

Data File : BE093358.D
Acq On : 24 Jun 2017 12:46
Operator : SJ/JU
Sample : I3625-11DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5D15DL

Quant Time: Jun 26 01:14:15 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 01:13:30 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1297	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	6734	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	3808	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	9698	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	11679	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	9707	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	171	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	994	0.04	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.56	128	310	0.02	ng/ul#	66
5) 2-Methylnaphthalene	12.18	142	137	0.01	ng/ul	99
7) Acenaphthylene	14.08	152	7623	0.47	ng/ul	98
8) Acenaphthene	14.42	153	430	0.03	ng/ul#	93
9) Fluorene	15.42	166	1006	0.07	ng/ul#	89
12) Phenanthrene	17.14	178	35362	1.33	ng/ul#	92
13) Anthracene	17.22	178	11010	0.47	ng/ul#	91
15) Fluoranthene	19.15	202	173185	5.29	ng/ul	84
17) Pyrene	19.51	202	177589	5.16	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	116957	3.75	ng/ul#	85
19) Chrysene	21.29	228	116966	3.62	ng/ul	99
21) Benzo(b)fluoranthene	22.93	252	203529	6.91	ng/ul	88
22) Benzo(k)fluoranthene	23.11	252	17076	0.55	ng/ul	96
23) Benzo(a)pyrene	23.55	252	102889	3.69	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.18	276	67482	2.09	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.19	278	19517	0.72	ng/ul	93
26) Benzo(g,h,i)perylene	26.96	276	57477	2.08	ng/ul	97

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

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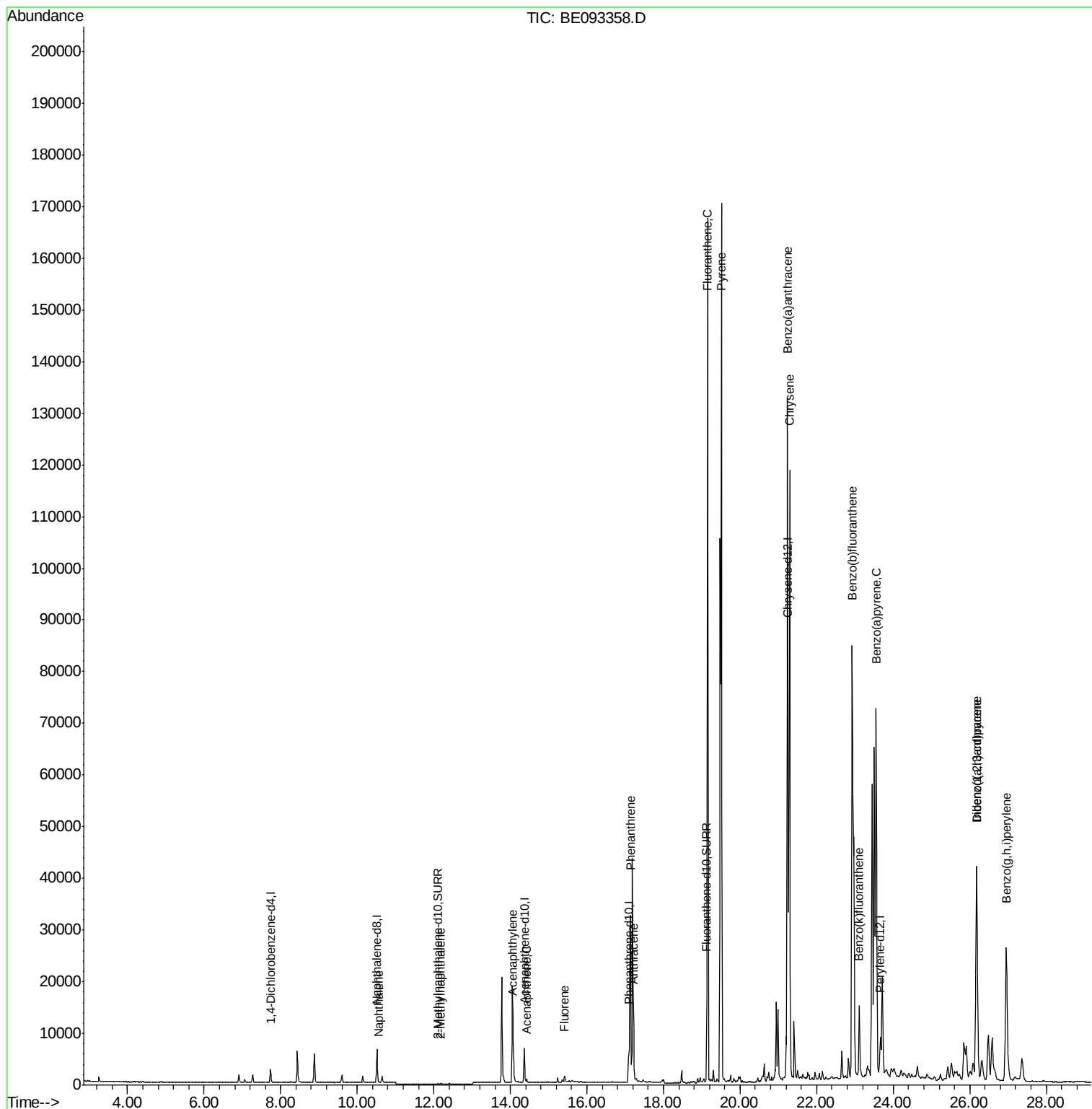
Quant Time: Jun 26 01:14:15 2017

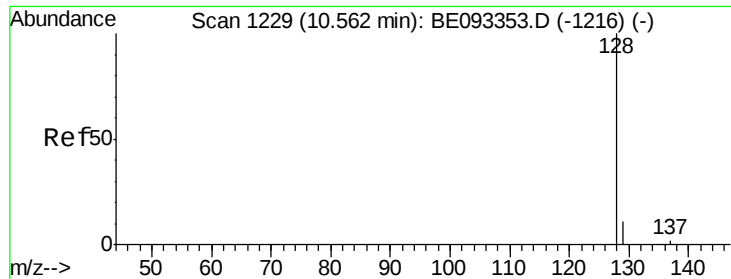
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 0.02 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093358.D

Acq: 24 Jun 2017 12:46

Instrument :

BNA_E

ClientSampleId :

F5D15DL

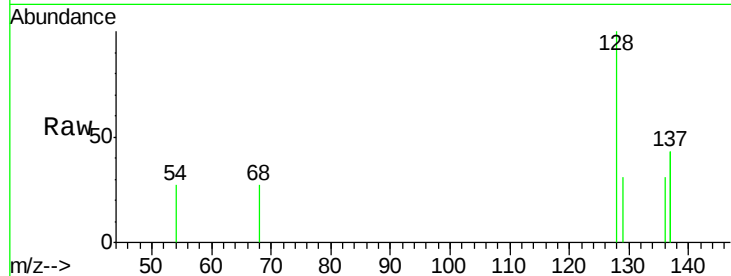
Tgt Ion:128 Resp: 310

Ion Ratio Lower Upper

128 100

129 30.8 11.3 16.9#

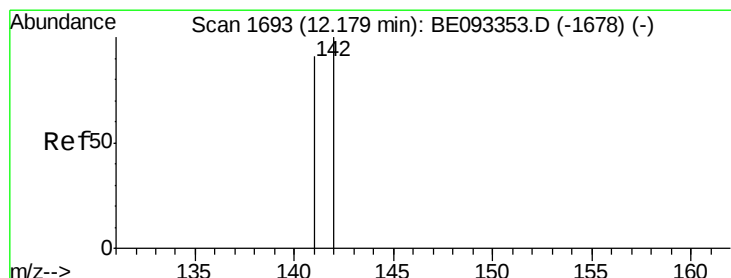
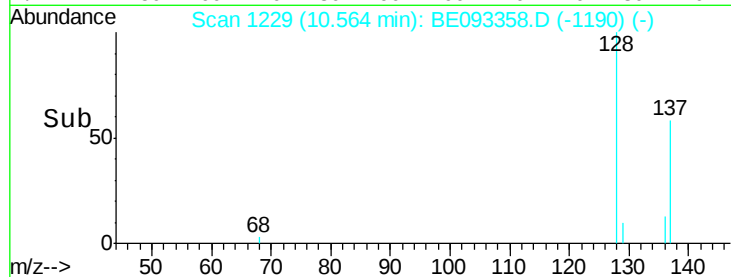
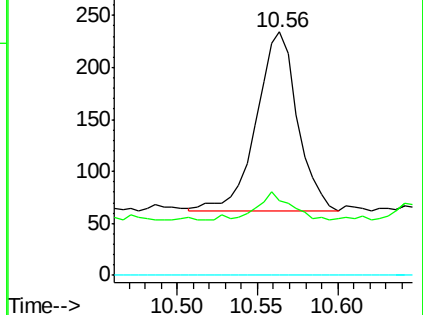
127 0.0 4.0 6.0#



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: 0.01 ng/ul

RT: 12.18 min Scan# 1695

Delta R.T. 0.01 min

Lab File: BE093358.D

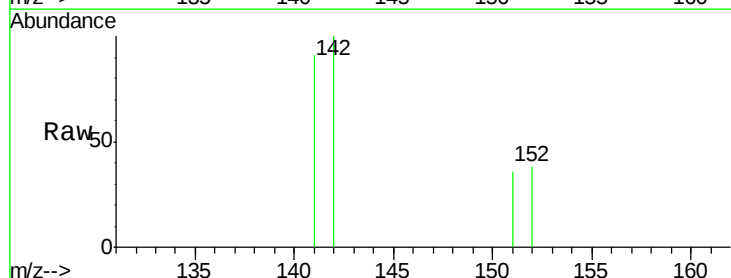
Acq: 24 Jun 2017 12:46

Tgt Ion:142 Resp: 137

Ion Ratio Lower Upper

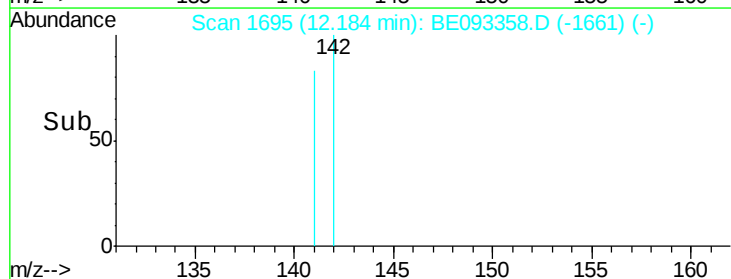
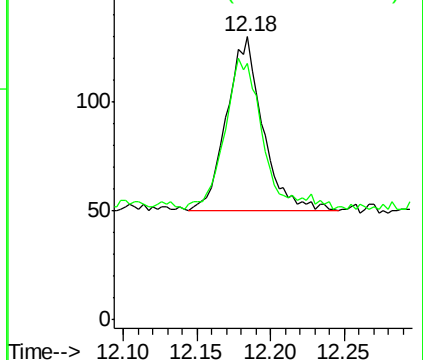
142 100

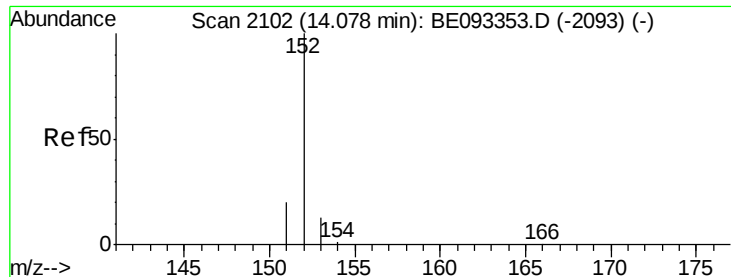
141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.47 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093358.D

Acq: 24 Jun 2017 12:46

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F5D15DL

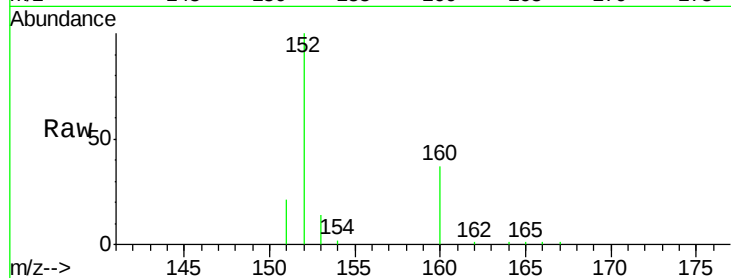
Tgt Ion:152 Resp: 7623

Ion Ratio Lower Upper

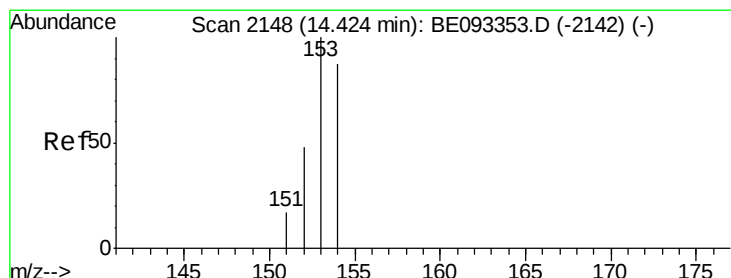
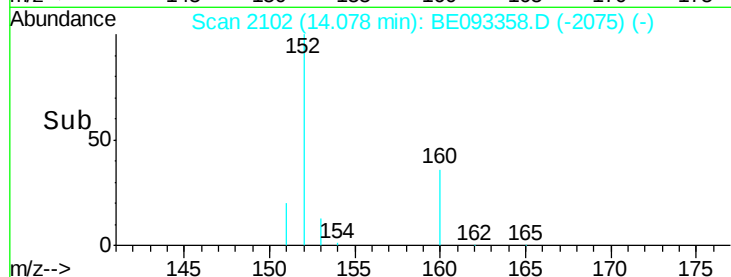
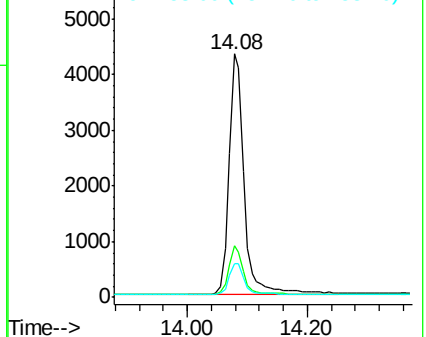
152 100

151 21.3 17.1 25.7

153 13.8 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: 0.03 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093358.D

Acq: 24 Jun 2017 12:46

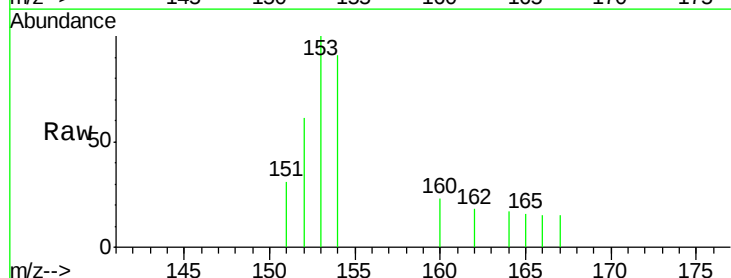
Tgt Ion:153 Resp: 430

Ion Ratio Lower Upper

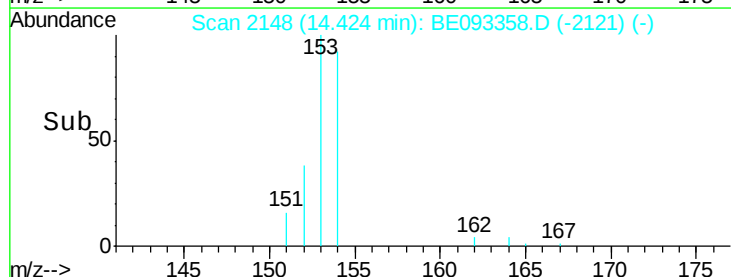
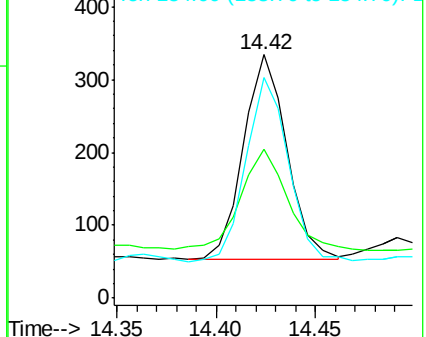
153 100

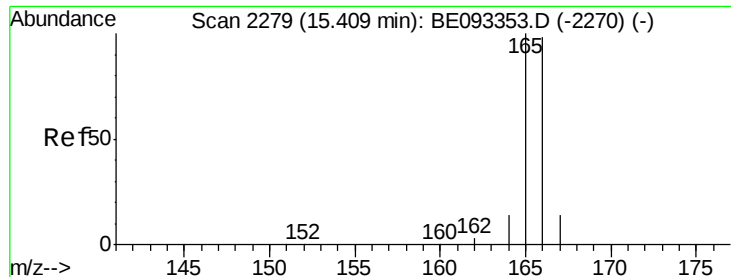
152 61.4 40.3 60.5#

154 90.7 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

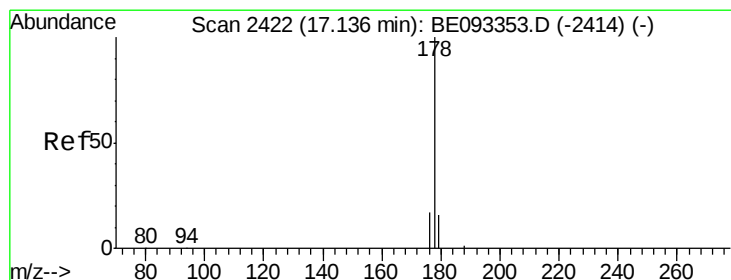
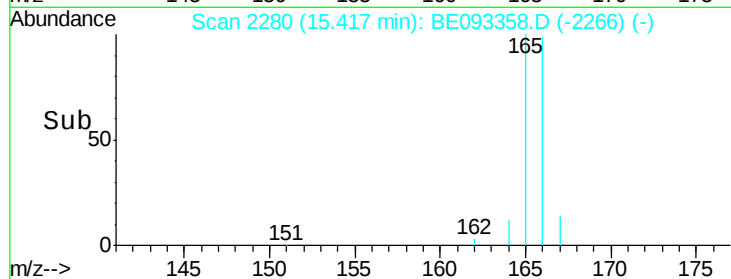
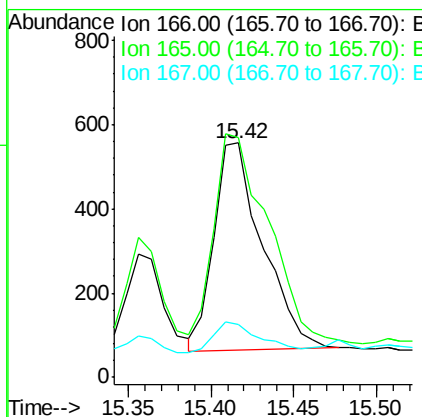
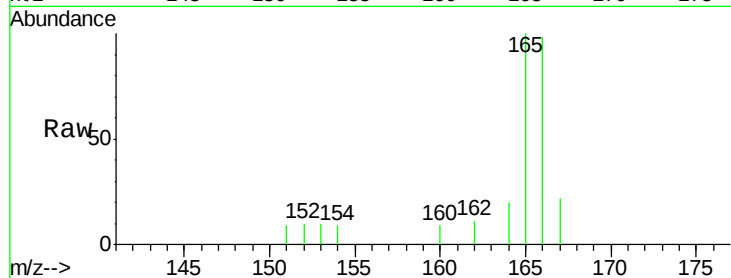




#9
Fluorene
 Concen: 0.07 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BE093358.D
 Acq: 24 Jun 2017 12:46

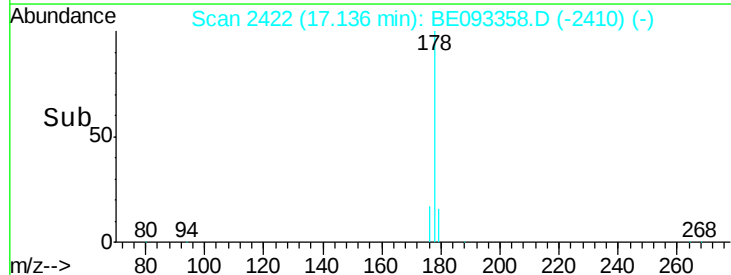
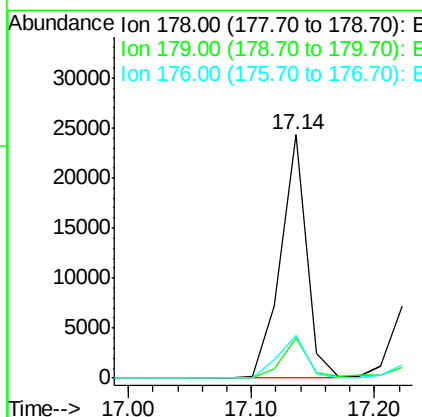
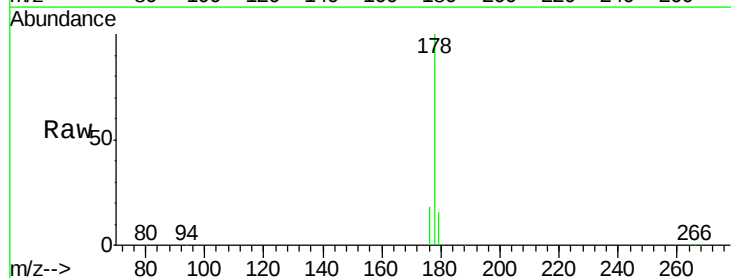
Instrument :
 BNA_E
 ClientSampleId :
 F5D15DL

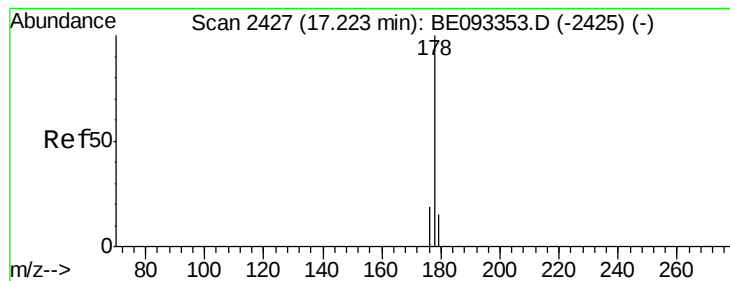
Tgt Ion:166 Resp: 1006
 Ion Ratio Lower Upper
 166 100
 165 102.3 73.4 110.2
 167 22.8 14.6 22.0#



#12
Phenanthrene
 Concen: 1.33 ng/ul
 RT: 17.14 min Scan# 2422
 Delta R.T. -0.00 min
 Lab File: BE093358.D
 Acq: 24 Jun 2017 12:46

Tgt Ion:178 Resp: 35362
 Ion Ratio Lower Upper
 178 100
 179 16.3 18.4 27.6#
 176 17.6 13.6 20.4





#13

Anthracene

Concen: 0.47 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093358.D

Acq: 24 Jun 2017 12:46

Instrument :

BNA_E

ClientSampleId :

F5D15DL

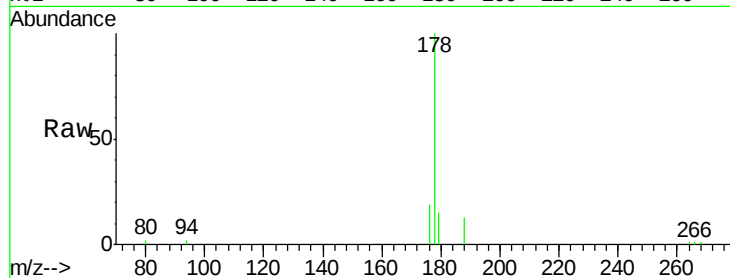
Tgt Ion:178 Resp: 11010

Ion Ratio Lower Upper

178 100

179 15.5 18.1 27.1#

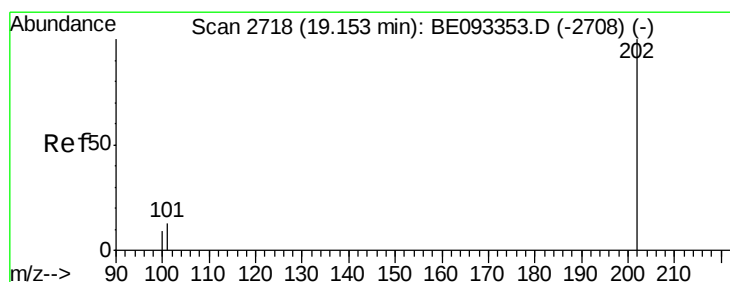
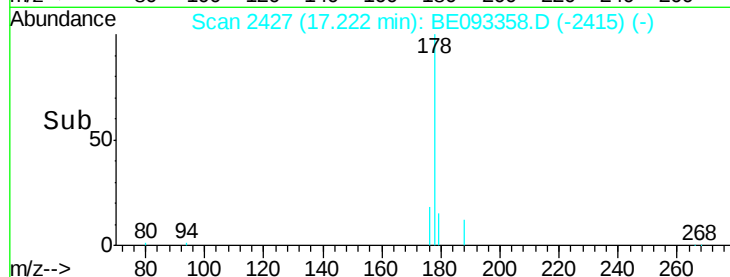
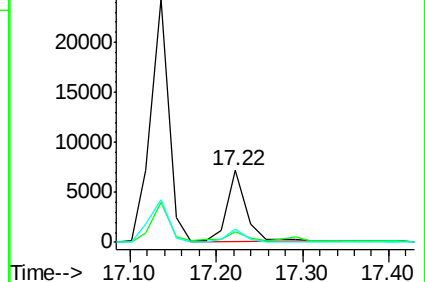
176 18.8 14.7 22.1



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: 5.29 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093358.D

Acq: 24 Jun 2017 12:46

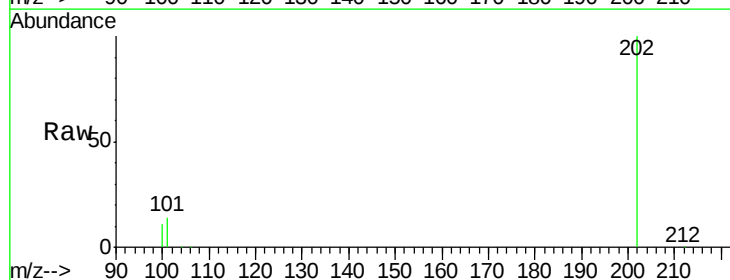
Tgt Ion:202 Resp: 173185

Ion Ratio Lower Upper

202 100

101 14.4 0.0 30.3

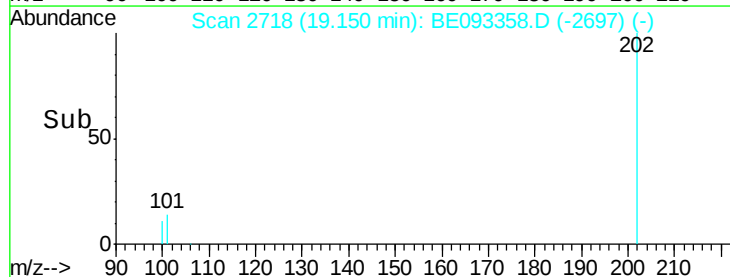
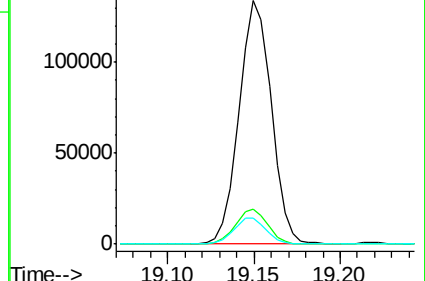
100 10.8 0.0 39.5

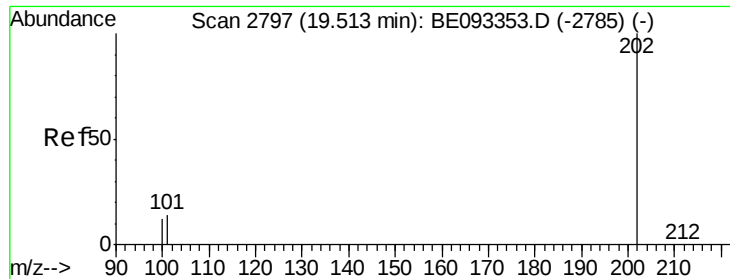


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

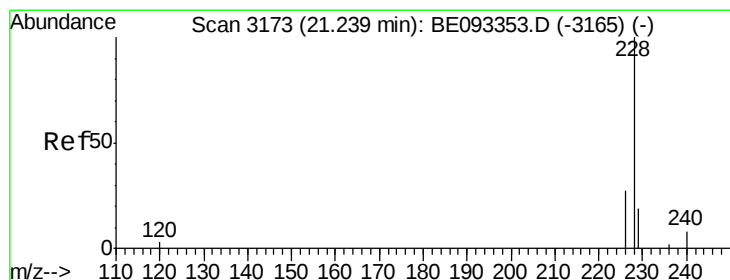
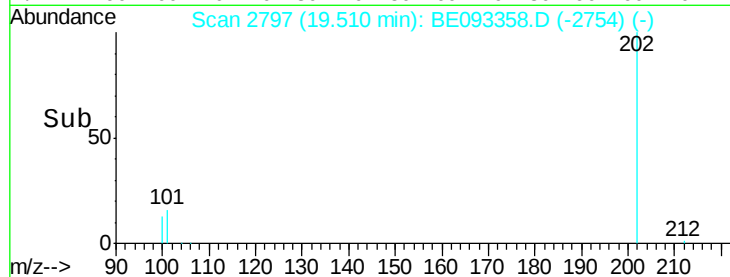
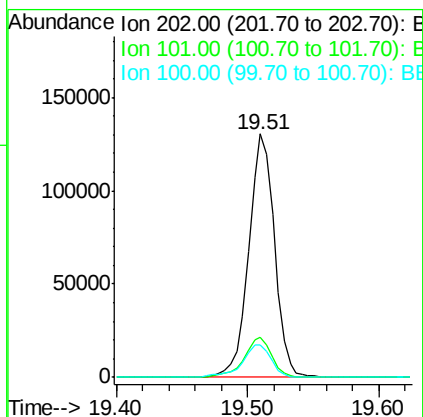
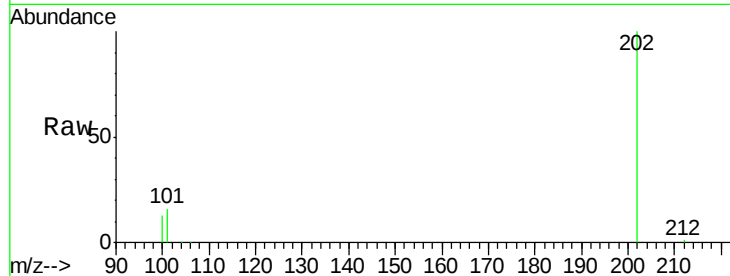




#17
Pyrene
 Concen: 5.16 ng/ul
 RT: 19.51 min Scan# 2797
 Delta R.T. -0.00 min
 Lab File: BE093358.D
 Acq: 24 Jun 2017 12:46

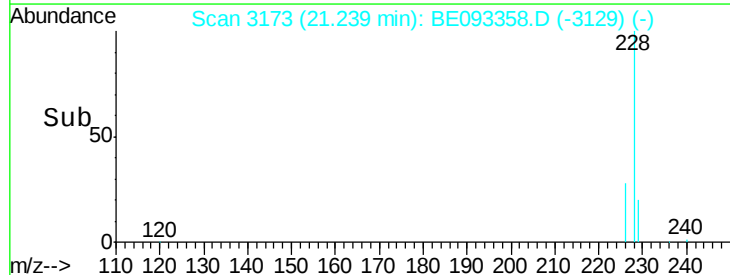
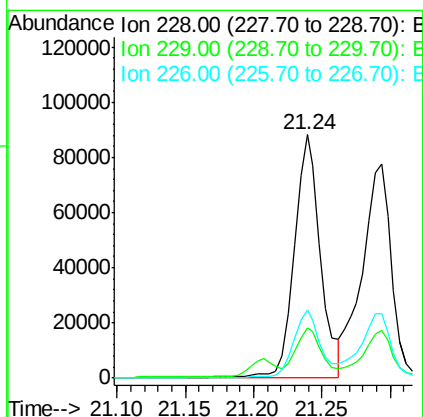
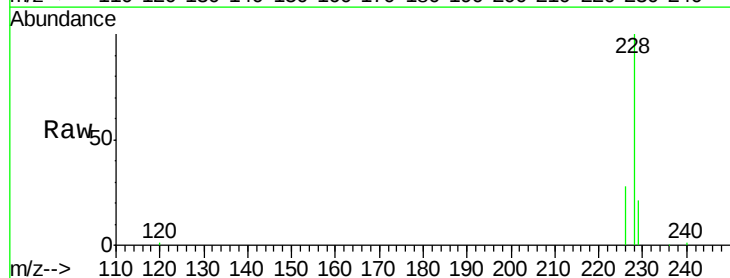
Instrument :
 BNA_E
 ClientSampleId :
 F5D15DL

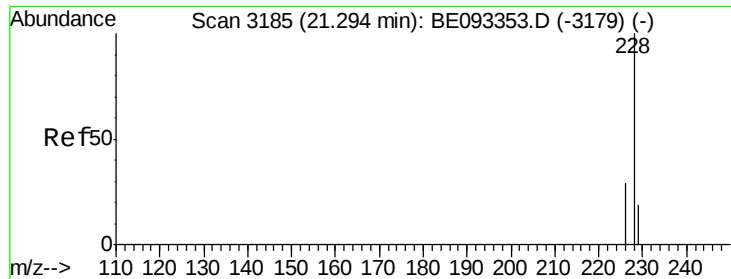
Tgt Ion:202 Resp: 177589
 Ion Ratio Lower Upper
 202 100
 101 16.3 18.2 27.4#
 100 13.4 15.6 23.4#



#18
Benzo(a)anthracene
 Concen: 3.75 ng/ul
 RT: 21.24 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: BE093358.D
 Acq: 24 Jun 2017 12:46

Tgt Ion:228 Resp: 116957
 Ion Ratio Lower Upper
 228 100
 229 20.5 22.8 34.2#
 226 28.1 17.0 25.6#





#19

Chrysene

Concen: 3.62 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093358.D

Acq: 24 Jun 2017 12:46

Instrument :

BNA_E

ClientSampleId :

F5D15DL

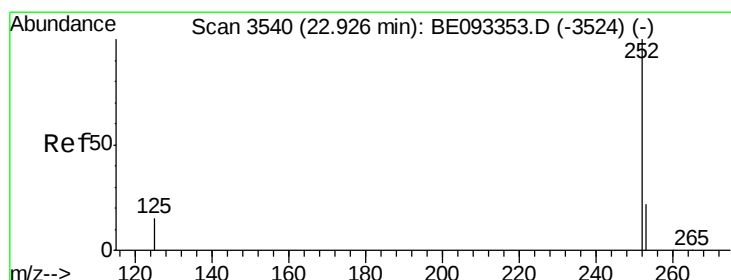
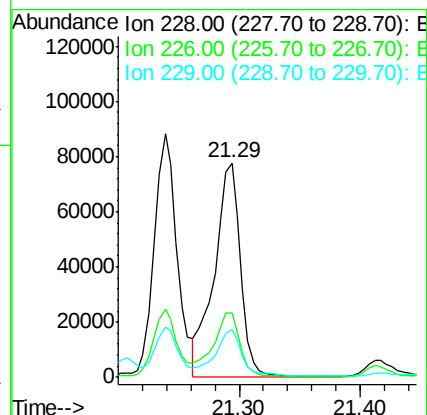
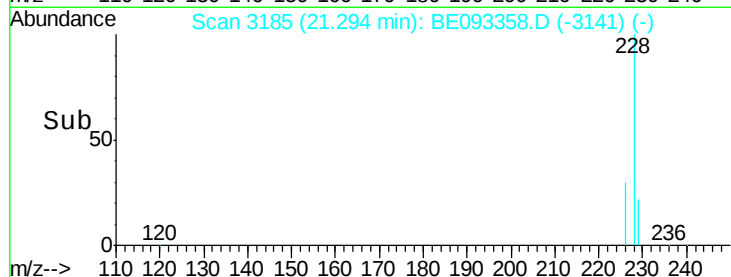
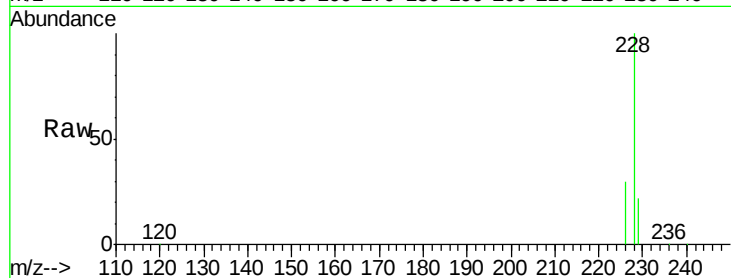
Tgt Ion:228 Resp: 116966

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

229 22.2 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 6.91 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093358.D

Acq: 24 Jun 2017 12:46

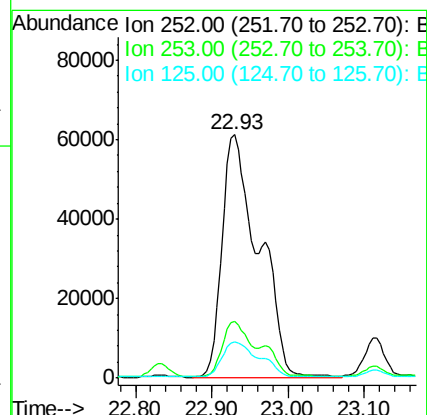
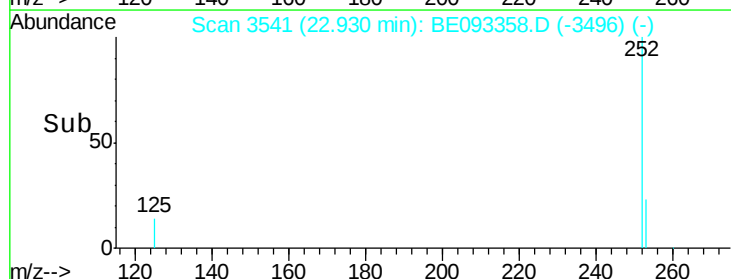
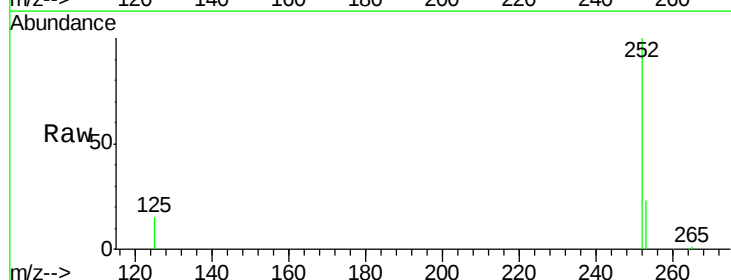
Tgt Ion:252 Resp: 203529

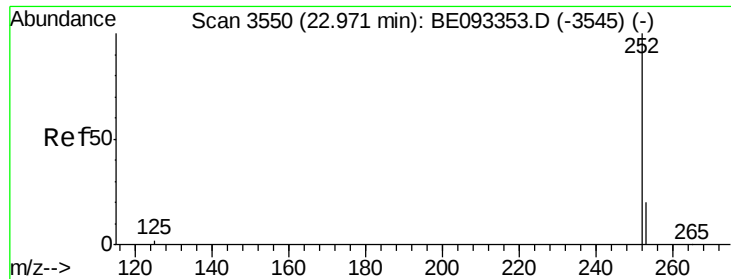
Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

125 14.8 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.55 ng/ul

RT: 23.11 min Scan# 3581

Delta R.T. 0.14 min

Lab File: BE093358.D

Acq: 24 Jun 2017 12:46

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F5D15DL

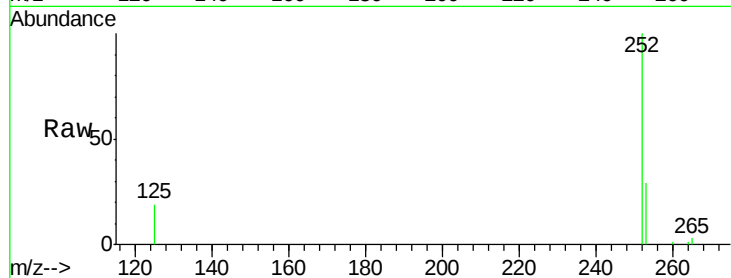
Tgt Ion:252 Resp: 17076

Ion Ratio Lower Upper

252 100

253 28.9 24.5 36.7

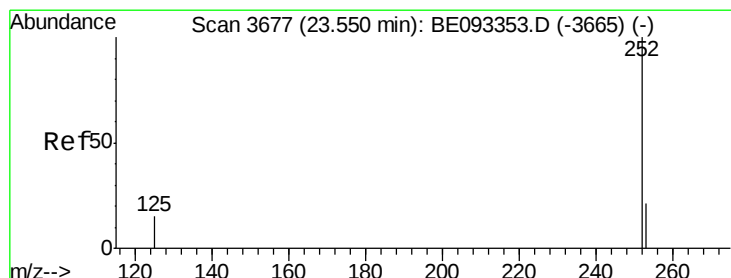
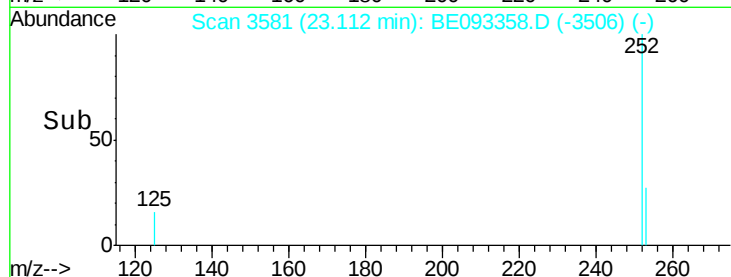
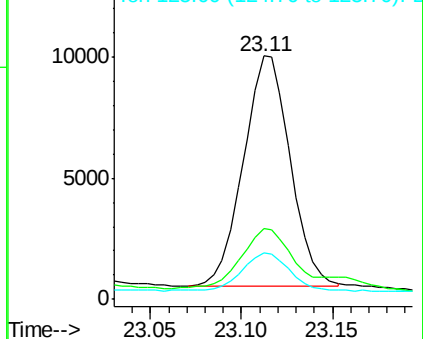
125 19.0 13.7 20.5



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: 3.69 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BE093358.D

Acq: 24 Jun 2017 12:46

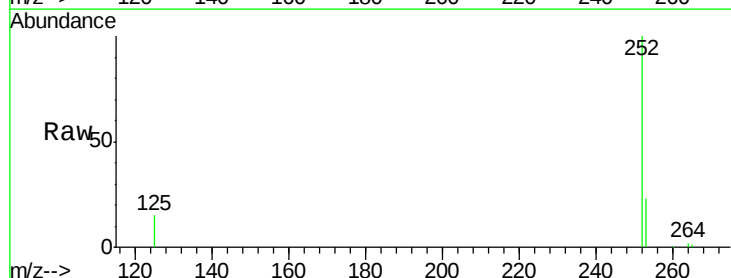
Tgt Ion:252 Resp: 102889

Ion Ratio Lower Upper

252 100

253 23.1 28.5 42.7#

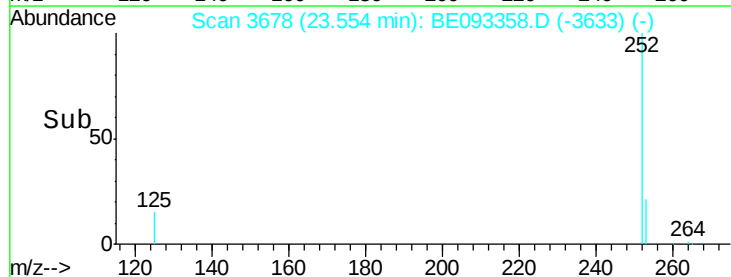
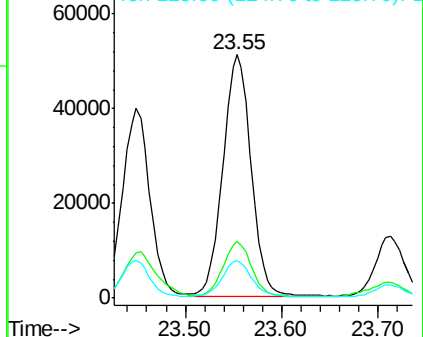
125 15.3 18.1 27.1#

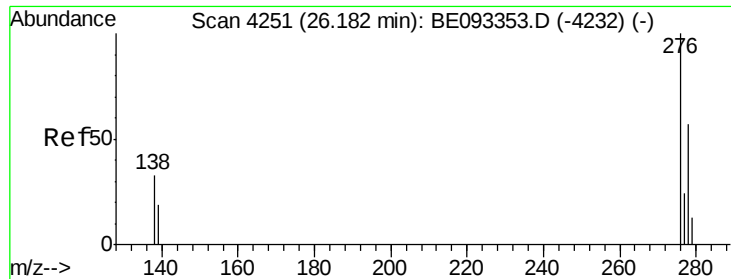


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

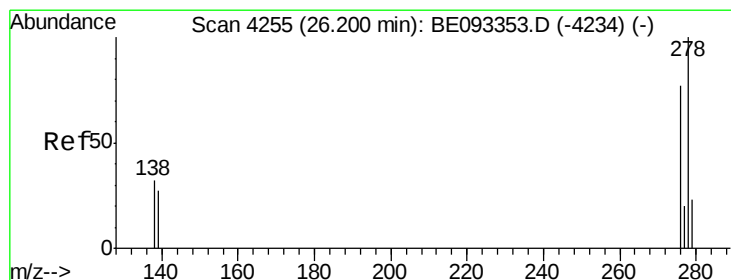
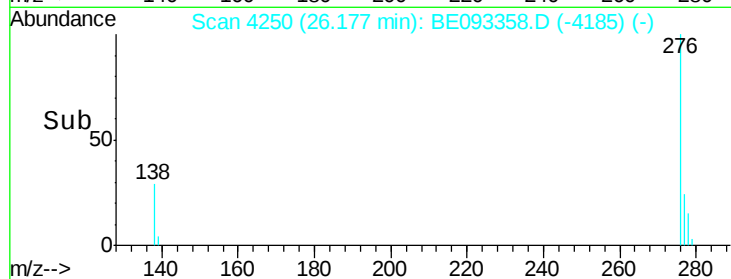
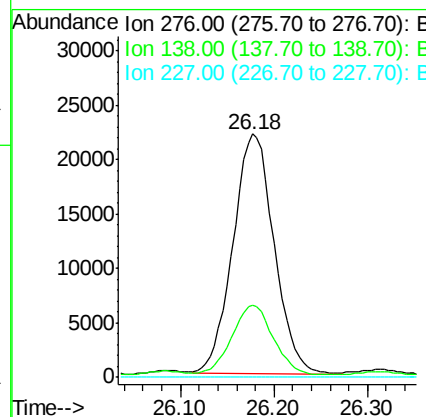
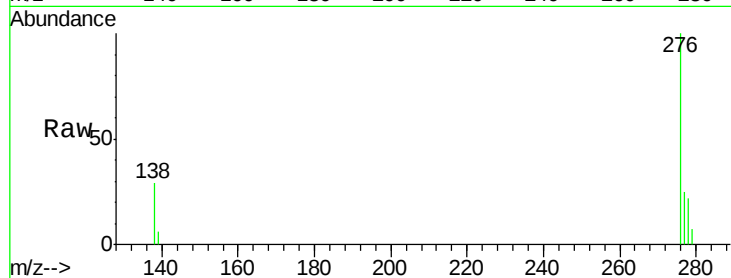




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 2.09 ng/ul
 RT: 26.18 min Scan# 4250
 Delta R.T. -0.01 min
 Lab File: BE093358.D
 Acq: 24 Jun 2017 12:46

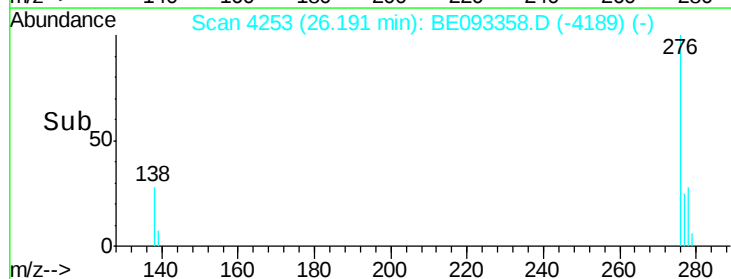
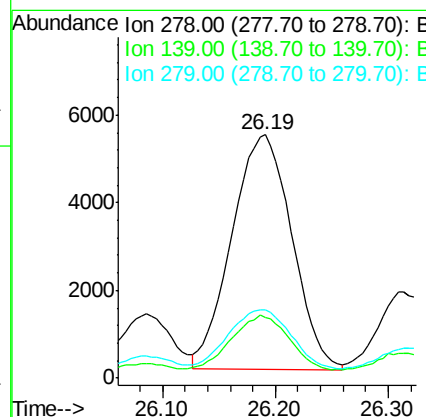
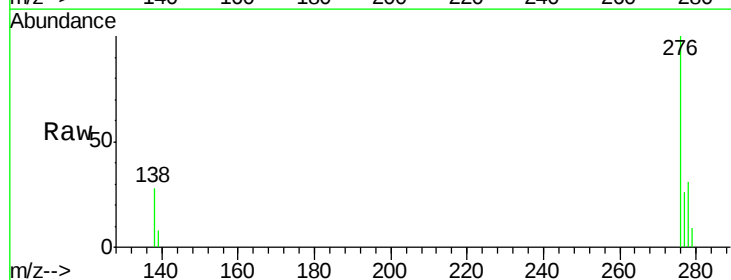
Instrument :
 BNA_E
 ClientSampleId :
 F5D15DL

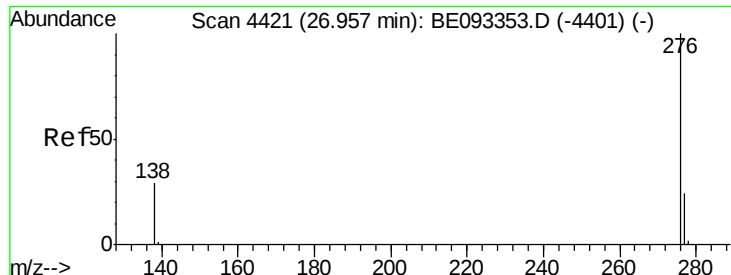
Tgt Ion:276 Resp: 67482
 Ion Ratio Lower Upper
 276 100
 138 29.6 28.0 42.0
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.72 ng/ul
 RT: 26.19 min Scan# 4253
 Delta R.T. -0.01 min
 Lab File: BE093358.D
 Acq: 24 Jun 2017 12:46

Tgt Ion:278 Resp: 19517
 Ion Ratio Lower Upper
 278 100
 139 24.9 17.4 26.0
 279 28.1 25.9 38.9





#26

Benzo(g,h,i)perylene

Concen: 2.08 ng/ul

RT: 26.96 min Scan# 4421

Delta R.T. -0.00 min

Lab File: BE093358.D

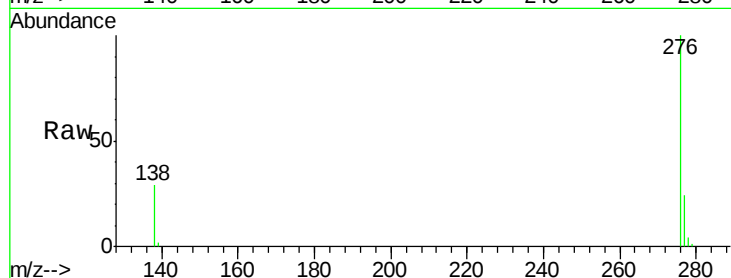
Acq: 24 Jun 2017 12:46

Instrument :

BNA_E

ClientSampleId :

F5D15DL



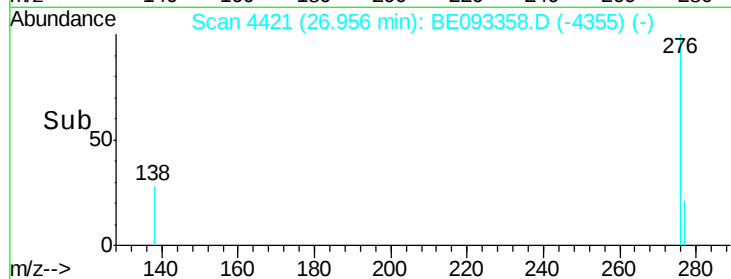
Tgt Ion: 276 Resp: 57477

Ion Ratio Lower Upper

276 100

138 29.1 21.8 32.8

277 24.3 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

