

Data File : BE093363.D
Acq On : 24 Jun 2017 15:54
Operator : SJ/JU
Sample : I3625-09DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5D03DL

Quant Time: Jun 26 01:15:07 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	1365	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	7226	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4315	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	10853	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	11682	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11474	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	734	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	2806	0.10	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.56	128	1422	0.08	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	379	0.03	ng/ul	98
7) Acenaphthylene	14.08	152	3384	0.18	ng/ul	99
8) Acenaphthene	14.42	153	996	0.07	ng/ul	98
9) Fluorene	15.41	166	1343	0.08	ng/ul	91
12) Phenanthrene	17.13	178	31091	1.04	ng/ul#	91
13) Anthracene	17.22	178	8679	0.33	ng/ul#	91
15) Fluoranthene	19.15	202	80505	2.20	ng/ul	84
17) Pyrene	19.51	202	80961	2.35	ng/ul#	83
18) Benzo(a)anthracene	21.24	228	49167	1.58	ng/ul#	85
19) Chrysene	21.29	228	52064	1.61	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	96410	2.77	ng/ul	88
22) Benzo(k)fluoranthene	22.93	252	96410	2.61	ng/ul#	90
23) Benzo(a)pyrene	23.55	252	42429	1.29	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	26570	0.70	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.19	278	7864	0.24	ng/ul#	89
26) Benzo(g,h,i)perylene	26.96	276	20864	0.64	ng/ul	95

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

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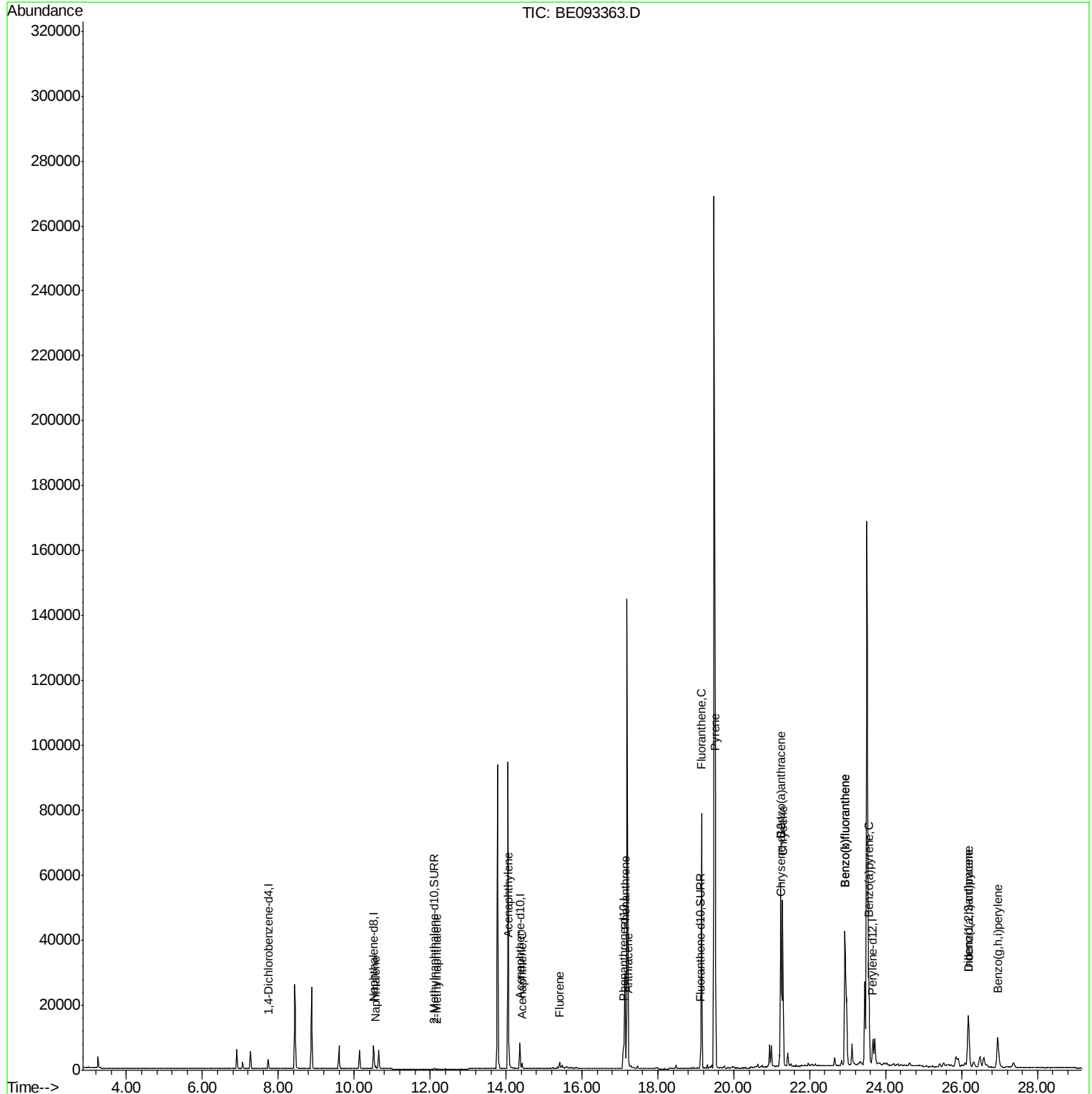
Quant Time: Jun 26 01:15:07 2017

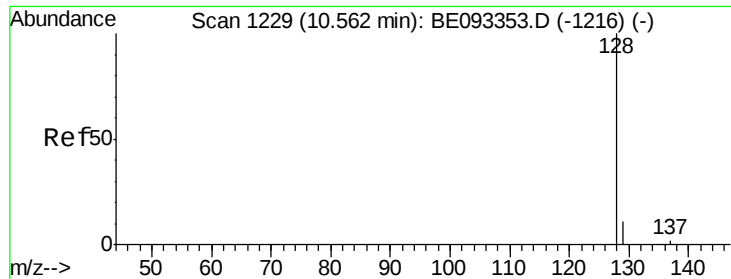
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 26 01:13:30 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.08 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093363.D

Acq: 24 Jun 2017 15:54

Instrument :

BNA_E

ClientSampleId :

F5D03DL

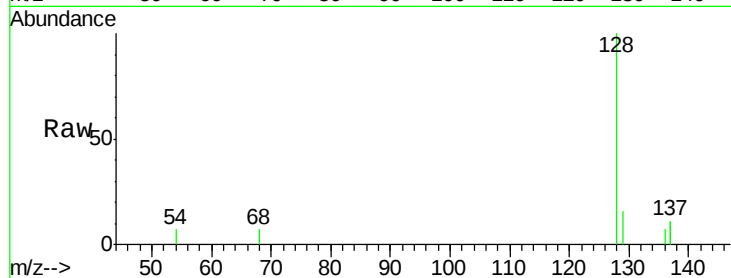
Tgt Ion:128 Resp: 1422

Ion Ratio Lower Upper

128 100

129 15.9 11.3 16.9

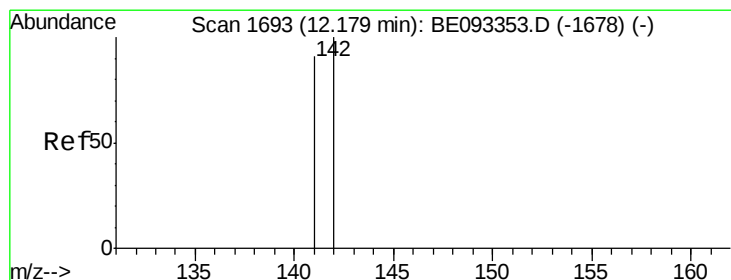
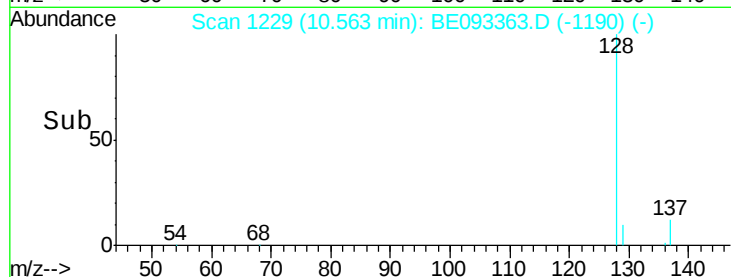
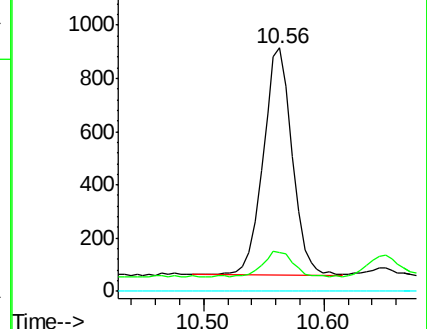
127 0.0 4.0 6.0#



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: 0.03 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. 0.00 min

Lab File: BE093363.D

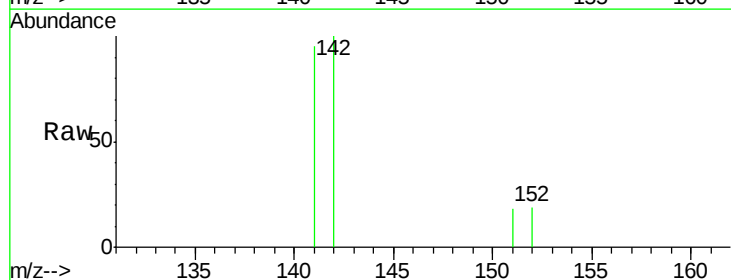
Acq: 24 Jun 2017 15:54

Tgt Ion:142 Resp: 379

Ion Ratio Lower Upper

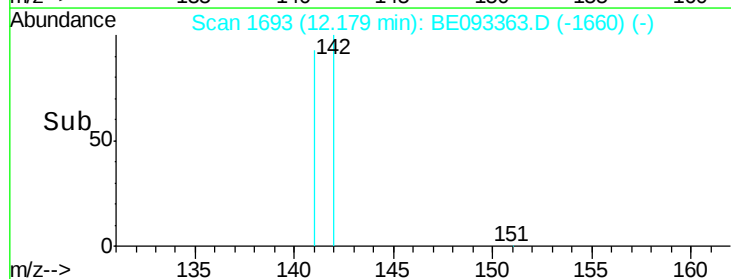
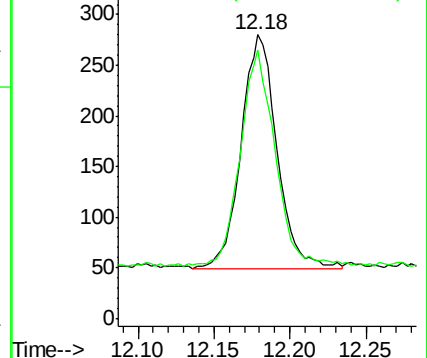
142 100

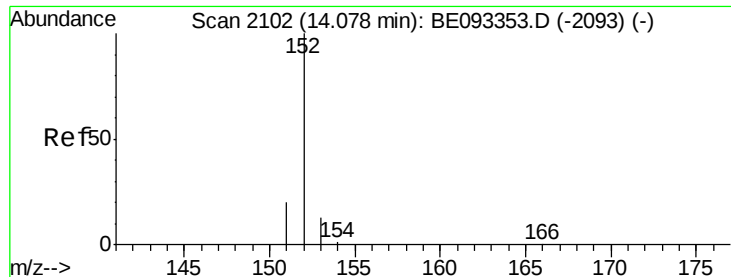
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.18 ng/ul

RT: 14.08 min Scan# 2101

Delta R.T. -0.00 min

Lab File: BE093363.D

Acq: 24 Jun 2017 15:54

Instrument :

BNA_E

ClientSampleId :

F5D03DL

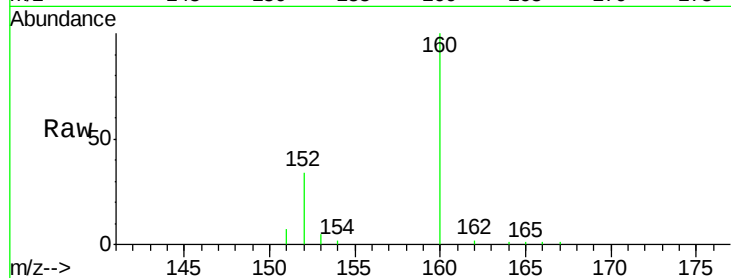
Tgt Ion:152 Resp: 3384

Ion Ratio Lower Upper

152 100

151 21.7 17.1 25.7

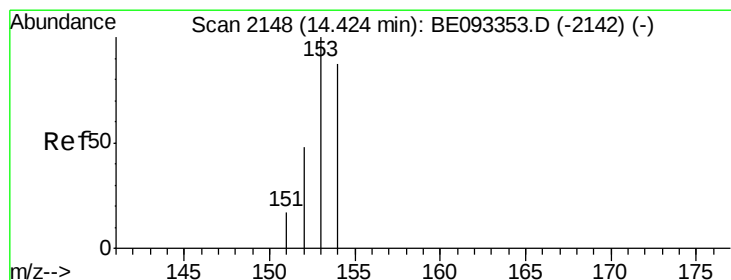
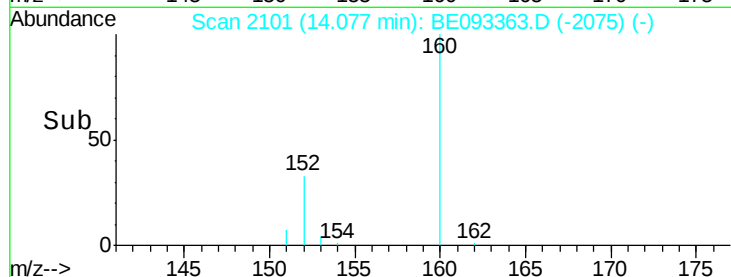
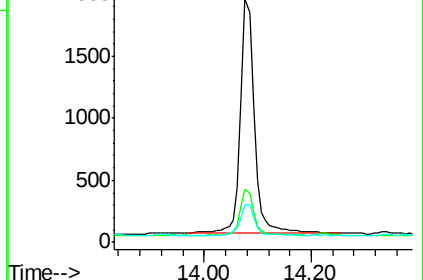
153 15.3 12.8 19.2



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: 0.07 ng/ul

RT: 14.42 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BE093363.D

Acq: 24 Jun 2017 15:54

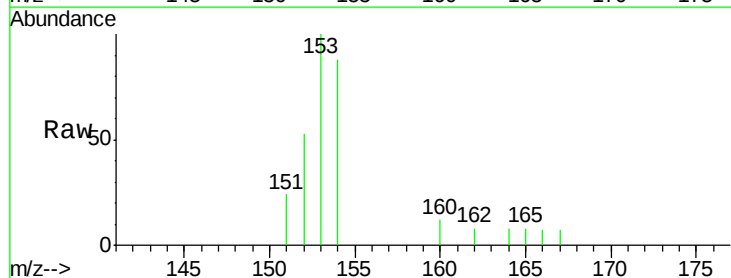
Tgt Ion:153 Resp: 996

Ion Ratio Lower Upper

153 100

152 53.0 40.3 60.5

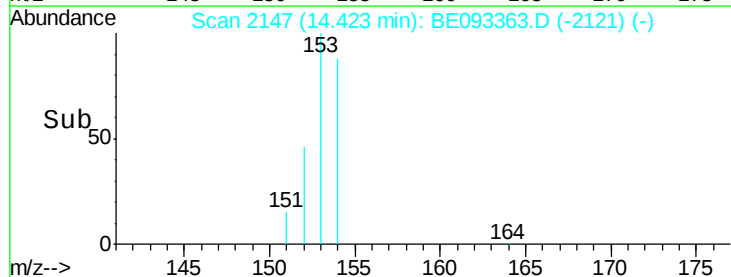
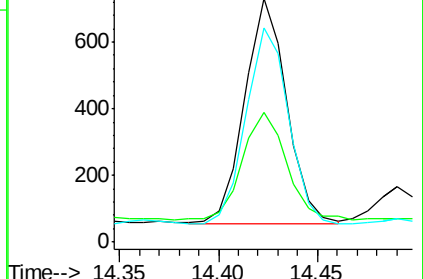
154 88.2 71.4 107.2

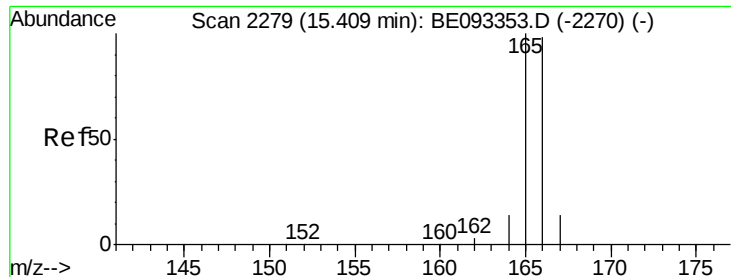


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.08 ng/ul

RT: 15.41 min Scan# 2278

Delta R.T. -0.00 min

Lab File: BE093363.D

Acq: 24 Jun 2017 15:54

Instrument :

BNA_E

ClientSampleId :

F5D03DL

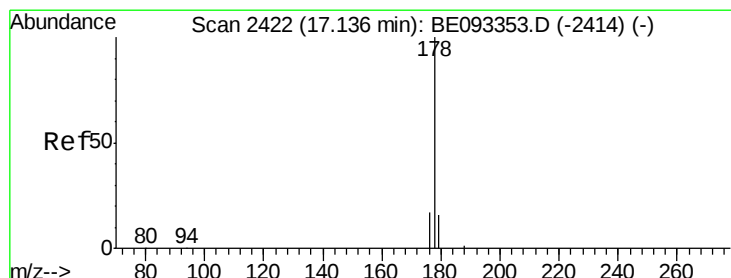
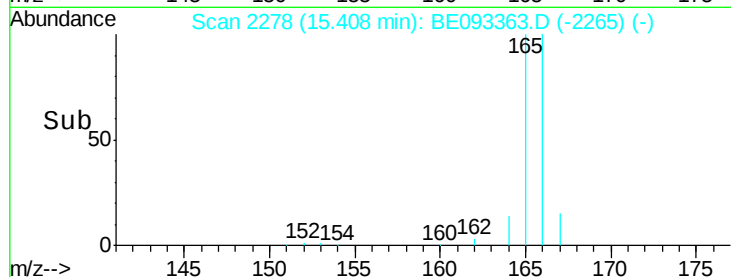
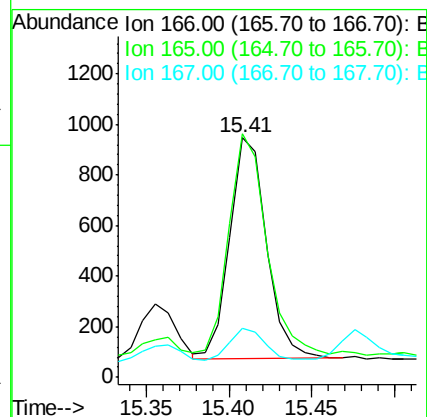
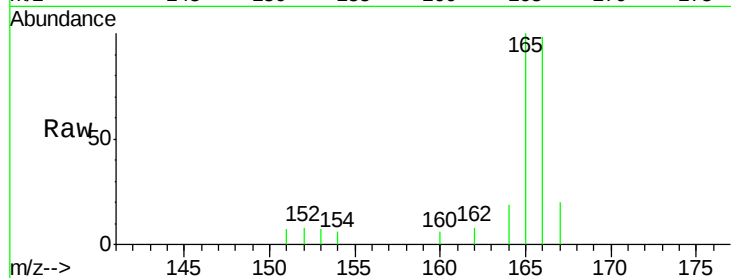
Tgt Ion:166 Resp: 1343

Ion Ratio Lower Upper

166 100

165 101.6 73.4 110.2

167 20.3 14.6 22.0



#12

Phenanthrene

Concen: 1.04 ng/ul

RT: 17.13 min Scan# 2421

Delta R.T. -0.00 min

Lab File: BE093363.D

Acq: 24 Jun 2017 15:54

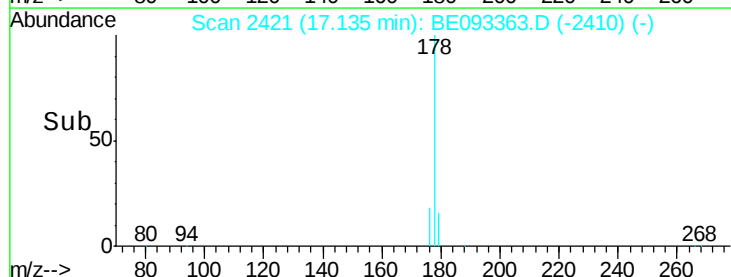
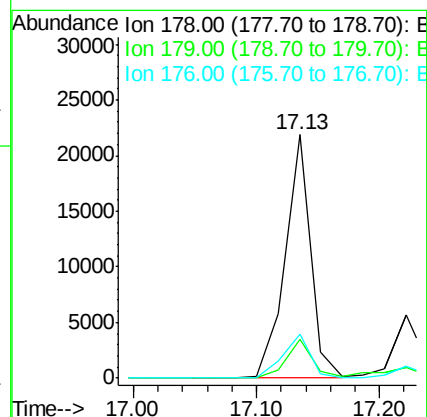
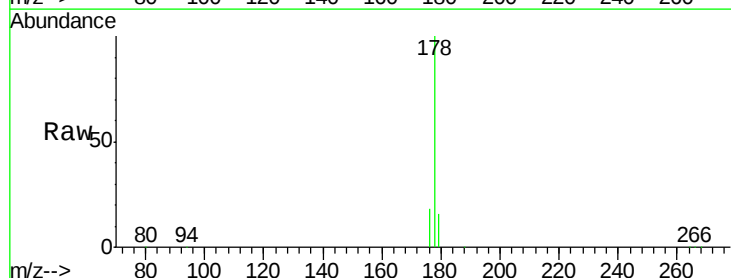
Tgt Ion:178 Resp: 31091

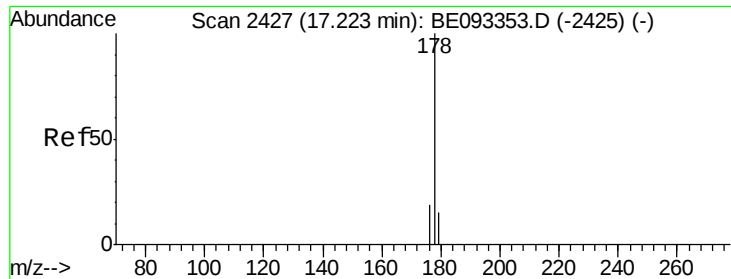
Ion Ratio Lower Upper

178 100

179 16.0 18.4 27.6#

176 18.1 13.6 20.4





#13

Anthracene

Concen: 0.33 ng/ul

RT: 17.22 min Scan# 2426

Delta R.T. -0.00 min

Lab File: BE093363.D

Acq: 24 Jun 2017 15:54

Instrument :

BNA_E

ClientSampleId :

F5D03DL

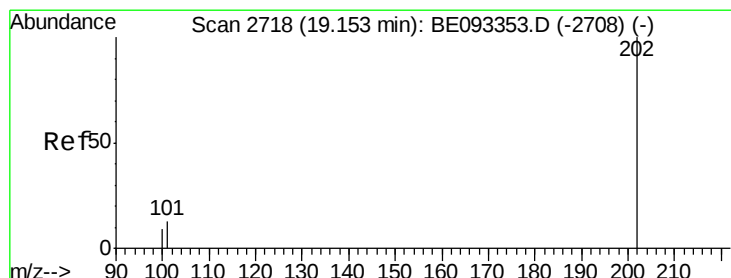
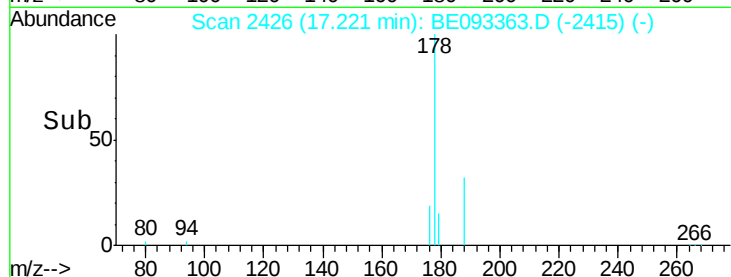
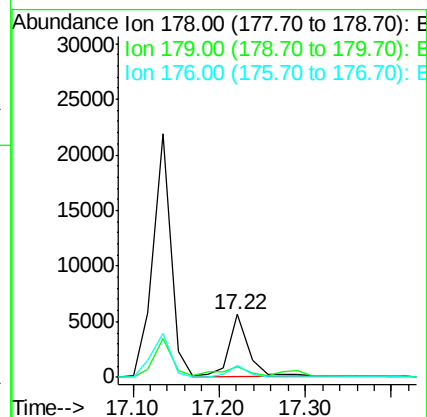
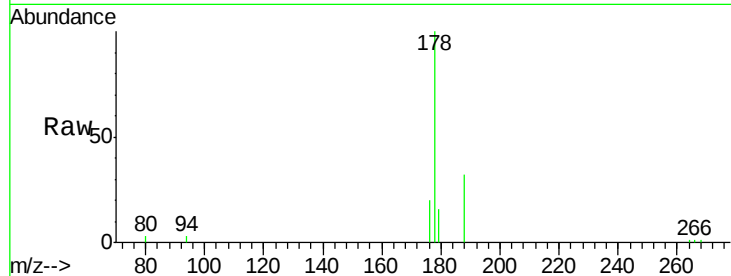
Tgt Ion:178 Resp: 8679

Ion Ratio Lower Upper

178 100

179 16.1 18.1 27.1#

176 19.7 14.7 22.1



#15

Fluoranthene

Concen: 2.20 ng/ul

RT: 19.15 min Scan# 2717

Delta R.T. -0.00 min

Lab File: BE093363.D

Acq: 24 Jun 2017 15:54

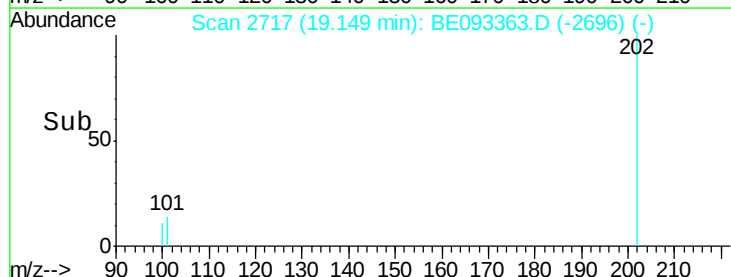
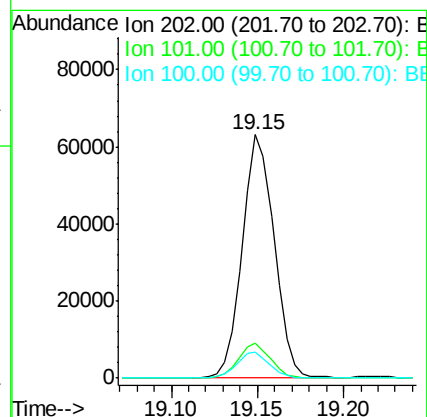
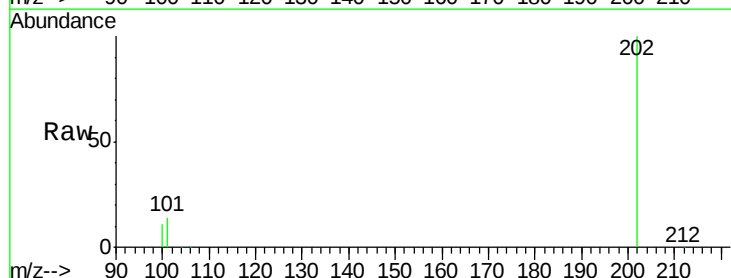
Tgt Ion:202 Resp: 80505

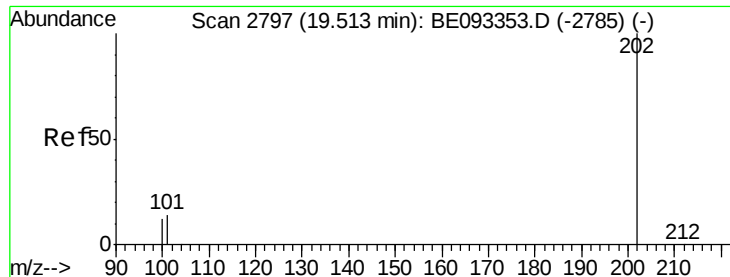
Ion Ratio Lower Upper

202 100

101 14.2 0.0 30.3

100 10.7 0.0 39.5





#17

Pyrene

Concen: 2.35 ng/ul

RT: 19.51 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BE093363.D

Acq: 24 Jun 2017 15:54

Instrument :

BNA_E

ClientSampleId :

F5D03DL

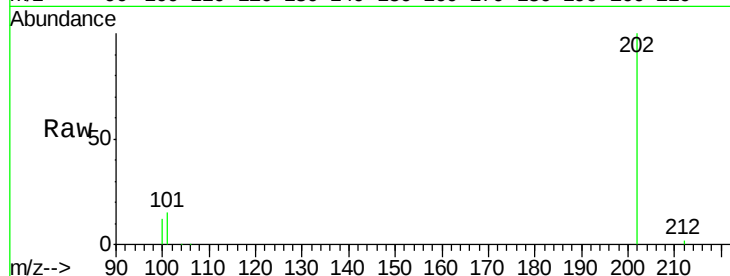
Tgt Ion:202 Resp: 80961

Ion Ratio Lower Upper

202 100

101 14.8 18.2 27.4#

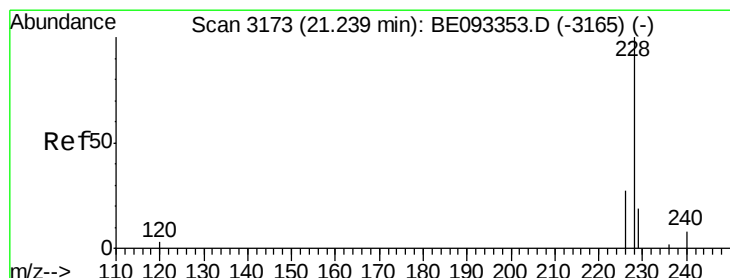
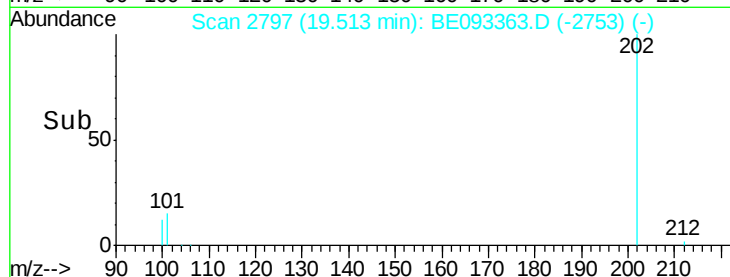
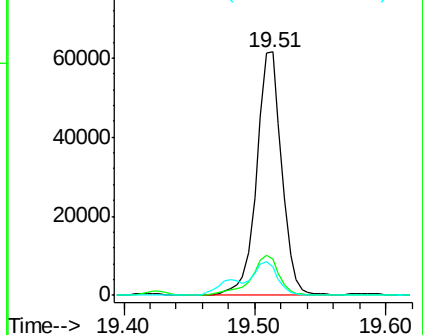
100 11.6 15.6 23.4#



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): BE



#18

Benzo(a)anthracene

Concen: 1.58 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE093363.D

Acq: 24 Jun 2017 15:54

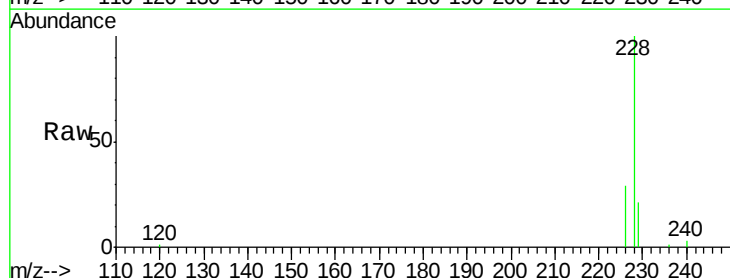
Tgt Ion:228 Resp: 49167

Ion Ratio Lower Upper

228 100

229 20.8 22.8 34.2#

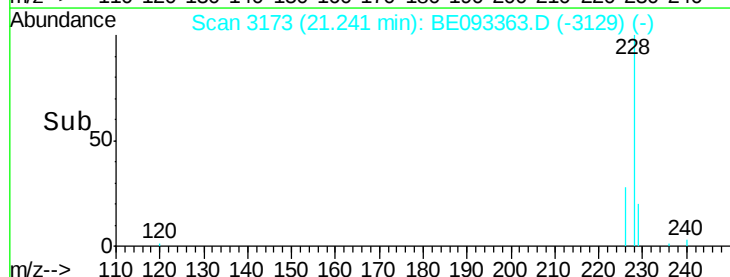
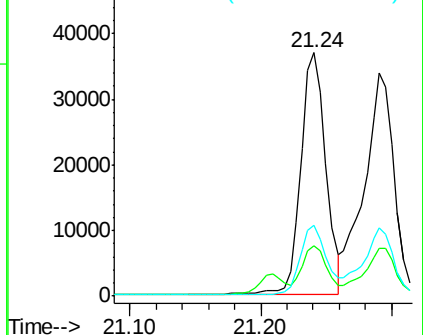
226 29.0 17.0 25.6#

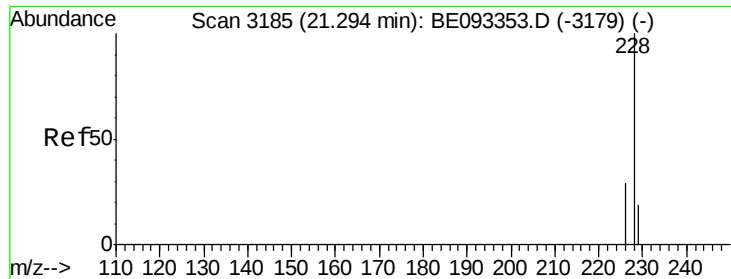


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.61 ng/ul

RT: 21.29 min Scan# 3184

Delta R.T. -0.00 min

Lab File: BE093363.D

Acq: 24 Jun 2017 15:54

Instrument :

BNA_E

ClientSampleId :

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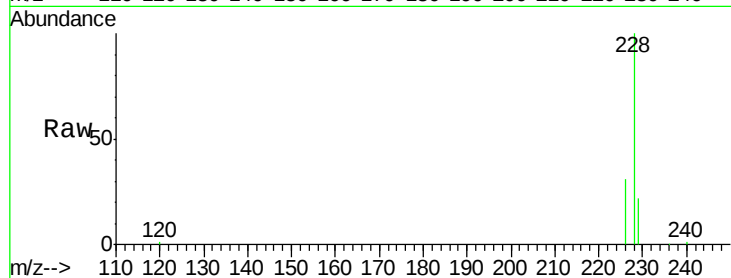
Tgt Ion:228 Resp: 52064

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

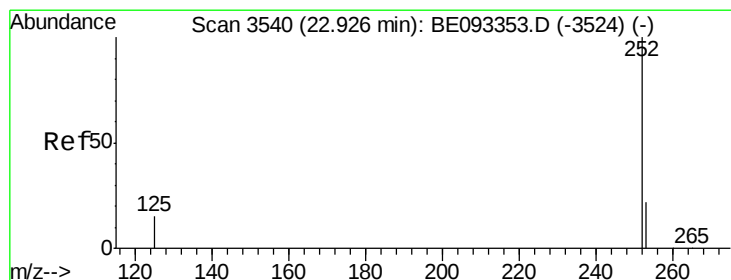
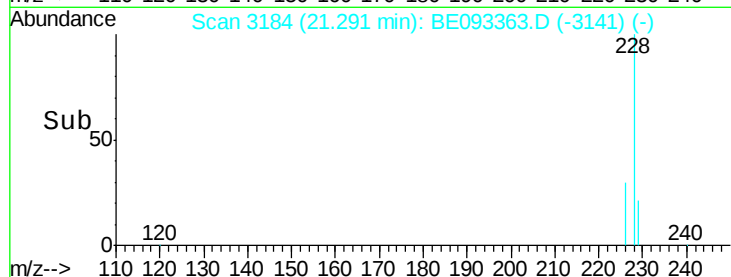
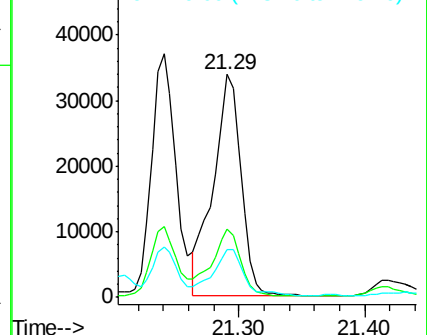
229 21.6 17.7 26.5



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: 2.77 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.01 min

Lab File: BE093363.D

Acq: 24 Jun 2017 15:54

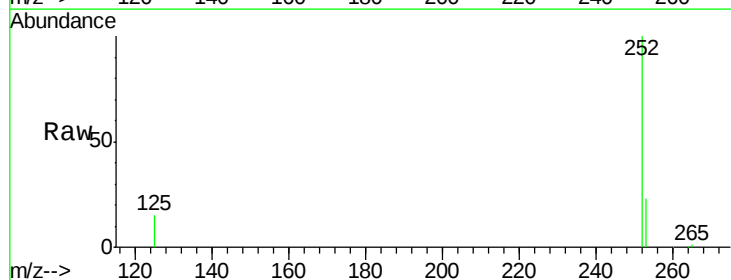
Tgt Ion:252 Resp: 96410

Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

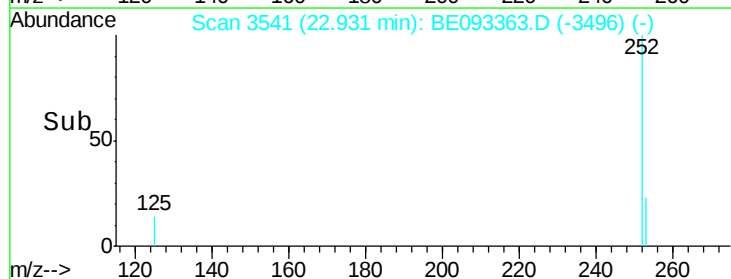
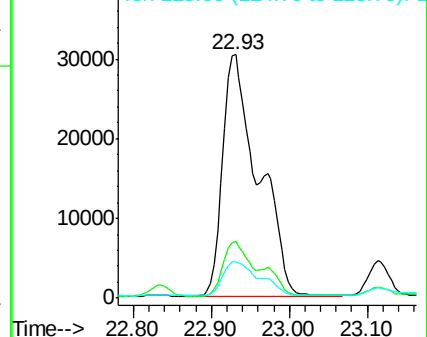
125 15.1 0.0 35.0

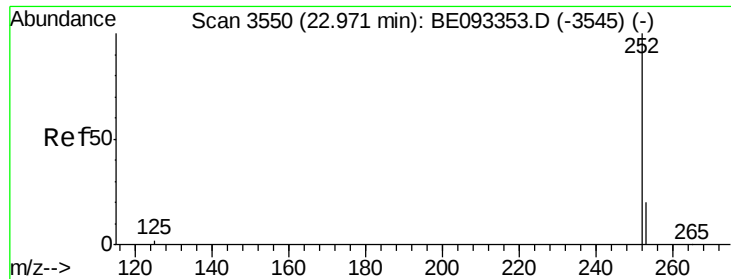


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

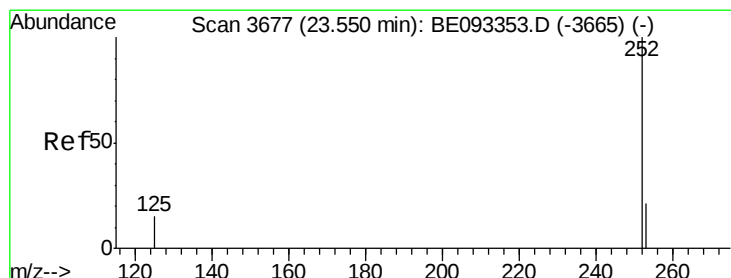
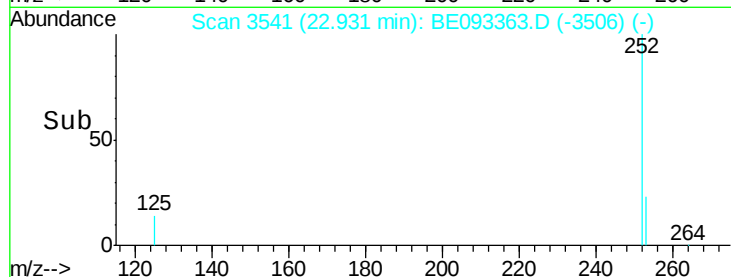
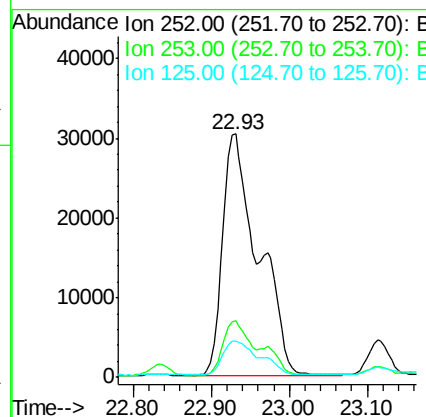
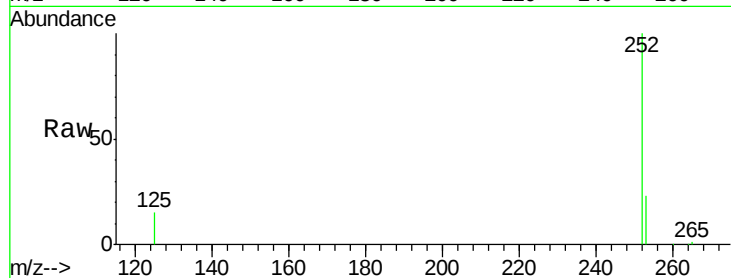




#22
Benzo(k)fluoranthene
Concen: 2.61 ng/ul
RT: 22.93 min Scan# 3541
Delta R.T. -0.04 min
Lab File: BE093363.D
Acq: 24 Jun 2017 15:54

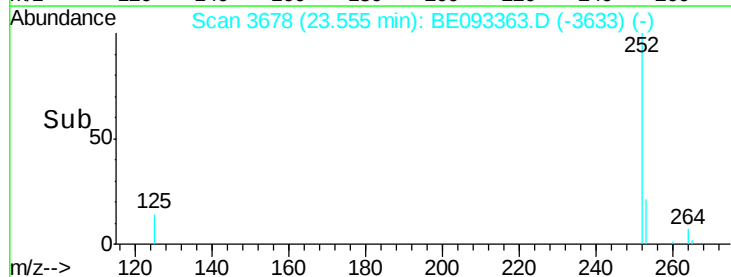
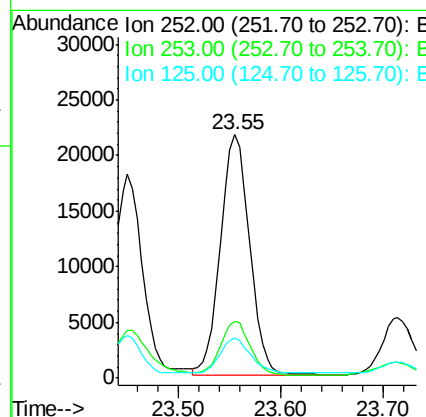
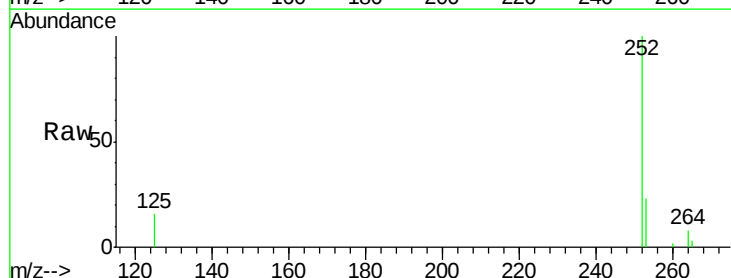
Instrument :
BNA_E
ClientSampleId :
F5D03DL

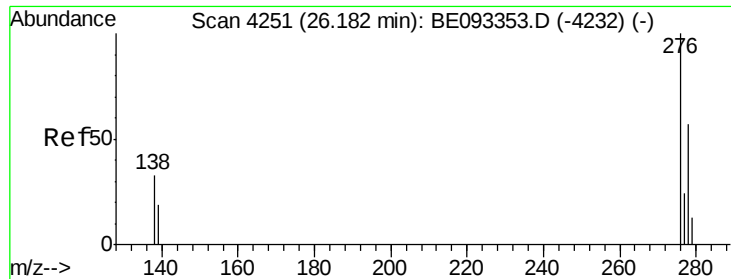
Tgt Ion:252 Resp: 96410
Ion Ratio Lower Upper
252 100
253 23.2 24.5 36.7#
125 15.1 13.7 20.5



#23
Benzo(a)pyrene
Concen: 1.29 ng/ul
RT: 23.55 min Scan# 3678
Delta R.T. 0.01 min
Lab File: BE093363.D
Acq: 24 Jun 2017 15:54

Tgt Ion:252 Resp: 42429
Ion Ratio Lower Upper
252 100
253 23.3 28.5 42.7#
125 16.3 18.1 27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.70 ng/ul

RT: 26.18 min Scan# 4250

Delta R.T. -0.01 min

Lab File: BE093363.D

Acq: 24 Jun 2017 15:54

Instrument :

BNA_E

ClientSampleId :

F5D03DL

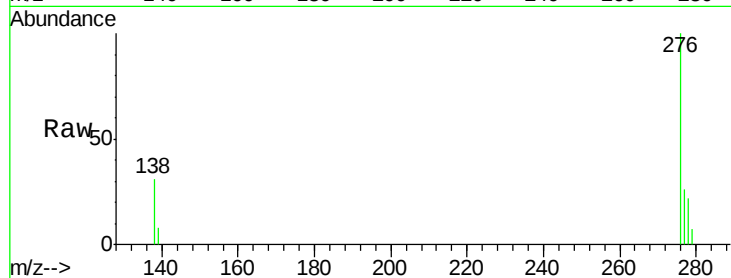
Tgt Ion:276 Resp: 26570

Ion Ratio Lower Upper

276 100

138 30.0 28.0 42.0

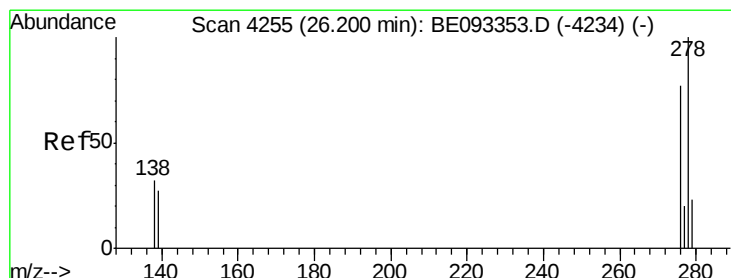
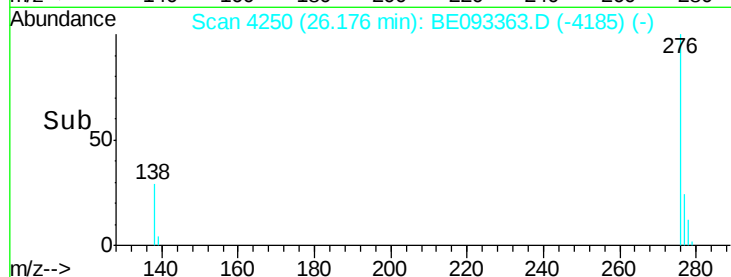
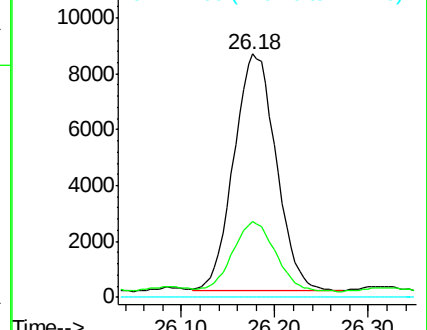
227 0.0 8.0 12.0#



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: 0.24 ng/ul

RT: 26.19 min Scan# 4253

Delta R.T. -0.01 min

Lab File: BE093363.D

Acq: 24 Jun 2017 15:54

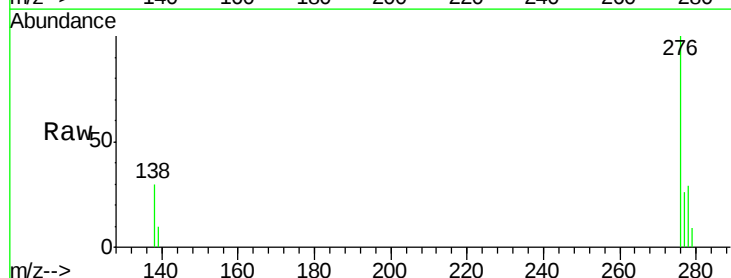
Tgt Ion:278 Resp: 7864

Ion Ratio Lower Upper

278 100

139 32.8 17.4 26.0#

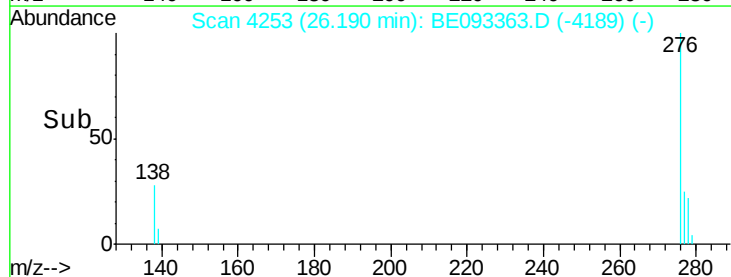
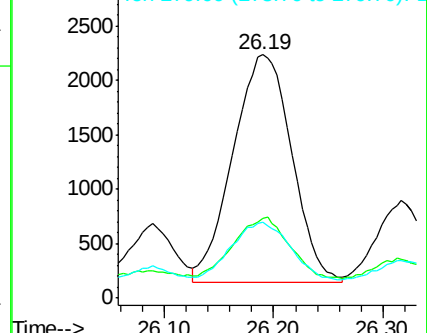
279 31.1 25.9 38.9

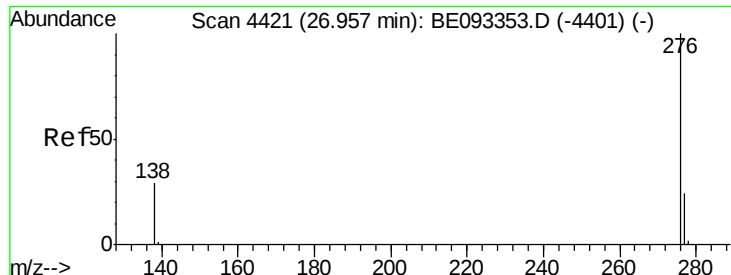


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.64 ng/ul

RT: 26.96 min Scan# 4421

Delta R.T. -0.00 min

Lab File: BE093363.D

Acq: 24 Jun 2017 15:54

Instrument :

BNA_E

ClientSampleId :

F5D03DL

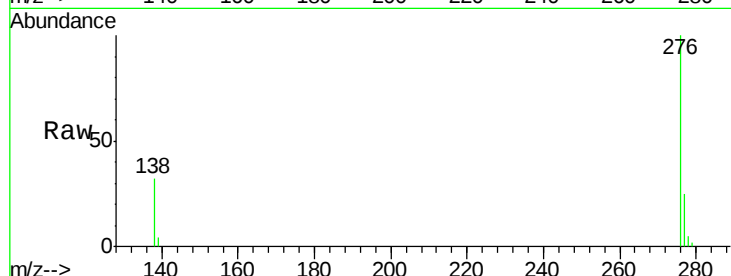
Tgt Ion: 276 Resp: 20864

Ion Ratio Lower Upper

276 100

138 31.8 21.8 32.8

277 25.1 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

