

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061917\
 Data File : BE093263.D
 Acq On : 19 Jun 2017 22:50
 Operator : SJ/MA
 Sample : I3600-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5A16

Quant Time: Jun 20 15:23:29 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

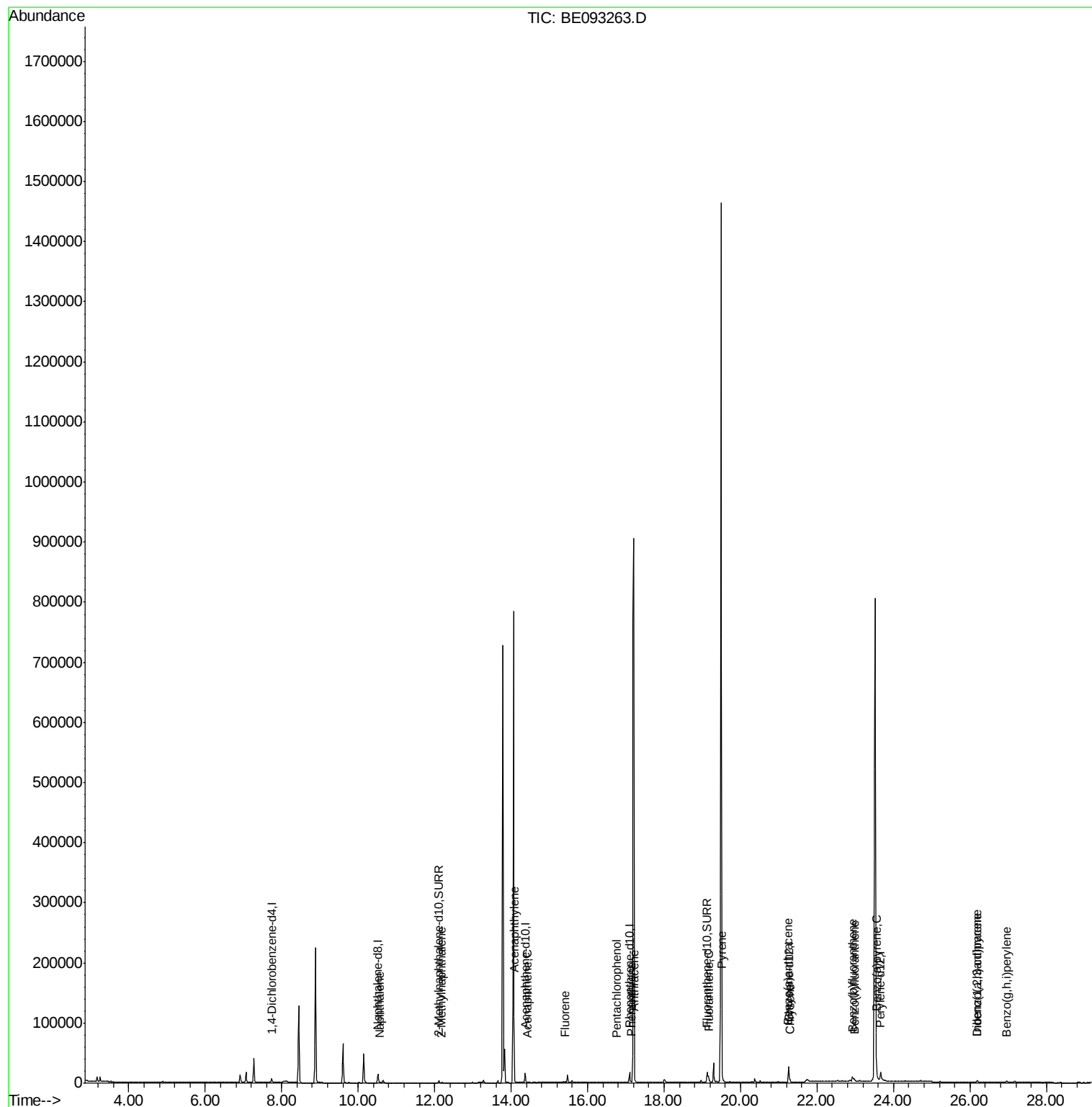
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2809	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	14479	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	9025	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	21901m	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	21257	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	17203m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	6164	0.29	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	18006	0.30	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.57	128	1091	0.030	ng/ul#	83
5) 2-Methylnaphthalene	12.18	142	733	0.030	ng/ul	95
7) Acenaphthylene	14.09	152	1994	0.051	ng/ul	93
8) Acenaphthene	14.42	153	638	0.020	ng/ul#	92
9) Fluorene	15.42	166	1014	0.028	ng/ul#	92
11) Pentachlorophenol	16.75	266	361	0.111	ng/ul	90
12) Phenanthrene	17.14	178	2820	0.047	ng/ul#	93
13) Anthracene	17.22	178	5661	0.108	ng/ul#	92
15) Fluoranthene	19.15	202	5292	0.072	ng/ul#	27
17) Pyrene	19.52	202	13688	0.218	ng/ul#	90
18) Benzo(a)anthracene	21.24	228	4839	0.085	ng/ul#	90
19) Chrysene	21.29	228	6159	0.105	ng/ul#	90
21) Benzo(b)fluoranthene	22.93	252	10959	0.210	ng/ul	87
22) Benzo(k)fluoranthene	22.98	252	4761m	0.086	ng/ul	
23) Benzo(a)pyrene	23.56	252	5961m	0.121	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.18	276	4894m	0.086	ng/ul	
25) Dibenzo(a,h)anthracene	26.20	278	1943m	0.040	ng/ul	
26) Benzo(g,h,i)perylene	26.96	276	4232	0.086	ng/ul#	83

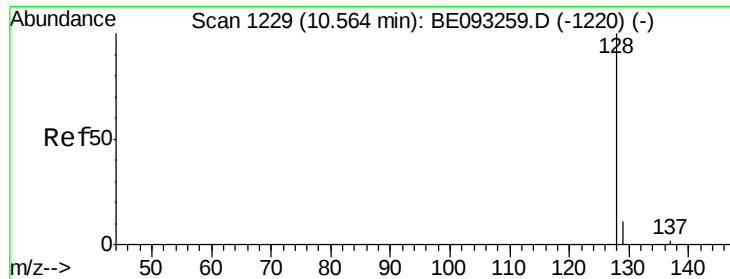
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.030 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

Instrument :

BNA_E

ClientSampleId :

F5A16

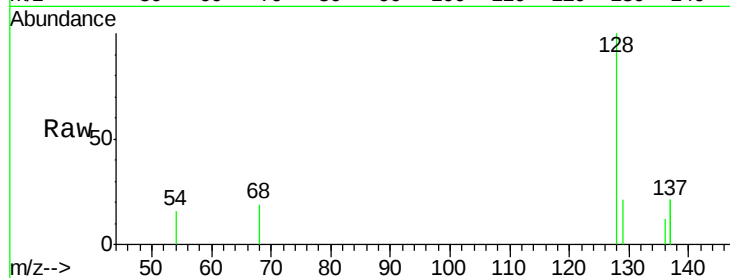
Tgt Ion:128 Resp: 1091

Ion Ratio Lower Upper

128 100

129 21.4 11.3 16.9#

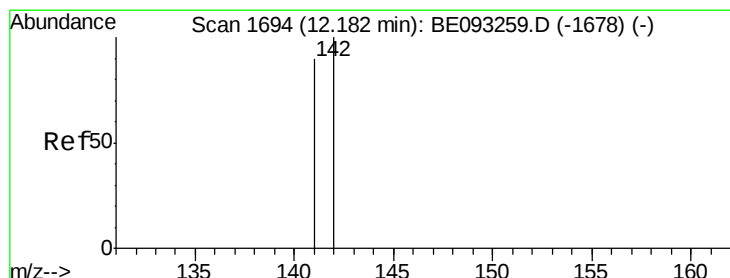
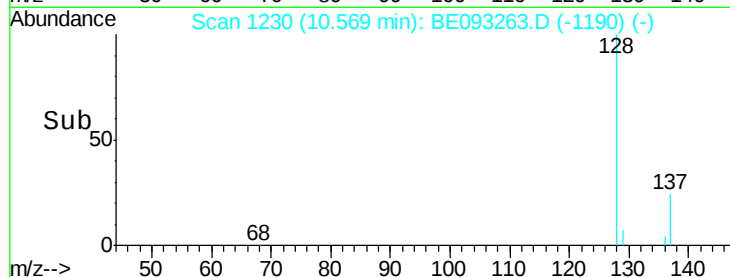
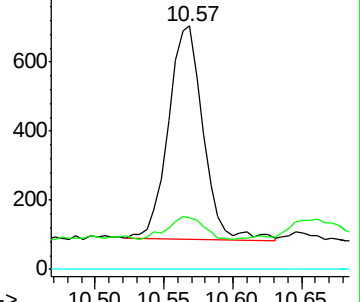
127 0.0 4.0 6.0#



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: 0.030 ng/ul

RT: 12.18 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BE093263.D

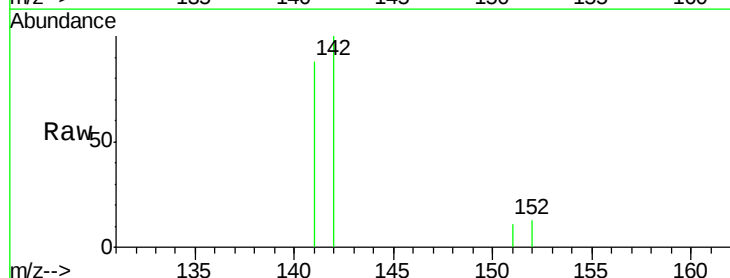
Acq: 19 Jun 2017 22:50

Tgt Ion:142 Resp: 733

Ion Ratio Lower Upper

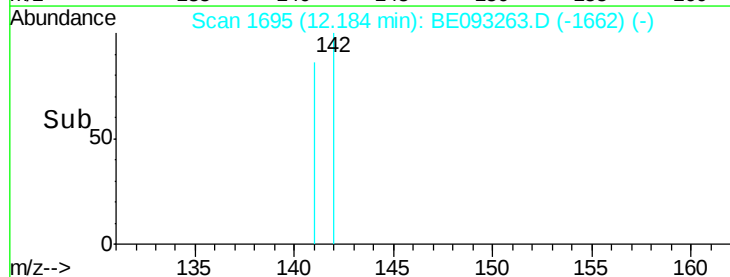
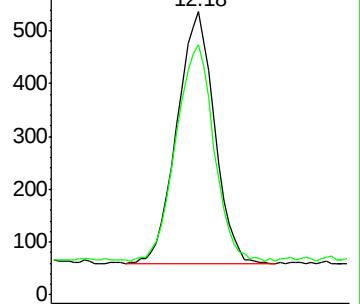
142 100

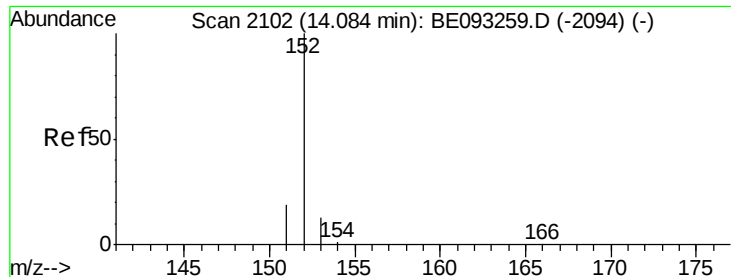
141 86.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.051 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

Instrument :

BNA_E

ClientSampleId :

F5A16

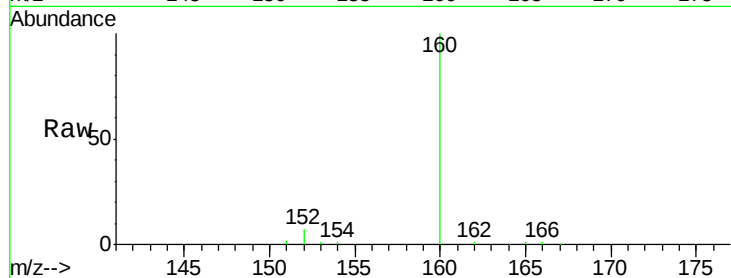
Tgt Ion:152 Resp: 1994

Ion Ratio Lower Upper

152 100

151 25.5 17.1 25.7

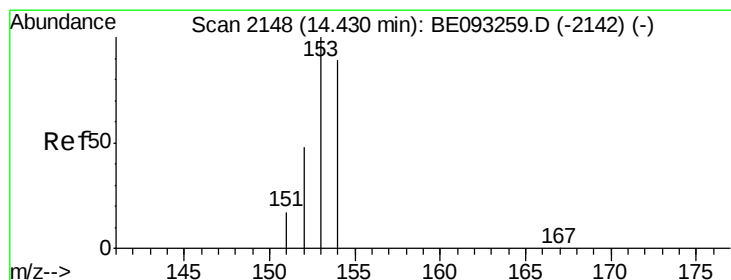
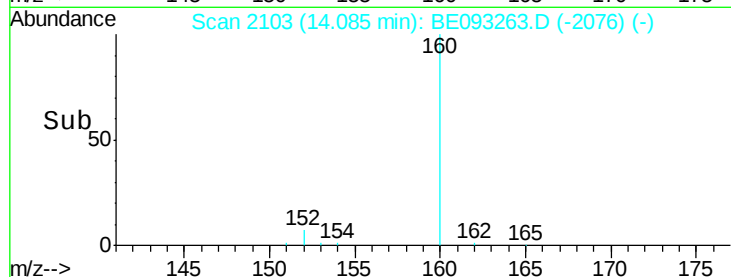
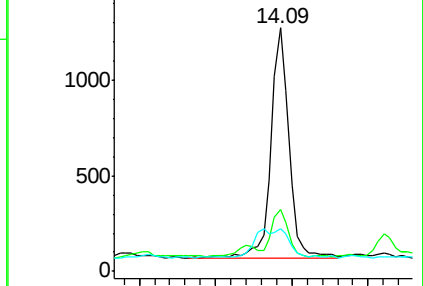
153 17.6 12.8 19.2



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: 0.020 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

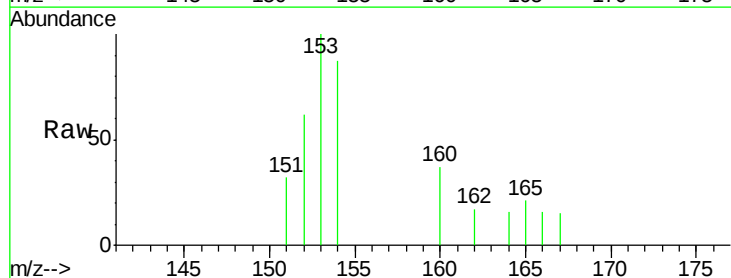
Tgt Ion:153 Resp: 638

Ion Ratio Lower Upper

153 100

152 61.5 40.3 60.5#

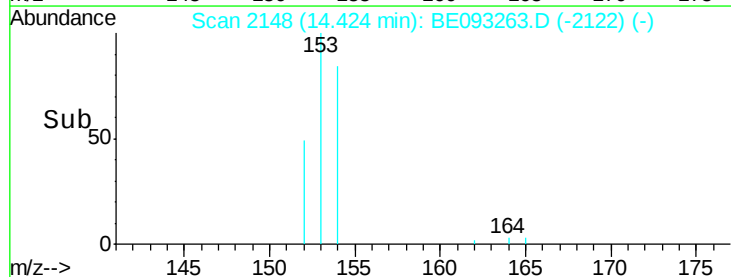
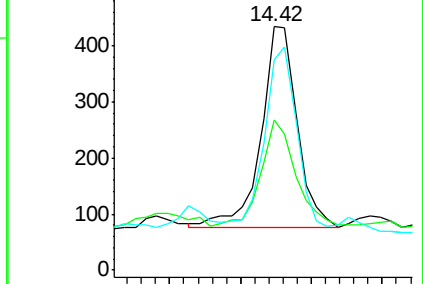
154 86.6 71.4 107.2

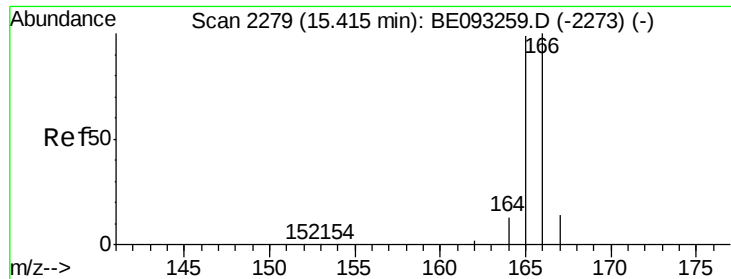


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.028 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

Instrument :

BNA_E

ClientSampleId :

F5A16

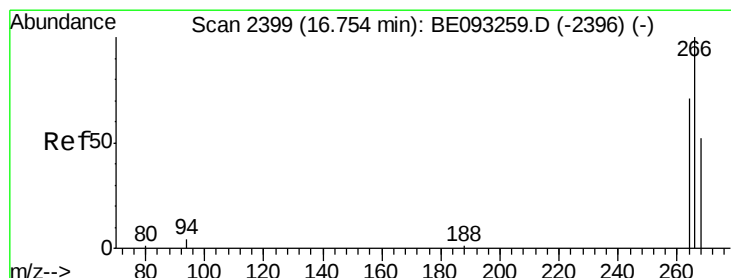
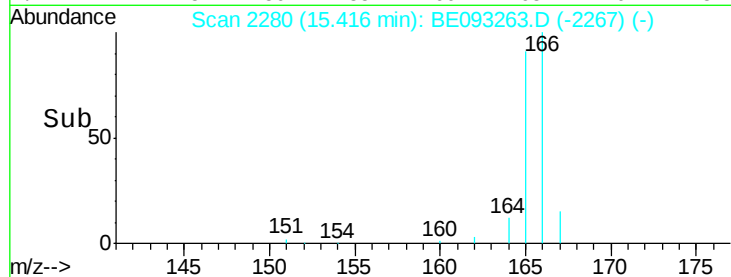
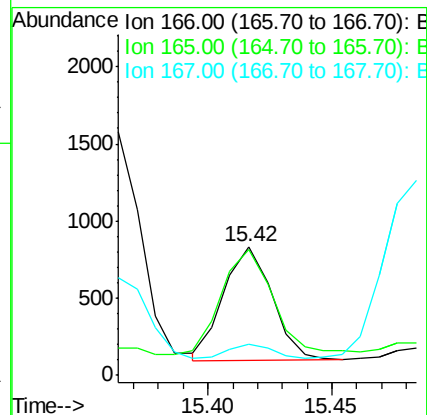
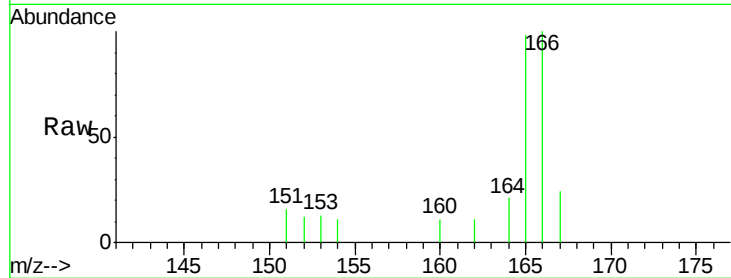
Tgt Ion:166 Resp: 1014

Ion Ratio Lower Upper

166 100

165 98.0 73.4 110.2

167 24.2 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.111 ng/ul

RT: 16.75 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

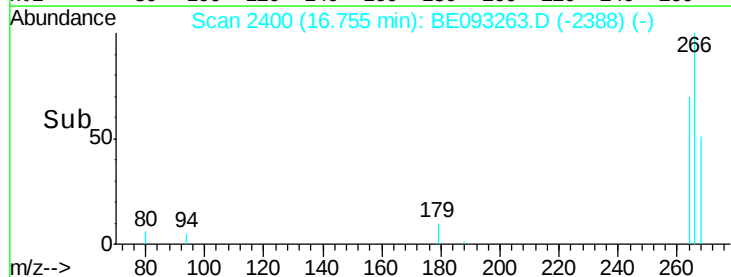
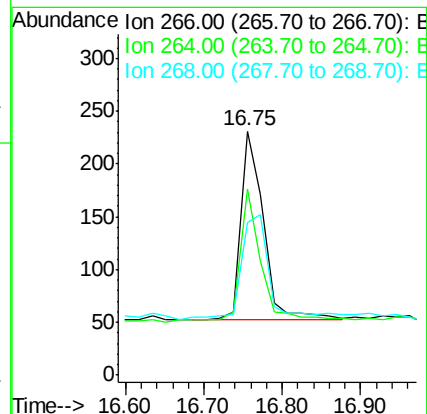
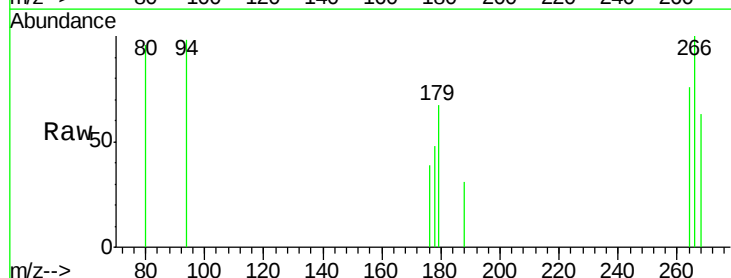
Tgt Ion:266 Resp: 361

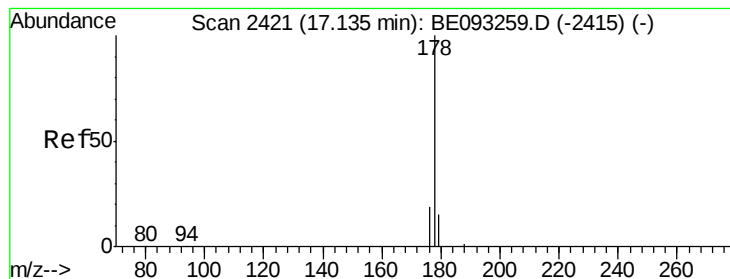
Ion Ratio Lower Upper

266 100

264 69.0 47.9 71.9

268 68.7 49.8 74.8





#12

Phenanthrene

Concen: 0.047 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

Instrument :

BNA_E

ClientSampleId :

F5A16

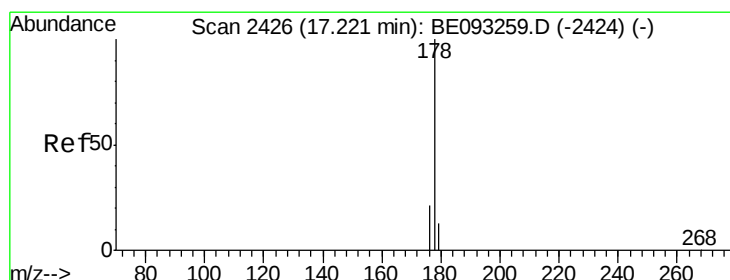
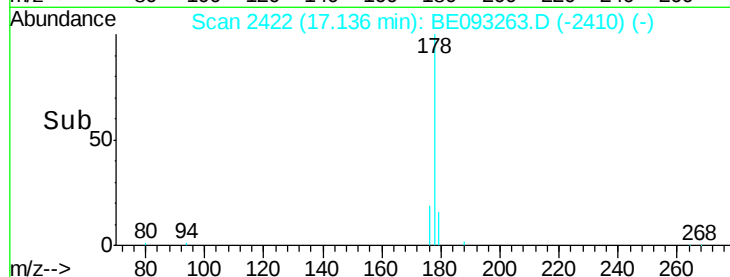
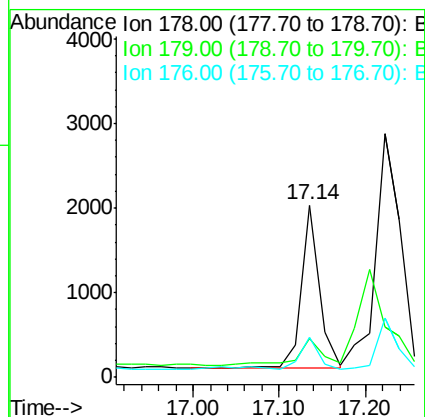
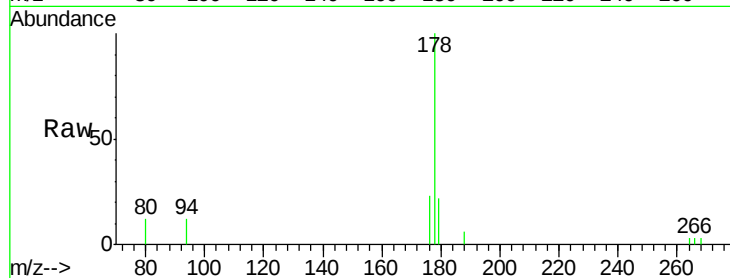
Tgt Ion:178 Resp: 2820

Ion Ratio Lower Upper

178 100

179 22.3 18.4 27.6

176 23.3 13.6 20.4#



#13

Anthracene

Concen: 0.108 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

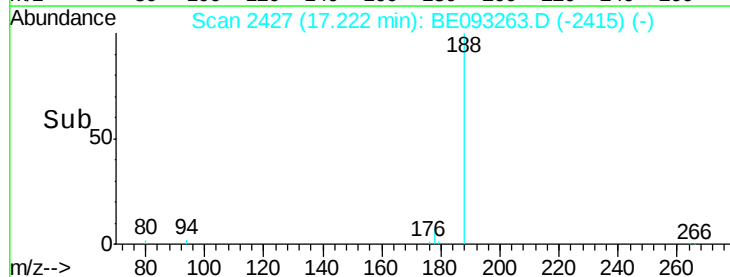
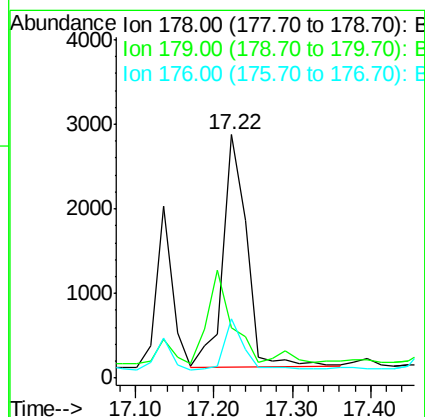
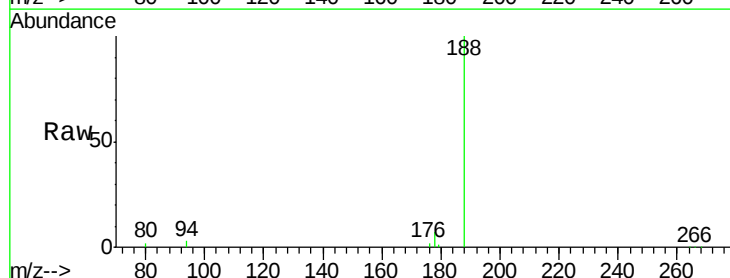
Tgt Ion:178 Resp: 5661

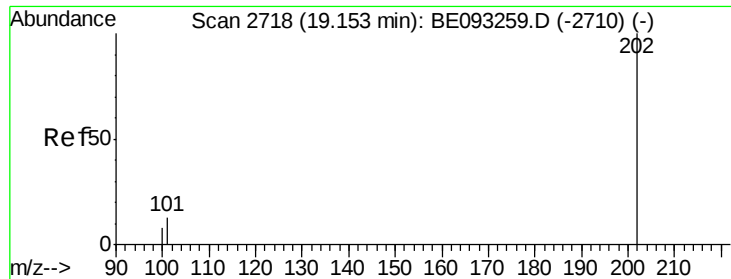
Ion Ratio Lower Upper

178 100

179 20.7 18.1 27.1

176 24.2 14.7 22.1#





#15

Fluoranthene

Concen: 0.072 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

Instrument :

BNA_E

ClientSampleId :

F5A16

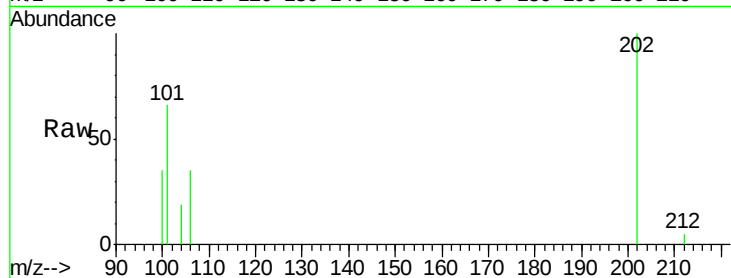
Tgt Ion:202 Resp: 5292

Ion Ratio Lower Upper

202 100

101 66.0 0.0 30.3#

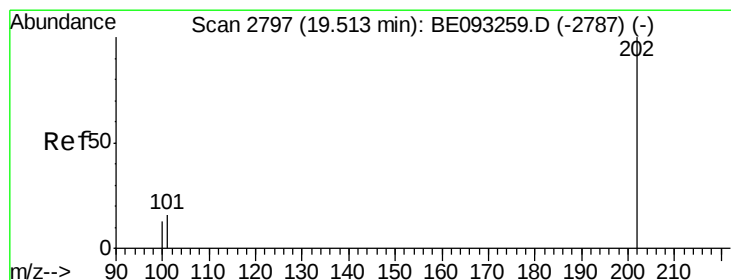
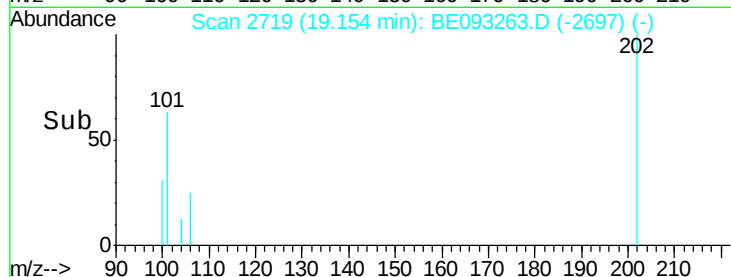
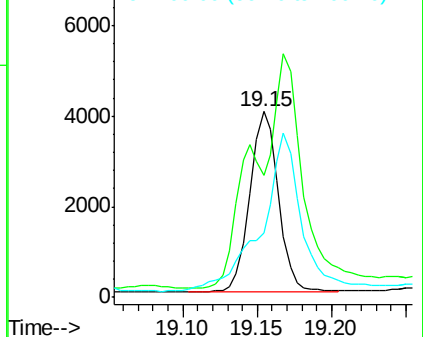
100 34.7 0.0 39.5



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): BE



#17

Pyrene

Concen: 0.218 ng/ul

RT: 19.52 min Scan# 2799

Delta R.T. 0.01 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

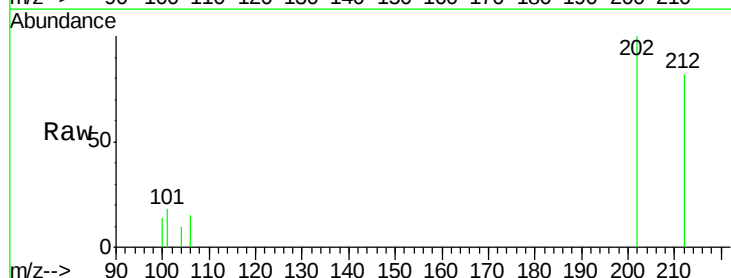
Tgt Ion:202 Resp: 13688

Ion Ratio Lower Upper

202 100

101 18.5 18.2 27.4

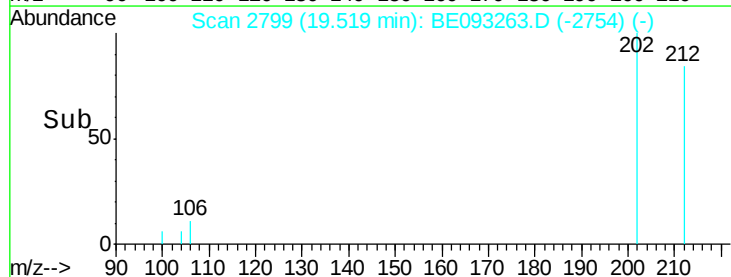
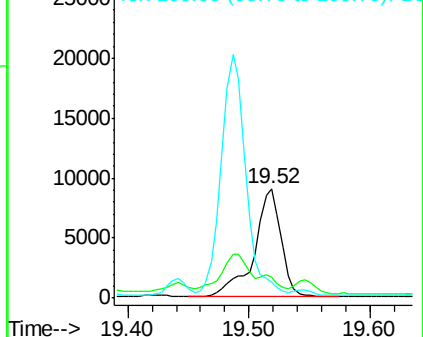
100 14.3 15.6 23.4#

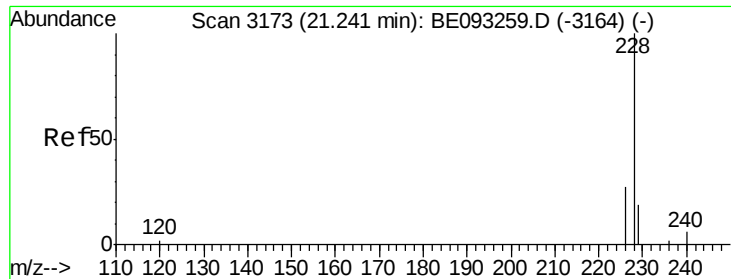


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.085 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093263.D

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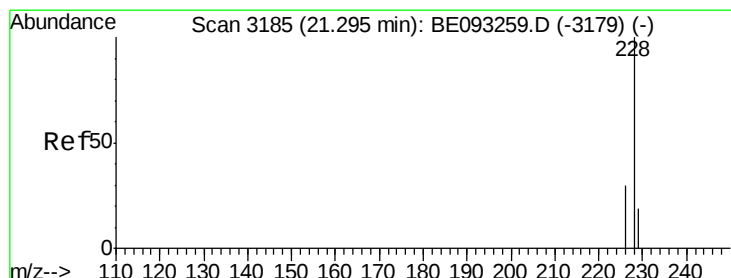
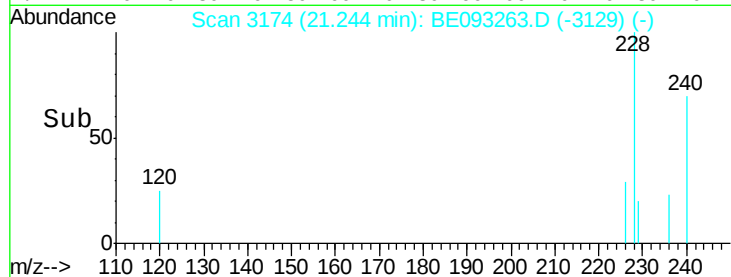
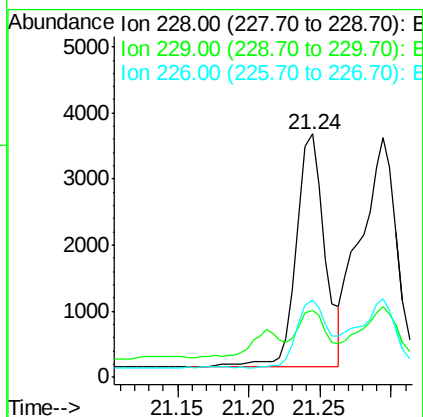
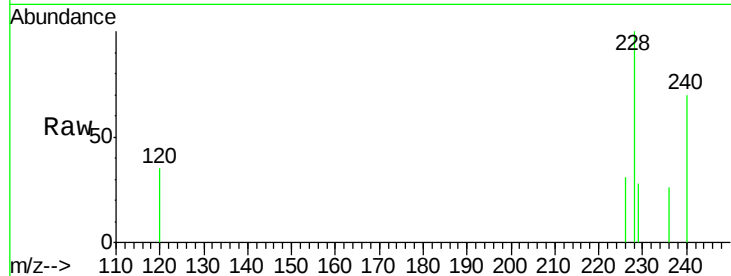
Tgt Ion:228 Resp: 4839

Ion Ratio Lower Upper

228 100

229 27.7 22.8 34.2

226 31.5 17.0 25.6#



#19

Chrysene

Concen: 0.105 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

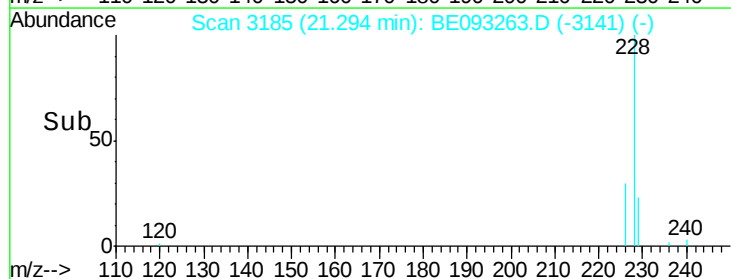
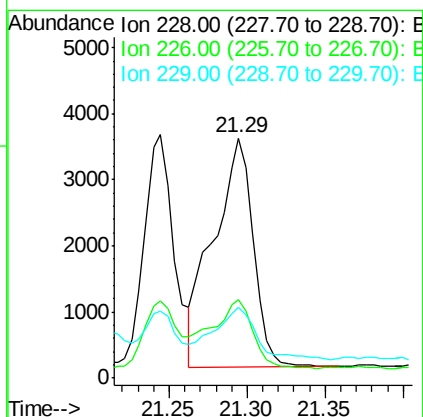
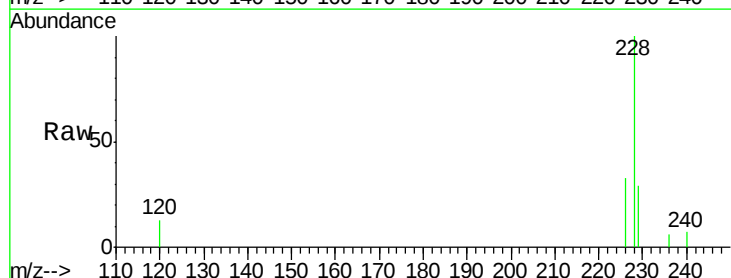
Tgt Ion:228 Resp: 6159

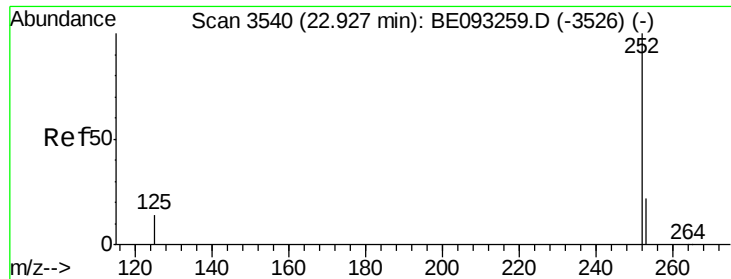
Ion Ratio Lower Upper

228 100

226 32.8 23.4 35.0

229 29.5 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.210 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

Instrument :

BNA_E

ClientSampleId :

F5A16

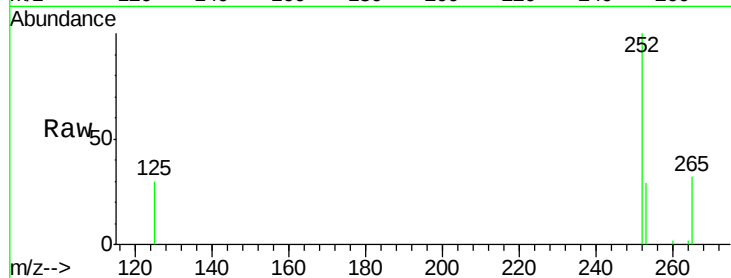
Tgt Ion:252 Resp: 10959

Ion Ratio Lower Upper

252 100

253 29.0 0.0 64.2

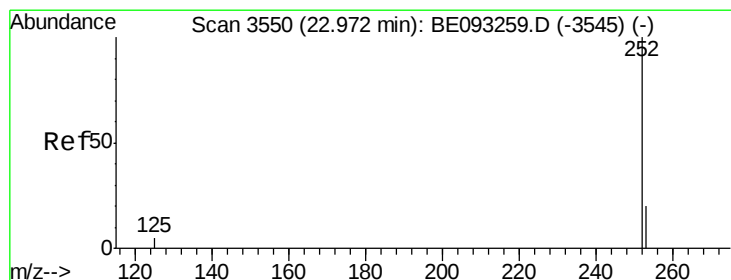
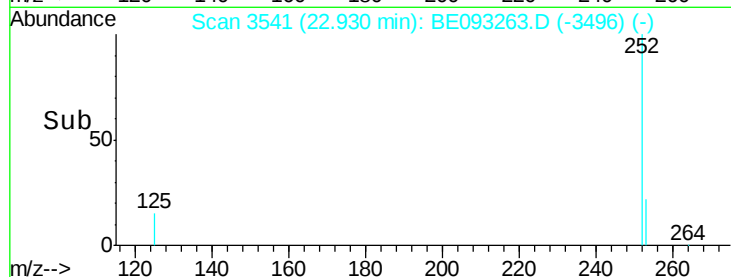
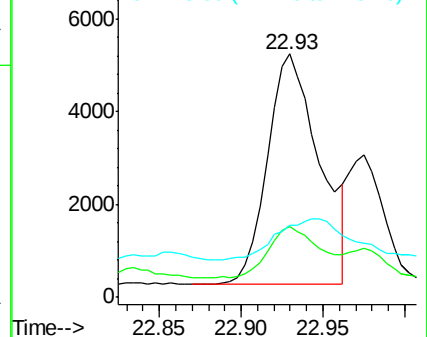
125 29.7 0.0 35.0



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: 0.086 ng/ul m

RT: 22.98 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

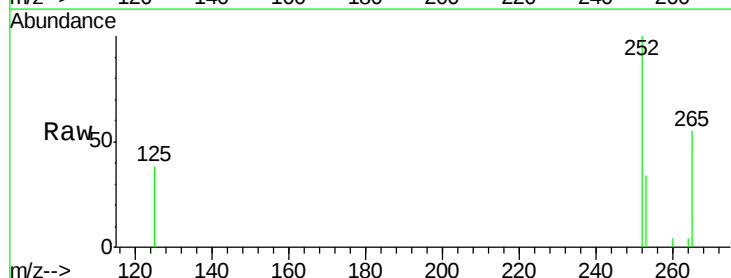
Tgt Ion:252 Resp: 4761

Ion Ratio Lower Upper

252 100

253 34.3 24.5 36.7

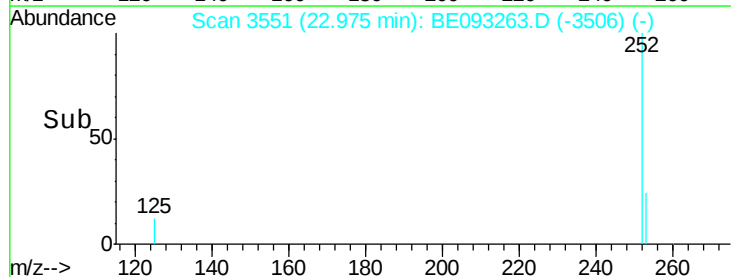
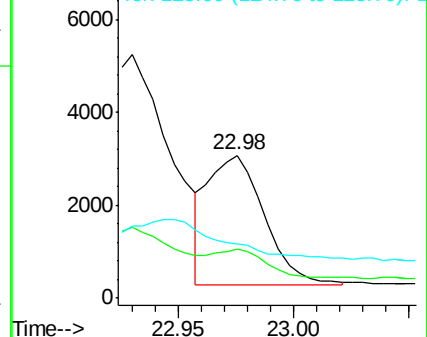
125 38.1 13.7 20.5#

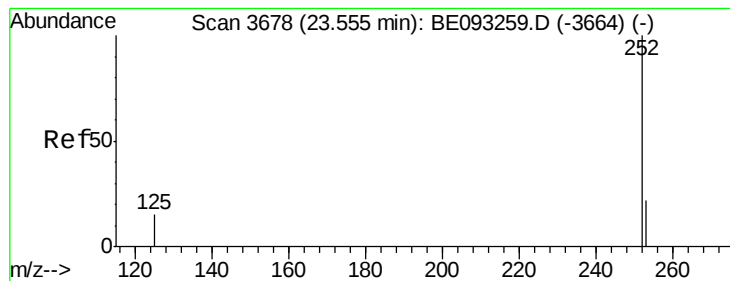


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.121 ng/ul m

RT: 23.56 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

Instrument :

BNA_E

ClientSampleId :

F5A16

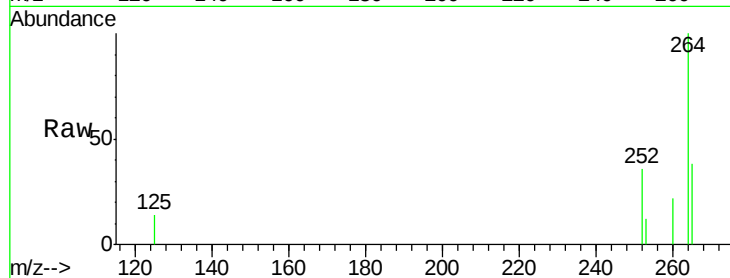
Tgt Ion:252 Resp: 5961

Ion Ratio Lower Upper

252 100

253 33.8 28.5 42.7

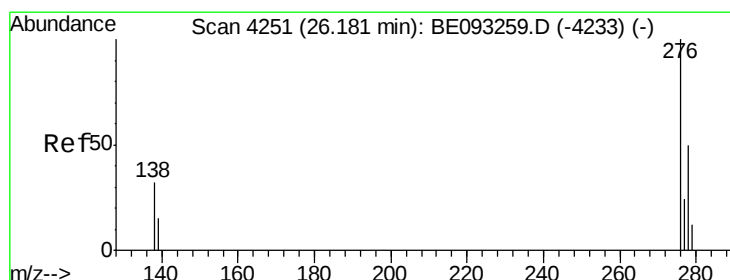
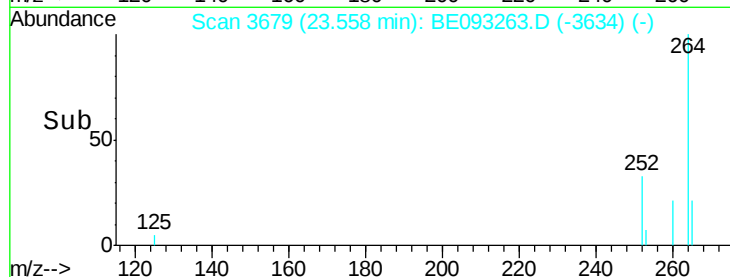
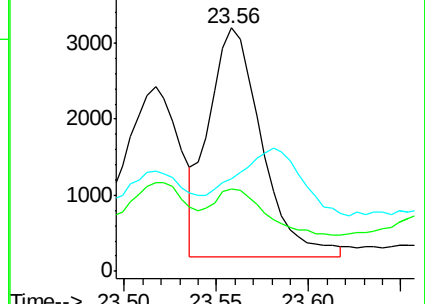
125 38.1 18.1 27.1#



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: 0.086 ng/ul m

RT: 26.18 min Scan# 4251

Delta R.T. 0.00 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

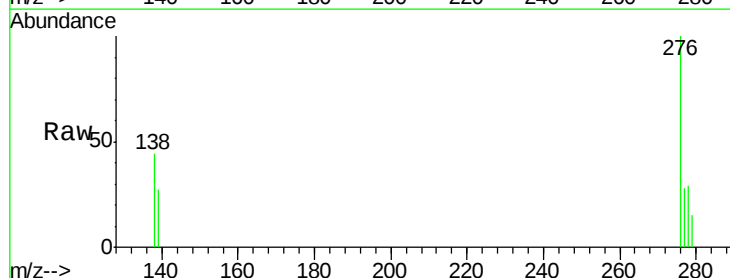
Tgt Ion:276 Resp: 4894

Ion Ratio Lower Upper

276 100

138 1.6 28.0 42.0#

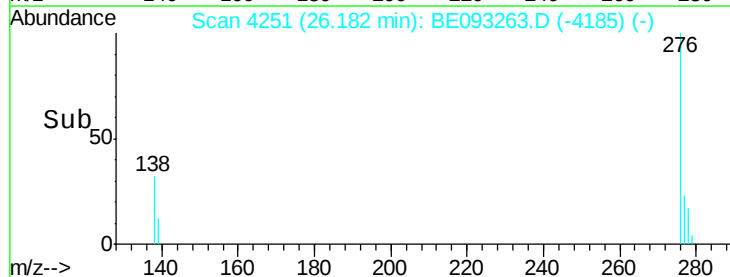
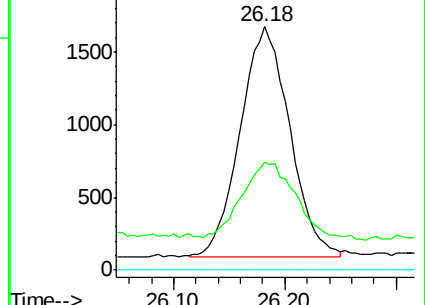
227 0.0 8.0 12.0#

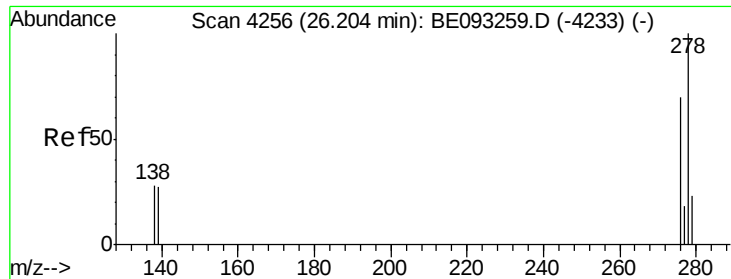


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.040 ng/ul m

RT: 26.20 min Scan# 4256

Delta R.T. 0.00 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

Instrument :

BNA_E

ClientSampleId :

F5A16

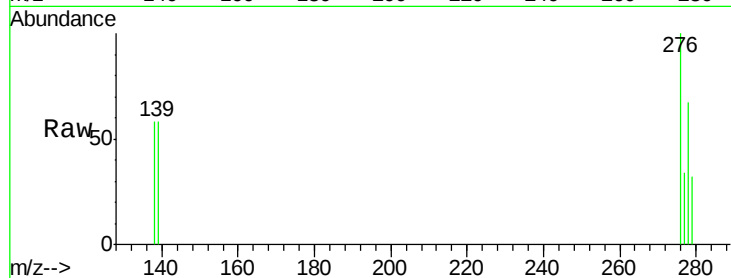
Tgt Ion:278 Resp: 1943

Ion Ratio Lower Upper

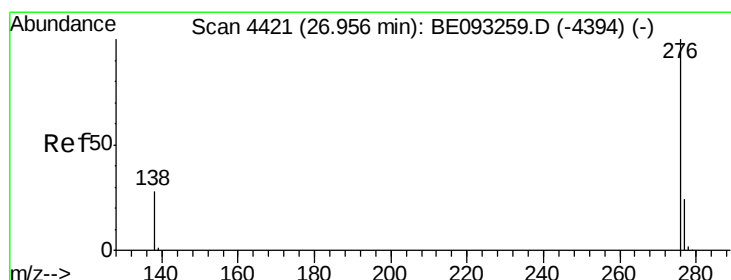
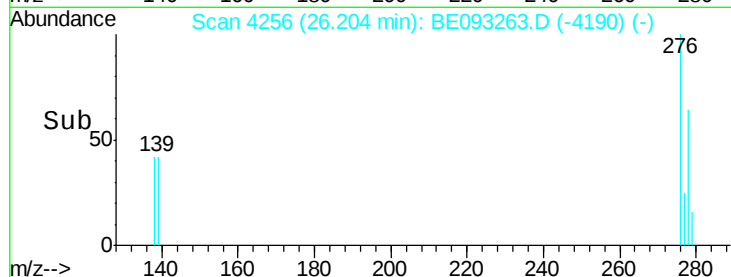
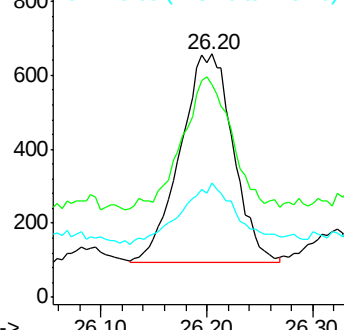
278 100

139 87.2 17.4 26.0#

279 47.1 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: 0.086 ng/ul

RT: 26.96 min Scan# 4421

Delta R.T. 0.00 min

Lab File: BE093263.D

Acq: 19 Jun 2017 22:50

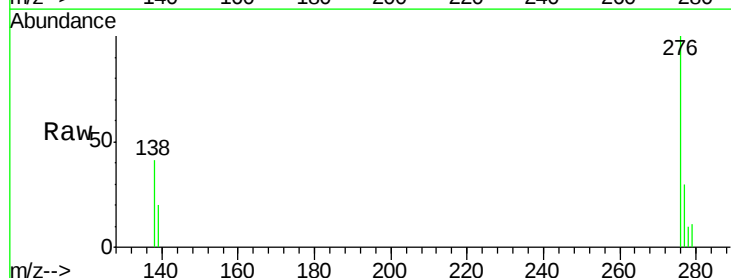
Tgt Ion:276 Resp: 4232

Ion Ratio Lower Upper

276 100

138 40.6 21.8 32.8#

277 30.1 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

