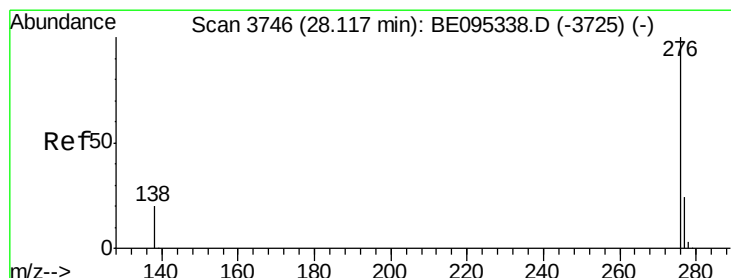
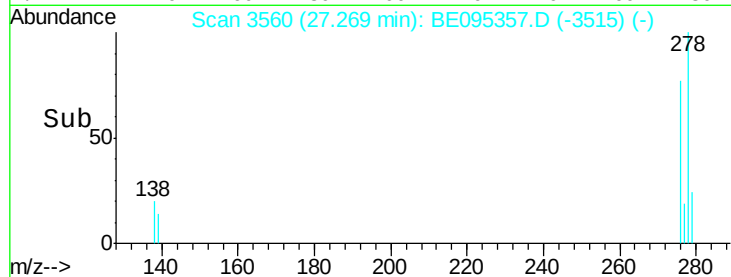
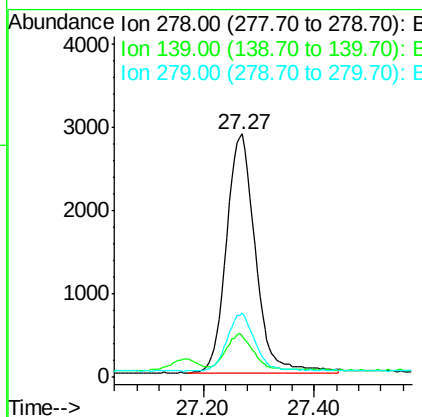
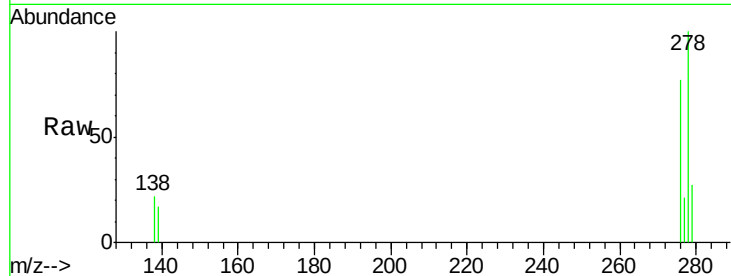




#25
Dibenzo(a,h)anthracene
Concen: 0.399 ng/ul
RT: 27.27 min Scan# 3560
Delta R.T. 0.00 min
Lab File: BE095357.D
Acq: 1 Feb 2018 15:06

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 10333
Ion Ratio Lower Upper
278 100
139 16.9 17.4 26.0#
279 26.5 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.402 ng/ul
RT: 28.13 min Scan# 3748
Delta R.T. 0.01 min
Lab File: BE095357.D
Acq: 1 Feb 2018 15:06

Tgt Ion:276 Resp: 10778
Ion Ratio Lower Upper
276 100
138 20.9 21.8 32.8#
277 25.0 20.5 30.7

