

Data File : BE093294.D
Acq On : 20 Jun 2017 22:51
Operator : SJ/JU
Sample : I3625-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A02

Quant Time: Jun 21 03:24:27 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 03:23:49 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1744	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9287	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5819	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	14051	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	14148	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	14369	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	2090	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	5865	0.15	ng/ul	0.00

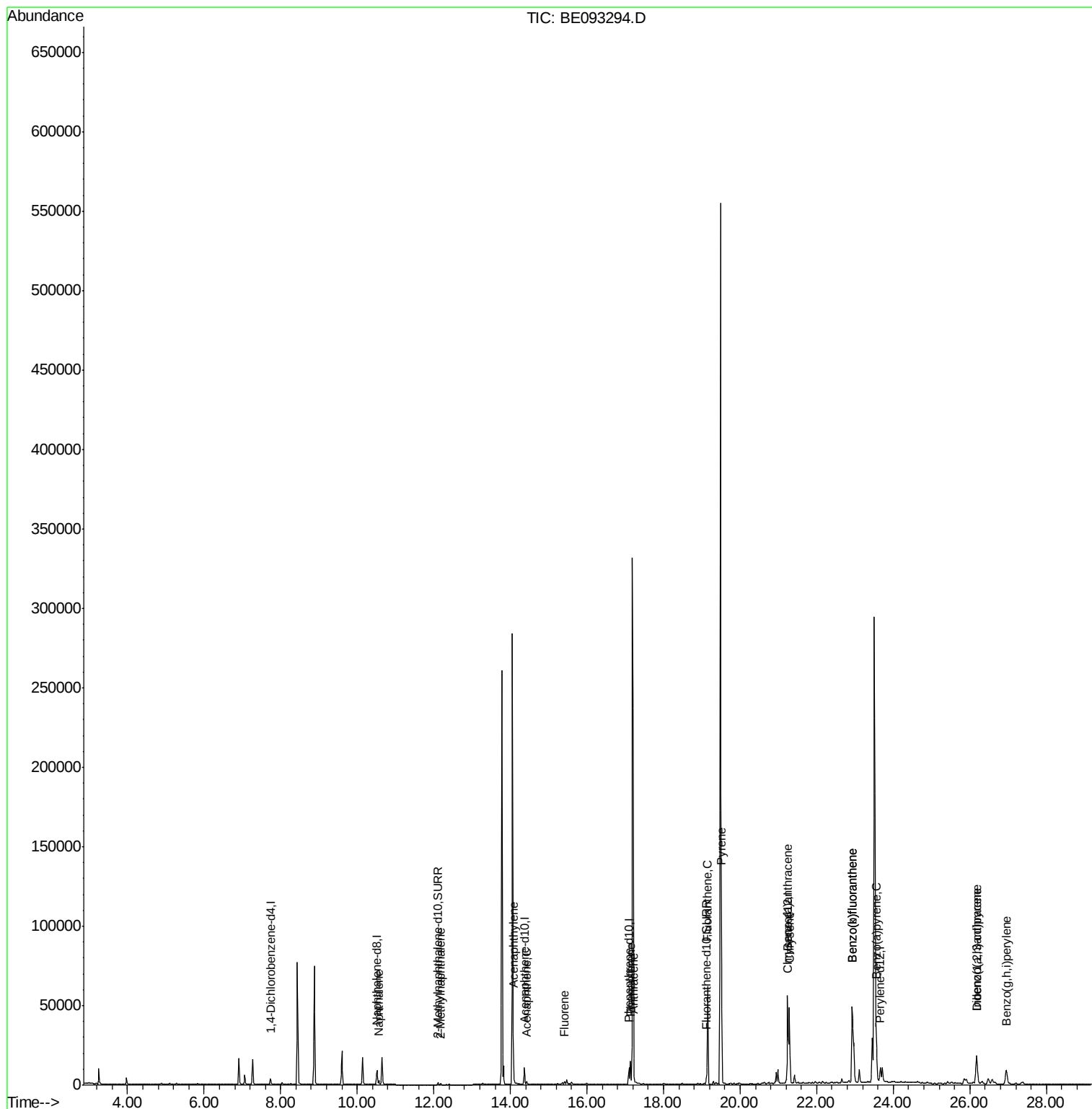
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	3065	0.13	ng/ul#	95
5) 2-Methylnaphthalene	12.18	142	669	0.04	ng/ul	97
7) Acenaphthylene	14.08	152	7074	0.28	ng/ul	97
8) Acenaphthene	14.42	153	1014	0.05	ng/ul	96
9) Fluorene	15.42	166	1149	0.05	ng/ul	90
12) Phenanthrene	17.14	178	15155	0.39	ng/ul#	89
13) Anthracene	17.22	178	9909	0.29	ng/ul#	89
15) Fluoranthene	19.15	202	65215	1.38	ng/ul	83
17) Pyrene	19.51	202	85152	2.04	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	45059	1.19	ng/ul#	85
19) Chrysene	21.29	228	54148	1.38	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	114072	2.62	ng/ul	87
22) Benzo(k)fluoranthene	22.93	252	114072	2.46	ng/ul#	89
23) Benzo(a)pyrene	23.56	252	46933	1.14	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.18	276	29426	0.62	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.19	278	7785	0.19	ng/ul#	88
26) Benzo(g,h,i)perylene	26.95	276	20346	0.50	ng/ul	96

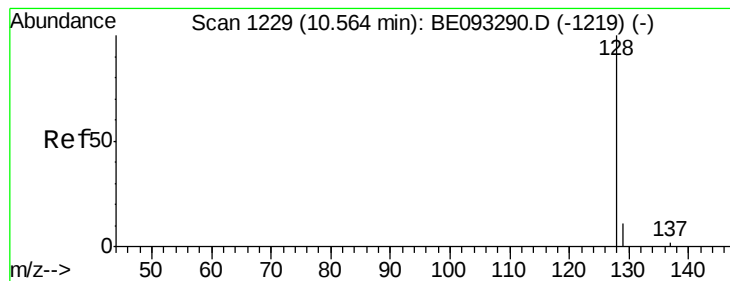
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.13 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093294.D

Acq: 20 Jun 2017 22:51

Instrument :

BNA_E

ClientSampleId :

F5A02

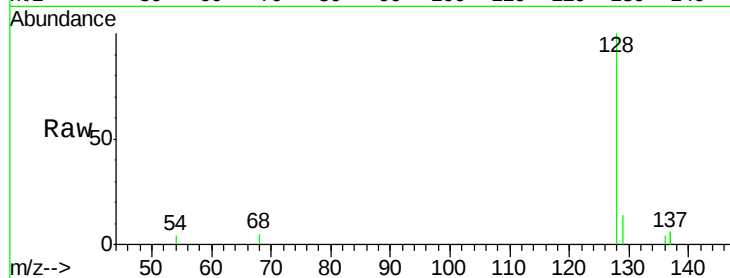
Tgt Ion:128 Resp: 3065

Ion Ratio Lower Upper

128 100

129 13.7 11.3 16.9

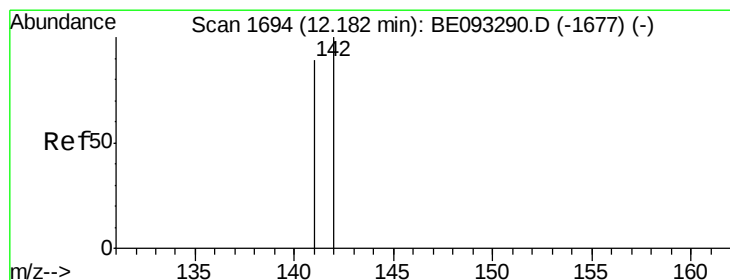
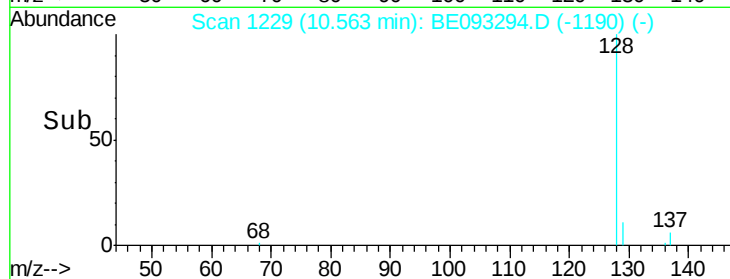
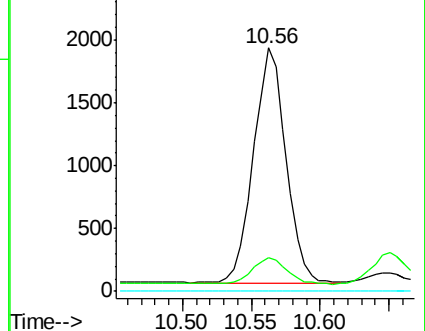
127 0.0 4.0 6.0#



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: 0.04 ng/ul

RT: 12.18 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BE093294.D

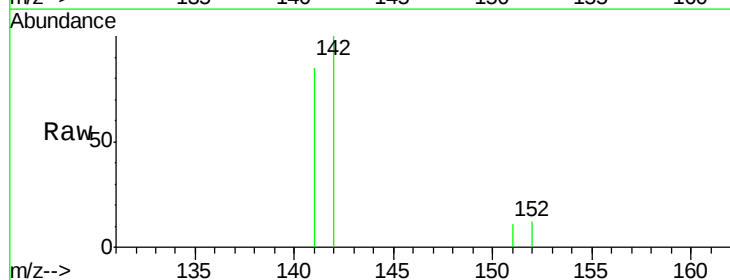
Acq: 20 Jun 2017 22:51

Tgt Ion:142 Resp: 669

Ion Ratio Lower Upper

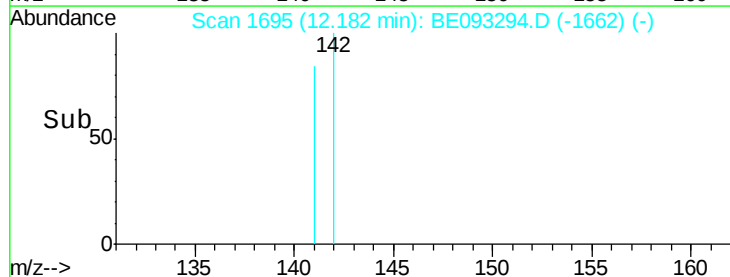
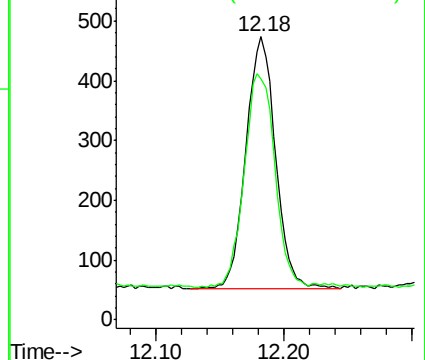
142 100

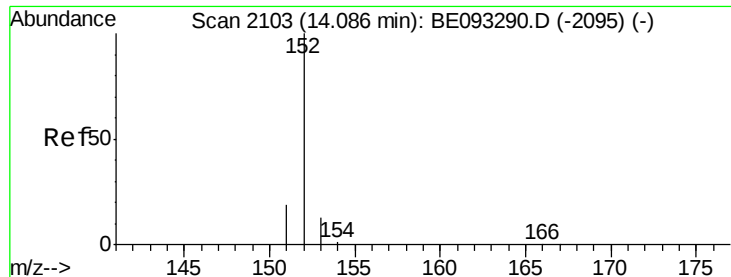
141 87.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.28 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093294.D

Acq: 20 Jun 2017 22:51

Instrument :

BNA_E

ClientSampleId :

F5A02

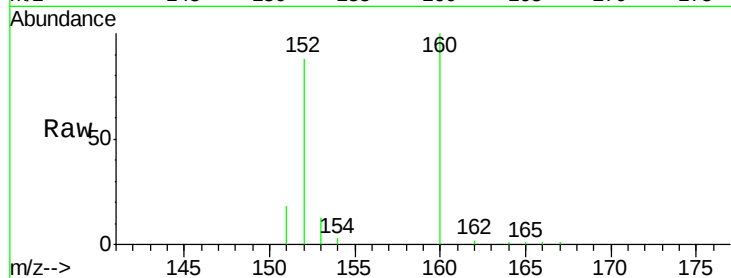
Tgt Ion:152 Resp: 7074

Ion Ratio Lower Upper

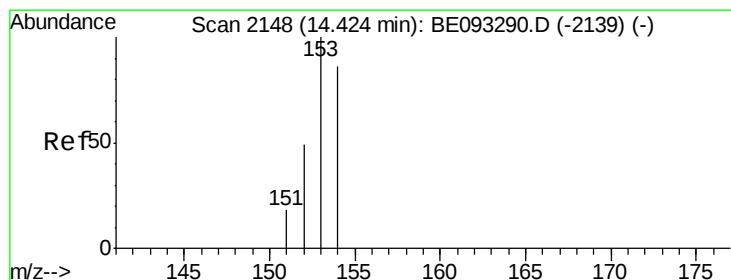
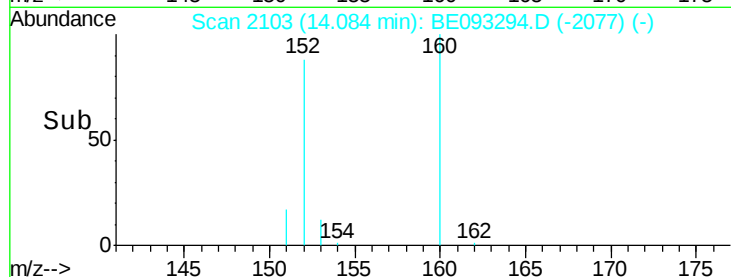
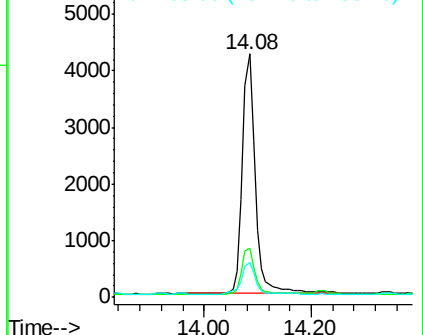
152 100

151 20.4 17.1 25.7

153 14.6 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: 0.05 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093294.D

Acq: 20 Jun 2017 22:51

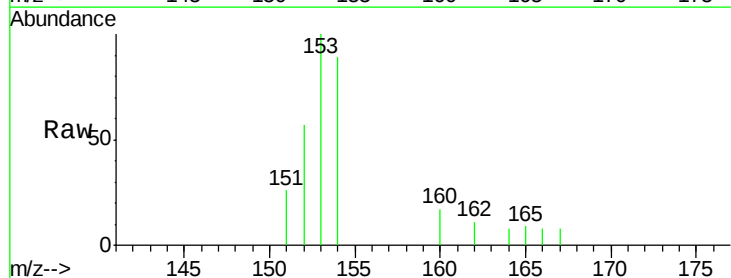
Tgt Ion:153 Resp: 1014

Ion Ratio Lower Upper

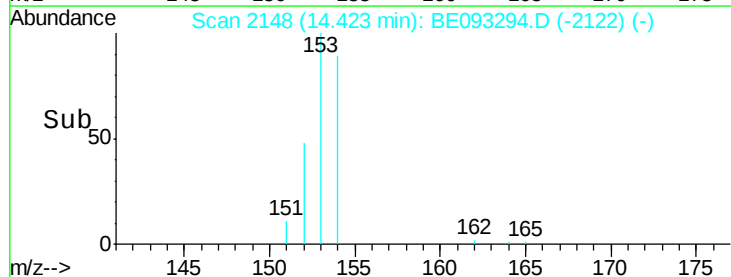
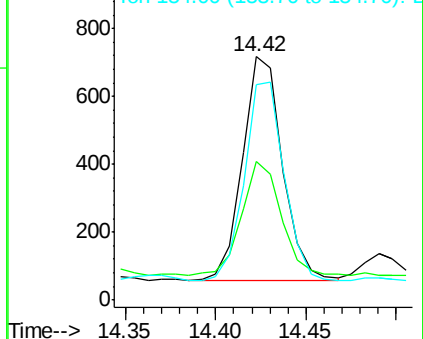
153 100

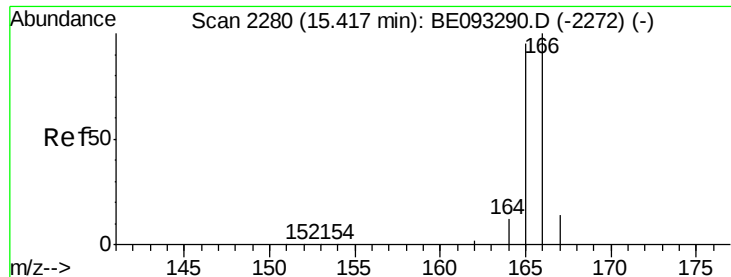
152 56.9 40.3 60.5

154 88.6 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: 0.05 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE093294.D

Acq: 20 Jun 2017 22:51

Instrument :

BNA_E

ClientSampled :

F5A02

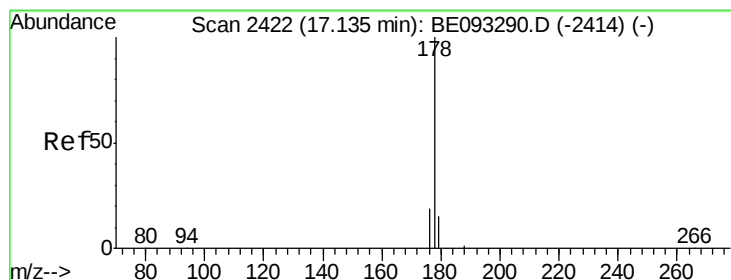
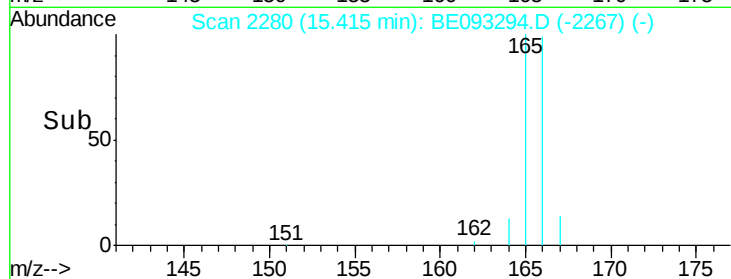
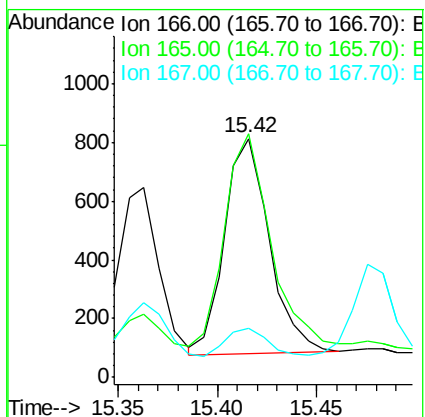
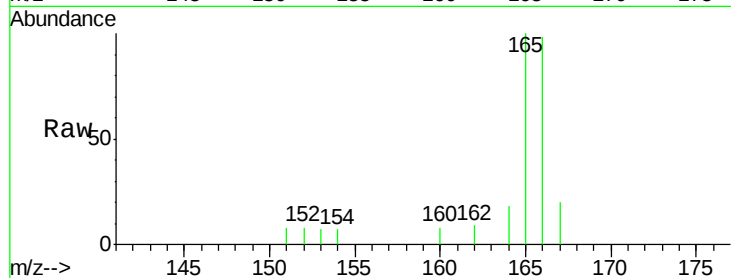
Tgt Ion:166 Resp: 1149

Ion Ratio Lower Upper

166 100

165 102.0 73.4 110.2

167 20.5 14.6 22.0



#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093294.D

Acq: 20 Jun 2017 22:51

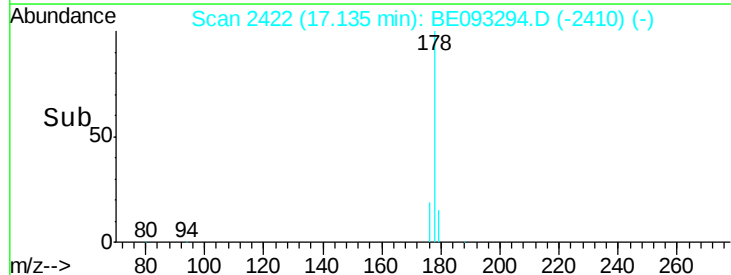
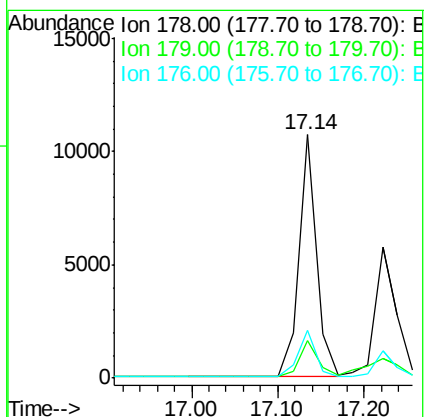
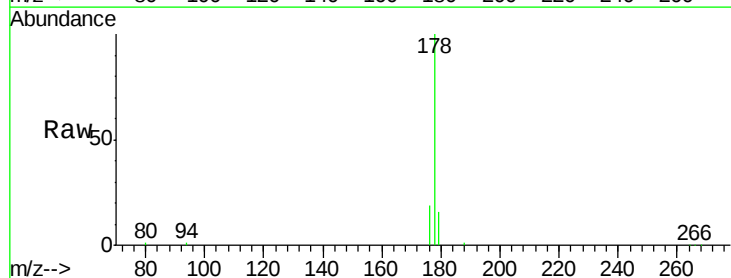
Tgt Ion:178 Resp: 15155

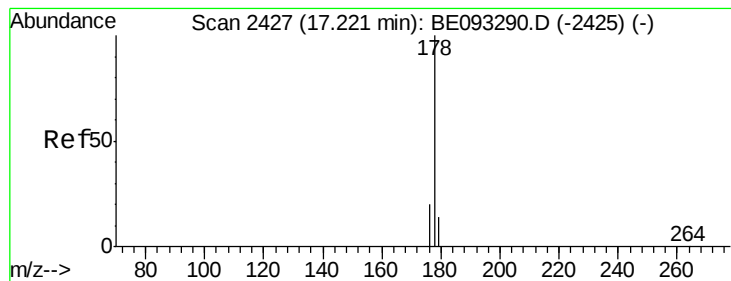
Ion Ratio Lower Upper

178 100

179 15.7 18.4 27.6#

176 19.4 13.6 20.4





#13

Anthracene

Concen: 0.29 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093294.D

Acq: 20 Jun 2017 22:51

Instrument :

BNA_E

ClientSampleId :

F5A02

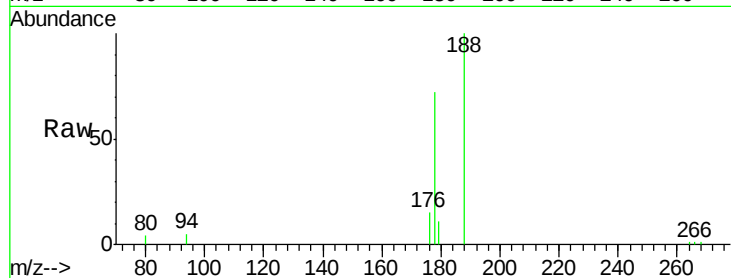
Tgt Ion:178 Resp: 9909

Ion Ratio Lower Upper

178 100

179 15.4 18.1 27.1#

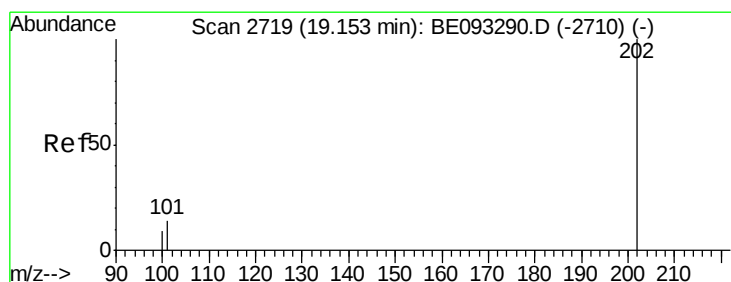
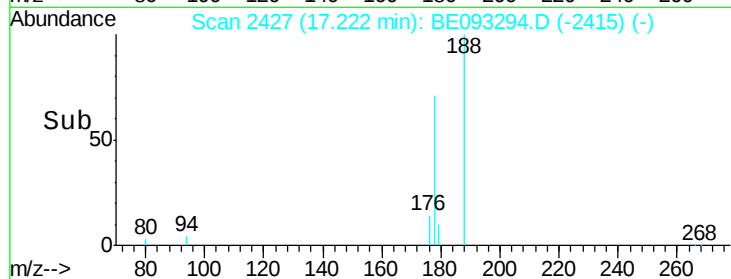
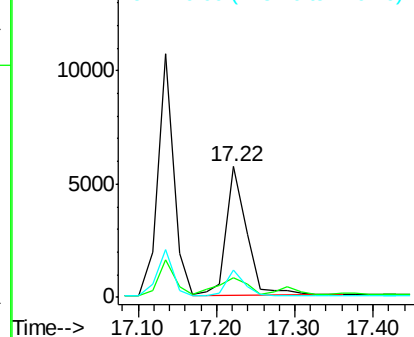
176 21.0 14.7 22.1



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: 1.38 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE093294.D

Acq: 20 Jun 2017 22:51

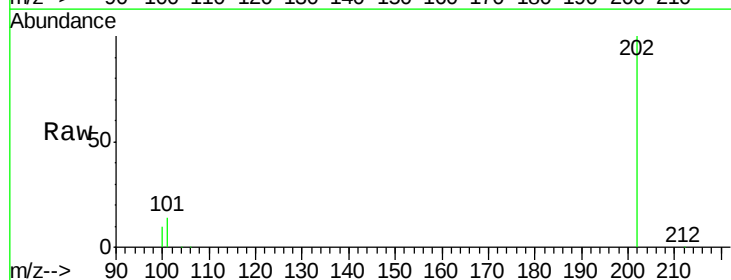
Tgt Ion:202 Resp: 65215

Ion Ratio Lower Upper

202 100

101 13.8 0.0 30.3

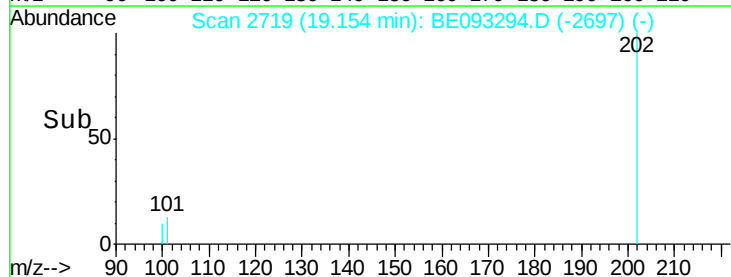
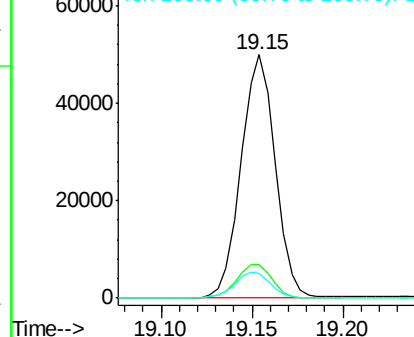
100 10.2 0.0 39.5

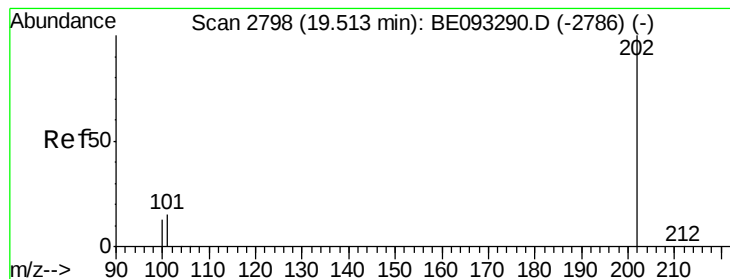


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#17

Pyrene

Concen: 2.04 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093294.D

Acq: 20 Jun 2017 22:51

Instrument :

BNA_E

ClientSampleId :

F5A02

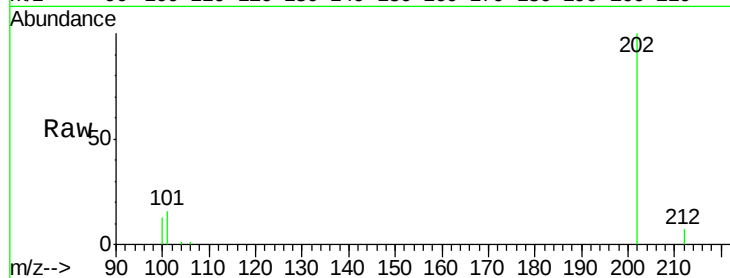
Tgt Ion:202 Resp: 85152

Ion Ratio Lower Upper

202 100

101 16.1 18.2 27.4#

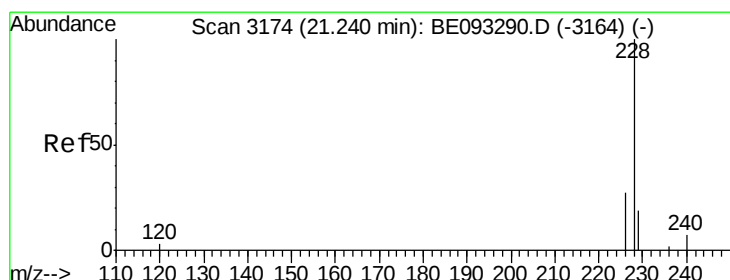
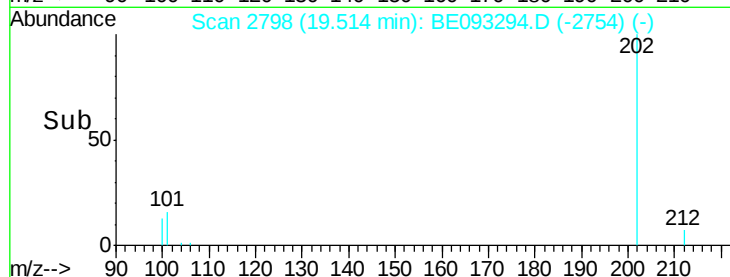
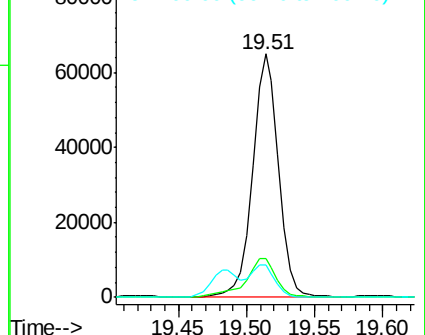
100 13.1 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 1.19 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093294.D

Acq: 20 Jun 2017 22:51

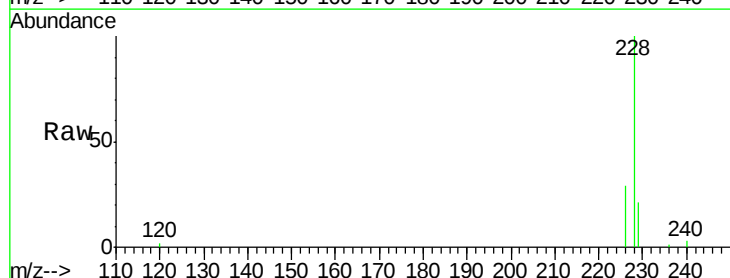
Tgt Ion:228 Resp: 45059

Ion Ratio Lower Upper

228 100

229 20.8 22.8 34.2#

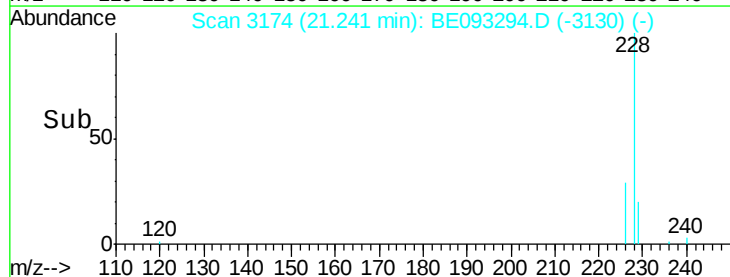
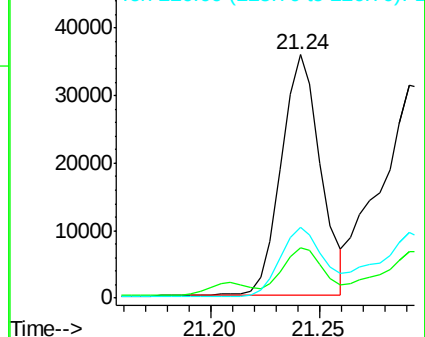
226 29.0 17.0 25.6#

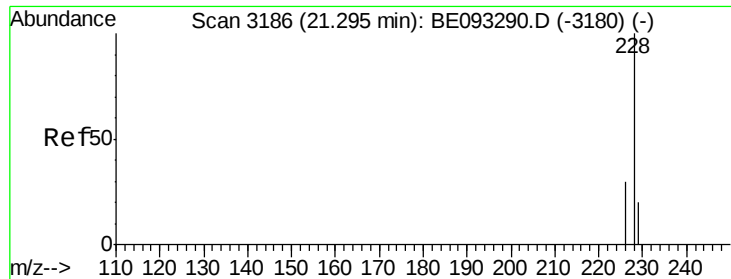


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.38 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093294.D

Acq: 20 Jun 2017 22:51

Instrument :

BNA_E

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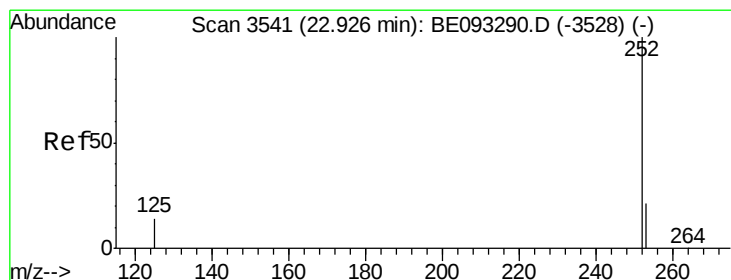
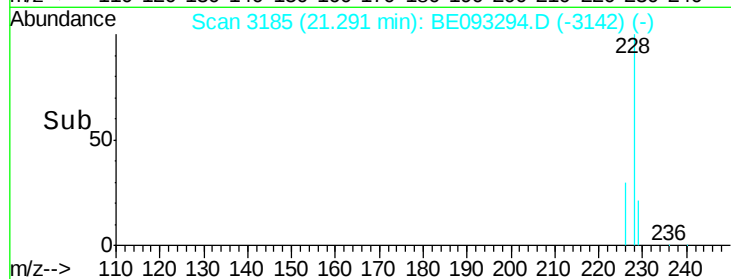
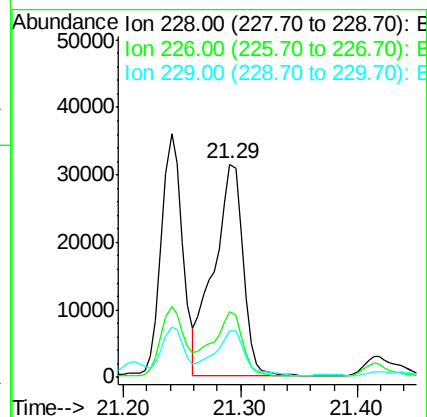
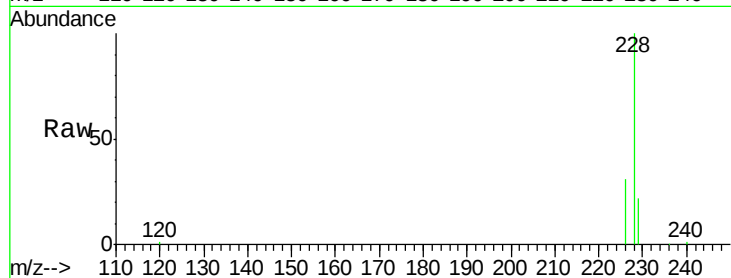
Tgt Ion:228 Resp: 54148

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.0

229 21.7 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 2.62 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093294.D

Acq: 20 Jun 2017 22:51

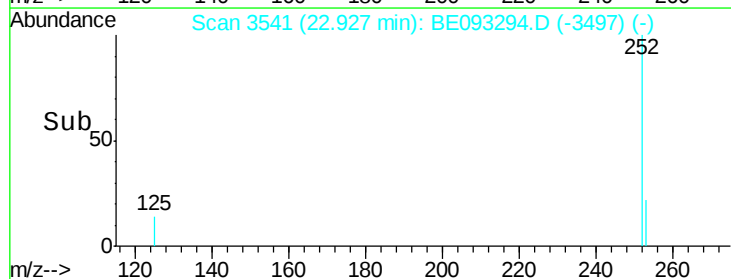
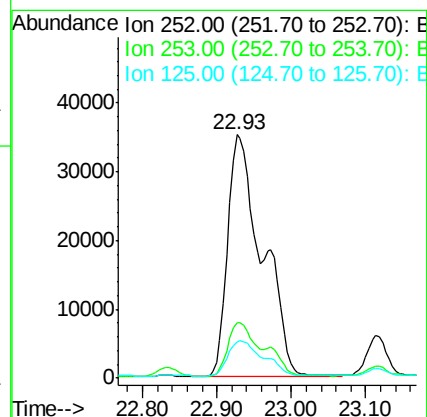
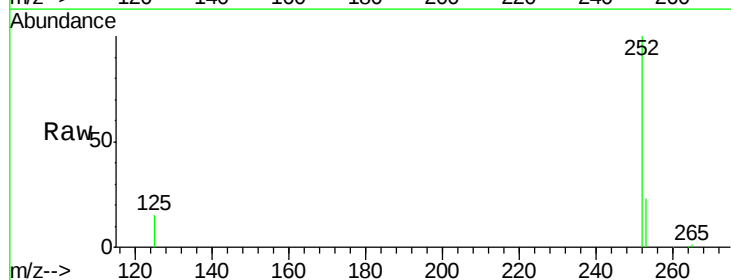
Tgt Ion:252 Resp: 114072

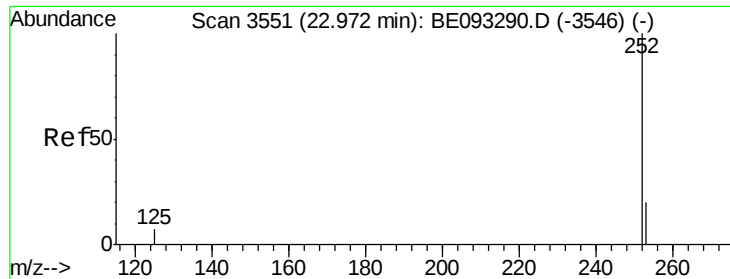
Ion Ratio Lower Upper

252 100

253 22.6 0.0 64.2

125 14.8 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 2.46 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. -0.05 min

Lab File: BE093294.D

Acq: 20 Jun 2017 22:51

Instrument :

BNA_E

ClientSampleId :

F5A02

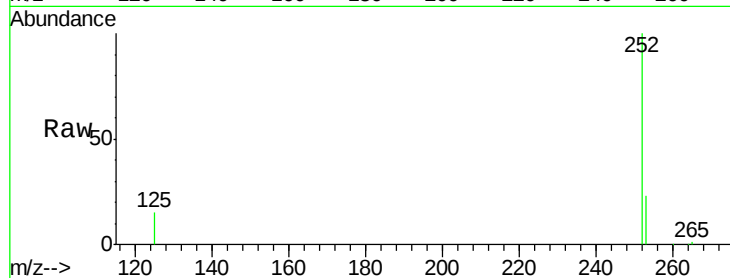
Tgt Ion:252 Resp: 114072

Ion Ratio Lower Upper

252 100

253 22.6 24.5 36.7#

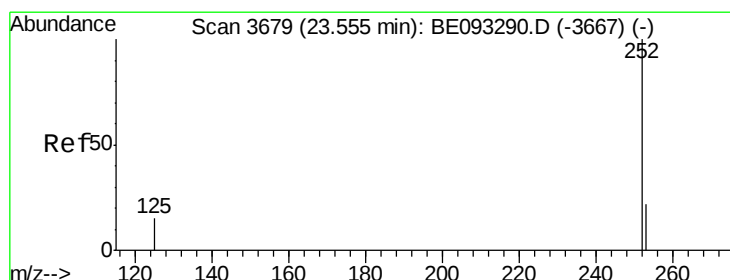
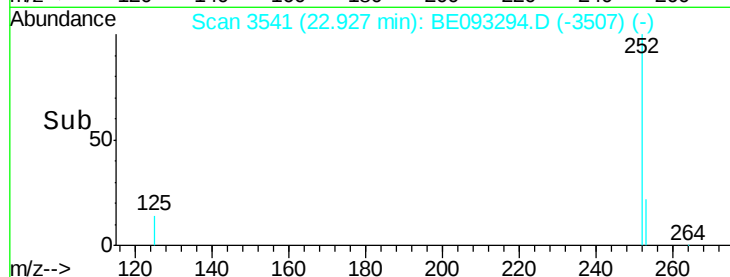
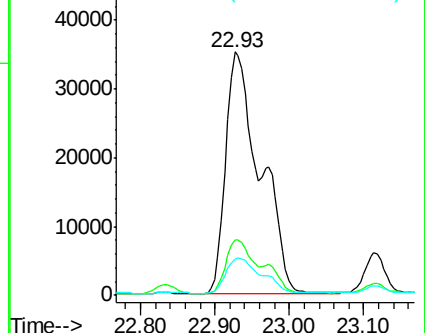
125 14.8 13.7 20.5



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: 1.14 ng/ul

RT: 23.56 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BE093294.D

Acq: 20 Jun 2017 22:51

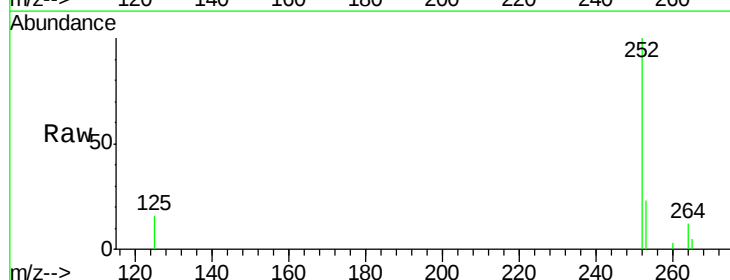
Tgt Ion:252 Resp: 46933

Ion Ratio Lower Upper

252 100

253 22.7 28.5 42.7#

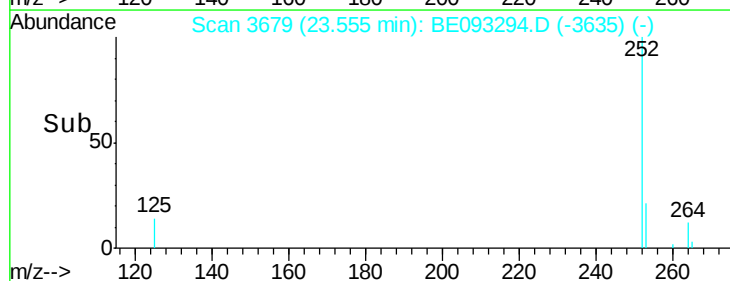
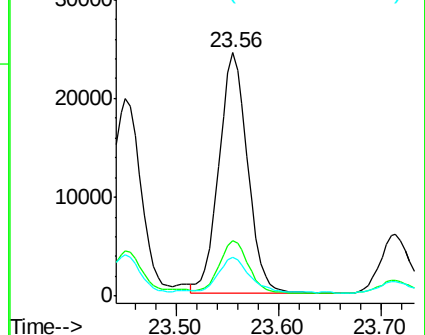
125 15.9 18.1 27.1#

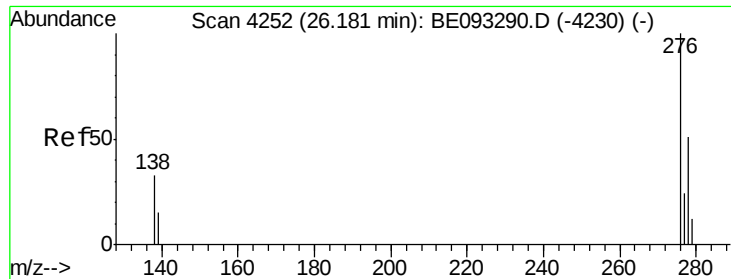


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

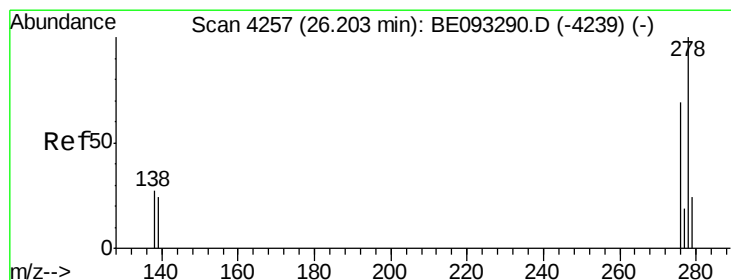
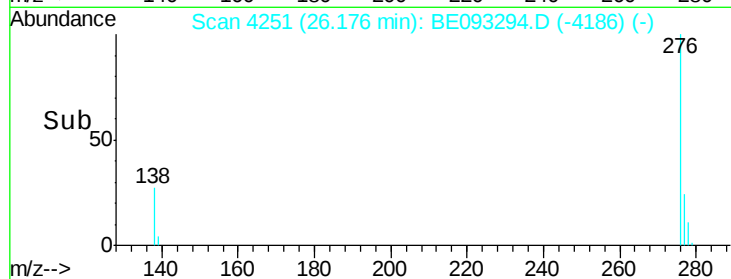
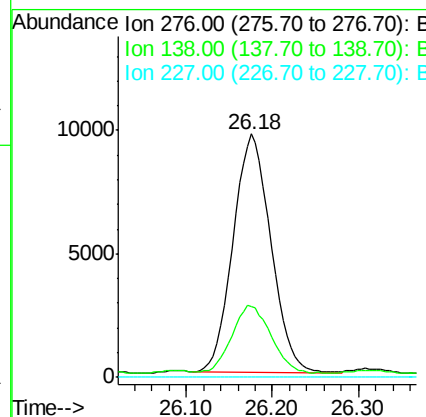
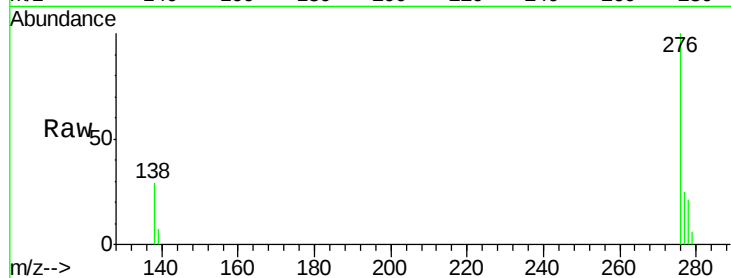




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.62 ng/ul
 RT: 26.18 min Scan# 4251
 Delta R.T. -0.00 min
 Lab File: BE093294.D
 Acq: 20 Jun 2017 22:51

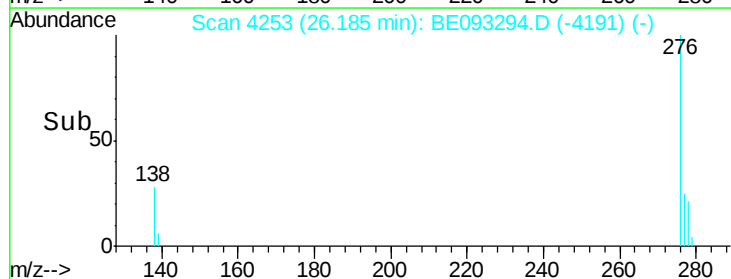
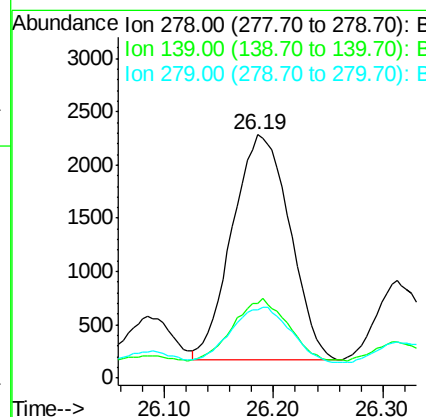
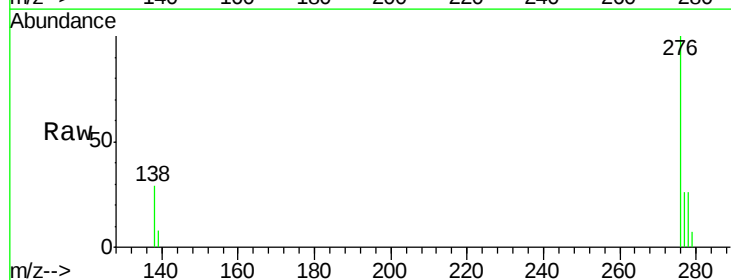
Instrument :
 BNA_E
 ClientSampleId :
 F5A02

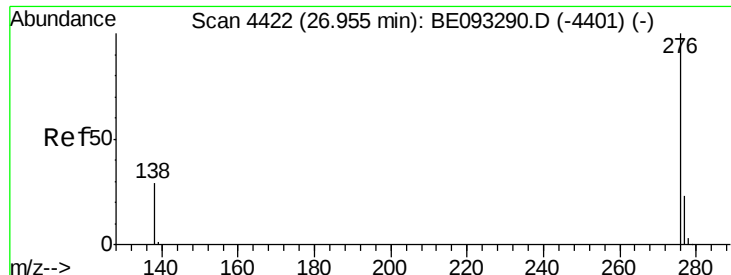
Tgt Ion: 276 Resp: 29426
 Ion Ratio Lower Upper
 276 100
 138 29.9 28.0 42.0
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.19 ng/ul
 RT: 26.19 min Scan# 4253
 Delta R.T. -0.02 min
 Lab File: BE093294.D
 Acq: 20 Jun 2017 22:51

Tgt Ion: 278 Resp: 7785
 Ion Ratio Lower Upper
 278 100
 139 30.4 17.4 26.0#
 279 28.1 25.9 38.9





#26

Benzo(g,h,i)perylene

Concen: 0.50 ng/ul

RT: 26.95 min Scan# 4421

Delta R.T. -0.00 min

Lab File: BE093294.D

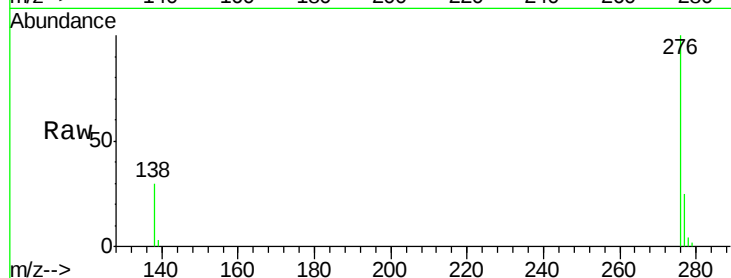
Acq: 20 Jun 2017 22:51

Instrument :

BNA_E

ClientSampleId :

F5A02



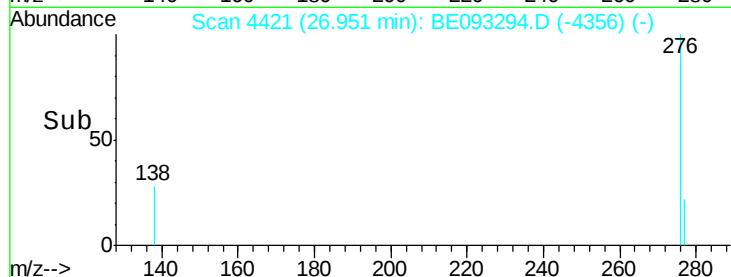
Tgt Ion: 276 Resp: 20346

Ion Ratio Lower Upper

276 100

138 30.4 21.8 32.8

277 25.0 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

