

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061917\
 Data File : BE093269.D
 Acq On : 20 Jun 2017 2:34
 Operator : SJ/MA
 Sample : I3599-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5A81

Quant Time: Jun 20 09:30:01 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	2507	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	12971	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	8050	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	19647	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	21547	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	21694	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	3208	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	9023	0.17	ng/ul	0.00

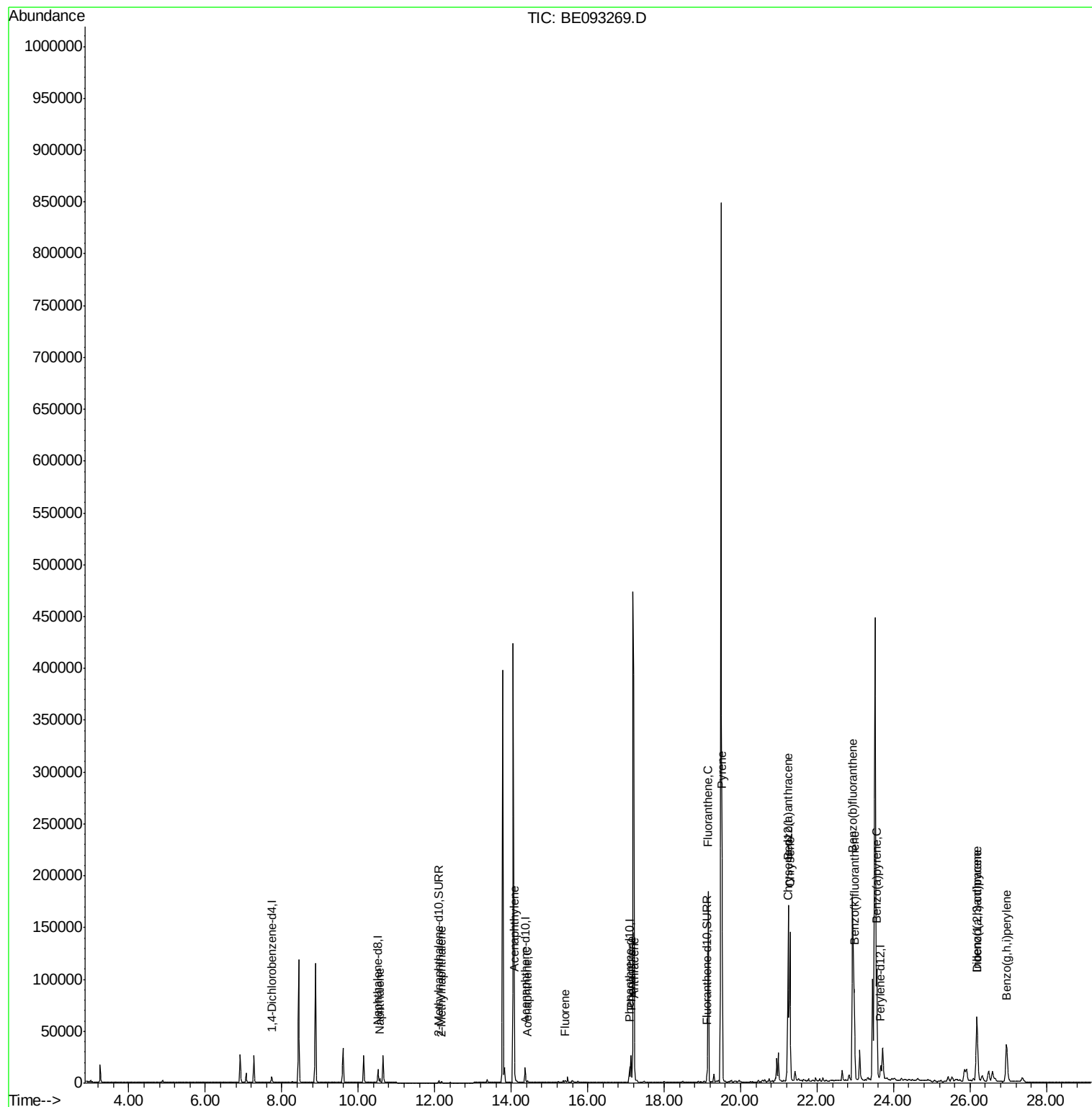
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	5206	0.162	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	1227	0.056	ng/ul	98
7) Acenaphthylene	14.08	152	28309	0.819	ng/ul	96
8) Acenaphthene	14.42	153	1228	0.044	ng/ul	92
9) Fluorene	15.42	166	1210	0.037	ng/ul#	92
12) Phenanthrene	17.13	178	27094	0.501	ng/ul#	89
13) Anthracene	17.22	178	33031	0.702	ng/ul#	88
15) Fluoranthene	19.15	202	192798	2.908	ng/ul	84
17) Pyrene	19.51	202	229397	3.610	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	147529	2.567	ng/ul#	84
19) Chrysene	21.29	228	162018	2.717	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	304755m	4.629	ng/ul	
22) Benzo(k)fluoranthene	22.97	252	101101m	1.446	ng/ul	
23) Benzo(a)pyrene	23.56	252	145699	2.341	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.18	276	103290	1.433	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.19	278	28395m	0.468	ng/ul	
26) Benzo(g,h,i)perylene	26.96	276	79774	1.291	ng/ul	97

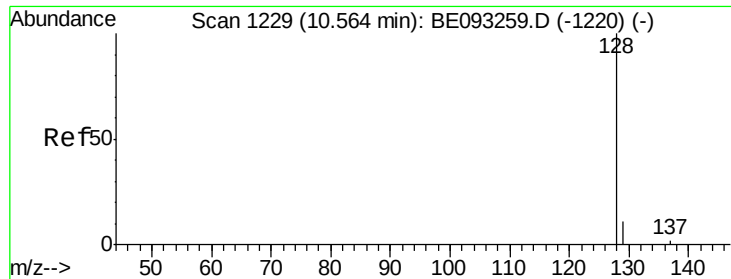
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.162 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093269.D

Acq: 20 Jun 2017 2:34

Instrument :

BNA_E

ClientSampleId :

F5A81

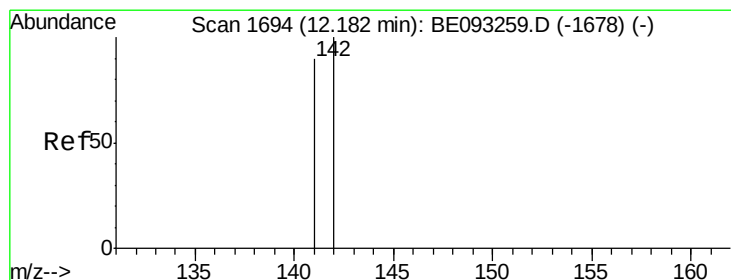
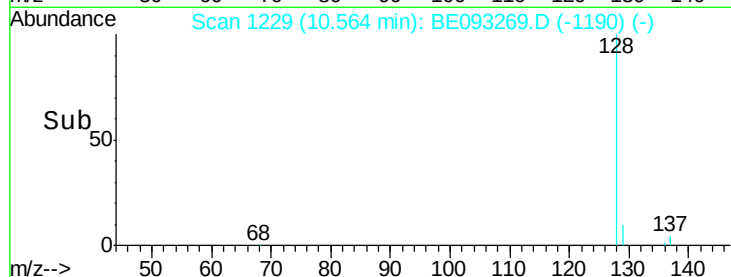
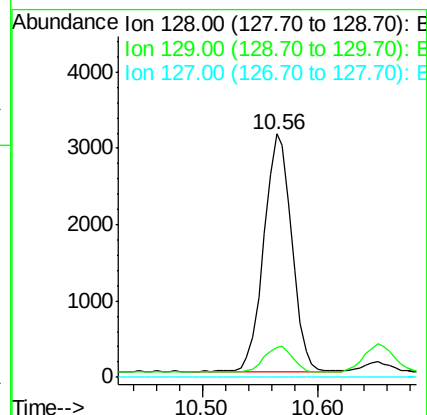
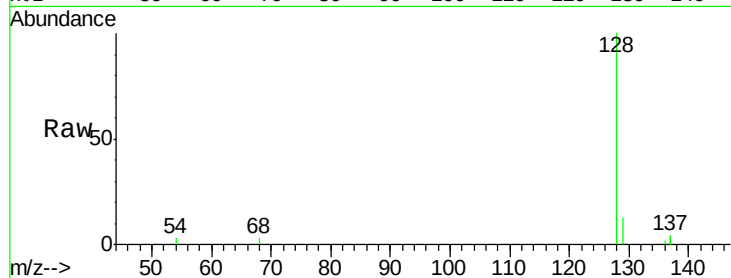
Tgt Ion:128 Resp: 5206

Ion Ratio Lower Upper

128 100

129 12.5 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.056 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BE093269.D

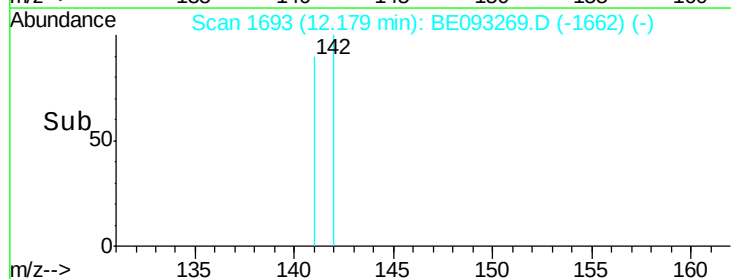
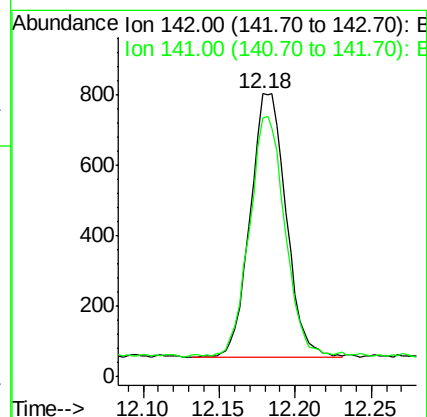
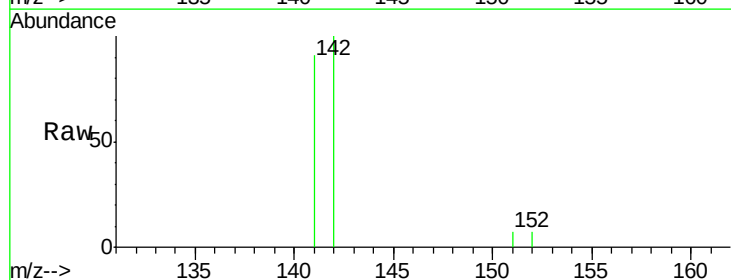
Acq: 20 Jun 2017 2:34

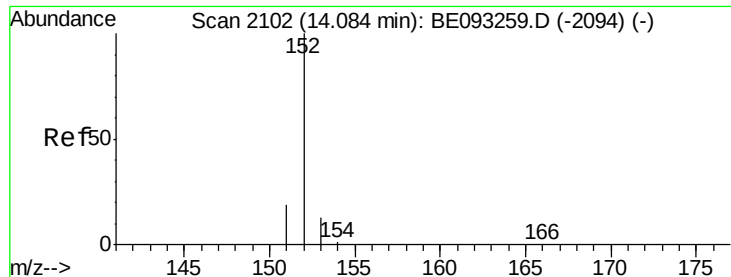
Tgt Ion:142 Resp: 1227

Ion Ratio Lower Upper

142 100

141 89.1 72.6 108.8





#7

Acenaphthylene

Concen: 0.819 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093269.D

Acq: 20 Jun 2017 2:34

Instrument :

BNA_E

ClientSampleId :

F5A81

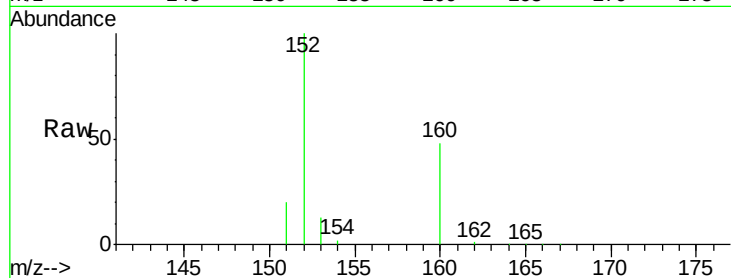
Tgt Ion:152 Resp: 28309

Ion Ratio Lower Upper

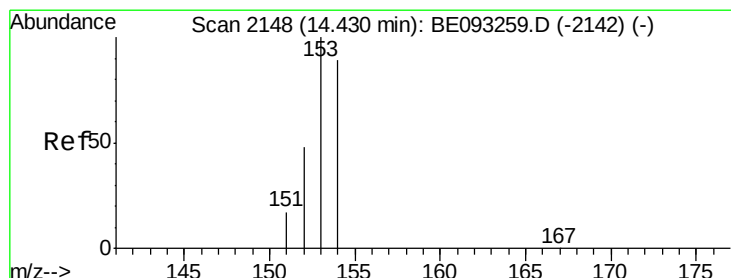
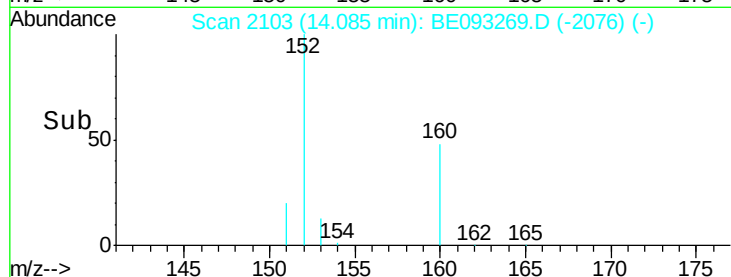
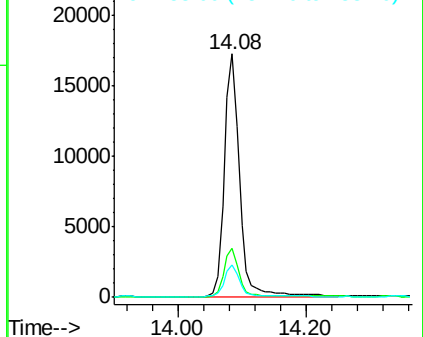
152 100

151 19.9 17.1 25.7

153 13.4 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: 0.044 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BE093269.D

Acq: 20 Jun 2017 2:34

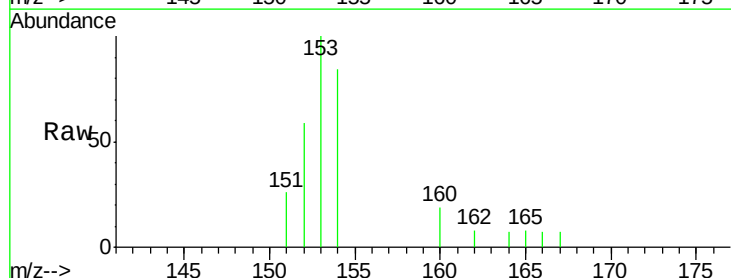
Tgt Ion:153 Resp: 1228

Ion Ratio Lower Upper

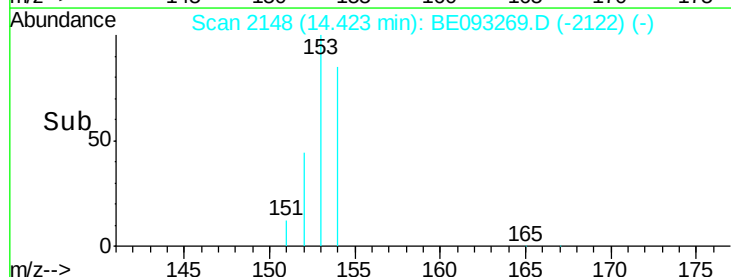
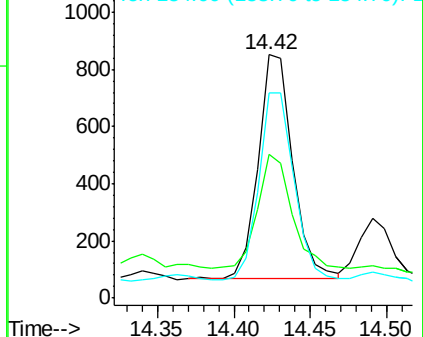
153 100

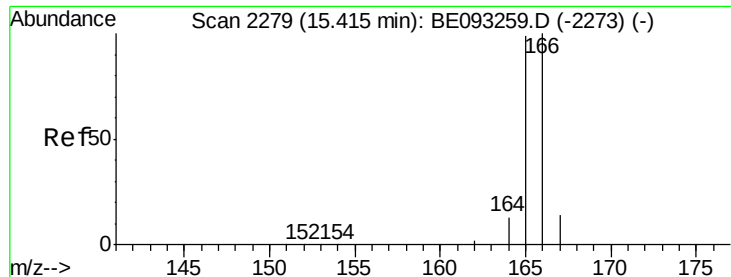
152 59.2 40.3 60.5

154 84.0 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

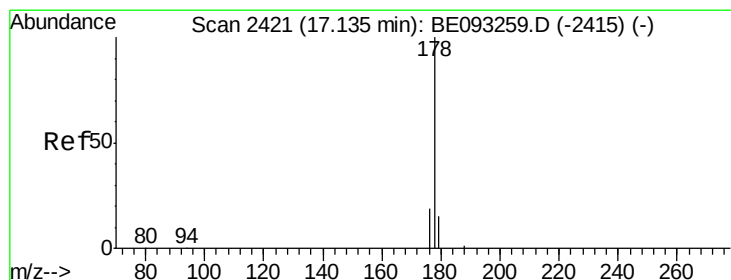
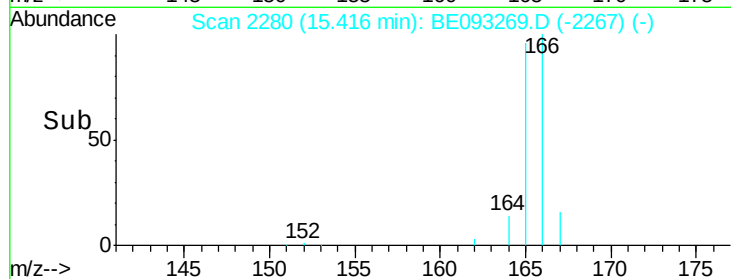
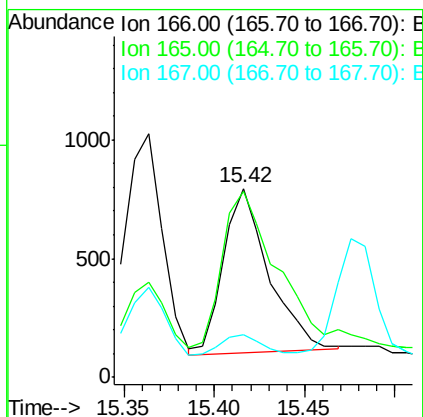
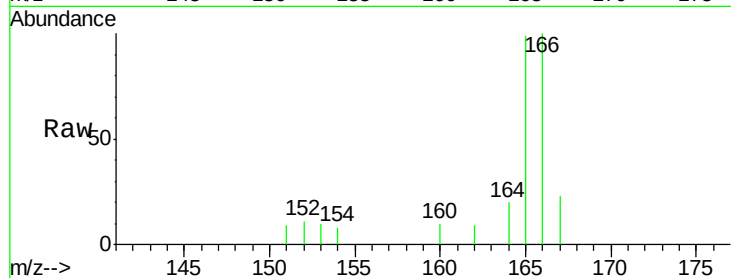




#9
Fluorene
 Concen: 0.037 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BE093269.D
 Acq: 20 Jun 2017 2:34

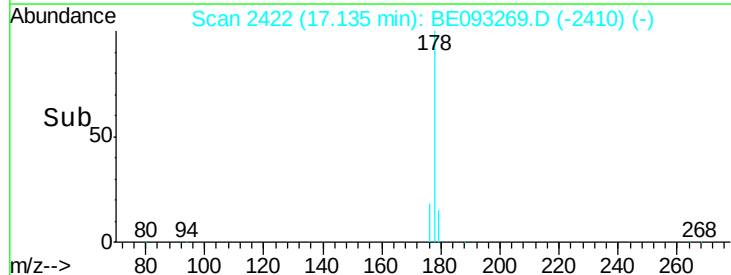
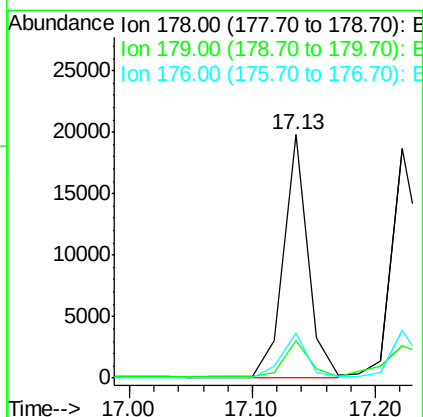
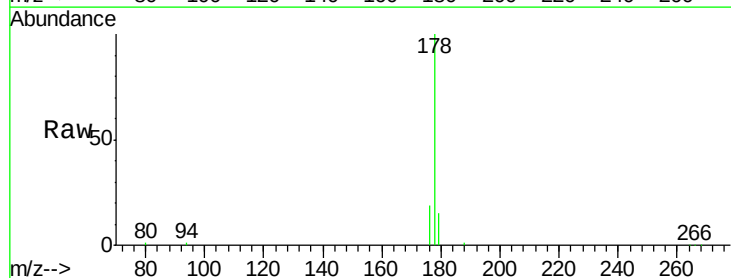
Instrument :
 BNA_E
 ClientSampleId :
 F5A81

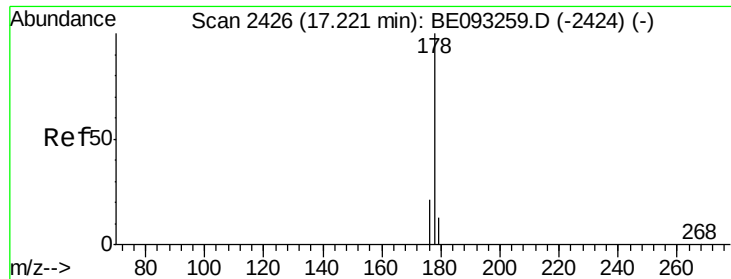
Tgt Ion:166 Resp: 1210
 Ion Ratio Lower Upper
 166 100
 165 98.6 73.4 110.2
 167 22.8 14.6 22.0#



#12
Phenanthrene
 Concen: 0.501 ng/ul
 RT: 17.13 min Scan# 2422
 Delta R.T. 0.00 min
 Lab File: BE093269.D
 Acq: 20 Jun 2017 2:34

Tgt Ion:178 Resp: 27094
 Ion Ratio Lower Upper
 178 100
 179 15.3 18.4 27.6#
 176 18.7 13.6 20.4





#13

Anthracene

Concen: 0.702 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093269.D

Acq: 20 Jun 2017 2:34

Instrument :

BNA_E

ClientSampleId :

F5A81

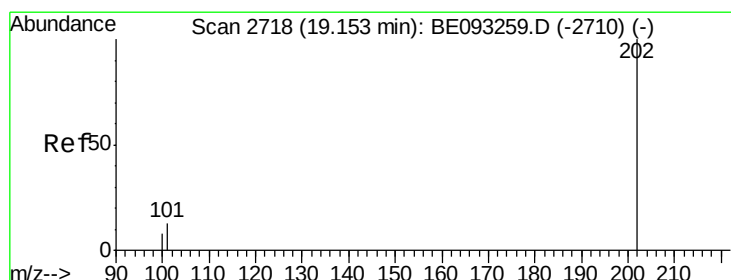
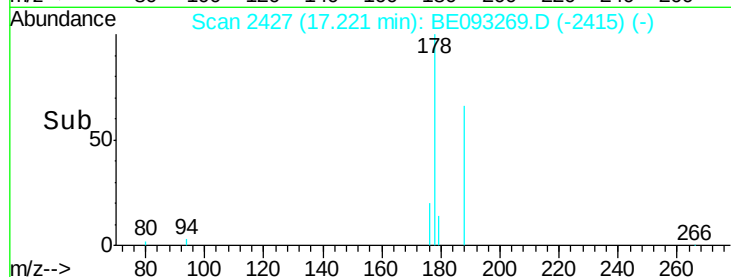
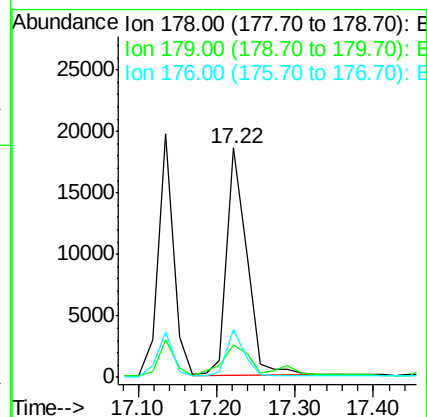
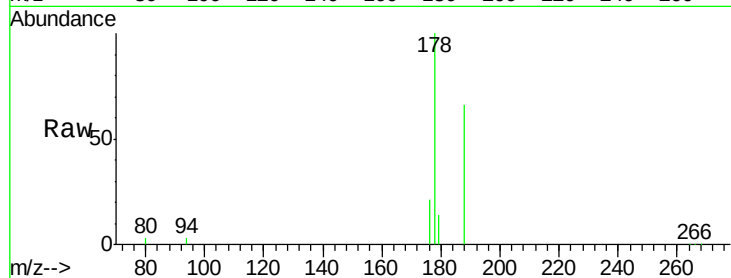
Tgt Ion:178 Resp: 33031

Ion Ratio Lower Upper

178 100

179 14.4 18.1 27.1#

176 20.8 14.7 22.1



#15

Fluoranthene

Concen: 2.908 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BE093269.D

Acq: 20 Jun 2017 2:34

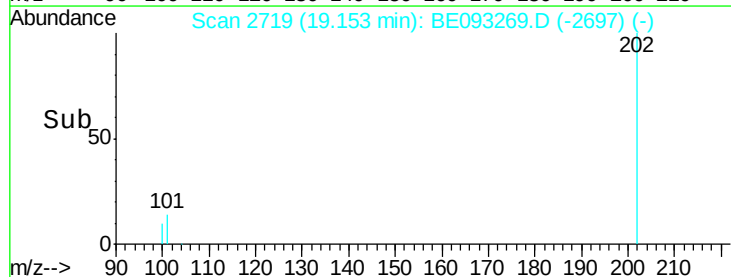
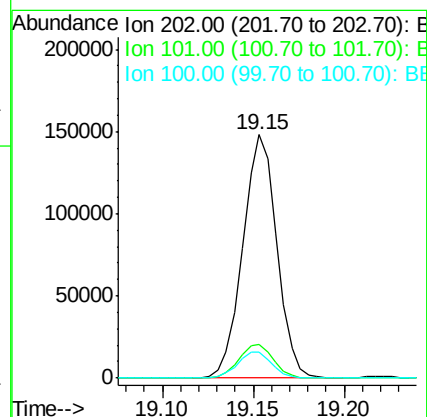
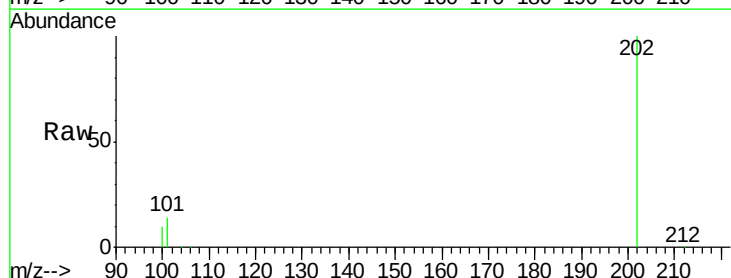
Tgt Ion:202 Resp: 192798

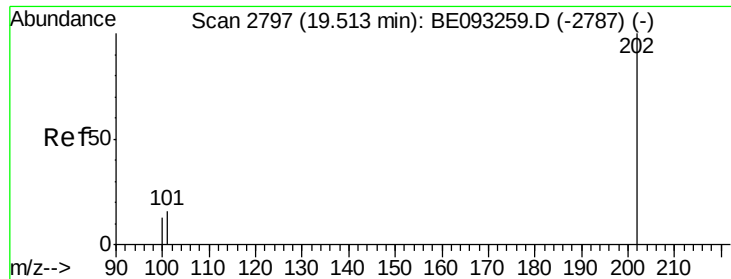
Ion Ratio Lower Upper

202 100

101 13.9 0.0 30.3

100 10.4 0.0 39.5

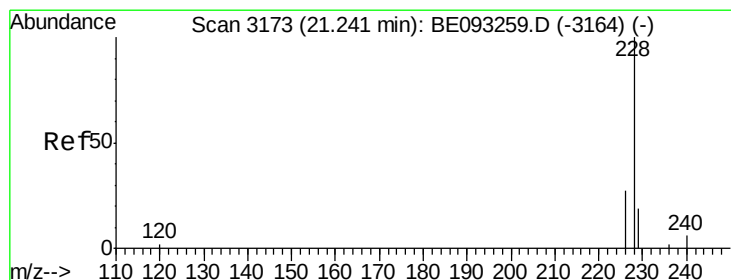
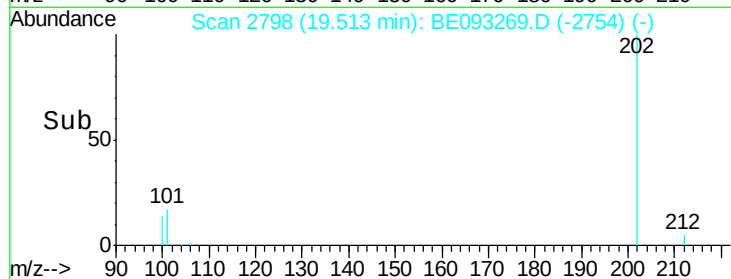
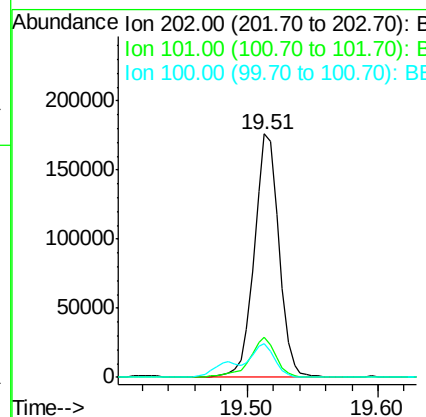
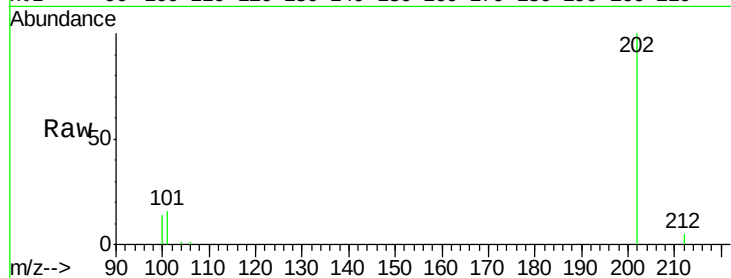




#17
 Pyrene
 Concen: 3.610 ng/ul
 RT: 19.51 min Scan# 2798
 Delta R.T. -0.00 min
 Lab File: BE093269.D
 Acq: 20 Jun 2017 2:34

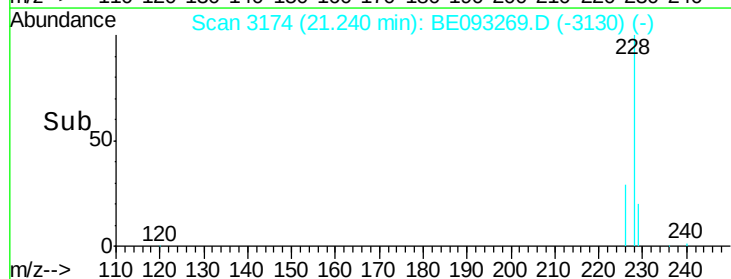
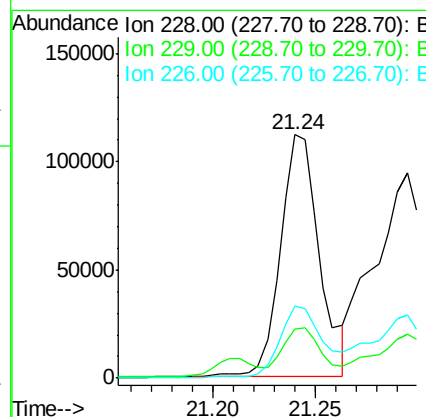
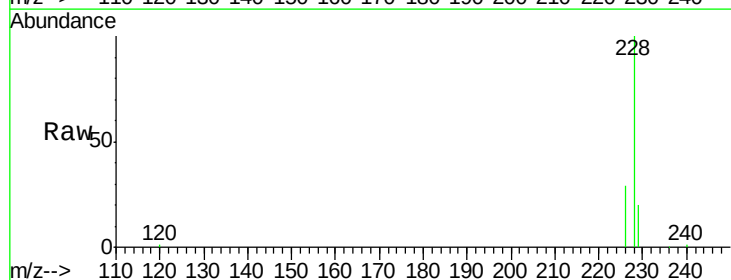
Instrument :
 BNA_E
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 F5A81

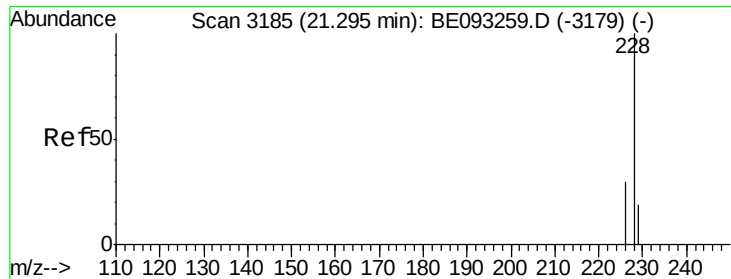
Tgt Ion: 202 Resp: 229397
 Ion Ratio Lower Upper
 202 100
 101 16.5 18.2 27.4#
 100 13.7 15.6 23.4#



#18
 Benzo(a)anthracene
 Concen: 2.567 ng/ul
 RT: 21.24 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: BE093269.D
 Acq: 20 Jun 2017 2:34

Tgt Ion: 228 Resp: 147529
 Ion Ratio Lower Upper
 228 100
 229 20.4 22.8 34.2#
 226 29.4 17.0 25.6#





#19

Chrysene

Concen: 2.717 ng/ul

RT: 21.29 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093269.D

Acq: 20 Jun 2017 2:34

Instrument :

BNA_E

ClientSampled :

F5A81

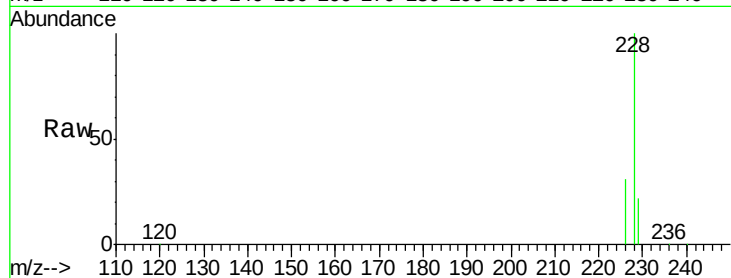
Tgt Ion:228 Resp: 162018

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

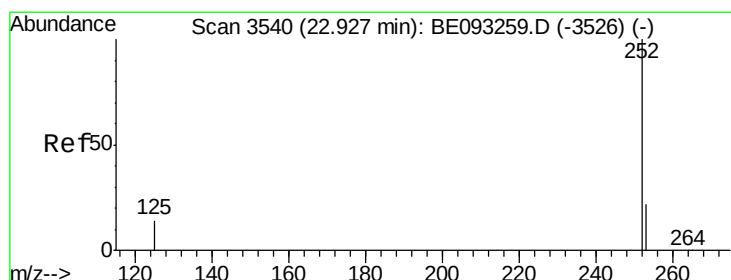
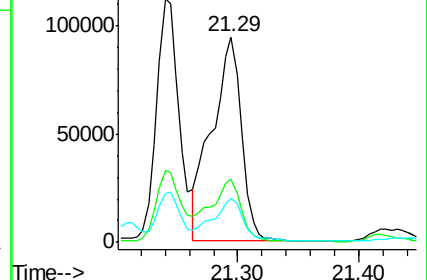
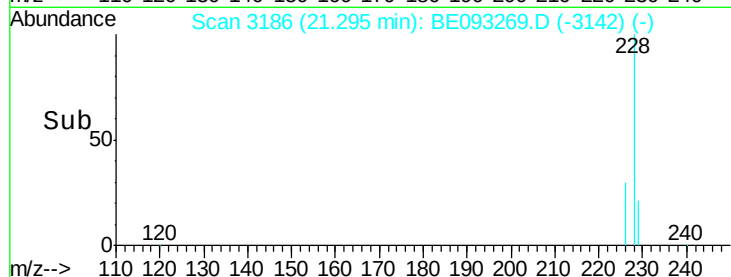
229 21.7 17.7 26.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 4.629 ng/ul m

RT: 22.93 min Scan# 3542

Delta R.T. 0.00 min

Lab File: BE093269.D

Acq: 20 Jun 2017 2:34

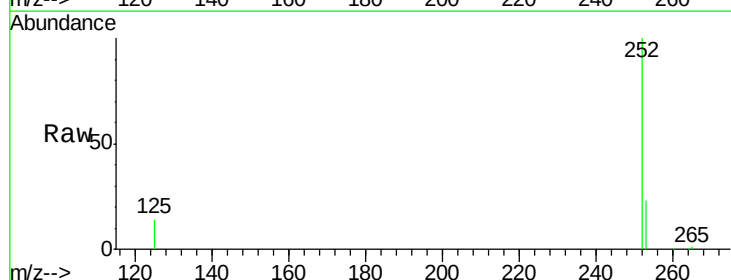
Tgt Ion:252 Resp: 304755

Ion Ratio Lower Upper

252 100

253 22.5 0.0 64.2

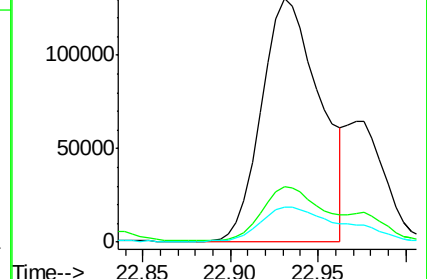
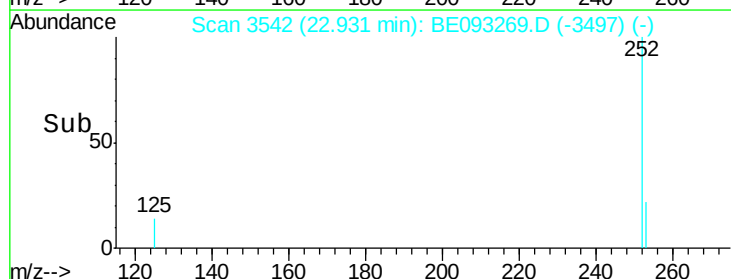
125 14.3 0.0 35.0

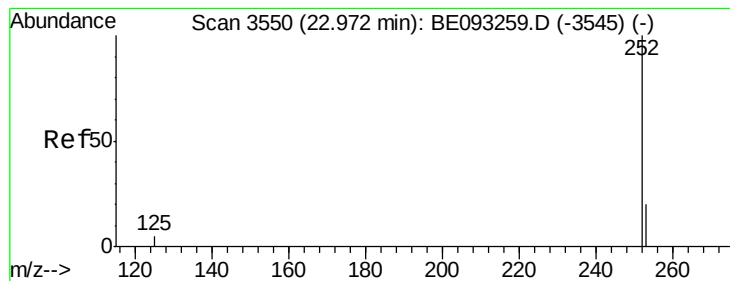


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.446 ng/ul m

RT: 22.97 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BE093269.D

Acq: 20 Jun 2017 2:34

Instrument :

BNA_E

ClientSampleId :

F5A81

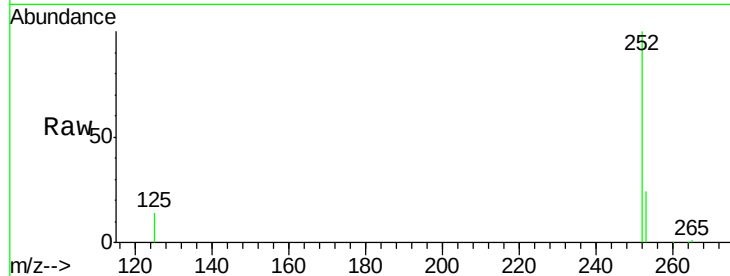
Tgt Ion:252 Resp: 101101

Ion Ratio Lower Upper

252 100

253 23.8 24.5 36.7#

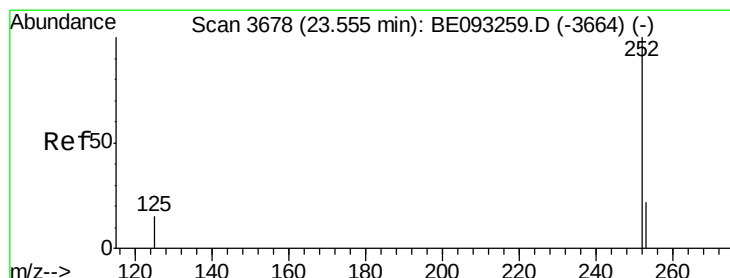
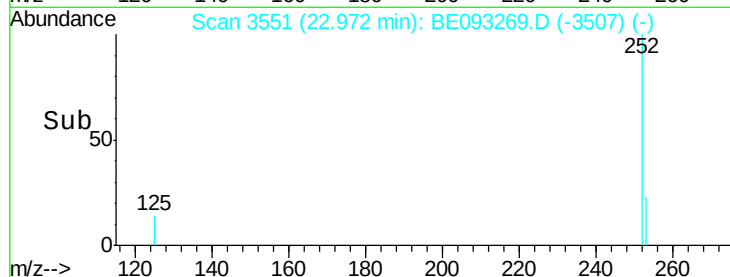
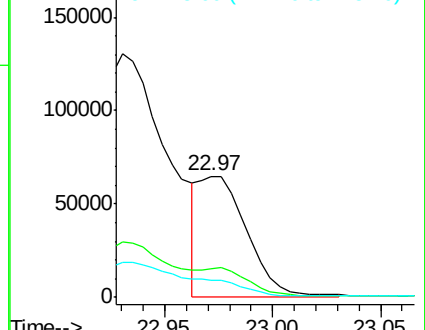
125 14.4 13.7 20.5



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: 2.341 ng/ul

RT: 23.56 min Scan# 3680

Delta R.T. 0.00 min

Lab File: BE093269.D

Acq: 20 Jun 2017 2:34

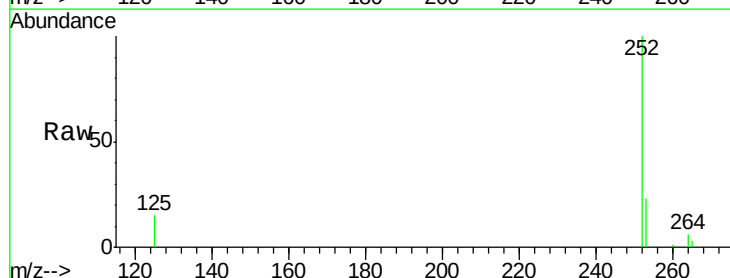
Tgt Ion:252 Resp: 145699

Ion Ratio Lower Upper

252 100

253 23.1 28.5 42.7#

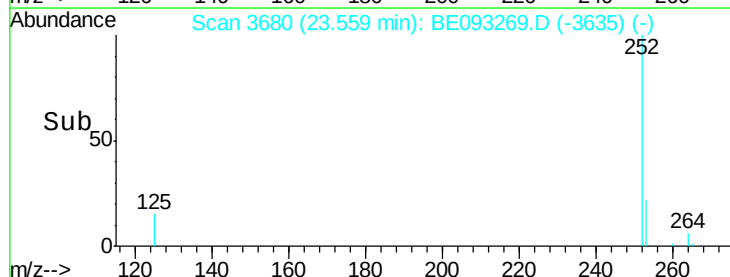
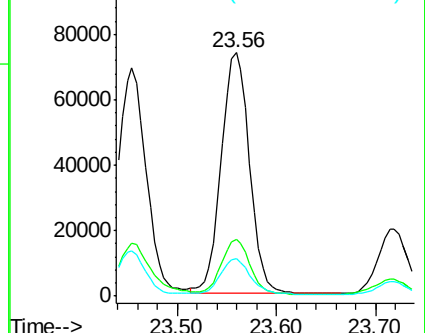
125 15.4 18.1 27.1#

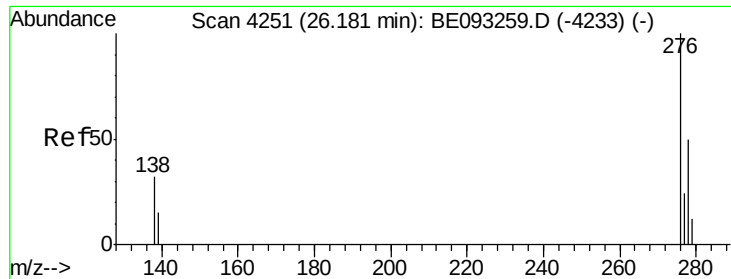


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



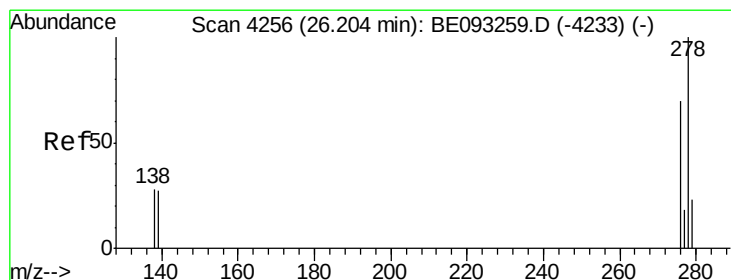
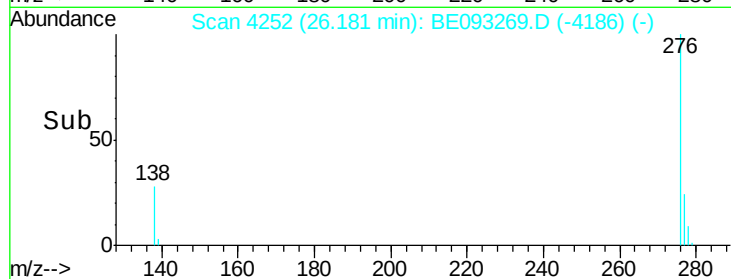
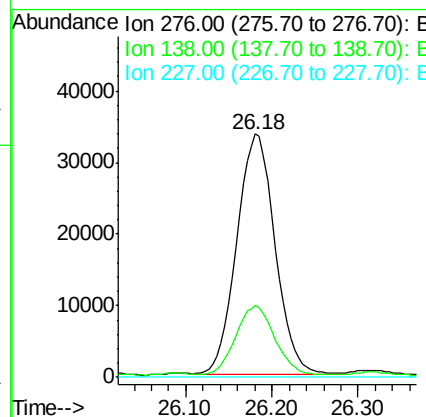
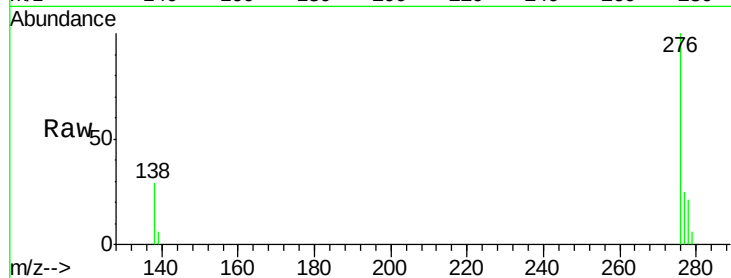


#24

Indeno(1,2,3-cd)pyrene
Concen: 1.433 ng/ul
RT: 26.18 min Scan# 4252
Delta R.T. 0.00 min
Lab File: BE093269.D
Acq: 20 Jun 2017 2:34

Instrument :
BNA_E
ClientSampleId :
F5A81

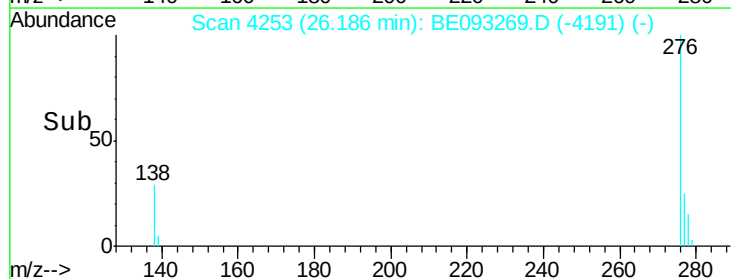
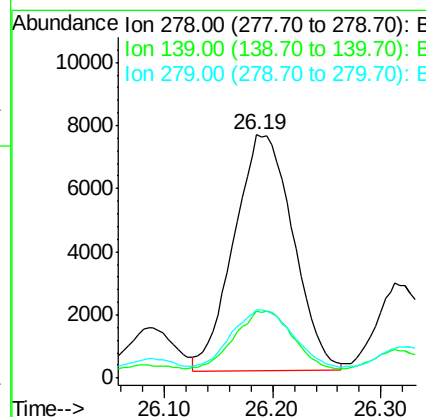
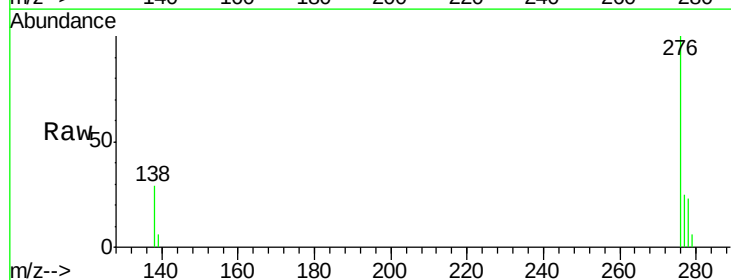
Tgt Ion: 276 Resp: 103290
Ion Ratio Lower Upper
276 100
138 29.5 28.0 42.0
227 0.0 8.0 12.0#

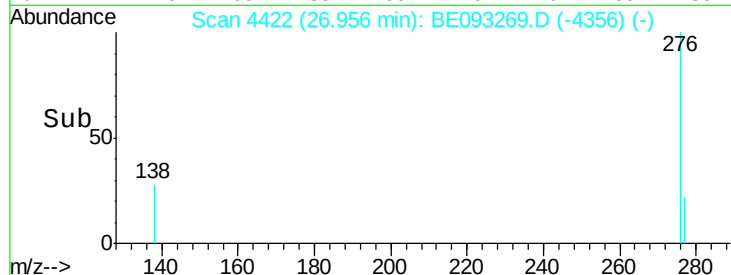
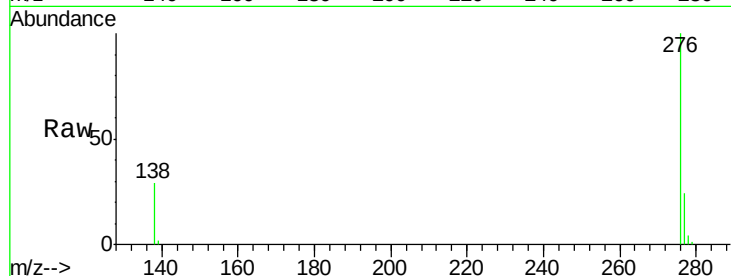
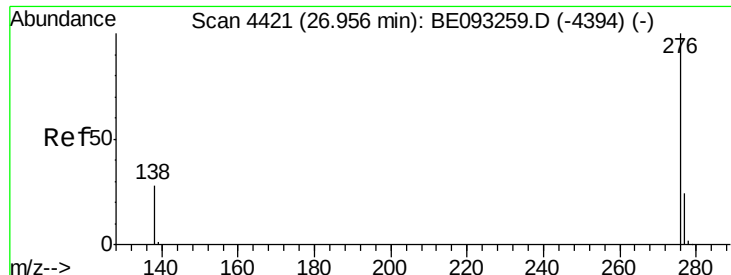


#25

Dibenzo(a,h)anthracene
Concen: 0.468 ng/ul m
RT: 26.19 min Scan# 4253
Delta R.T. -0.02 min
Lab File: BE093269.D
Acq: 20 Jun 2017 2:34

Tgt Ion: 278 Resp: 28395
Ion Ratio Lower Upper
278 100
139 27.4 17.4 26.0#
279 27.9 25.9 38.9





#26

Benzo(g,h,i)perylene

Concen: 1.291 ng/ul

RT: 26.96 min Scan# 4422

Delta R.T. 0.00 min

Lab File: BE093269.D

Acq: 20 Jun 2017 2:34

Instrument :

BNA_E

ClientSampleId :

F5A81

Tgt Ion: 276 Resp: 79774

Ion Ratio Lower Upper

276 100

138 29.2 21.8 32.8

277 24.3 20.5 30.7

