

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
 Data File : BE094409.D
 Acq On : 16 Oct 2017 00:55
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 16 07:55:13 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 07:45:00 2017
 Response via : Initial Calibration

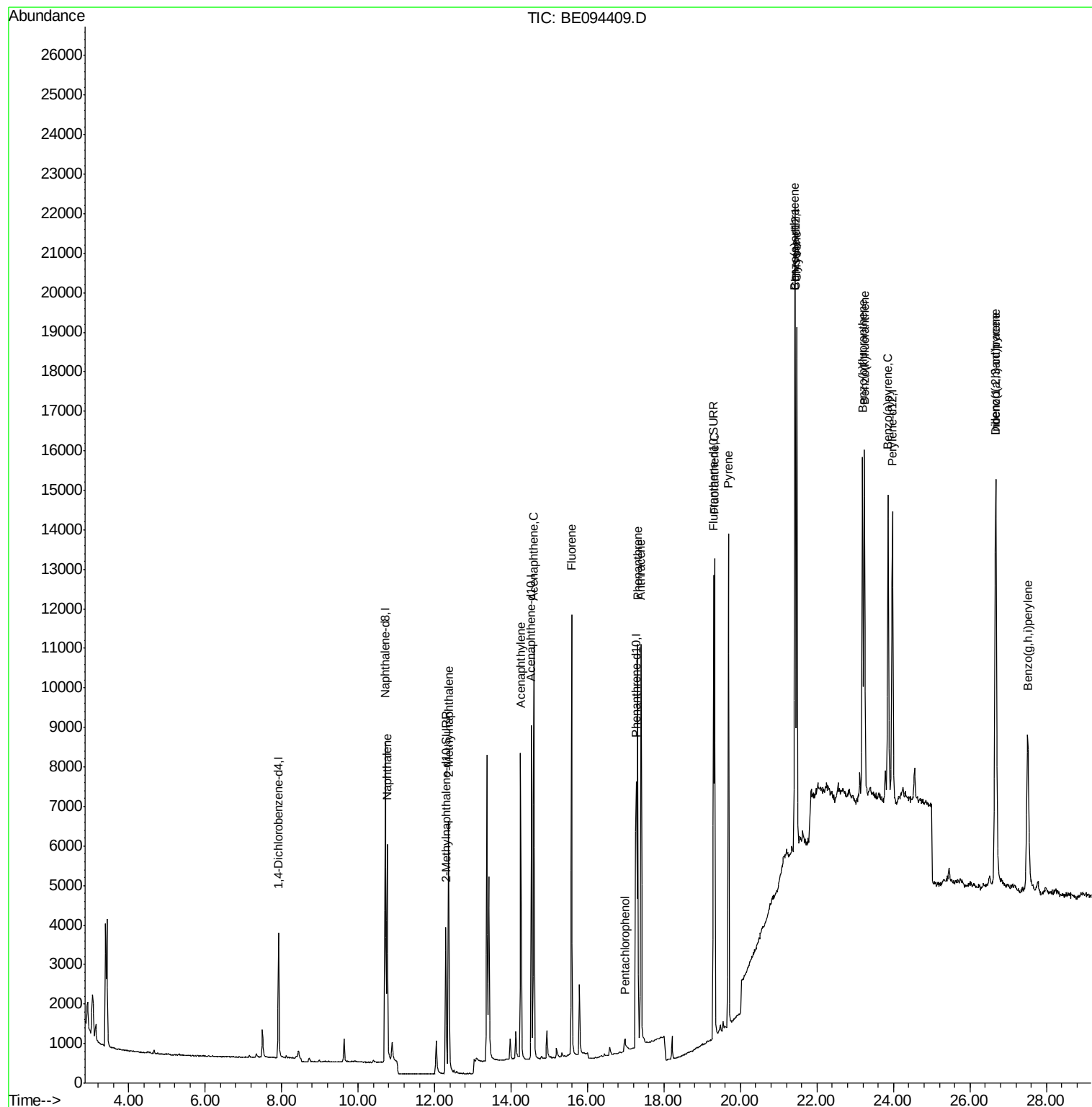
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1791	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	9446	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.53	164	5160	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	11276	0.40	ng/ul	0.02
16) Chrysene-d12	21.44	240	11015	0.40	ng/ul	0.01
20) Perylene-d12	23.97	264	10932	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	5850	0.40	ng/ul	0.01
14) Fluoranthene-d10	19.30	212	13701	0.36	ng/ul	0.01
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	9004	0.389	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	6262	0.417	ng/ul	98
7) Acenaphthylene	14.25	152	10193	0.507	ng/ul	97
8) Acenaphthene	14.59	153	6696	0.404	ng/ul	97
9) Fluorene	15.58	166	7707	0.397	ng/ul#	95
11) Pentachlorophenol	16.98	266	646	0.488	ng/ul	99
12) Phenanthrene	17.31	178	11840	0.402	ng/ul#	92
13) Anthracene	17.40	178	12494	0.436	ng/ul#	91
15) Fluoranthene	19.32	202	14150	0.365	ng/ul	85
17) Pyrene	19.69	202	15064	0.492	ng/ul#	81
18) Benzo(a)anthracene	21.42	228	13487	0.462	ng/ul#	85
19) Chrysene	21.47	228	12539	0.372	ng/ul#	82
21) Benzo(b)fluoranthene	23.19	252	12676	0.427	ng/ul#	77
22) Benzo(k)fluoranthene	23.24	252	12620	0.368	ng/ul#	76
23) Benzo(a)pyrene	23.86	252	12405	0.402	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.67	276	13268	0.420	ng/ul#	83
25) Dibenzo(a,h)anthracene	26.67	278	11616	0.439	ng/ul#	70
26) Benzo(g,h,i)perylene	27.52	276	10758	0.395	ng/ul#	70

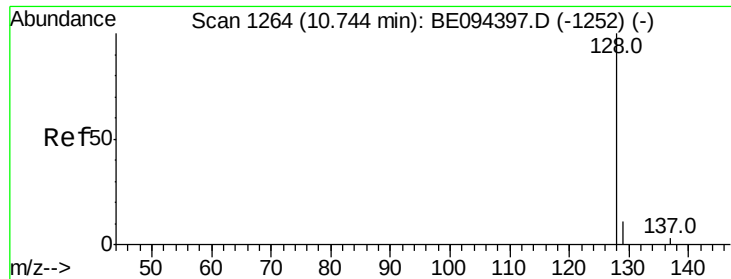
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.389 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BE094409.D

Acq: 16 Oct 2017 00:55

Instrument :

BNA_E

ClientSampleId :

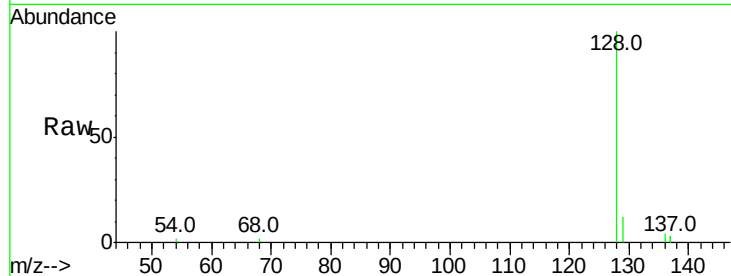
Tot Ion:128 Resp: 9004

Ion Ratio Lower Upper

128 100

129 11.9 11.3 16.9

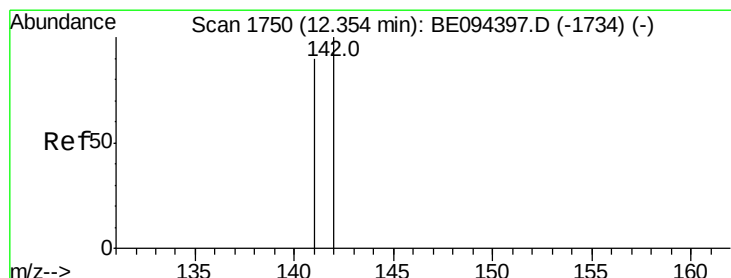
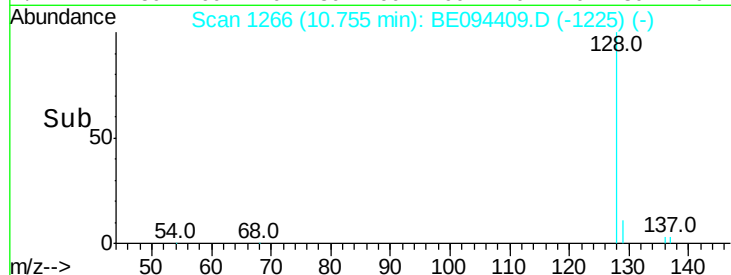
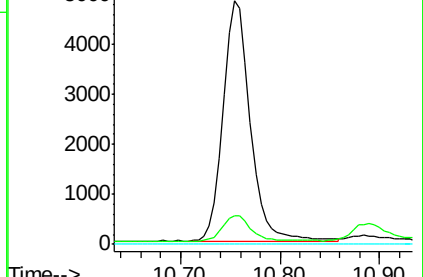
127 0.0 4.0 6.0#



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: 0.417 ng/ul

RT: 12.36 min Scan# 1754

Delta R.T. 0.01 min

Lab File: BE094409.D

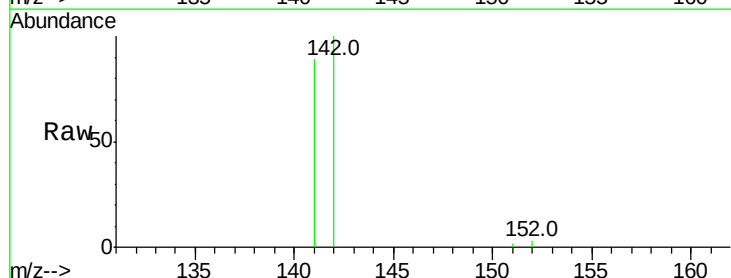
Acq: 16 Oct 2017 00:55

Tgt Ion:142 Resp: 6262

Ion Ratio Lower Upper

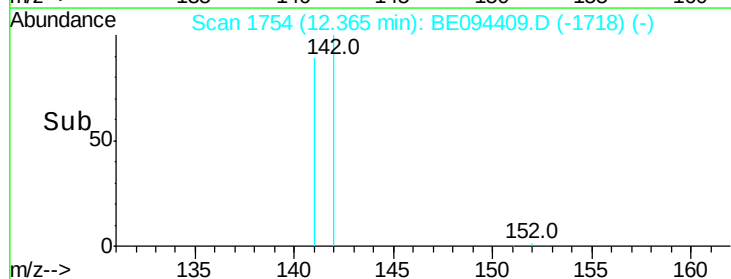
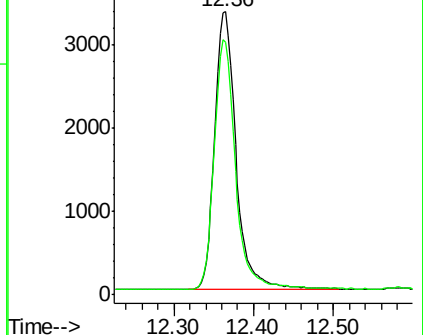
142 100

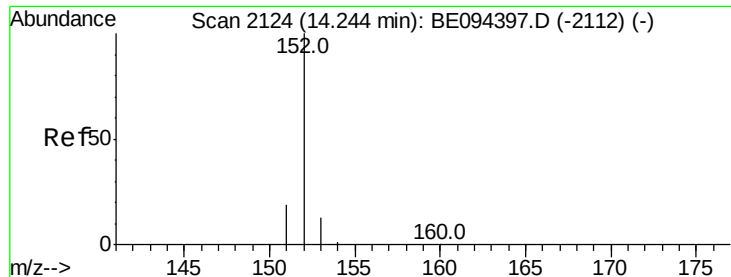
141 89.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.507 ng/ul

RT: 14.25 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BE094409.D

Acq: 16 Oct 2017 00:55

Instrument :

BNA_E

ClientSampleId :

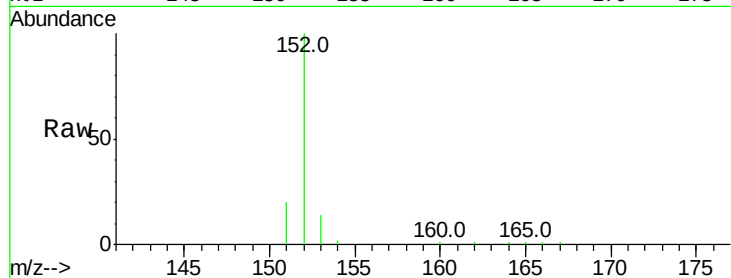
Tot Ion:152 Resp: 10193

Ion Ratio Lower Upper

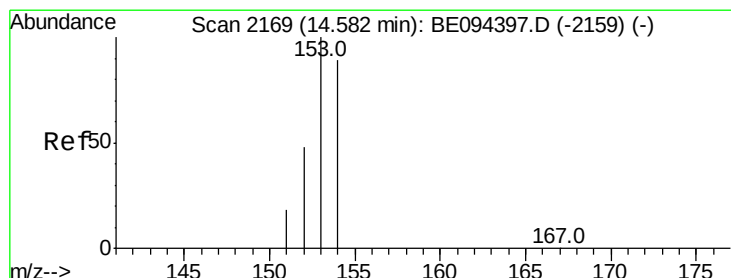
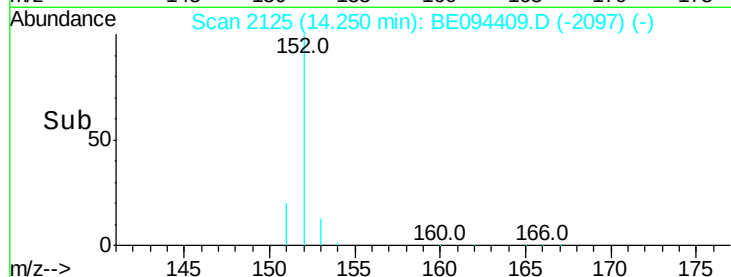
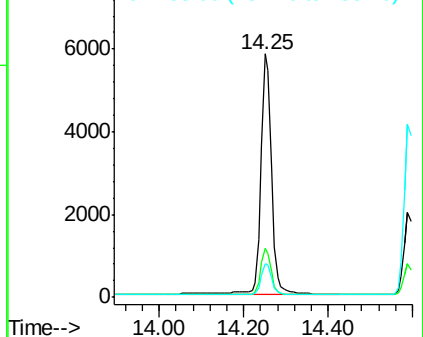
152 100

151 20.4 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



#8

Acenaphthene

Concen: 0.404 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. 0.01 min

Lab File: BE094409.D

Acq: 16 Oct 2017 00:55

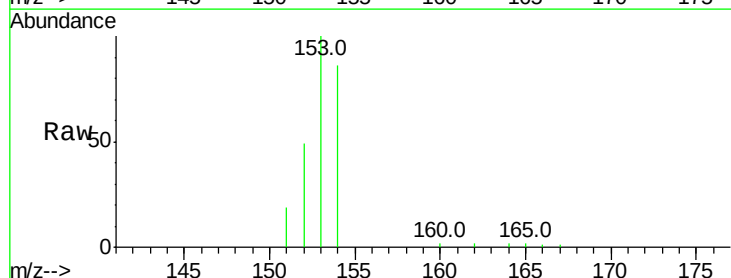
Tgt Ion:153 Resp: 6696

Ion Ratio Lower Upper

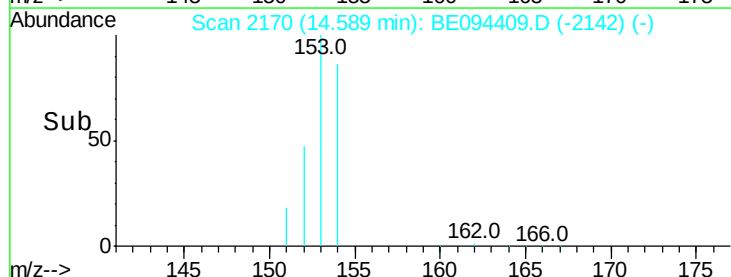
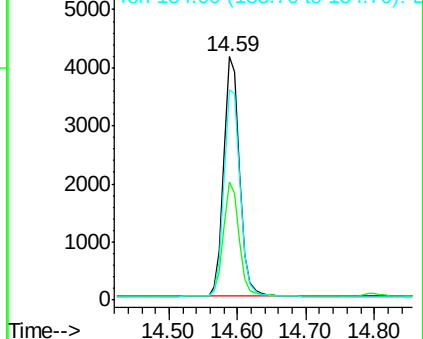
153 100

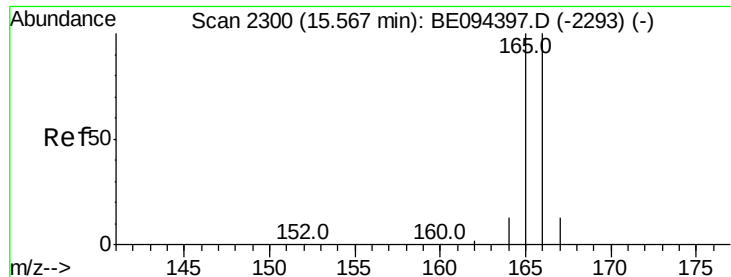
152 48.6 40.3 60.5

154 86.3 71.4 107.2



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: 0.397 ng/ul

RT: 15.58 min Scan# 2302

Delta R.T. 0.01 min

Lab File: BE094409.D

Acq: 16 Oct 2017 00:55

Instrument :

BNA_E

ClientSampleId :

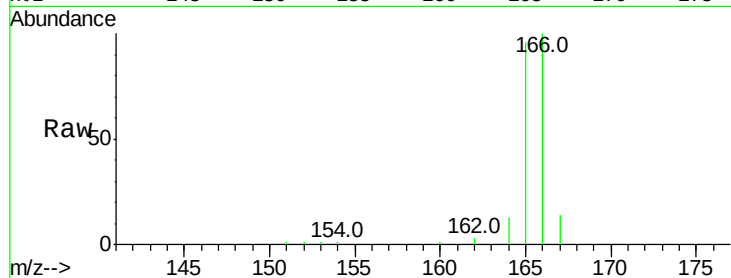
Tot Ion:166 Resp: 7707

Ion Ratio Lower Upper

166 100

165 95.8 73.4 110.2

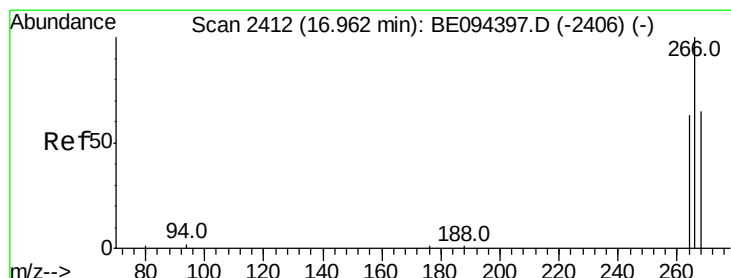
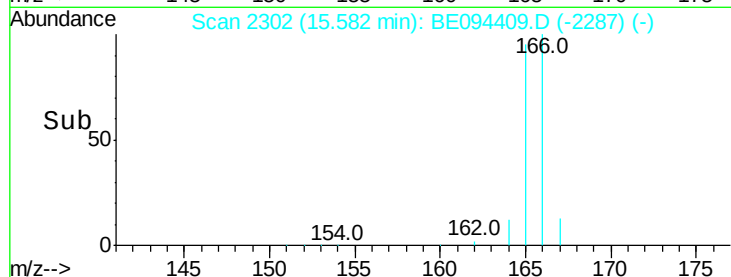
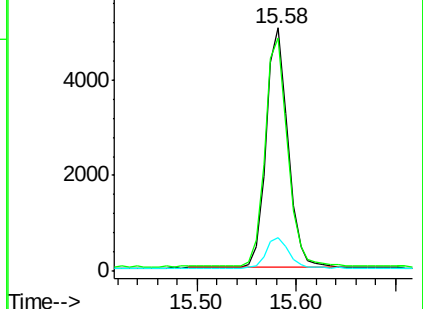
167 13.9 14.6 22.0#



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: 0.488 ng/ul

RT: 16.98 min Scan# 2413

Delta R.T. 0.02 min

Lab File: BE094409.D

Acq: 16 Oct 2017 00:55

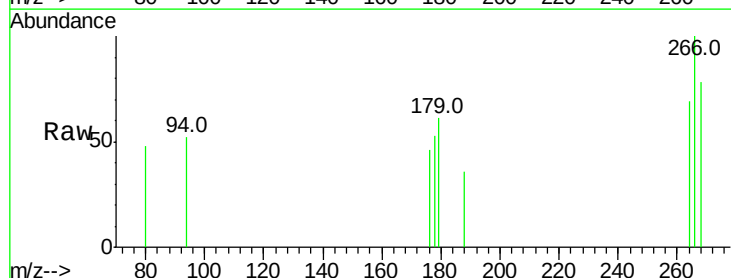
Tgt Ion:266 Resp: 646

Ion Ratio Lower Upper

266 100

264 60.8 47.9 71.9

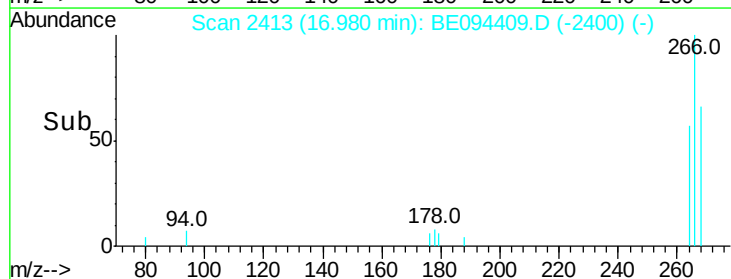
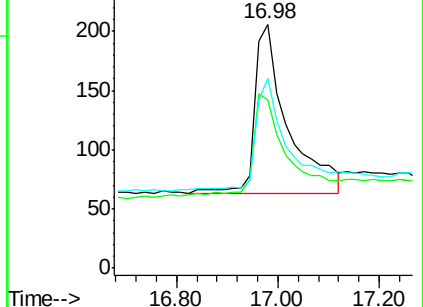
268 62.5 49.8 74.8

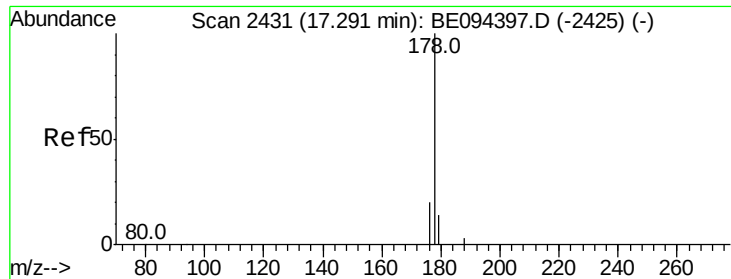


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.402 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. 0.02 min

Lab File: BE094409.D

Acq: 16 Oct 2017 00:55

Instrument :

BNA_E

ClientSampleId :

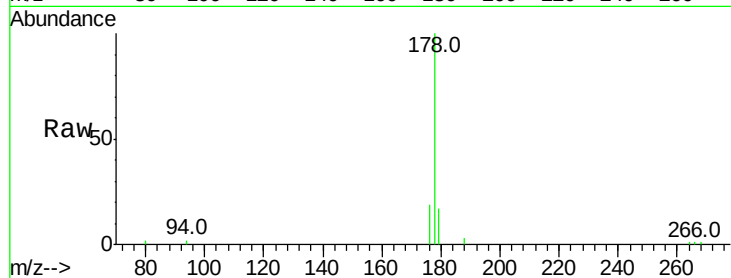
Tot Ion:178 Resp: 11840

Ion Ratio Lower Upper

178 100

179 17.4 18.4 27.6#

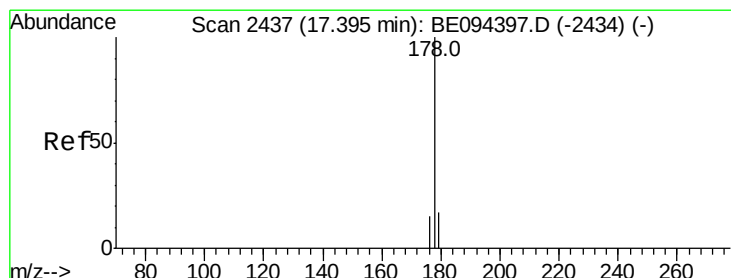
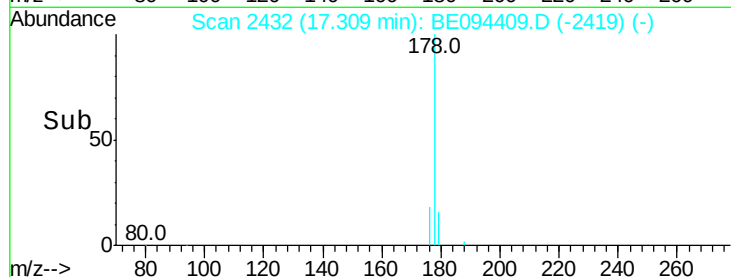
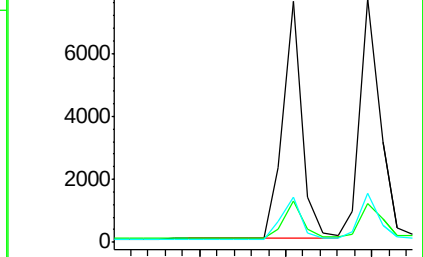
176 18.8 13.6 20.4



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: 0.436 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BE094409.D

Acq: 16 Oct 2017 00:55

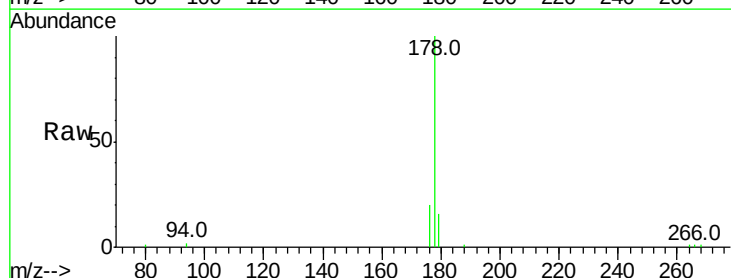
Tgt Ion:178 Resp: 12494

Ion Ratio Lower Upper

178 100

179 15.9 18.1 27.1#

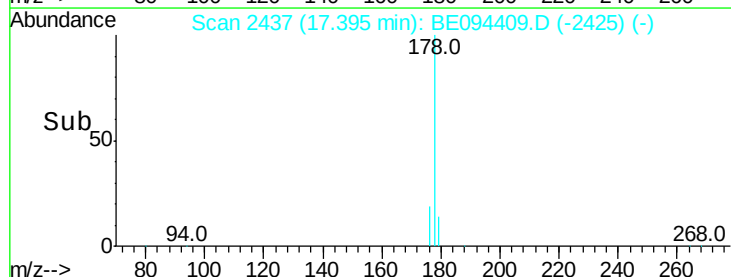
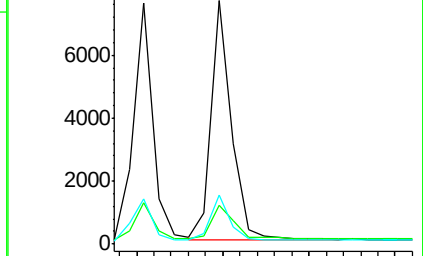
176 20.2 14.7 22.1

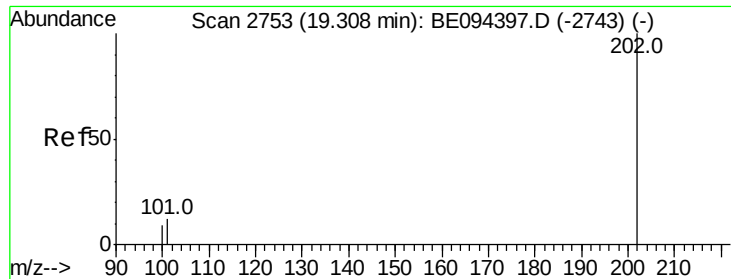


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

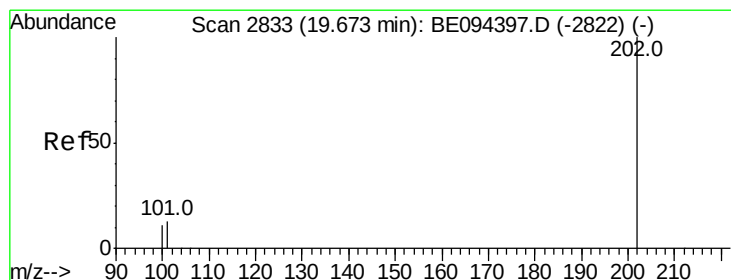
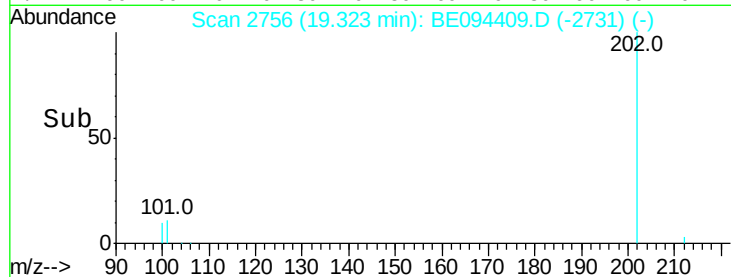
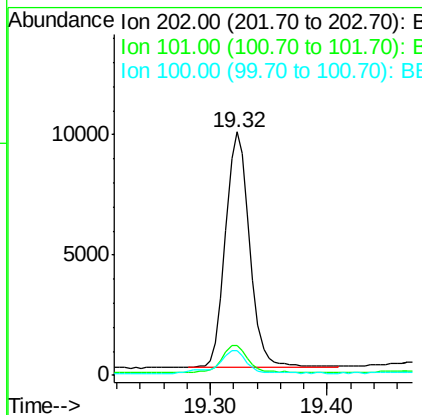
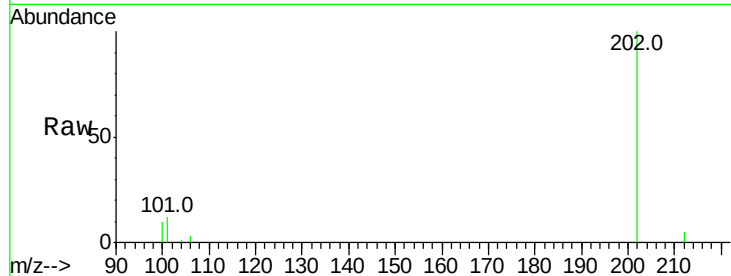




#15
Fluoranthene
Concen: 0.365 ng/ul
RT: 19.32 min Scan# 2756
Delta R.T. 0.01 min
Lab File: BE094409.D
Acq: 16 Oct 2017 00:55

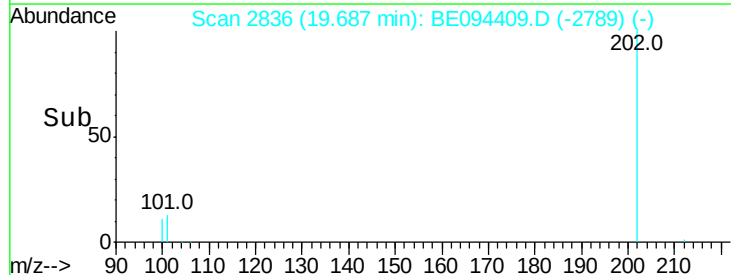
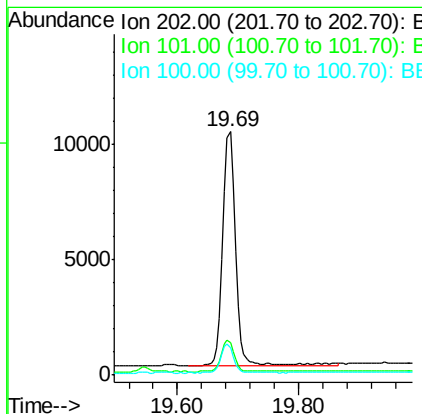
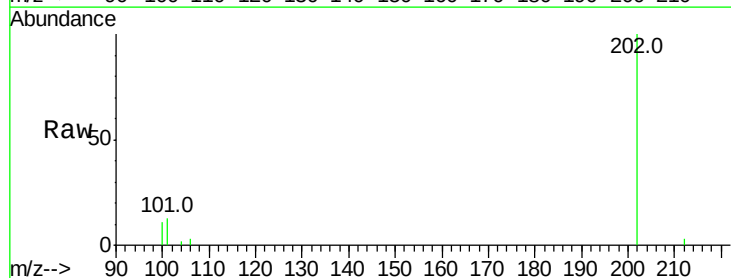
Instrument :
BNA_E
ClientSampleId :

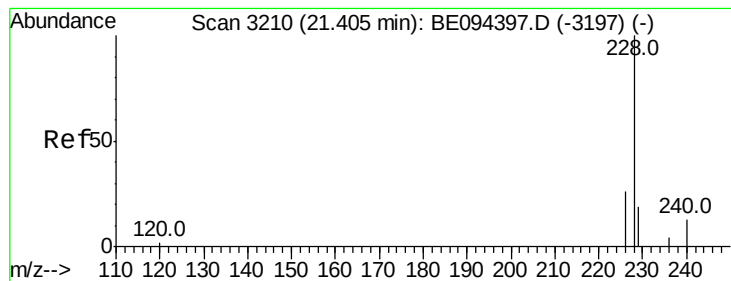
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	30.3
100	10.1	0.0	39.5



#17
Pyrene
Concen: 0.492 ng/ul
RT: 19.69 min Scan# 2836
Delta R.T. 0.01 min
Lab File: BE094409.D
Acq: 16 Oct 2017 00:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	18.2	27.4#
100	11.1	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.462 ng/ul

RT: 21.42 min Scan# 3212

Delta R.T. 0.01 min

Lab File: BE094409.D

Acq: 16 Oct 2017 00:55

Instrument :

BNA_E

ClientSampleId :

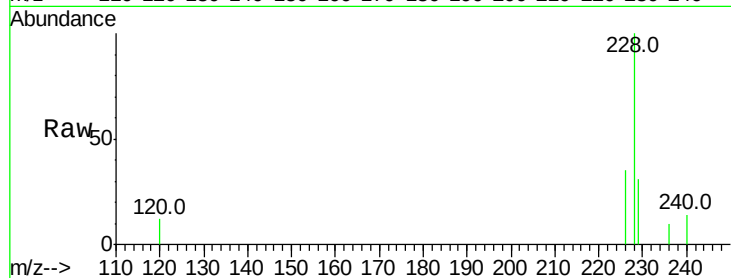
Tot Ion:228 Resp: 13487

Ion Ratio Lower Upper

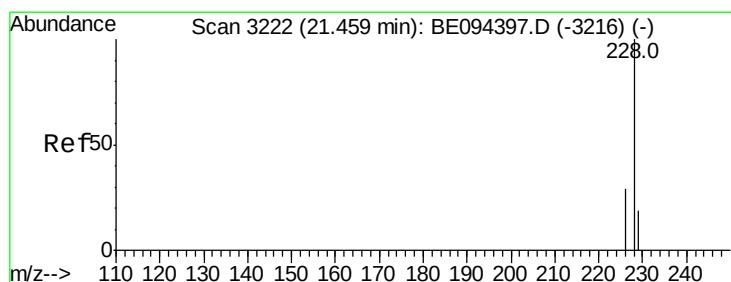
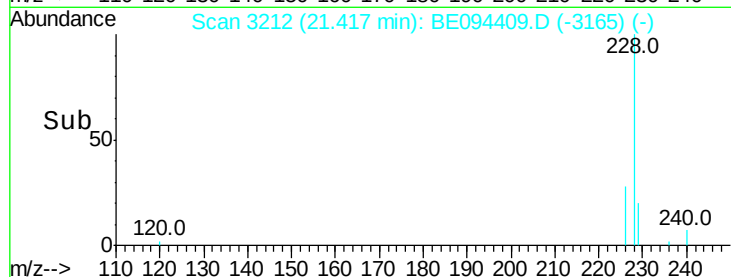
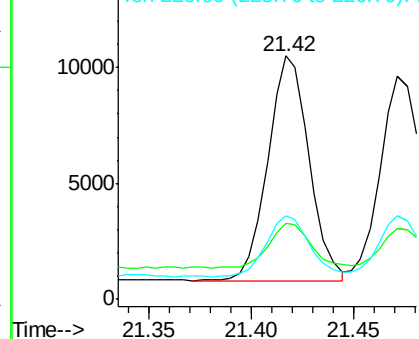
228 100

229 31.4 22.8 34.2

226 34.5 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: 0.372 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. 0.01 min

Lab File: BE094409.D

Acq: 16 Oct 2017 00:55

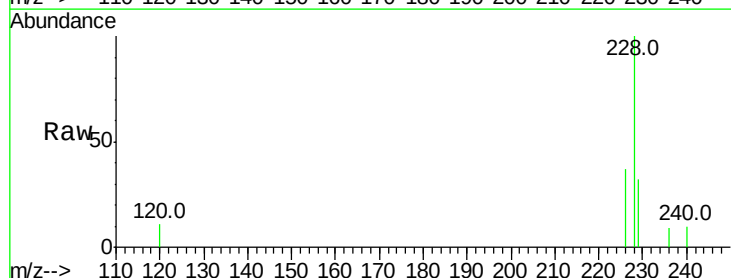
Tgt Ion:228 Resp: 12539

Ion Ratio Lower Upper

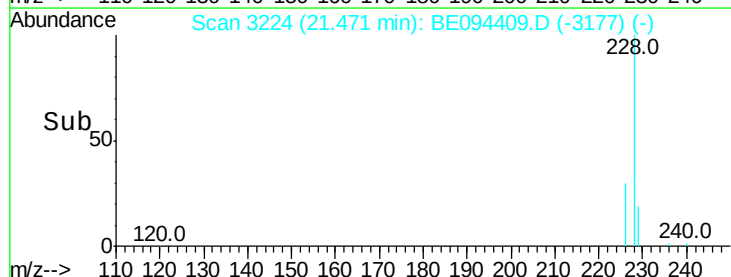
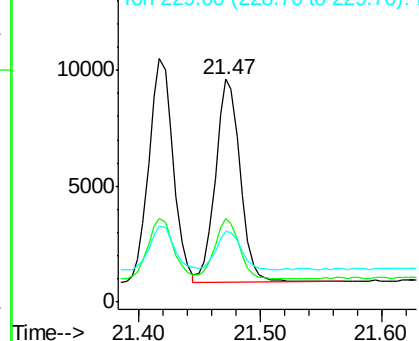
228 100

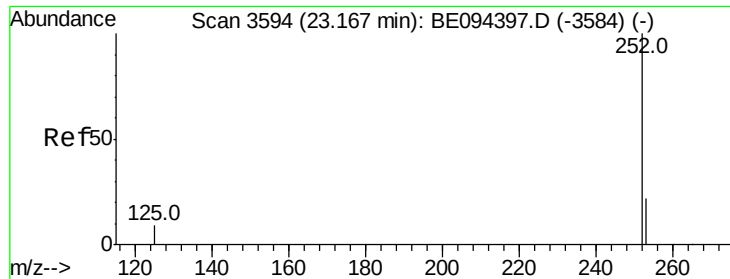
226 37.5 23.4 35.0#

229 31.8 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: 0.427 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. 0.02 min

Lab File: BE094409.D

Acq: 16 Oct 2017 00:55

Instrument :

BNA_E

ClientSampleId :

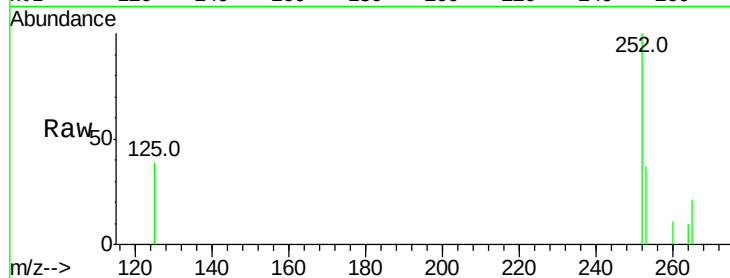
Tot Ion:252 Resp: 12676

Ion Ratio Lower Upper

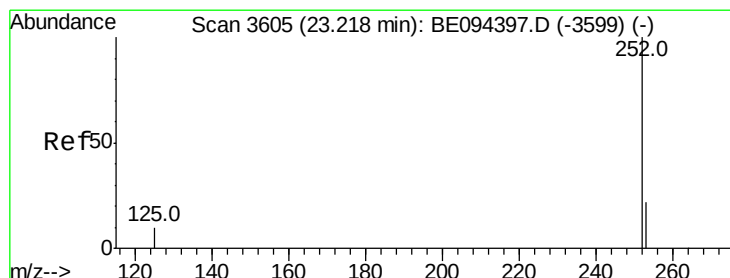
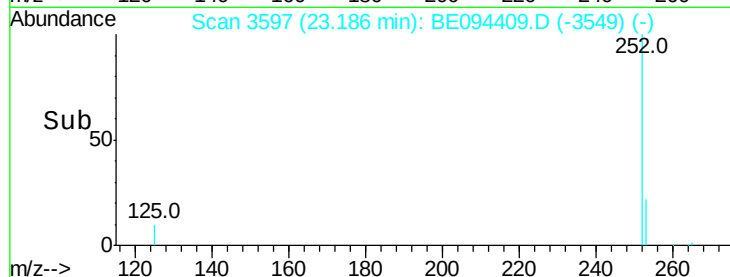
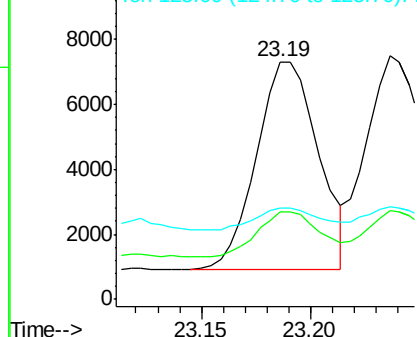
252 100

253 36.9 0.0 64.2

125 38.6 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: 0.368 ng/ul

RT: 23.24 min Scan# 3608

Delta R.T. 0.02 min

Lab File: BE094409.D

Acq: 16 Oct 2017 00:55

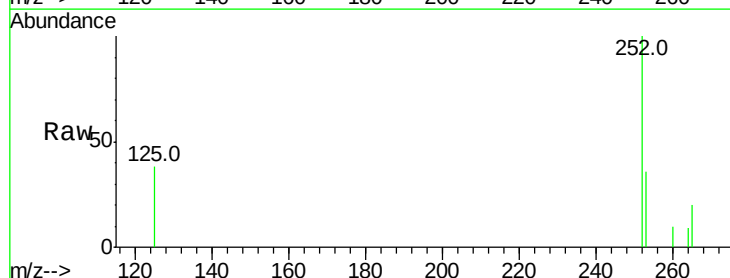
Tgt Ion:252 Resp: 12620

Ion Ratio Lower Upper

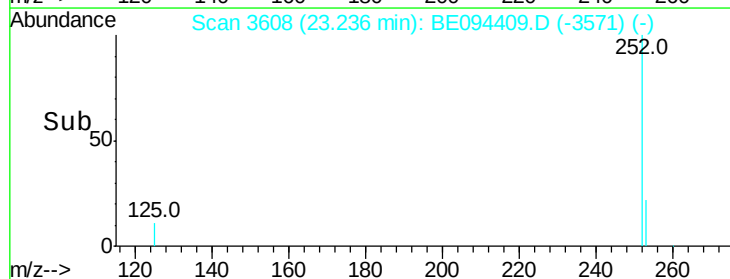
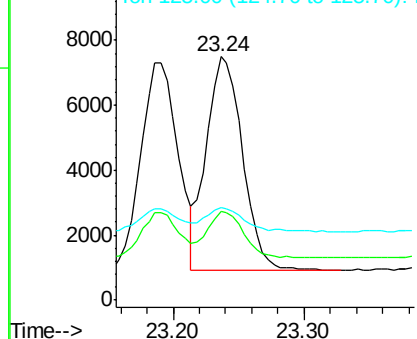
252 100

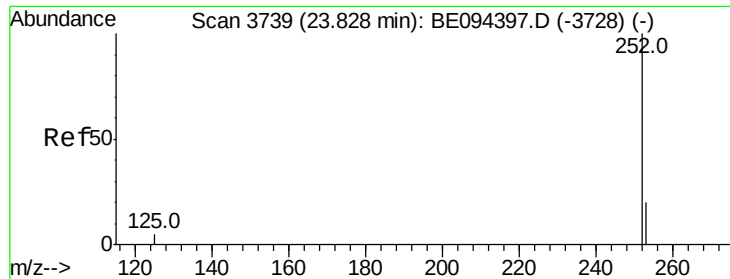
253 36.4 24.5 36.7

125 37.8 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: 0.402 ng/ul

RT: 23.86 min Scan# 3745

Delta R.T. 0.03 min

Lab File: BE094409.D

Acq: 16 Oct 2017 00:55

Instrument :

BNA_E

ClientSampleId :

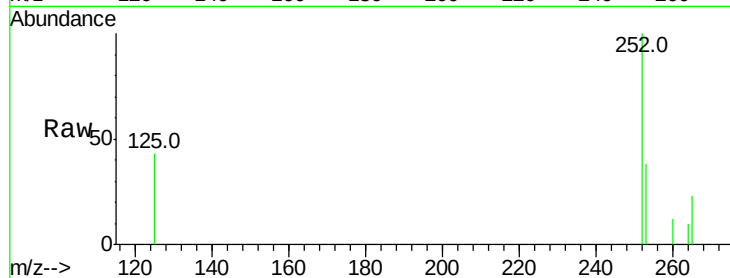
Tot Ion:252 Resp: 12405

Ion Ratio Lower Upper

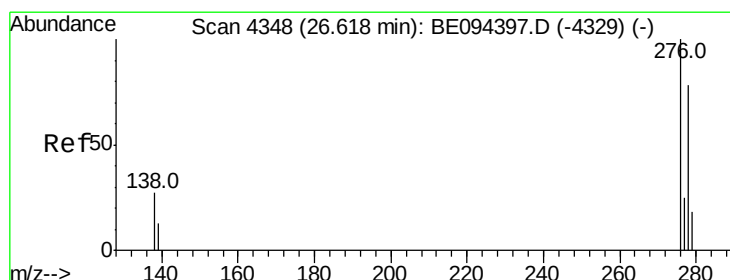
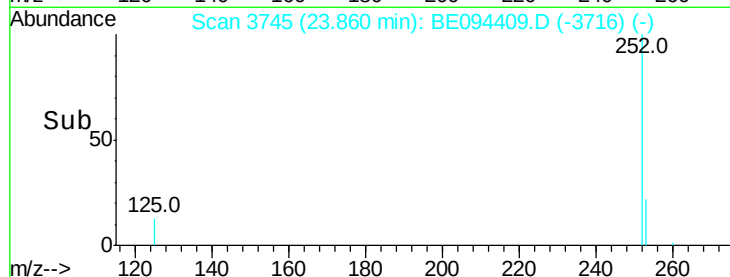
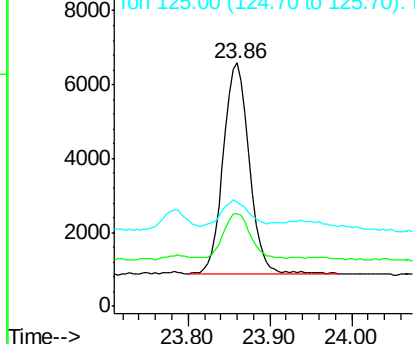
252 100

253 38.2 28.5 42.7

125 43.0 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: 0.420 ng/ul

RT: 26.67 min Scan# 4359

Delta R.T. 0.06 min

Lab File: BE094409.D

Acq: 16 Oct 2017 00:55

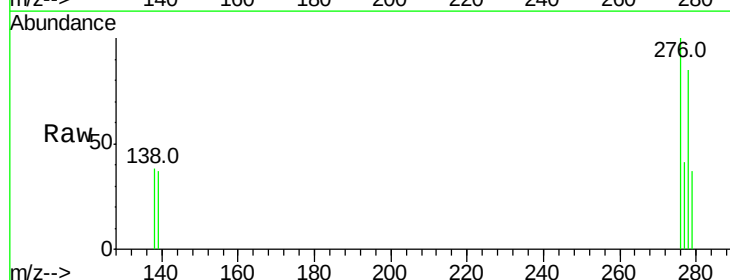
Tgt Ion:276 Resp: 13268

Ion Ratio Lower Upper

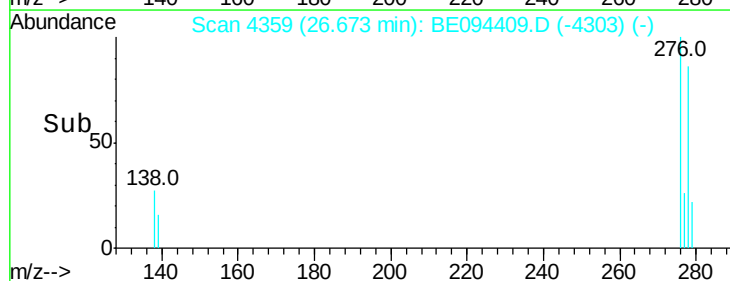
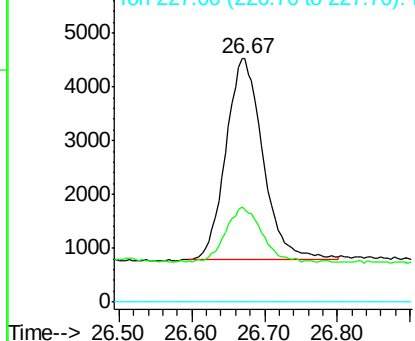
276 100

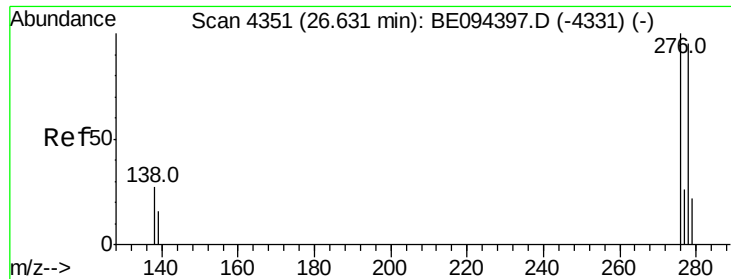
138 26.6 28.0 42.0#

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: 0.439 ng/ul

RT: 26.67 min Scan# 4359

Delta R.T. 0.04 min

Lab File: BE094409.D

Acq: 16 Oct 2017 00:55

Instrument :

BNA_E

ClientSampleId :

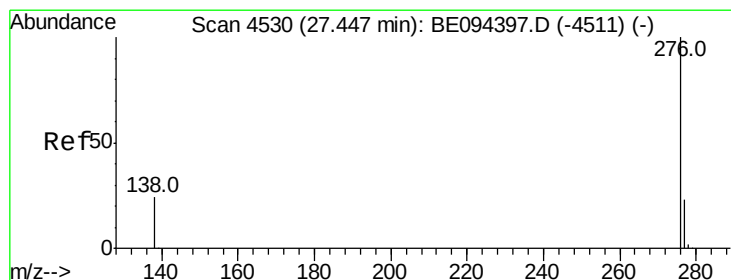
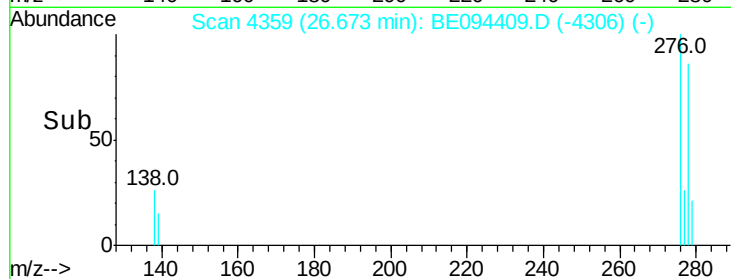
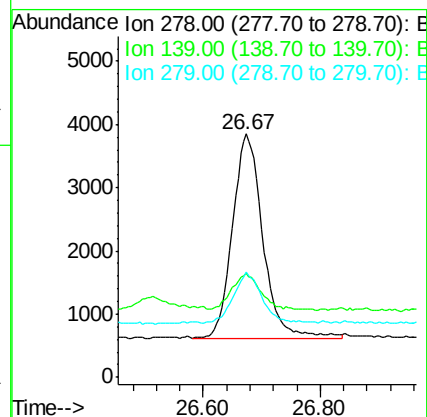
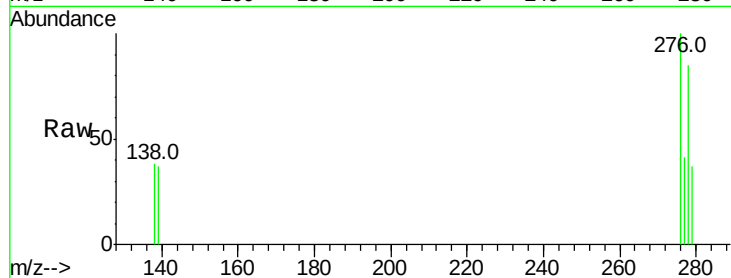
Tot Ion:278 Resp: 11616

Ion Ratio Lower Upper

278 100

139 43.0 17.4 26.0#

279 43.3 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.395 ng/ul

RT: 27.52 min Scan# 4544

Delta R.T. 0.07 min

Lab File: BE094409.D

Acq: 16 Oct 2017 00:55

Tgt Ion:276 Resp: 10758

Ion Ratio Lower Upper

276 100

138 39.8 21.8 32.8#

277 43.8 20.5 30.7#

