

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072417\
 Data File : BE093562.D
 Acq On : 25 Jul 2017 5:44
 Operator : SJ/JU
 Sample : I4213-14
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B38

Quant Time: Jul 25 07:59:45 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 06:10:24 2017
 Response via : Initial Calibration

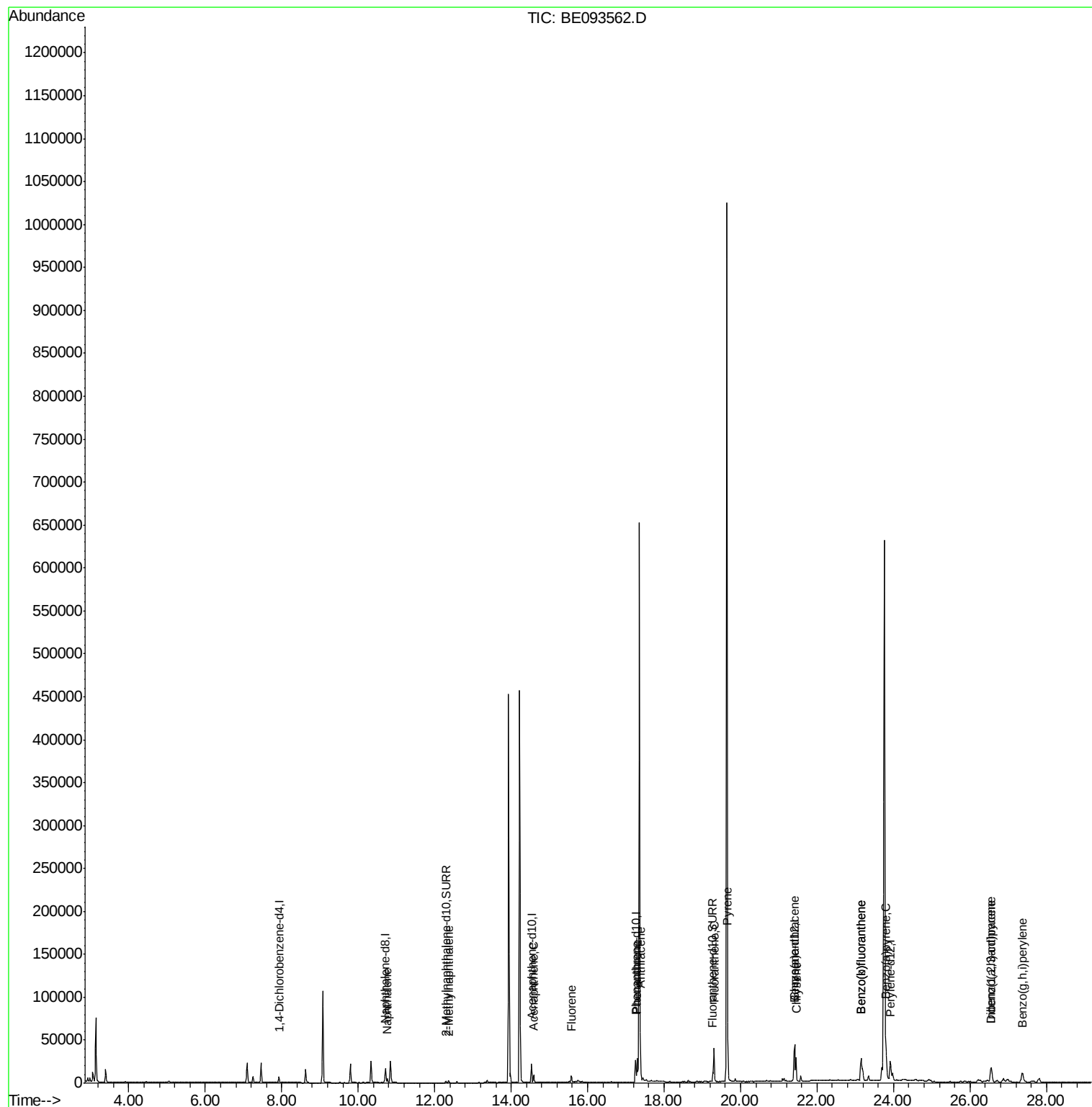
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	3414	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	18298	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	12004	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	31460	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	35441	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	36541	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	3455	0.12	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	12835	0.13	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	7754	0.174	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	2410	0.074	ng/ul	99
8) Acenaphthene	14.59	153	5228	0.132	ng/ul	99
9) Fluorene	15.57	166	4899	0.098	ng/ul	94
12) Phenanthrene	17.29	178	33309	0.389	ng/ul#	87
13) Anthracene	17.38	178	9133	0.109	ng/ul#	96
15) Fluoranthene	19.31	202	44915	0.419	ng/ul	83
17) Pyrene	19.67	202	47792	0.462	ng/ul#	80
18) Benzo(a)anthracene	21.40	228	26814	0.261	ng/ul#	89
19) Chrysene	21.45	228	28693	0.291	ng/ul	96
21) Benzo(b)fluoranthene	23.15	252	68029	0.602	ng/ul	92
22) Benzo(k)fluoranthene	23.15	252	68029	0.610	ng/ul	94
23) Benzo(a)pyrene	23.80	252	42769	0.398	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.55	276	31683	0.267	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.56	278	8085	0.082	ng/ul#	91
26) Benzo(a,h,i)perylene	27.36	276	28393	0.284	ng/ul	96

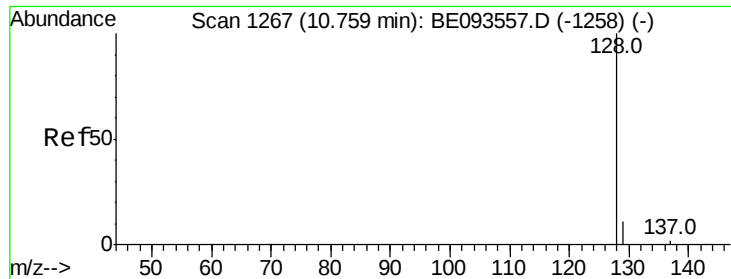
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.174 ng/ul

RT: 10.76 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BE093562.D

Acq: 25 Jul 2017 5:44

Instrument :

BNA_E

ClientSampleId :

C0B38

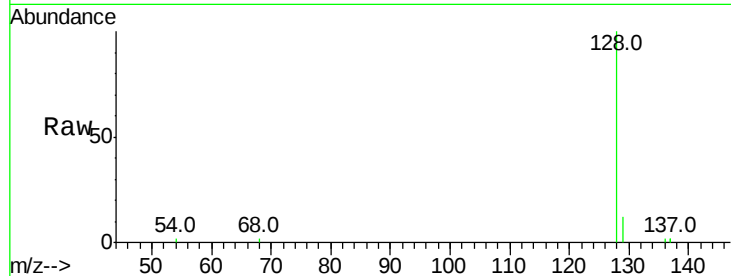
Tot Ion:128 Resp: 7754

Ion Ratio Lower Upper

128 100

129 12.3 11.3 16.9

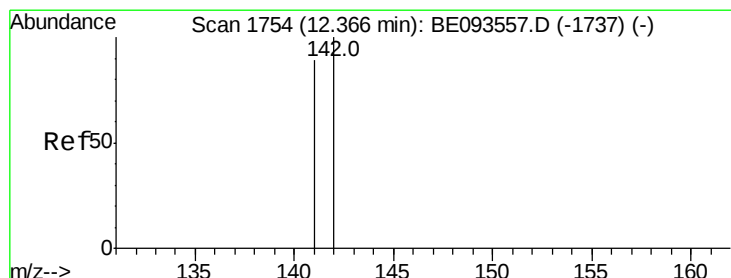
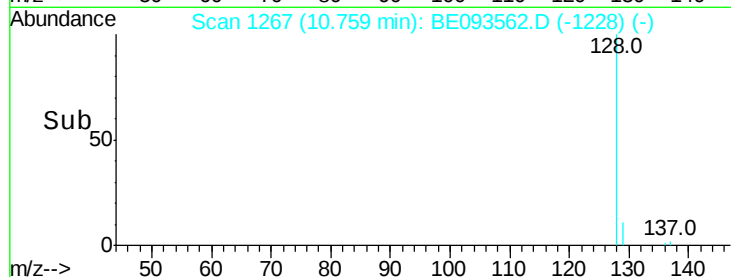
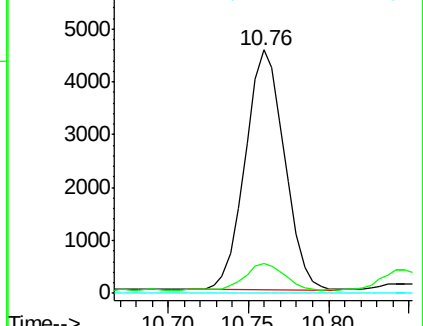
127 0.0 4.0 6.0#



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: 0.074 ng/ul

RT: 12.36 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BE093562.D

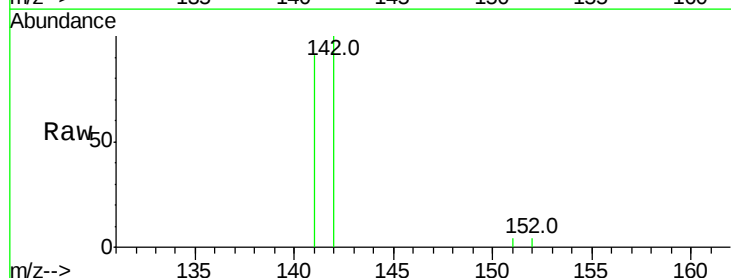
Acq: 25 Jul 2017 5:44

Tgt Ion:142 Resp: 2410

Ion Ratio Lower Upper

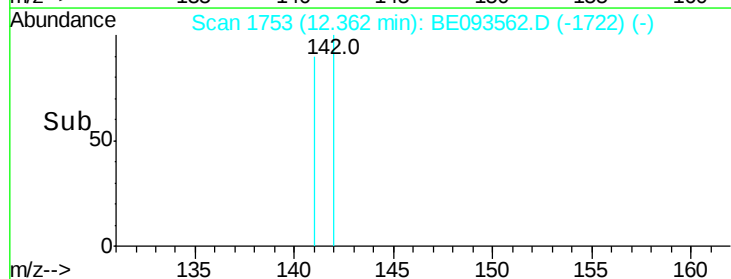
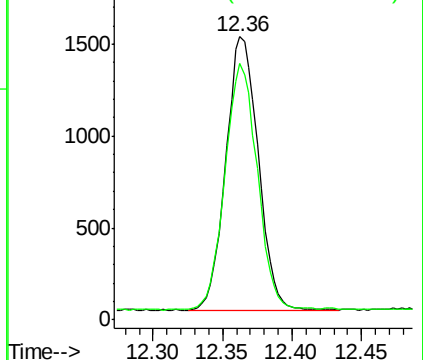
142 100

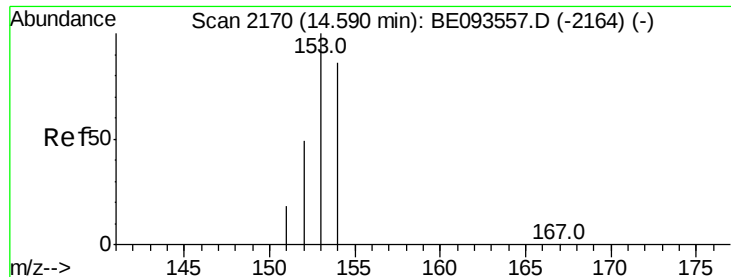
141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.132 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BE093562.D

Acq: 25 Jul 2017 5:44

Instrument :

BNA_E

ClientSampleId :

C0B38

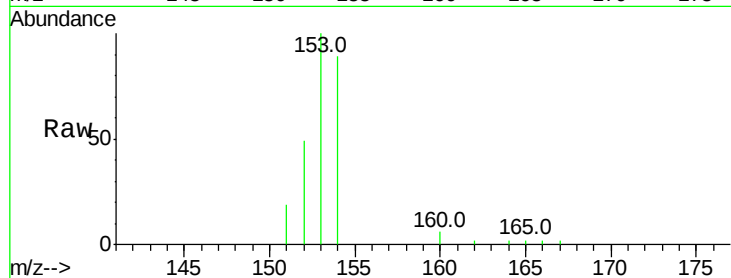
Tot Ion:153 Resp: 5228

Ion Ratio Lower Upper

153 100

152 49.0 40.3 60.5

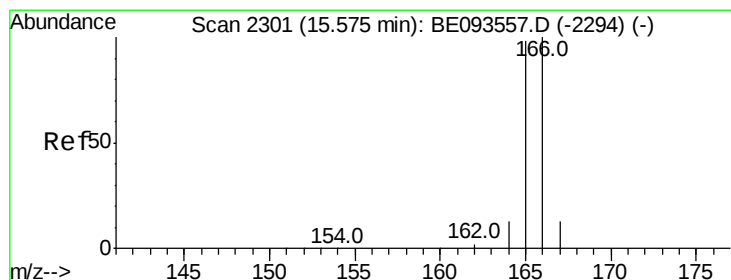
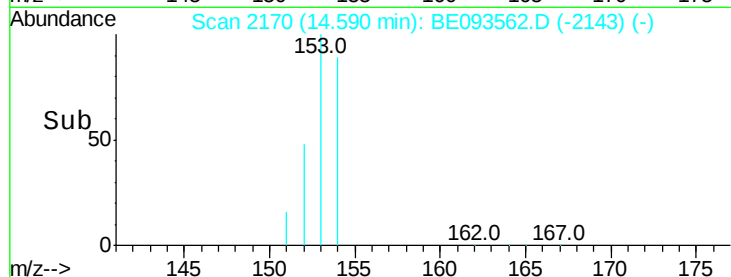
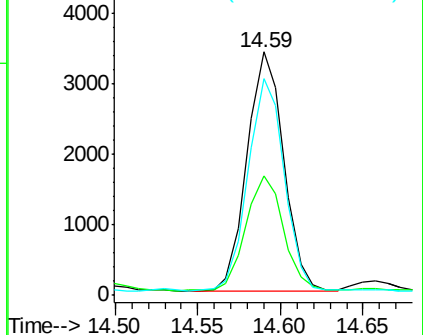
154 89.2 71.4 107.2



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: 0.098 ng/ul

RT: 15.57 min Scan# 2301

Delta R.T. 0.00 min

Lab File: BE093562.D

Acq: 25 Jul 2017 5:44

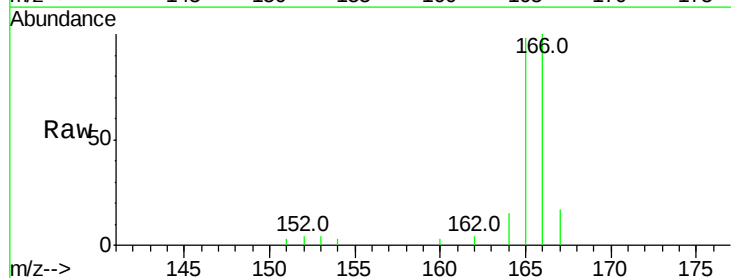
Tgt Ion:166 Resp: 4899

Ion Ratio Lower Upper

166 100

165 97.9 73.4 110.2

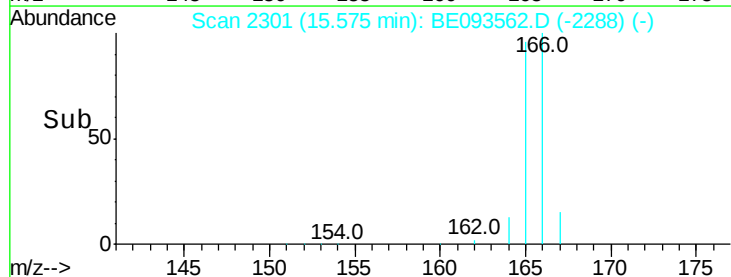
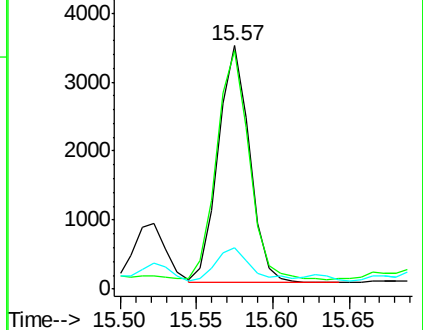
167 16.9 14.6 22.0

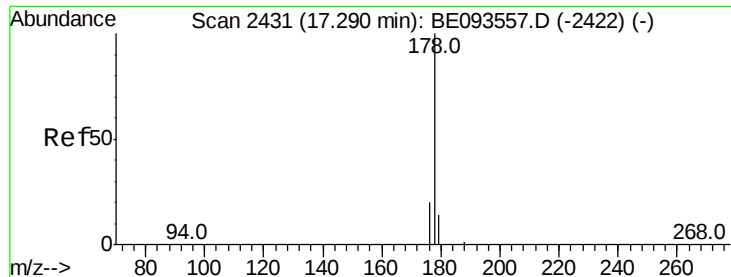


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.389 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BE093562.D

Acq: 25 Jul 2017 5:44

Instrument :

BNA_E

ClientSampleId :

C0B38

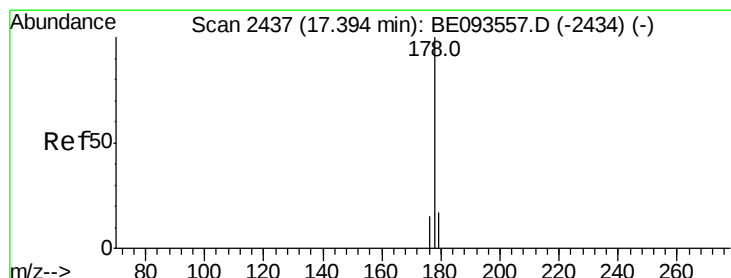
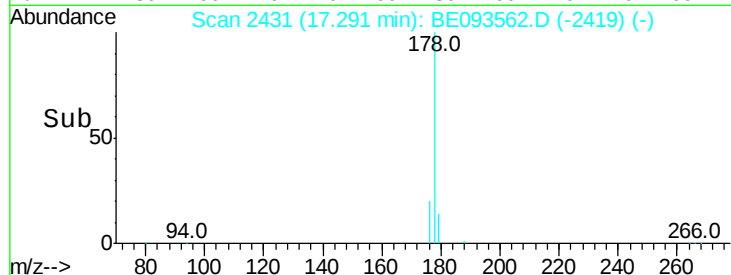
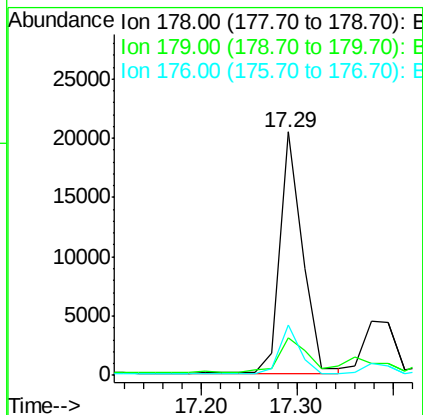
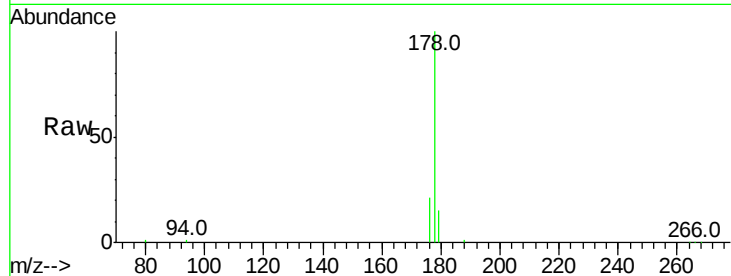
Tot Ion:178 Resp: 33309

Ion Ratio Lower Upper

178 100

179 15.3 18.4 27.6#

176 20.5 13.6 20.4#



#13

Anthracene

Concen: 0.109 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE093562.D

Acq: 25 Jul 2017 5:44

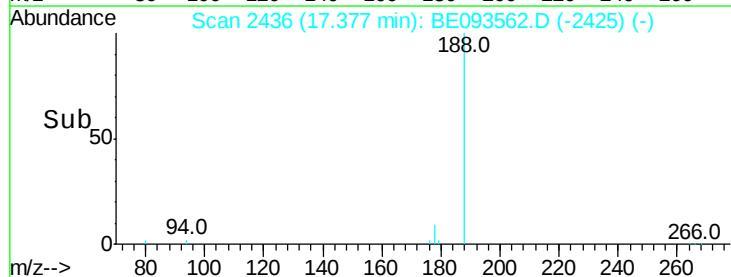
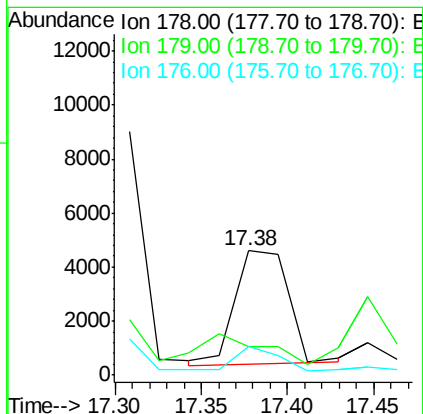
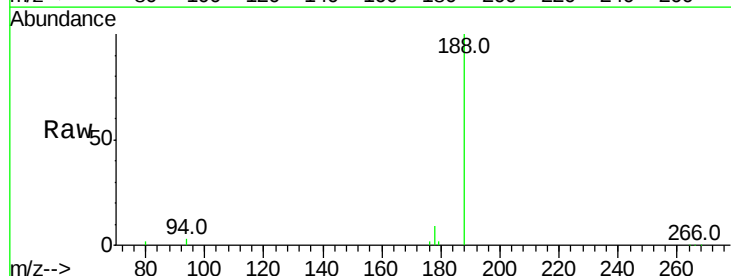
Tgt Ion:178 Resp: 9133

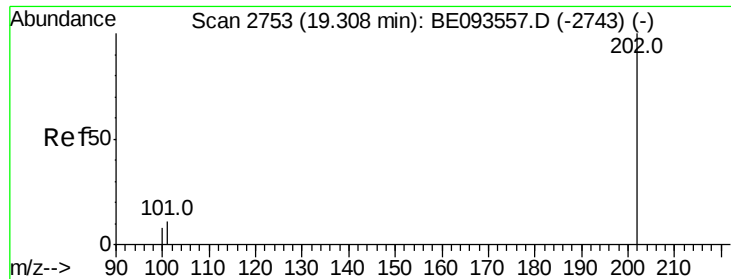
Ion Ratio Lower Upper

178 100

179 22.6 18.1 27.1

176 22.8 14.7 22.1#





#15

Fluoranthene

Concen: 0.419 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. 0.00 min

Lab File: BE093562.D

Acq: 25 Jul 2017 5:44

Instrument :

BNA_E

ClientSampleId :

C0B38

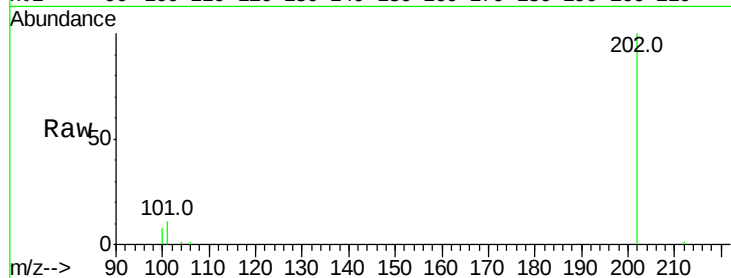
Tot Ion:202 Resp: 44915

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

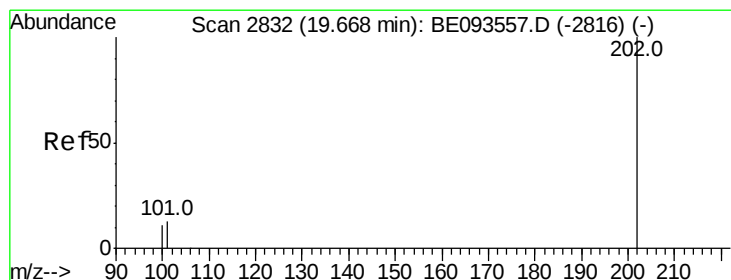
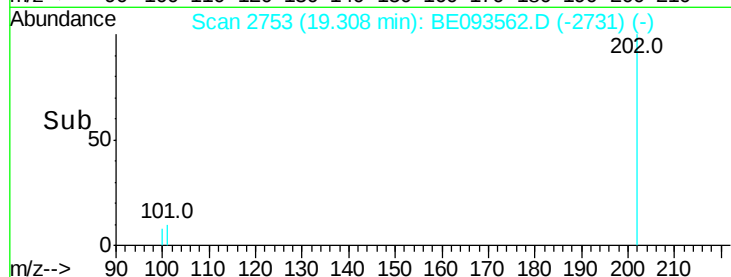
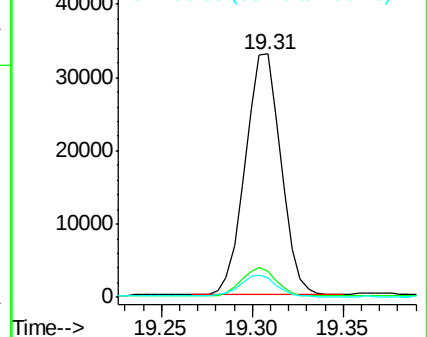
100 7.9 0.0 39.5



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: 0.462 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE093562.D

Acq: 25 Jul 2017 5:44

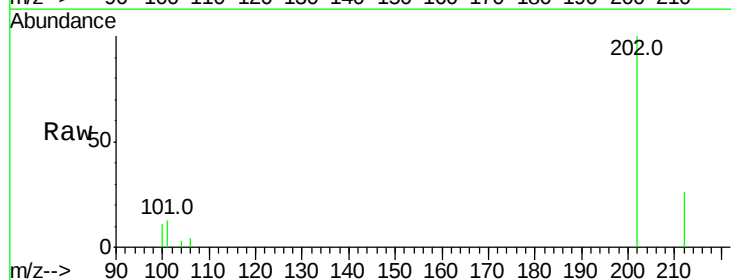
Tgt Ion:202 Resp: 47792

Ion Ratio Lower Upper

202 100

101 12.8 18.2 27.4#

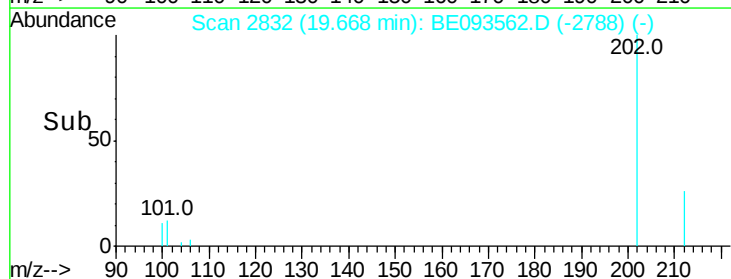
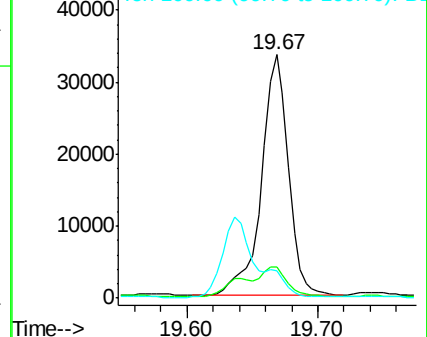
100 11.0 15.6 23.4#

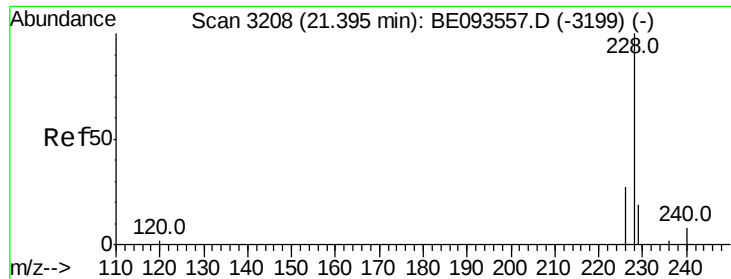


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.261 ng/ul

RT: 21.40 min Scan# 3208

Delta R.T. 0.00 min

Lab File: BE093562.D

Acq: 25 Jul 2017 5:44

Instrument :

BNA_E

ClientSampleId :

C0B38

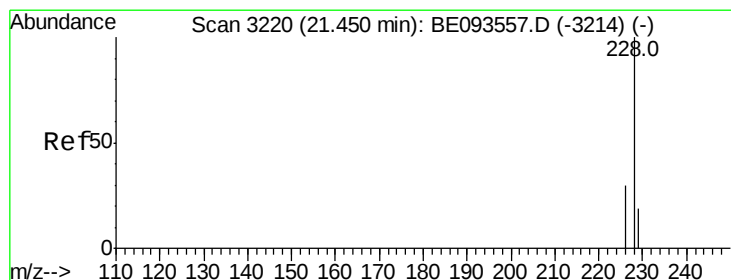
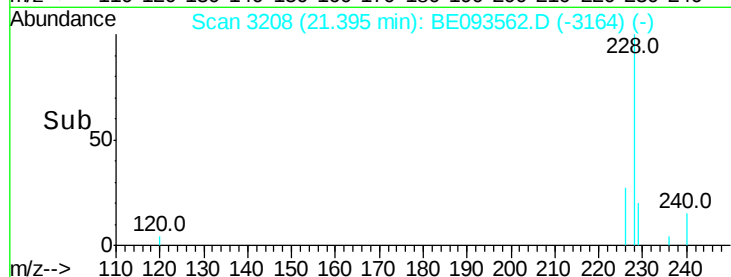
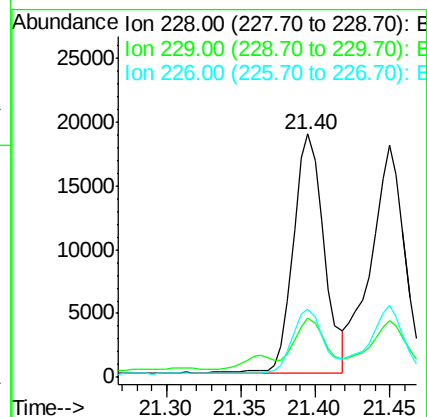
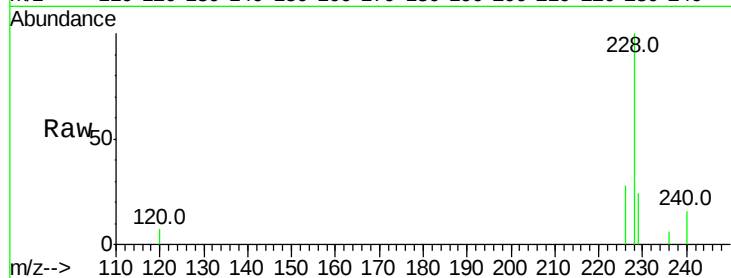
Tot Ion:228 Resp: 26814

Ion Ratio Lower Upper

228 100

229 24.3 22.8 34.2

226 28.2 17.0 25.6#



#19

Chrysene

Concen: 0.291 ng/ul

RT: 21.45 min Scan# 3220

Delta R.T. 0.00 min

Lab File: BE093562.D

Acq: 25 Jul 2017 5:44

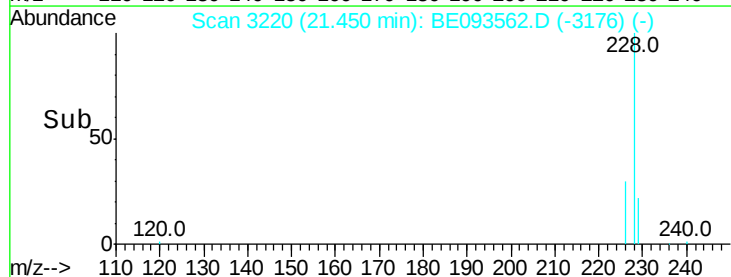
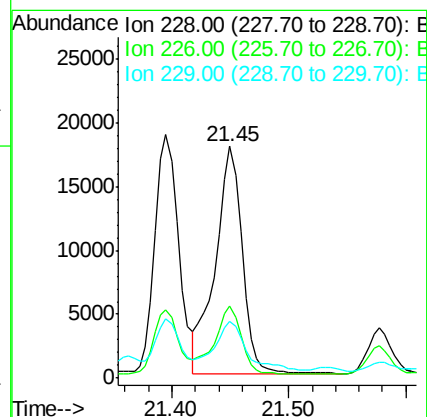
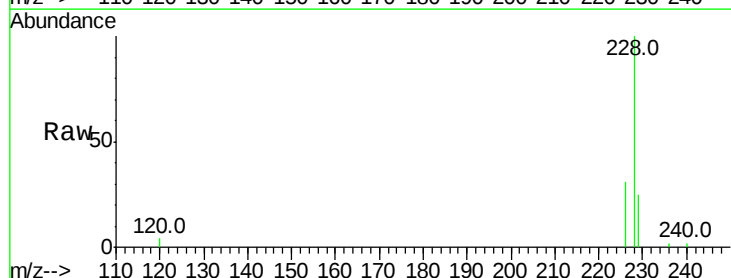
Tgt Ion:228 Resp: 28693

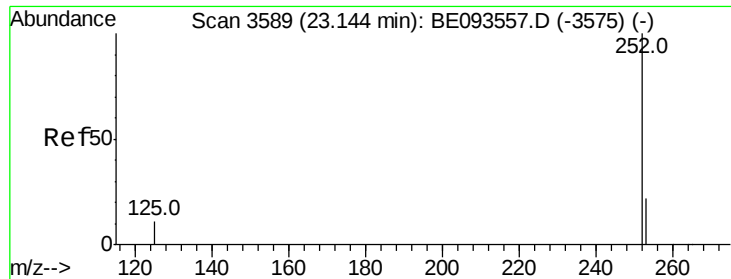
Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

229 24.5 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.602 ng/u1

RT: 23.15 min Scan# 3590

Delta R.T. 0.00 min

Lab File: BE093562.D

Acq: 25 Jul 2017 5:44

Instrument :

BNA_E

ClientSampleId :

C0B38

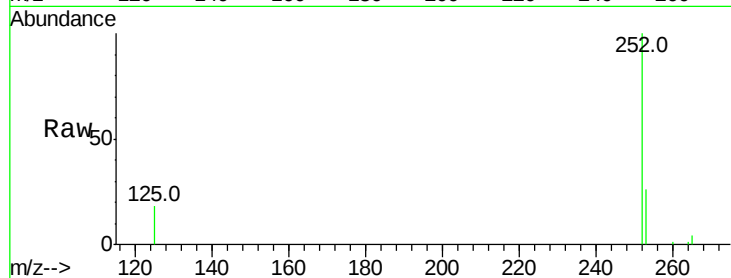
Tot Ion:252 Resp: 68029

Ion Ratio Lower Upper

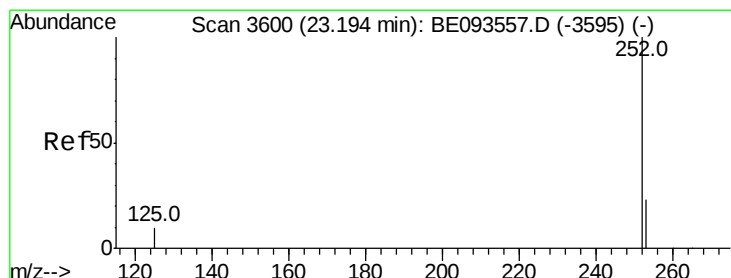
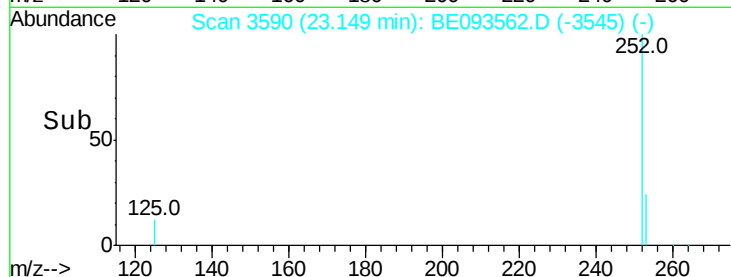
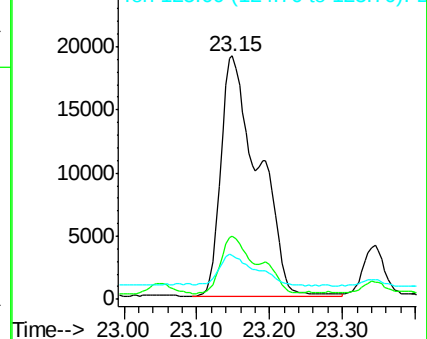
252 100

253 26.1 0.0 64.2

125 18.3 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: 0.610 ng/u1

RT: 23.15 min Scan# 3590

Delta R.T. -0.05 min

Lab File: BE093562.D

Acq: 25 Jul 2017 5:44

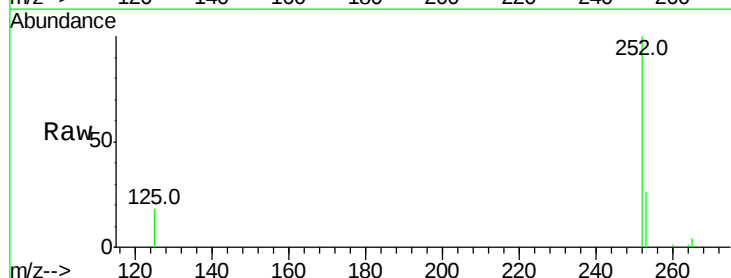
Tgt Ion:252 Resp: 68029

Ion Ratio Lower Upper

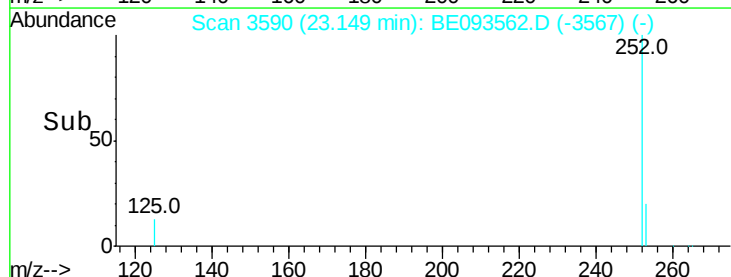
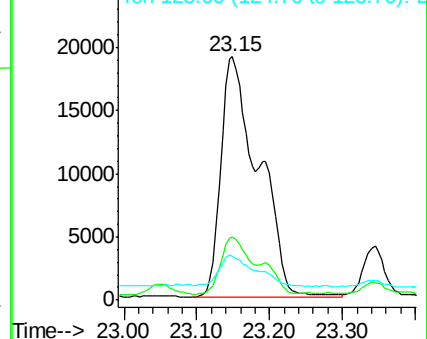
252 100

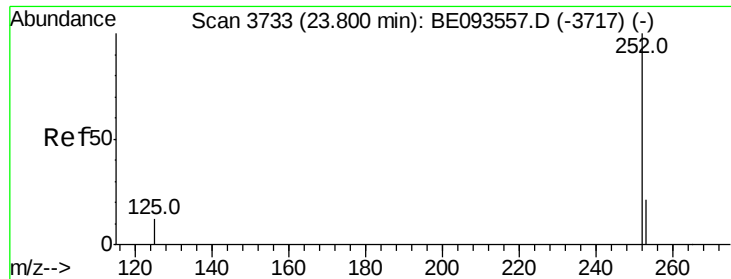
253 26.1 24.5 36.7

125 18.3 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: 0.398 ng/uL

RT: 23.80 min Scan# 3734

Delta R.T. 0.00 min

Lab File: BE093562.D

Acq: 25 Jul 2017 5:44

Instrument :

BNA_E

ClientSampleId :

C0B38

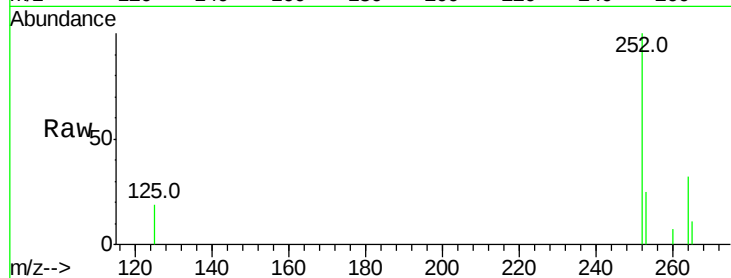
Tot Ion:252 Resp: 42769

Ion Ratio Lower Upper

252 100

253 25.4 28.5 42.7#

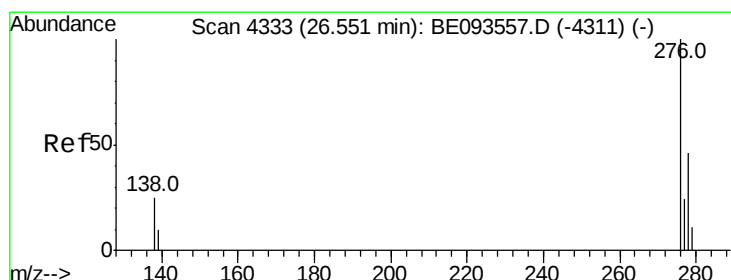
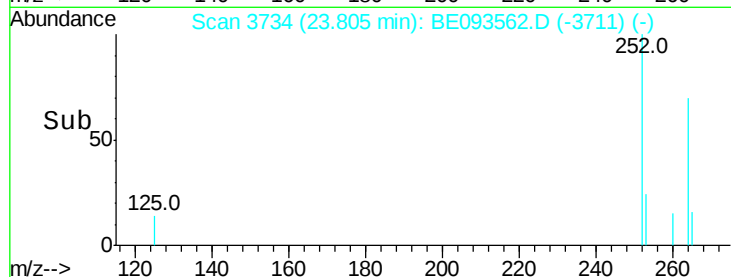
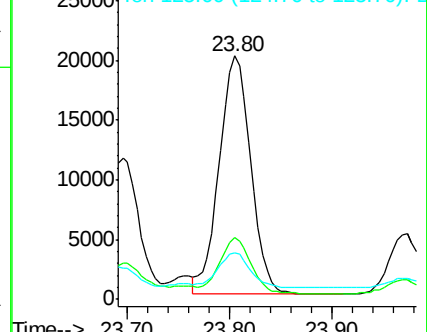
125 18.8 18.1 27.1



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: 0.267 ng/uL

RT: 26.55 min Scan# 4334

Delta R.T. 0.00 min

Lab File: BE093562.D

Acq: 25 Jul 2017 5:44

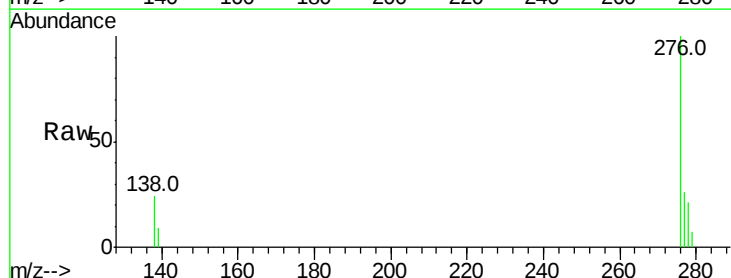
Tgt Ion:276 Resp: 31683

Ion Ratio Lower Upper

276 100

138 23.1 28.0 42.0#

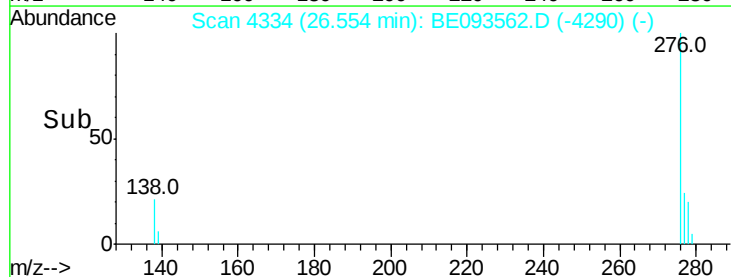
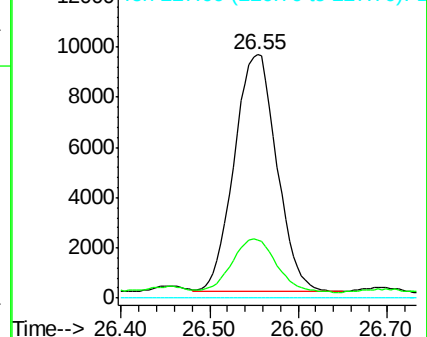
227 0.0 8.0 12.0#

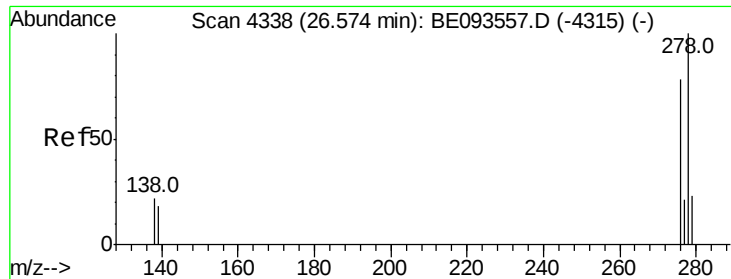


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.082 ng/ul

RT: 26.56 min Scan# 4336

Delta R.T. -0.01 min

Lab File: BE093562.D

Acq: 25 Jul 2017 5:44

Instrument :

BNA_E

ClientSampleId :

C0B38

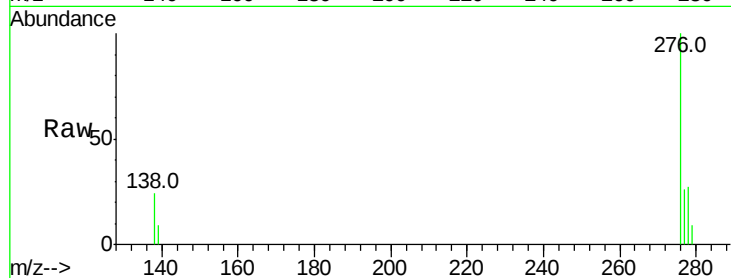
Tot Ion:278 Resp: 8085

Ion Ratio Lower Upper

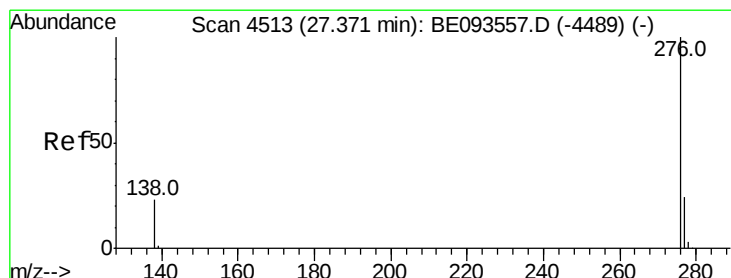
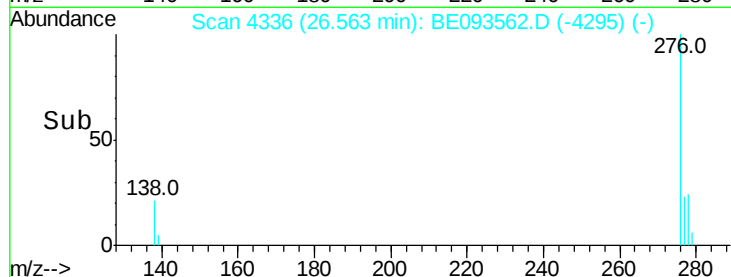
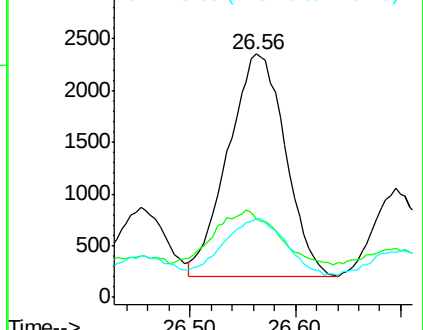
278 100

139 32.3 17.4 26.0#

279 32.4 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: 0.284 ng/ul

RT: 27.36 min Scan# 4512

Delta R.T. -0.01 min

Lab File: BE093562.D

Acq: 25 Jul 2017 5:44

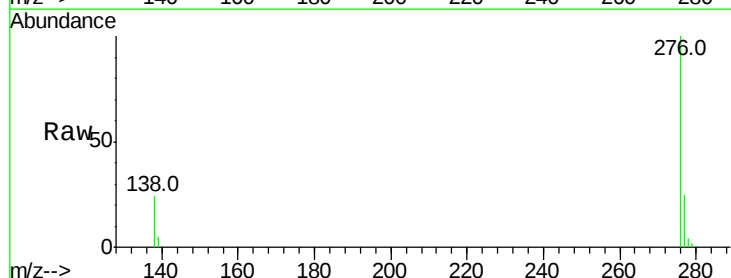
Tgt Ion:276 Resp: 28393

Ion Ratio Lower Upper

276 100

138 23.6 21.8 32.8

277 25.5 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

