

Data File : BE093337.D
Acq On : 23 Jun 2017 14:30
Operator : SJ/JU
Sample : I3627-19DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A92DL

Quant Time: Jun 24 03:58:47 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	1401	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	7665	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4799	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	11712	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	11753	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11258	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	729	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1830	0.06	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	70208	3.69	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	5488	0.42	ng/ul	99
7) Acenaphthylene	14.08	152	468	0.02	ng/ul#	73
8) Acenaphthene	14.42	153	3004	0.18	ng/ul	99
9) Fluorene	15.41	166	5399	0.28	ng/ul	90
12) Phenanthrene	17.13	178	23288	0.72	ng/ul#	91
13) Anthracene	17.22	178	1991	0.07	ng/ul	95
15) Fluoranthene	19.15	202	3972	0.10	ng/ul	84
17) Pyrene	19.51	202	3510	0.10	ng/ul#	91
18) Benzo(a)anthracene	21.24	228	710	0.02	ng/ul#	89
19) Chrysene	21.29	228	779	0.02	ng/ul#	88
21) Benzo(b)fluoranthene	22.93	252	725	0.02	ng/ul#	53
22) Benzo(k)fluoranthene	22.97	252	418	0.01	ng/ul#	46
23) Benzo(a)pyrene	23.55	252	489	0.02	ng/ul#	54
24) Indeno(1,2,3-cd)pyrene	26.18	276	390	0.01	ng/ul#	50
26) Benzo(g,h,i)perylene	26.96	276	331	0.01	ng/ul#	46

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

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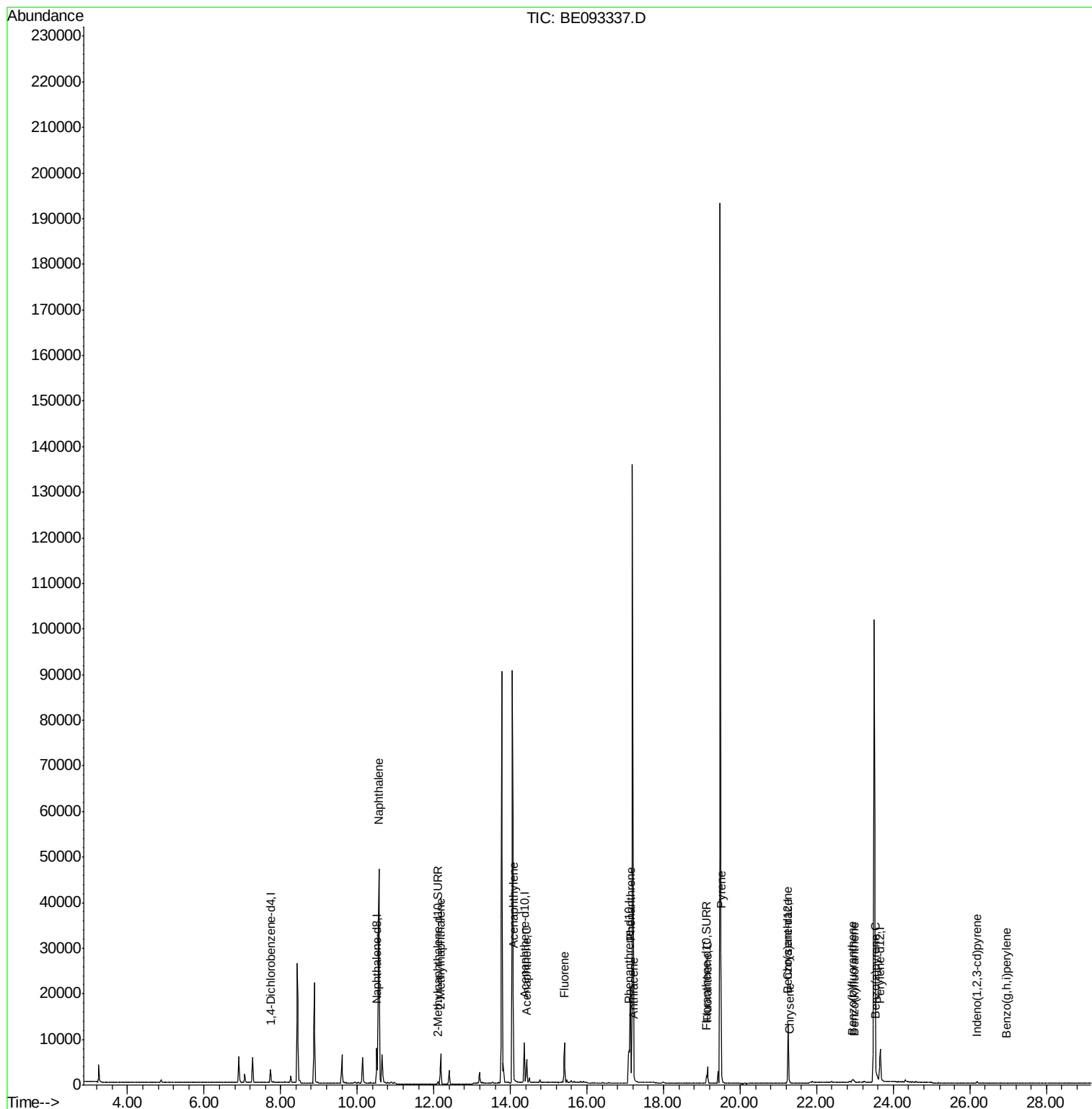
Quant Time: Jun 24 03:58:47 2017

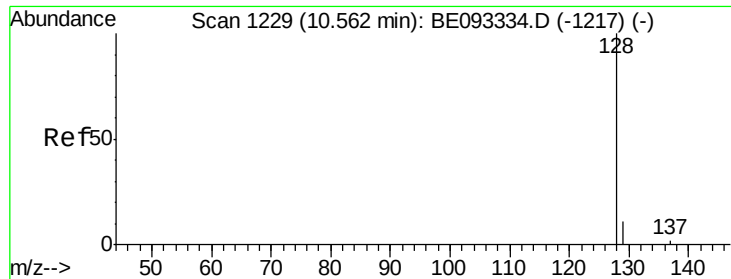
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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

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#3

Naphthalene

Concen: 3.69 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093337.D

Acq: 23 Jun 2017 14:30

Instrument :

BNA_E

ClientSampleId :

F5A92DL

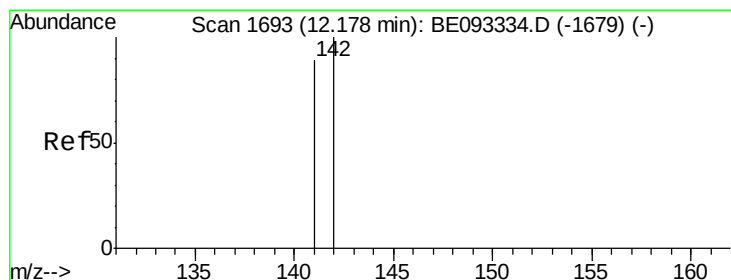
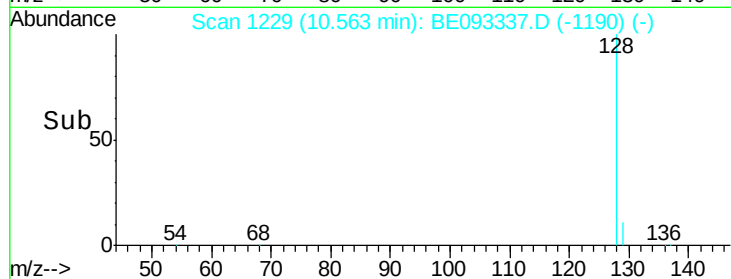
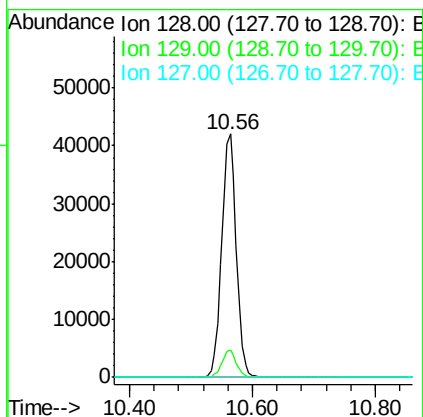
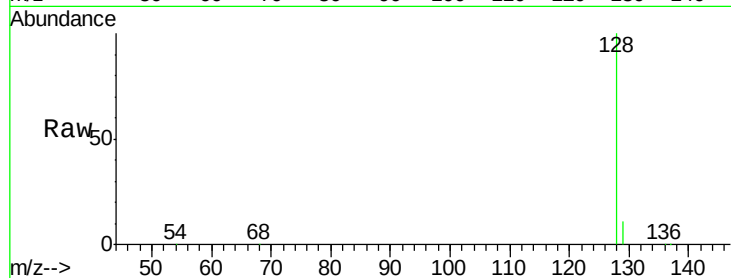
Tgt Ion:128 Resp: 70208

Ion Ratio Lower Upper

128 100

129 11.1 11.3 16.9#

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.42 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. 0.00 min

Lab File: BE093337.D

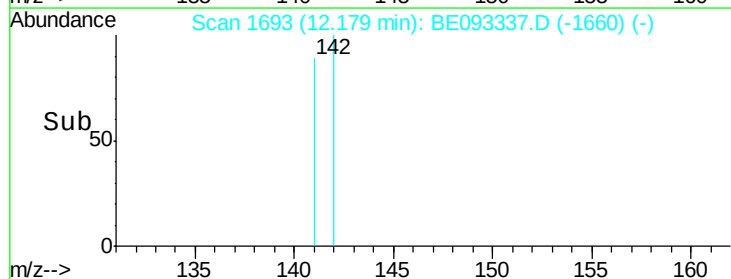
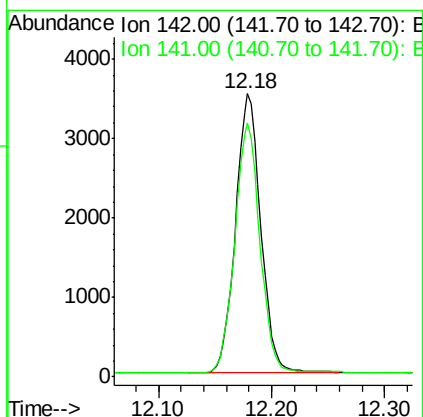
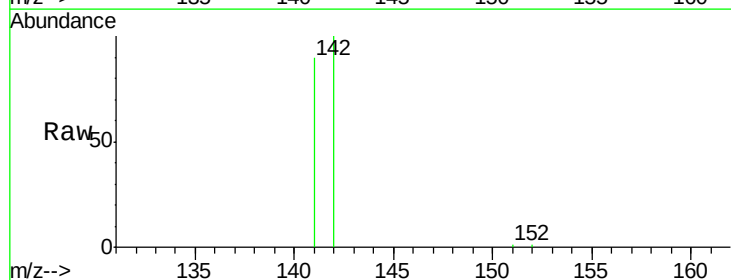
Acq: 23 Jun 2017 14:30

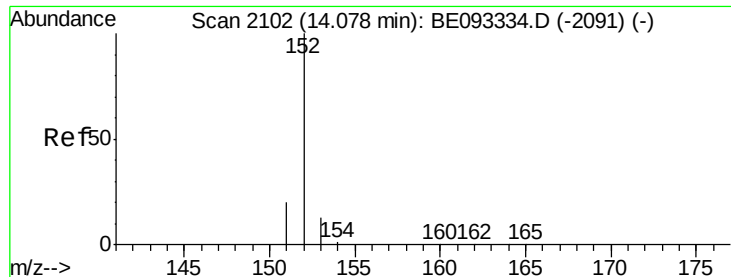
Tgt Ion:142 Resp: 5488

Ion Ratio Lower Upper

142 100

141 89.4 72.6 108.8





#7

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BE093337.D

Acq: 23 Jun 2017 14:30

Instrument :

BNA_E

ClientSampleId :

F5A92DL

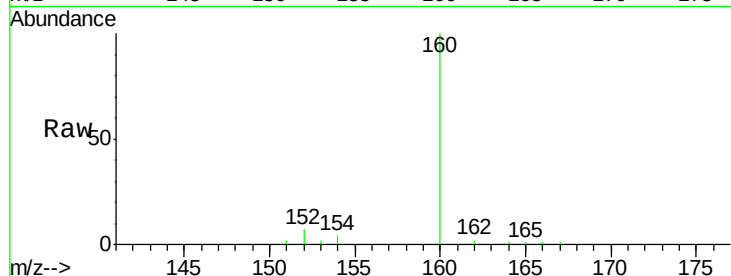
Tgt Ion:152 Resp: 468

Ion Ratio Lower Upper

152 100

151 32.0 17.1 25.7#

153 29.8 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

14.08

300

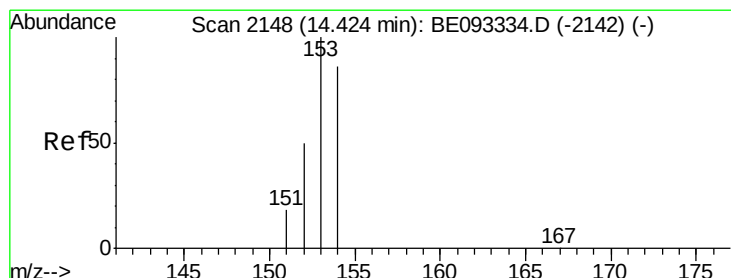
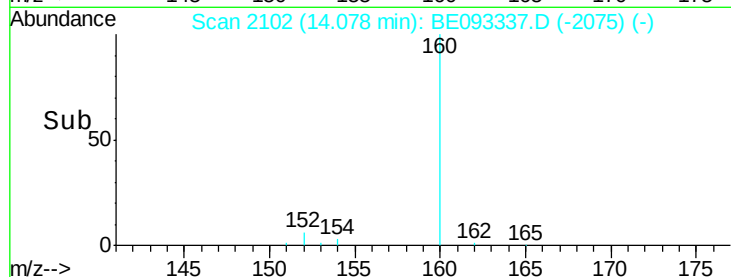
200

100

0

Time-->

13.90 14.00 14.10 14.20



#8

Acenaphthene

Concen: 0.18 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. 0.00 min

Lab File: BE093337.D

Acq: 23 Jun 2017 14:30

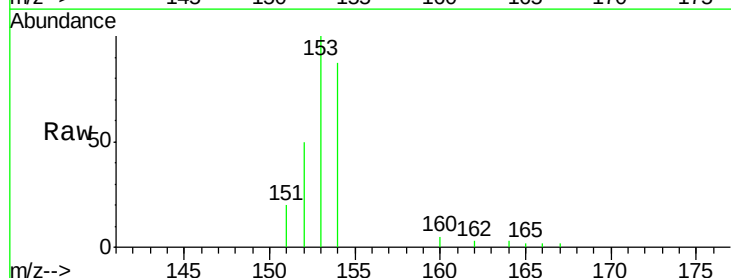
Tgt Ion:153 Resp: 3004

Ion Ratio Lower Upper

153 100

152 50.2 40.3 60.5

154 87.4 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

2500

2000

1500

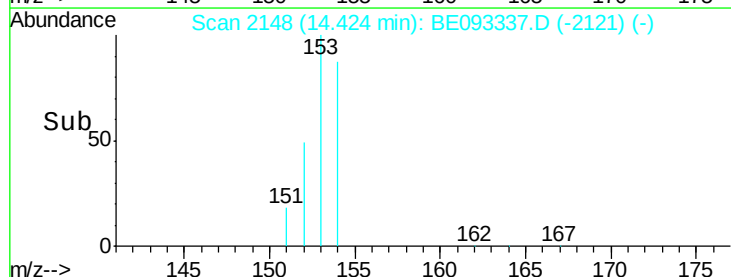
1000

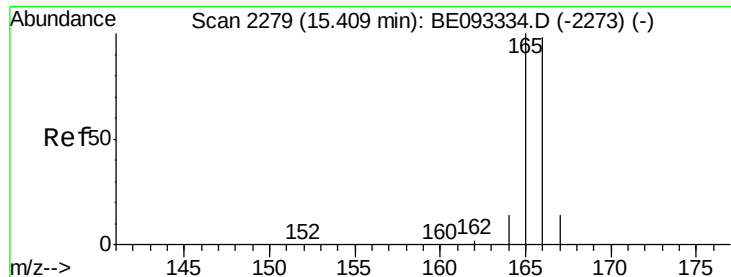
500

0

Time-->

14.35 14.40 14.45





#9

Fluorene

Concen: 0.28 ng/ul

RT: 15.41 min Scan# 2279

Delta R.T. 0.00 min

Lab File: BE093337.D

Acq: 23 Jun 2017 14:30

Instrument :

BNA_E

ClientSampleId :

F5A92DL

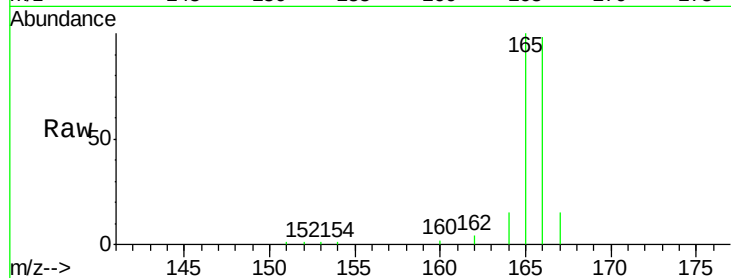
Tgt Ion:166 Resp: 5399

Ion Ratio Lower Upper

166 100

165 101.8 73.4 110.2

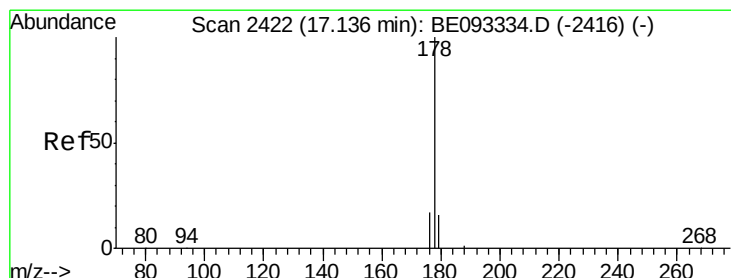
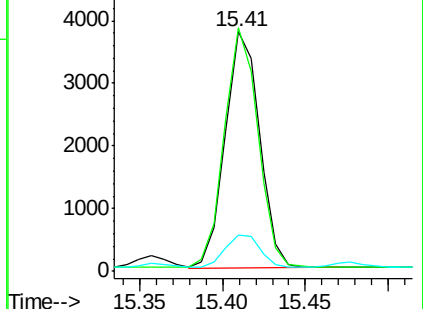
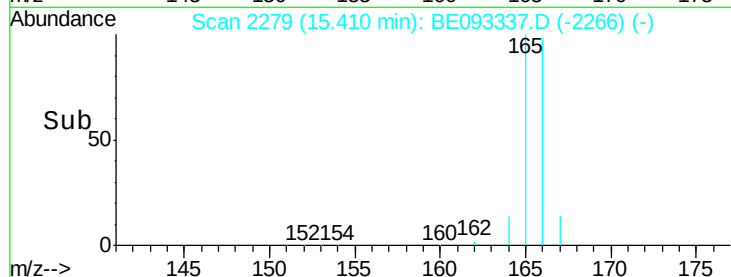
167 15.4 14.6 22.0



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: 0.72 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093337.D

Acq: 23 Jun 2017 14:30

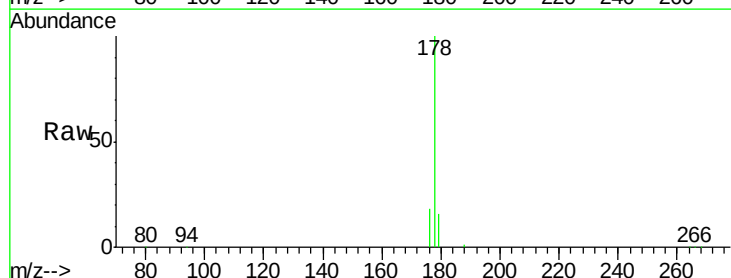
Tgt Ion:178 Resp: 23288

Ion Ratio Lower Upper

178 100

179 16.5 18.4 27.6#

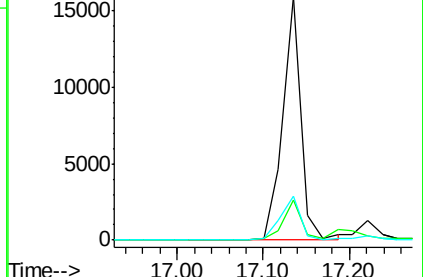
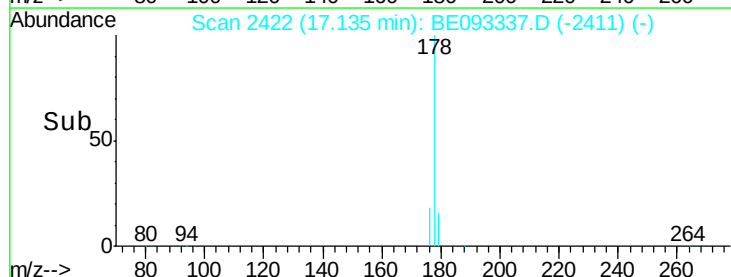
176 17.9 13.6 20.4

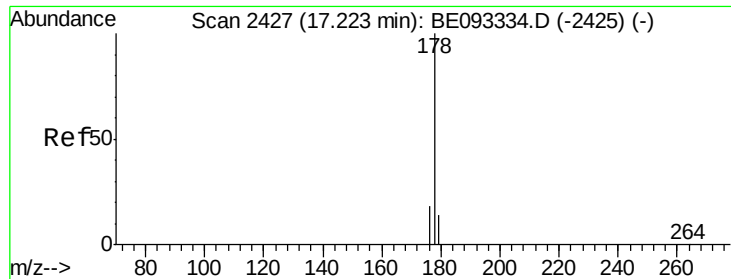


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.07 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093337.D

Acq: 23 Jun 2017 14:30

Instrument :

BNA_E

ClientSampleId :

F5A92DL

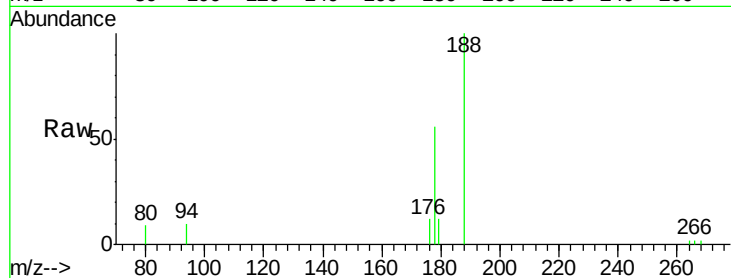
Tgt Ion:178 Resp: 1991

Ion Ratio Lower Upper

178 100

179 20.7 18.1 27.1

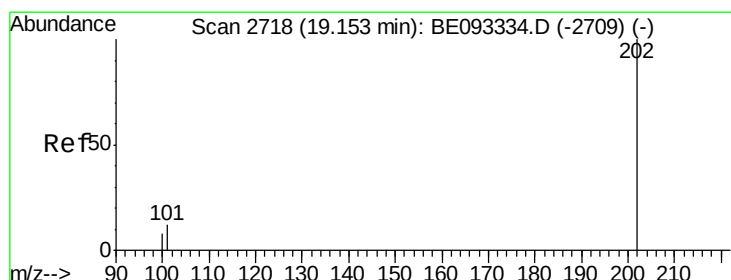
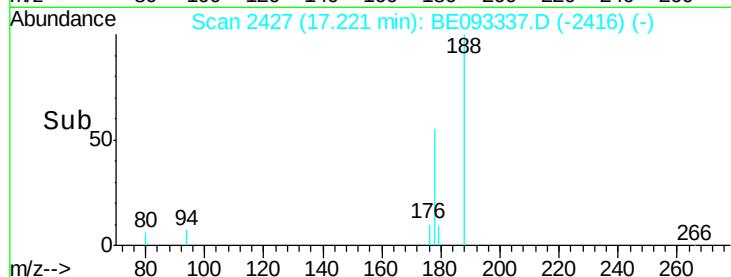
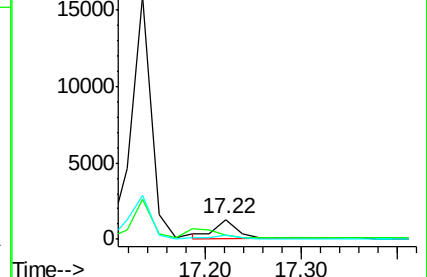
176 21.6 14.7 22.1



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: 0.10 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093337.D

Acq: 23 Jun 2017 14:30

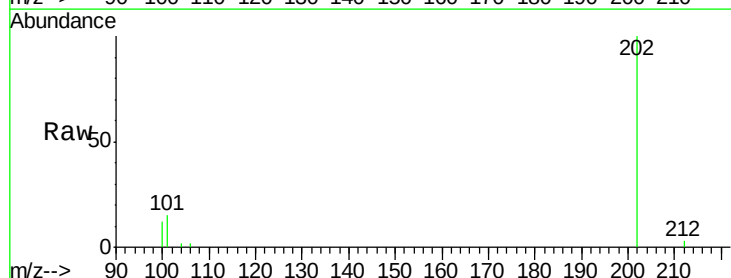
Tgt Ion:202 Resp: 3972

Ion Ratio Lower Upper

202 100

101 15.1 0.0 30.3

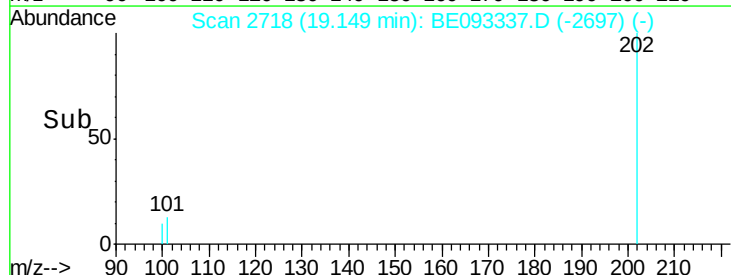
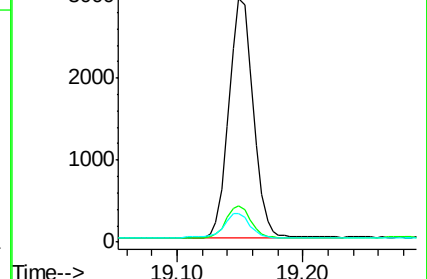
100 11.7 0.0 39.5

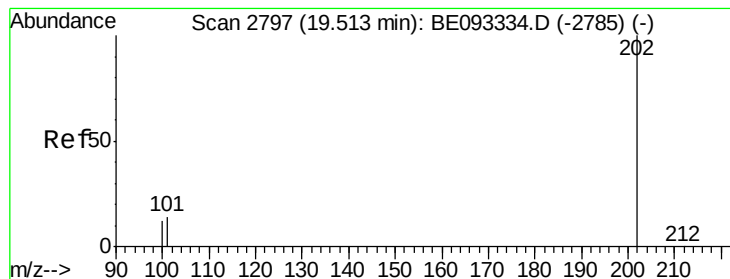


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pyrene

Concen: 0.10 ng/ul

RT: 19.51 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BE093337.D

Acq: 23 Jun 2017 14:30

Instrument :

BNA_E

ClientSampleId :

F5A92DL

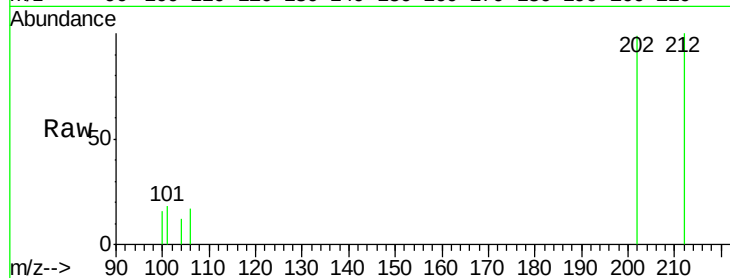
Tgt Ion:202 Resp: 3510

Ion Ratio Lower Upper

202 100

101 18.1 18.2 27.4#

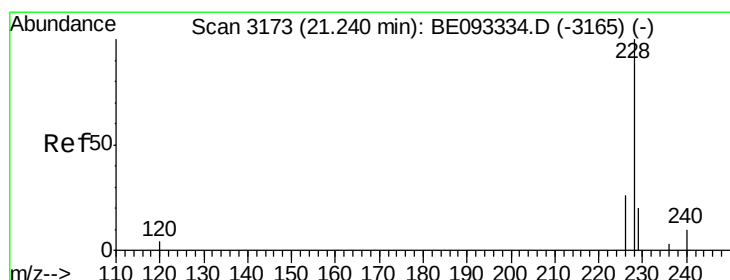
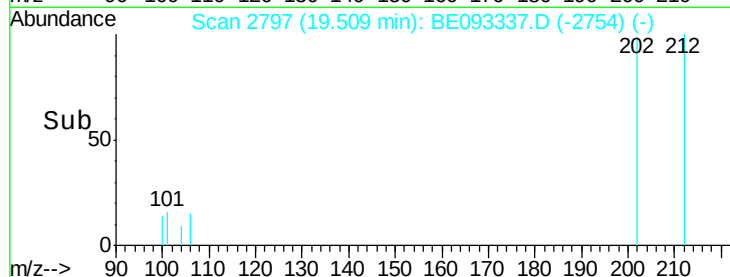
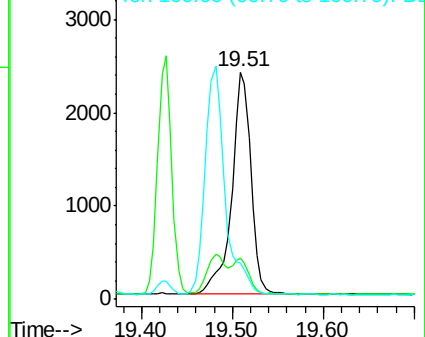
100 15.8 15.6 23.4



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: 0.02 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093337.D

Acq: 23 Jun 2017 14:30

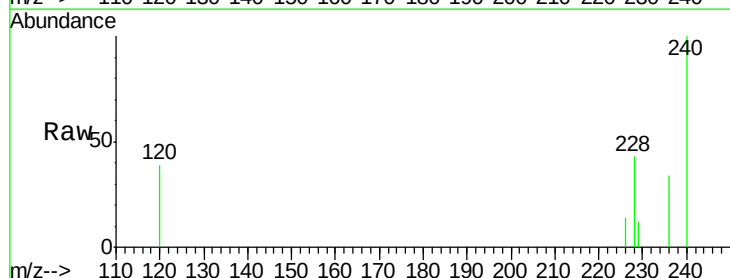
Tgt Ion:228 Resp: 710

Ion Ratio Lower Upper

228 100

229 28.1 22.8 34.2

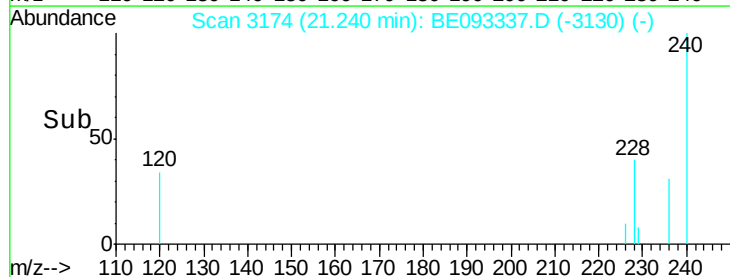
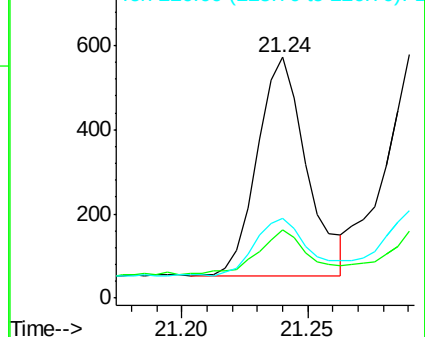
226 33.0 17.0 25.6#

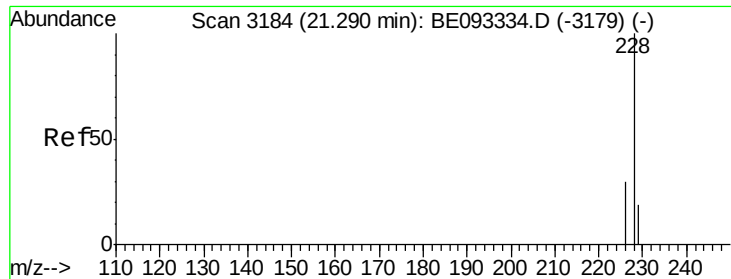


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.02 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093337.D

Acq: 23 Jun 2017 14:30

Instrument :

BNA_E

ClientSampleId :

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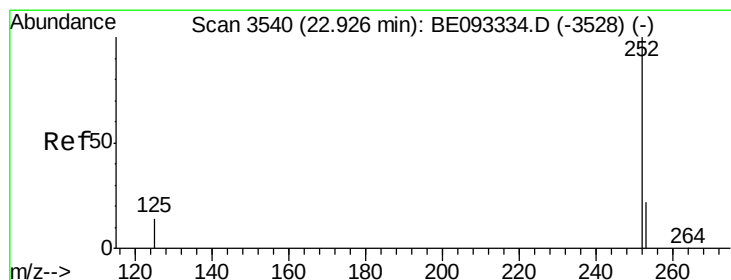
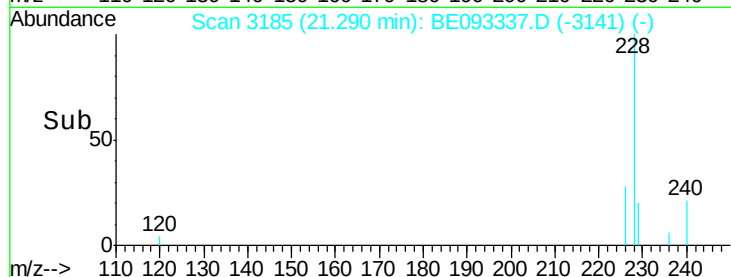
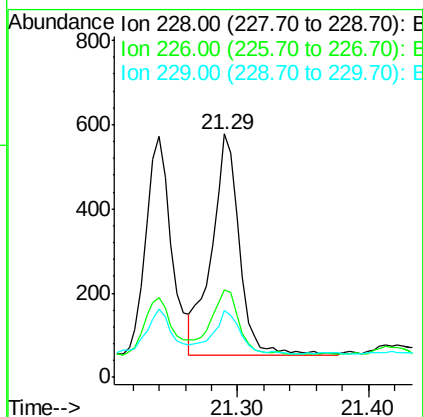
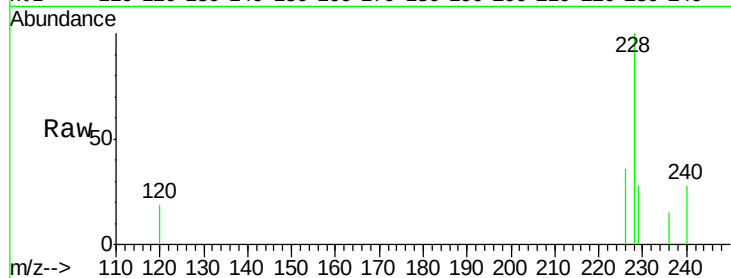
Tgt Ion:228 Resp: 779

Ion Ratio Lower Upper

228 100

226 35.8 23.4 35.0#

229 27.5 17.7 26.5#



#21

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093337.D

Acq: 23 Jun 2017 14:30

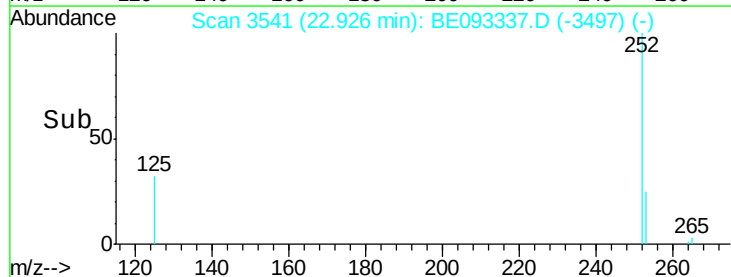
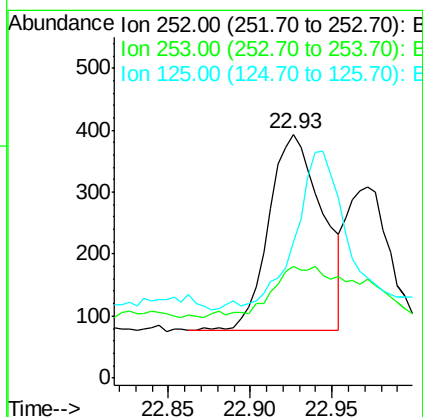
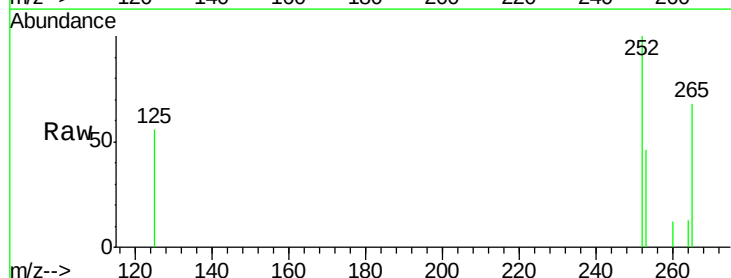
Tgt Ion:252 Resp: 725

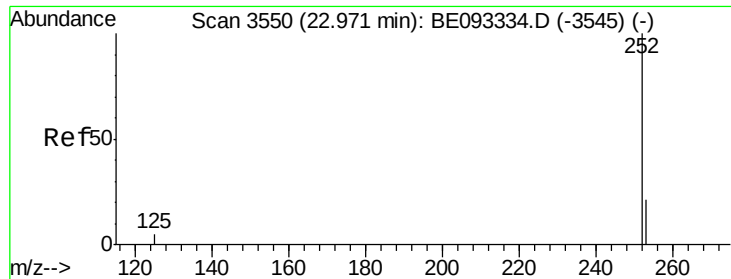
Ion Ratio Lower Upper

252 100

253 45.8 0.0 64.2

125 56.0 0.0 35.0#





#22

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 22.97 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE093337.D

Acq: 23 Jun 2017 14:30

Instrument :

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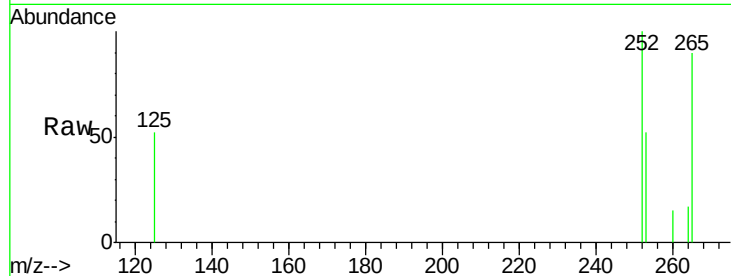
Tgt Ion:252 Resp: 418

Ion Ratio Lower Upper

252 100

253 51.8 24.5 36.7#

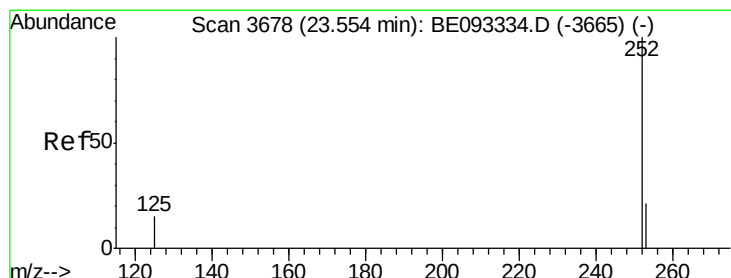
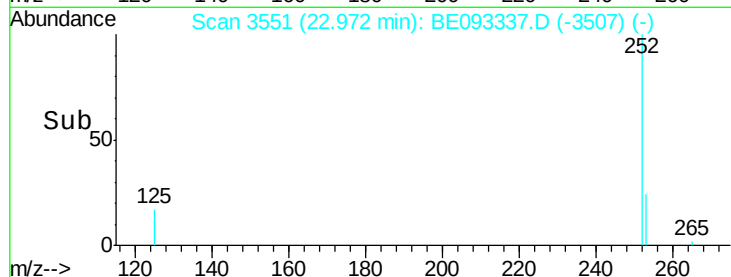
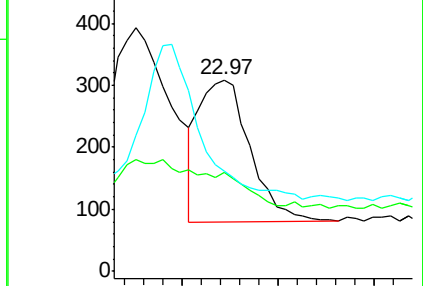
125 52.4 13.7 20.5#



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: 0.02 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BE093337.D

Acq: 23 Jun 2017 14:30

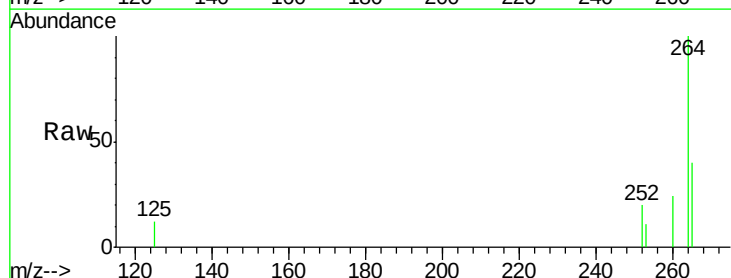
Tgt Ion:252 Resp: 489

Ion Ratio Lower Upper

252 100

253 53.7 28.5 42.7#

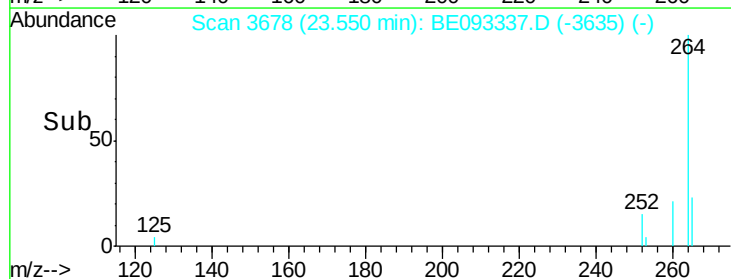
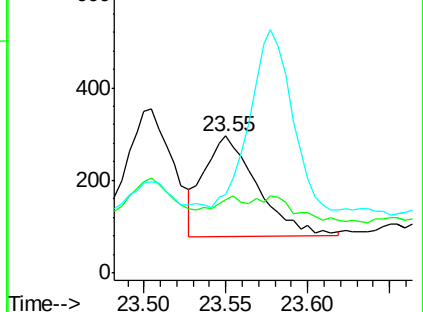
125 56.8 18.1 27.1#

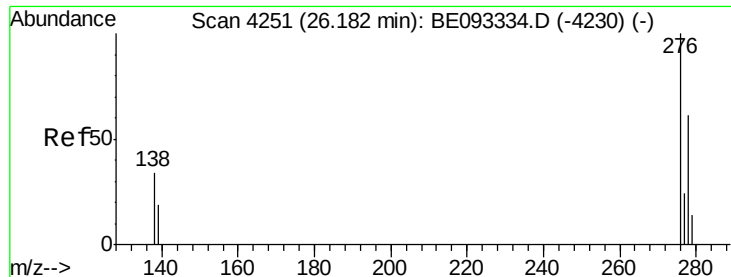


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.01 ng/ul

RT: 26.18 min Scan# 4252

Delta R.T. -0.00 min

Lab File: BE093337.D

Acq: 23 Jun 2017 14:30

Instrument :

BNA_E

ClientSampleId :

F5A92DL

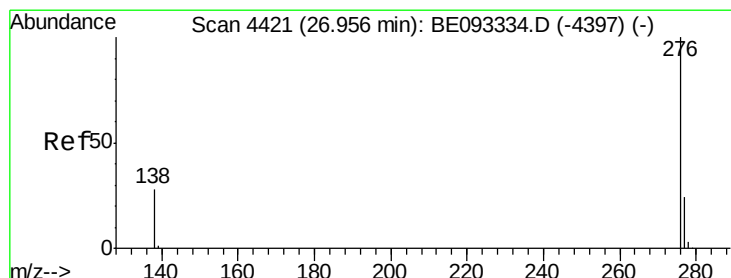
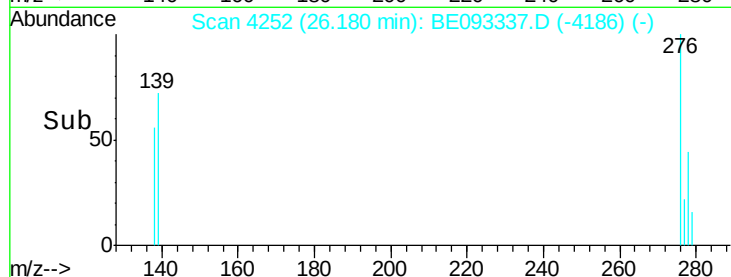
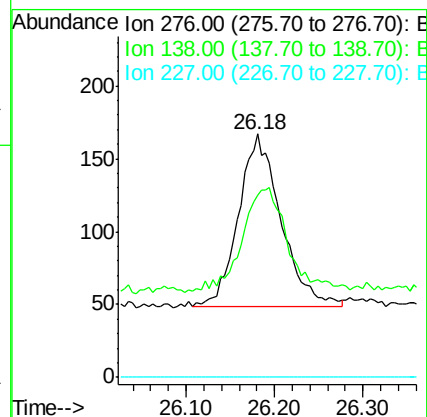
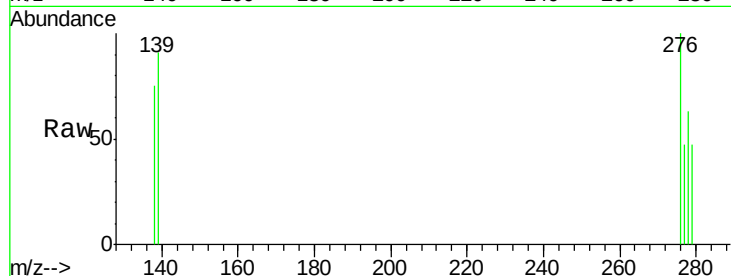
Tgt Ion:276 Resp: 390

Ion Ratio Lower Upper

276 100

138 67.7 28.0 42.0#

227 0.0 8.0 12.0#



#26

Benzo(g,h,i)perylene

Concen: 0.01 ng/ul

RT: 26.96 min Scan# 4422

Delta R.T. -0.00 min

Lab File: BE093337.D

Acq: 23 Jun 2017 14:30

Tgt Ion:276 Resp: 331

Ion Ratio Lower Upper

276 100

138 59.2 21.8 32.8#

277 49.3 20.5 30.7#

