

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061917\
 Data File : BE093262.D
 Acq On : 19 Jun 2017 22:14
 Operator : SJ/MA
 Sample : I3600-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 20 08:49:55 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	2763	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	14013	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	8460	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	20477	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	20460	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	20336	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	2974	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	9031	0.16	ng/ul	0.00

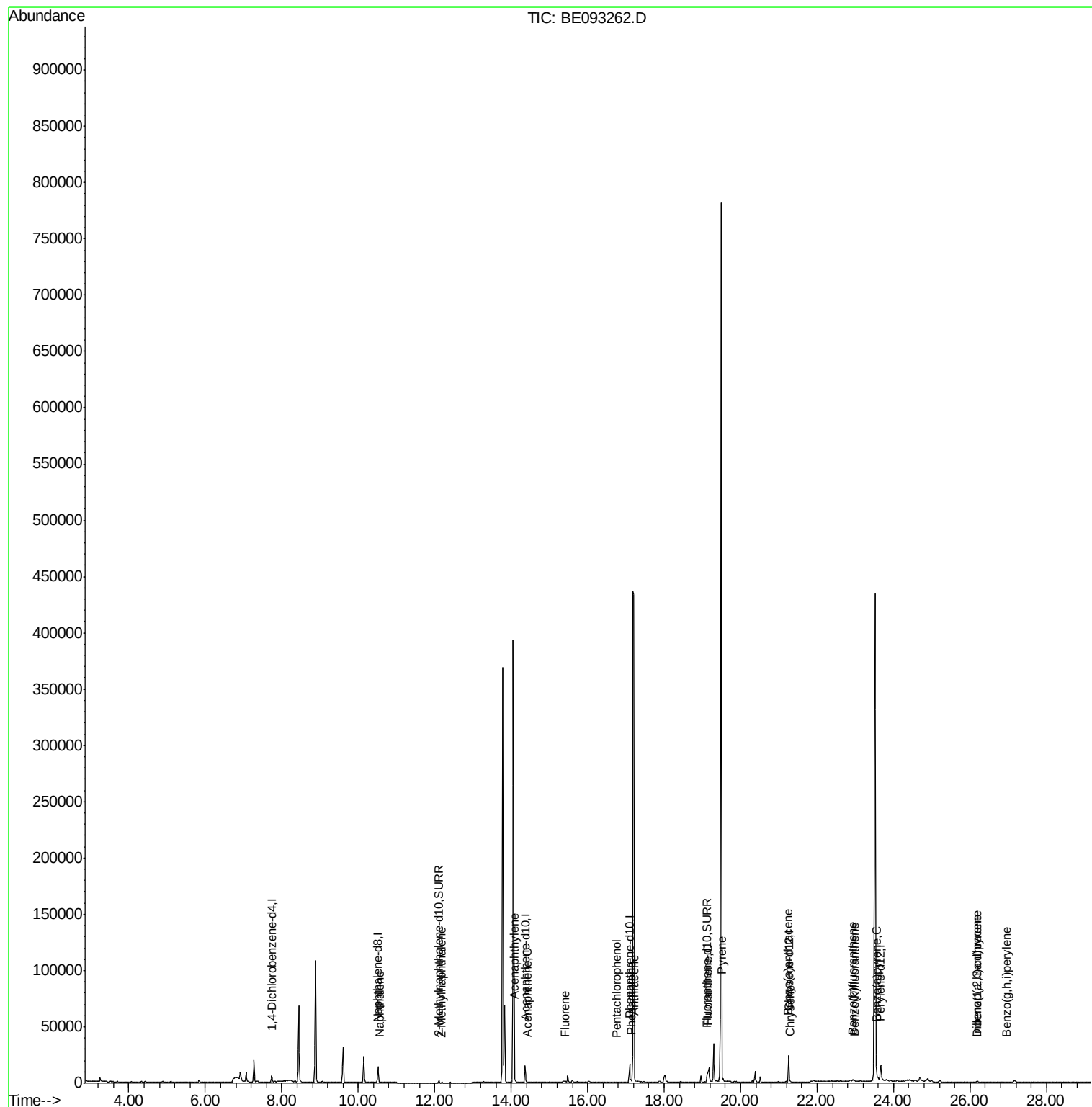
Target Compounds				Ovalue		
3) Naphthalene	10.56	128	935	0.03	ng/ul#	77
5) 2-Methylnaphthalene	12.18	142	489	0.02	ng/ul	98
7) Acenaphthylene	14.09	152	492	0.01	ng/ul#	65
8) Acenaphthene	14.42	153	356	0.01	ng/ul#	90
9) Fluorene	15.42	166	531	0.02	ng/ul#	86
11) Pentachlorophenol	16.75	266	54	0.02	ng/ul#	76
12) Phenanthrene	17.13	178	2401	0.04	ng/ul#	93
13) Anthracene	17.22	178	2649	0.05	ng/ul#	87
15) Fluoranthene	19.15	202	2113	0.03	ng/ul#	1
17) Pyrene	19.52	202	2170	0.04	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	1258	0.02	ng/ul#	81
19) Chrysene	21.29	228	1351	0.02	ng/ul#	79
21) Benzo(b)fluoranthene	22.93	252	1775	0.03	ng/ul#	43
22) Benzo(k)fluoranthene	22.98	252	996	0.02	ng/ul#	7
23) Benzo(a)pyrene	23.56	252	992	0.02	ng/ul#	24
24) Indeno(1,2,3-cd)pyrene	26.18	276	1081	0.02	ng/ul#	76
25) Dibenzo(a,h)anthracene	26.21	278	602	0.01	ng/ul#	1
26) Benzo(g,h,i)perylene	26.96	276	947	0.02	ng/ul#	33

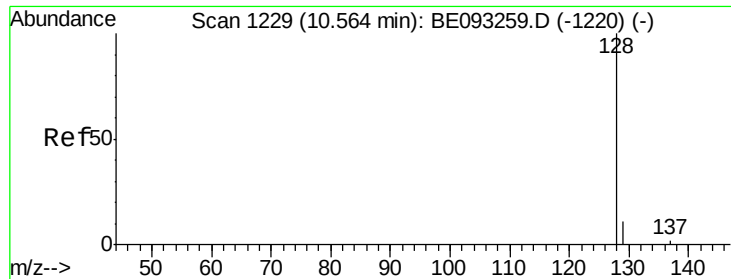
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.03 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093262.D

Acq: 19 Jun 2017 22:14

Instrument :

BNA_E

ClientSampleId :

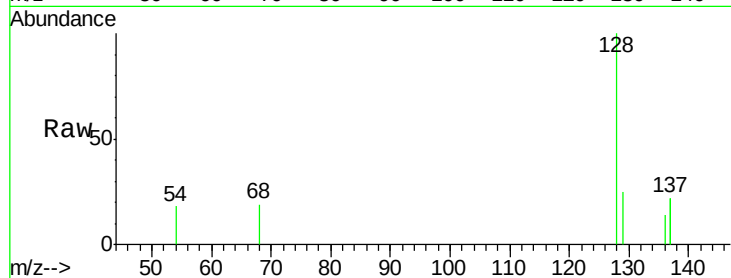
Tot Ion:128 Resp: 935

Ion Ratio Lower Upper

128 100

129 24.8 11.3 16.9#

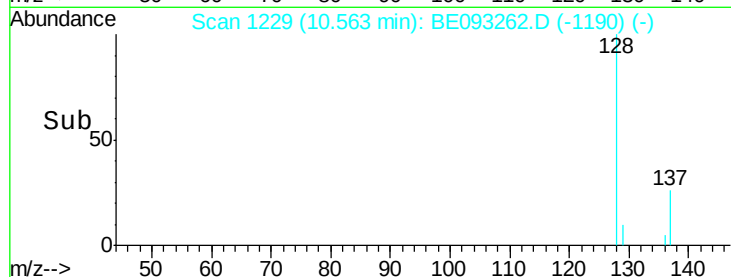
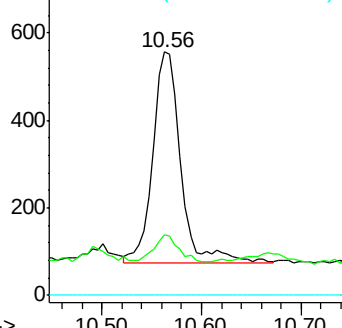
127 0.0 4.0 6.0#



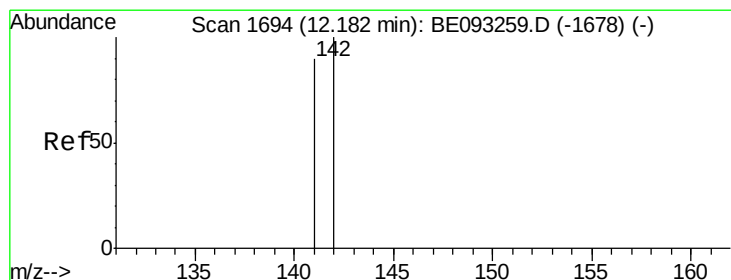
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.02 ng/ul

RT: 12.18 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BE093262.D

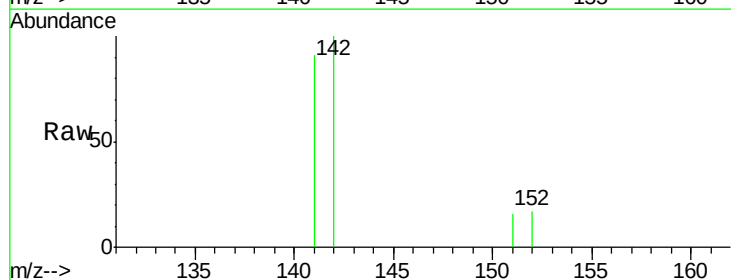
Acq: 19 Jun 2017 22:14

Tgt Ion:142 Resp: 489

Ion Ratio Lower Upper

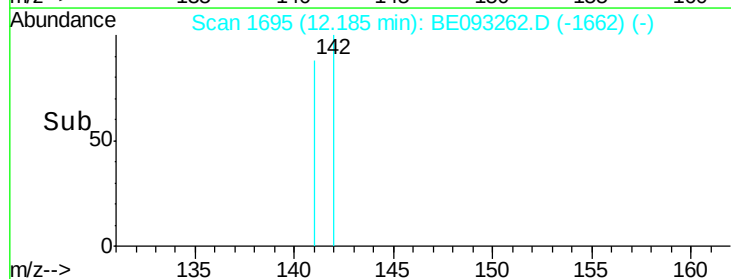
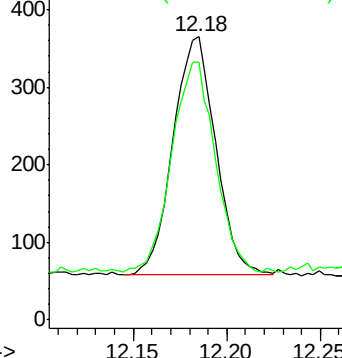
142 100

141 89.2 72.6 108.8

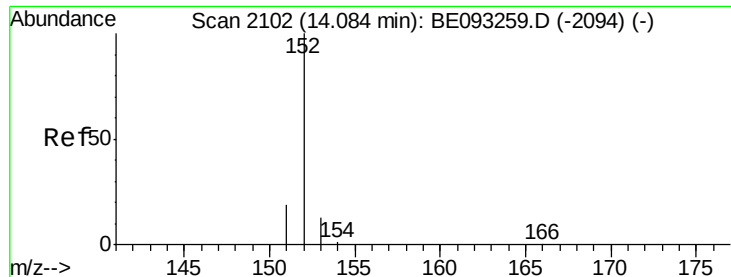


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#7

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093262.D

Acq: 19 Jun 2017 22:14

Instrument :

BNA_E

ClientSampleId :

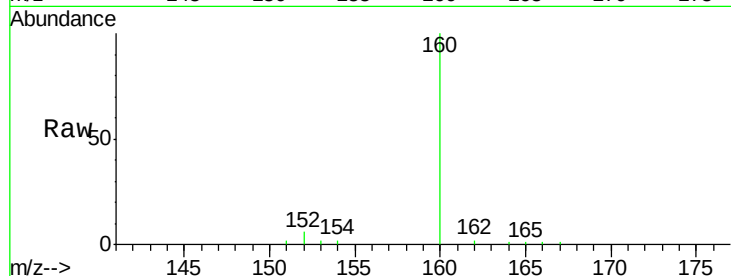
Tot Ion:152 Resp: 492

Ion Ratio Lower Upper

152 100

151 37.7 17.1 25.7#

153 31.6 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

14.09

400

300

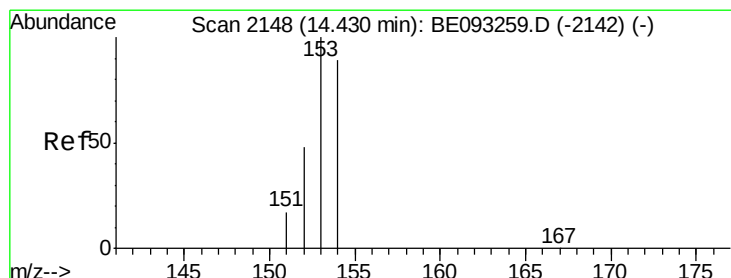
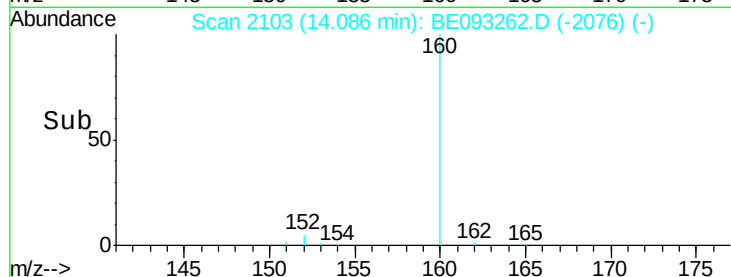
200

100

0

14.00 14.10 14.20

Time-->



#8

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BE093262.D

Acq: 19 Jun 2017 22:14

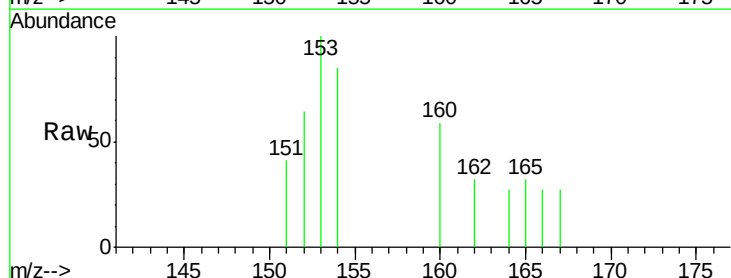
Tgt Ion:153 Resp: 356

Ion Ratio Lower Upper

153 100

152 63.7 40.3 60.5#

154 85.2 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

14.42

300

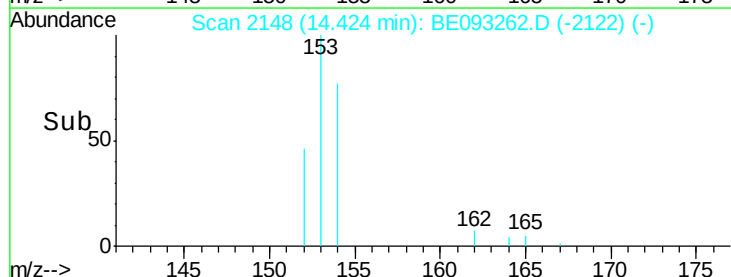
200

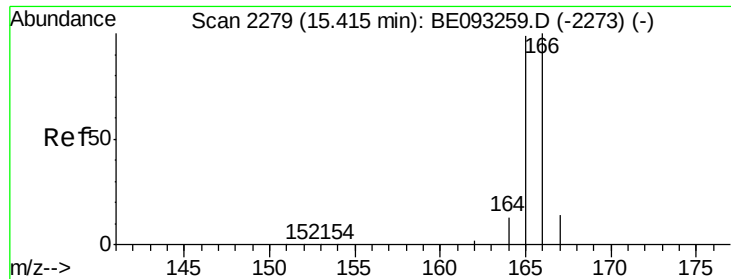
100

0

14.40 14.50

Time-->

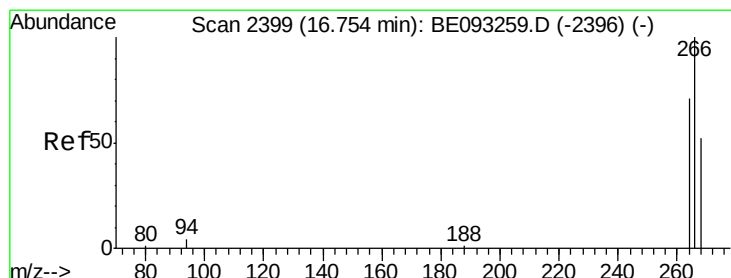
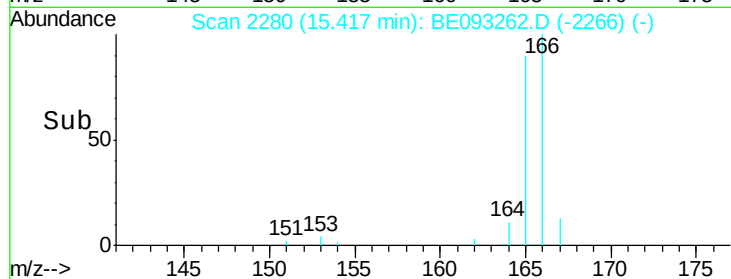
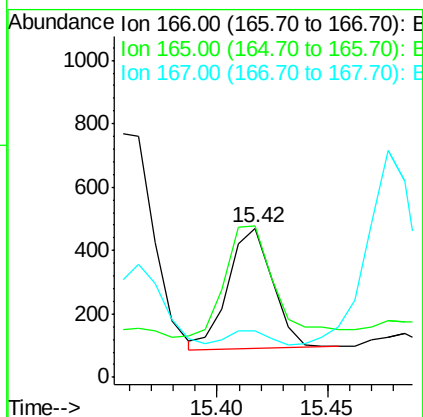
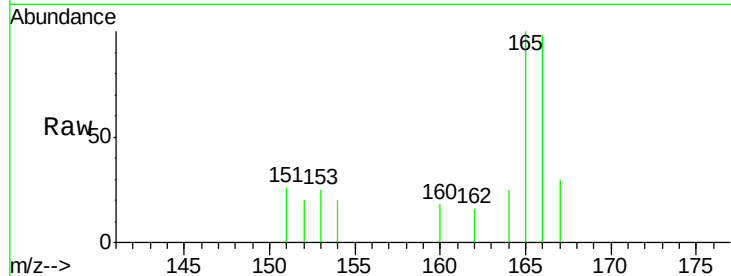




#9
Fluorene
 Concen: 0.02 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BE093262.D
 Acq: 19 Jun 2017 22:14

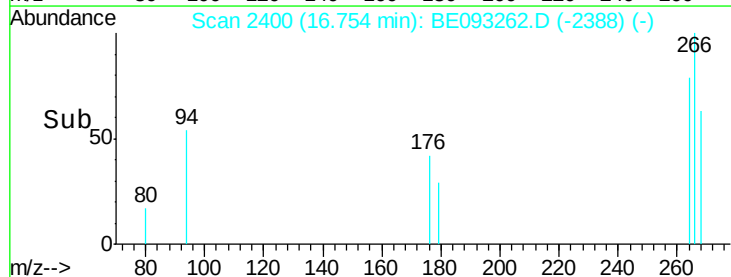
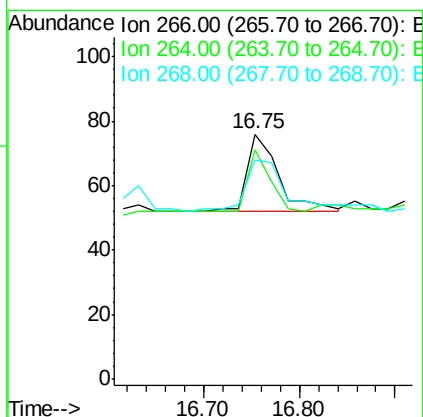
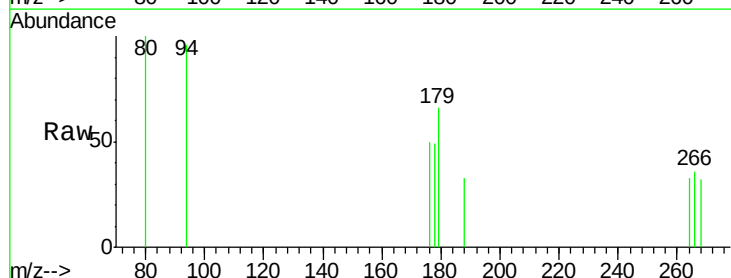
Instrument :
 BNA_E
 ClientSampleId :

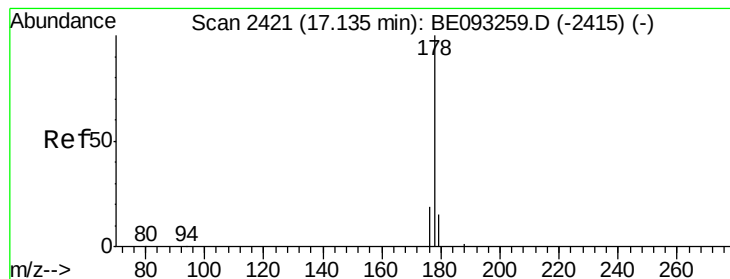
Tot Ion:166 Resp: 531
 Ion Ratio Lower Upper
 166 100
 165 101.9 73.4 110.2
 167 30.9 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 16.75 min Scan# 2400
 Delta R.T. -0.00 min
 Lab File: BE093262.D
 Acq: 19 Jun 2017 22:14

Tgt Ion:266 Resp: 54
 Ion Ratio Lower Upper
 266 100
 264 55.6 47.9 71.9
 268 94.4 49.8 74.8#





#12

Phenanthrene

Concen: 0.04 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093262.D

Acq: 19 Jun 2017 22:14

Instrument :

BNA_E

ClientSampleId :

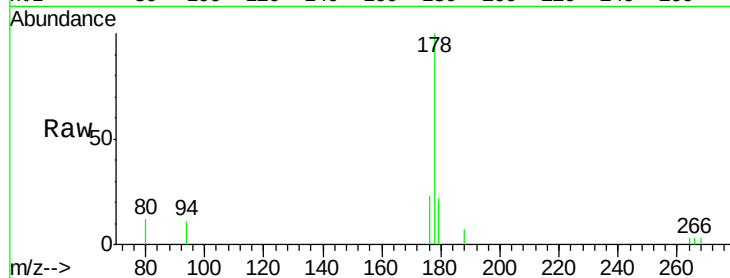
Tot Ion:178 Resp: 2401

Ion Ratio Lower Upper

178 100

179 22.0 18.4 27.6

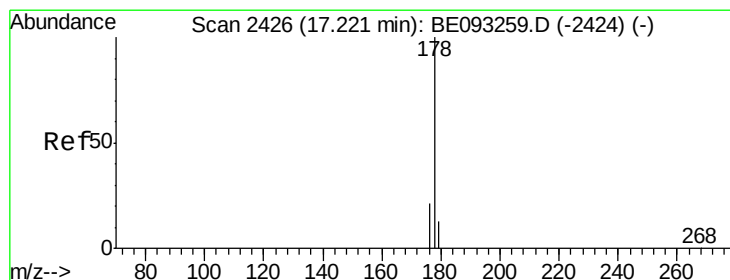
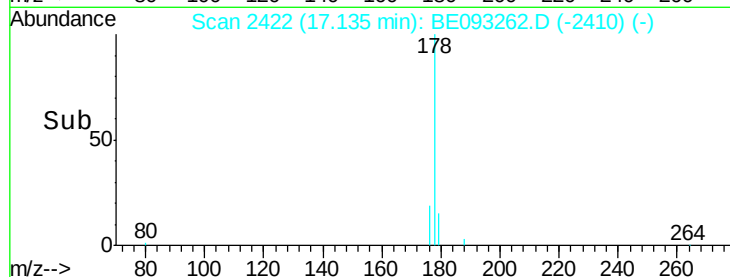
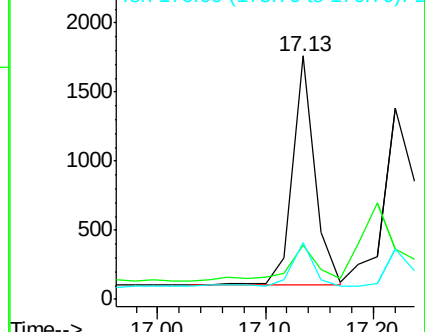
176 23.4 13.6 20.4#



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: 0.05 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093262.D

Acq: 19 Jun 2017 22:14

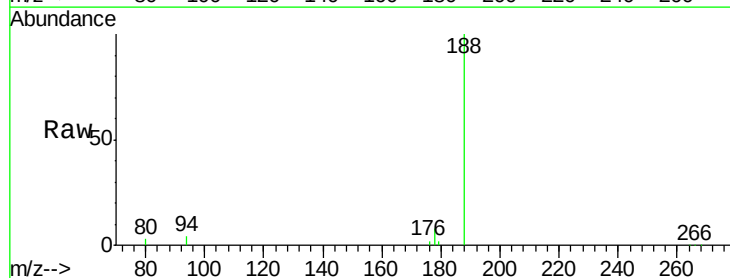
Tgt Ion:178 Resp: 2649

Ion Ratio Lower Upper

178 100

179 26.5 18.1 27.1

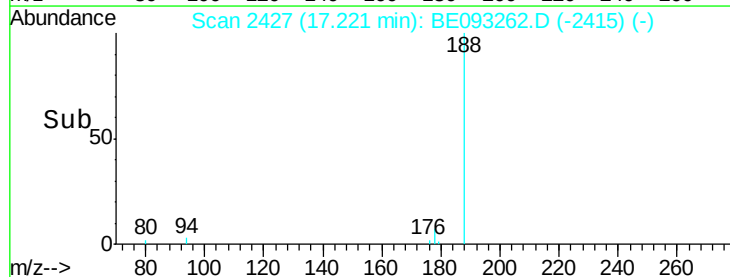
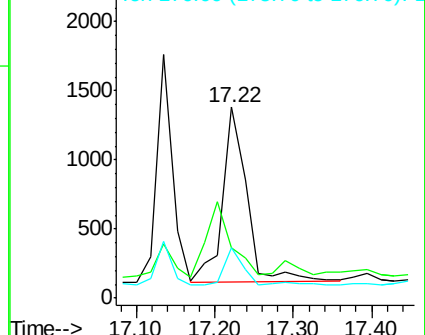
176 26.6 14.7 22.1#

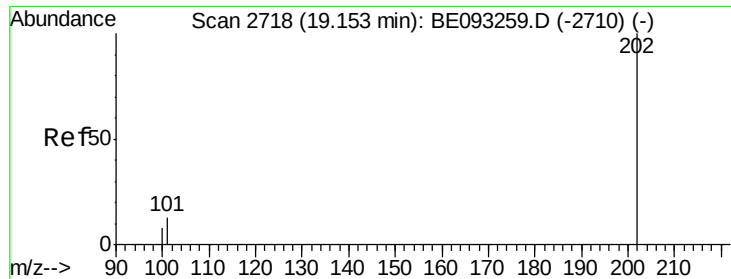


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

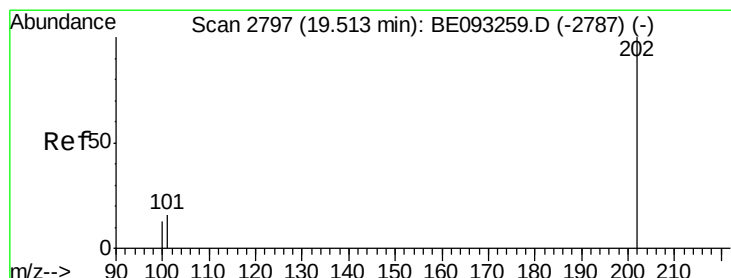
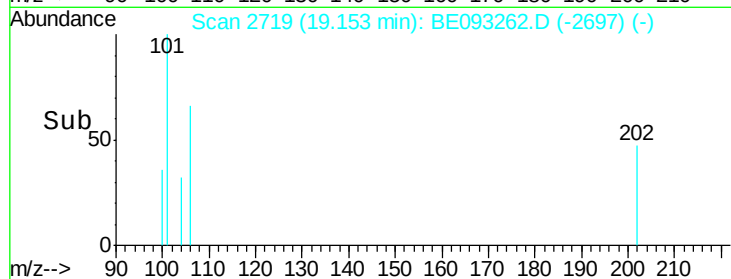
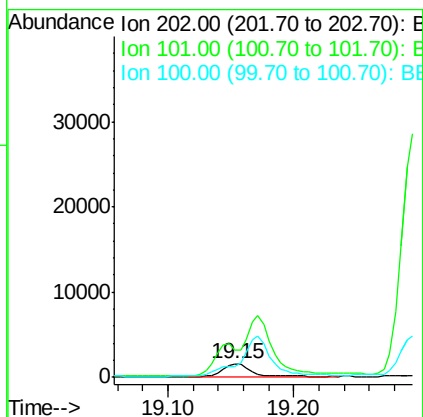
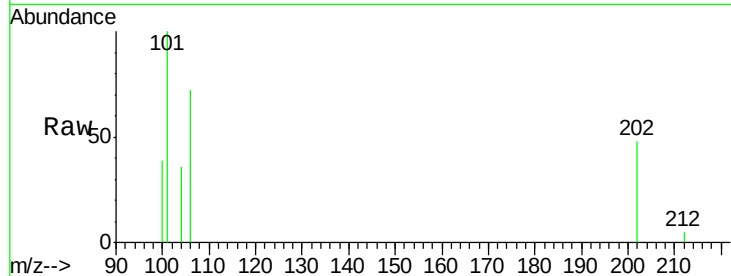




#15
Fluoranthene
Concen: 0.03 ng/ul
RT: 19.15 min Scan# 2719
Delta R.T. -0.00 min
Lab File: BE093262.D
Acq: 19 Jun 2017 22:14

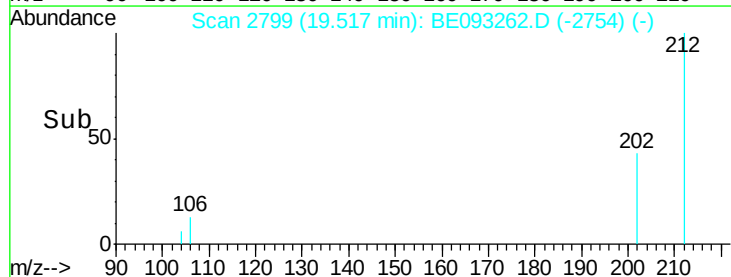
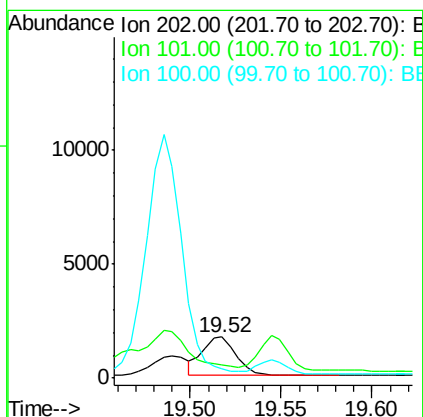
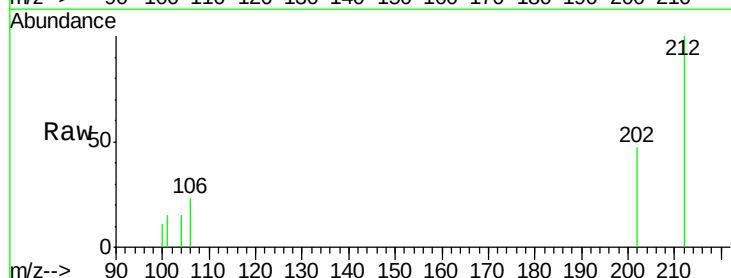
Instrument :
BNA_E
ClientSampleId :

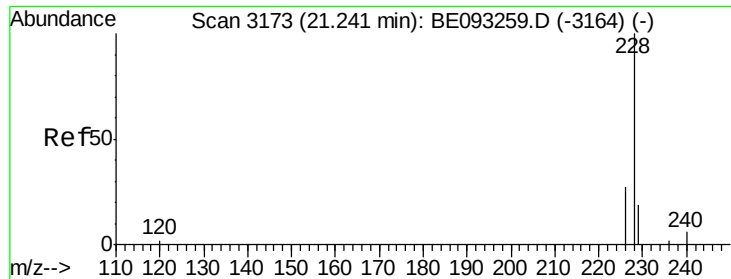
Tot Ion:202 Resp: 2113
Ion Ratio Lower Upper
202 100
101 209.1 0.0 30.3#
100 82.0 0.0 39.5#



#17
Pyrene
Concen: 0.04 ng/ul
RT: 19.52 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BE093262.D
Acq: 19 Jun 2017 22:14

Tgt Ion:202 Resp: 2170
Ion Ratio Lower Upper
202 100
101 31.9 18.2 27.4#
100 23.0 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 21.24 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BE093262.D

Acq: 19 Jun 2017 22:14

Instrument :

BNA_E

ClientSampled :

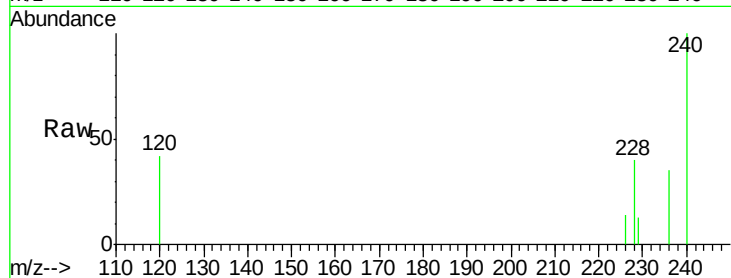
Tot Ion:228 Resp: 1258

Ion Ratio Lower Upper

228 100

229 33.6 22.8 34.2

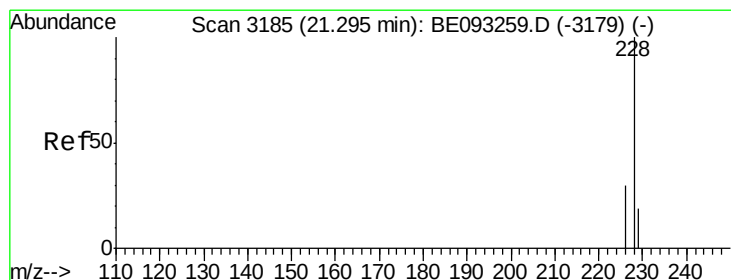
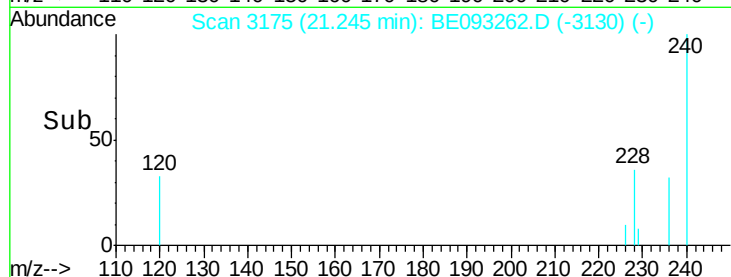
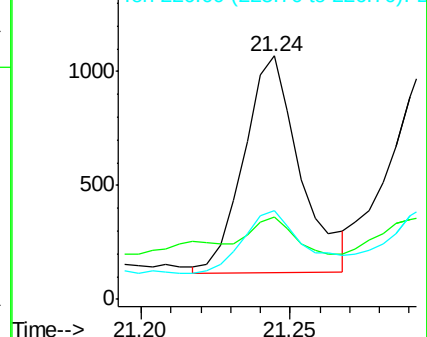
226 36.2 17.0 25.6#



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: 0.02 ng/ul

RT: 21.29 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093262.D

Acq: 19 Jun 2017 22:14

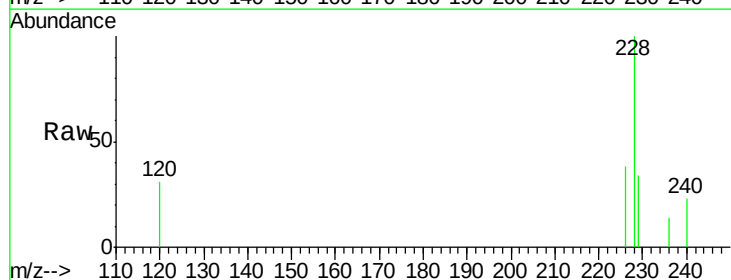
Tgt Ion:228 Resp: 1351

Ion Ratio Lower Upper

228 100

226 38.3 23.4 35.0#

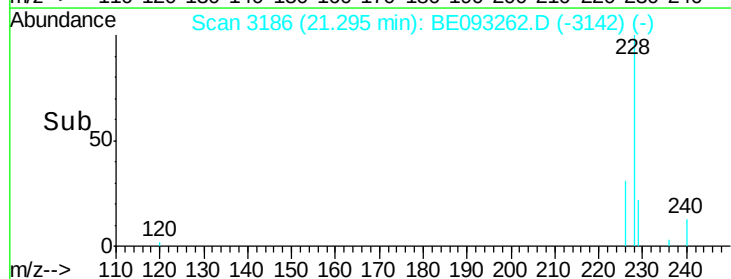
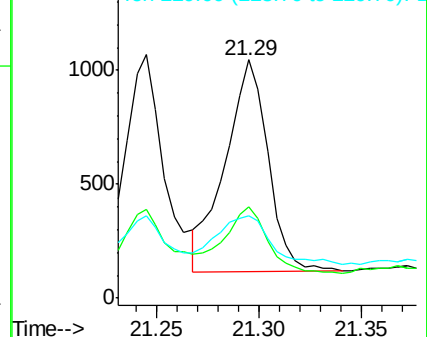
229 34.4 17.7 26.5#

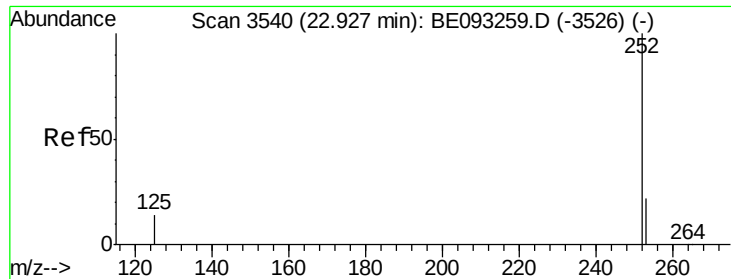


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. -0.00 min

Lab File: BE093262.D

Acq: 19 Jun 2017 22:14

Instrument :

BNA_E

ClientSampleId :

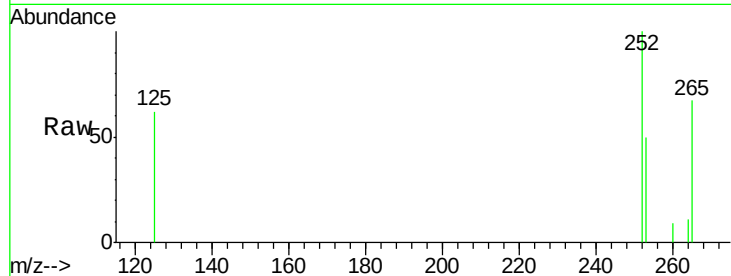
Tot Ion:252 Resp: 1775

Ion Ratio Lower Upper

252 100

253 49.8 0.0 64.2

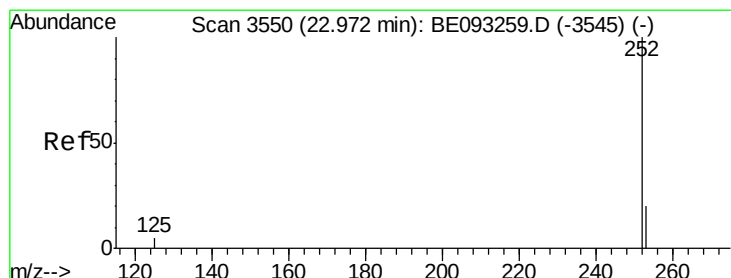
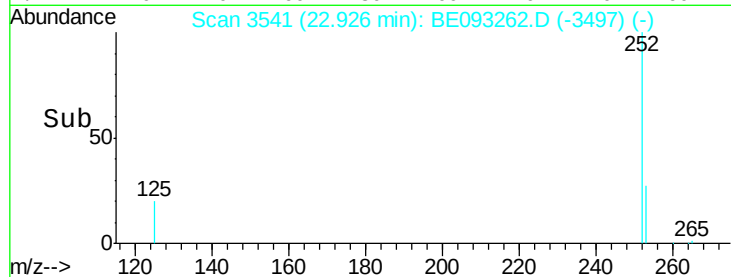
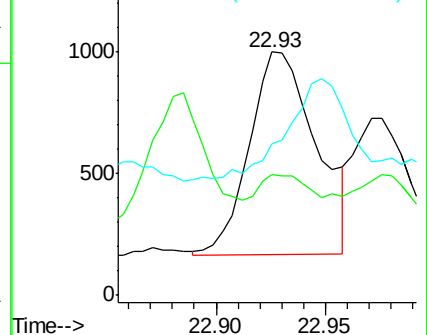
125 62.4 0.0 35.0#



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: 0.02 ng/ul

RT: 22.98 min Scan# 3552

Delta R.T. 0.00 min

Lab File: BE093262.D

Acq: 19 Jun 2017 22:14

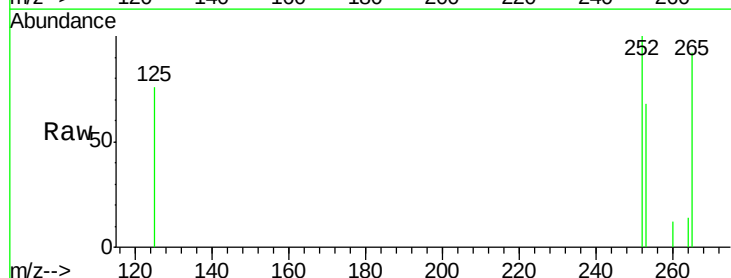
Tgt Ion:252 Resp: 996

Ion Ratio Lower Upper

252 100

253 67.9 24.5 36.7#

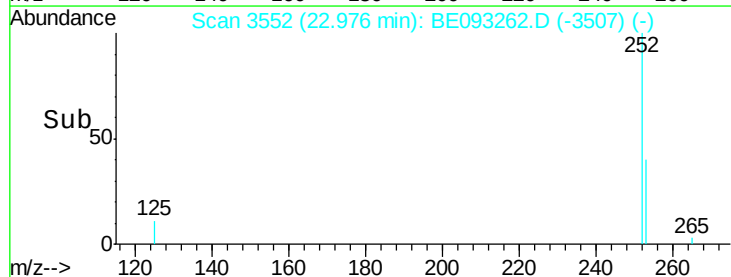
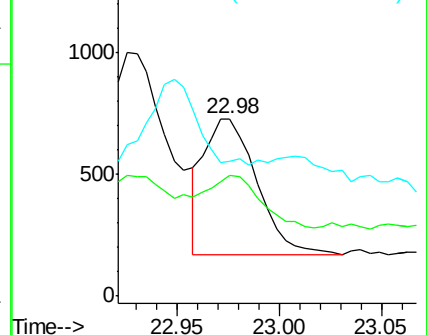
125 76.4 13.7 20.5#

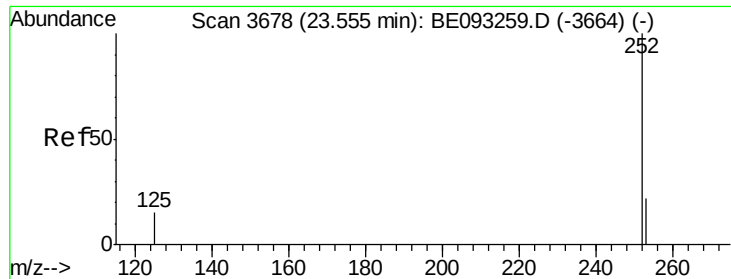


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.56 min Scan# 3680

Delta R.T. 0.00 min

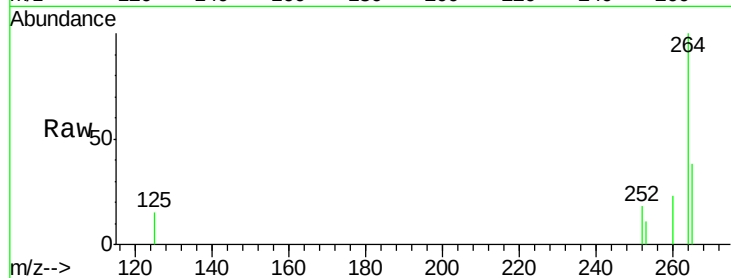
Lab File: BE093262.D

Acq: 19 Jun 2017 22:14

Instrument :

BNA_E

ClientSampleId :



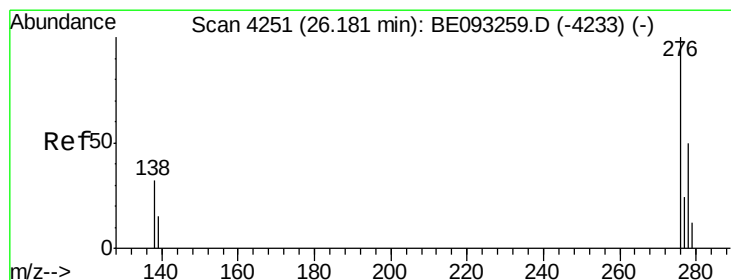
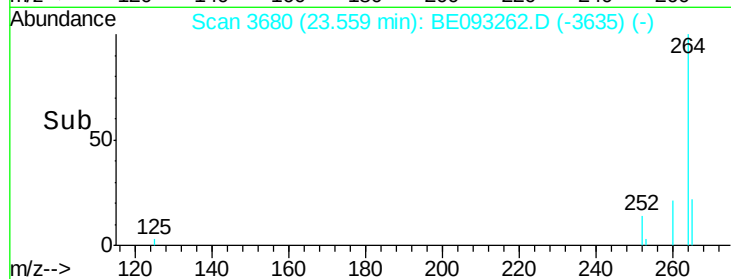
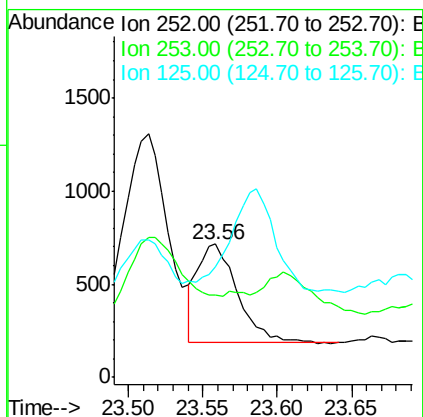
Tot Ion:252 Resp: 992

Ion Ratio Lower Upper

252 100

253 62.3 28.5 42.7#

125 82.6 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng/ul

RT: 26.18 min Scan# 4252

Delta R.T. -0.00 min

Lab File: BE093262.D

Acq: 19 Jun 2017 22:14

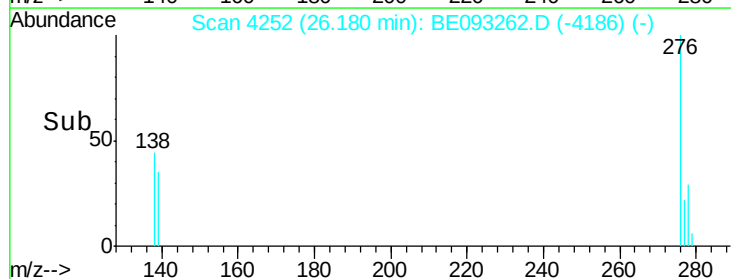
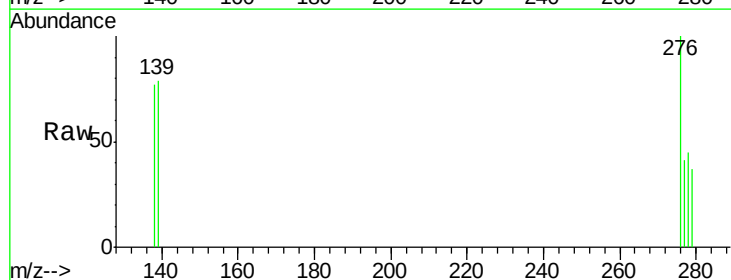
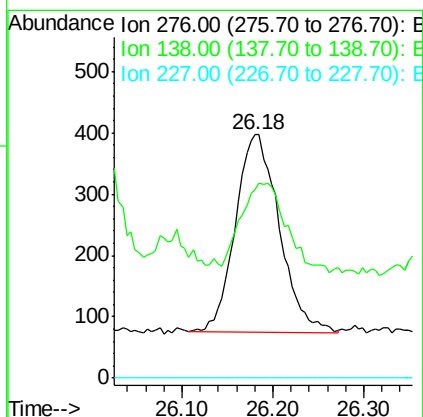
Tgt Ion:276 Resp: 1081

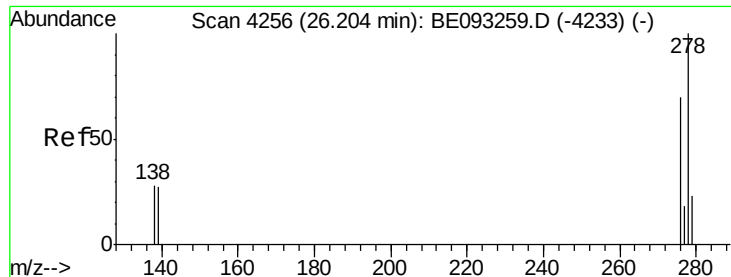
Ion Ratio Lower Upper

276 100

138 48.1 28.0 42.0#

227 0.0 8.0 12.0#





#25

Dibenzo(a,h)anthracene

Concen: 0.01 ng/ul

RT: 26.21 min Scan# 4258

Delta R.T. 0.00 min

Lab File: BE093262.D

Acq: 19 Jun 2017 22:14

Instrument :

BNA_E

ClientSampled :

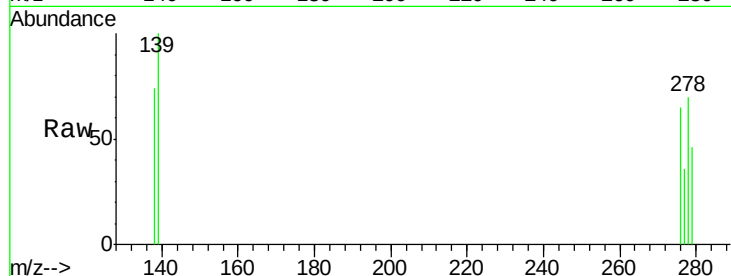
Tot Ion:278 Resp: 602

Ion Ratio Lower Upper

278 100

139 143.8 17.4 26.0#

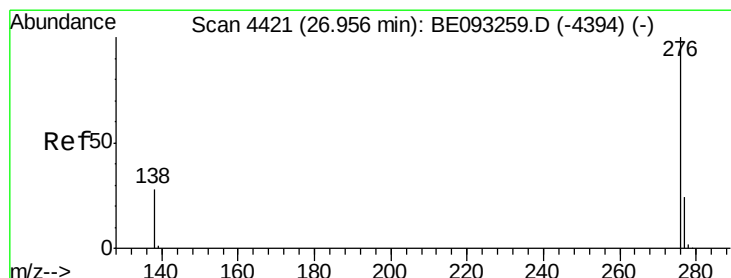
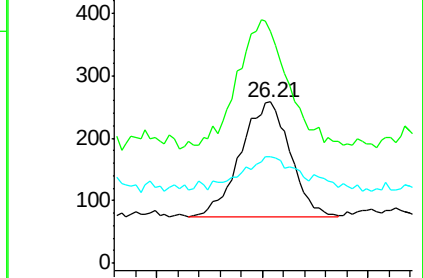
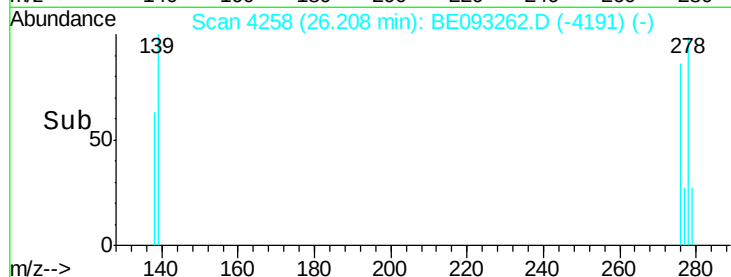
279 66.3 25.9 38.9#



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: 0.02 ng/ul

RT: 26.96 min Scan# 4423

Delta R.T. 0.00 min

Lab File: BE093262.D

Acq: 19 Jun 2017 22:14

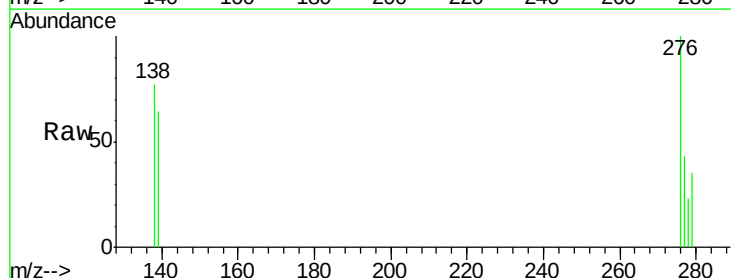
Tgt Ion:276 Resp: 947

Ion Ratio Lower Upper

276 100

138 77.3 21.8 32.8#

277 43.5 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

