

Data File : BE093134.D
Acq On : 13 Jun 2017 17:09
Operator : SJ/MA
Sample : I3522-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C90

Quant Time: Jun 14 01:25:37 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 14 01:25:15 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	5044	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	23986	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	14005	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	34520	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	39874	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	42377	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	4471	0.13	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	13111	0.14	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	5848	0.10	ng/ul#	96
5) 2-Methylnaphthalene	12.19	142	1223	0.03	ng/ul	99
7) Acenaphthylene	14.08	152	9562	0.16	ng/ul	99
8) Acenaphthene	14.43	153	511	0.01	ng/ul#	90
12) Phenanthrene	17.14	178	10085	0.11	ng/ul#	87
13) Anthracene	17.22	178	8940	0.11	ng/ul#	91
15) Fluoranthene	19.15	202	41873	0.36	ng/ul	84
17) Pyrene	19.51	202	51901	0.44	ng/ul#	85
18) Benzo(a)anthracene	21.24	228	29759	0.28	ng/ul#	84
19) Chrysene	21.30	228	38468	0.35	ng/ul	99
21) Benzo(b)fluoranthene	22.93	252	110317	0.86	ng/ul	88
22) Benzo(k)fluoranthene	22.93	252	110317	0.81	ng/ul#	90
23) Benzo(a)pyrene	23.55	252	40741	0.34	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.18	276	32861	0.23	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.19	278	8309	0.07	ng/ul#	83
26) Benzo(g,h,i)perylene	26.95	276	28151	0.23	ng/ul	96

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

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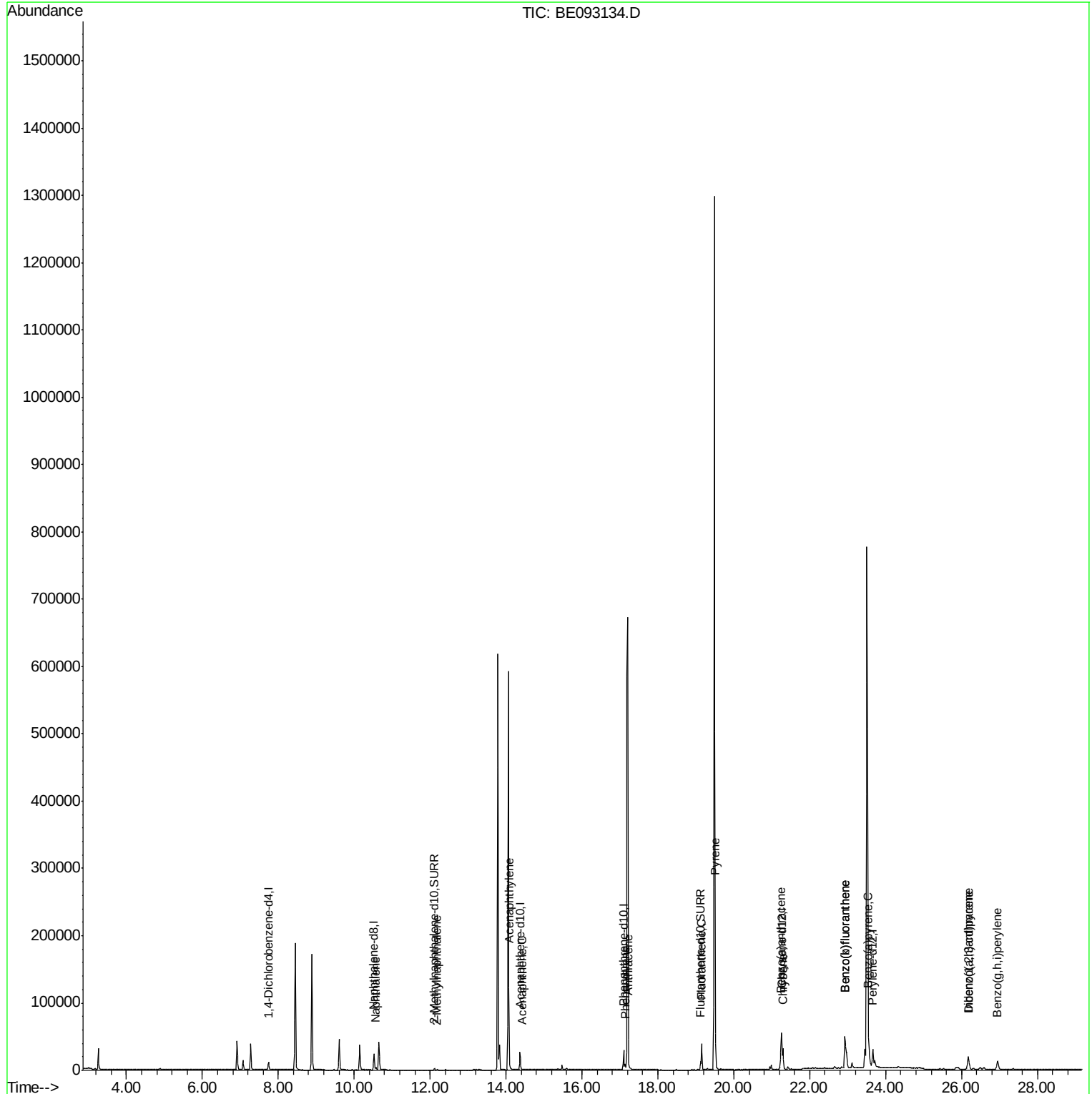
Quant Time: Jun 14 01:25:37 2017

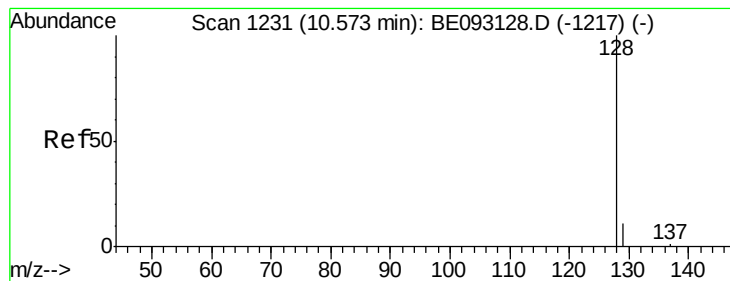
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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QLast Update : Wed Jun 14 01:25:15 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

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Acq: 13 Jun 2017 17:09

Instrument :

BNA_E

ClientSampleId :

F5C90

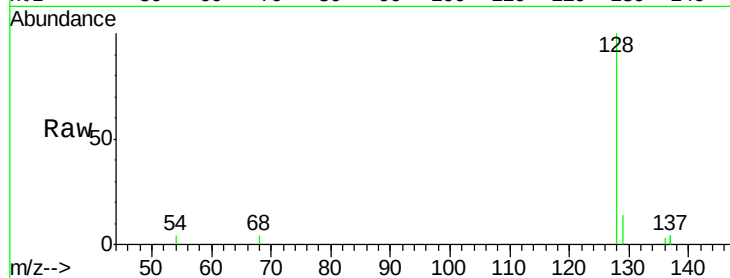
Tgt Ion:128 Resp: 5848

Ion Ratio Lower Upper

128 100

129 13.9 11.3 16.9

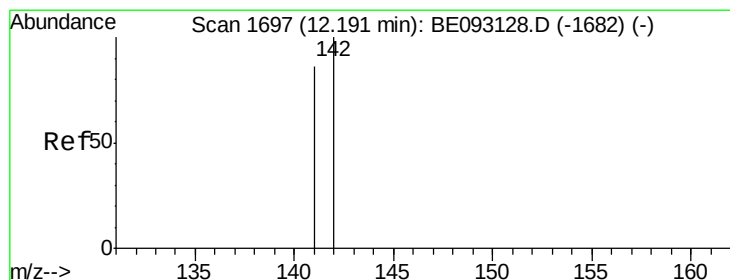
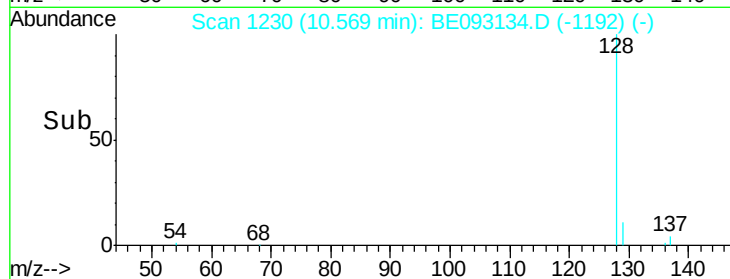
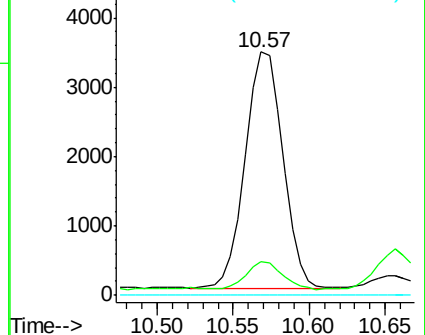
127 0.0 4.0 6.0#



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: 12.19 min Scan# 1696

Delta R.T. -0.00 min

Lab File: BE093134.D

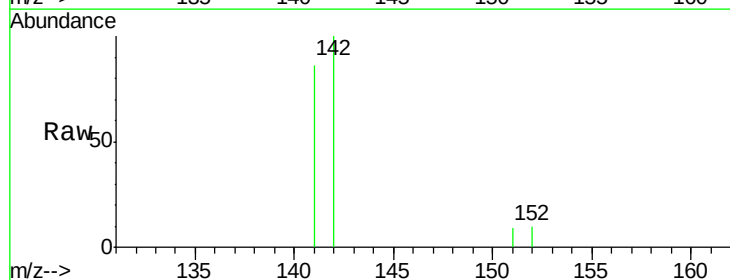
Acq: 13 Jun 2017 17:09

Tgt Ion:142 Resp: 1223

Ion Ratio Lower Upper

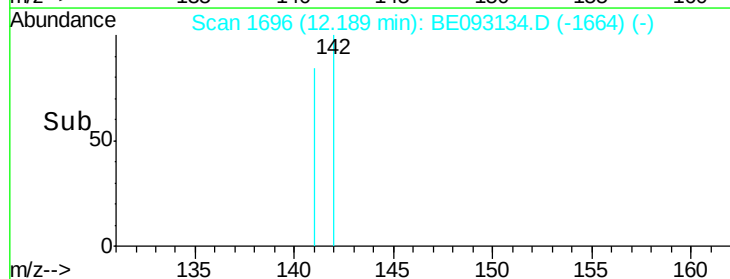
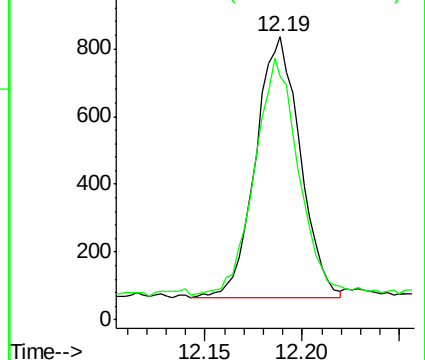
142 100

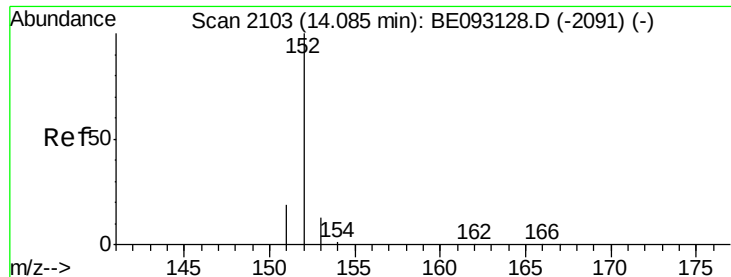
141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.16 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093134.D

Acq: 13 Jun 2017 17:09

Instrument :

BNA_E

ClientSampleId :

F5C90

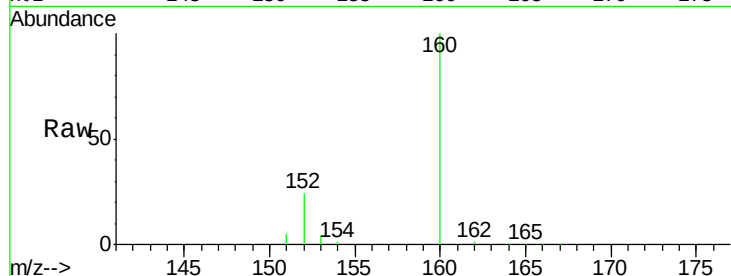
Tgt Ion:152 Resp: 9562

Ion Ratio Lower Upper

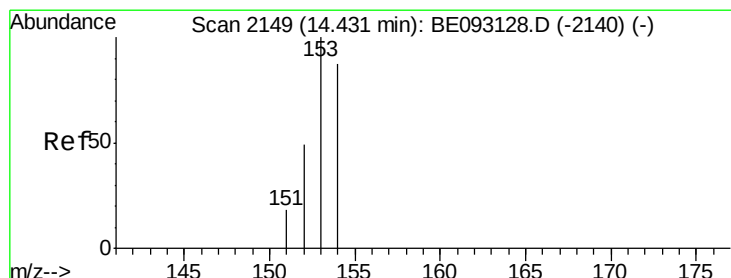
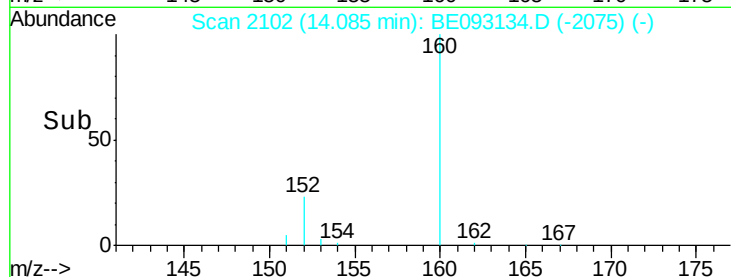
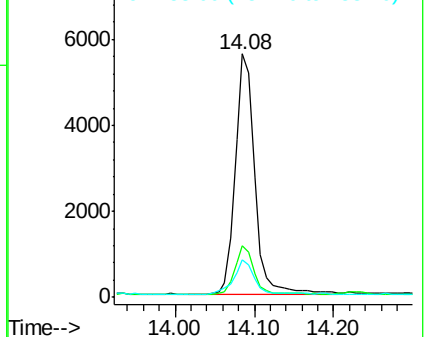
152 100

151 21.1 17.1 25.7

153 15.2 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: 0.01 ng/ul

RT: 14.43 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093134.D

Acq: 13 Jun 2017 17:09

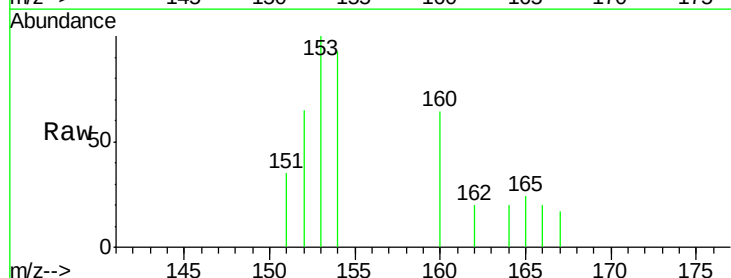
Tgt Ion:153 Resp: 511

Ion Ratio Lower Upper

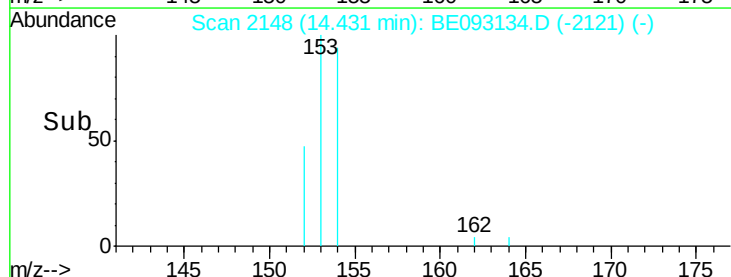
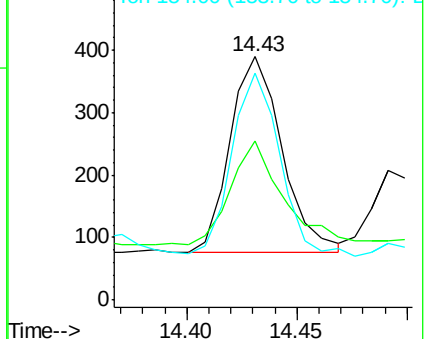
153 100

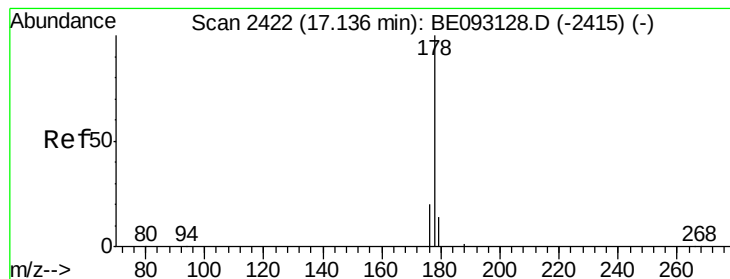
152 65.1 40.3 60.5#

154 93.3 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





#12

Phenanthrene

Concen: 0.11 ng/ul

RT: 17.14 min Scan# 2421

Delta R.T. -0.00 min

Lab File: BE093134.D

Acq: 13 Jun 2017 17:09

Instrument :

BNA_E

ClientSampleId :

F5C90

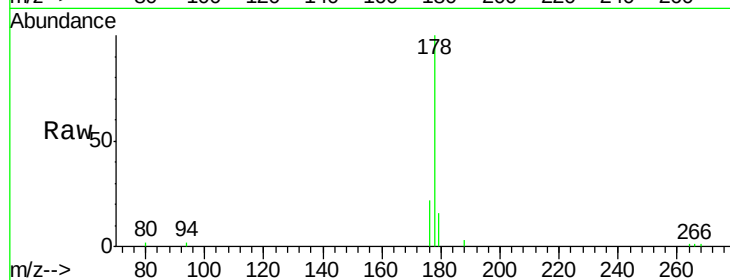
Tgt Ion:178 Resp: 10085

Ion Ratio Lower Upper

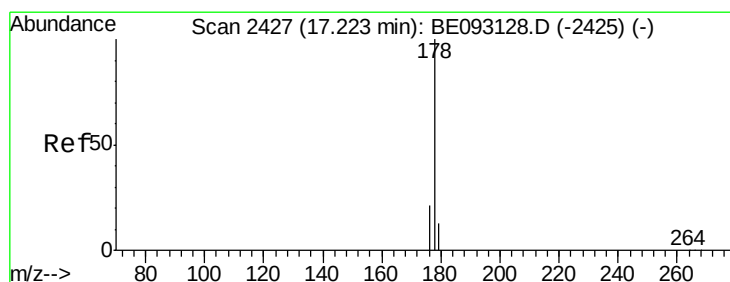
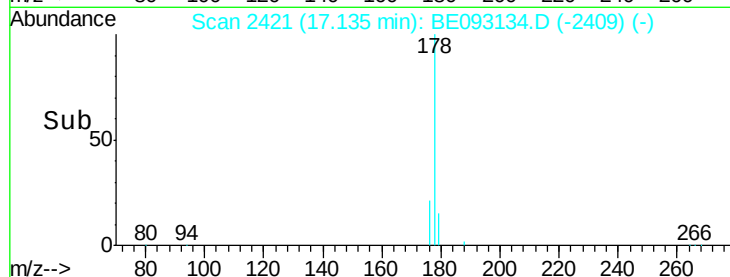
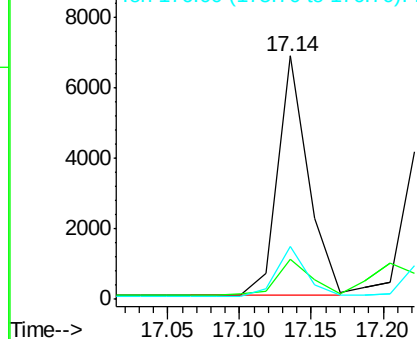
178 100

179 16.2 18.4 27.6#

176 21.8 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: 0.11 ng/ul

RT: 17.22 min Scan# 2426

Delta R.T. -0.00 min

Lab File: BE093134.D

Acq: 13 Jun 2017 17:09

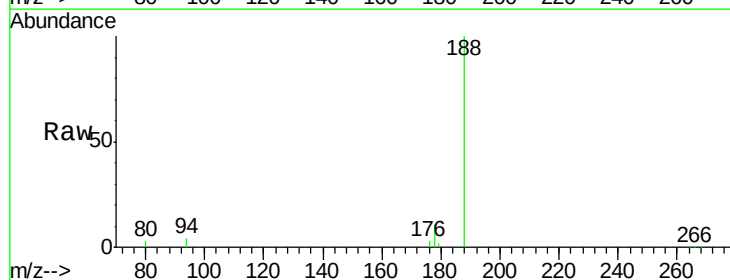
Tgt Ion:178 Resp: 8940

Ion Ratio Lower Upper

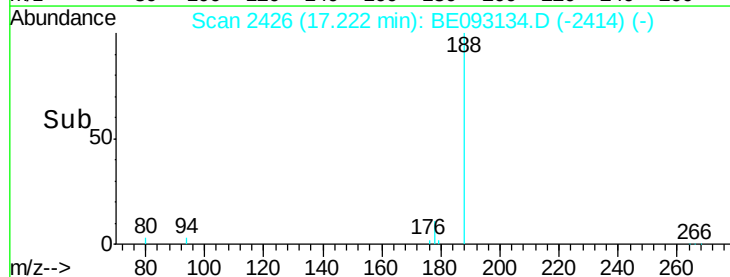
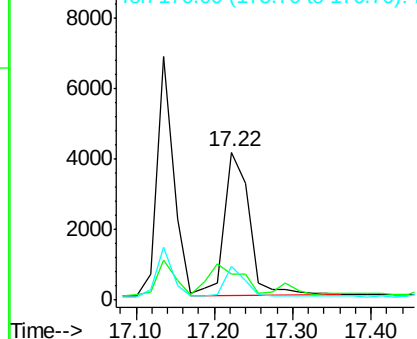
178 100

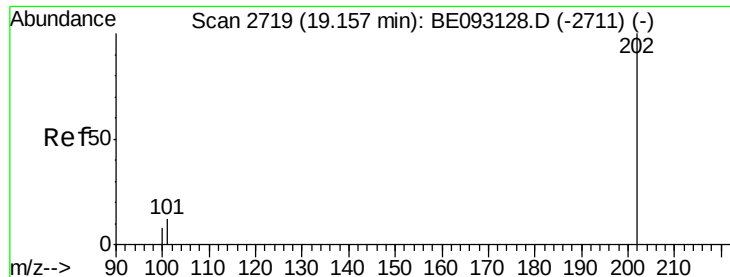
179 17.9 18.1 27.1#

176 22.5 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

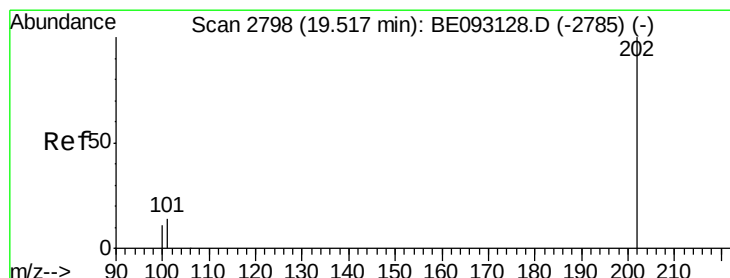
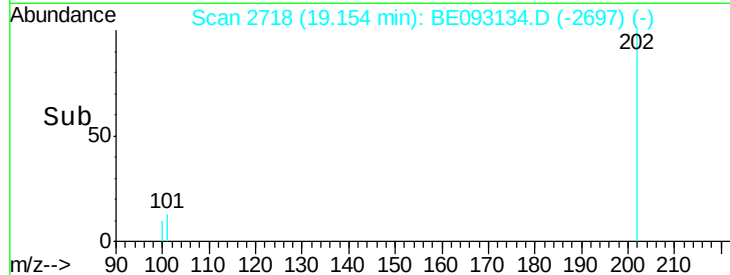
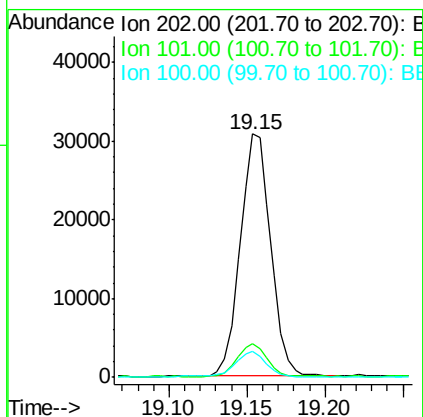
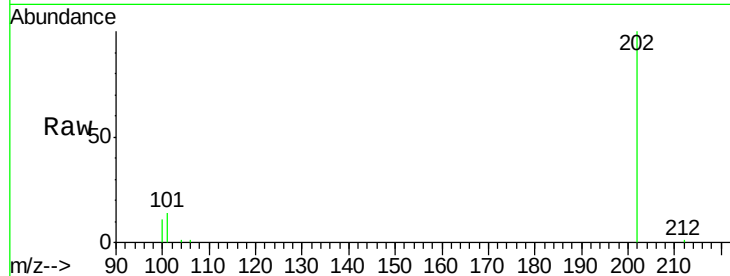




#15
Fluoranthene
 Concen: 0.36 ng/ul
 RT: 19.15 min Scan# 2718
 Delta R.T. -0.00 min
 Lab File: BE093134.D
 Acq: 13 Jun 2017 17:09

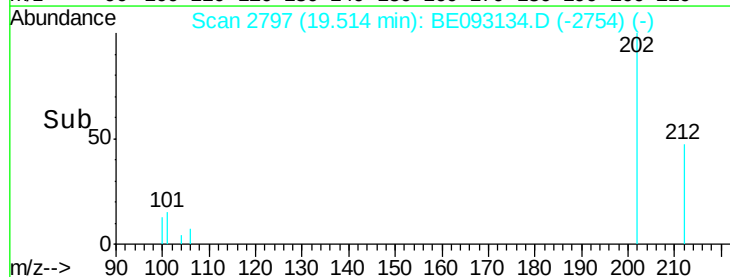
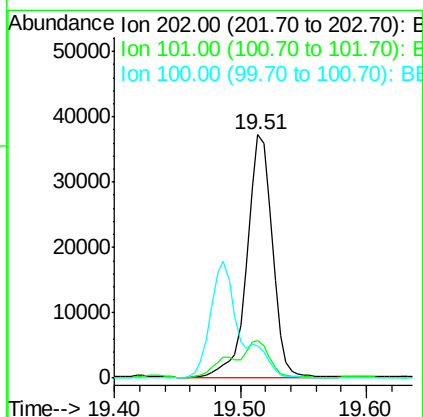
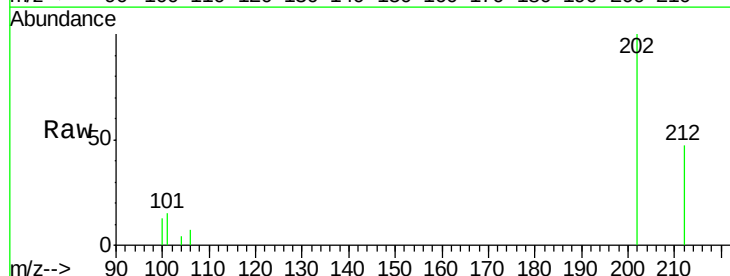
Instrument :
 BNA_E
 ClientSampleId :
 F5C90

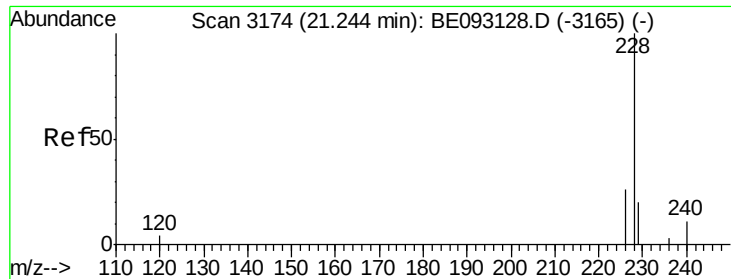
Tgt Ion:202 Resp: 41873
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 30.3
 100 10.6 0.0 39.5



#17
Pyrene
 Concen: 0.44 ng/ul
 RT: 19.51 min Scan# 2797
 Delta R.T. -0.00 min
 Lab File: BE093134.D
 Acq: 13 Jun 2017 17:09

Tgt Ion:202 Resp: 51901
 Ion Ratio Lower Upper
 202 100
 101 15.3 18.2 27.4#
 100 13.1 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.28 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE093134.D

Acq: 13 Jun 2017 17:09

Instrument :

BNA_E

ClientSampleId :

F5C90

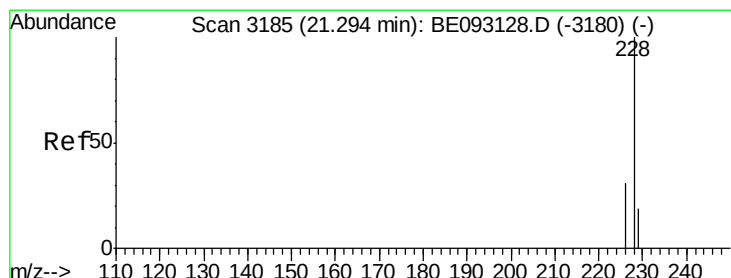
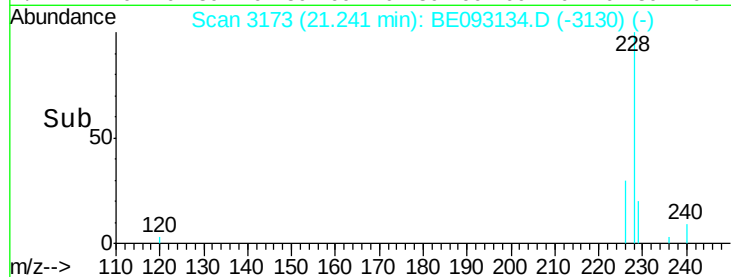
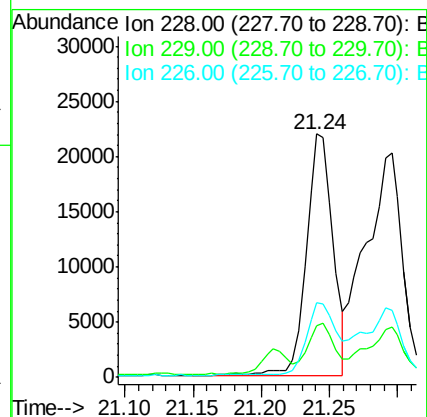
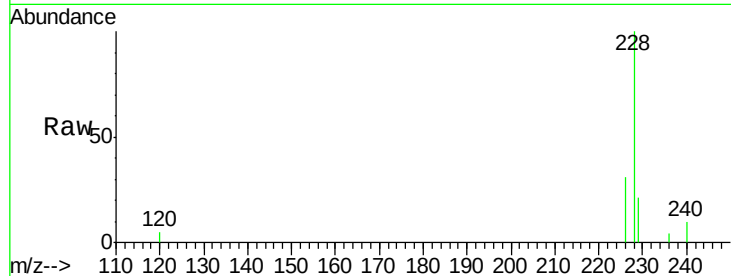
Tgt Ion:228 Resp: 29759

Ion Ratio Lower Upper

228 100

229 21.4 22.8 34.2#

226 30.9 17.0 25.6#



#19

Chrysene

Concen: 0.35 ng/ul

RT: 21.30 min Scan# 3185

Delta R.T. 0.00 min

Lab File: BE093134.D

Acq: 13 Jun 2017 17:09

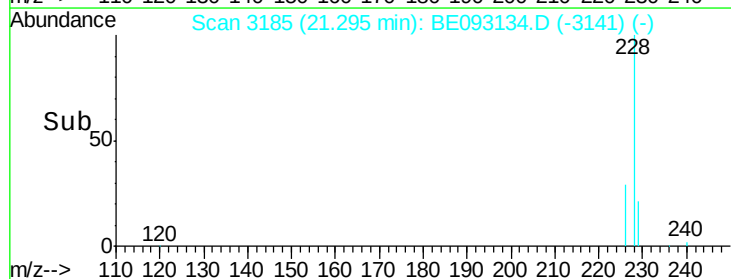
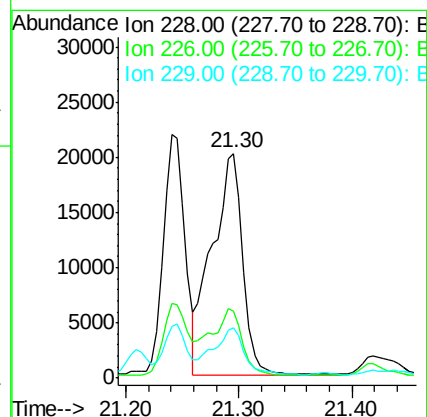
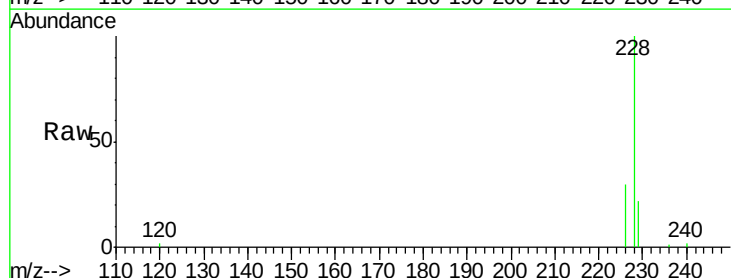
Tgt Ion:228 Resp: 38468

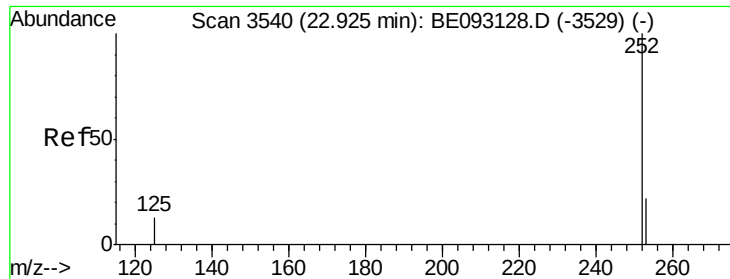
Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

229 22.3 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.86 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093134.D

Acq: 13 Jun 2017 17:09

Instrument :

BNA_E

ClientSampleId :

F5C90

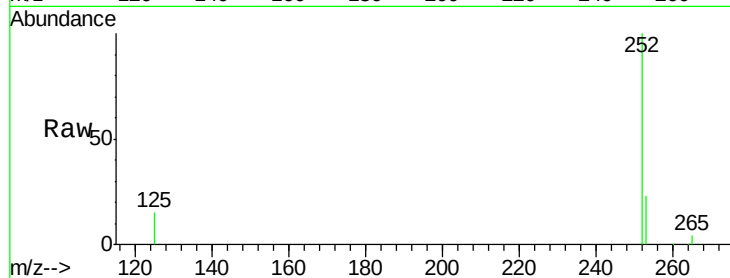
Tgt Ion:252 Resp: 110317

Ion Ratio Lower Upper

252 100

253 23.5 0.0 64.2

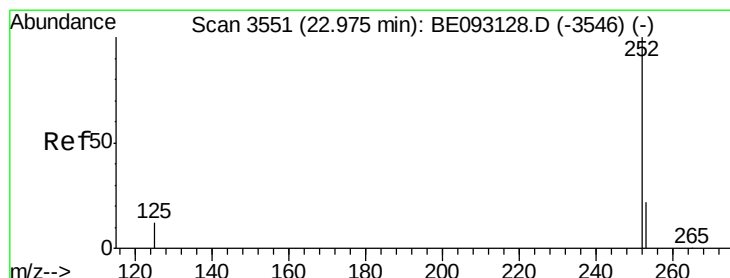
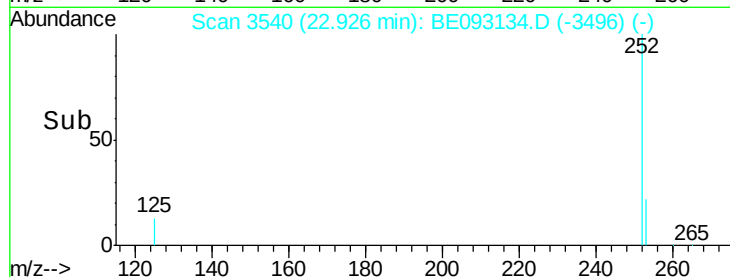
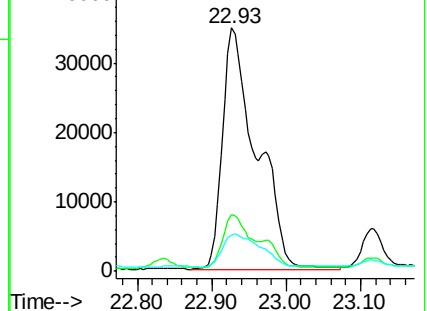
125 14.8 0.0 35.0



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: 0.81 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. -0.05 min

Lab File: BE093134.D

Acq: 13 Jun 2017 17:09

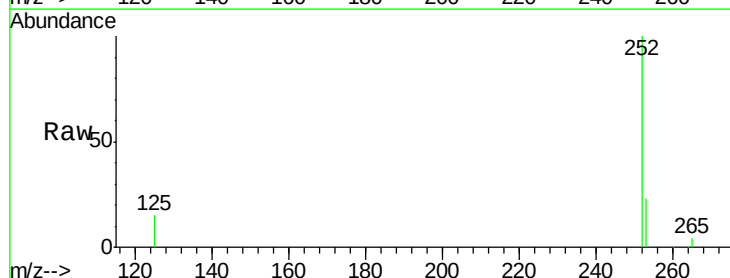
Tgt Ion:252 Resp: 110317

Ion Ratio Lower Upper

252 100

253 23.5 24.5 36.7#

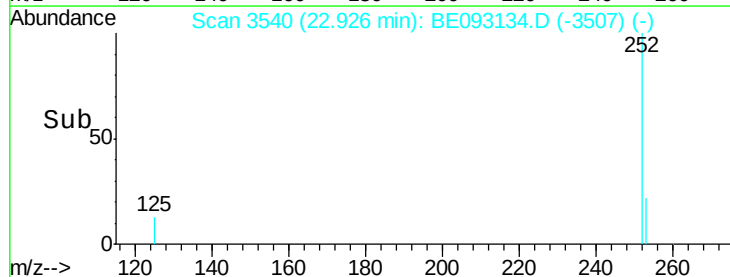
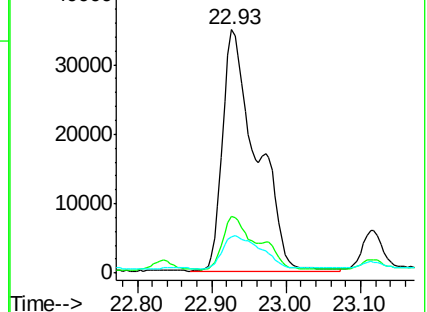
125 14.8 13.7 20.5

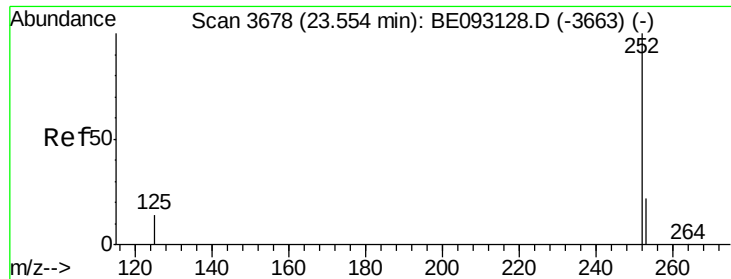


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.34 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BE093134.D

Acq: 13 Jun 2017 17:09

Instrument :

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F5C90

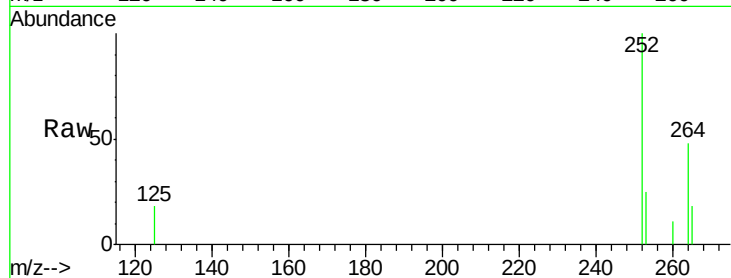
Tgt Ion:252 Resp: 40741

Ion Ratio Lower Upper

252 100

253 24.5 28.5 42.7#

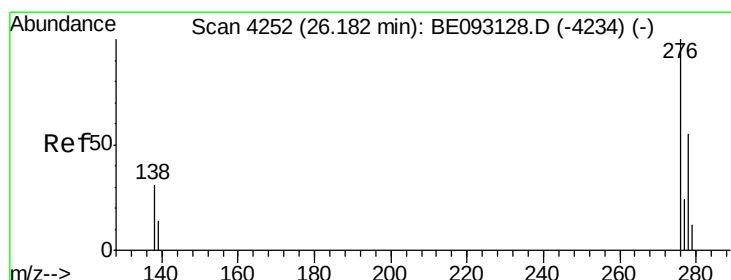
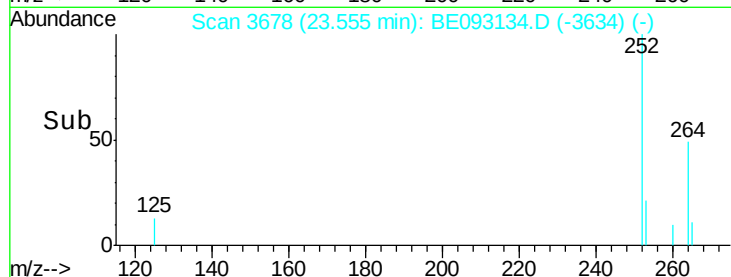
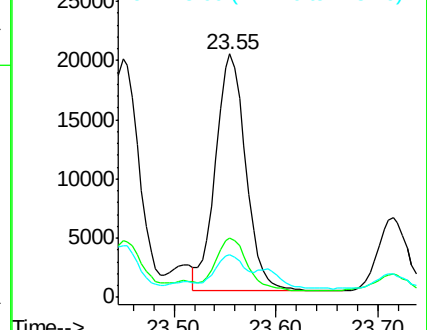
125 17.5 18.1 27.1#



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: 0.23 ng/ul

RT: 26.18 min Scan# 4250

Delta R.T. -0.01 min

Lab File: BE093134.D

Acq: 13 Jun 2017 17:09

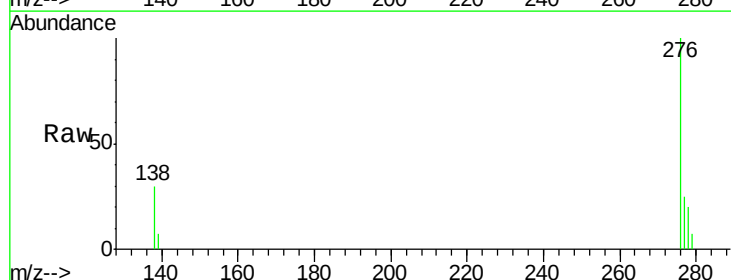
Tgt Ion:276 Resp: 32861

Ion Ratio Lower Upper

276 100

138 30.3 28.0 42.0

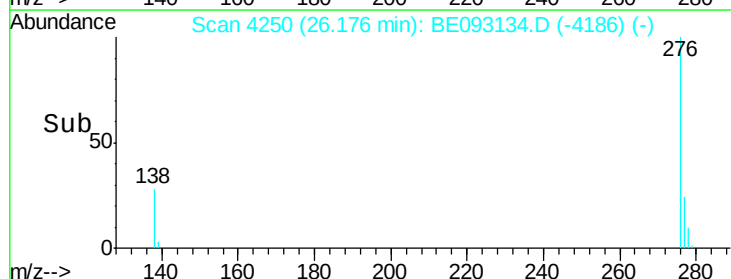
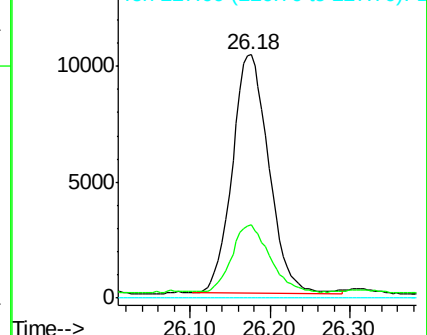
227 0.0 8.0 12.0#

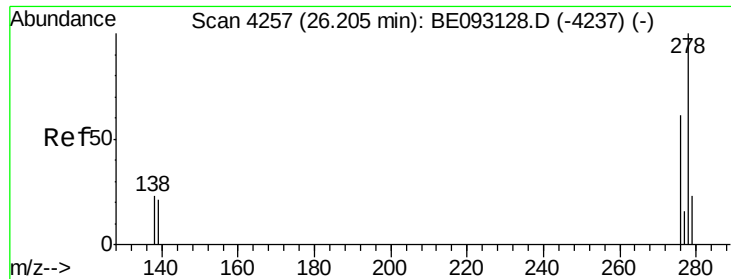


Abundance Ion 276.00 (275.70 to 276.70): E

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: 26.19 min Scan# 4253

Delta R.T. -0.02 min

Lab File: BE093134.D

Acq: 13 Jun 2017 17:09

Instrument :

BNA_E

ClientSampleId :

F5C90

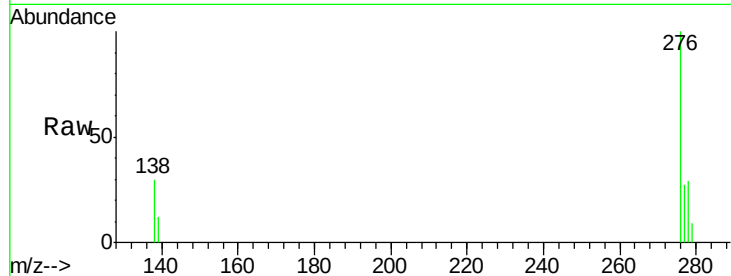
Tgt Ion: 278 Resp: 8309

Ion Ratio Lower Upper

278 100

139 41.3 17.4 26.0#

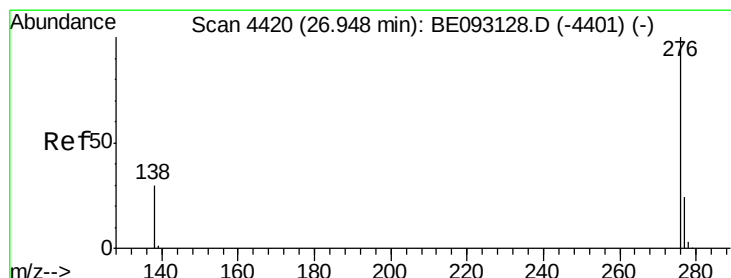
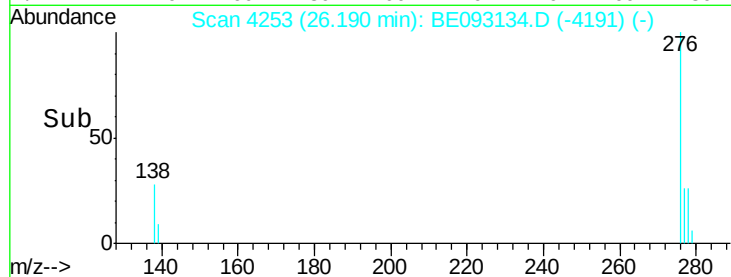
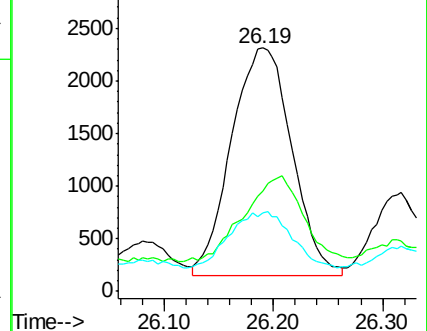
279 32.2 25.9 38.9



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: 0.23 ng/ul

RT: 26.95 min Scan# 4419

Delta R.T. -0.00 min

Lab File: BE093134.D

Acq: 13 Jun 2017 17:09

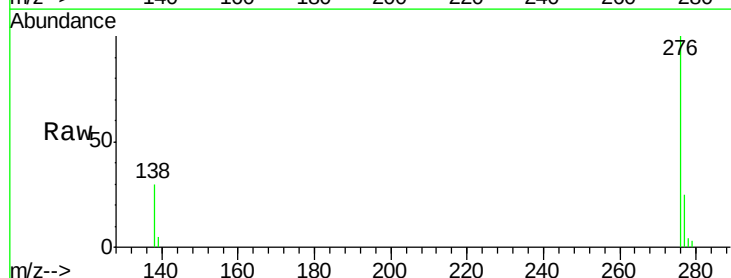
Tgt Ion: 276 Resp: 28151

Ion Ratio Lower Upper

276 100

138 30.0 21.8 32.8

277 24.6 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

