

Data File : BE093364.D
Acq On : 24 Jun 2017 16:30
Operator : SJ/JU
Sample : I3625-18DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A00DL

Quant Time: Jun 26 01:15:17 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	1236	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	6623	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	3932	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	9981	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	11304	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	9260	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	565	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1752	0.06	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	1718	0.10	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	1018	0.09	ng/ul	99
7) Acenaphthylene	14.08	152	4364	0.26	ng/ul	99
8) Acenaphthene	14.42	153	2830	0.21	ng/ul	98
9) Fluorene	15.42	166	4104	0.26	ng/ul	94
12) Phenanthrene	17.13	178	115718	4.21	ng/ul#	90
13) Anthracene	17.22	178	21390	0.89	ng/ul#	91
15) Fluoranthene	19.15	202	220558	6.55	ng/ul	84
17) Pyrene	19.51	202	211383	6.34	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	111701	3.70	ng/ul#	86
19) Chrysene	21.29	228	111109	3.55	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	158915	5.66	ng/ul	88
22) Benzo(k)fluoranthene	23.11	252	12007	0.40	ng/ul	96
23) Benzo(a)pyrene	23.55	252	78506	2.95	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.18	276	46816	1.52	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.19	278	14326	0.55	ng/ul#	90
26) Benzo(g,h,i)perylene	26.96	276	39381	1.49	ng/ul	97

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

Data File : BE093364.D

Acq On : 24 Jun 2017 16:30

Operator : SJ/JU

Sample : I3625-18DL 5X

Misc :

ALS Vial : 13 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

F5A00DL

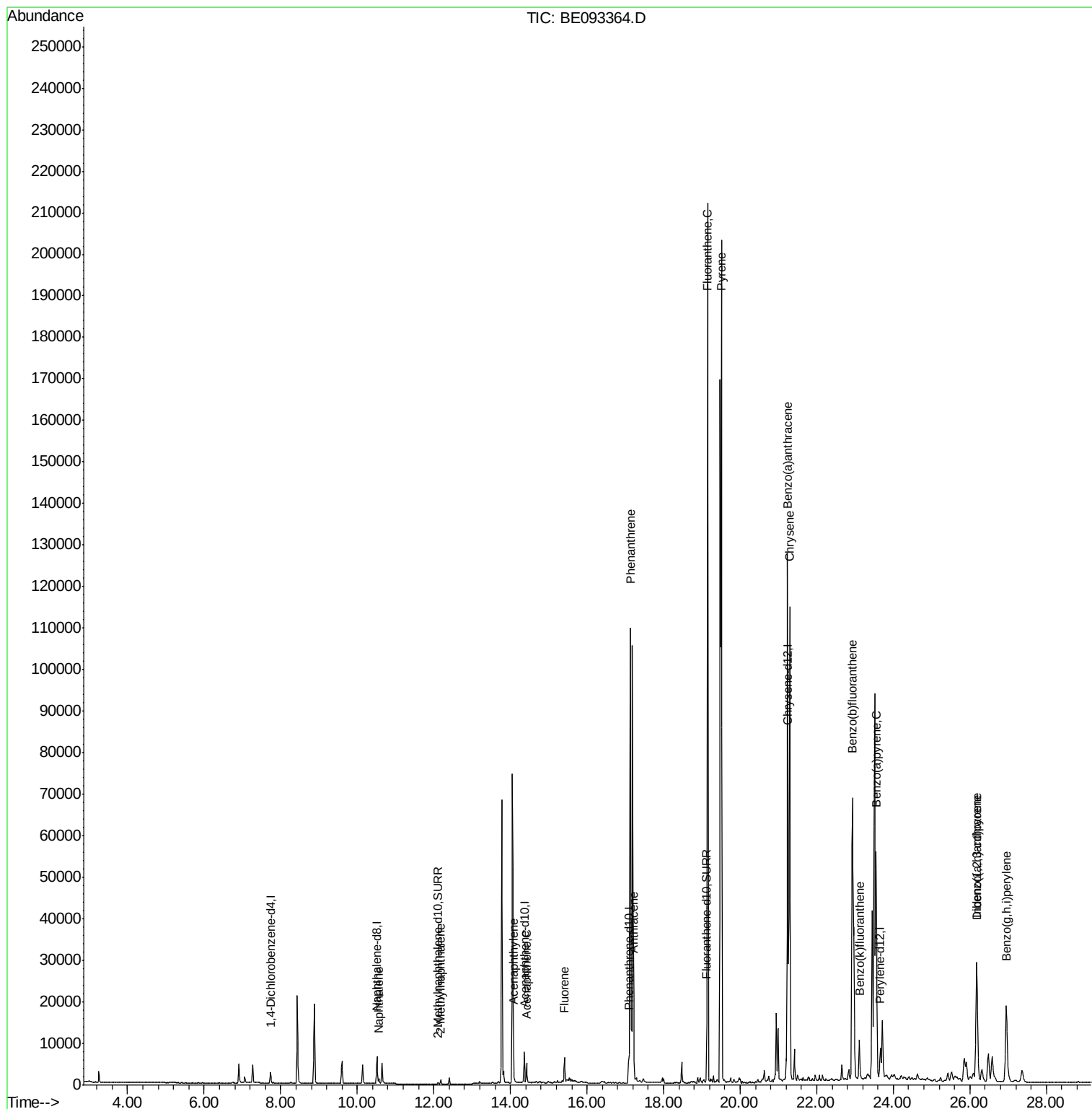
Quant Time: Jun 26 01:15:17 2017

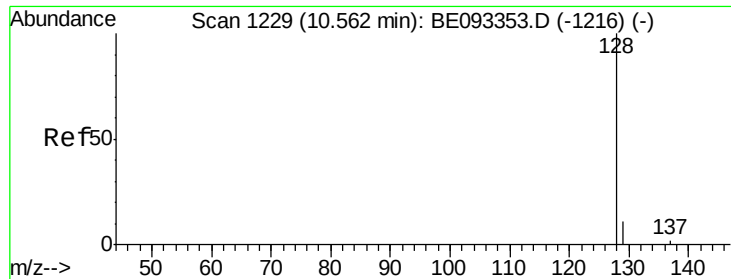
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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: 0.10 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093364.D

Acq: 24 Jun 2017 16:30

Instrument :

BNA_E

ClientSampleId :

F5A00DL

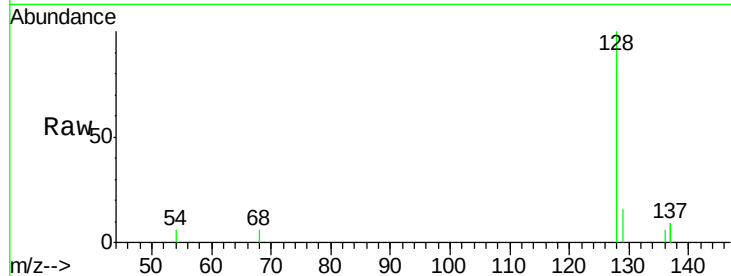
Tgt Ion:128 Resp: 1718

Ion Ratio Lower Upper

128 100

129 15.6 11.3 16.9

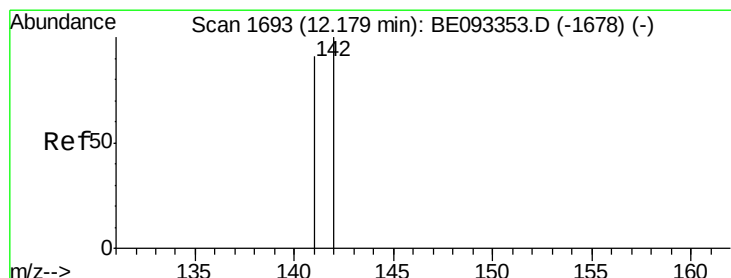
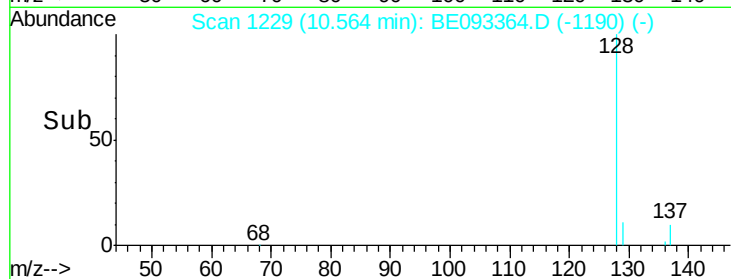
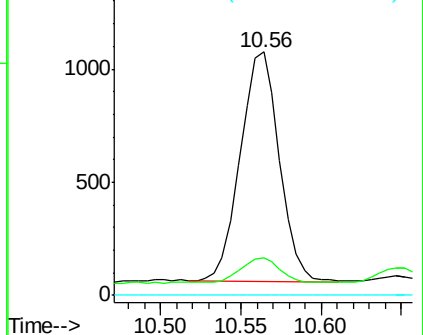
127 0.0 4.0 6.0#



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: 0.09 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. 0.00 min

Lab File: BE093364.D

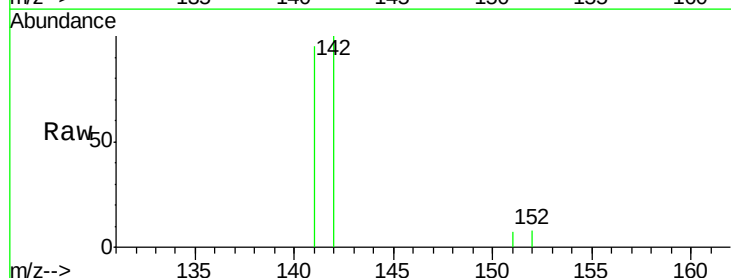
Acq: 24 Jun 2017 16:30

Tgt Ion:142 Resp: 1018

Ion Ratio Lower Upper

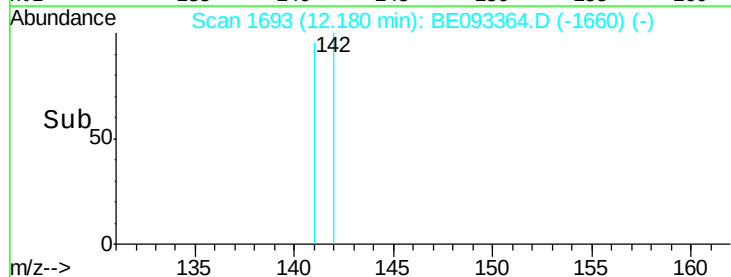
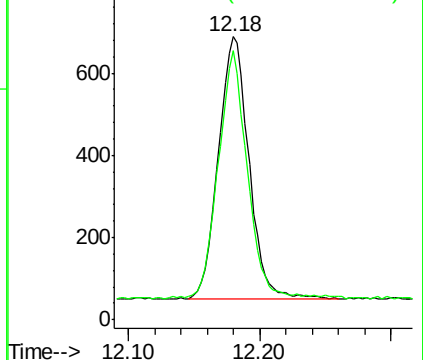
142 100

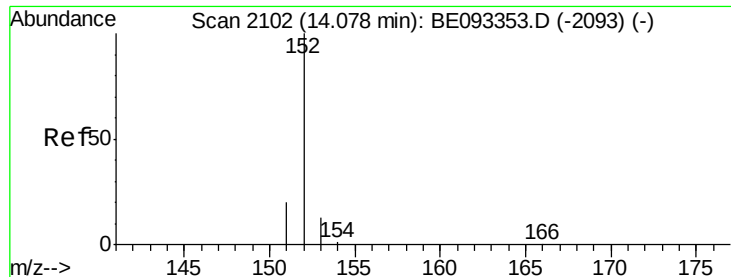
141 89.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.26 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. 0.01 min

Lab File: BE093364.D

Acq: 24 Jun 2017 16:30

Instrument :

BNA_E

ClientSampleId :

F5A00DL

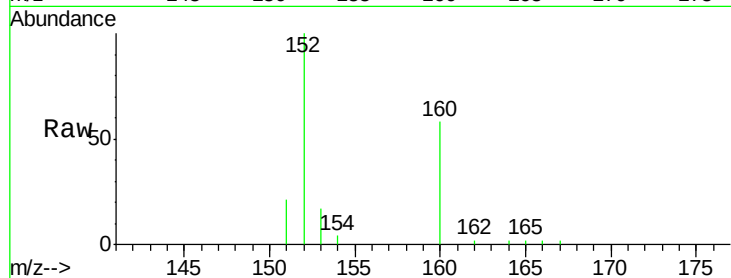
Tgt Ion:152 Resp: 4364

Ion Ratio Lower Upper

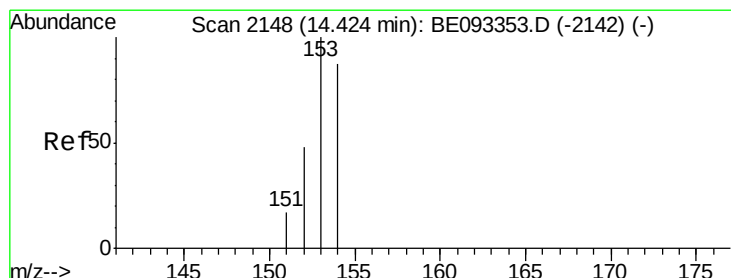
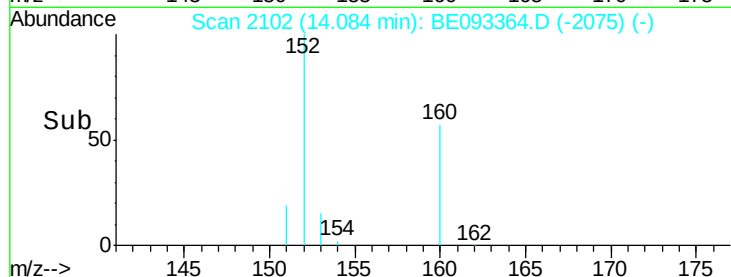
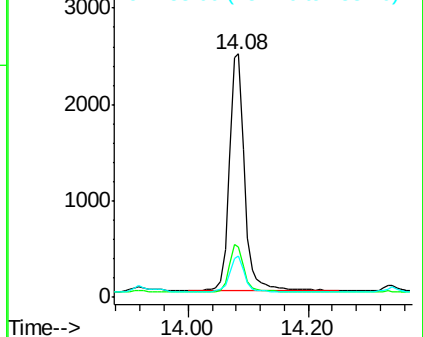
152 100

151 20.8 17.1 25.7

153 16.8 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: 0.21 ng/ul

RT: 14.42 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BE093364.D

Acq: 24 Jun 2017 16:30

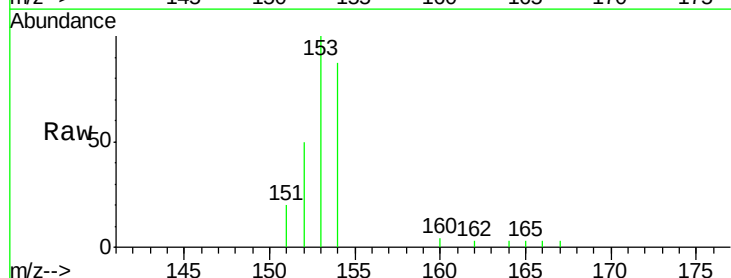
Tgt Ion:153 Resp: 2830

Ion Ratio Lower Upper

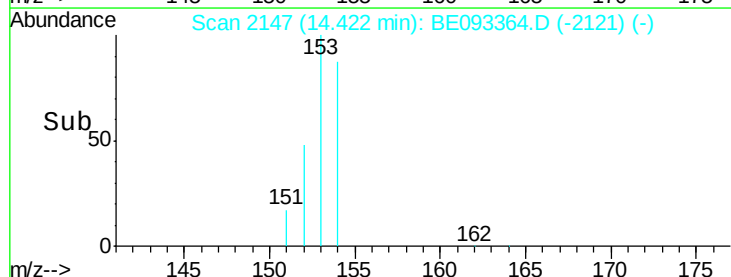
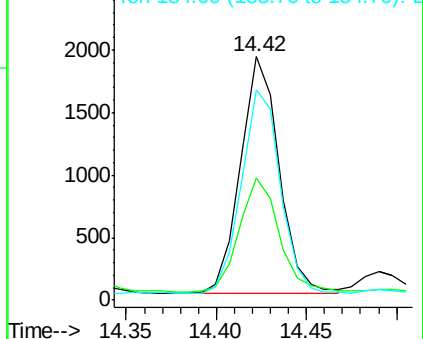
153 100

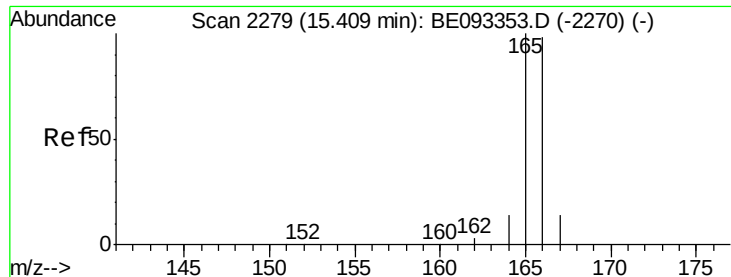
152 50.0 40.3 60.5

154 86.6 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: 0.26 ng/ul

RT: 15.42 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BE093364.D

Acq: 24 Jun 2017 16:30

Instrument :

BNA_E

ClientSampleId :

F5A00DL

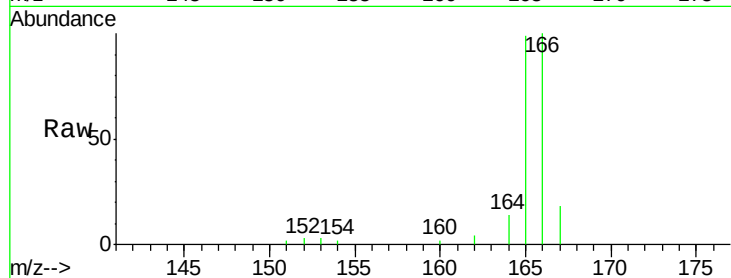
Tgt Ion:166 Resp: 4104

Ion Ratio Lower Upper

166 100

165 98.6 73.4 110.2

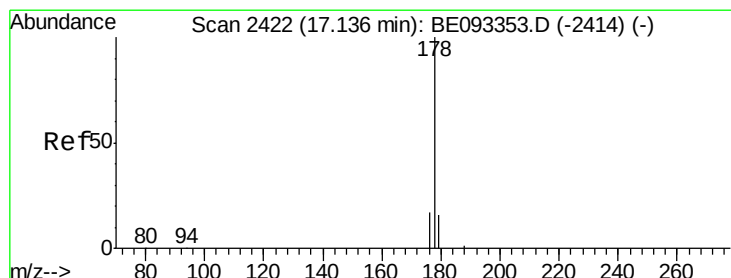
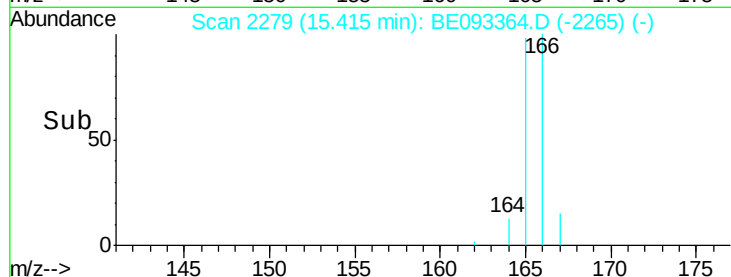
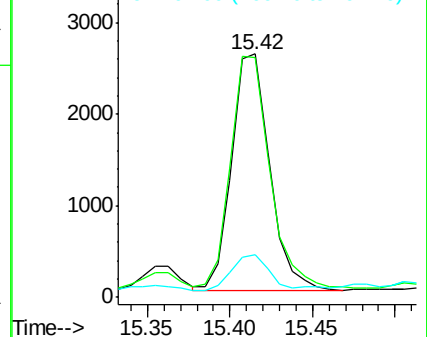
167 17.6 14.6 22.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 4.21 ng/ul

RT: 17.13 min Scan# 2421

Delta R.T. -0.00 min

Lab File: BE093364.D

Acq: 24 Jun 2017 16:30

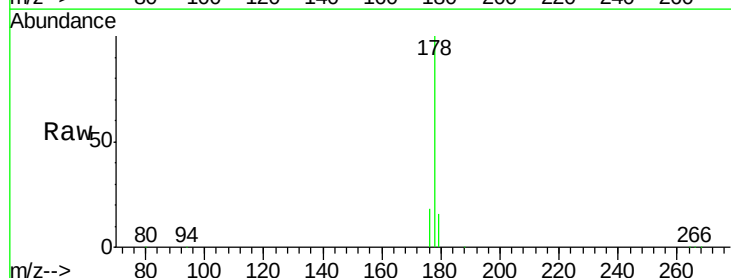
Tgt Ion:178 Resp: 115718

Ion Ratio Lower Upper

178 100

179 15.5 18.4 27.6#

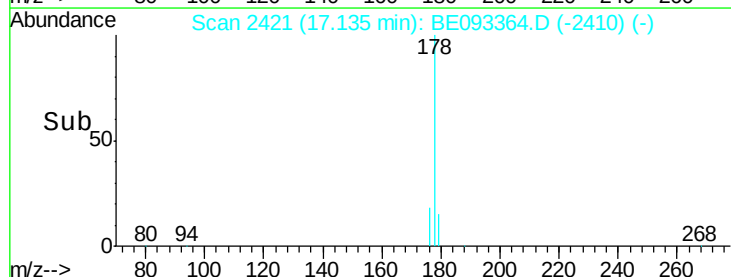
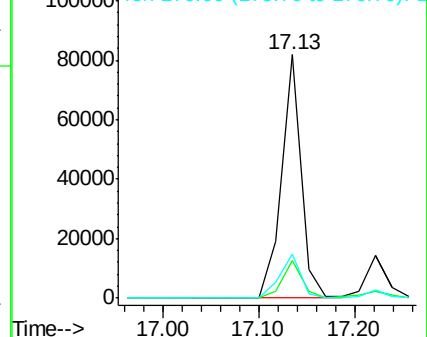
176 18.3 13.6 20.4

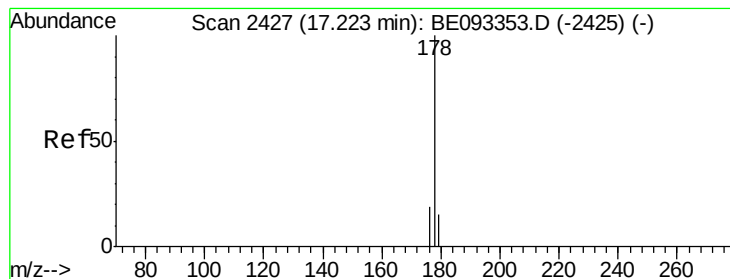


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.89 ng/ul

RT: 17.22 min Scan# 2426

Delta R.T. -0.00 min

Lab File: BE093364.D

Acq: 24 Jun 2017 16:30

Instrument :

BNA_E

ClientSampleId :

F5A00DL

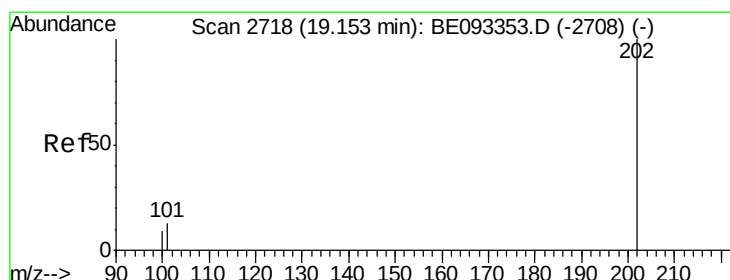
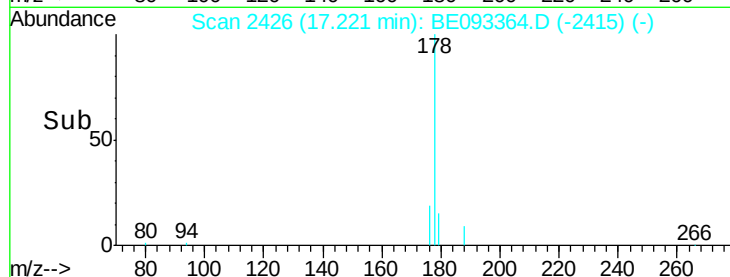
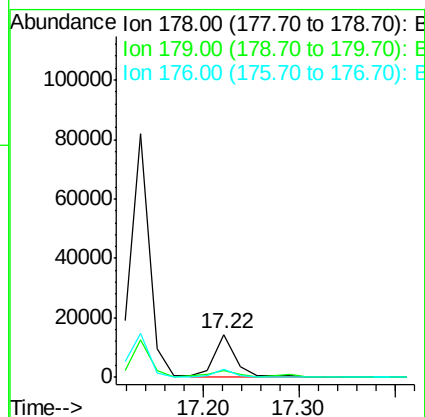
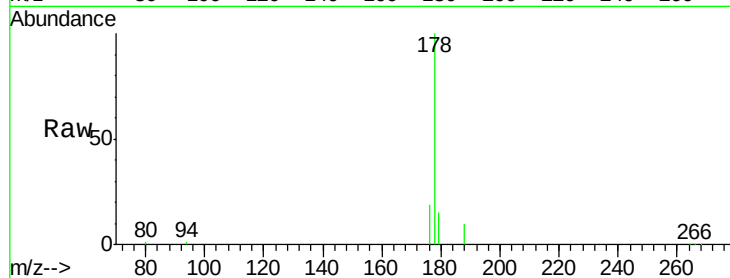
Tgt Ion:178 Resp: 21390

Ion Ratio Lower Upper

178 100

179 15.3 18.1 27.1#

176 19.3 14.7 22.1



#15

Fluoranthene

Concen: 6.55 ng/ul

RT: 19.15 min Scan# 2717

Delta R.T. -0.00 min

Lab File: BE093364.D

Acq: 24 Jun 2017 16:30

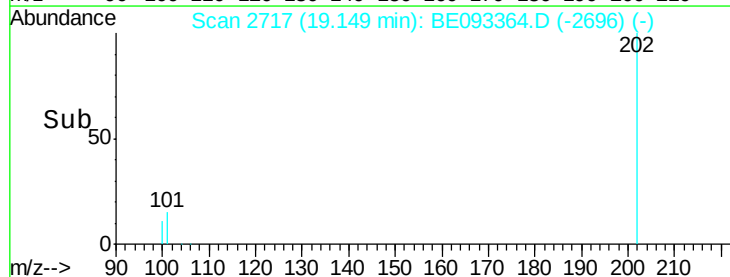
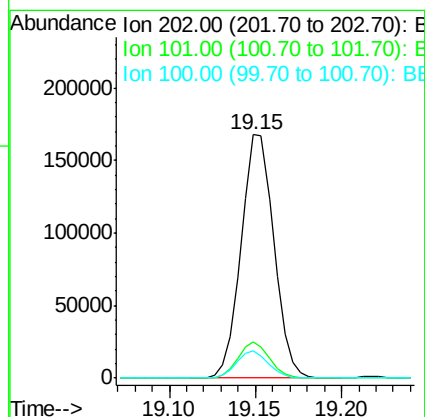
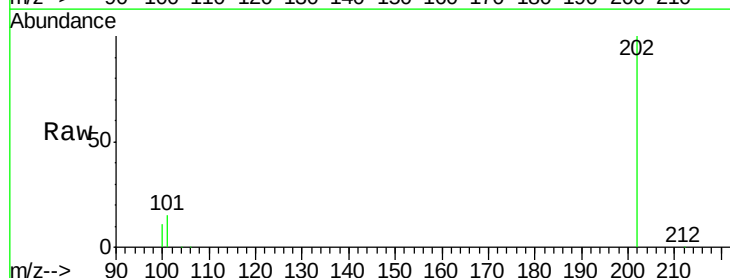
Tgt Ion:202 Resp: 220558

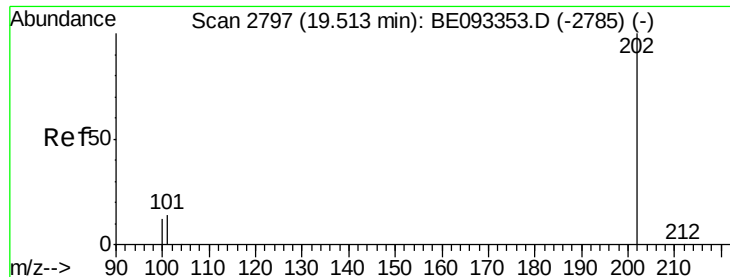
Ion Ratio Lower Upper

202 100

101 15.0 0.0 30.3

100 11.4 0.0 39.5





#17

Pyrene

Concen: 6.34 ng/ul

RT: 19.51 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BE093364.D

Acq: 24 Jun 2017 16:30

Instrument :

BNA_E

ClientSampleId :

F5A00DL

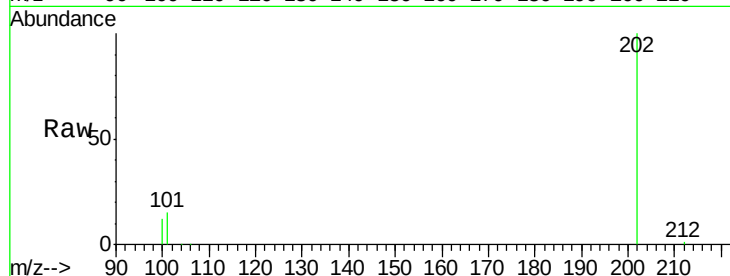
Tgt Ion:202 Resp: 211383

Ion Ratio Lower Upper

202 100

101 15.4 18.2 27.4#

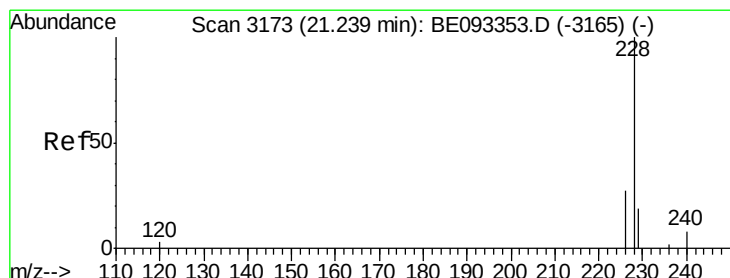
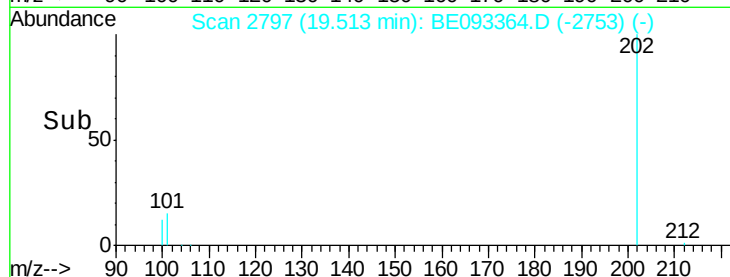
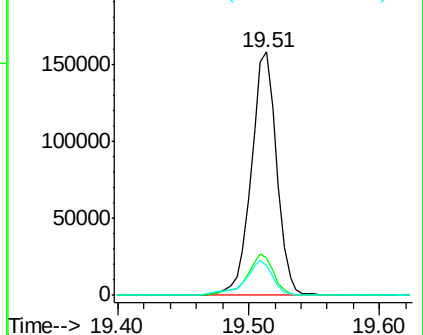
100 12.2 15.6 23.4#



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: 3.70 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE093364.D

Acq: 24 Jun 2017 16:30

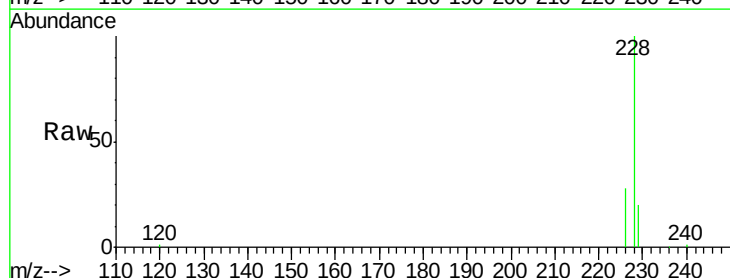
Tgt Ion:228 Resp: 111701

Ion Ratio Lower Upper

228 100

229 20.5 22.8 34.2#

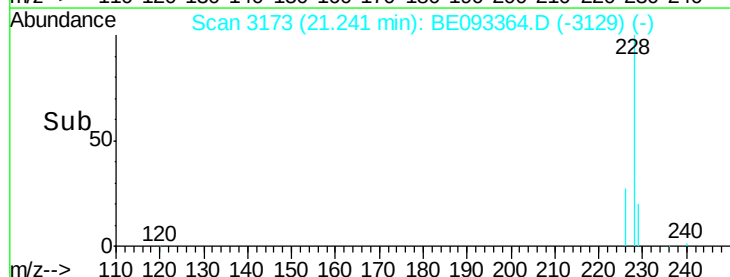
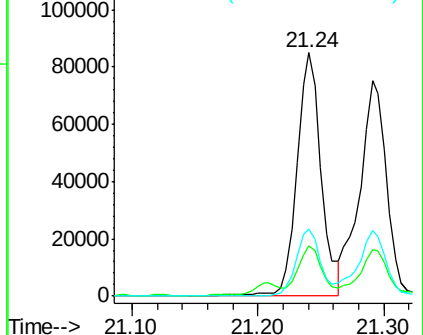
226 27.7 17.0 25.6#

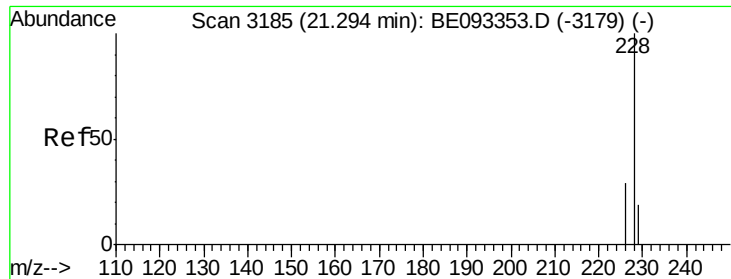


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 3.55 ng/ul

RT: 21.29 min Scan# 3184

Delta R.T. -0.00 min

Lab File: BE093364.D

Acq: 24 Jun 2017 16:30

Instrument :

BNA_E

ClientSampleId :

F5A00DL

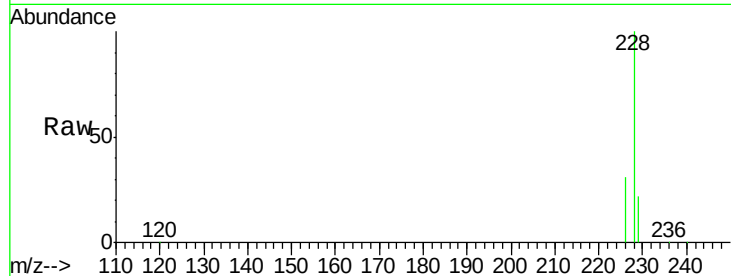
Tgt Ion:228 Resp: 111109

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.0

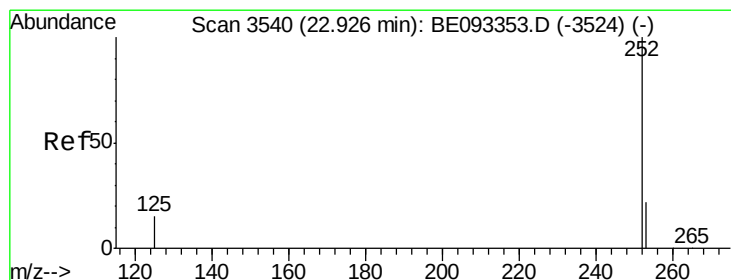
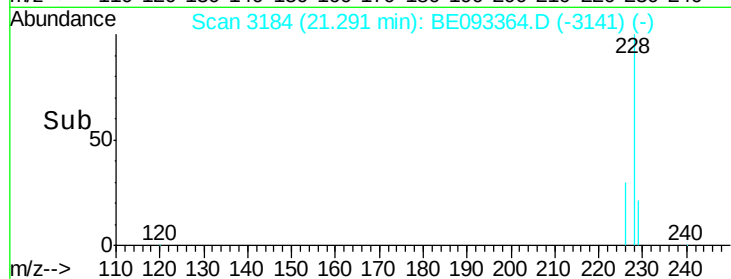
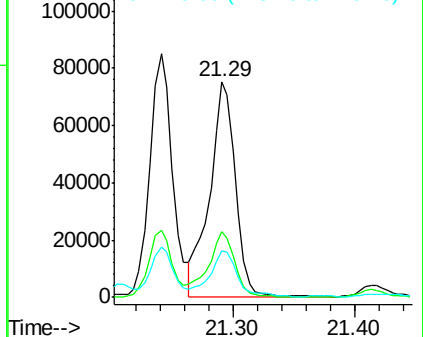
229 21.7 17.7 26.5



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: 5.66 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.01 min

Lab File: BE093364.D

Acq: 24 Jun 2017 16:30

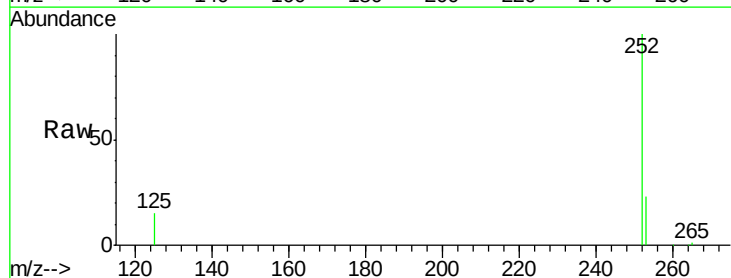
Tgt Ion:252 Resp: 158915

Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

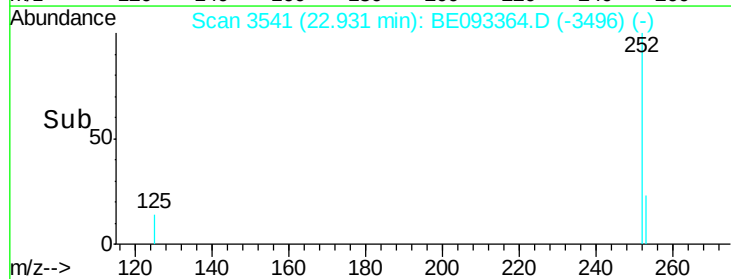
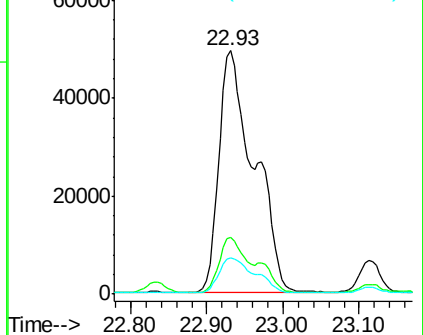
125 14.8 0.0 35.0

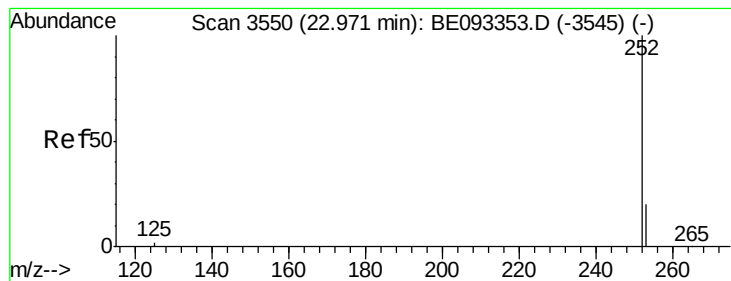


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 23.11 min Scan# 3581

Delta R.T. 0.14 min

Lab File: BE093364.D

Acq: 24 Jun 2017 16:30

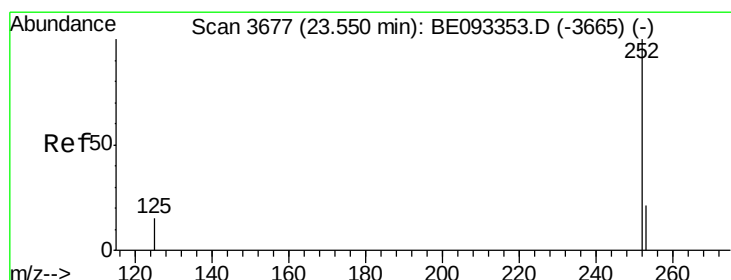
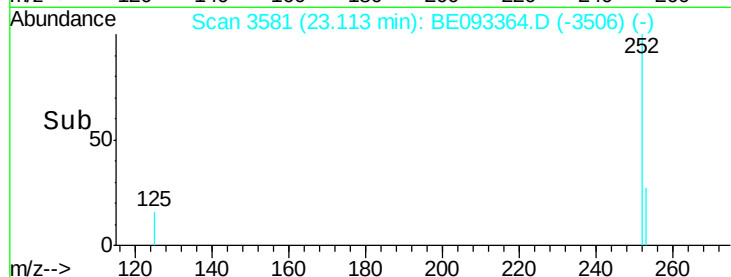
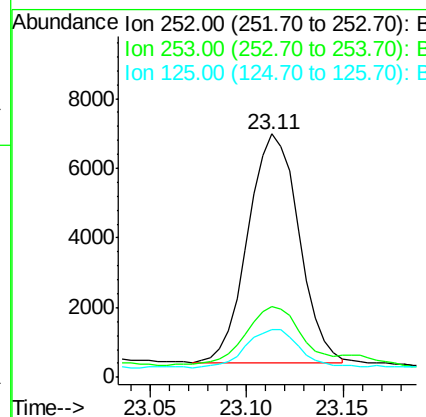
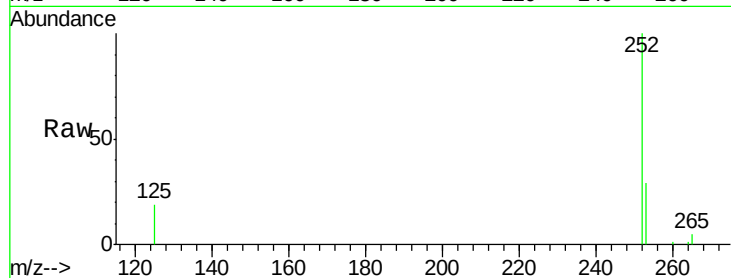
Instrument :

BNA_E

ClientSampleId :

F5A00DL

Tgt Ion:	252	Resp:	12007
Ion Ratio	Lower	Upper	
252	100		
253	29.0	24.5	36.7
125	19.5	13.7	20.5



#23

Benzo(a)pyrene

Concen: 2.95 ng/ul

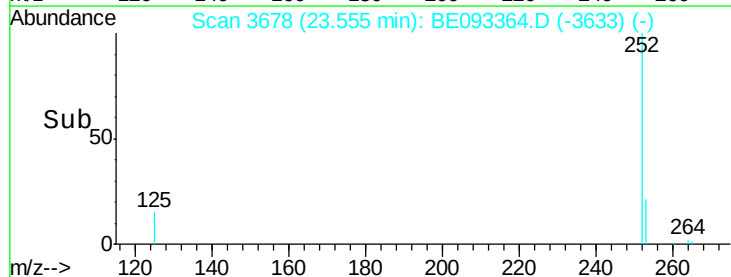
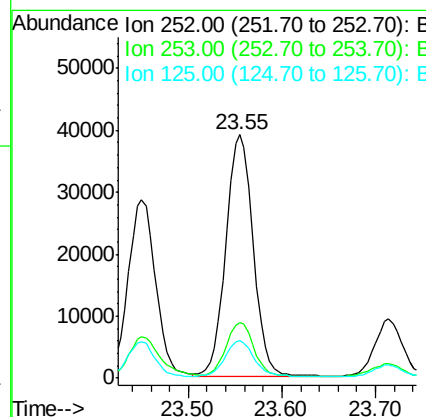
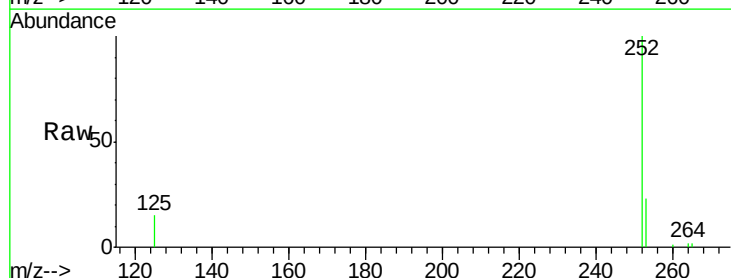
RT: 23.55 min Scan# 3678

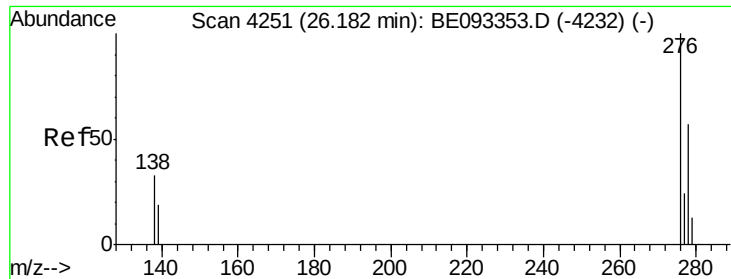
Delta R.T. 0.01 min

Lab File: BE093364.D

Acq: 24 Jun 2017 16:30

Tgt Ion:	252	Resp:	78506
Ion Ratio	Lower	Upper	
252	100		
253	22.9	28.5	42.7#
125	15.4	18.1	27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 1.52 ng/ul

RT: 26.18 min Scan# 4251

Delta R.T. -0.00 min

Lab File: BE093364.D

Acq: 24 Jun 2017 16:30

Instrument :

BNA_E

ClientSampleId :

F5A00DL

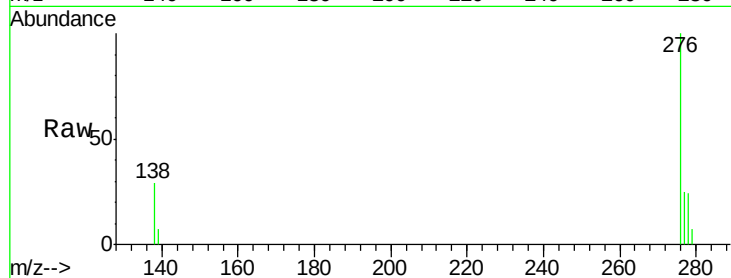
Tgt Ion:276 Resp: 46816

Ion Ratio Lower Upper

276 100

138 29.7 28.0 42.0

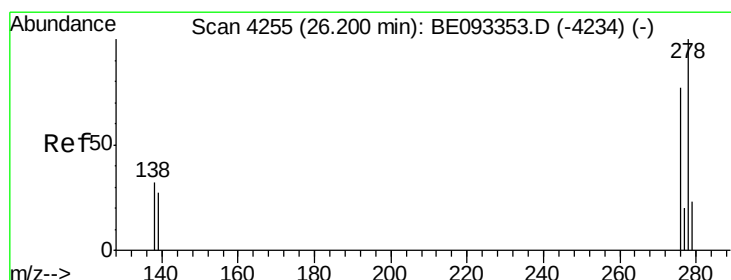
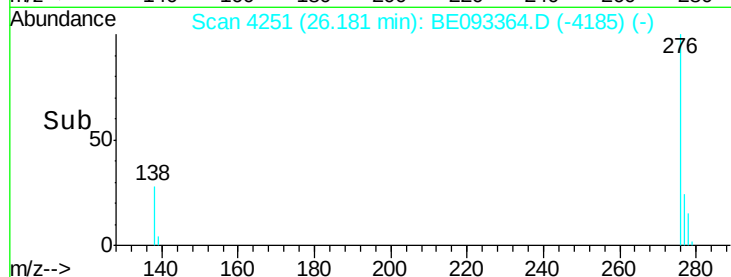
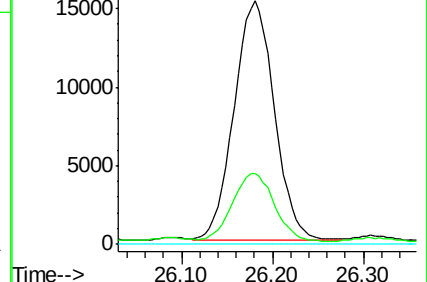
227 0.0 8.0 12.0#



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: 0.55 ng/ul

RT: 26.19 min Scan# 4254

Delta R.T. -0.01 min

Lab File: BE093364.D

Acq: 24 Jun 2017 16:30

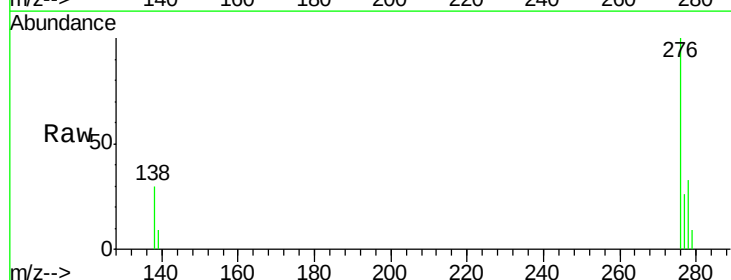
Tgt Ion:278 Resp: 14326

Ion Ratio Lower Upper

278 100

139 26.8 17.4 26.0#

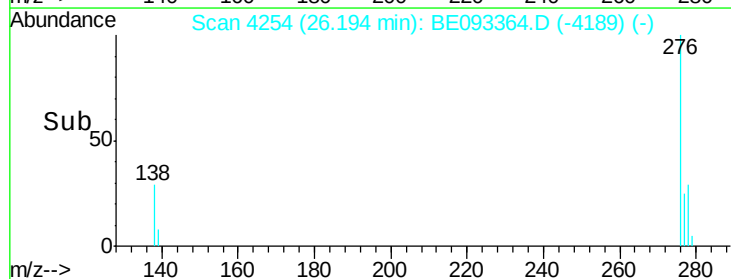
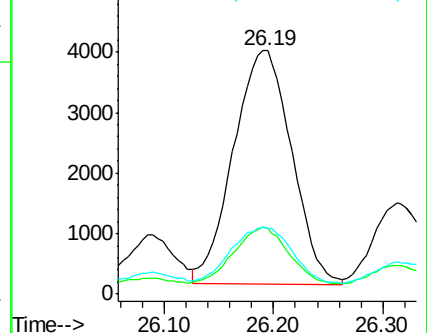
279 27.2 25.9 38.9

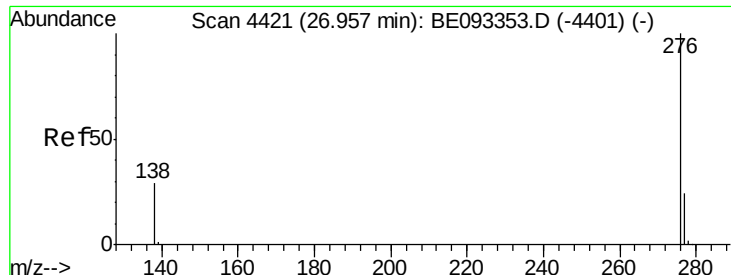


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.49 ng/ul

RT: 26.96 min Scan# 4421

Delta R.T. -0.00 min

Lab File: BE093364.D

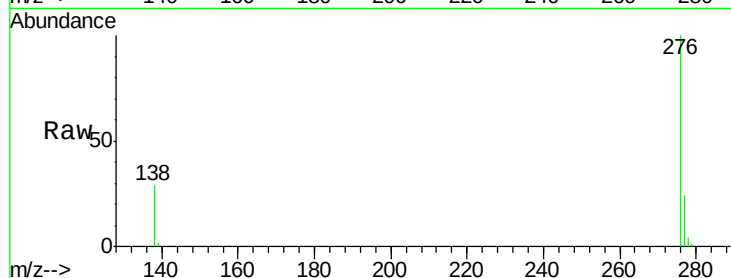
Acq: 24 Jun 2017 16:30

Instrument :

BNA_E

ClientSampleId :

F5A00DL



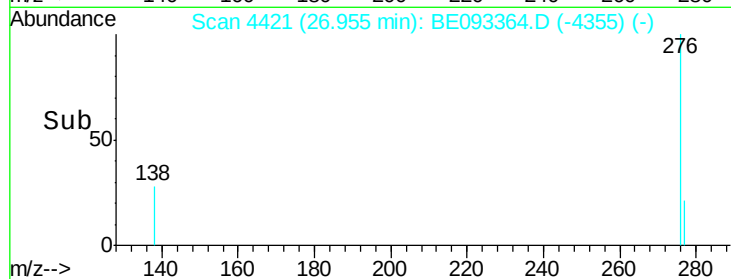
Tgt Ion: 276 Resp: 39381

Ion Ratio Lower Upper

276 100

138 29.0 21.8 32.8

277 24.2 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

