

Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
 Data File : BE094665.D
 Acq On : 31 Oct 2017 19:29
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 01 01:47:39 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 01:43:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1249	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	7573	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.52	164	4177	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8864	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	9354	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	8870	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	4819	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	10849	0.41	ng/ul	0.00

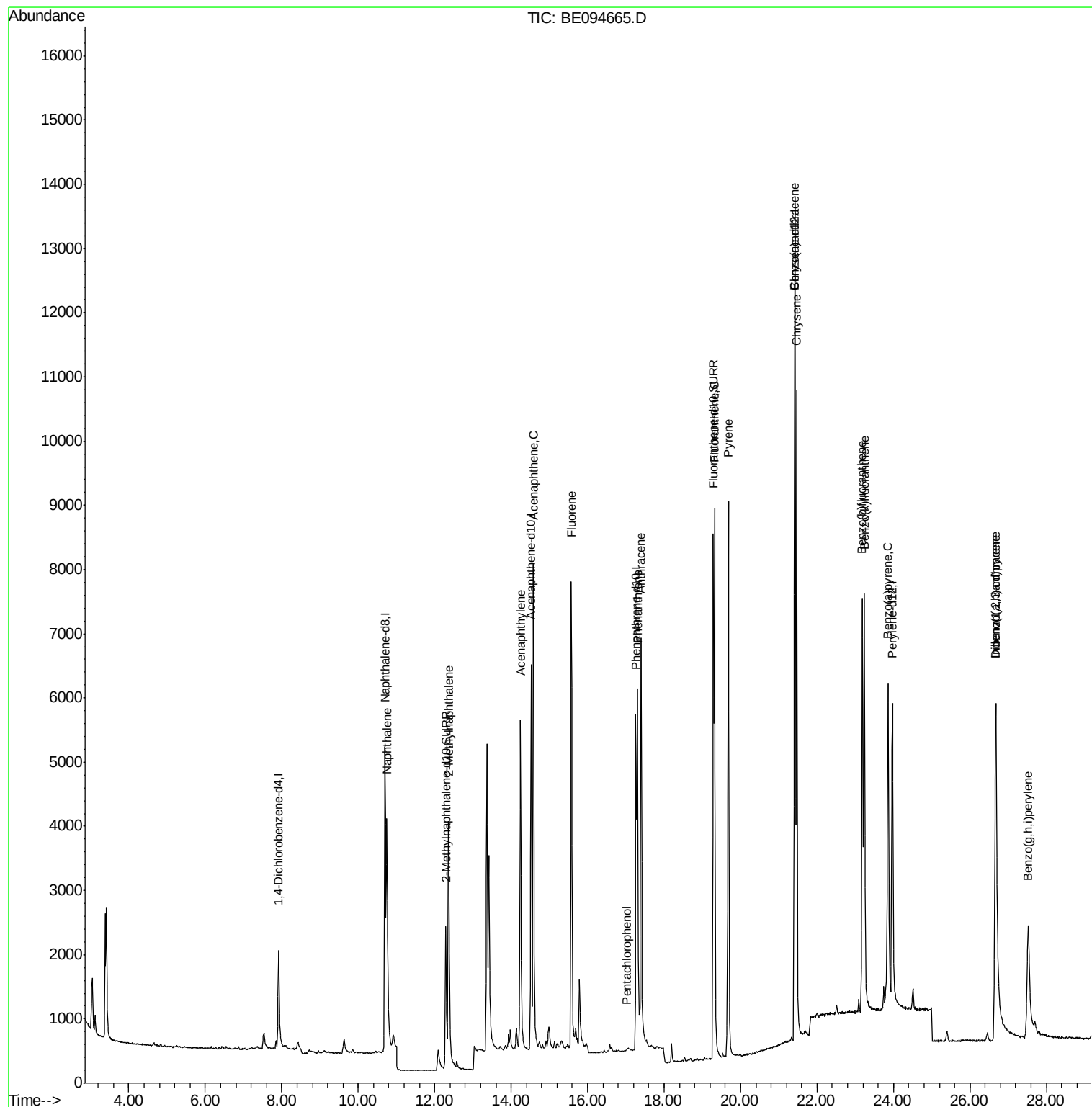
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	7205	0.39	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	4991	0.39	ng/ul	99
7) Acenaphthylene	14.24	152	7494	0.40	ng/ul	97
8) Acenaphthene	14.58	153	5357	0.39	ng/ul	97
9) Fluorene	15.58	166	5923	0.39	ng/ul	94
11) Pentachlorophenol	17.03	266	116	0.26	ng/ul#	84
12) Phenanthrene	17.31	178	9329	0.40	ng/ul#	94
13) Anthracene	17.40	178	9220	0.40	ng/ul#	92
15) Fluoranthene	19.32	202	10941	0.40	ng/ul	85
17) Pyrene	19.68	202	11768	0.41	ng/ul#	81
18) Benzo(a)anthracene	21.41	228	10834	0.41	ng/ul#	87
19) Chrysene	21.47	228	10938	0.40	ng/ul	98
21) Benzo(b)fluoranthene	23.19	252	9653	0.39	ng/ul	91
22) Benzo(k)fluoranthene	23.24	252	10993	0.41	ng/ul	92
23) Benzo(a)pyrene	23.86	252	9914	0.40	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.68	276	8731	0.34	ng/ul#	84
25) Dibenzo(a,h)anthracene	26.67	278	7716	0.35	ng/ul	94
26) Benzo(g,h,i)perylene	27.53	276	6323	0.31	ng/ul	93

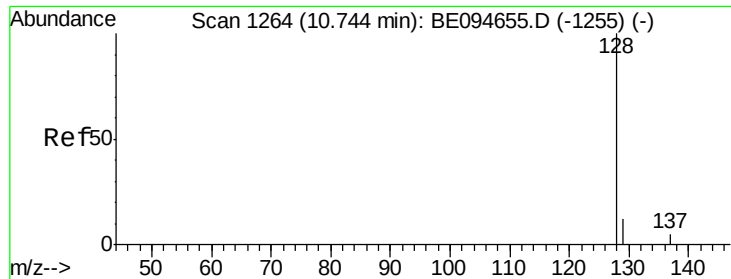
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. 0.01 min

Lab File: BE094665.D

Acq: 31 Oct 2017 19:29

Instrument :

BNA_E

ClientSampleId :

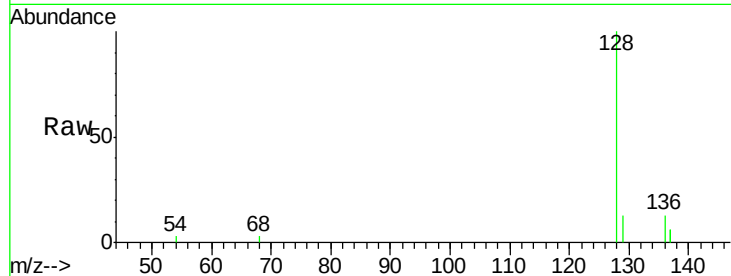
Tot Ion:128 Resp: 7205

Ion Ratio Lower Upper

128 100

129 12.6 11.3 16.9

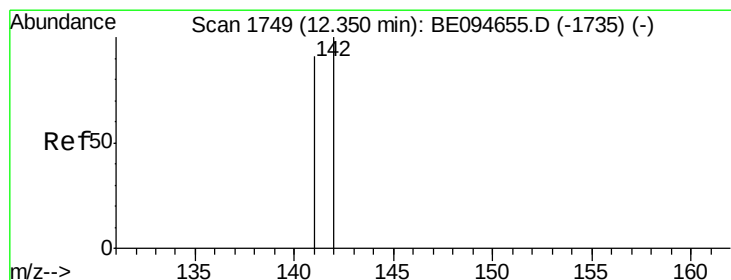
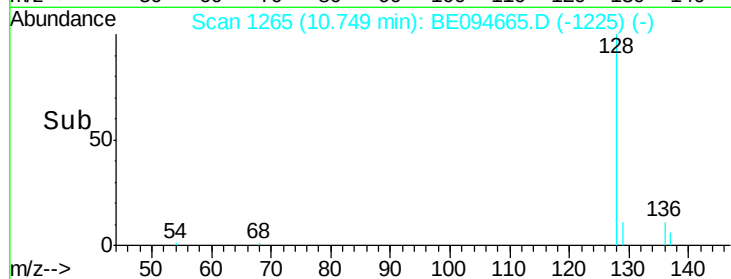
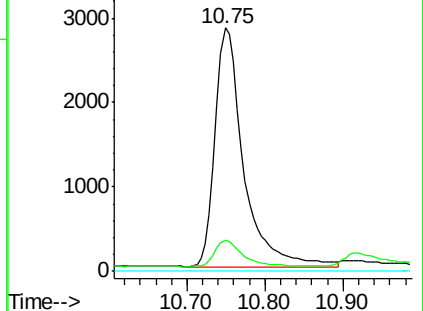
127 0.0 4.0 6.0#



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: 0.39 ng/ul

RT: 12.36 min Scan# 1752

Delta R.T. 0.01 min

Lab File: BE094665.D

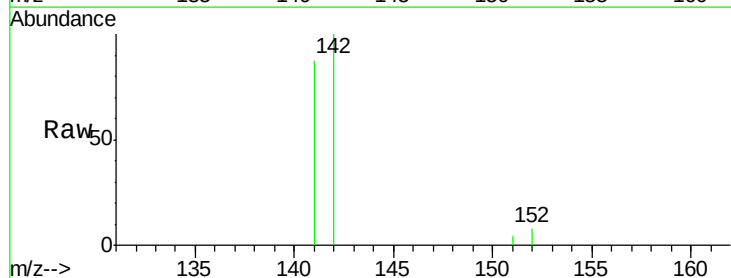
Acq: 31 Oct 2017 19:29

Tgt Ion:142 Resp: 4991

Ion Ratio Lower Upper

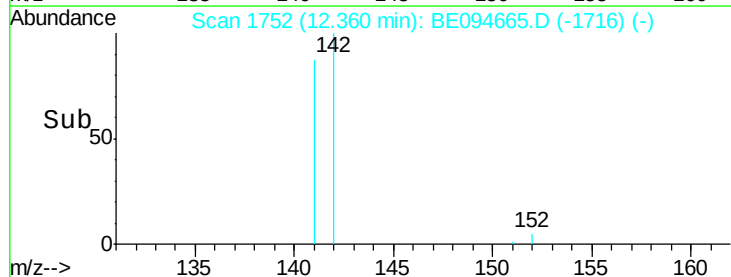
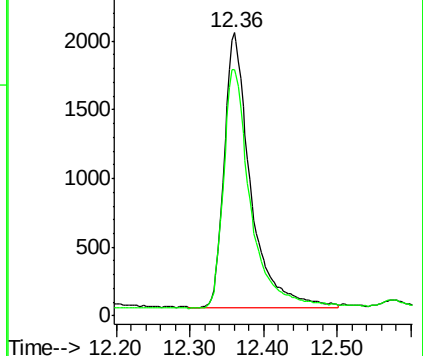
142 100

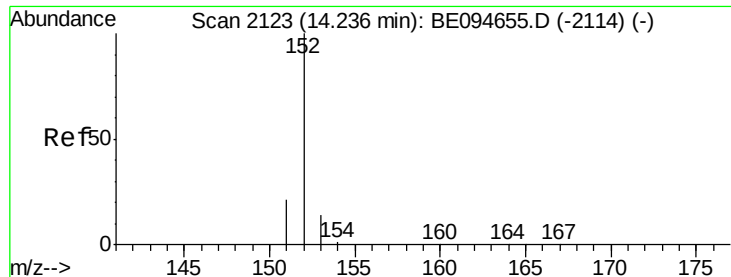
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BE094665.D

Acq: 31 Oct 2017 19:29

Instrument :

BNA_E

ClientSampleId :

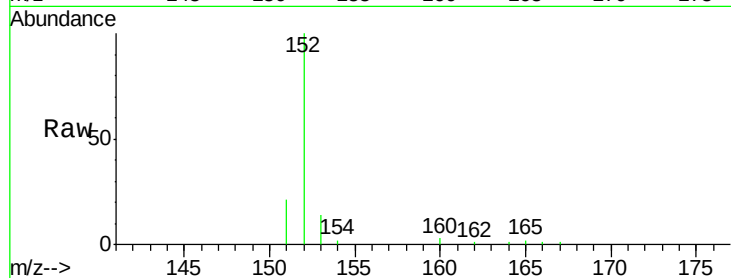
Tot Ion:152 Resp: 7494

Ion Ratio Lower Upper

152 100

151 20.9 17.1 25.7

153 14.0 12.8 19.2



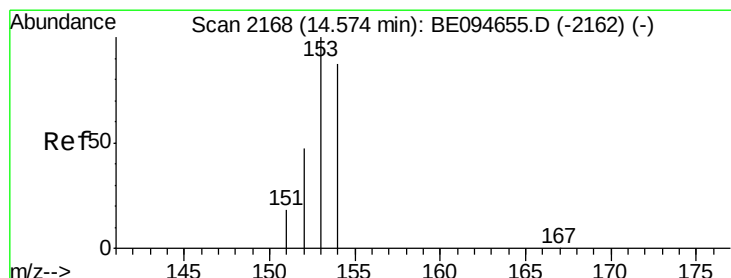
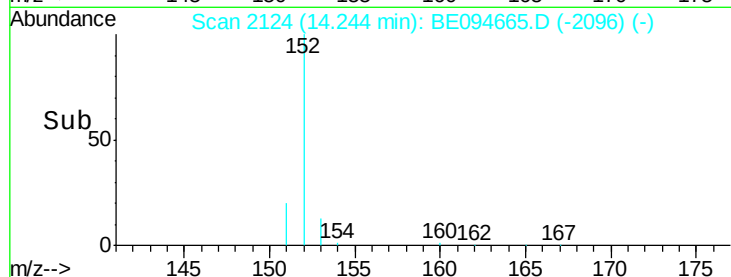
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.24

Time-->



#8

Acenaphthene

Concen: 0.39 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. 0.01 min

Lab File: BE094665.D

Acq: 31 Oct 2017 19:29

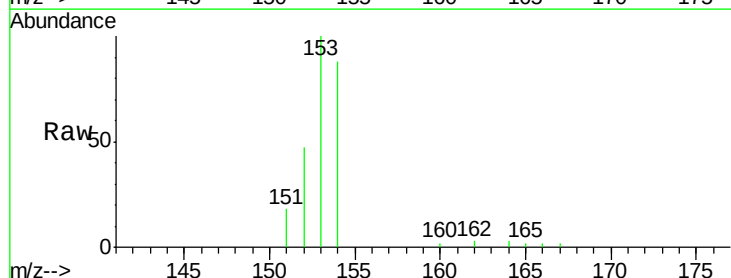
Tgt Ion:153 Resp: 5357

Ion Ratio Lower Upper

153 100

152 47.0 36.0 54.0

154 87.5 72.0 108.0



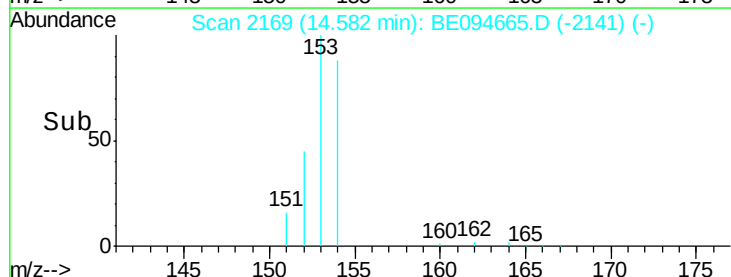
Abundance Ion 153.00 (152.70 to 153.70): E

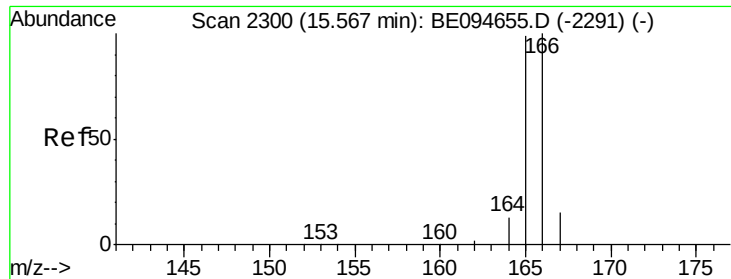
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

14.58

Time-->

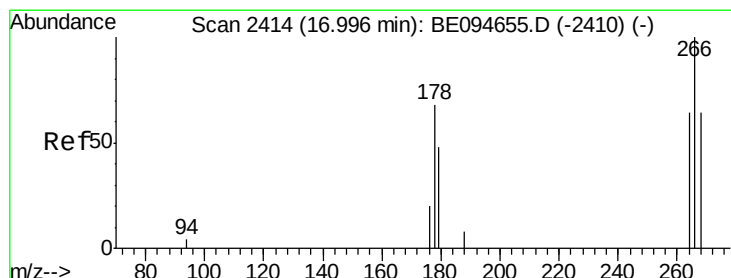
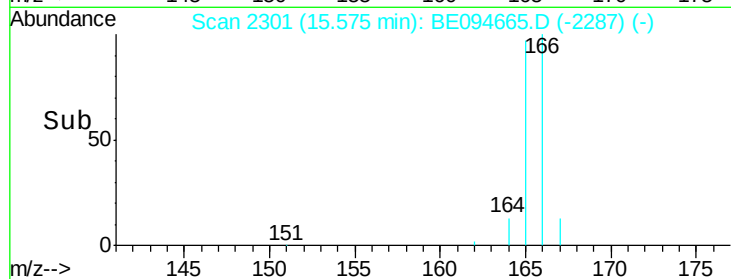
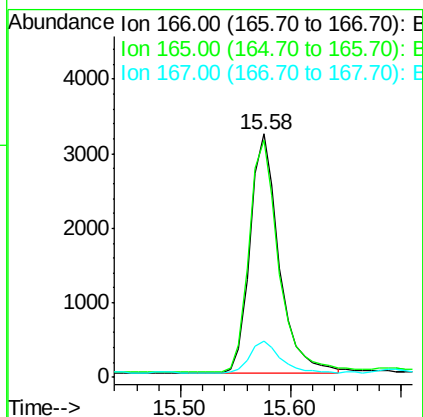
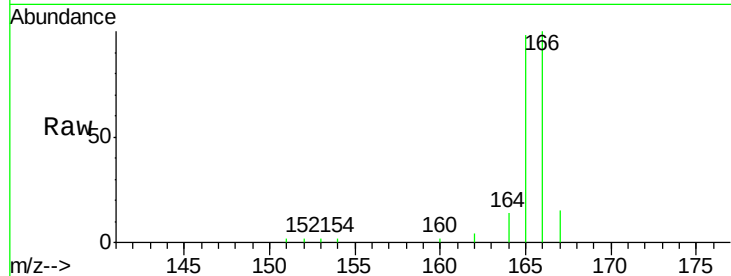




#9
Fluorene
 Concen: 0.39 ng/ul
 RT: 15.58 min Scan# 2301
 Delta R.T. 0.01 min
 Lab File: BE094665.D
 Acq: 31 Oct 2017 19:29

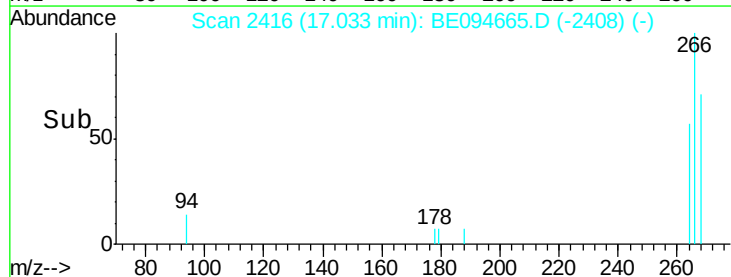
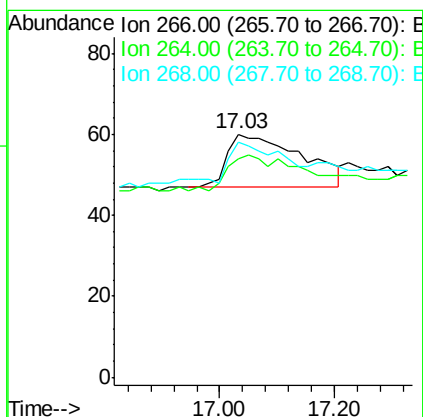
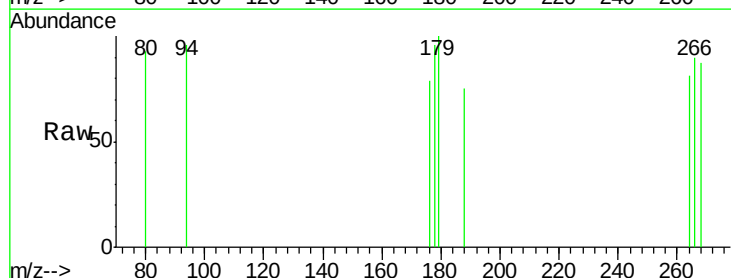
Instrument :
 BNA_E
 ClientSampleId :

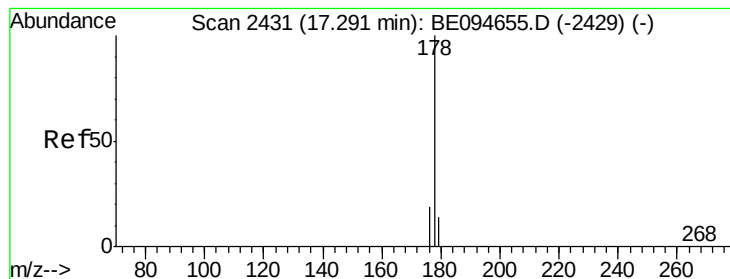
Tot Ion:166 Resp: 5923
 Ion Ratio Lower Upper
 166 100
 165 97.6 73.4 110.2
 167 15.1 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.26 ng/ul
 RT: 17.03 min Scan# 2416
 Delta R.T. 0.04 min
 Lab File: BE094665.D
 Acq: 31 Oct 2017 19:29

Tgt Ion:266 Resp: 116
 Ion Ratio Lower Upper
 266 100
 264 69.0 47.9 71.9
 268 46.6 49.8 74.8#





#12

Phenanthrene

Concen: 0.40 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. 0.02 min

Lab File: BE094665.D

Acq: 31 Oct 2017 19:29

Instrument :

BNA_E

ClientSampleId :

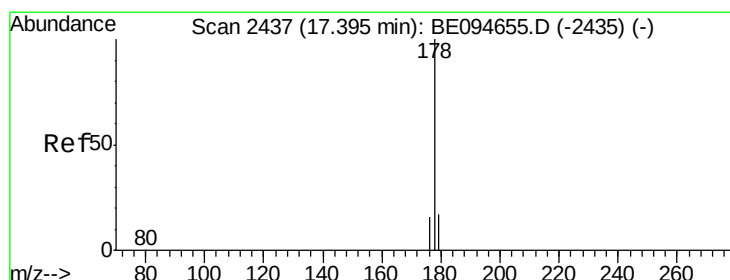
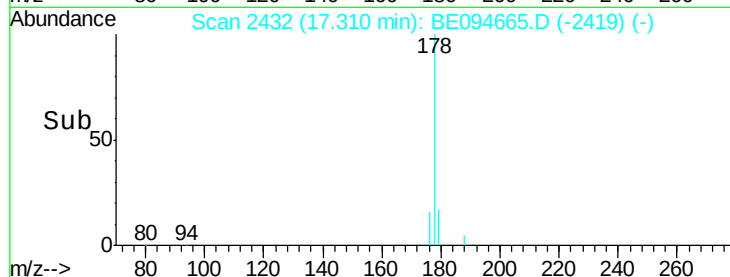
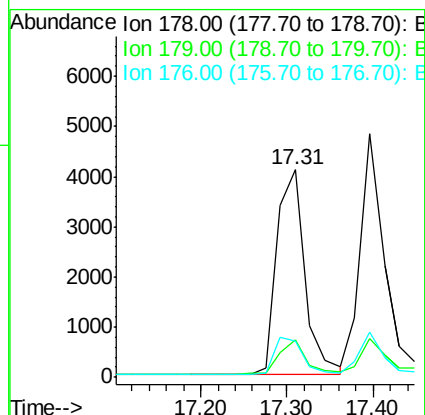
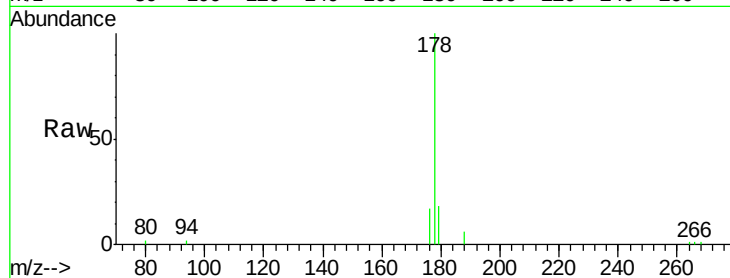
Tot Ion:178 Resp: 9329

Ion Ratio Lower Upper

178 100

179 18.0 18.4 27.6#

176 17.4 13.6 20.4



#13

Anthracene

Concen: 0.40 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BE094665.D

Acq: 31 Oct 2017 19:29

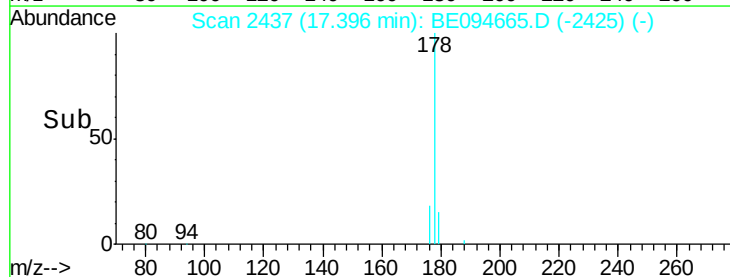
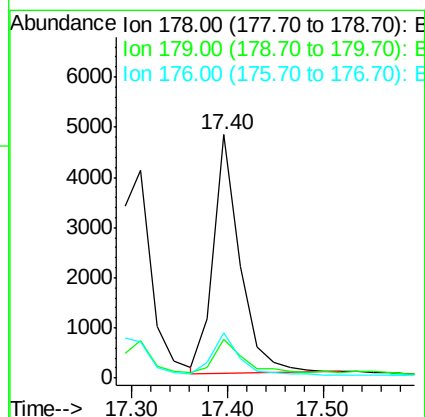
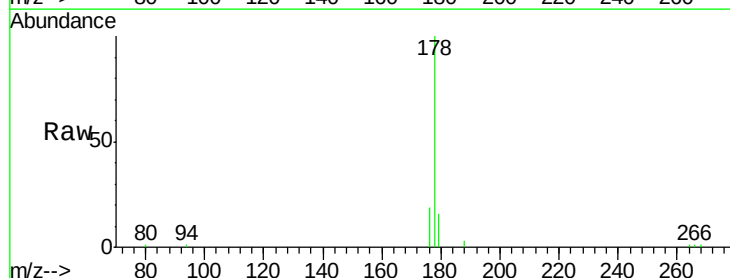
Tgt Ion:178 Resp: 9220

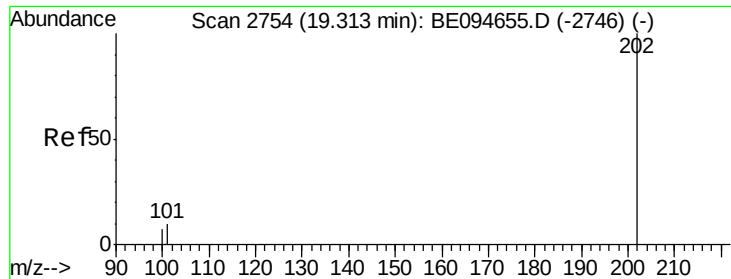
Ion Ratio Lower Upper

178 100

179 15.9 18.1 27.1#

176 18.5 14.7 22.1





#15

Fluoranthene

Concen: 0.40 ng/ul

RT: 19.32 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE094665.D

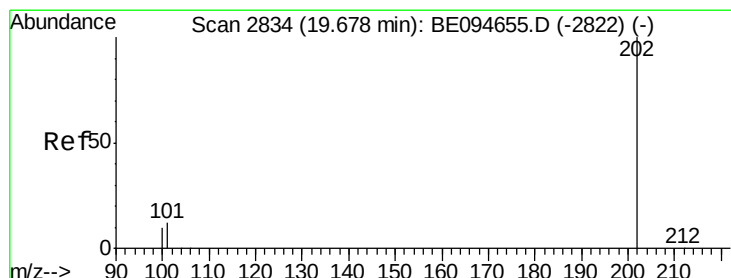
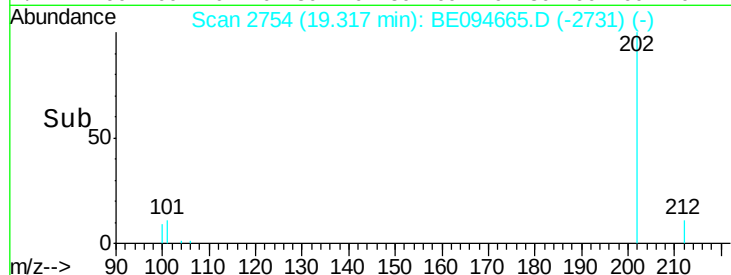
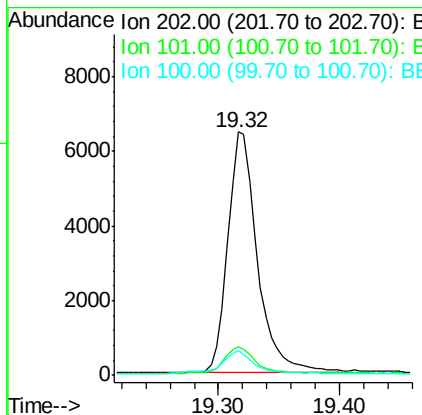
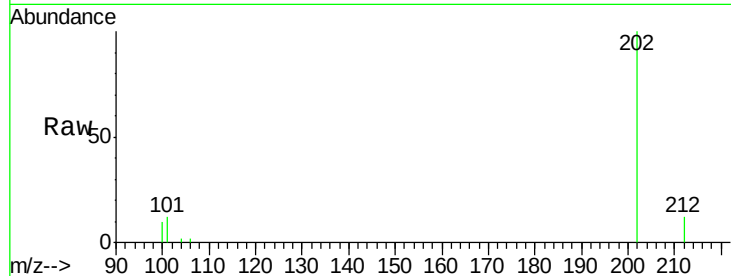
Acq: 31 Oct 2017 19:29

Instrument :

BNA_E

ClientSampled :

Tot Ion:	202	Resp:	10941
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	30.3
100	9.9	0.0	39.5



#17

Pyrene

Concen: 0.41 ng/ul

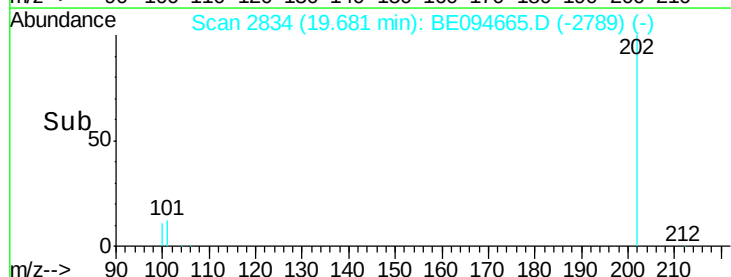
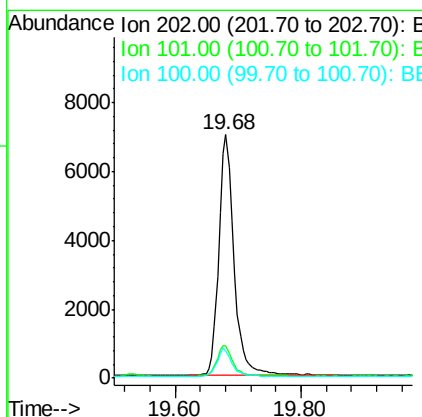
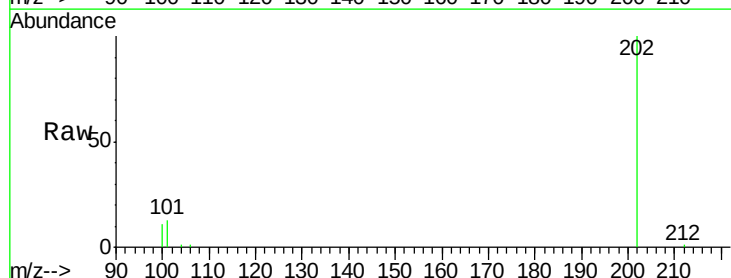
RT: 19.68 min Scan# 2834

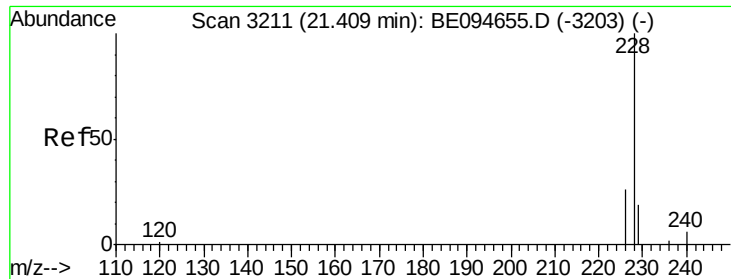
Delta R.T. 0.00 min

Lab File: BE094665.D

Acq: 31 Oct 2017 19:29

Tgt Ion:	202	Resp:	11768
Ion Ratio	Lower	Upper	
202	100		
101	13.2	18.2	27.4#
100	11.2	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.41 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: BE094665.D

Acq: 31 Oct 2017 19:29

Instrument :

BNA_E

ClientSampleId :

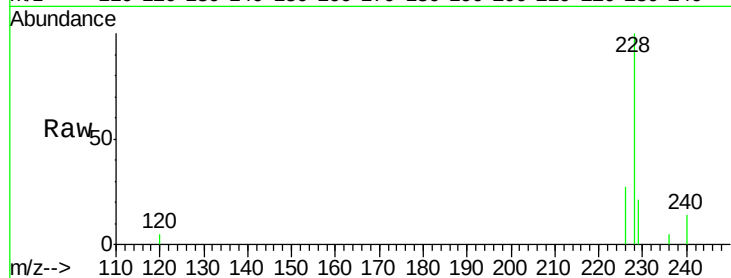
Tot Ion:228 Resp: 10834

Ion Ratio Lower Upper

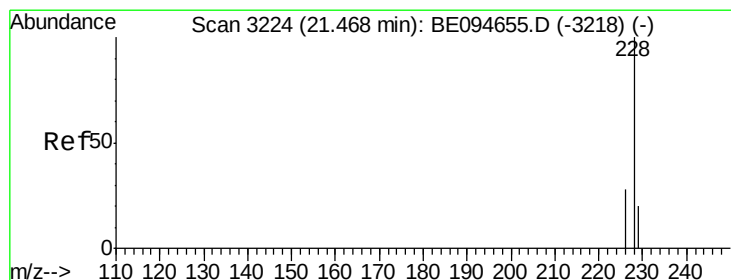
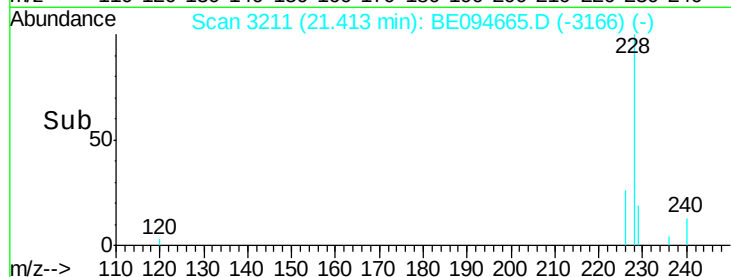
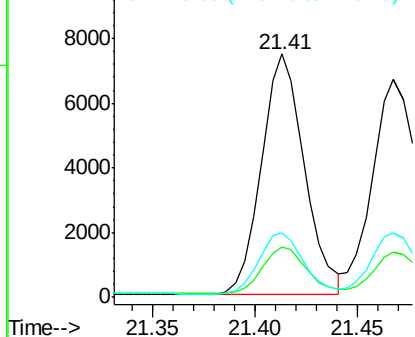
228 100

229 20.5 22.8 34.2#

226 26.6 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: 0.40 ng/ul

RT: 21.47 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BE094665.D

Acq: 31 Oct 2017 19:29

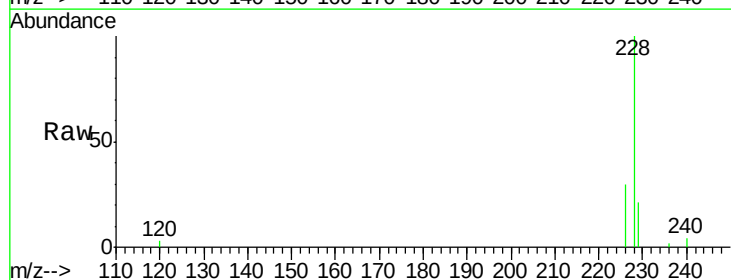
Tgt Ion:228 Resp: 10938

Ion Ratio Lower Upper

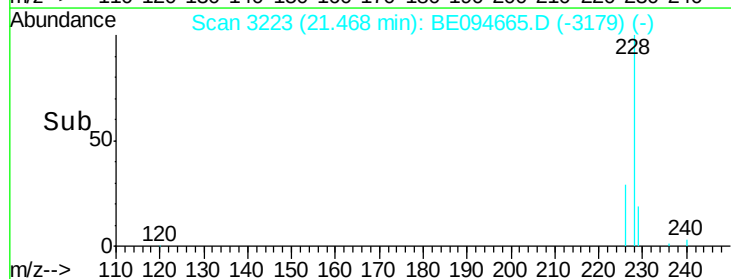
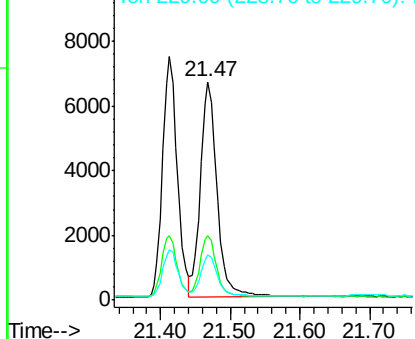
228 100

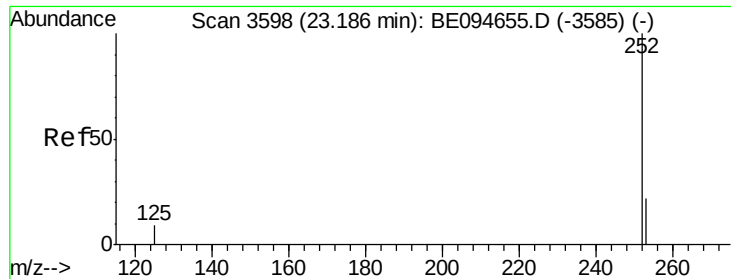
226 29.7 23.4 35.0

229 20.8 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: 0.39 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. -0.00 min

Lab File: BE094665.D

Acq: 31 Oct 2017 19:29

Instrument :

BNA_E

ClientSampleId :

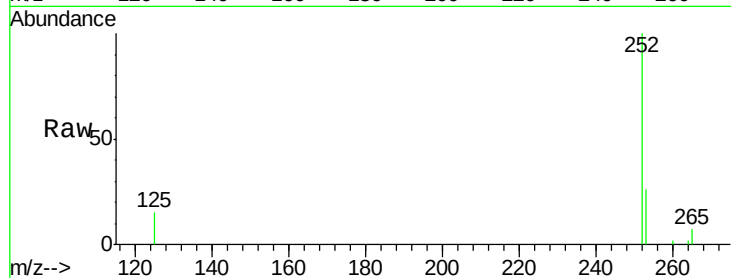
Tot Ion:252 Resp: 9653

Ion Ratio Lower Upper

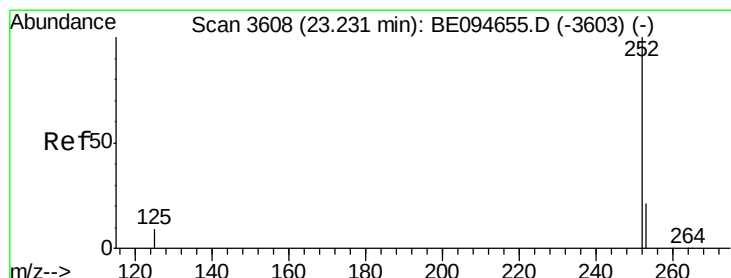
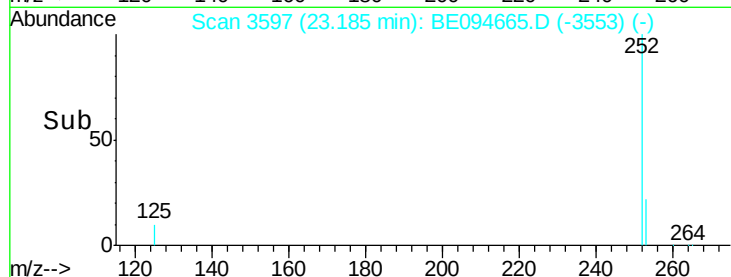
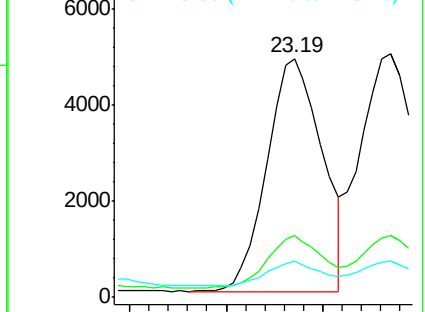
252 100

253 25.9 0.0 64.2

125 15.0 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: 0.41 ng/ul

RT: 23.24 min Scan# 3608

Delta R.T. 0.00 min

Lab File: BE094665.D

Acq: 31 Oct 2017 19:29

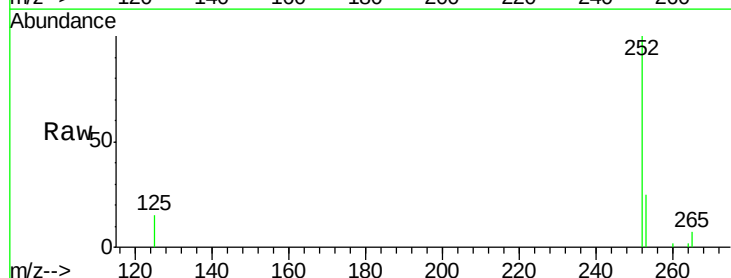
Tgt Ion:252 Resp: 10993

Ion Ratio Lower Upper

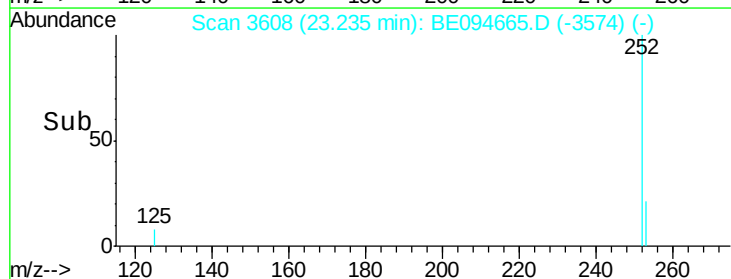
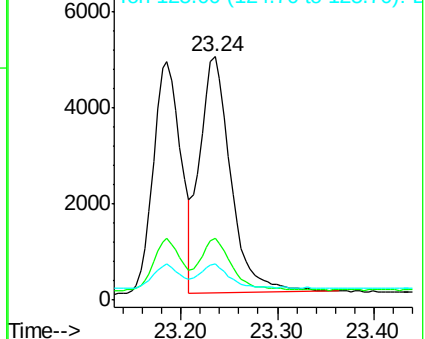
252 100

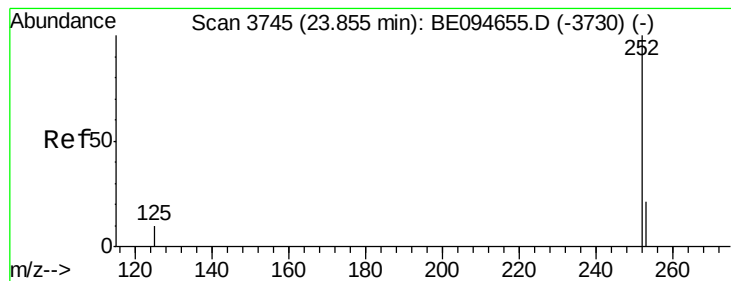
253 25.2 24.5 36.7

125 14.8 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: 0.40 ng/ul

RT: 23.86 min Scan# 3745

Delta R.T. 0.00 min

Lab File: BE094665.D

Acq: 31 Oct 2017 19:29

Instrument :

BNA_E

ClientSampleId :

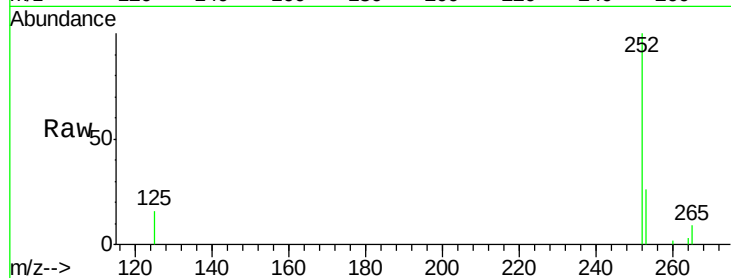
Tot Ion:252 Resp: 9914

Ion Ratio Lower Upper

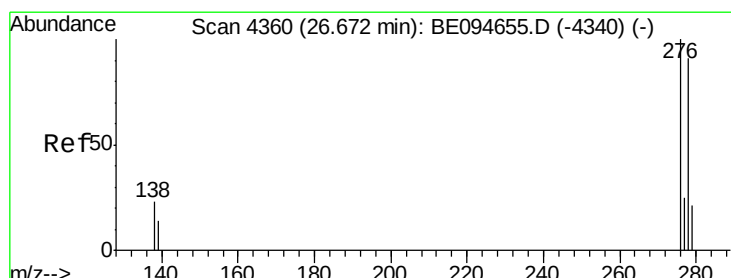
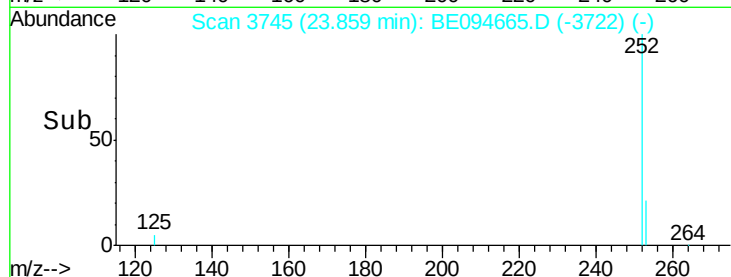
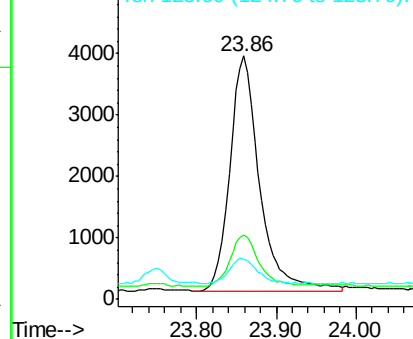
252 100

253 26.3 28.5 42.7#

125 16.5 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: 0.34 ng/ul

RT: 26.68 min Scan# 4360

Delta R.T. 0.01 min

Lab File: BE094665.D

Acq: 31 Oct 2017 19:29

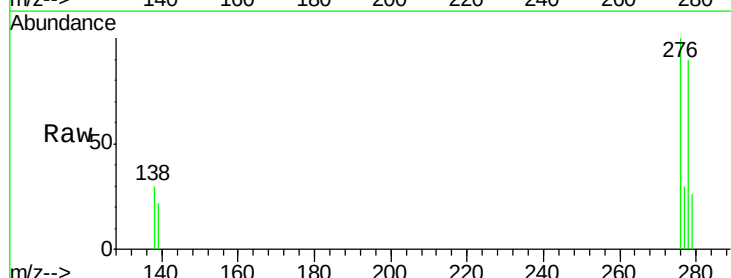
Tgt Ion:276 Resp: 8731

Ion Ratio Lower Upper

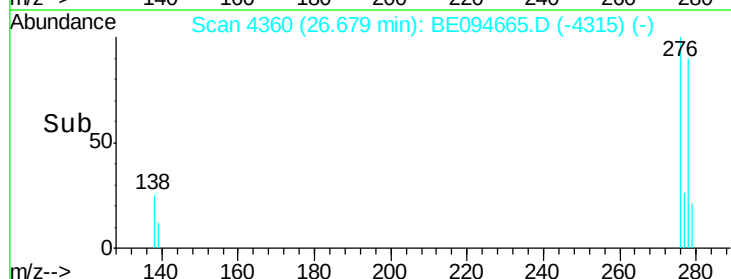
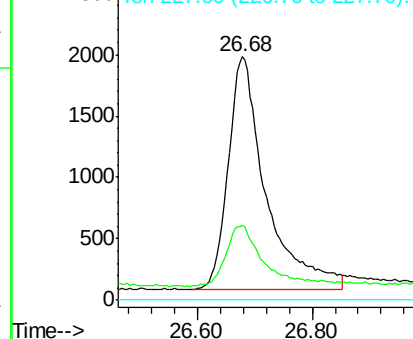
276 100

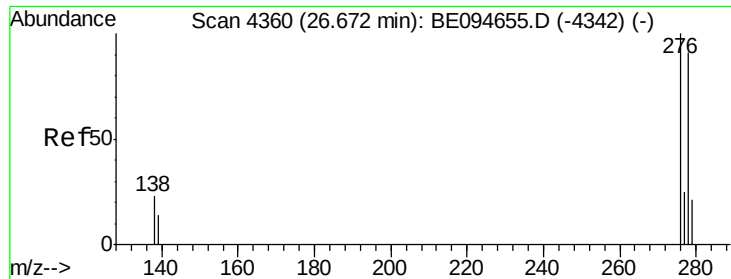
138 27.4 28.0 42.0#

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

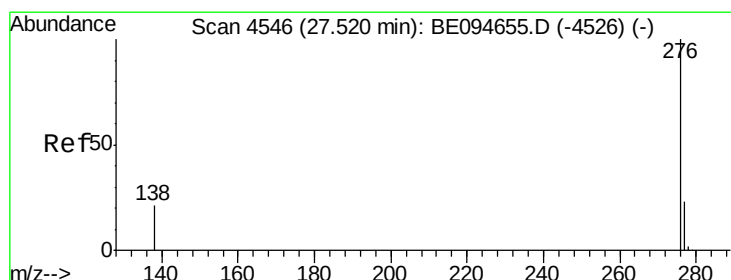
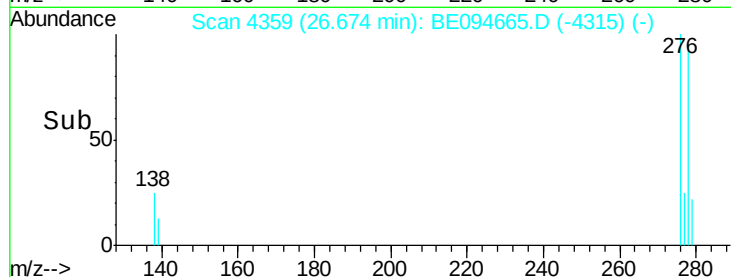
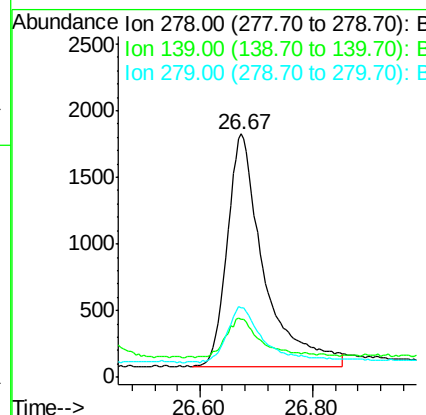
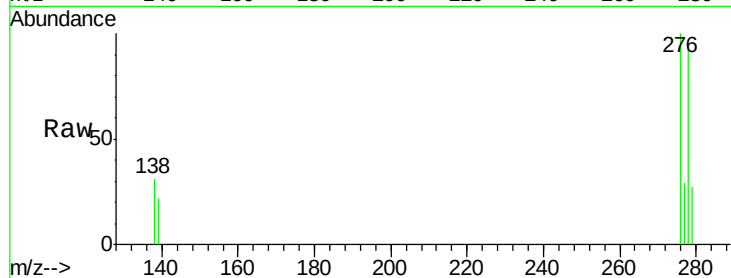




#25
Dibenzo(a,h)anthracene
Concen: 0.35 ng/ul
RT: 26.67 min Scan# 4359
Delta R.T. 0.00 min
Lab File: BE094665.D
Acq: 31 Oct 2017 19:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 7716
Ion Ratio Lower Upper
278 100
139 23.7 17.4 26.0
279 28.6 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.31 ng/ul
RT: 27.53 min Scan# 4546
Delta R.T. 0.01 min
Lab File: BE094665.D
Acq: 31 Oct 2017 19:29

Tgt Ion:276 Resp: 6323
Ion Ratio Lower Upper
276 100
138 29.5 21.8 32.8
277 30.6 20.5 30.7

