

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061917\
 Data File : BE093270.D
 Acq On : 20 Jun 2017 3:09
 Operator : SJ/MA
 Sample : I3599-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5D42

Quant Time: Jun 20 09:32:00 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 08:49:11 2017
 Response via : Initial Calibration

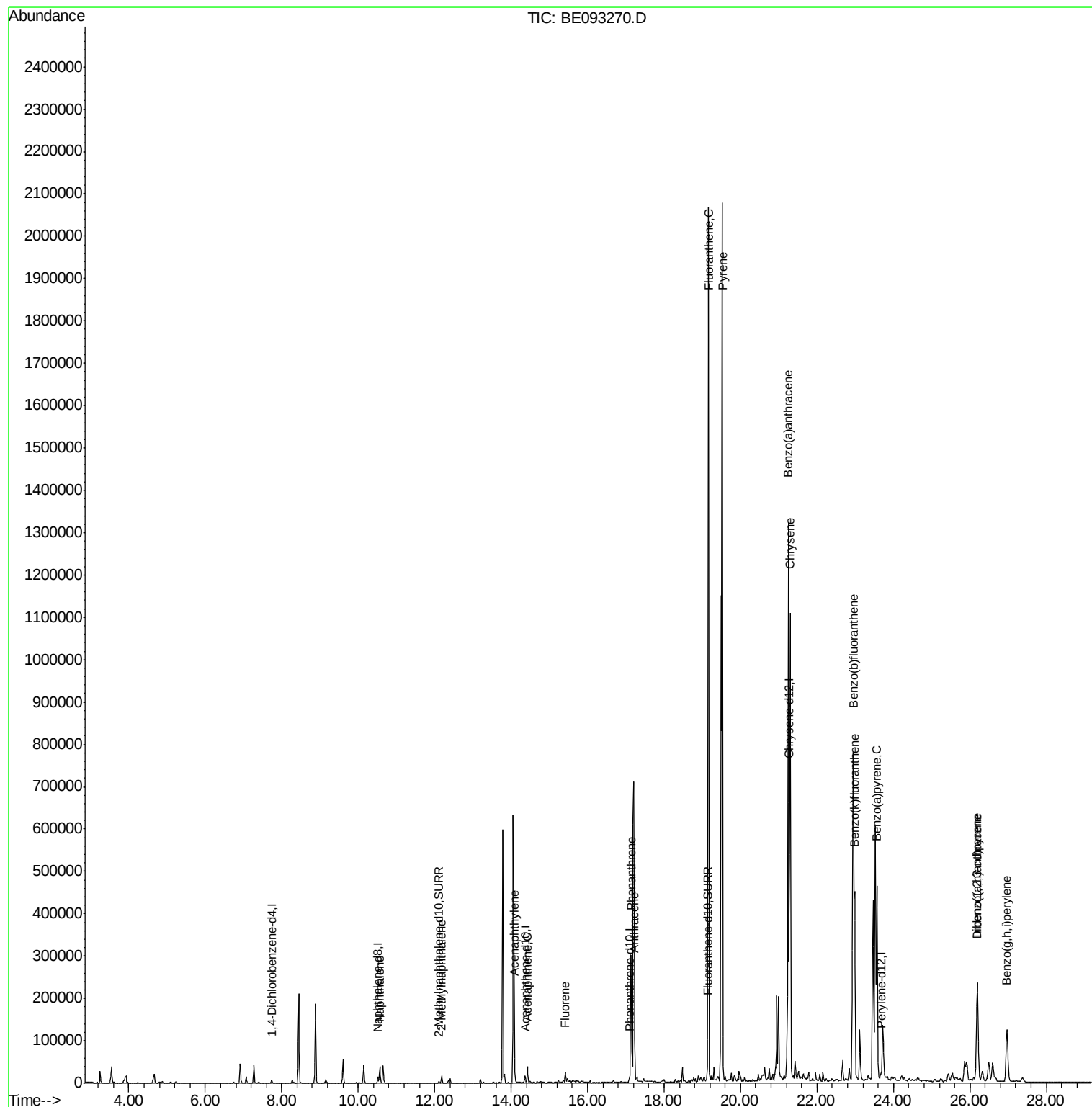
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2745	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	14199	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	8751	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	20194	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	20014	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	16664m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	5157	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	12484	0.23	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	56447	1.602	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	14890	0.618	ng/ul	98
7) Acenaphthylene	14.09	152	90794	2.418	ng/ul	95
8) Acenaphthene	14.43	153	23600	0.779	ng/ul	97
9) Fluorene	15.42	166	16308	0.459	ng/ul	93
12) Phenanthrene	17.14	178	320153	5.762	ng/ul#	88
13) Anthracene	17.22	178	227125	4.695	ng/ul#	87
15) Fluoranthene	19.16	202	2267425	33.277	ng/ul	84
17) Pyrene	19.52	202	2145189	36.345	ng/ul#	86
18) Benzo(a)anthracene	21.25	228	1136228	21.283	ng/ul#	85
19) Chrysene	21.30	228	1255063	22.663	ng/ul	97
21) Benzo(b)fluoranthene	22.94	252	1424889	28.176	ng/ul	87
22) Benzo(k)fluoranthene	22.98	252	471102m	8.771	ng/ul	
23) Benzo(a)pyrene	23.57	252	633595m	13.251	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.19	276	382082m	6.901	ng/ul	
25) Dibenzo(a,h)anthracene	26.20	278	122793m	2.634	ng/ul	
26) Benzo(g,h,i)perylene	26.97	276	266495	5.613	ng/ul	96

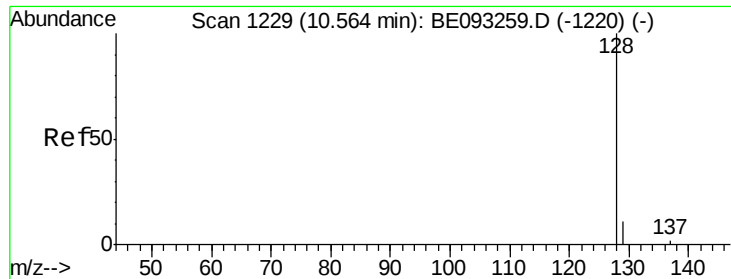
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.602 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :

F5D42

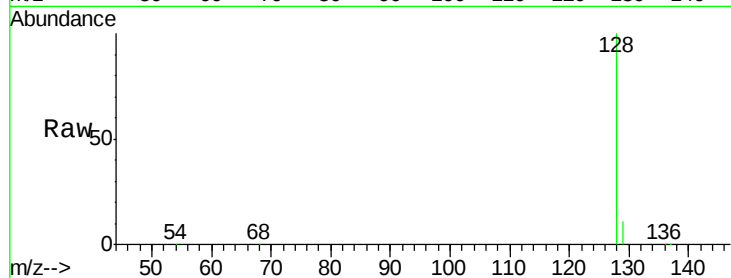
Tgt Ion:128 Resp: 56447

Ion Ratio Lower Upper

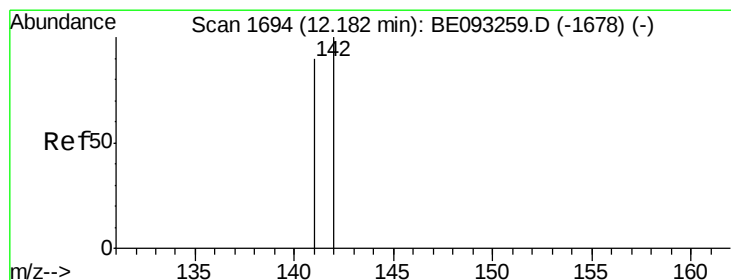
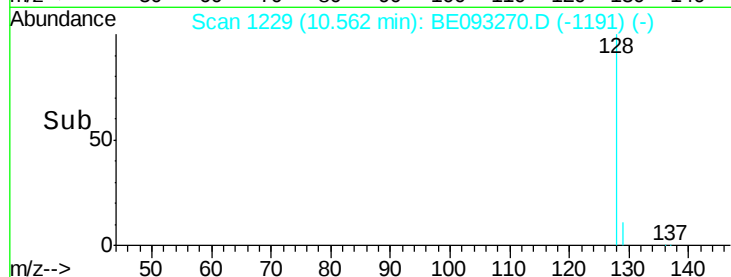
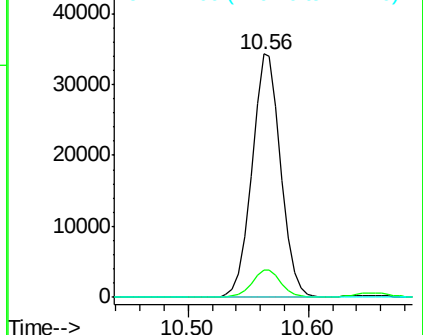
128 100

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: 0.618 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093270.D

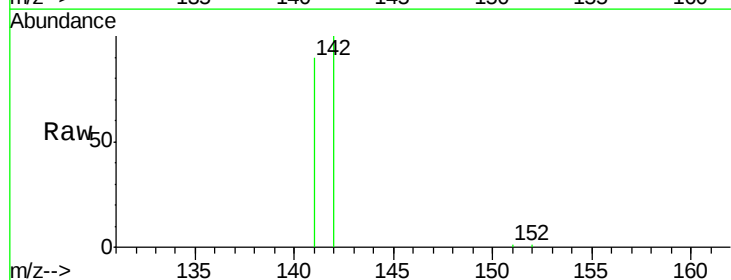
Acq: 20 Jun 2017 3:09

Tgt Ion:142 Resp: 14890

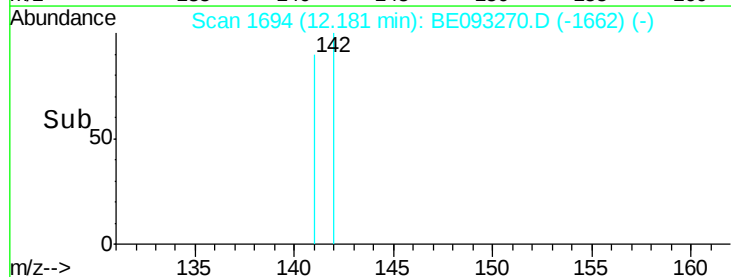
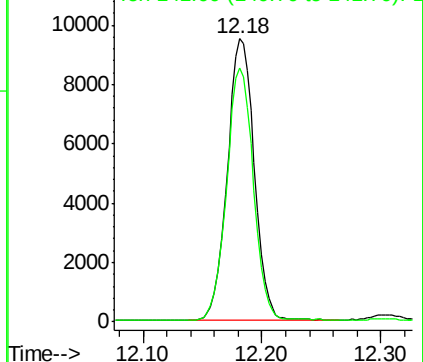
Ion Ratio Lower Upper

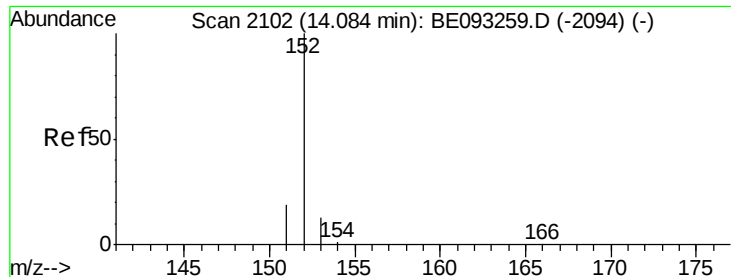
142 100

141 89.2 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: 2.418 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :

F5D42

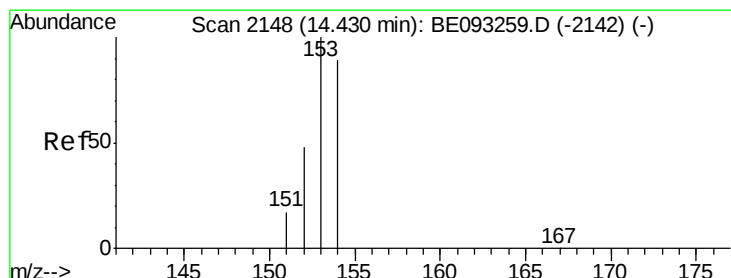
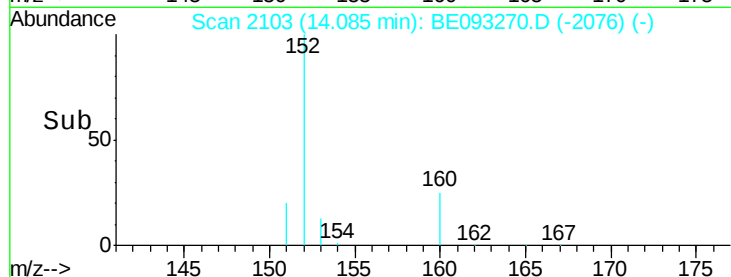
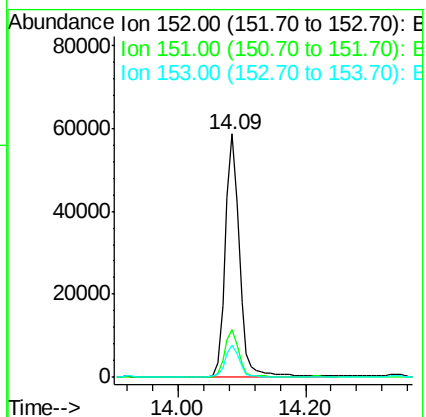
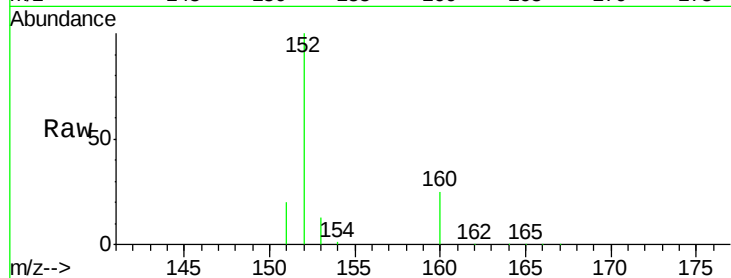
Tgt Ion:152 Resp: 90794

Ion Ratio Lower Upper

152 100

151 19.8 17.1 25.7

153 13.2 12.8 19.2



#8

Acenaphthene

Concen: 0.779 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

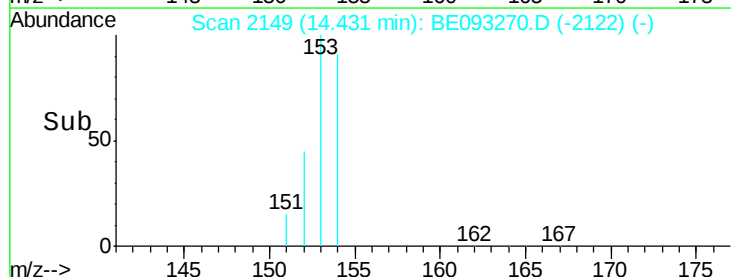
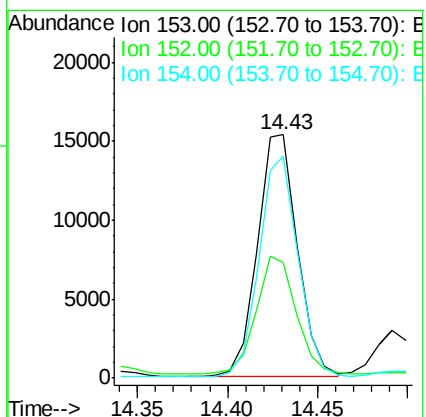
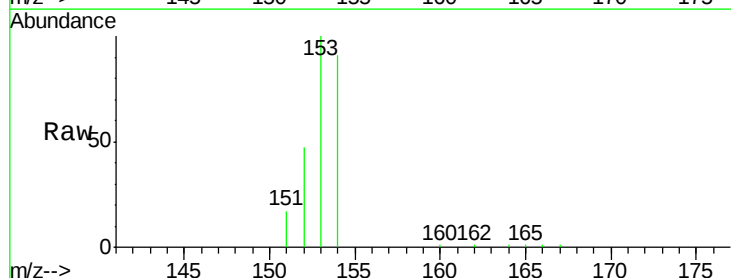
Tgt Ion:153 Resp: 23600

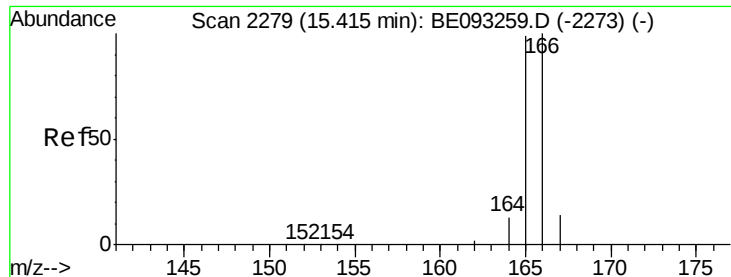
Ion Ratio Lower Upper

153 100

152 47.3 40.3 60.5

154 91.3 71.4 107.2





#9

Fluorene

Concen: 0.459 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :

F5D42

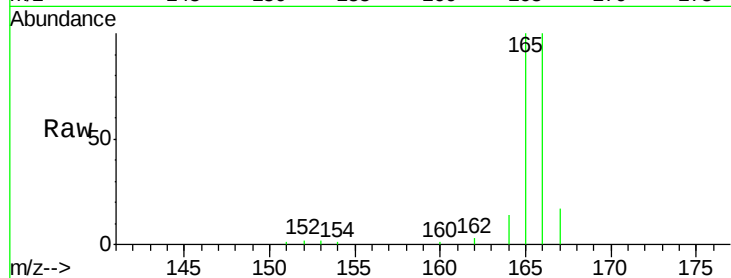
Tgt Ion:166 Resp: 16308

Ion Ratio Lower Upper

166 100

165 99.6 73.4 110.2

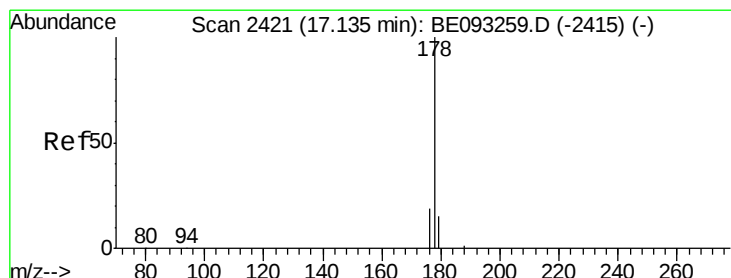
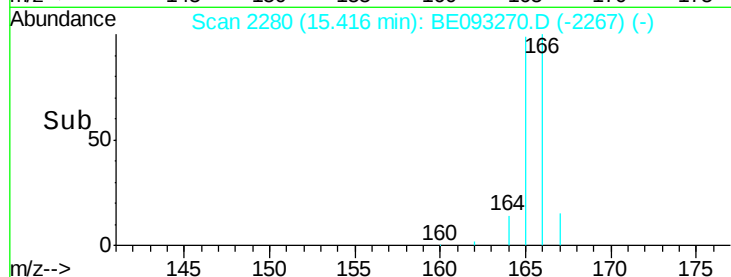
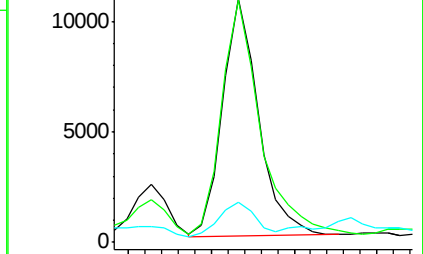
167 16.7 14.6 22.0



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: 5.762 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

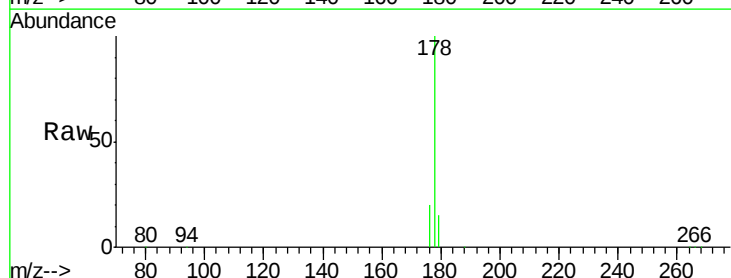
Tgt Ion:178 Resp: 320153

Ion Ratio Lower Upper

178 100

179 15.0 18.4 27.6#

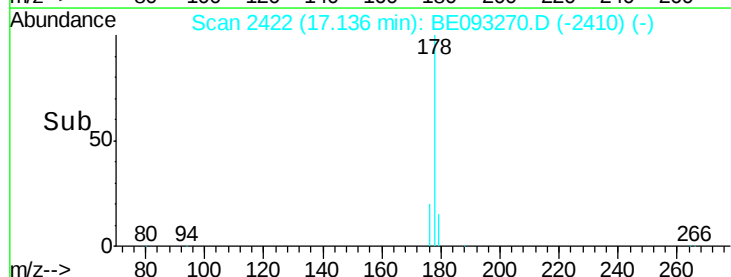
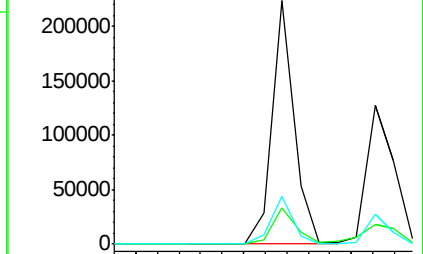
176 19.9 13.6 20.4

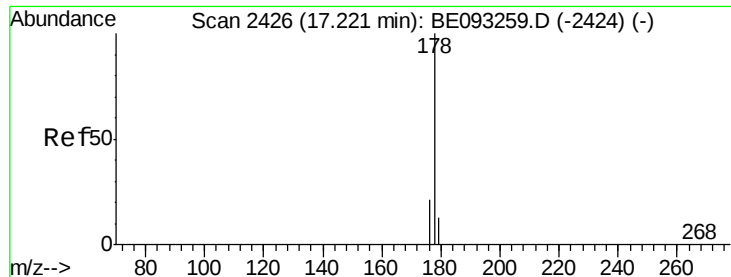


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 4.695 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :

F5D42

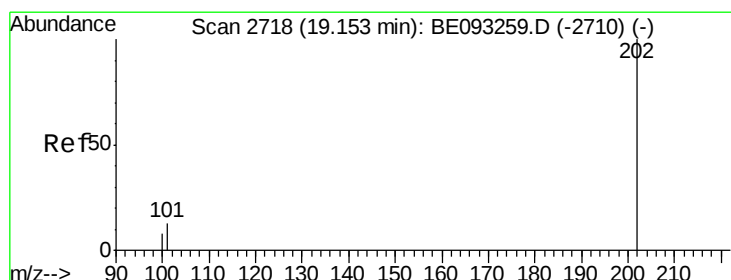
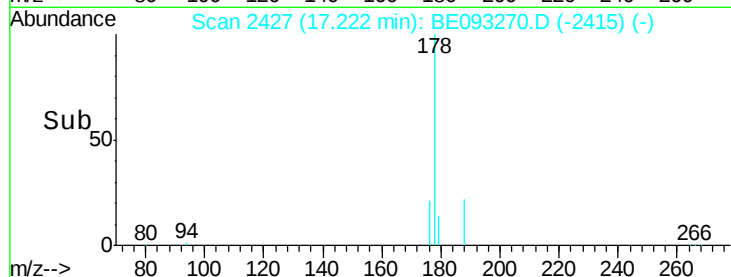
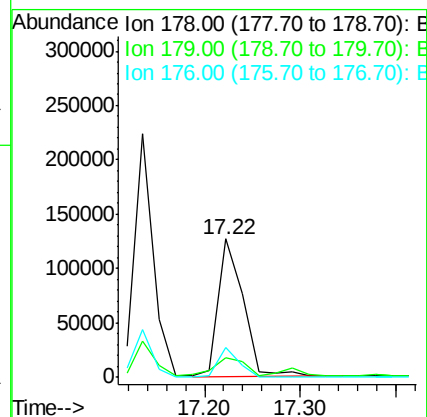
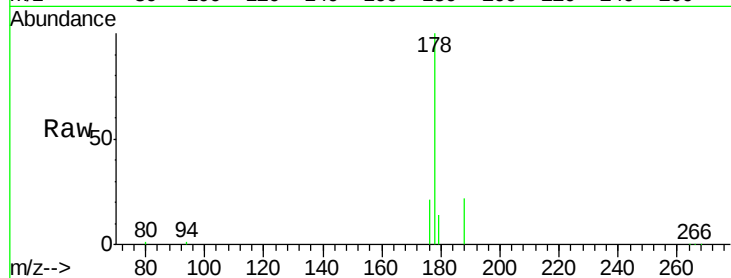
Tgt Ion:178 Resp: 227125

Ion Ratio Lower Upper

178 100

179 13.8 18.1 27.1#

176 21.4 14.7 22.1



#15

Fluoranthene

Concen: 33.277 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. 0.01 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

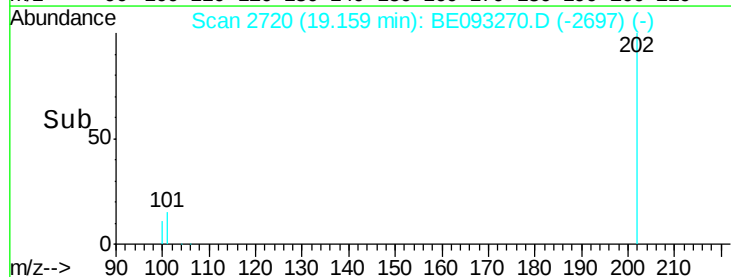
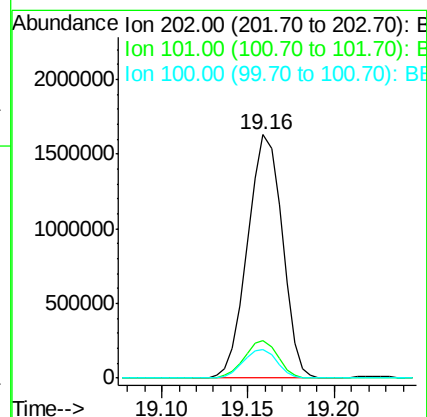
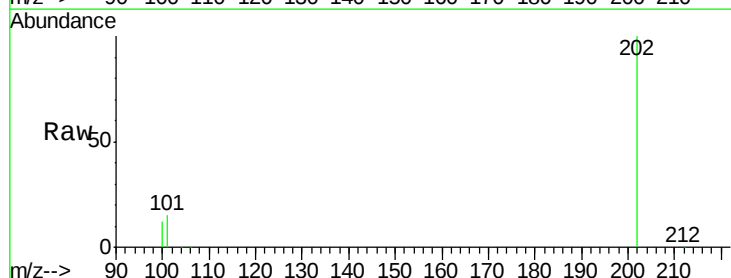
Tgt Ion:202 Resp: 2267425

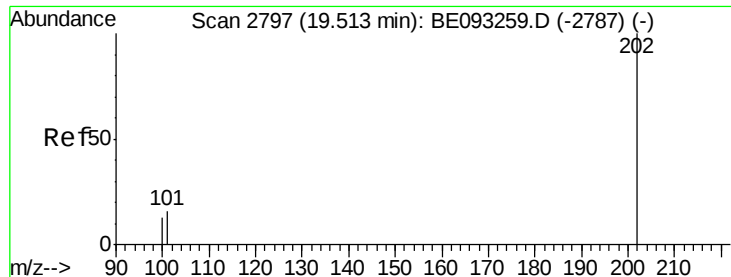
Ion Ratio Lower Upper

202 100

101 15.2 0.0 30.3

100 11.5 0.0 39.5





#17

Pyrene

Concen: 36.345 ng/ul

RT: 19.52 min Scan# 2800

Delta R.T. 0.01 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :

F5D42

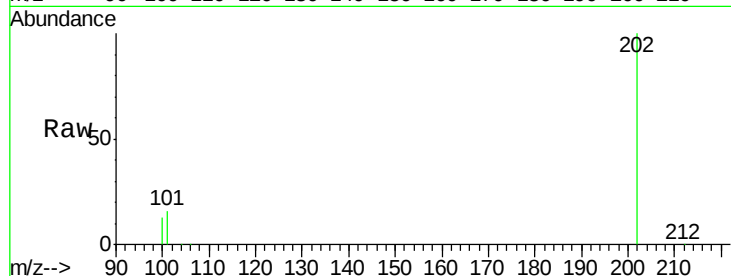
Tgt Ion:202 Resp: 2145189

Ion Ratio Lower Upper

202 100

101 16.1 18.2 27.4#

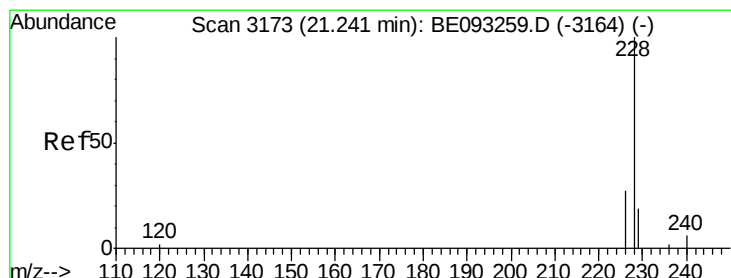
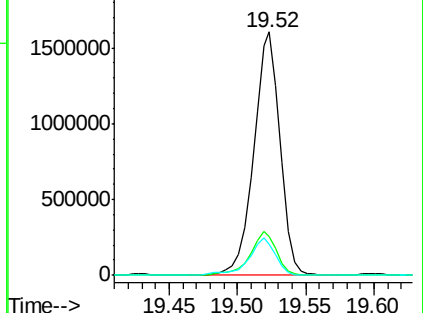
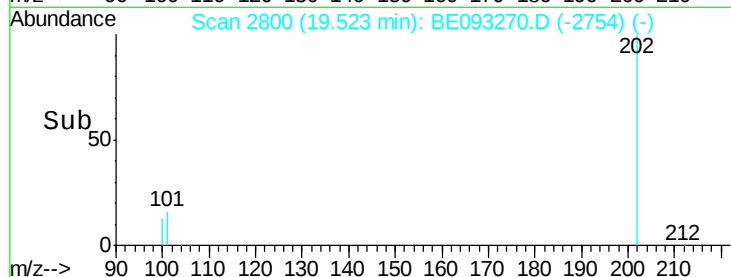
100 12.9 15.6 23.4#



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: 21.283 ng/ul

RT: 21.25 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

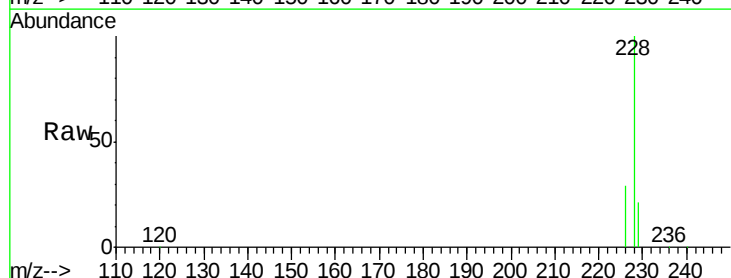
Tgt Ion:228 Resp: 1136228

Ion Ratio Lower Upper

228 100

229 21.4 22.8 34.2#

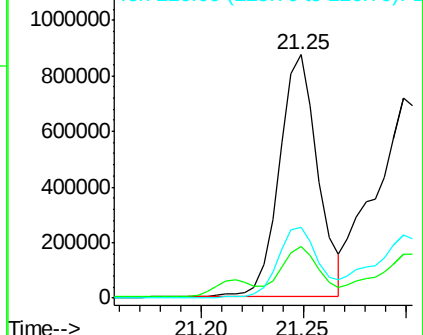
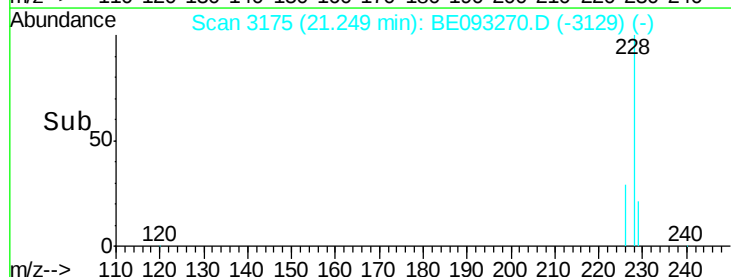
226 29.1 17.0 25.6#

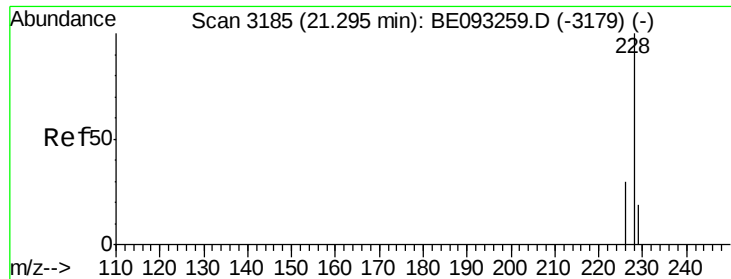


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 22.663 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :

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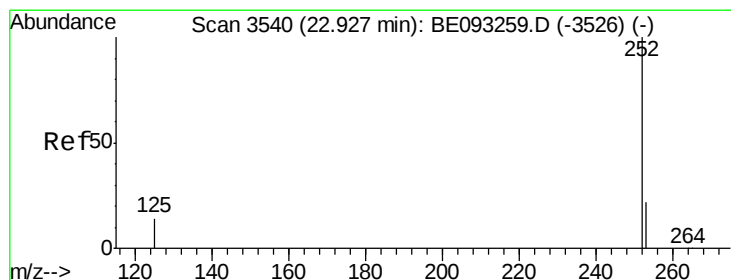
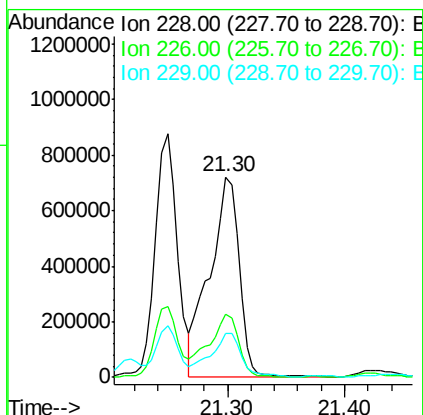
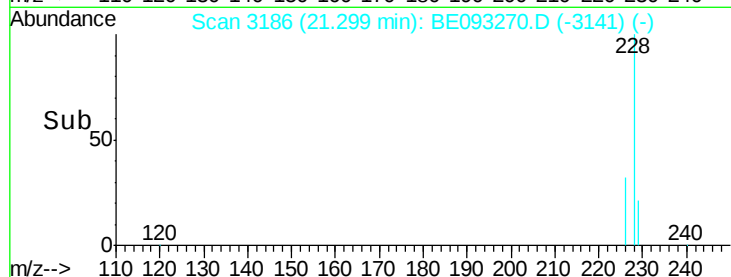
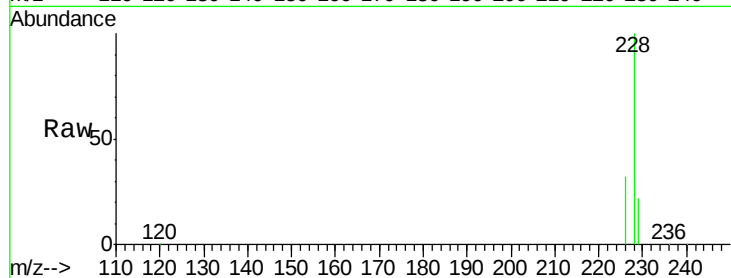
Tgt Ion:228 Resp: 1255063

Ion Ratio Lower Upper

228 100

226 31.8 23.4 35.0

229 21.7 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 28.176 ng/ul

RT: 22.94 min Scan# 3544

Delta R.T. 0.02 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

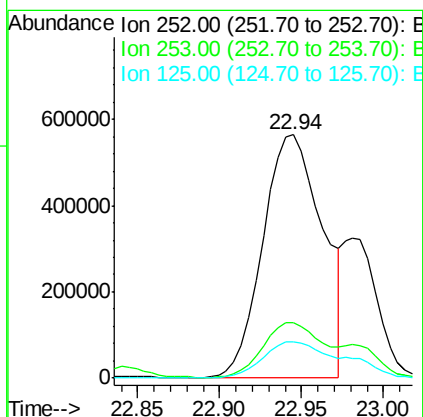
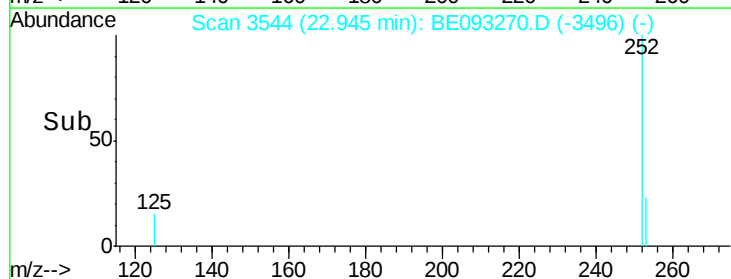
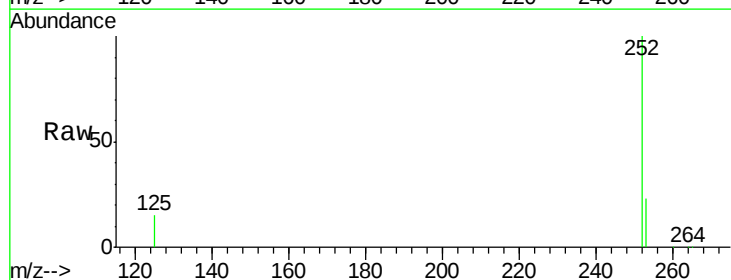
Tgt Ion:252 Resp: 1424889

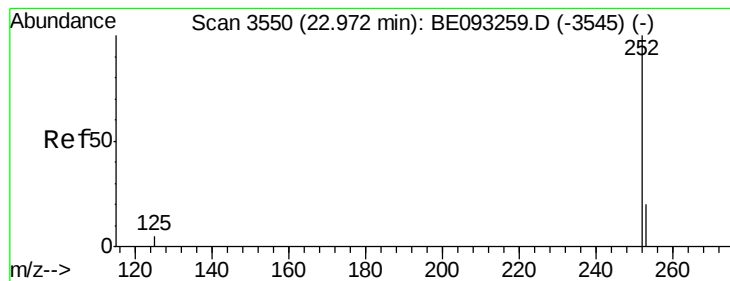
Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

125 15.1 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 8.771 ng/ul m

RT: 22.98 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :

F5D42

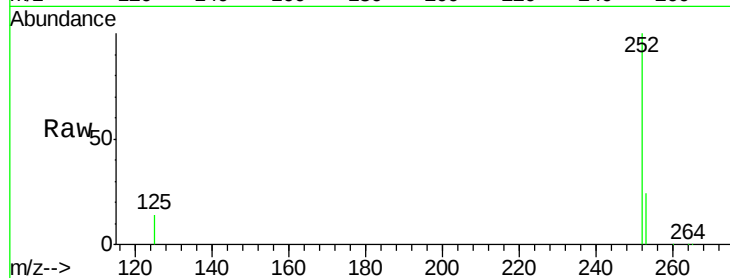
Tgt Ion:252 Resp: 471102

Ion Ratio Lower Upper

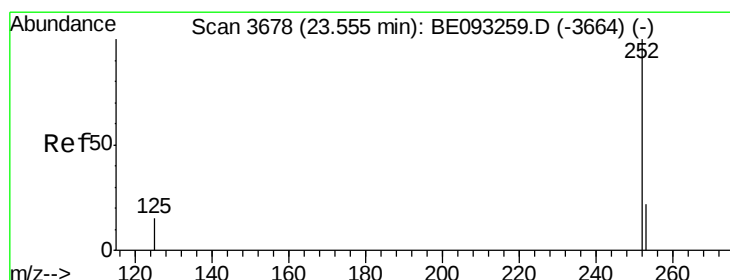
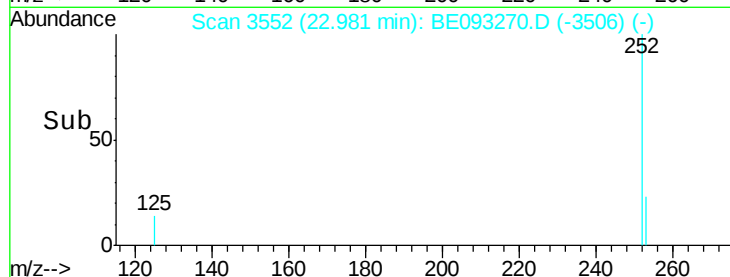
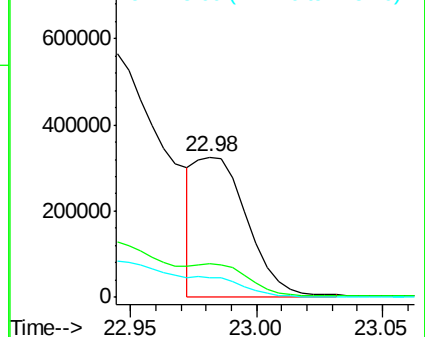
252 100

253 23.8 24.5 36.7#

125 14.3 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: 13.251 ng/ul m

RT: 23.57 min Scan# 3681

Delta R.T. 0.01 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

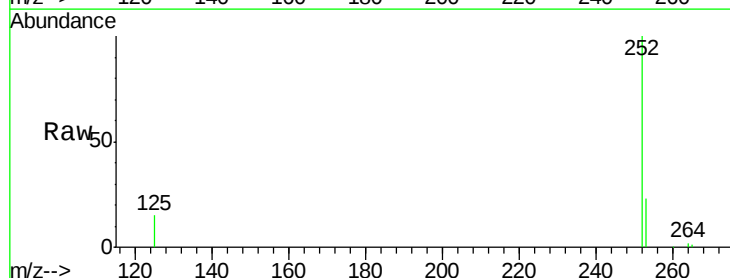
Tgt Ion:252 Resp: 633595

Ion Ratio Lower Upper

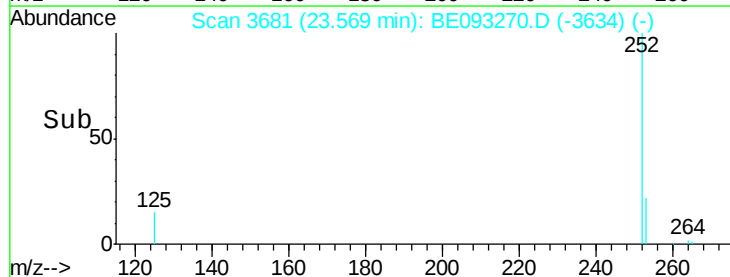
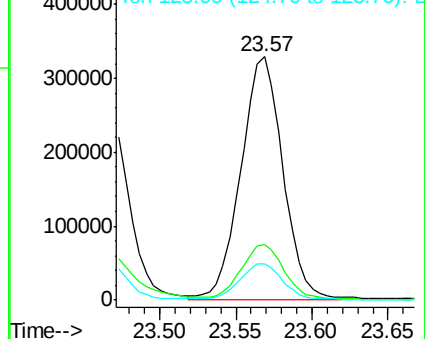
252 100

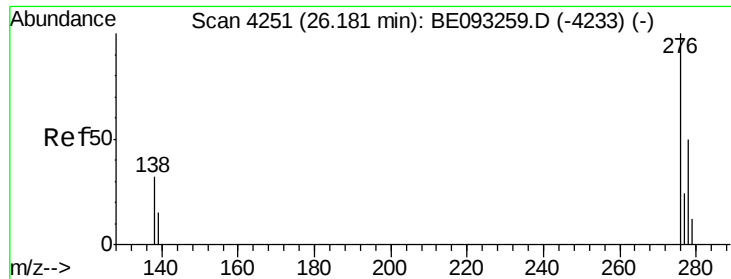
253 23.0 28.5 42.7#

125 15.1 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: 6.901 ng/ul m

RT: 26.19 min Scan# 4253

Delta R.T. 0.01 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :

F5D42

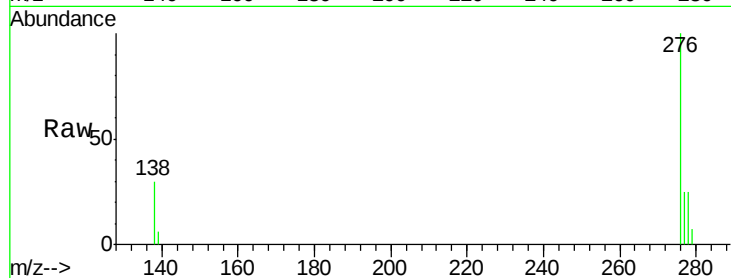
Tgt Ion:276 Resp: 382082

Ion Ratio Lower Upper

276 100

138 3.2 28.0 42.0#

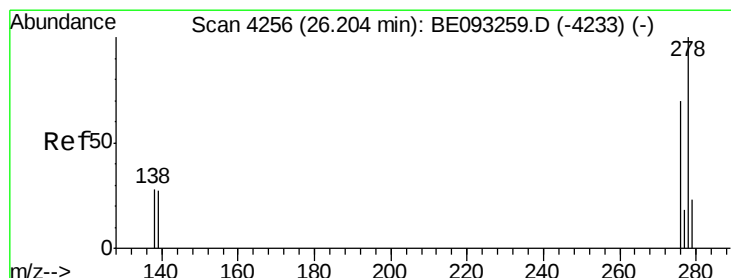
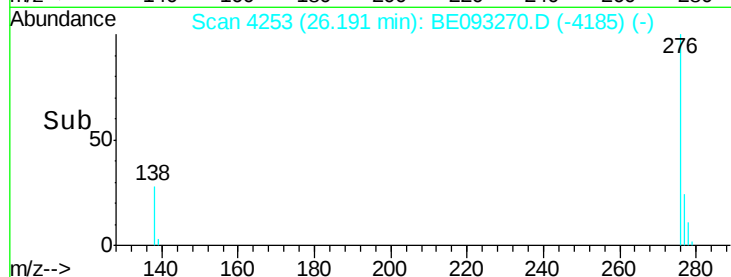
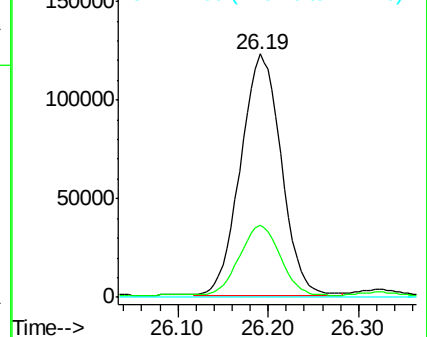
227 0.0 8.0 12.0#



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: 2.634 ng/ul m

RT: 26.20 min Scan# 4256

Delta R.T. 0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

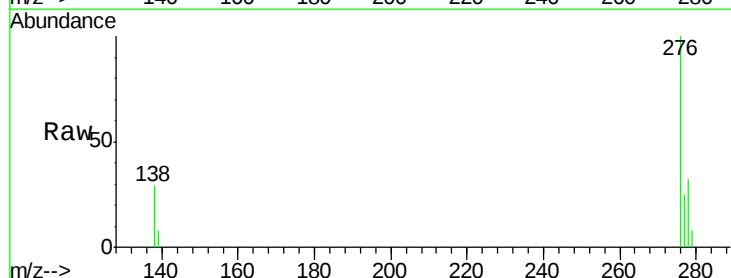
Tgt Ion:278 Resp: 122793

Ion Ratio Lower Upper

278 100

139 23.5 17.4 26.0

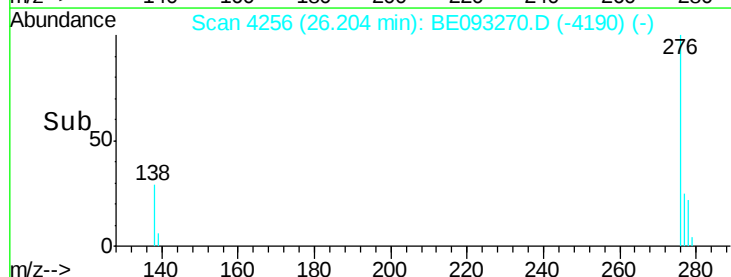
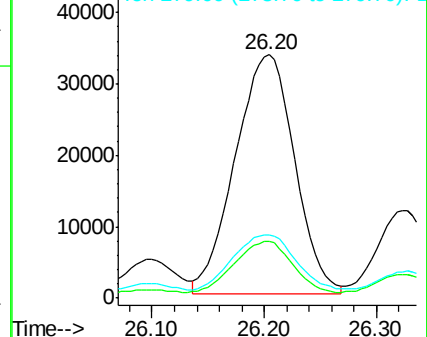
279 26.1 25.9 38.9

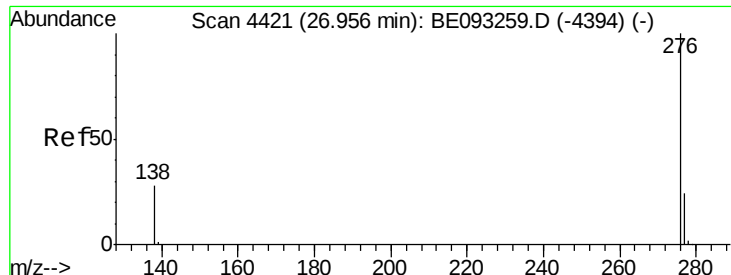


Abundance Ion 278.00 (277.70 to 278.70): E

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: 5.613 ng/ul

RT: 26.97 min Scan# 4424

Delta R.T. 0.01 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :

F5D42

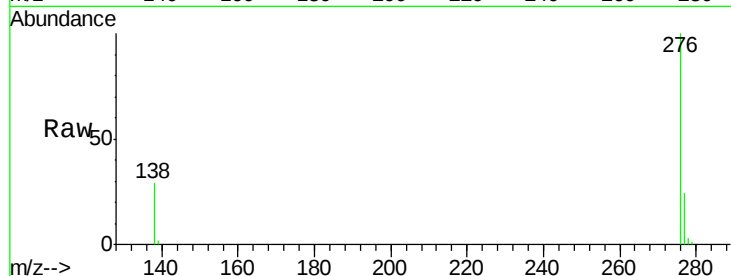
Tgt Ion: 276 Resp: 266495

Ion Ratio Lower Upper

276 100

138 29.3 21.8 32.8

277 24.0 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

