

Data File : BE093368.D
Acq On : 24 Jun 2017 18:59
Operator : SJ/JU
Sample : I3627-03DL 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A09DL

Quant Time: Jun 26 01:58:19 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 01:58:03 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1506	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	8021	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4802	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	12307	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13536	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11167	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	591	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1744	0.05	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.56	128	6011	0.30	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	1043	0.08	ng/ul	100
7) Acenaphthylene	14.08	152	10864	0.53	ng/ul	97
8) Acenaphthene	14.42	153	1558	0.09	ng/ul	98
9) Fluorene	15.41	166	2919	0.15	ng/ul	92
12) Phenanthrene	17.14	178	22501	0.66	ng/ul#	90
13) Anthracene	17.22	178	13420	0.46	ng/ul#	90
15) Fluoranthene	19.15	202	56159	1.35	ng/ul	84
17) Pyrene	19.51	202	96531	2.42	ng/ul#	88
18) Benzo(a)anthracene	21.24	228	59747	1.65	ng/ul#	85
19) Chrysene	21.29	228	82944	2.21	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	188432	5.56	ng/ul	86
22) Benzo(k)fluoranthene	23.11	252	19267	0.54	ng/ul	92
23) Benzo(a)pyrene	23.56	252	81539	2.54	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.18	276	52833	1.42	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.09	278	2316	0.07	ng/ul	92
26) Benzo(g,h,i)perylene	26.96	276	38875	1.22	ng/ul	96

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

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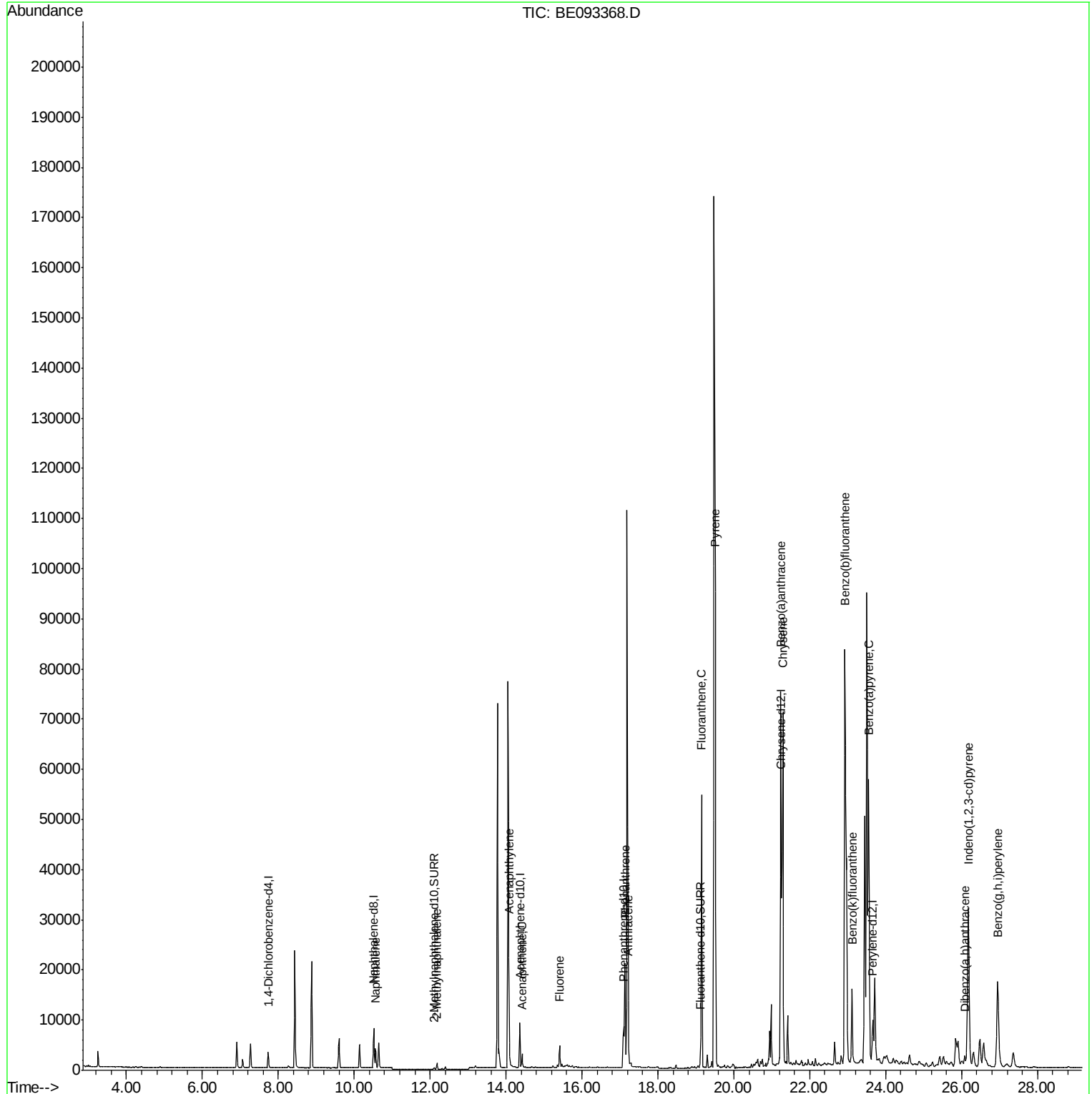
Quant Time: Jun 26 01:58:19 2017

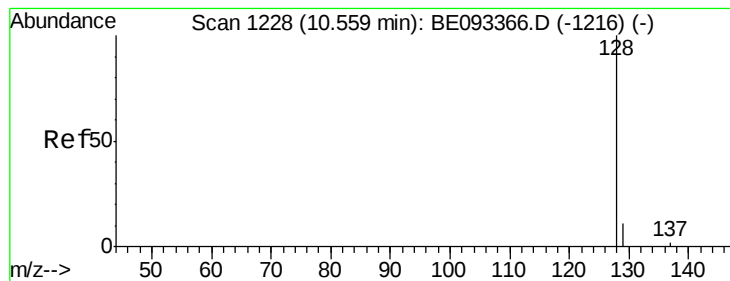
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 26 01:58:03 2017

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#3

Naphthalene

Concen: 0.30 ng/ul

RT: 10.56 min Scan# 1228

Delta R.T. 0.00 min

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Instrument :

BNA_E

ClientSampleId :

F5A09DL

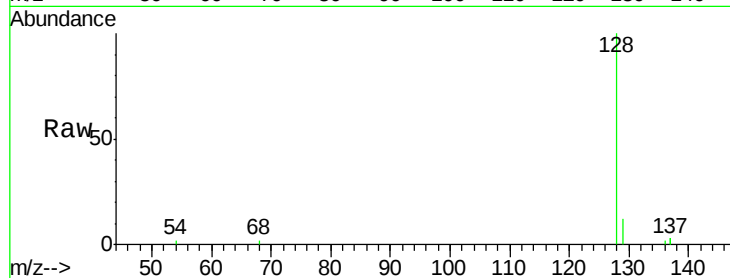
Tgt Ion:128 Resp: 6011

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

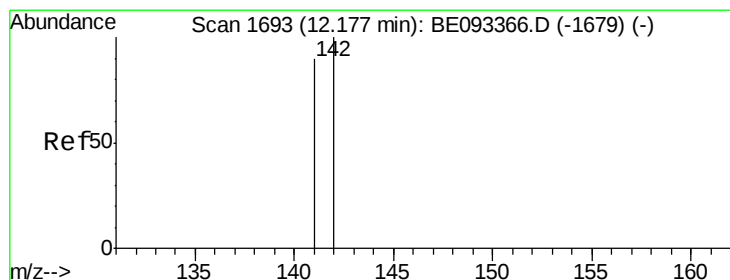
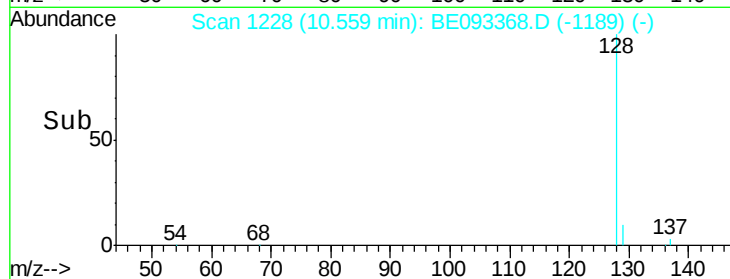
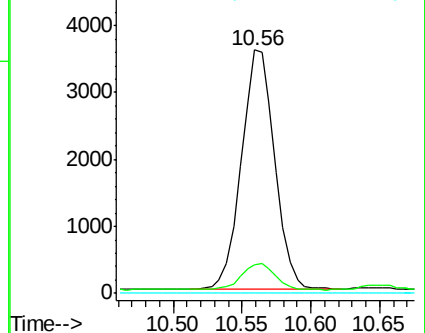
127 0.0 4.0 6.0#



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: 0.08 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. 0.00 min

Lab File: BE093368.D

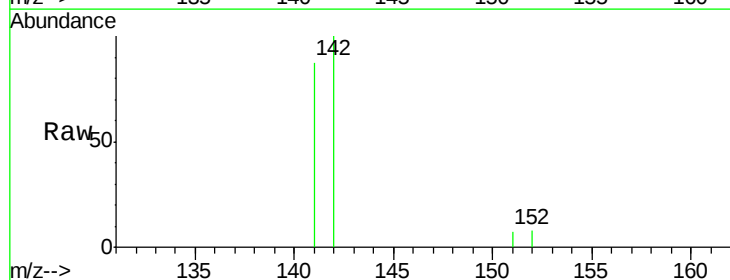
Acq: 24 Jun 2017 18:59

Tgt Ion:142 Resp: 1043

Ion Ratio Lower Upper

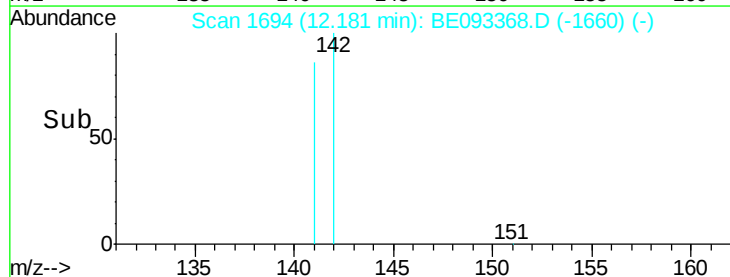
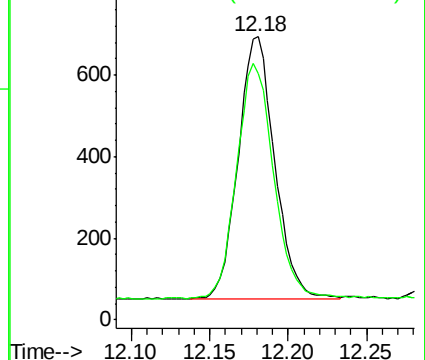
142 100

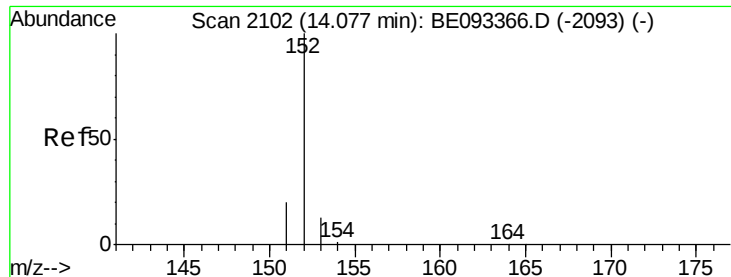
141 91.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.53 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BE093368.D

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Instrument :

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ClientSampleId :

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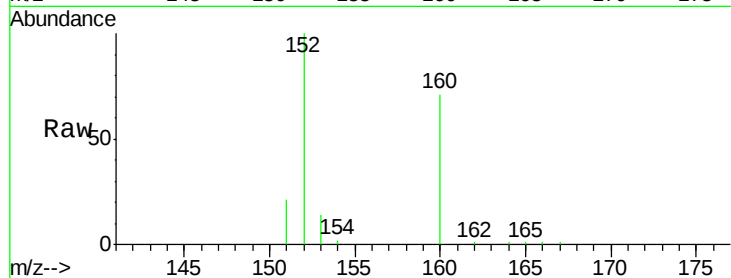
Tgt Ion:152 Resp: 10864

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

153 13.7 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

14.08

6000

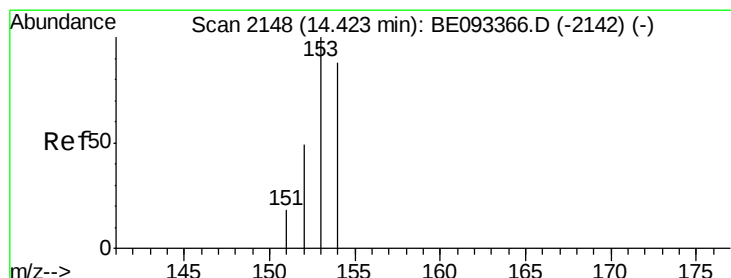
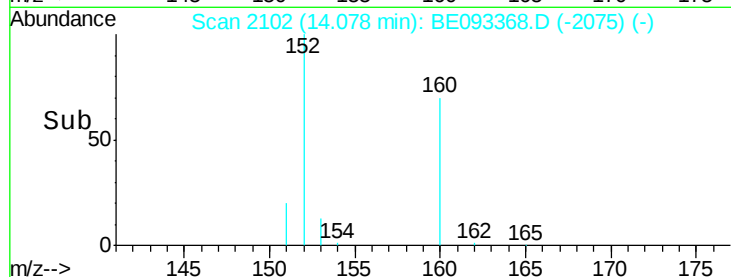
4000

2000

0

Time-->

14.00 14.20



#8

Acenaphthene

Concen: 0.09 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. 0.00 min

Lab File: BE093368.D

Acq: 24 Jun 2017 18:59

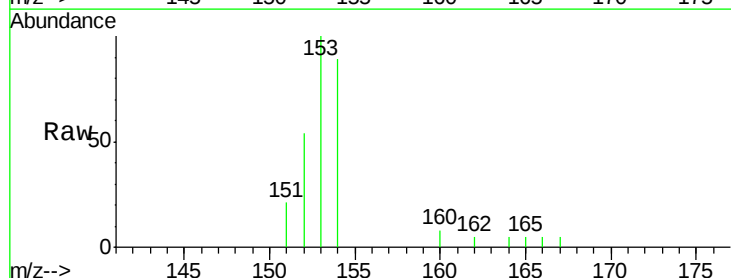
Tgt Ion:153 Resp: 1558

Ion Ratio Lower Upper

153 100

152 54.3 40.3 60.5

154 88.7 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

14.42

1500

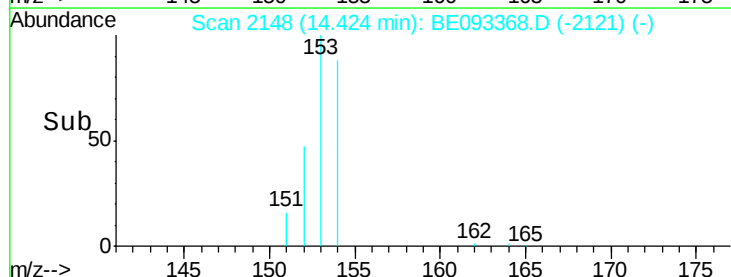
1000

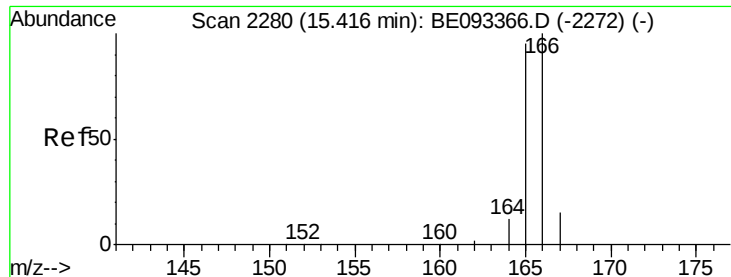
500

0

Time-->

14.35 14.40 14.45





#9

Fluorene

Concen: 0.15 ng/ul

RT: 15.41 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BE093368.D

Acq: 24 Jun 2017 18:59

Instrument :

BNA_E

ClientSampleId :

F5A09DL

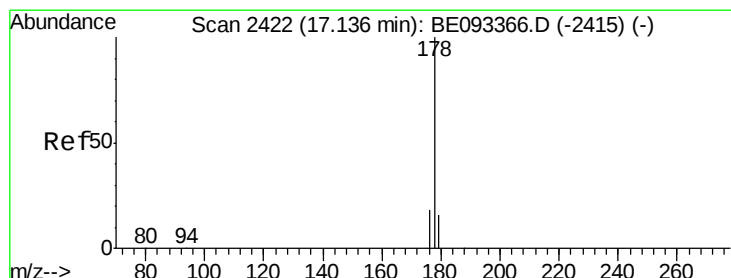
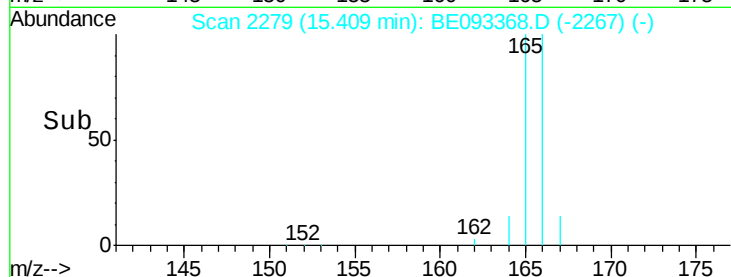
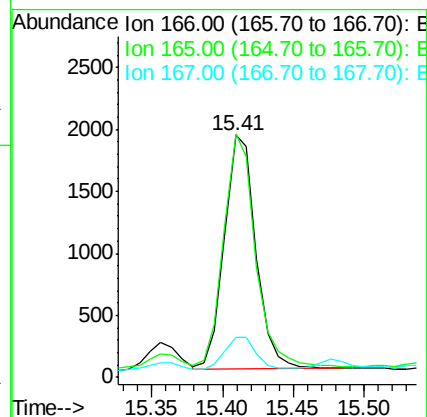
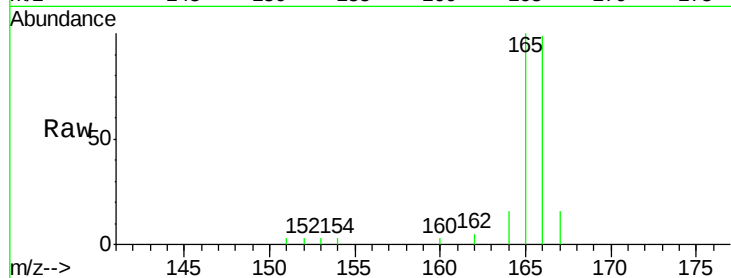
Tgt Ion:166 Resp: 2919

Ion Ratio Lower Upper

166 100

165 100.5 73.4 110.2

167 16.6 14.6 22.0



#12

Phenanthrene

Concen: 0.66 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093368.D

Acq: 24 Jun 2017 18:59

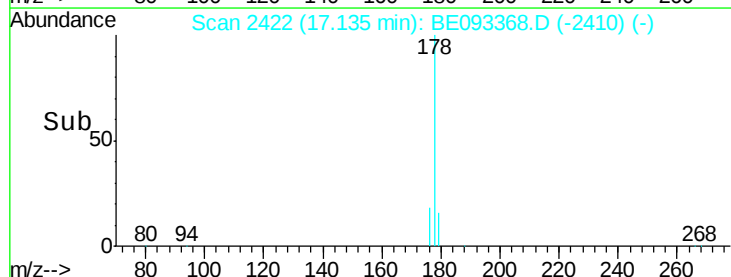
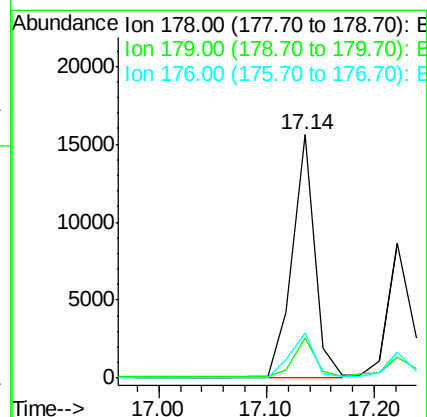
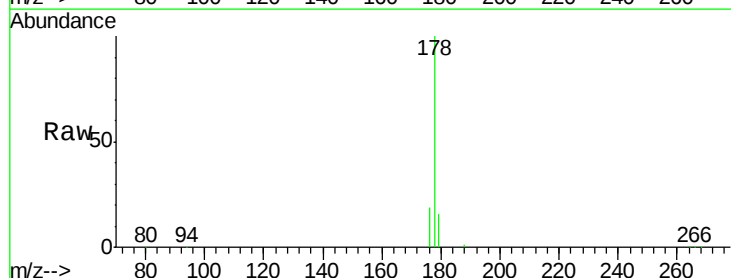
Tgt Ion:178 Resp: 22501

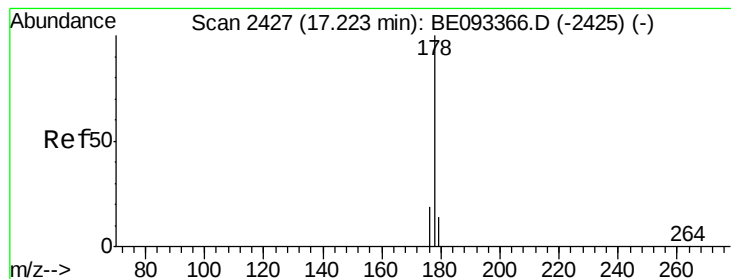
Ion Ratio Lower Upper

178 100

179 16.2 18.4 27.6#

176 18.5 13.6 20.4





#13

Anthracene

Concen: 0.46 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093368.D

Acq: 24 Jun 2017 18:59

Instrument :

BNA_E

ClientSampleId :

F5A09DL

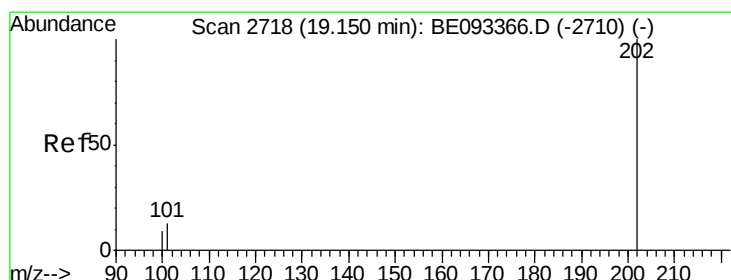
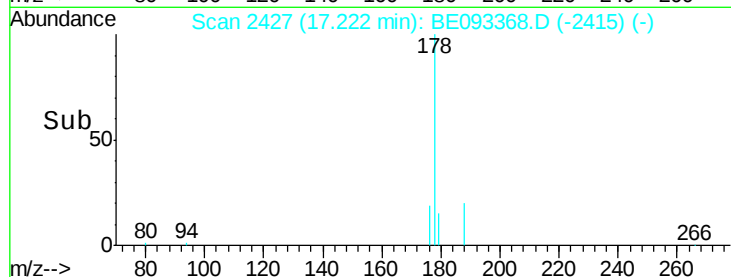
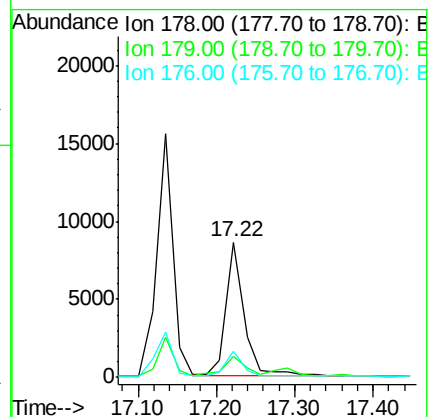
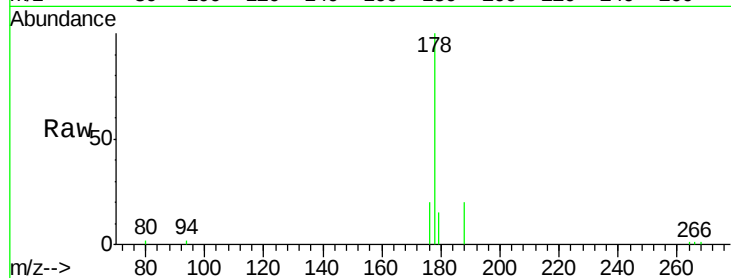
Tgt Ion:178 Resp: 13420

Ion Ratio Lower Upper

178 100

179 15.3 18.1 27.1#

176 19.6 14.7 22.1



#15

Fluoranthene

Concen: 1.35 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093368.D

Acq: 24 Jun 2017 18:59

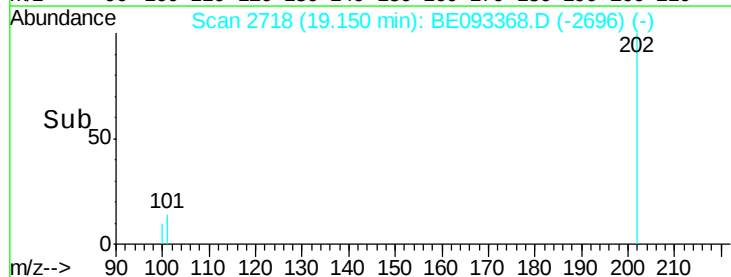
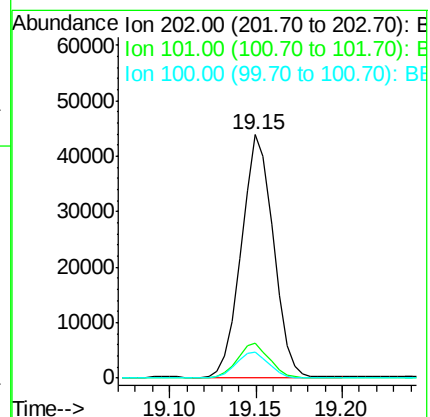
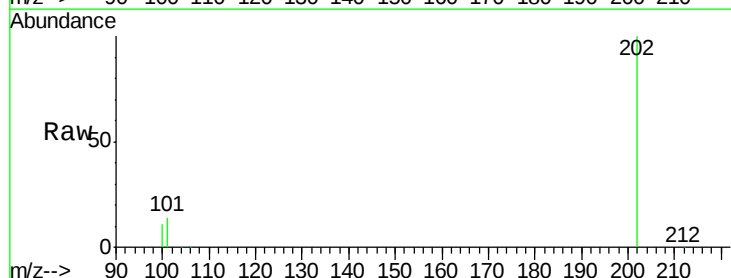
Tgt Ion:202 Resp: 56159

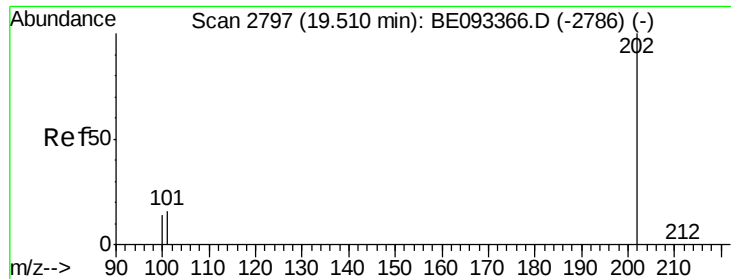
Ion Ratio Lower Upper

202 100

101 14.2 0.0 30.3

100 10.6 0.0 39.5





#17

Pyrene

Concen: 2.42 ng/ul

RT: 19.51 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BE093368.D

Acq: 24 Jun 2017 18:59

Instrument :

BNA_E

ClientSampleId :

F5A09DL

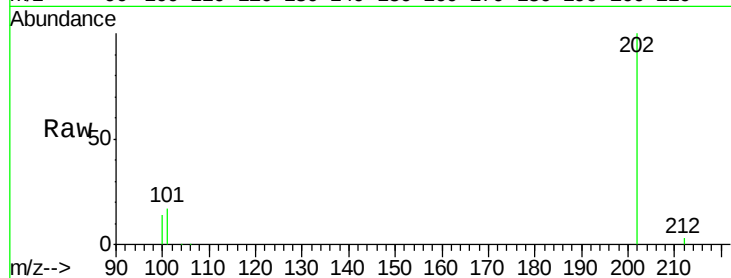
Tgt Ion:202 Resp: 96531

Ion Ratio Lower Upper

202 100

101 17.1 18.2 27.4#

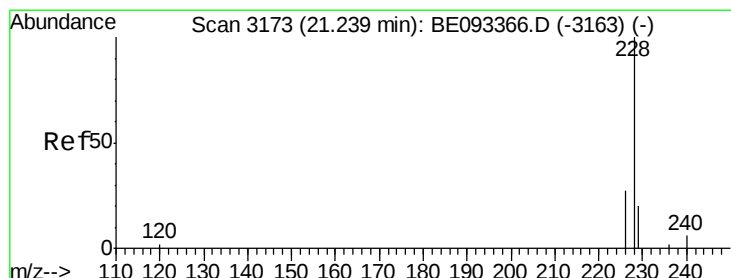
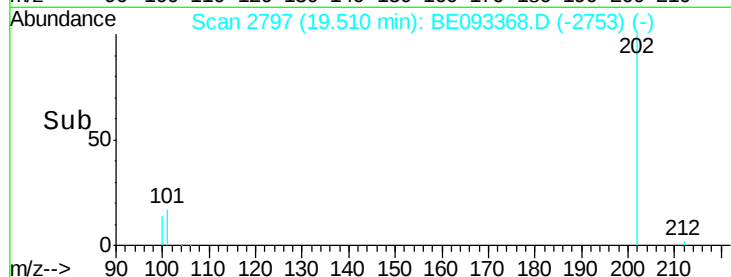
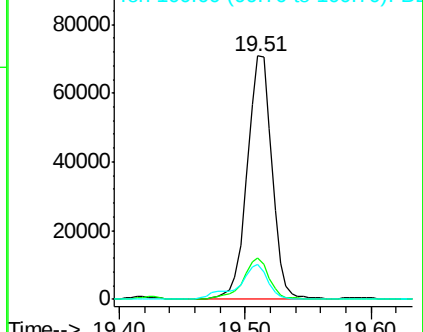
100 14.3 15.6 23.4#



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: 1.65 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE093368.D

Acq: 24 Jun 2017 18:59

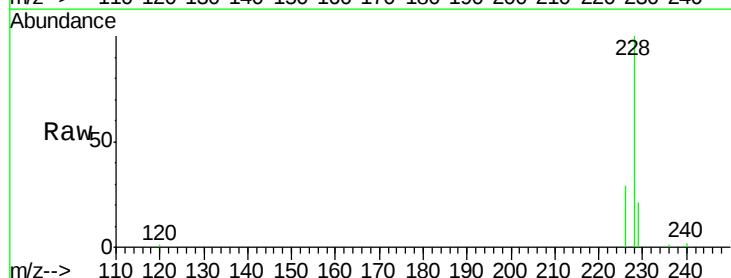
Tgt Ion:228 Resp: 59747

Ion Ratio Lower Upper

228 100

229 21.1 22.8 34.2#

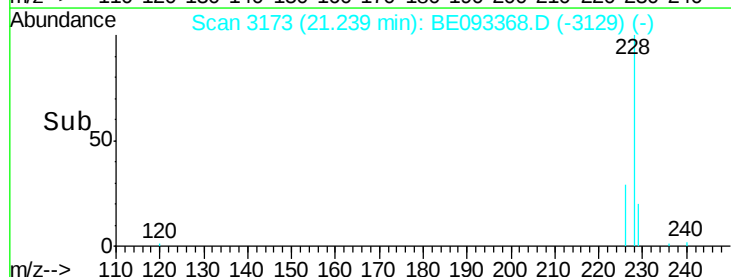
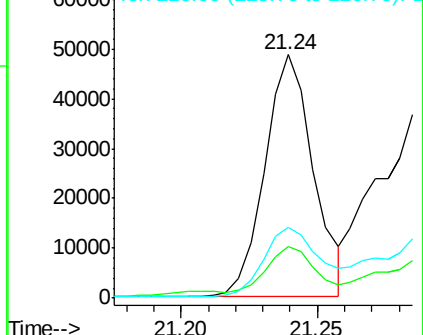
226 29.2 17.0 25.6#

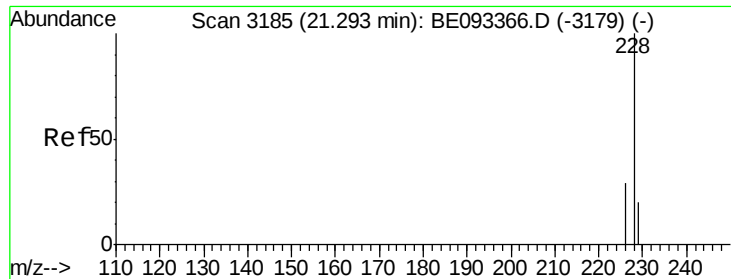


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.21 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. 0.00 min

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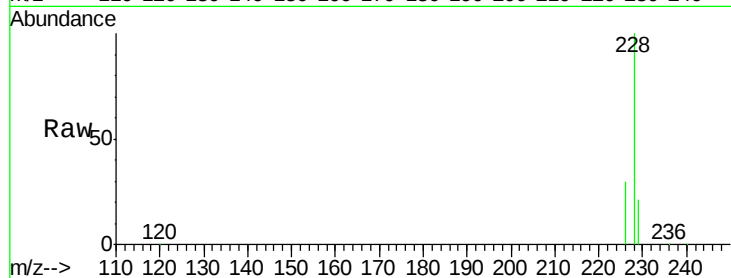
Tgt Ion:228 Resp: 82944

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

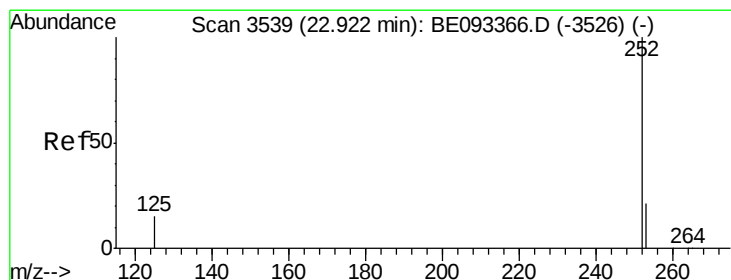
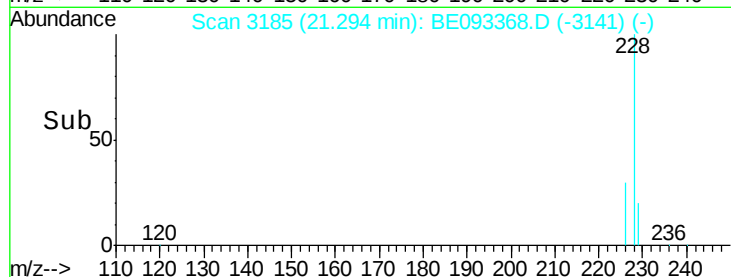
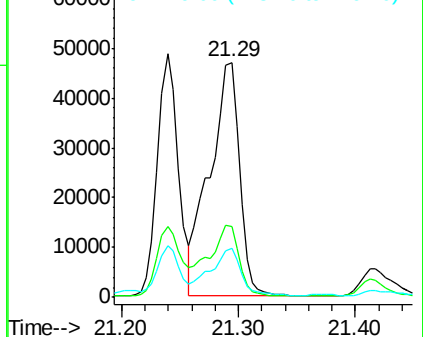
229 20.8 17.7 26.5



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: 5.56 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093368.D

Acq: 24 Jun 2017 18:59

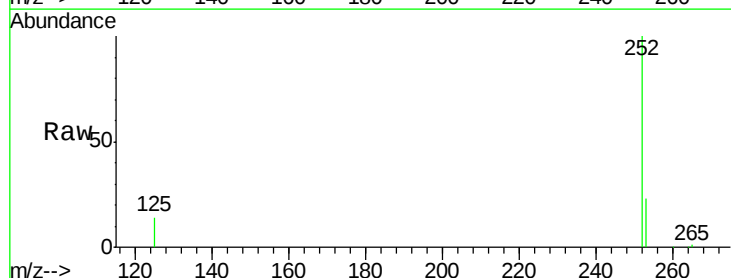
Tgt Ion:252 Resp: 188432

Ion Ratio Lower Upper

252 100

253 22.5 0.0 64.2

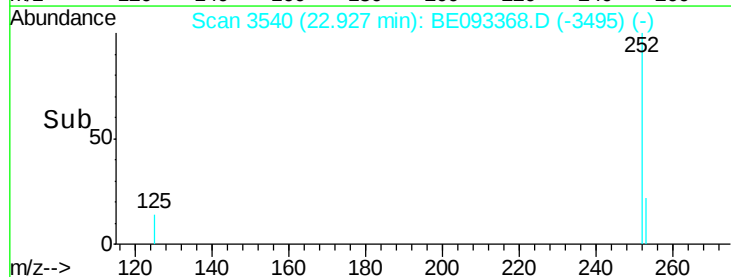
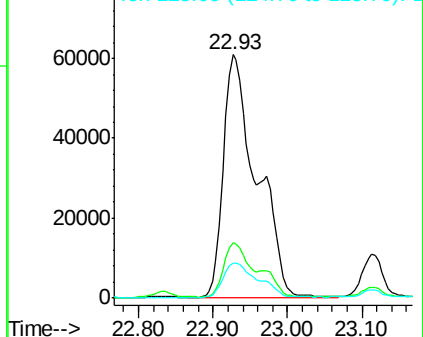
125 14.4 0.0 35.0

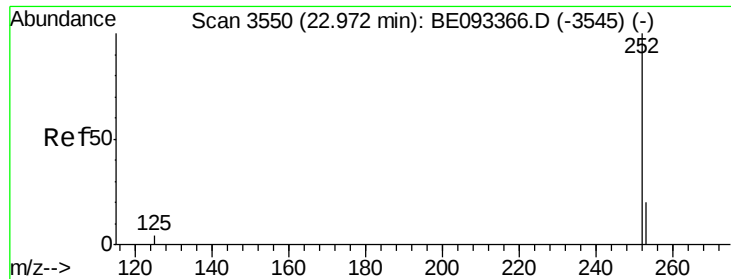


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.54 ng/ul

RT: 23.11 min Scan# 3581

Delta R.T. 0.14 min

Lab File: BE093368.D

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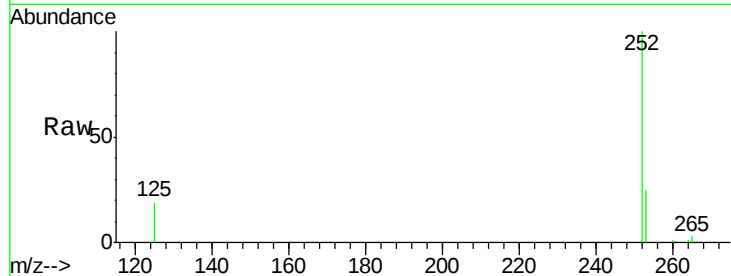
Tgt Ion:252 Resp: 19267

Ion Ratio Lower Upper

252 100

253 24.7 24.5 36.7

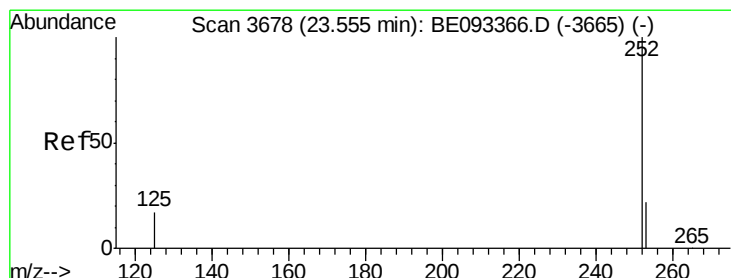
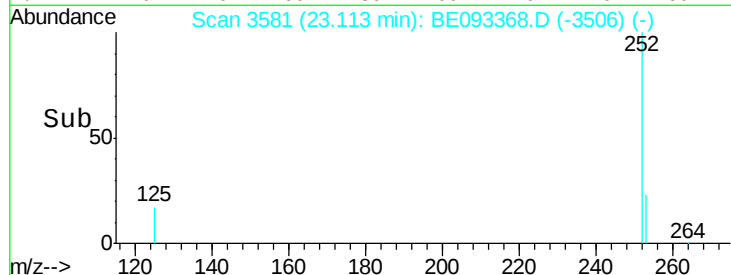
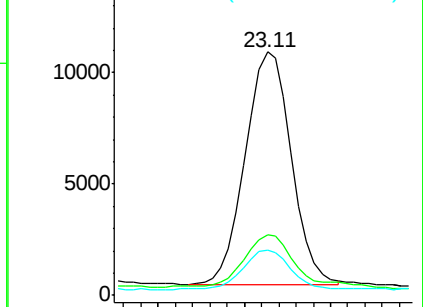
125 18.5 13.7 20.5



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: 2.54 ng/ul

RT: 23.56 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BE093368.D

Acq: 24 Jun 2017 18:59

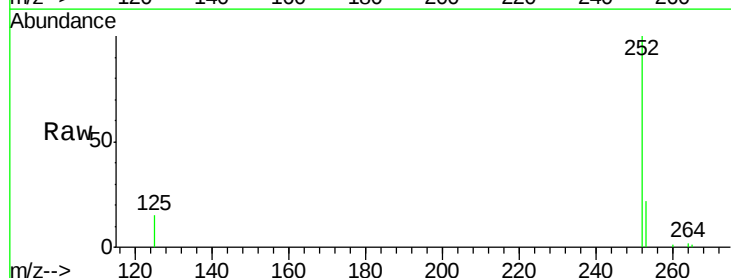
Tgt Ion:252 Resp: 81539

Ion Ratio Lower Upper

252 100

253 22.5 28.5 42.7#

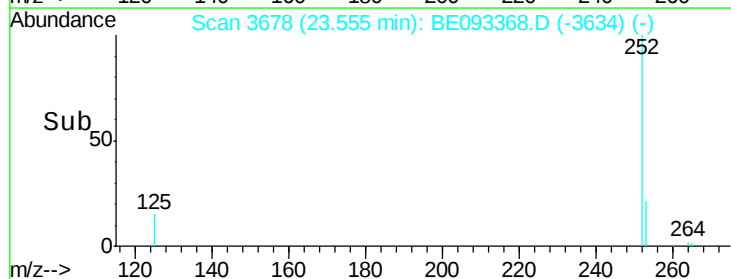
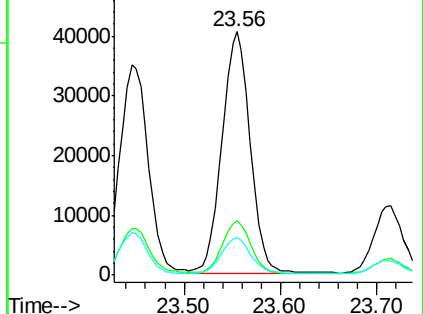
125 15.2 18.1 27.1#

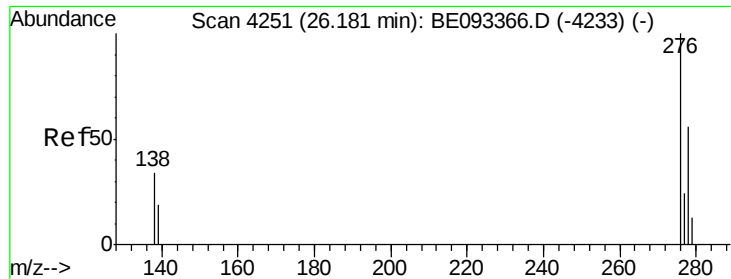


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.42 ng/ul

RT: 26.18 min Scan# 4251

Delta R.T. 0.00 min

Lab File: BE093368.D

Acq: 24 Jun 2017 18:59

Instrument :

BNA_E

ClientSampleId :

F5A09DL

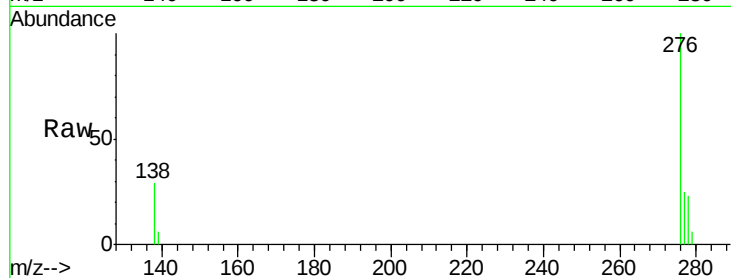
Tgt Ion:276 Resp: 52833

Ion Ratio Lower Upper

276 100

138 29.6 28.0 42.0

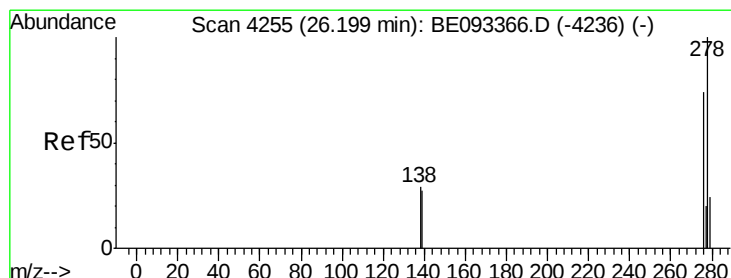
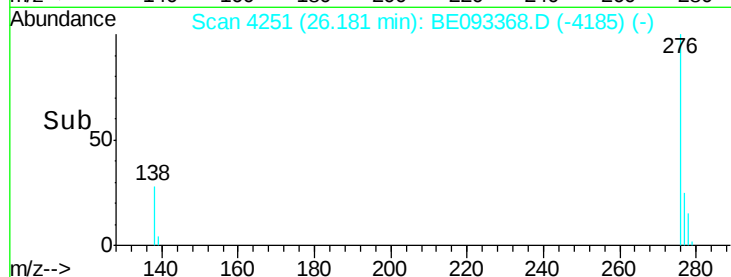
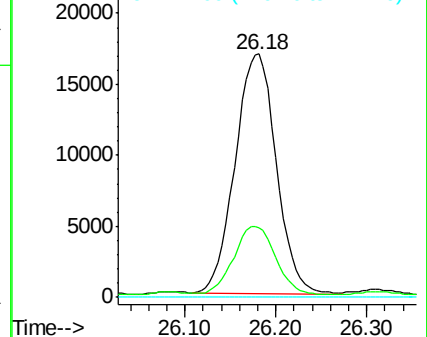
227 0.0 8.0 12.0#



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: 0.07 ng/ul

RT: 26.09 min Scan# 4230

Delta R.T. -0.11 min

Lab File: BE093368.D

Acq: 24 Jun 2017 18:59

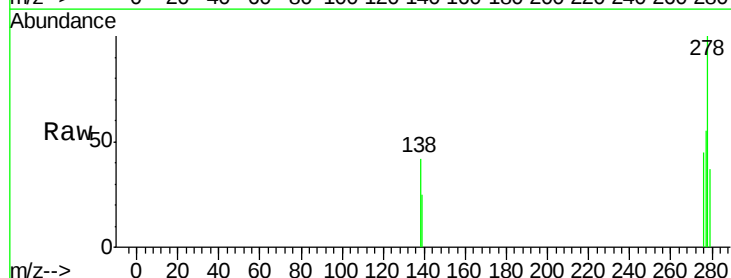
Tgt Ion:278 Resp: 2316

Ion Ratio Lower Upper

278 100

139 24.6 17.4 26.0

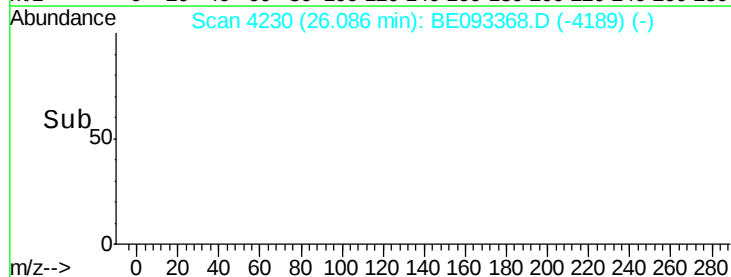
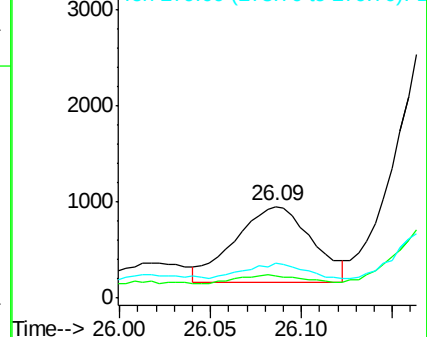
279 37.5 25.9 38.9

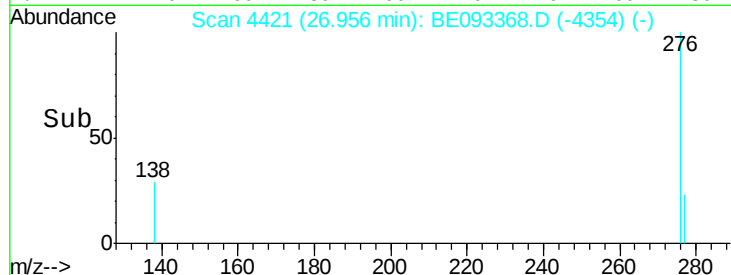
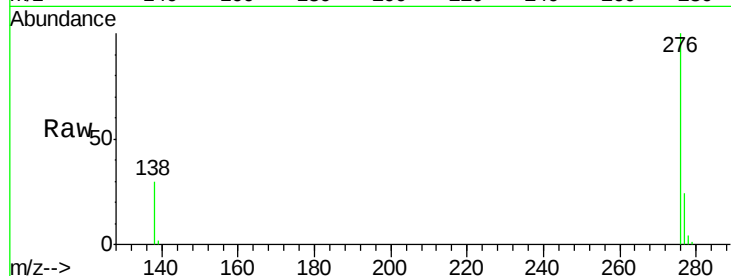
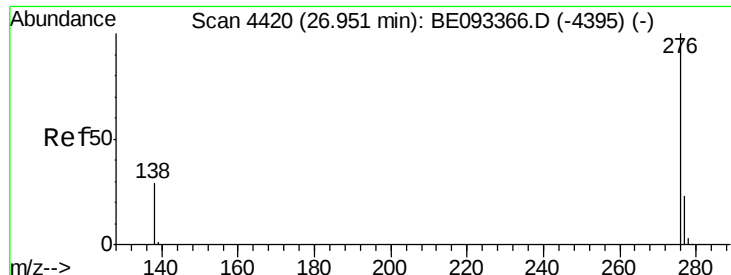


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26
 Benzo(g,h,i)perylene
 Concen: 1.22 ng/ul
 RT: 26.96 min Scan# 4421
 Delta R.T. 0.00 min
 Lab File: BE093368.D
 Acq: 24 Jun 2017 18:59

Instrument :
 BNA_E
 ClientSampleId :
 F5A09DL

Tgt Ion:	276	Resp:	38875
Ion Ratio	Lower	Upper	
276	100		
138	29.9	21.8	32.8
277	24.3	20.5	30.7

