

Data File : BE093336.D
Acq On : 23 Jun 2017 13:54
Operator : SJ/JU
Sample : I3627-18DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A91DL

Quant Time: Jun 24 03:58:37 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 03:58:33 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1568	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	8554	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5318	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	12997	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	12828	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	12026	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	703	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1731	0.05	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.56	128	15321	0.72	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	4541	0.31	ng/ul	99
7) Acenaphthylene	14.09	152	489	0.02	ng/ul#	67
8) Acenaphthene	14.42	153	2204	0.12	ng/ul	99
9) Fluorene	15.41	166	5385	0.25	ng/ul	90
12) Phenanthrene	17.14	178	67576	1.89	ng/ul#	91
13) Anthracene	17.22	178	9044	0.29	ng/ul#	92
15) Fluoranthene	19.15	202	47123	1.07	ng/ul	83
17) Pyrene	19.51	202	30740	0.81	ng/ul#	88
18) Benzo(a)anthracene	21.24	228	7915	0.23	ng/ul#	86
19) Chrysene	21.29	228	6593	0.19	ng/ul	99
21) Benzo(b)fluoranthene	22.93	252	5789	0.16	ng/ul	93
22) Benzo(k)fluoranthene	22.93	252	5789	0.15	ng/ul#	94
23) Benzo(a)pyrene	23.55	252	2465	0.07	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	26.18	276	899	0.02	ng/ul#	82
26) Benzo(g,h,i)perylene	26.96	276	732	0.02	ng/ul#	72

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

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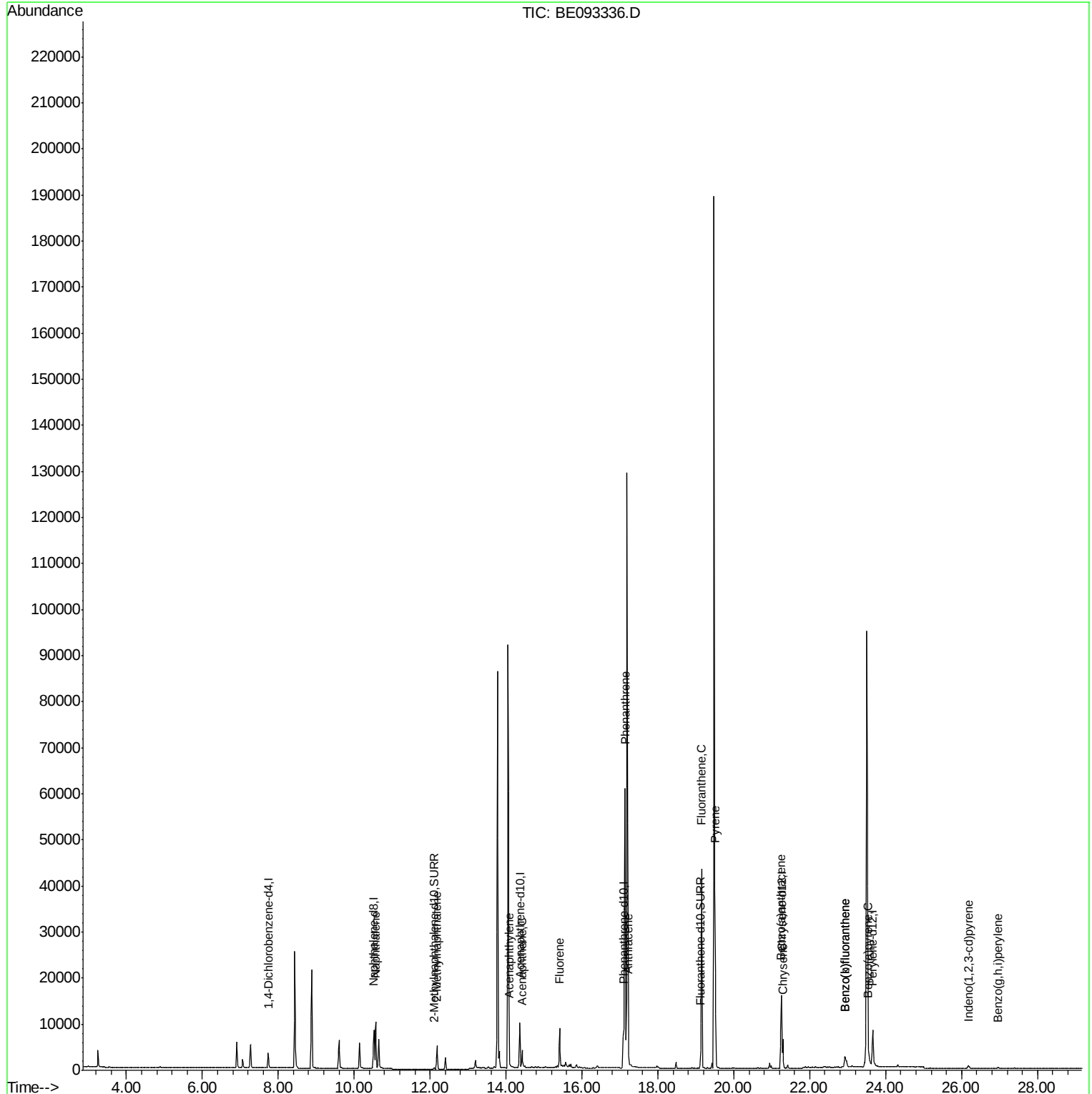
Quant Time: Jun 24 03:58:37 2017

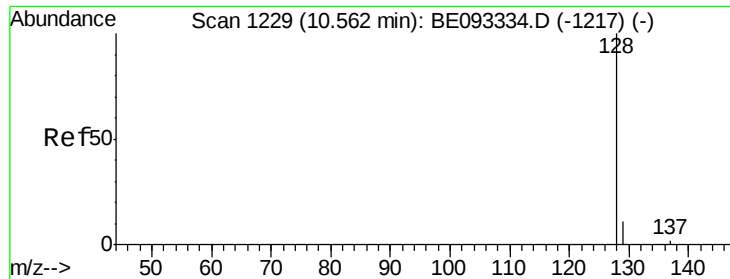
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Jun 24 03:58:33 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.72 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093336.D

Acq: 23 Jun 2017 13:54

Instrument :

BNA_E

ClientSampleId :

F5A91DL

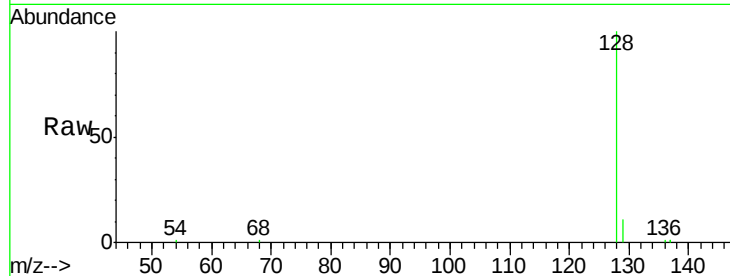
Tgt Ion:128 Resp: 15321

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9

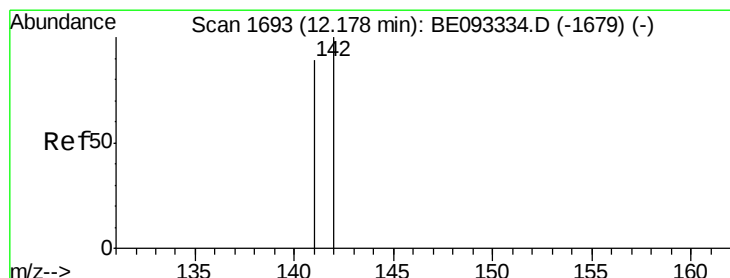
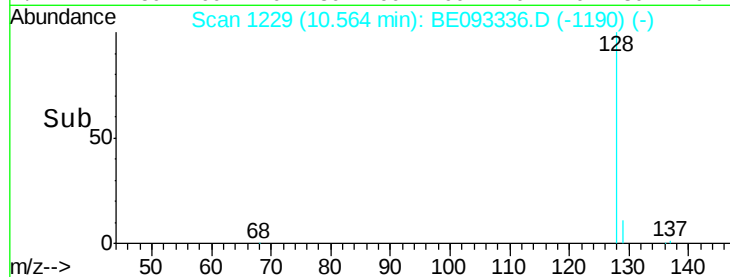
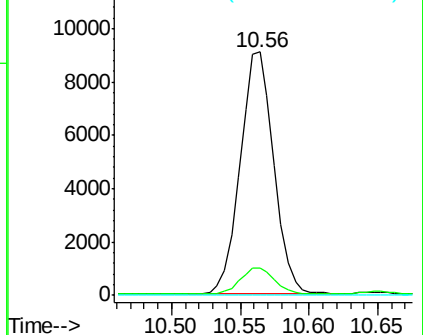
127 0.0 4.0 6.0#



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: 0.31 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. 0.00 min

Lab File: BE093336.D

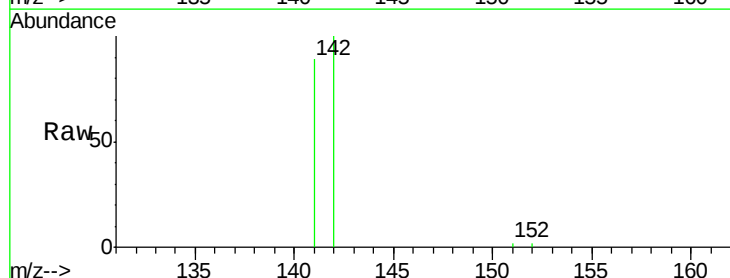
Acq: 23 Jun 2017 13:54

Tgt Ion:142 Resp: 4541

Ion Ratio Lower Upper

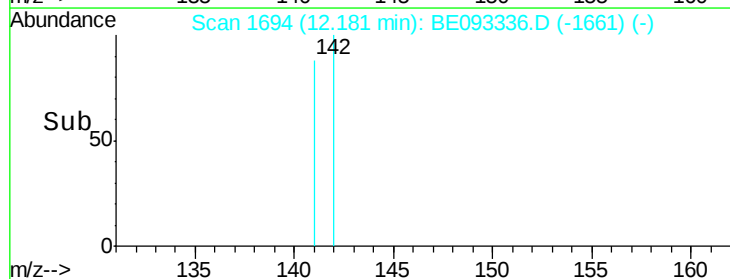
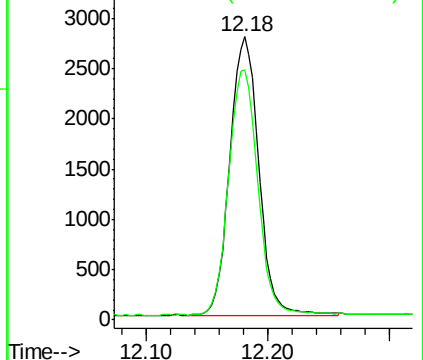
142 100

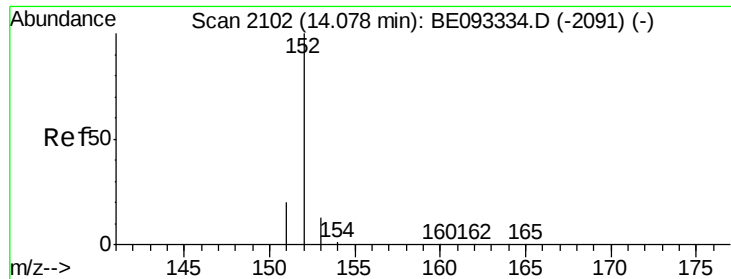
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BE093336.D

Acq: 23 Jun 2017 13:54

Instrument :

BNA_E

ClientSampleId :

F5A91DL

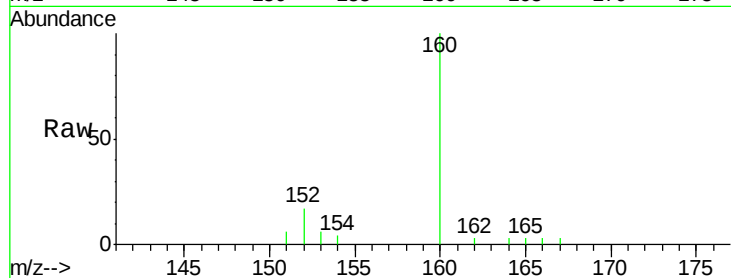
Tgt Ion:152 Resp: 489

Ion Ratio Lower Upper

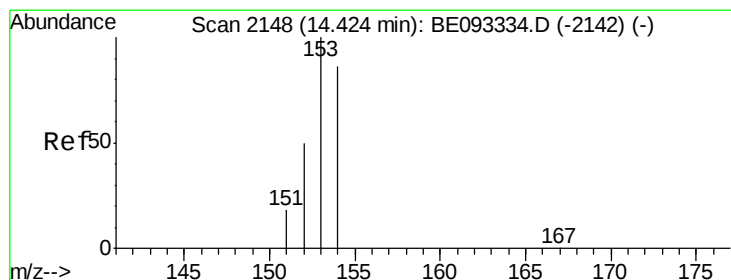
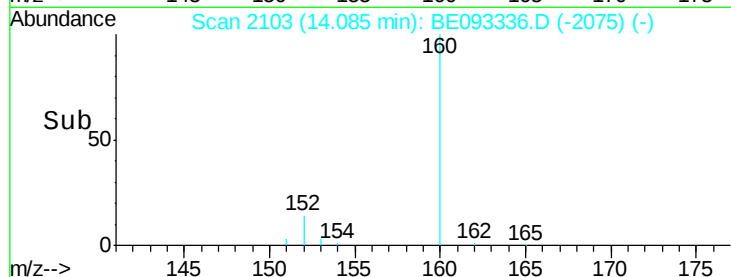
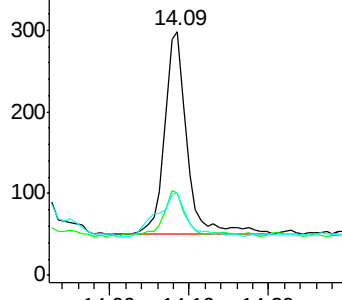
152 100

151 33.9 17.1 25.7#

153 33.9 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: 0.12 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093336.D

Acq: 23 Jun 2017 13:54

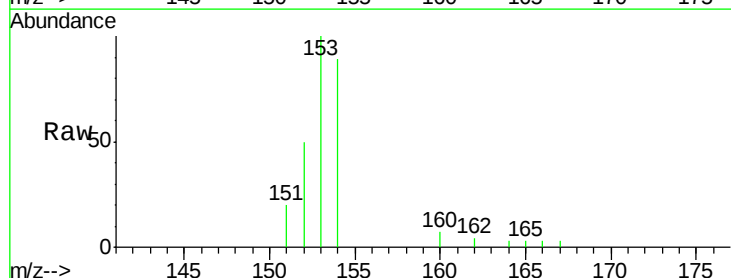
Tgt Ion:153 Resp: 2204

Ion Ratio Lower Upper

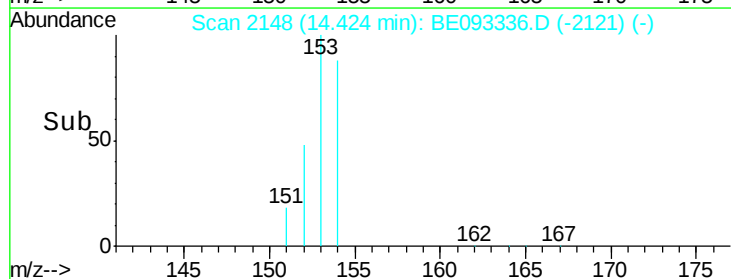
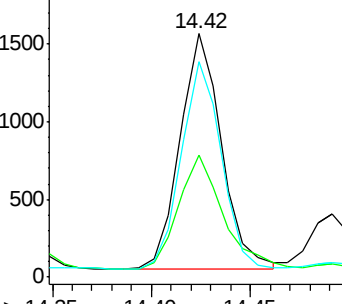
153 100

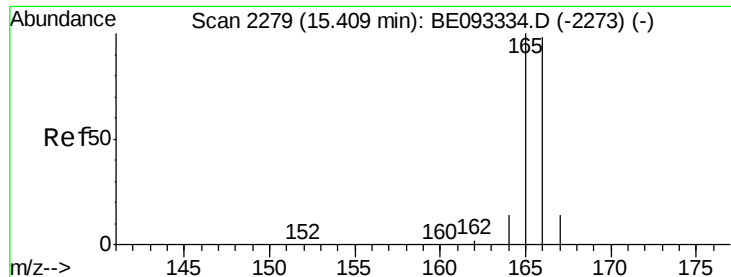
152 50.2 40.3 60.5

154 88.6 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: 0.25 ng/ul

RT: 15.41 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BE093336.D

Acq: 23 Jun 2017 13:54

Instrument :

BNA_E

ClientSampleId :

F5A91DL

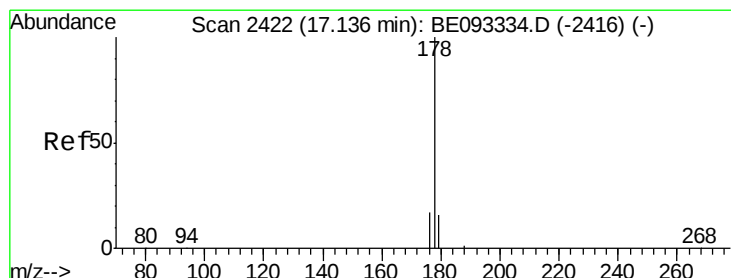
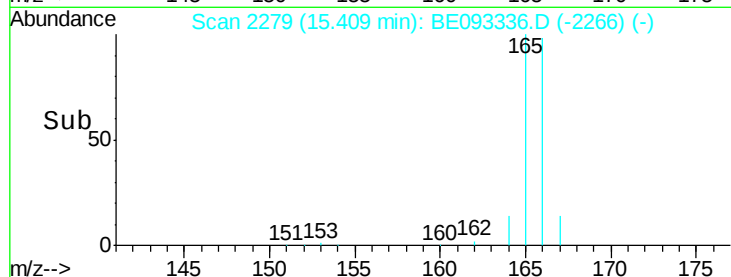
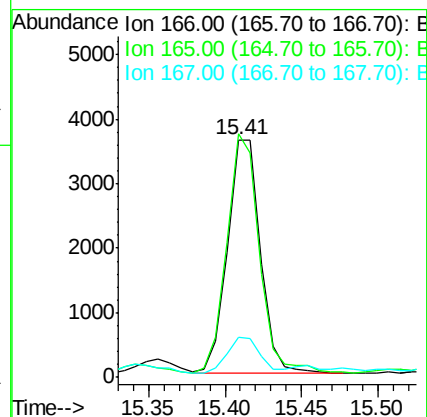
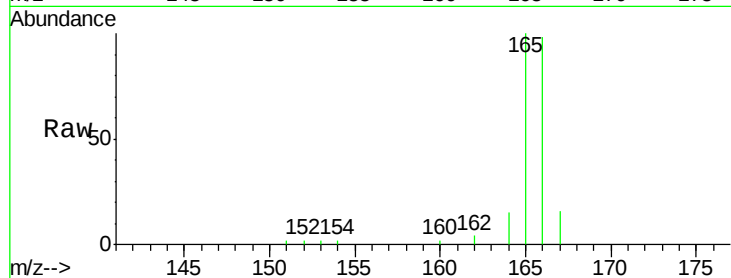
Tgt Ion:166 Resp: 5385

Ion Ratio Lower Upper

166 100

165 102.6 73.4 110.2

167 16.7 14.6 22.0



#12

Phenanthrene

Concen: 1.89 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093336.D

Acq: 23 Jun 2017 13:54

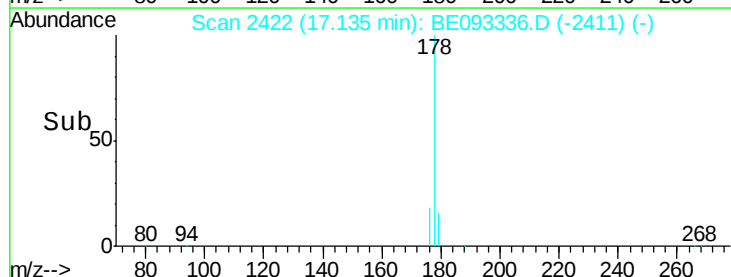
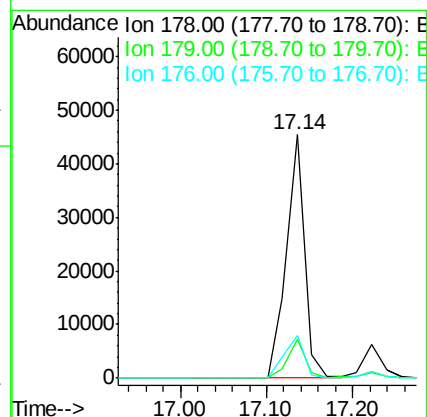
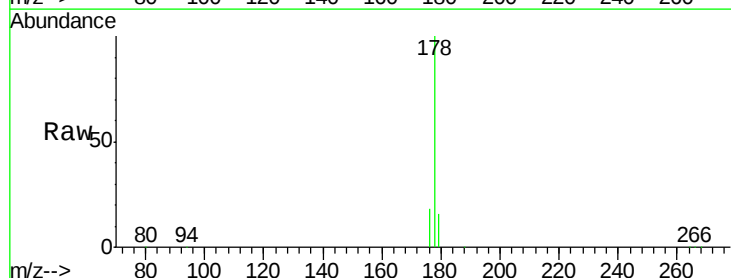
Tgt Ion:178 Resp: 67576

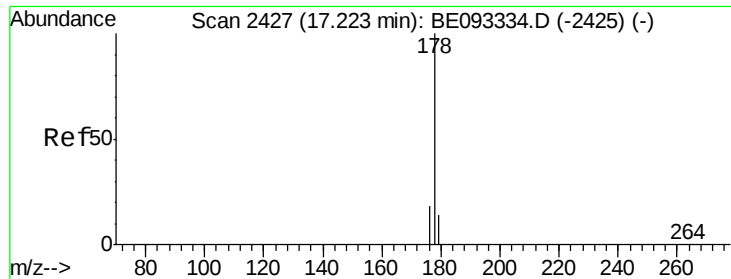
Ion Ratio Lower Upper

178 100

179 16.0 18.4 27.6#

176 17.8 13.6 20.4





#13

Anthracene

Concen: 0.29 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093336.D

Acq: 23 Jun 2017 13:54

Instrument :

BNA_E

ClientSampleId :

F5A91DL

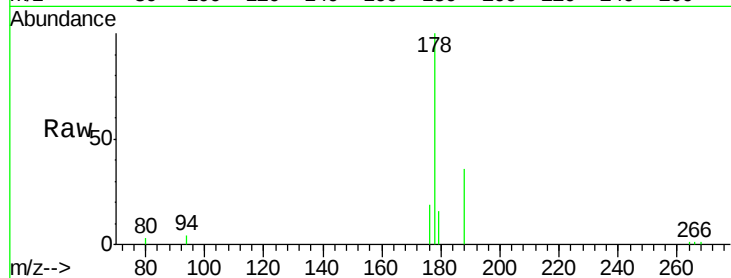
Tgt Ion:178 Resp: 9044

Ion Ratio Lower Upper

178 100

179 15.7 18.1 27.1#

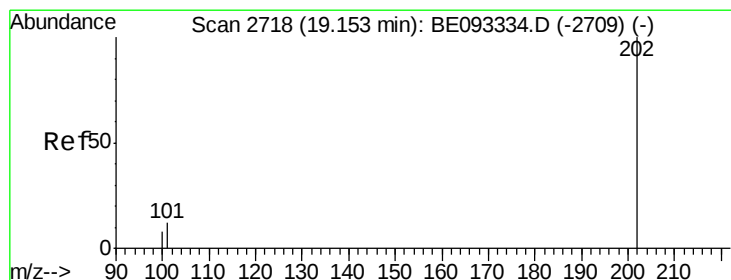
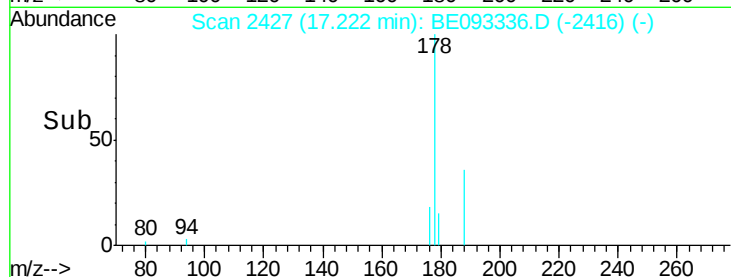
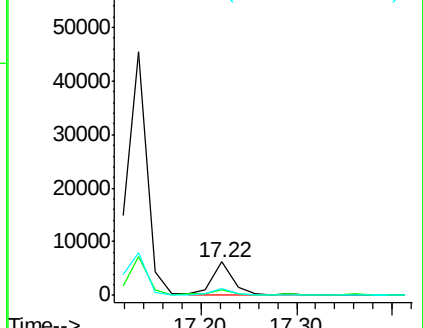
176 18.8 14.7 22.1



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: 1.07 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE093336.D

Acq: 23 Jun 2017 13:54

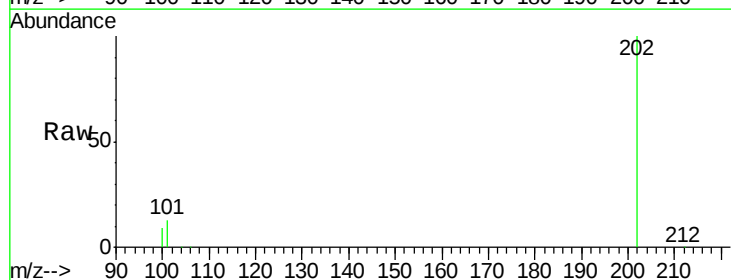
Tgt Ion:202 Resp: 47123

Ion Ratio Lower Upper

202 100

101 12.5 0.0 30.3

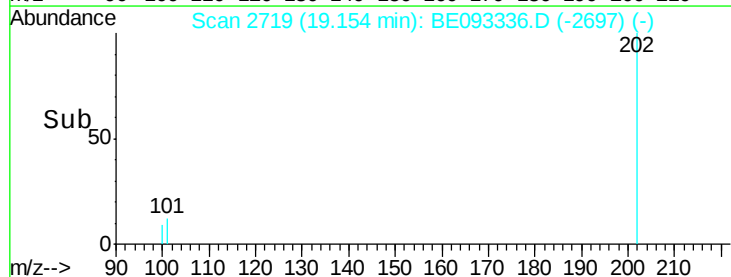
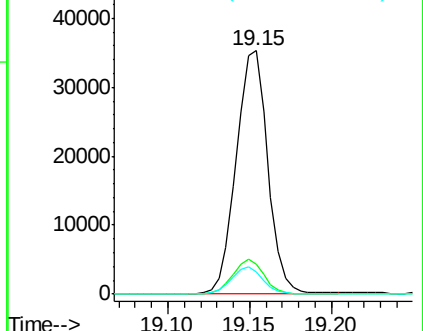
100 9.2 0.0 39.5

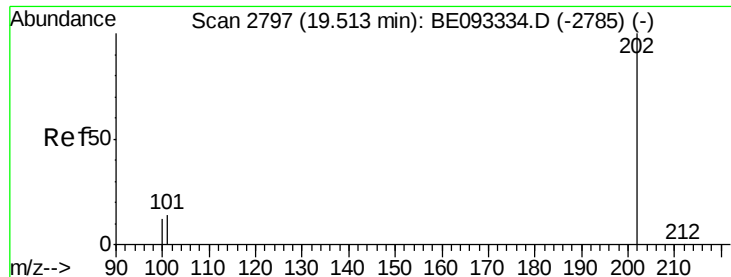


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#17

Pyrene

Concen: 0.81 ng/ul

RT: 19.51 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BE093336.D

Acq: 23 Jun 2017 13:54

Instrument :

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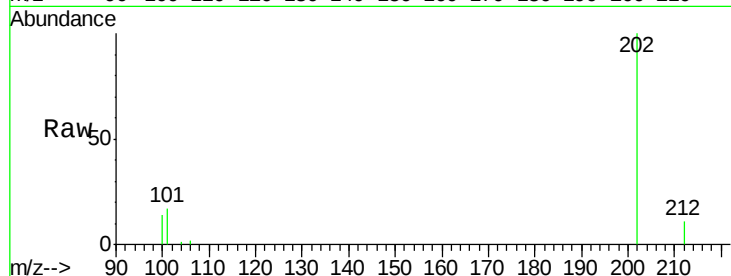
Tgt Ion:202 Resp: 30740

Ion Ratio Lower Upper

202 100

101 17.0 18.2 27.4#

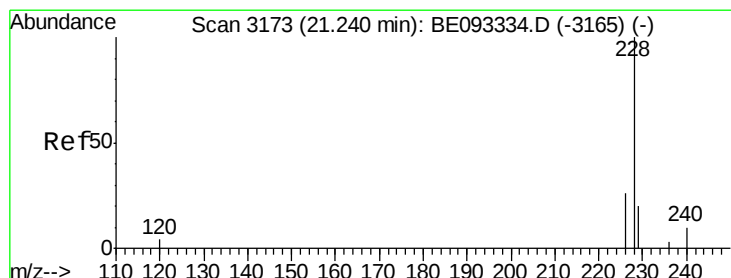
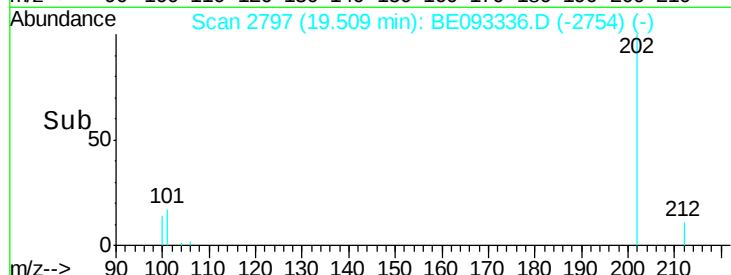
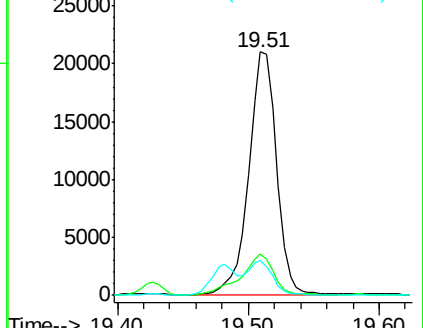
100 14.2 15.6 23.4#



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: 0.23 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE093336.D

Acq: 23 Jun 2017 13:54

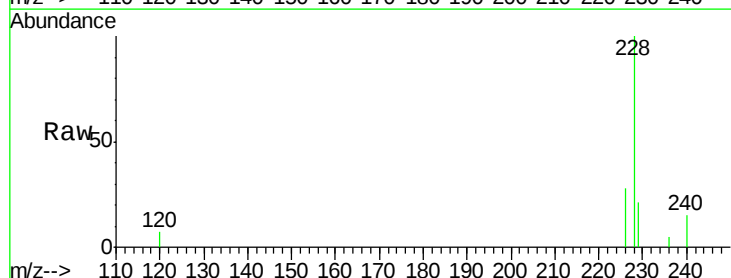
Tgt Ion:228 Resp: 7915

Ion Ratio Lower Upper

228 100

229 21.0 22.8 34.2#

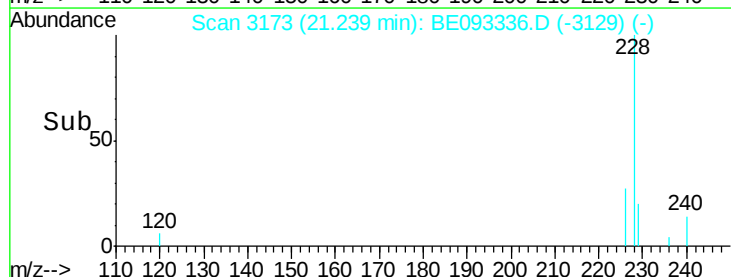
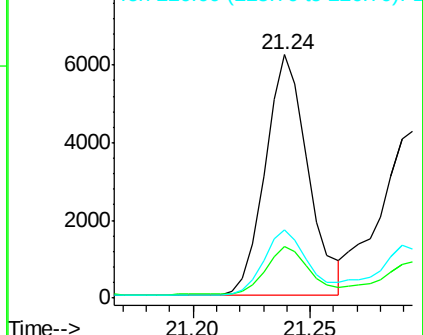
226 28.1 17.0 25.6#

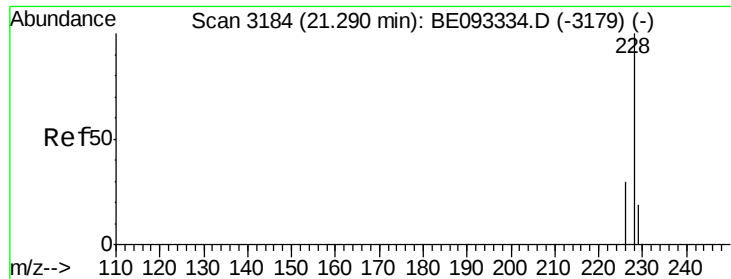


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.19 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. 0.00 min

Lab File: BE093336.D

Acq: 23 Jun 2017 13:54

Instrument :

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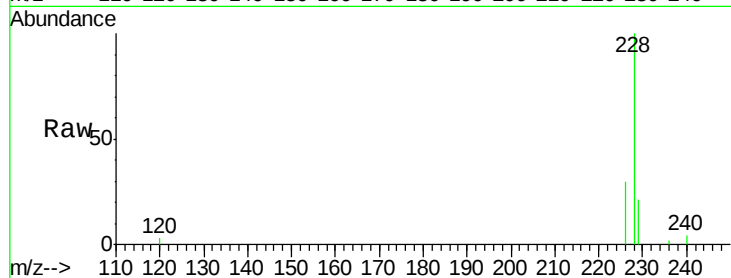
Tgt Ion:228 Resp: 6593

Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.0

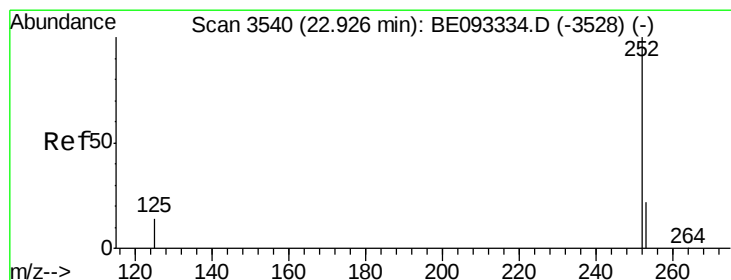
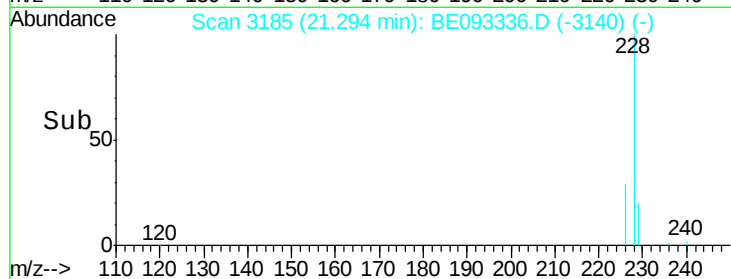
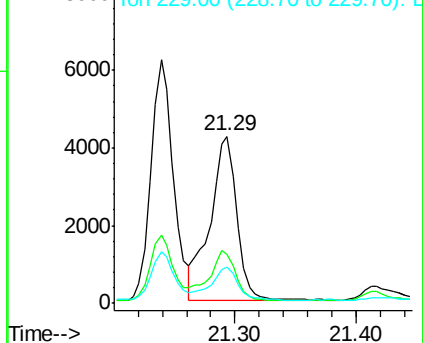
229 21.5 17.7 26.5



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: 0.16 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093336.D

Acq: 23 Jun 2017 13:54

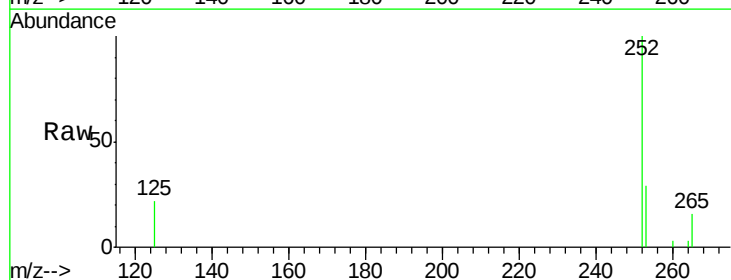
Tgt Ion:252 Resp: 5789

Ion Ratio Lower Upper

252 100

253 28.8 0.0 64.2

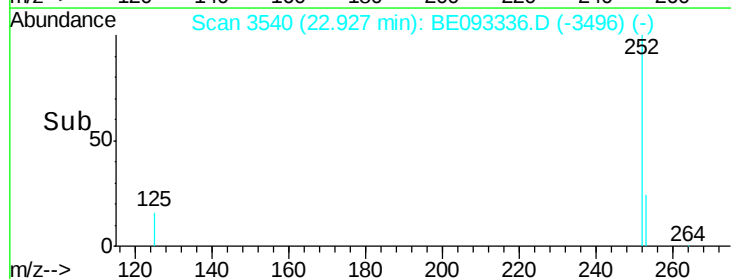
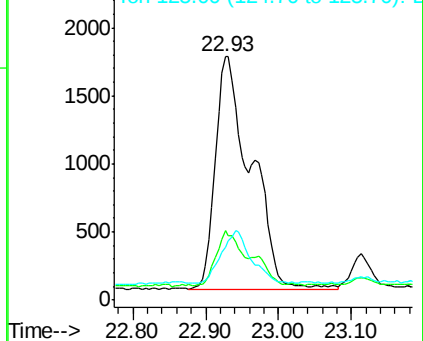
125 21.6 0.0 35.0

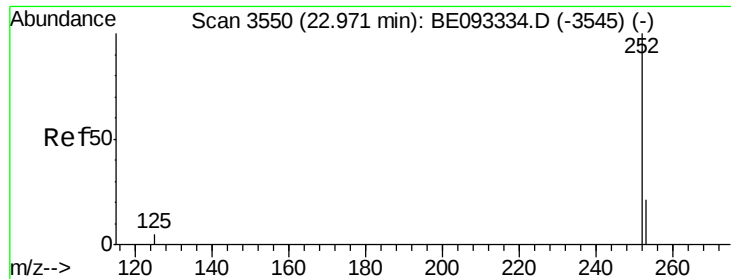


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

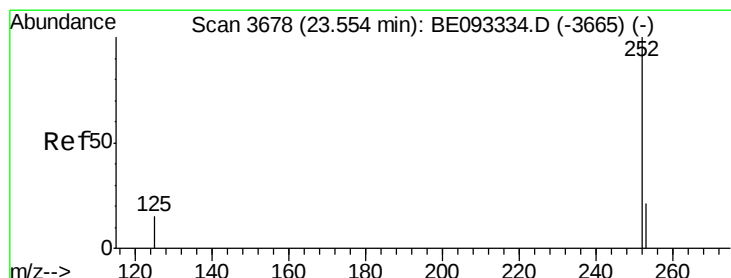
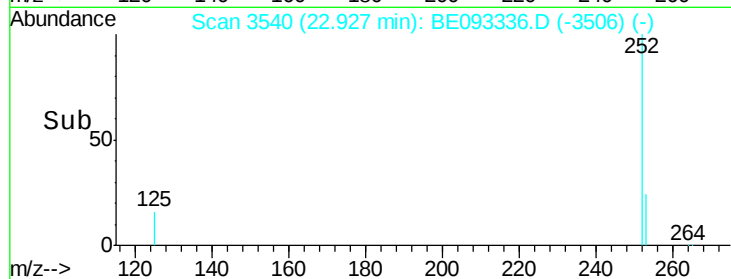
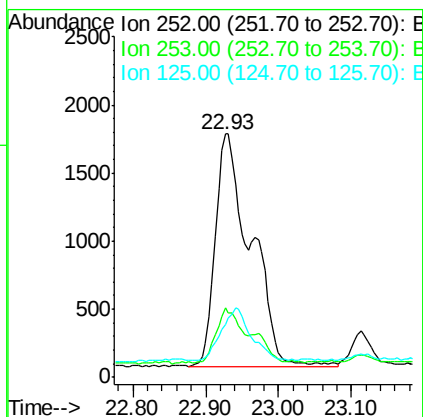
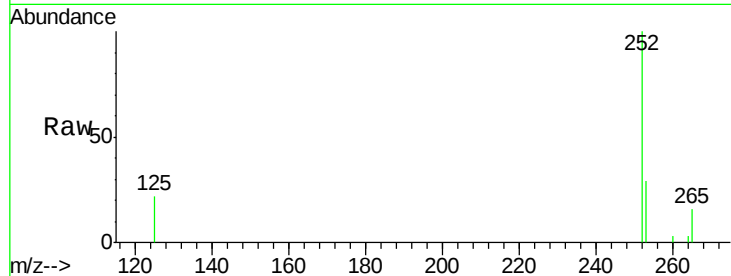




#22
Benzo(k)fluoranthene
Concen: 0.15 ng/u1
RT: 22.93 min Scan# 3540
Delta R.T. -0.04 min
Lab File: BE093336.D
Acq: 23 Jun 2017 13:54

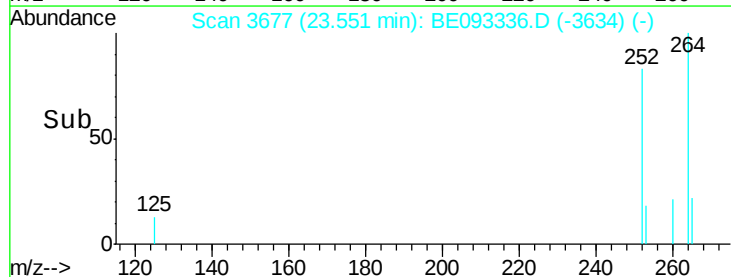
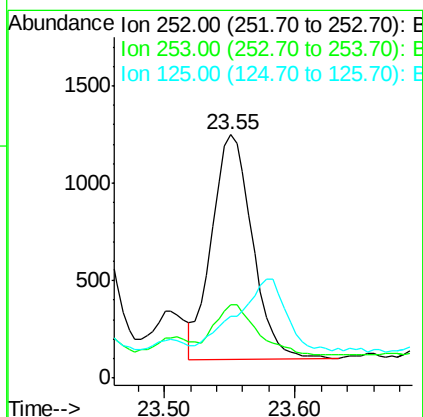
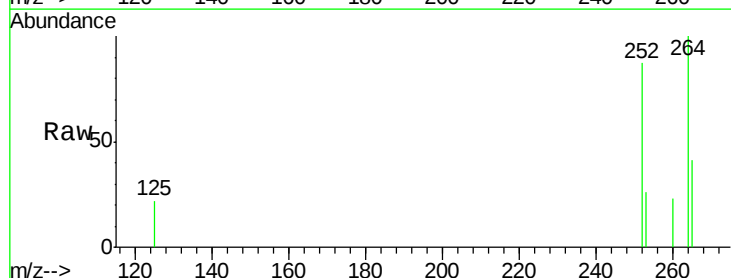
Instrument :
BNA_E
ClientSampleId :
F5A91DL

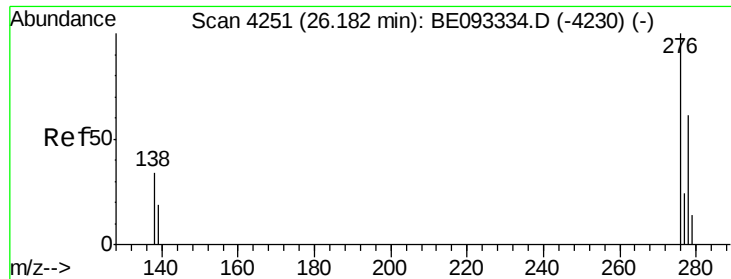
Tgt Ion:252 Resp: 5789
Ion Ratio Lower Upper
252 100
253 28.8 24.5 36.7
125 21.6 13.7 20.5#



#23
Benzo(a)pyrene
Concen: 0.07 ng/u1
RT: 23.55 min Scan# 3677
Delta R.T. -0.00 min
Lab File: BE093336.D
Acq: 23 Jun 2017 13:54

Tgt Ion:252 Resp: 2465
Ion Ratio Lower Upper
252 100
253 30.0 28.5 42.7
125 25.6 18.1 27.1





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng/ul

RT: 26.18 min Scan# 4251

Delta R.T. -0.00 min

Lab File: BE093336.D

Acq: 23 Jun 2017 13:54

Instrument :

BNA_E

ClientSampleId :

F5A91DL

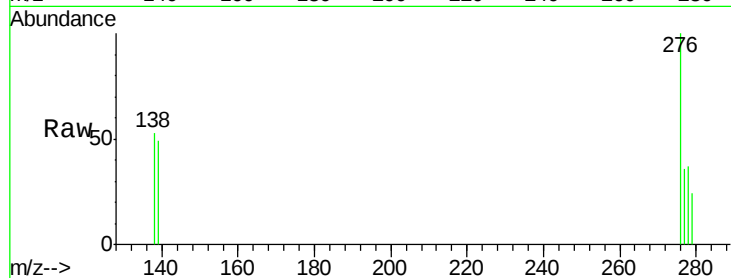
Tgt Ion:276 Resp: 899

Ion Ratio Lower Upper

276 100

138 43.6 28.0 42.0#

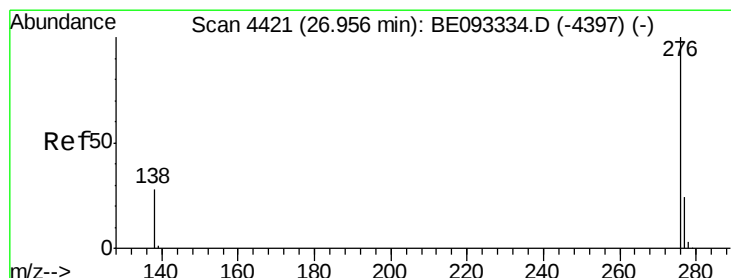
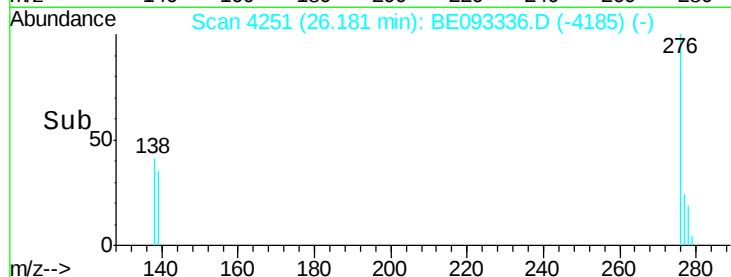
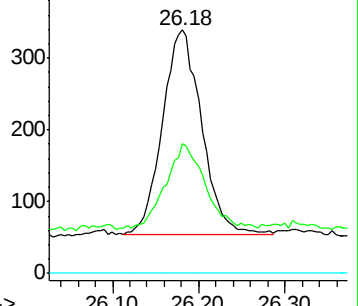
227 0.0 8.0 12.0#



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



#26

Benzo(g,h,i)perylene

Concen: 0.02 ng/ul

RT: 26.96 min Scan# 4422

Delta R.T. 0.00 min

Lab File: BE093336.D

Acq: 23 Jun 2017 13:54

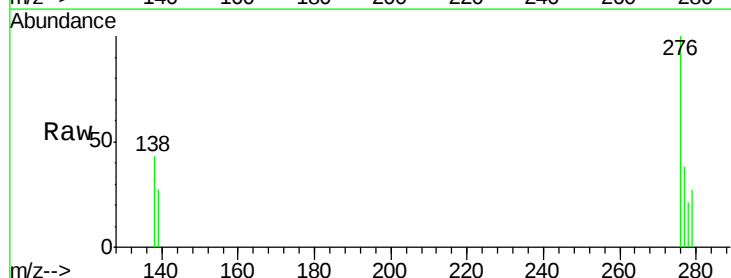
Tgt Ion:276 Resp: 732

Ion Ratio Lower Upper

276 100

138 43.4 21.8 32.8#

277 37.8 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

