

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE060817\
 Data File : BE093088.D
 Acq On : 8 Jun 2017 19:36
 Operator : SJ/MA
 Sample : MDL-S-5
 Misc : 0.07 PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 09 07:44:48 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 17:42:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	4889	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	22149	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	11313	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	31740	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	36004	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	33504	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	11031	0.34	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	28033	0.32	ng/ul	0.00

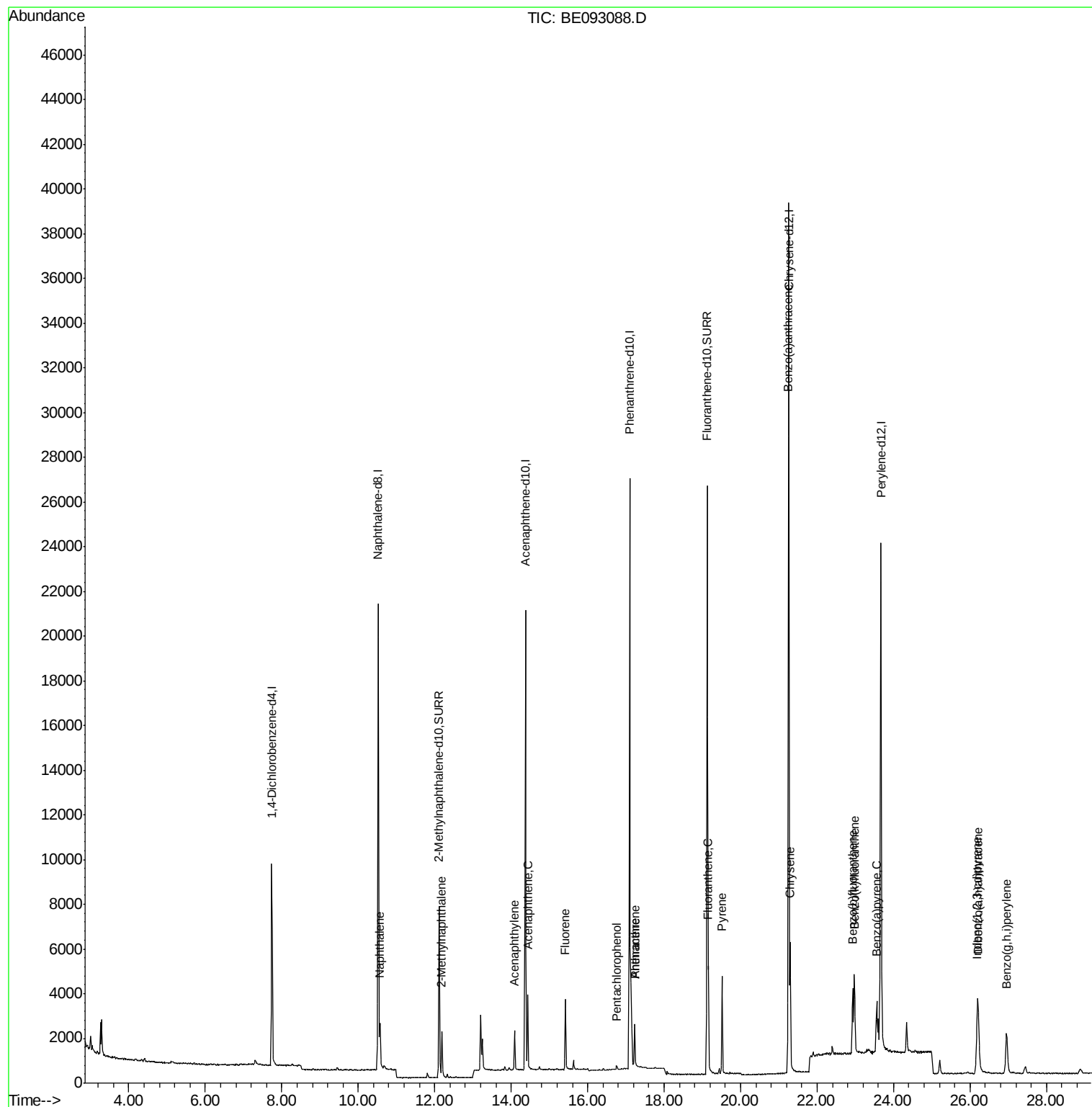
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	2878	0.052	ng/ul#	96
5) 2-Methylnaphthalene	12.19	142	1732	0.046	ng/ul	100
7) Acenaphthylene	14.09	152	2050	0.042	ng/ul	97
8) Acenaphthene	14.43	153	1829	0.047	ng/ul	97
9) Fluorene	15.42	166	2036	0.044	ng/ul	88
11) Pentachlorophenol	16.75	266	163	0.035	ng/ul	95
12) Phenanthrene	17.24	178	3075	0.035	ng/ul	97
13) Anthracene	17.24	178	3249	0.043	ng/ul	99
15) Fluoranthene	19.16	202	4822	0.045	ng/ul	83
17) Pyrene	19.52	202	4859	0.046	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	4491	0.047	ng/ul#	84
19) Chrysene	21.29	228	4891	0.049	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	4093	0.040	ng/ul	94
22) Benzo(k)fluoranthene	22.98	252	4997	0.046	ng/ul#	91
23) Benzo(a)pyrene	23.56	252	3971	0.041	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	26.19	276	4887	0.044	ng/ul#	85
25) Dibenzo(a,h)anthracene	26.21	278	4228	0.045	ng/ul#	82
26) Benzo(g,h,i)perylene	26.96	276	4152	0.043	ng/ul#	91

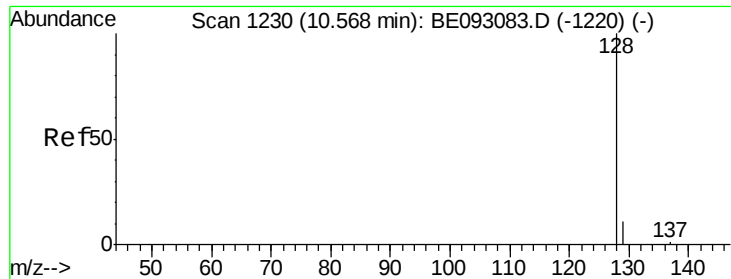
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE060817\
Data File : BE093088.D
Acq On : 8 Jun 2017 19:36
Operator : SJ/MA
Sample : MDL-S-5
Misc : 0.07 PPM
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :

Quant Time: Jun 09 07:44:48 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 08 17:42:17 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.052 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.01 min

Lab File: BE093088.D

Acq: 8 Jun 2017 19:36

Instrument :

BNA_E

ClientSampleId :

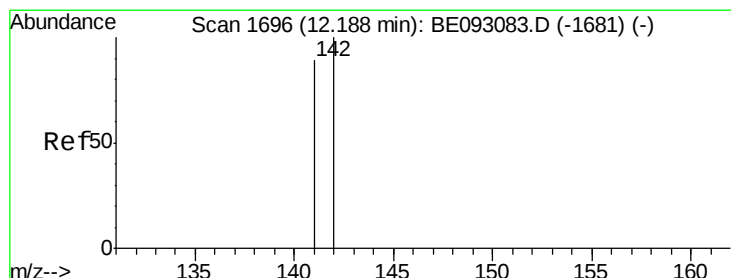
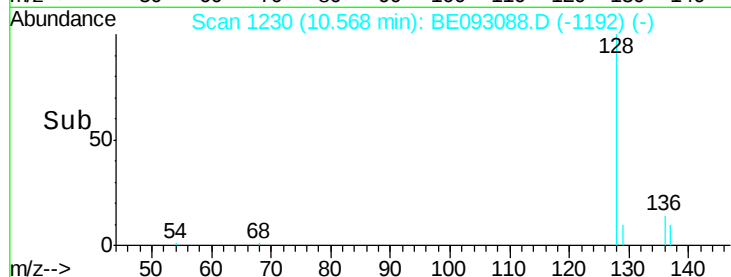
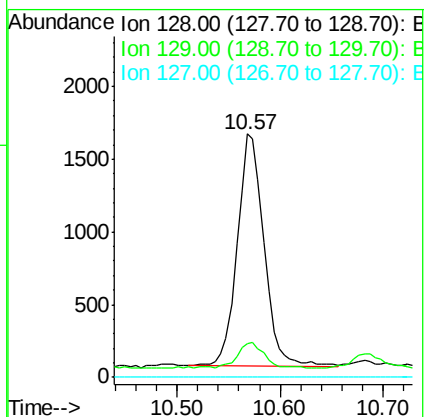
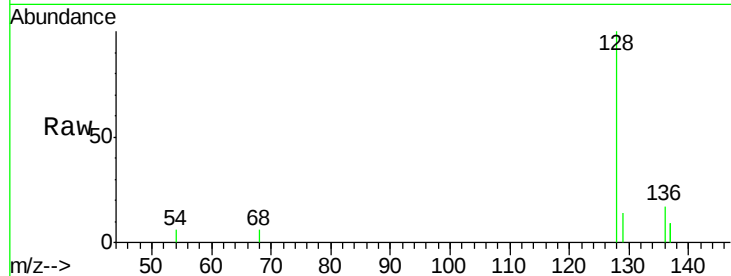
Tgt Ion:128 Resp: 2878

Ion Ratio Lower Upper

128 100

129 14.0 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.046 ng/ul

RT: 12.19 min Scan# 1696

Delta R.T. 0.00 min

Lab File: BE093088.D

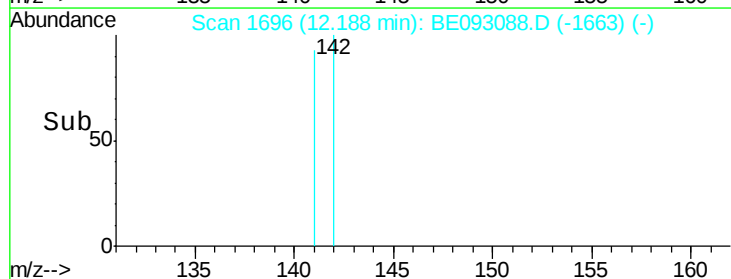
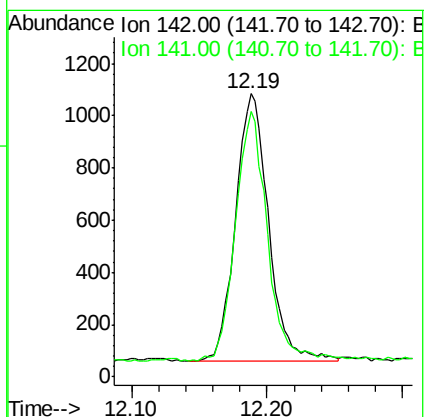
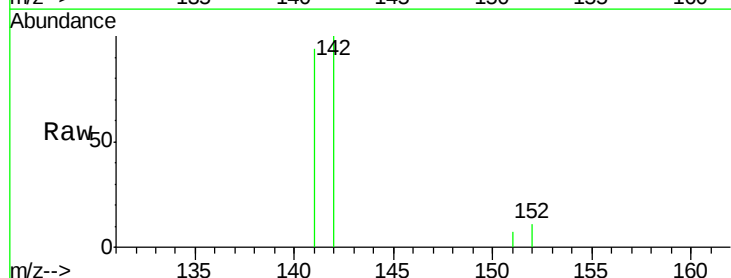
Acq: 8 Jun 2017 19:36

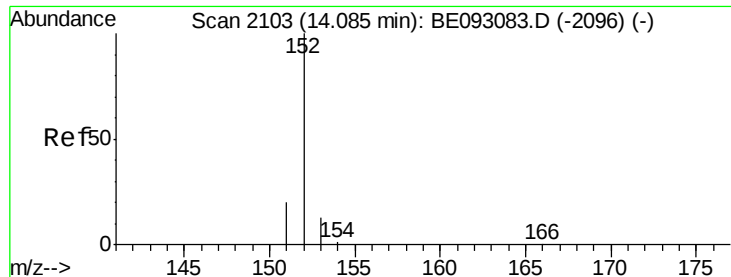
Tgt Ion:142 Resp: 1732

Ion Ratio Lower Upper

142 100

141 91.2 72.6 108.8





#7

Acenaphthylene

Concen: 0.042 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093088.D

Acq: 8 Jun 2017 19:36

Instrument :

BNA_E

ClientSampleId :

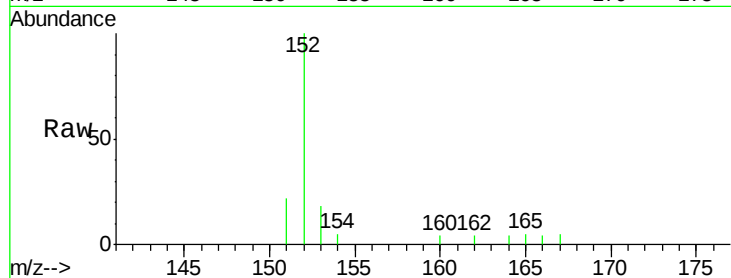
Tgt Ion:152 Resp: 2050

Ion Ratio Lower Upper

152 100

151 22.4 17.1 25.7

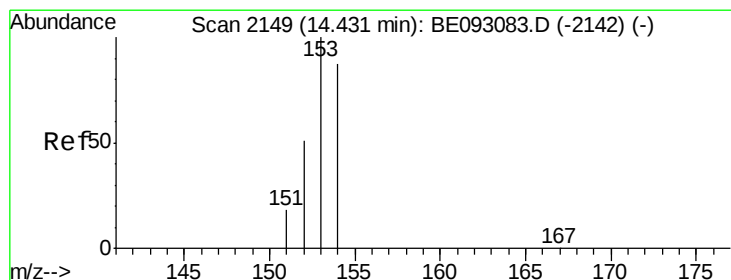
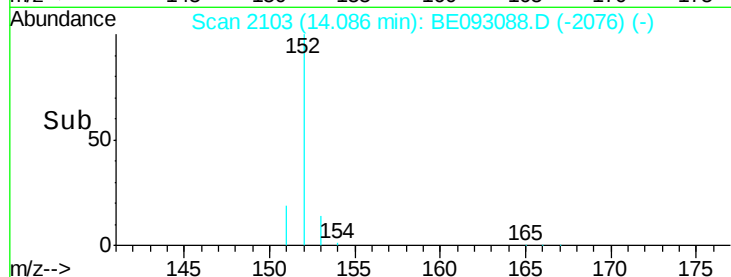
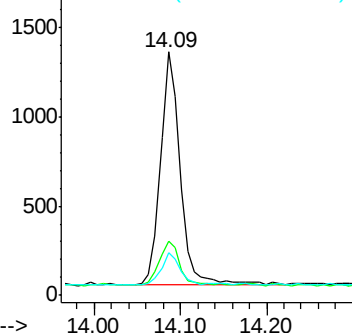
153 17.5 12.8 19.2



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: 0.047 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093088.D

Acq: 8 Jun 2017 19:36

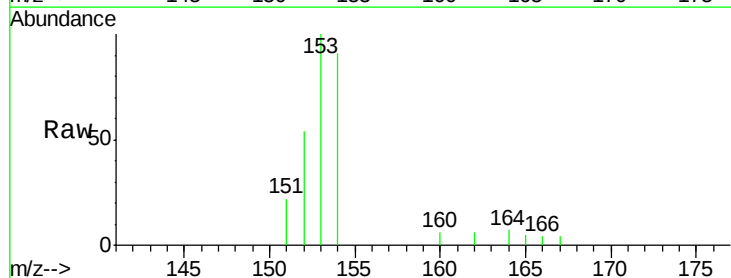
Tgt Ion:153 Resp: 1829

Ion Ratio Lower Upper

153 100

152 53.6 40.3 60.5

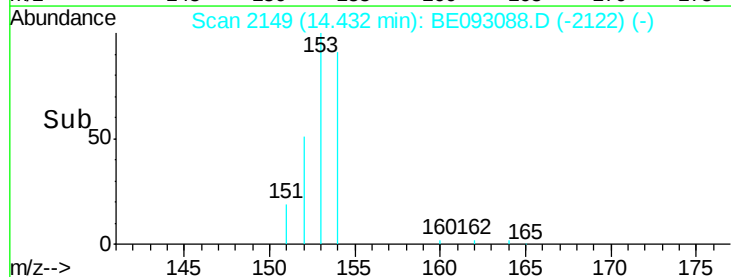
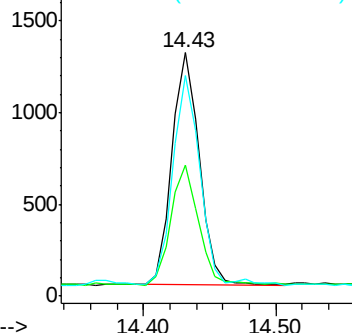
154 90.7 71.4 107.2

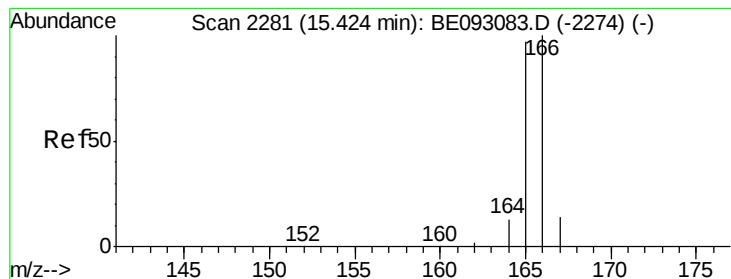


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.044 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093088.D

Acq: 8 Jun 2017 19:36

Instrument :

BNA_E

ClientSampleId :

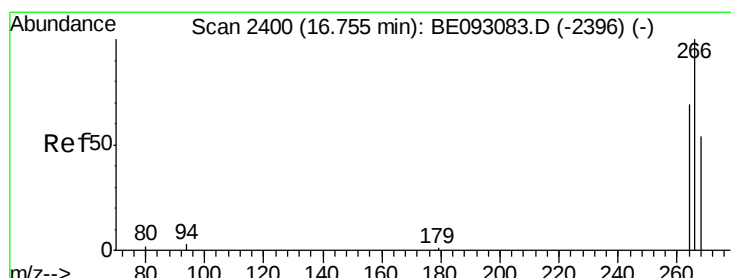
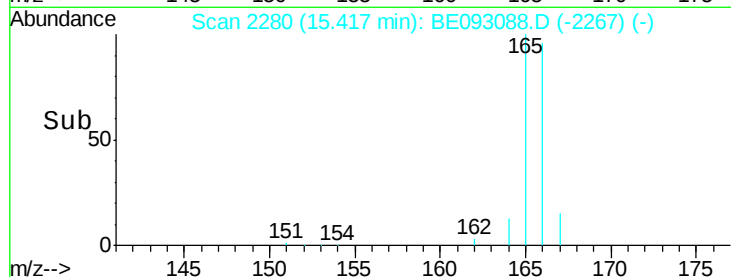
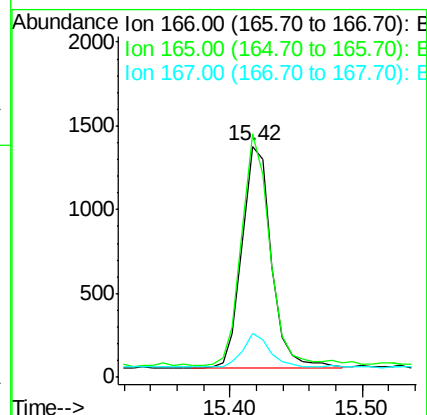
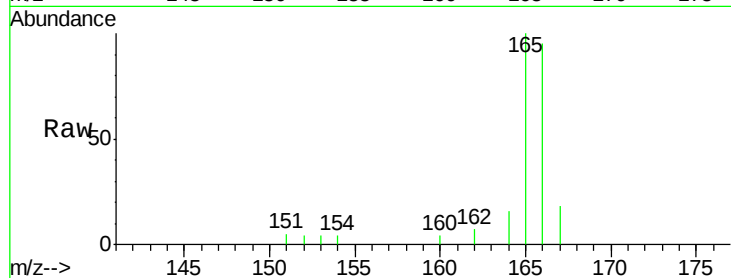
Tgt Ion:166 Resp: 2036

Ion Ratio Lower Upper

166 100

165 105.3 73.4 110.2

167 19.0 14.6 22.0



#11

Pentachlorophenol

Concen: 0.035 ng/ul

RT: 16.75 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BE093088.D

Acq: 8 Jun 2017 19:36

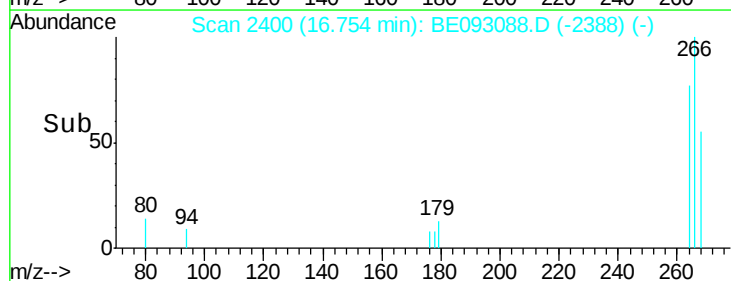
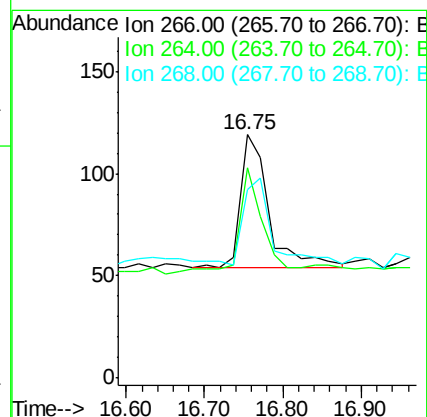
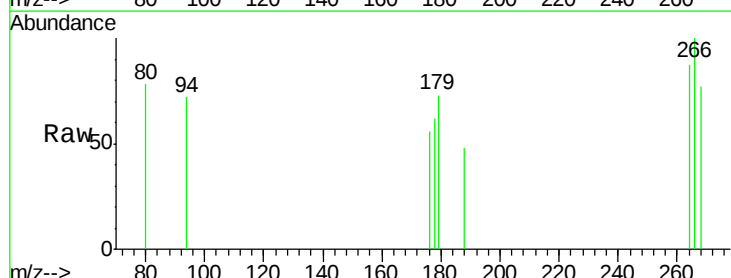
Tgt Ion:266 Resp: 163

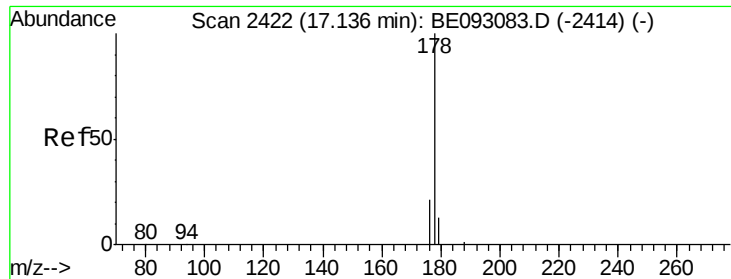
Ion Ratio Lower Upper

266 100

264 67.5 47.9 71.9

268 62.0 49.8 74.8





#12

Phenanthrene

Concen: 0.035 ng/ul

RT: 17.24 min Scan# 2428

Delta R.T. 0.10 min

Lab File: BE093088.D

Acq: 8 Jun 2017 19:36

Instrument :

BNA_E

ClientSampleId :

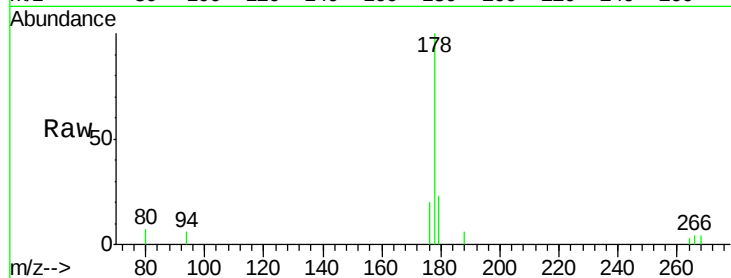
Tgt Ion:178 Resp: 3075

Ion Ratio Lower Upper

178 100

179 22.6 18.4 27.6

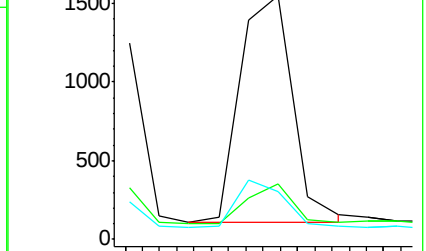
176 19.7 13.6 20.4



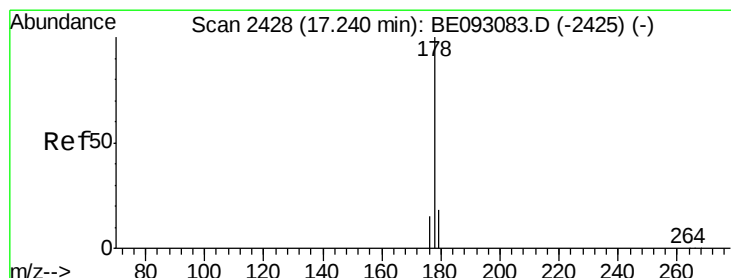
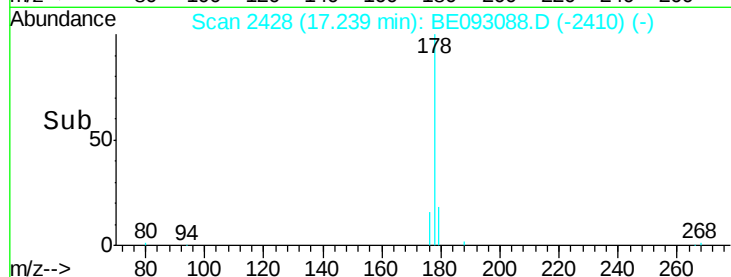
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#13

Anthracene

Concen: 0.043 ng/ul

RT: 17.24 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BE093088.D

Acq: 8 Jun 2017 19:36

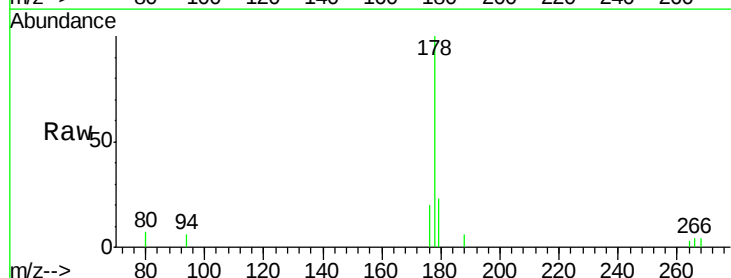
Tgt Ion:178 Resp: 3249

Ion Ratio Lower Upper

178 100

179 22.6 18.1 27.1

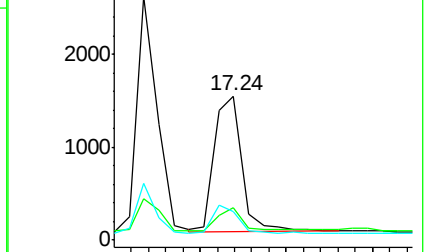
176 19.7 14.7 22.1



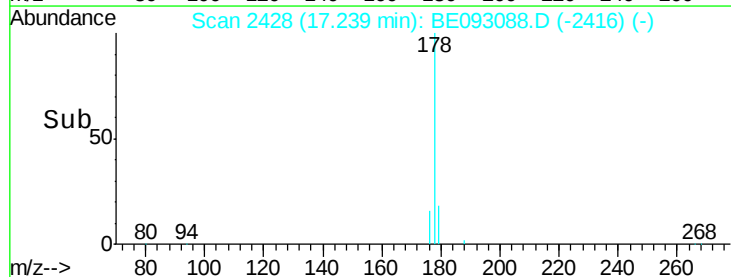
Abundance Ion 178.00 (177.70 to 178.70): E

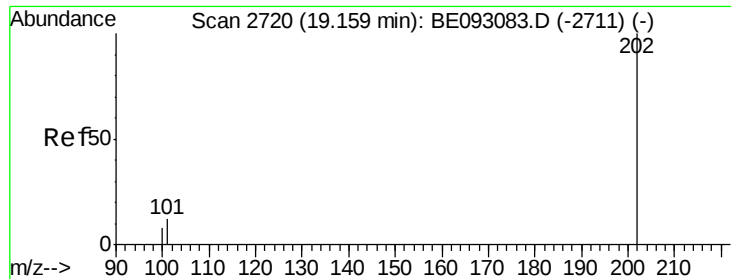
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->

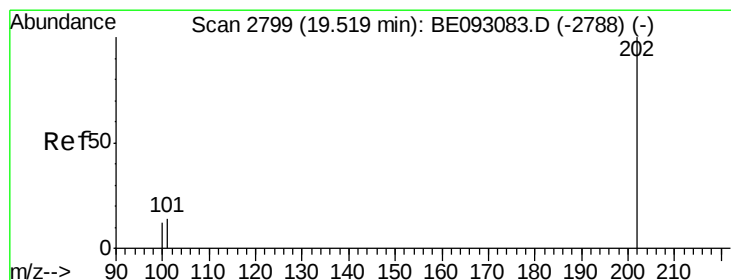
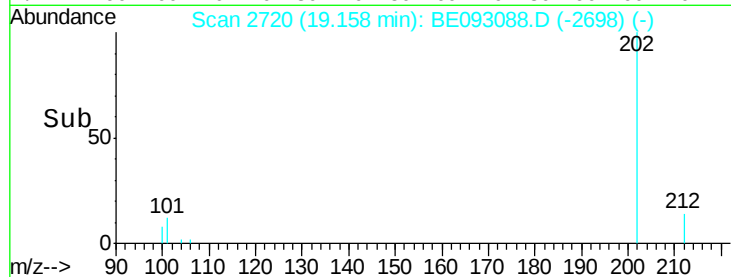
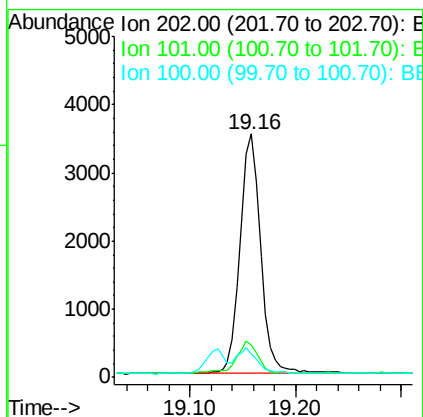
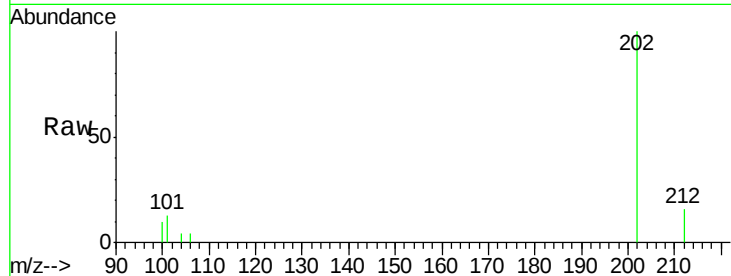




#15
Fluoranthene
 Concen: 0.045 ng/ul
 RT: 19.16 min Scan# 2720
 Delta R.T. -0.00 min
 Lab File: BE093088.D
 Acq: 8 Jun 2017 19:36

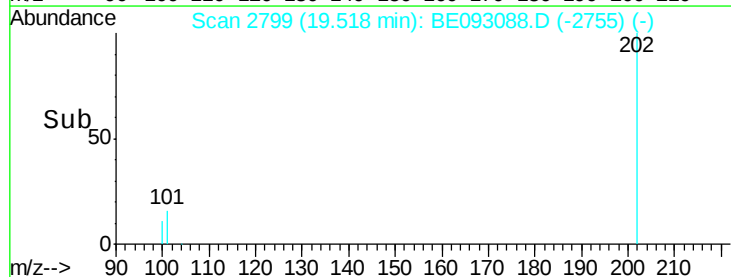
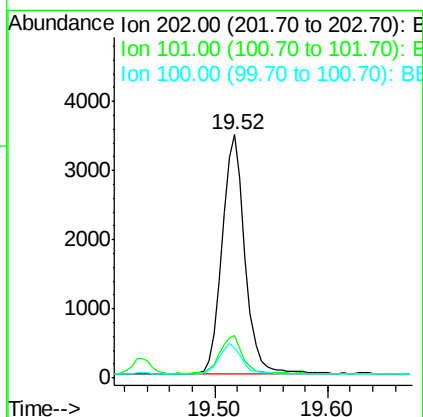
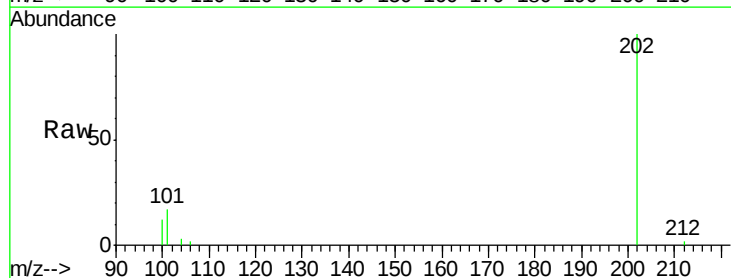
Instrument :
 BNA_E
 ClientSampleId :

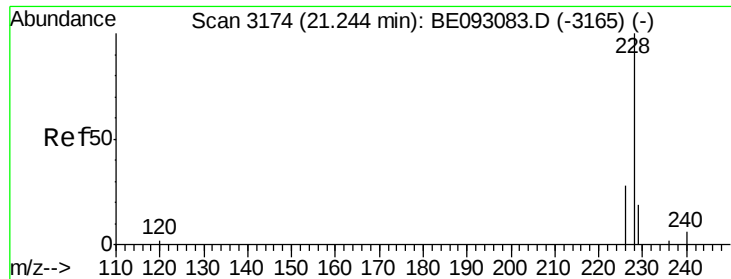
Tgt Ion:202 Resp: 4822
 Ion Ratio Lower Upper
 202 100
 101 13.4 0.0 30.3
 100 9.9 0.0 39.5



#17
Pyrene
 Concen: 0.046 ng/ul
 RT: 19.52 min Scan# 2799
 Delta R.T. -0.00 min
 Lab File: BE093088.D
 Acq: 8 Jun 2017 19:36

Tgt Ion:202 Resp: 4859
 Ion Ratio Lower Upper
 202 100
 101 17.3 18.2 27.4#
 100 12.4 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.047 ng/ul

RT: 21.24 min Scan# 3175

Delta R.T. -0.00 min

Lab File: BE093088.D

Acq: 8 Jun 2017 19:36

Instrument :

BNA_E

ClientSampleId :

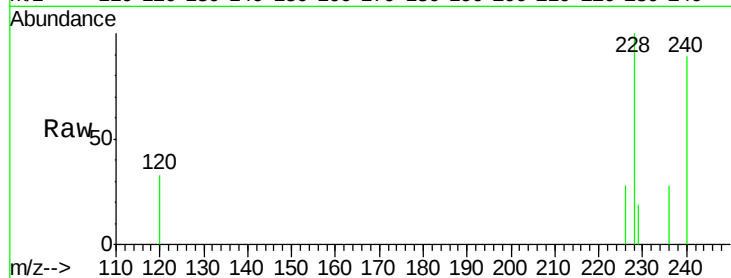
Tgt Ion:228 Resp: 4491

Ion Ratio Lower Upper

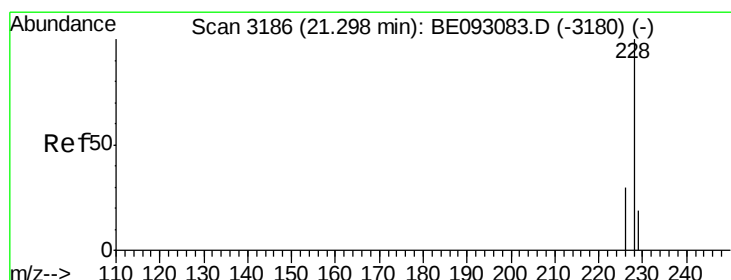
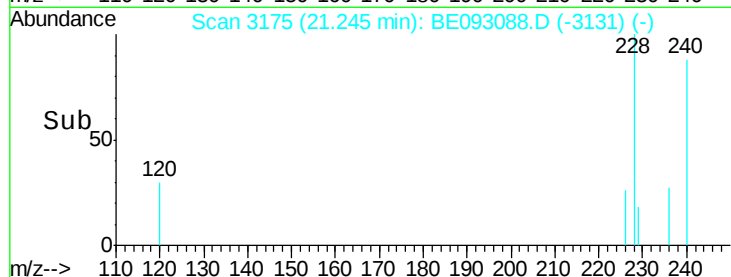
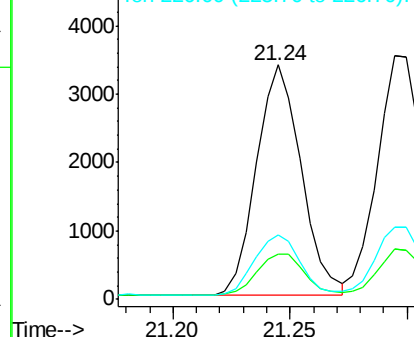
228 100

229 19.4 22.8 34.2#

226 27.7 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: 0.049 ng/ul

RT: 21.29 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093088.D

Acq: 8 Jun 2017 19:36

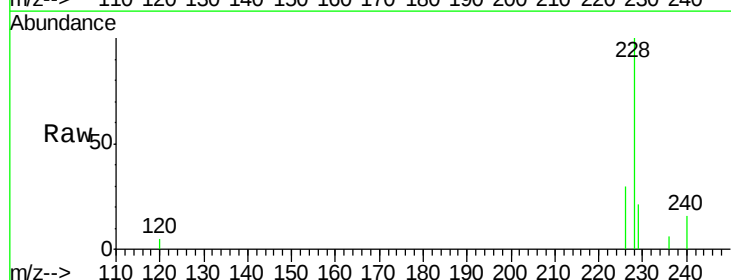
Tgt Ion:228 Resp: 4891

Ion Ratio Lower Upper

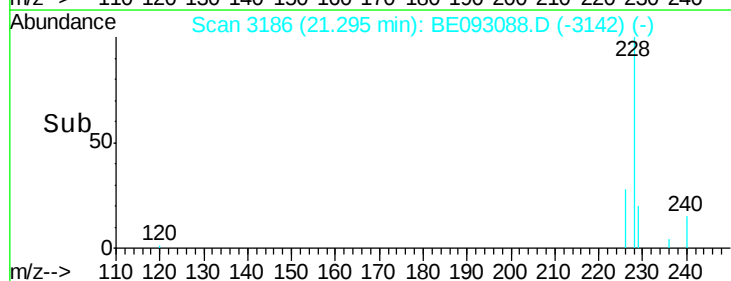
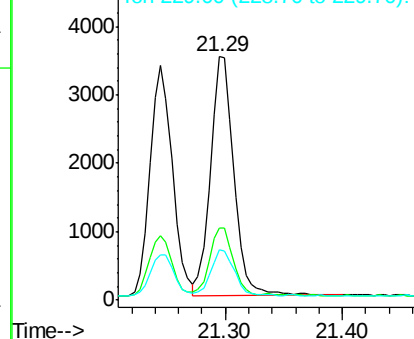
228 100

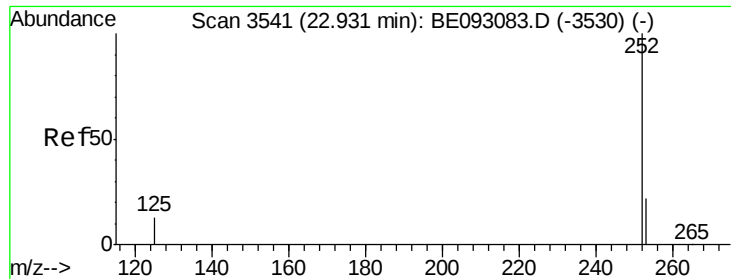
226 29.7 23.4 35.0

229 20.9 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: 0.040 ng/u1

RT: 22.93 min Scan# 3543

Delta R.T. 0.00 min

Lab File: BE093088.D

Acq: 8 Jun 2017 19:36

Instrument :

BNA_E

ClientSampleId :

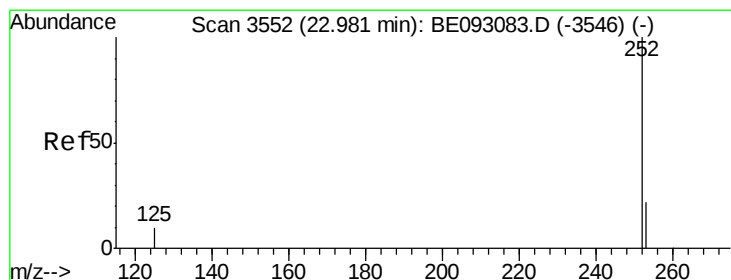
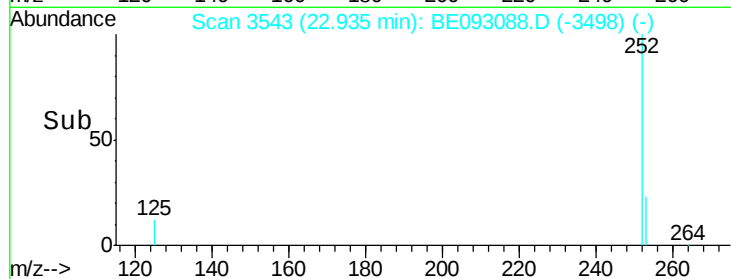
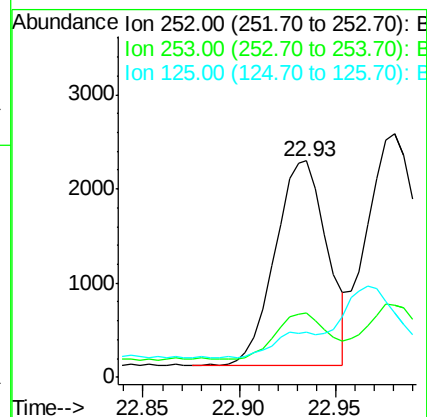
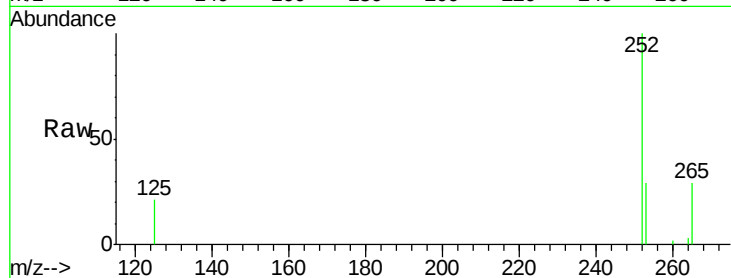
Tgt Ion:252 Resp: 4093

Ion Ratio Lower Upper

252 100

253 29.5 0.0 64.2

125 21.0 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 0.046 ng/u1

RT: 22.98 min Scan# 3553

Delta R.T. 0.00 min

Lab File: BE093088.D

Acq: 8 Jun 2017 19:36

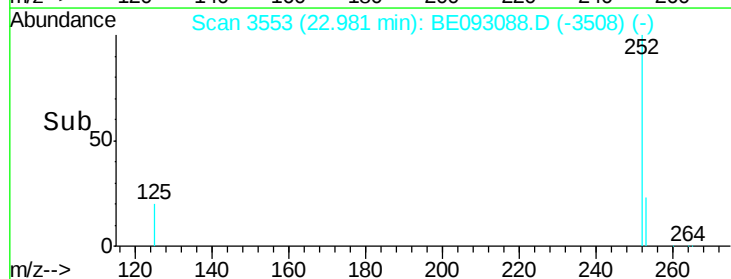
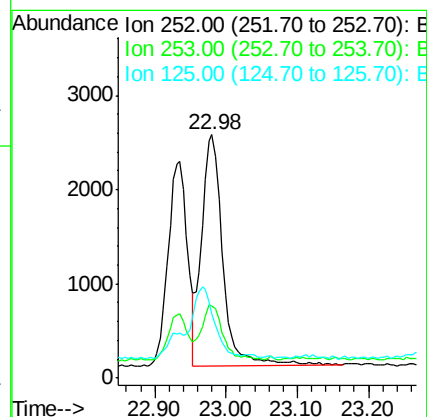
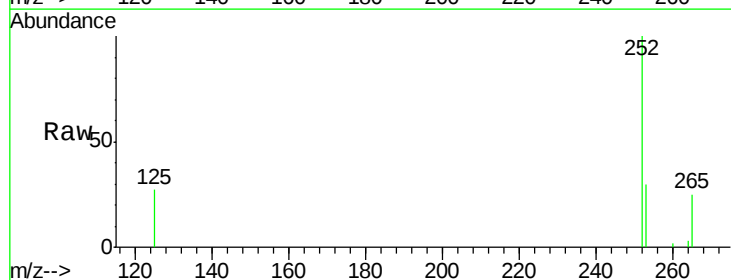
Tgt Ion:252 Resp: 4997

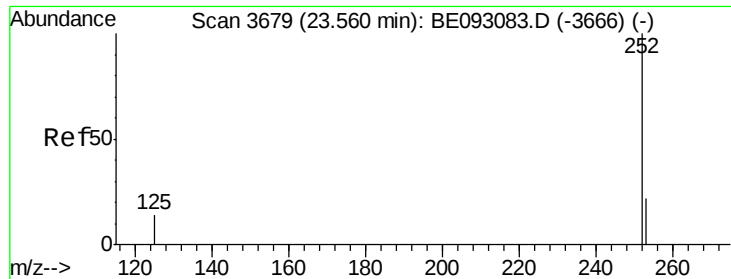
Ion Ratio Lower Upper

252 100

253 29.8 24.5 36.7

125 26.5 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.041 ng/ul

RT: 23.56 min Scan# 3680

Delta R.T. -0.00 min

Lab File: BE093088.D

Acq: 8 Jun 2017 19:36

Instrument :

BNA_E

ClientSampleId :

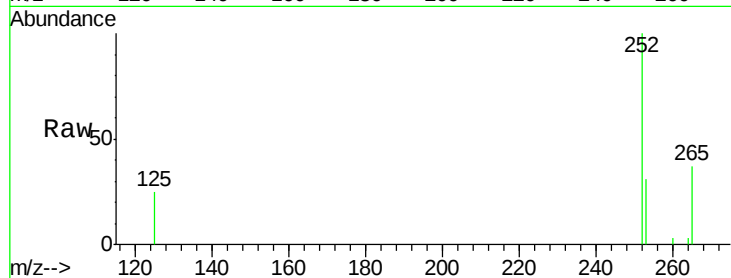
Tgt Ion:252 Resp: 3971

Ion Ratio Lower Upper

252 100

253 31.5 28.5 42.7

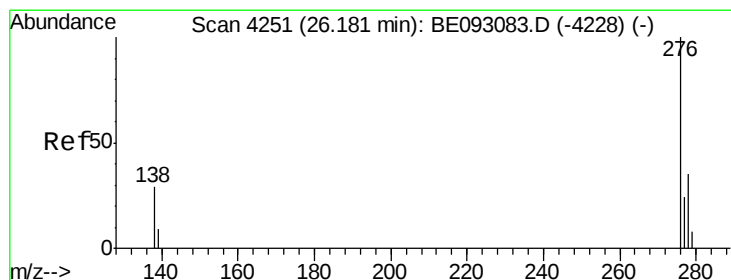
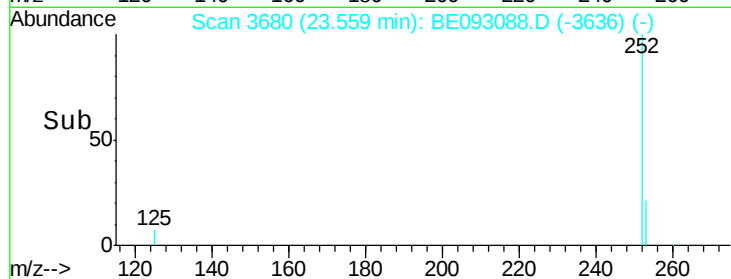
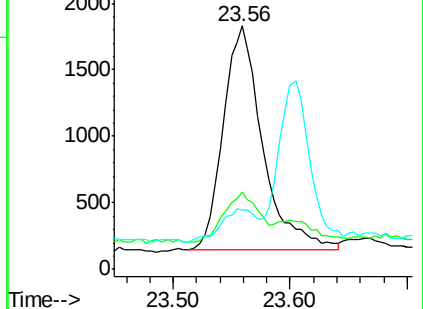
125 24.6 18.1 27.1



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: 0.044 ng/ul

RT: 26.19 min Scan# 4253

Delta R.T. -0.00 min

Lab File: BE093088.D

Acq: 8 Jun 2017 19:36

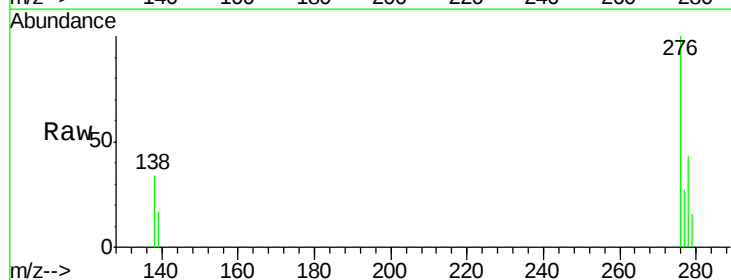
Tgt Ion:276 Resp: 4887

Ion Ratio Lower Upper

276 100

138 42.1 28.0 42.0#

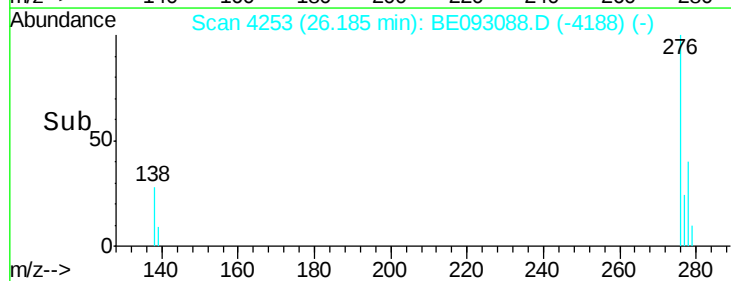
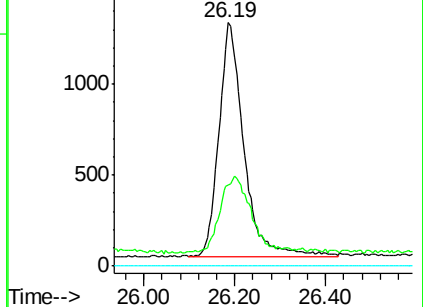
227 0.0 8.0 12.0#

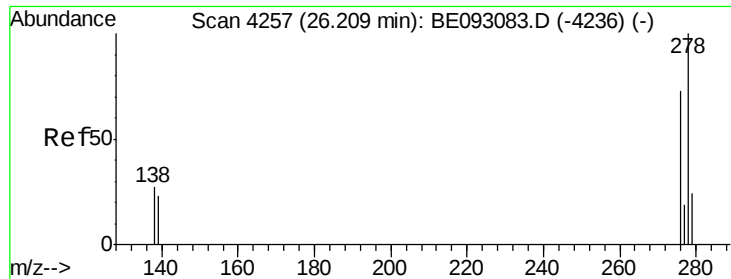


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.045 ng/ul

RT: 26.21 min Scan# 4259

Delta R.T. 0.00 min

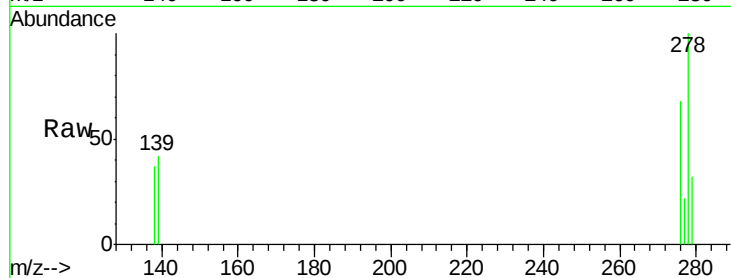
Lab File: BE093088.D

Acq: 8 Jun 2017 19:36

Instrument :

BNA_E

ClientSampleId :



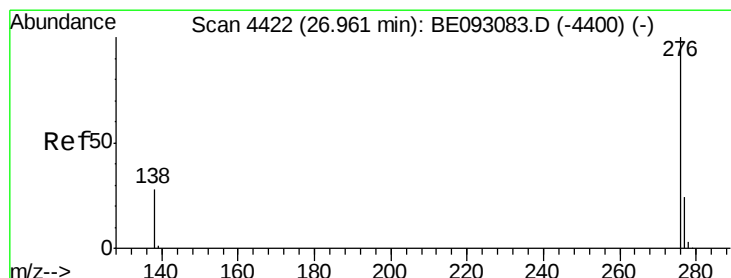
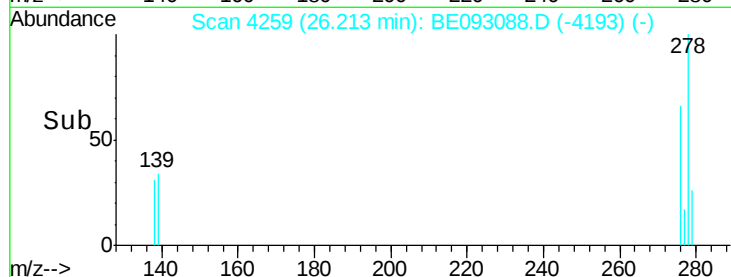
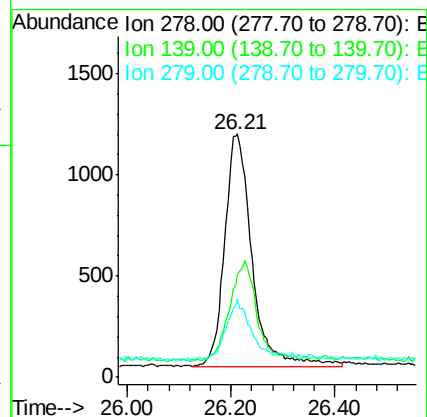
Tgt Ion:278 Resp: 4228

Ion Ratio Lower Upper

278 100

139 42.3 17.4 26.0#

279 32.0 25.9 38.9



#26

Benzo(g,h,i)perylene

Concen: 0.043 ng/ul

RT: 26.96 min Scan# 4422

Delta R.T. 0.00 min

Lab File: BE093088.D

Acq: 8 Jun 2017 19:36

Tgt Ion:276 Resp: 4152

Ion Ratio Lower Upper

276 100

138 33.3 21.8 32.8#

277 29.2 20.5 30.7

