

Data File : BE093342.D
Acq On : 23 Jun 2017 18:20
Operator : SJ/JU
Sample : I3653-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C53

Quant Time: Jun 24 04:29:15 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 24 04:29:07 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1530	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	8184	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5361	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	12459	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	12599	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	546824	0.40	ng/ul	-0.15

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	2630	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	7583	0.22	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.56	128	465160	22.91	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	77770	5.60	ng/ul	99
7) Acenaphthylene	14.08	152	3704	0.16	ng/ul#	94
8) Acenaphthene	14.42	153	52604	2.83	ng/ul	97
9) Fluorene	15.42	166	59349	2.73	ng/ul#	96
12) Phenanthrene	17.14	178	413938	12.07	ng/ul#	90
13) Anthracene	17.22	178	31618	1.06	ng/ul#	91
15) Fluoranthene	19.15	202	191670	4.56	ng/ul	84
17) Pyrene	19.51	202	136519	3.67	ng/ul#	88
18) Benzo(a)anthracene	21.24	228	37304	1.11	ng/ul#	86
19) Chrysene	21.29	228	35218	1.01	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	23750	0.01	ng/ul	88
22) Benzo(k)fluoranthene	22.93	252	33012	0.02	ng/ul#	90

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

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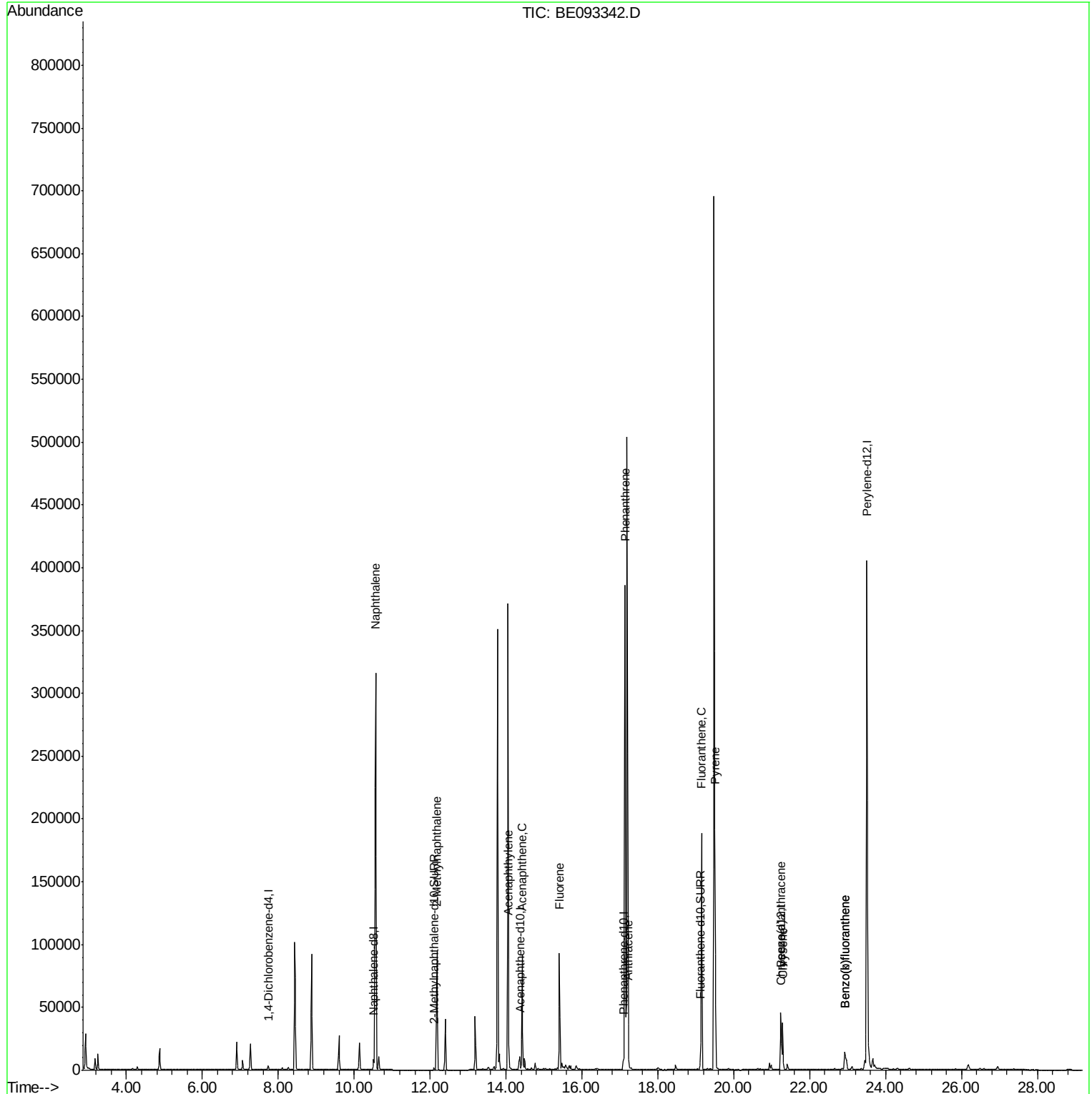
Quant Time: Jun 24 04:29:15 2017

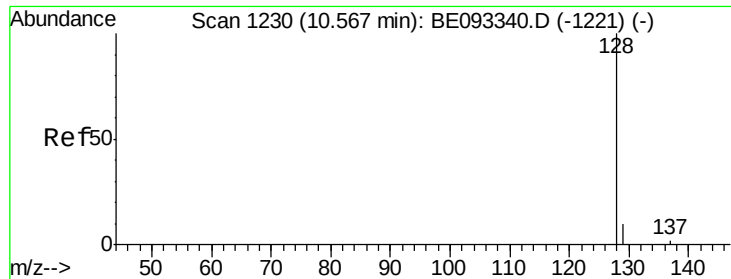
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 22.91 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

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BNA_E

ClientSampleId :

F5C53

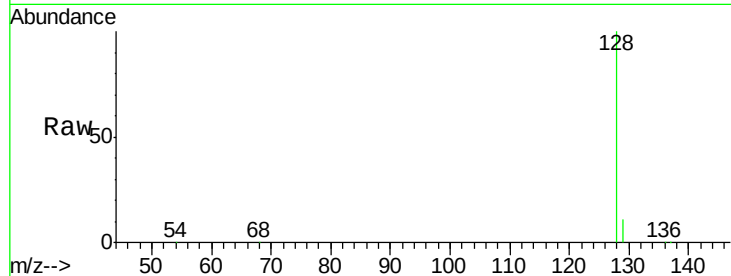
Tgt Ion:128 Resp: 465160

Ion Ratio Lower Upper

128 100

129 11.2 11.3 16.9#

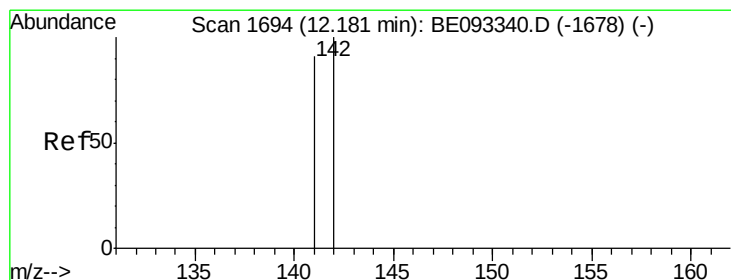
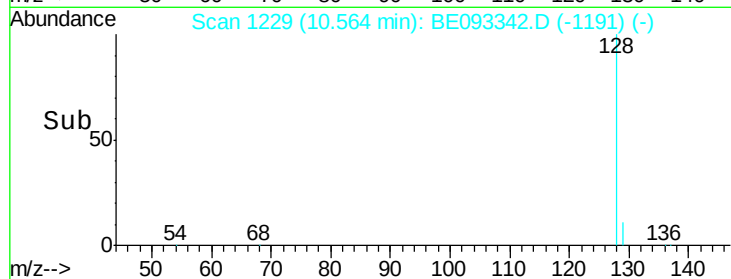
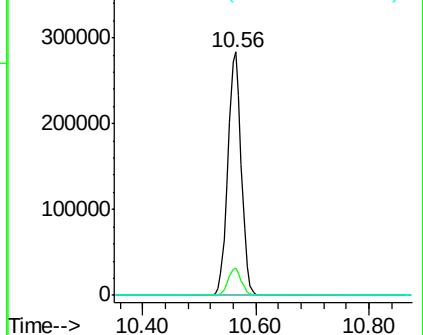
127 0.0 4.0 6.0#



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: 5.60 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BE093342.D

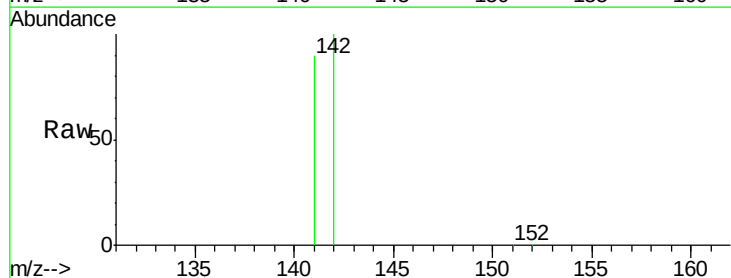
Acq: 23 Jun 2017 18:20

Tgt Ion:142 Resp: 77770

Ion Ratio Lower Upper

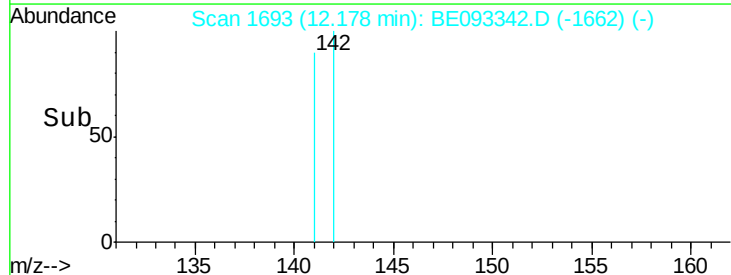
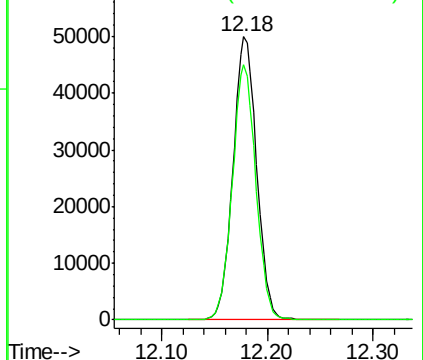
142 100

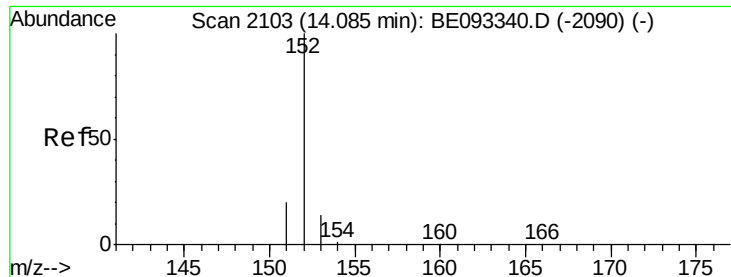
141 89.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.16 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.01 min

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Acq: 23 Jun 2017 18:20

Instrument :

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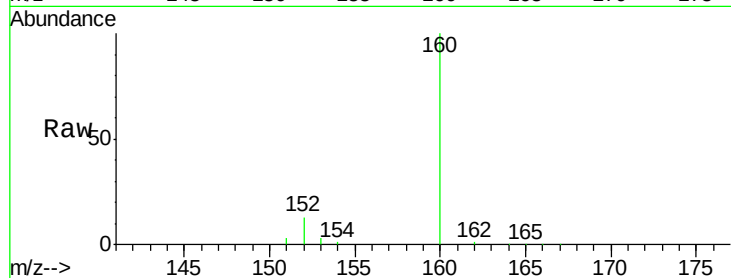
Tgt Ion:152 Resp: 3704

Ion Ratio Lower Upper

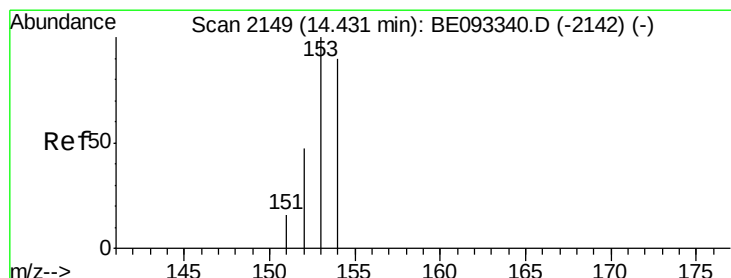
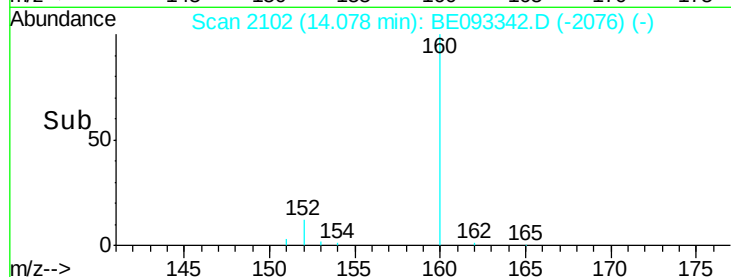
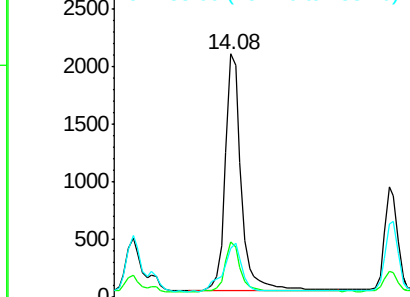
152 100

151 22.8 17.1 25.7

153 20.3 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: 2.83 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BE093342.D

Acq: 23 Jun 2017 18:20

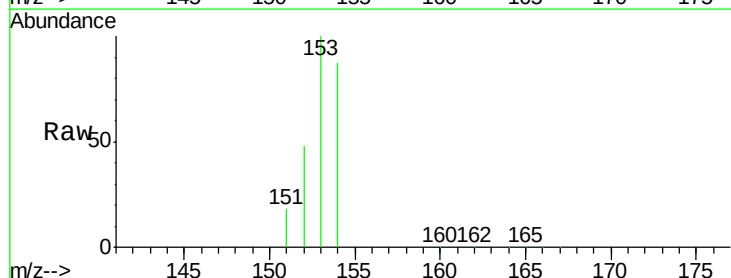
Tgt Ion:153 Resp: 52604

Ion Ratio Lower Upper

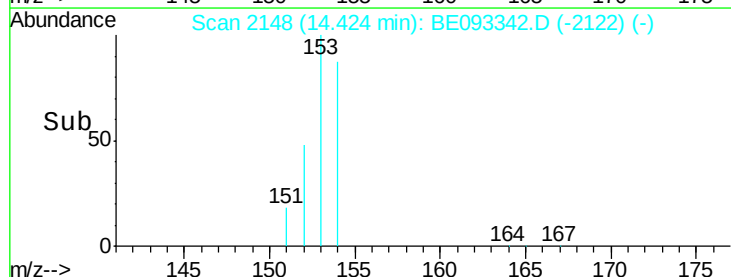
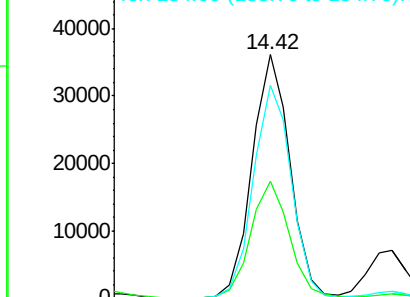
153 100

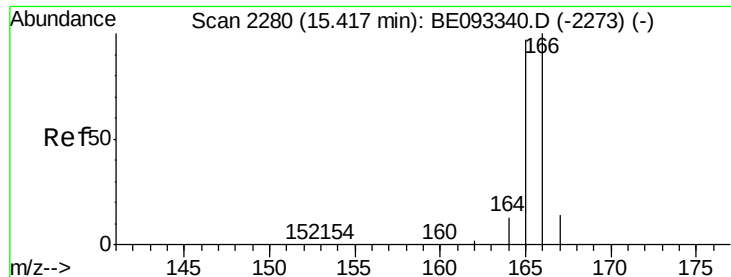
152 48.0 40.3 60.5

154 87.3 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: 2.73 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE093342.D

Acq: 23 Jun 2017 18:20

Instrument :

BNA_E

ClientSampleId :

F5C53

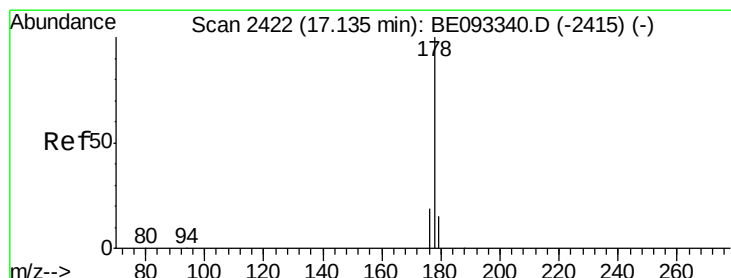
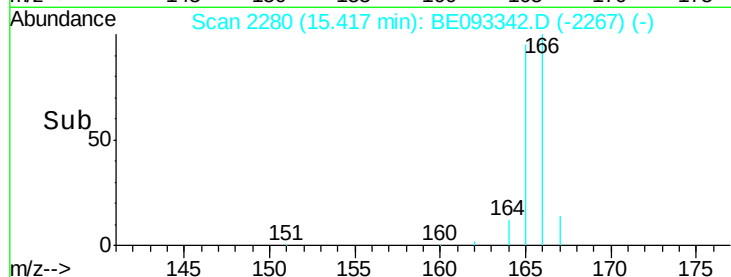
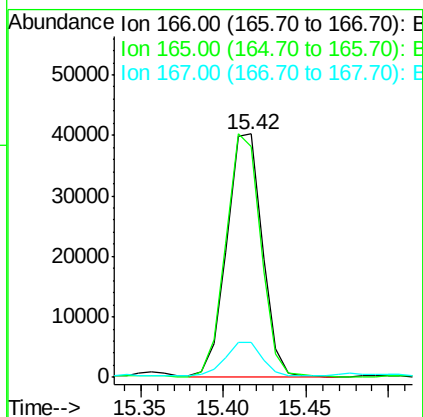
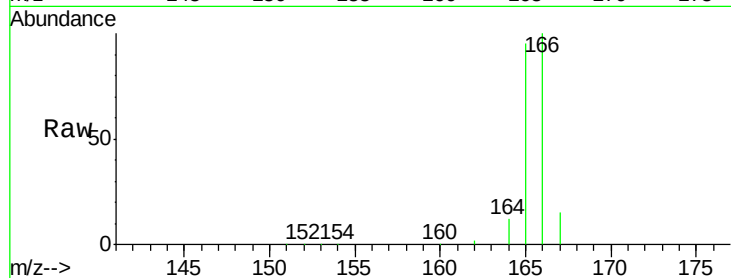
Tgt Ion:166 Resp: 59349

Ion Ratio Lower Upper

166 100

165 95.0 73.4 110.2

167 14.6 14.6 22.0#



#12

Phenanthrene

Concen: 12.07 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093342.D

Acq: 23 Jun 2017 18:20

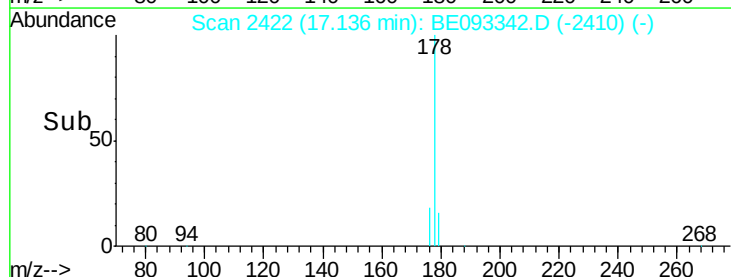
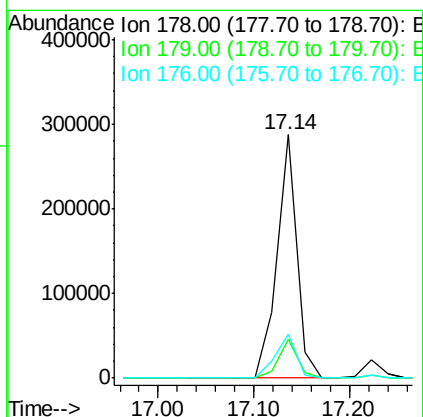
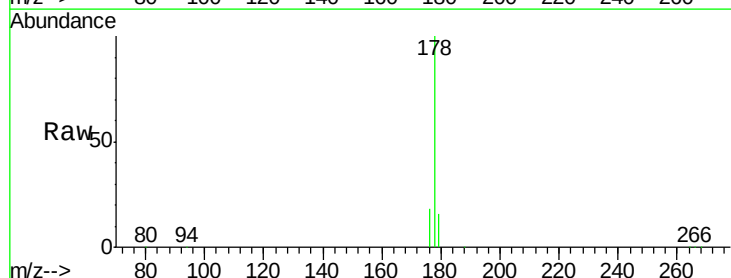
Tgt Ion:178 Resp: 413938

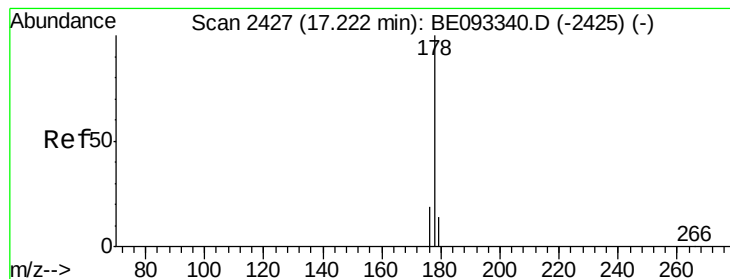
Ion Ratio Lower Upper

178 100

179 15.7 18.4 27.6#

176 18.2 13.6 20.4





#13

Anthracene

Concen: 1.06 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093342.D

Acq: 23 Jun 2017 18:20

Instrument :

BNA_E

ClientSampleId :

F5C53

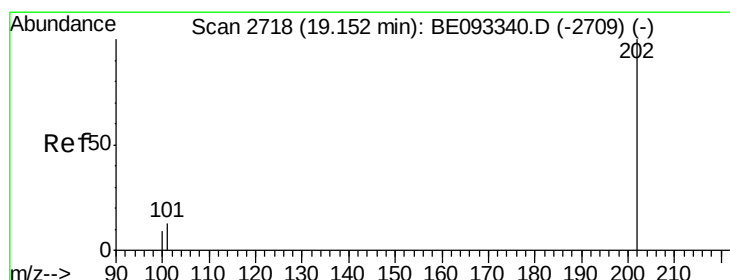
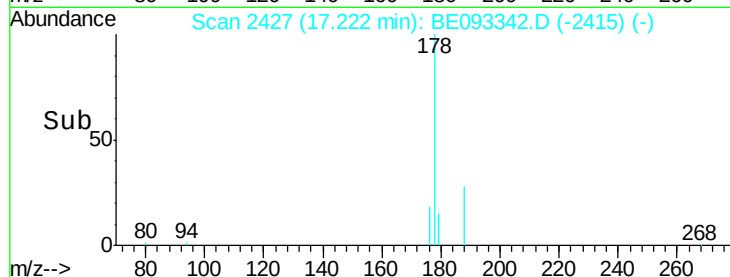
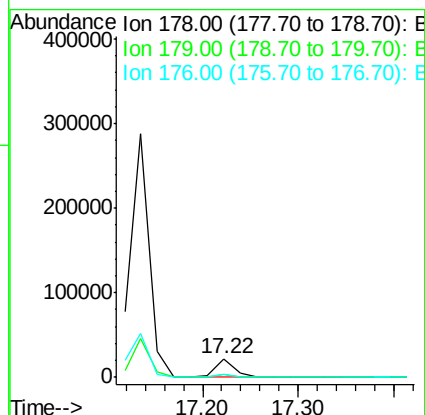
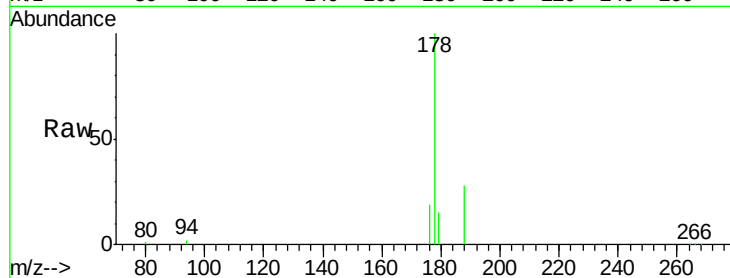
Tgt Ion:178 Resp: 31618

Ion Ratio Lower Upper

178 100

179 15.2 18.1 27.1#

176 18.7 14.7 22.1



#15

Fluoranthene

Concen: 4.56 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093342.D

Acq: 23 Jun 2017 18:20

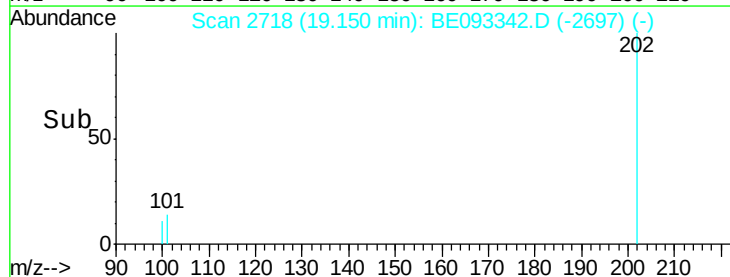
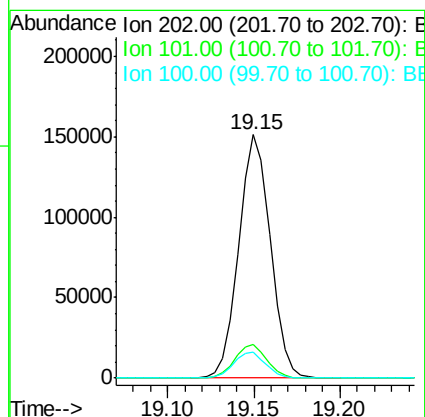
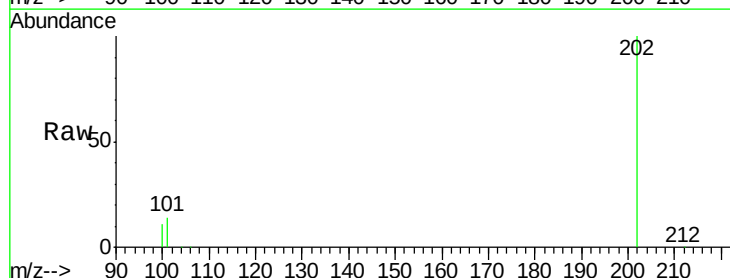
Tgt Ion:202 Resp: 191670

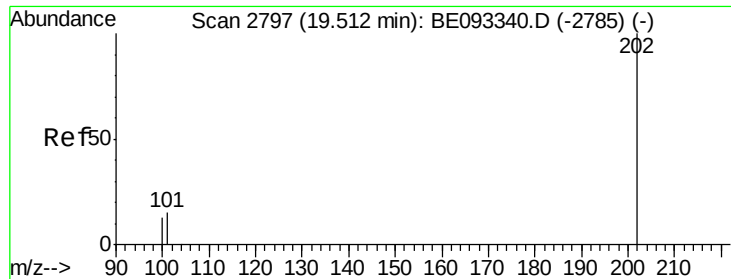
Ion Ratio Lower Upper

202 100

101 14.0 0.0 30.3

100 10.6 0.0 39.5

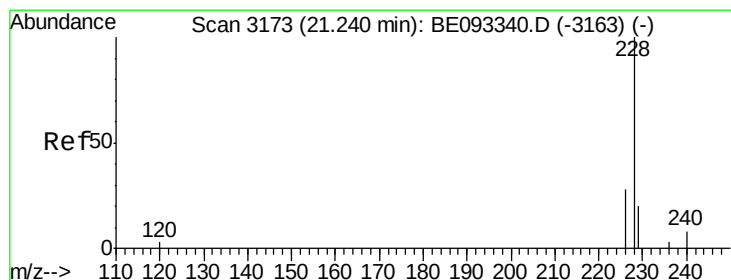
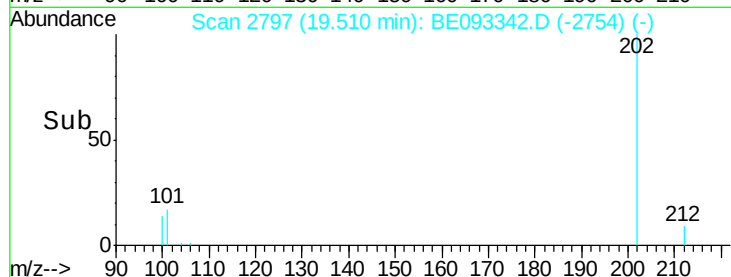
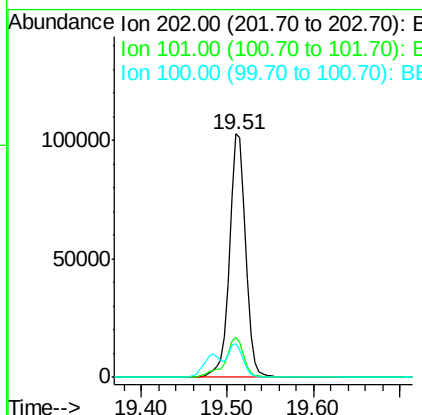
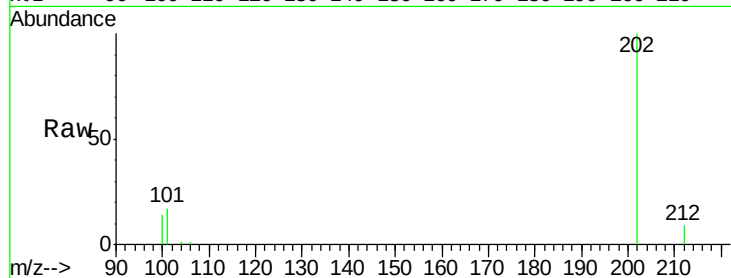




#17
Pyrene
 Concen: 3.67 ng/ul
 RT: 19.51 min Scan# 2797
 Delta R.T. -0.00 min
 Lab File: BE093342.D
 Acq: 23 Jun 2017 18:20

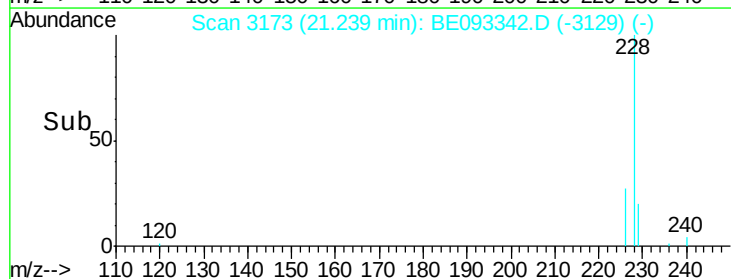
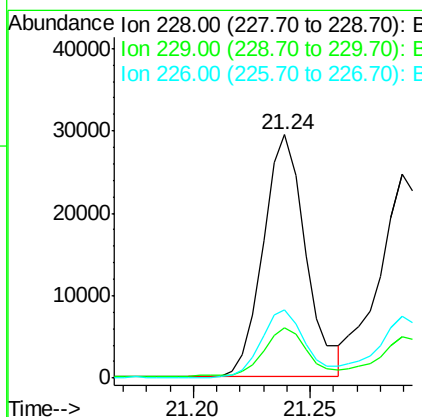
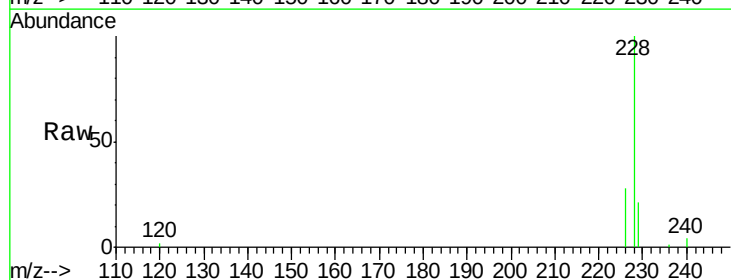
Instrument :
 BNA_E
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 F5C53

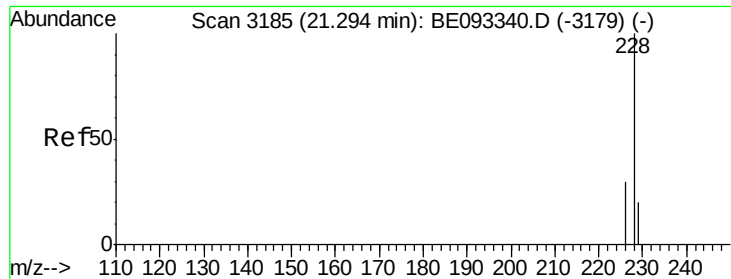
Tgt Ion: 202 Resp: 136519
 Ion Ratio Lower Upper
 202 100
 101 16.7 18.2 27.4#
 100 13.9 15.6 23.4#



#18
Benzo(a)anthracene
 Concen: 1.11 ng/ul
 RT: 21.24 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: BE093342.D
 Acq: 23 Jun 2017 18:20

Tgt Ion: 228 Resp: 37304
 Ion Ratio Lower Upper
 228 100
 229 20.6 22.8 34.2#
 226 27.8 17.0 25.6#





#19

Chrysene

Concen: 1.01 ng/ul

RT: 21.29 min Scan# 3184

Delta R.T. -0.01 min

Lab File: BE093342.D

Acq: 23 Jun 2017 18:20

Instrument :

BNA_E

ClientSampleId :

F5C53

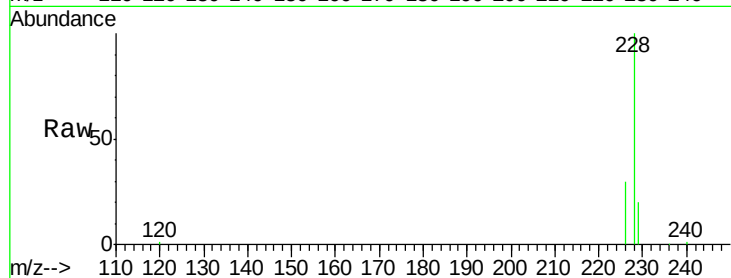
Tgt Ion:228 Resp: 35218

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

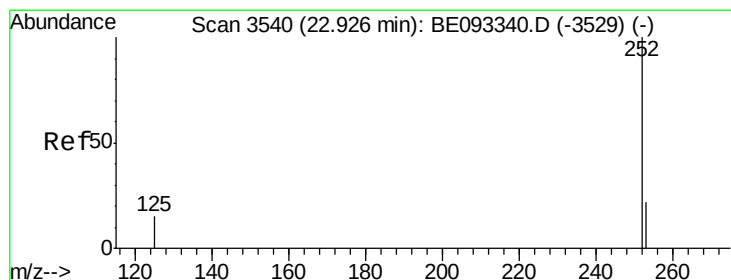
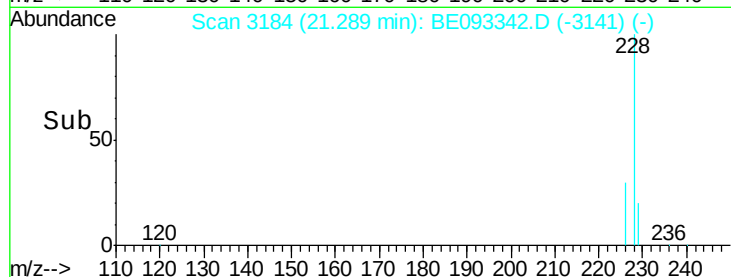
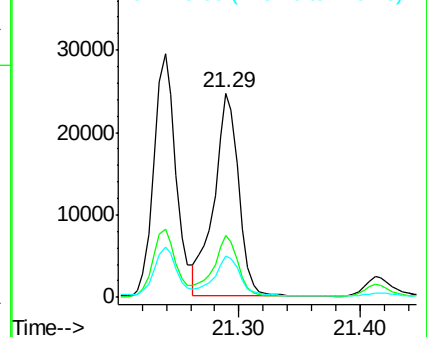
229 20.4 17.7 26.5



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: 0.01 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093342.D

Acq: 23 Jun 2017 18:20

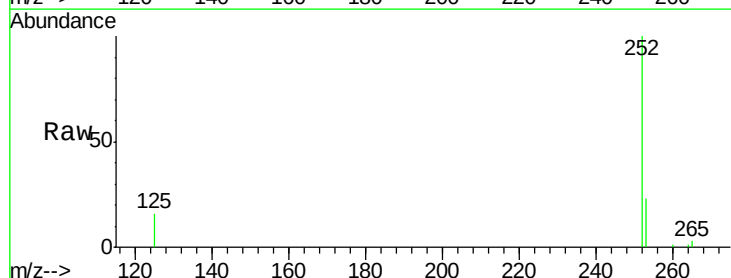
Tgt Ion:252 Resp: 23750

Ion Ratio Lower Upper

252 100

253 23.1 0.0 64.2

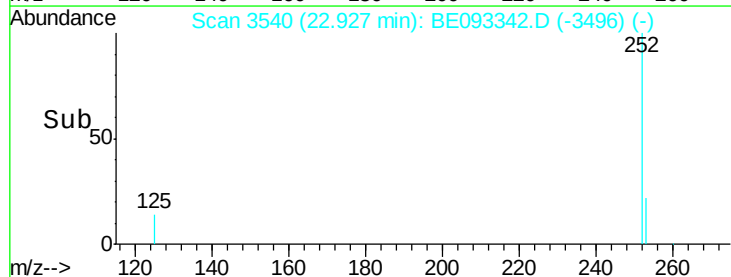
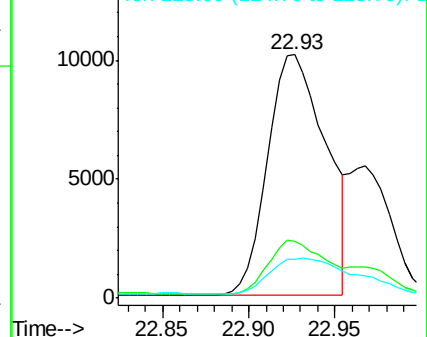
125 16.1 0.0 35.0

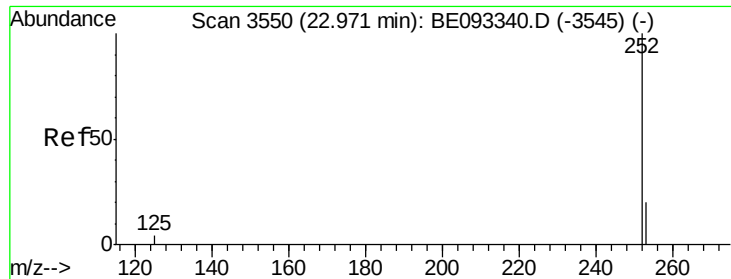


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. -0.04 min

Lab File: BE093342.D

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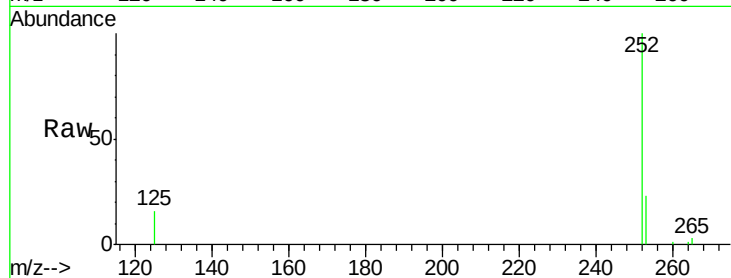
Tgt Ion: 252 Resp: 33012

Ion Ratio Lower Upper

252 100

253 23.1 24.5 36.7#

125 16.1 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

