

Data File : BE093138.D
Acq On : 13 Jun 2017 19:38
Operator : SJ/MA
Sample : I3522-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C34

Quant Time: Jun 14 01:26:08 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 14 01:25:15 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	4928	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	24031	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	14421	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	34551	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	36617	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	1853178	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	8084	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	23741	0.25	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	487893	8.18	ng/ul#	91
5) 2-Methylnaphthalene	12.19	142	42576	1.04	ng/ul	98
7) Acenaphthylene	14.09	152	5003	0.08	ng/ul	98
8) Acenaphthene	14.43	153	45562	0.91	ng/ul	98
9) Fluorene	15.42	166	71439	1.22	ng/ul#	90
11) Pentachlorophenol	16.75	266	273	0.05	ng/ul	95
12) Phenanthrene	17.14	178	312072	3.28	ng/ul#	86
13) Anthracene	17.22	178	79193	0.96	ng/ul#	90
15) Fluoranthene	19.15	202	111452	0.96	ng/ul	84
17) Pyrene	19.51	202	82428	0.76	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	12144	0.12	ng/ul#	87
19) Chrysene	21.29	228	10627	0.10	ng/ul	97

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

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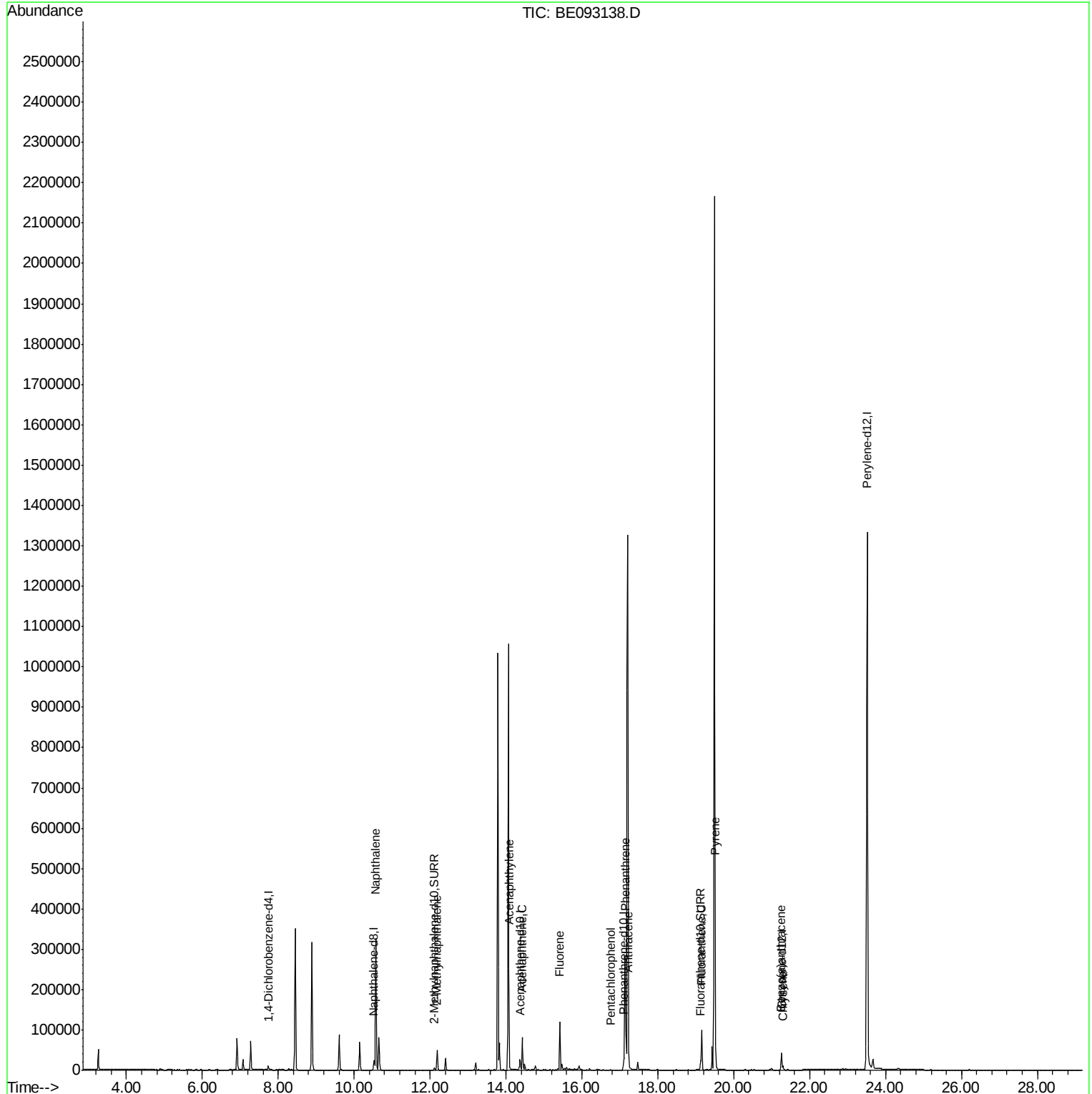
Quant Time: Jun 14 01:26:08 2017

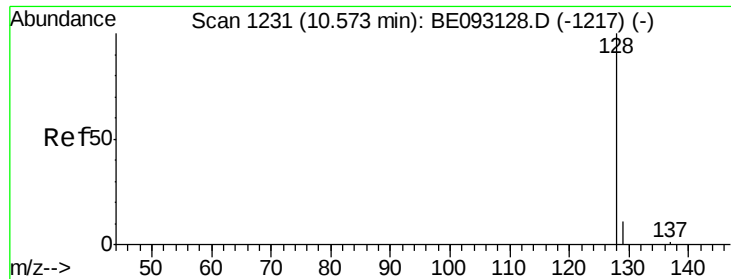
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 8.18 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

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ClientSampleId :

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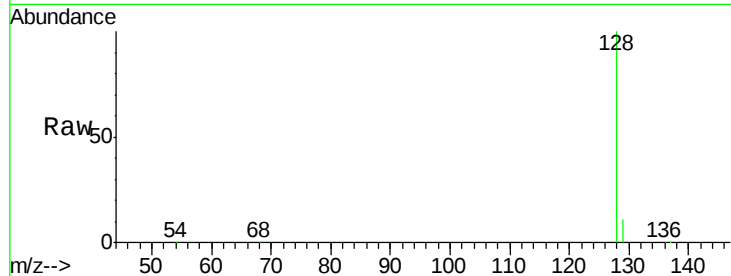
Tgt Ion:128 Resp: 487893

Ion Ratio Lower Upper

128 100

129 11.1 11.3 16.9#

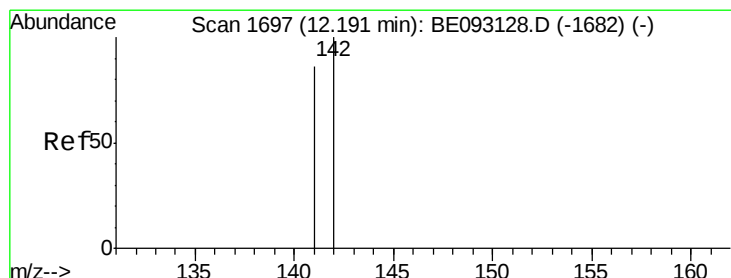
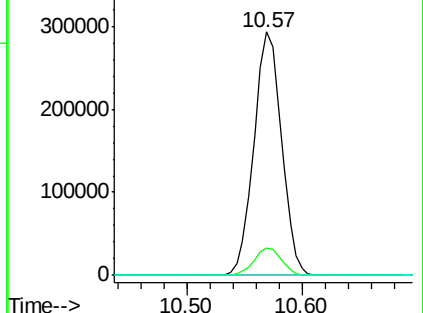
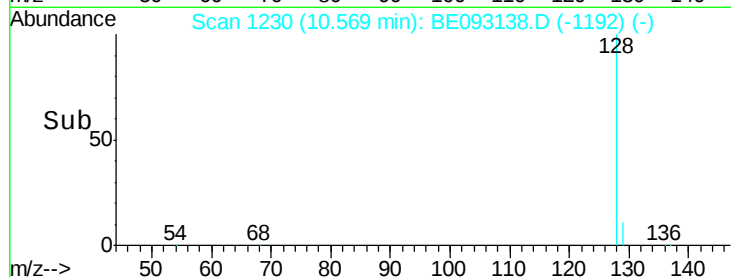
127 0.0 4.0 6.0#



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: 1.04 ng/ul

RT: 12.19 min Scan# 1696

Delta R.T. -0.00 min

Lab File: BE093138.D

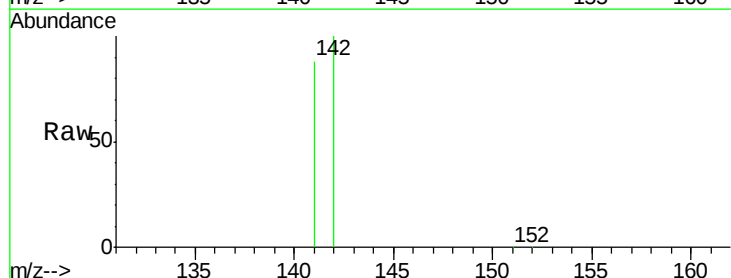
Acq: 13 Jun 2017 19:38

Tgt Ion:142 Resp: 42576

Ion Ratio Lower Upper

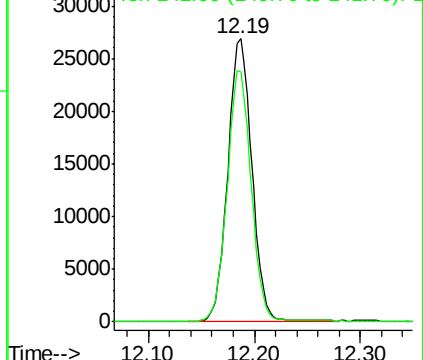
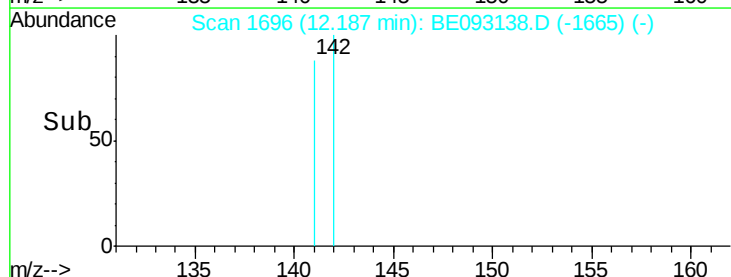
142 100

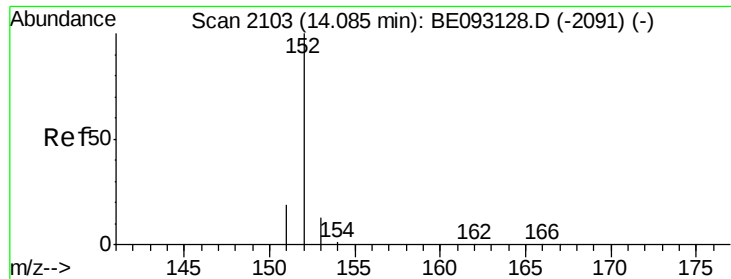
141 88.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

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Acq: 13 Jun 2017 19:38

Instrument :

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ClientSampleId :

F5C34

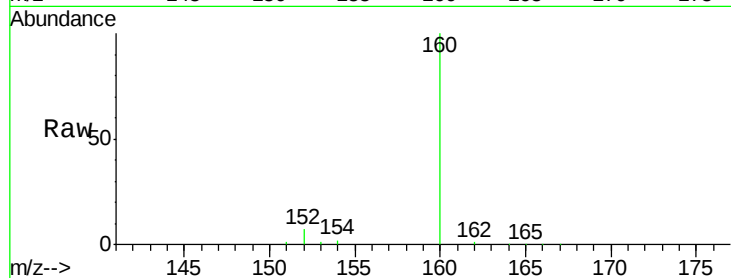
Tgt Ion:152 Resp: 5003

Ion Ratio Lower Upper

152 100

151 21.7 17.1 25.7

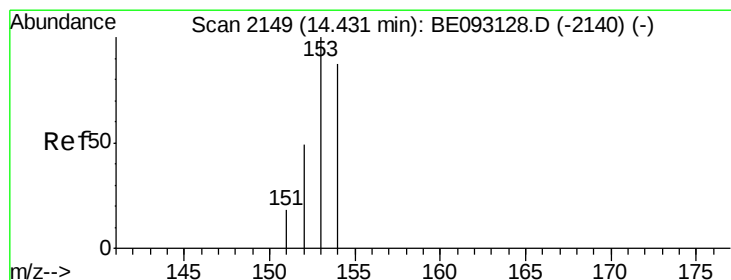
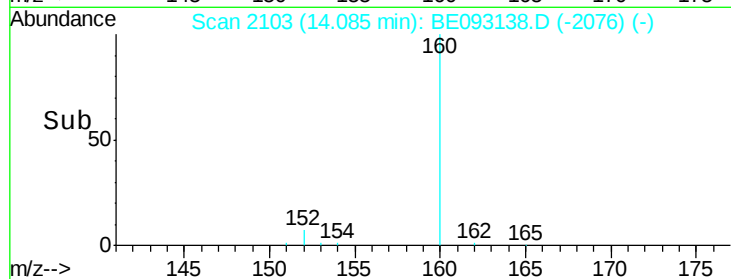
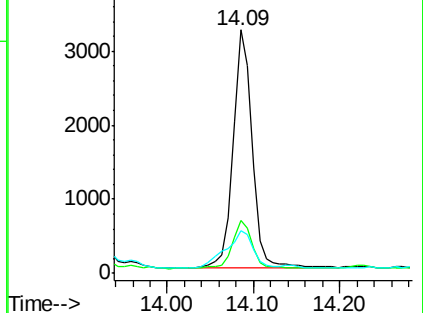
153 17.7 12.8 19.2



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: 0.91 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BE093138.D

Acq: 13 Jun 2017 19:38

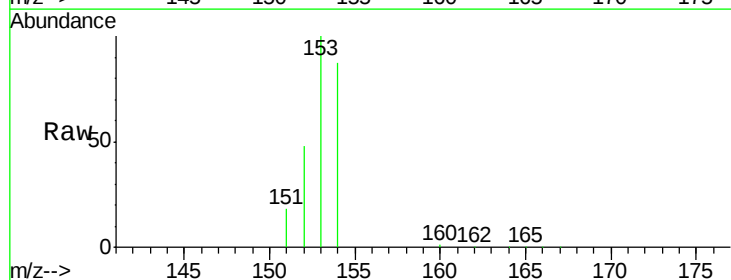
Tgt Ion:153 Resp: 45562

Ion Ratio Lower Upper

153 100

152 48.3 40.3 60.5

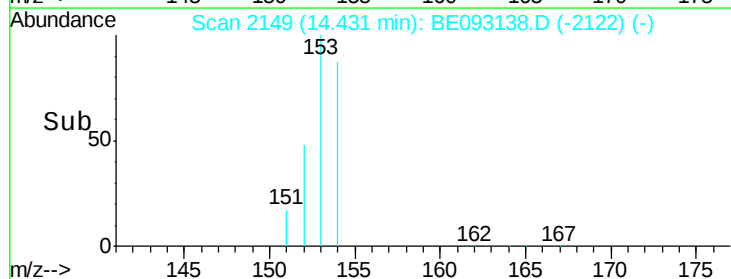
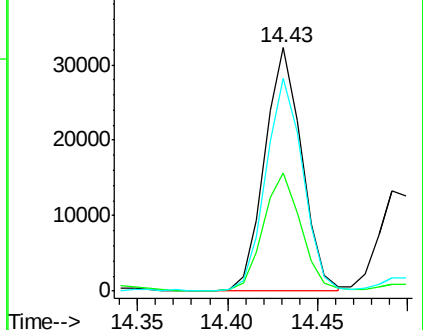
154 87.3 71.4 107.2

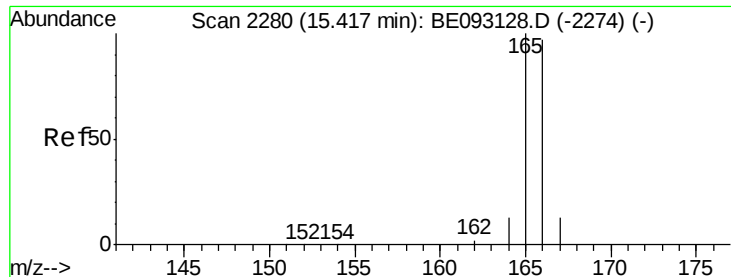


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.22 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE093138.D

Acq: 13 Jun 2017 19:38

Instrument :

BNA_E

ClientSampleId :

F5C34

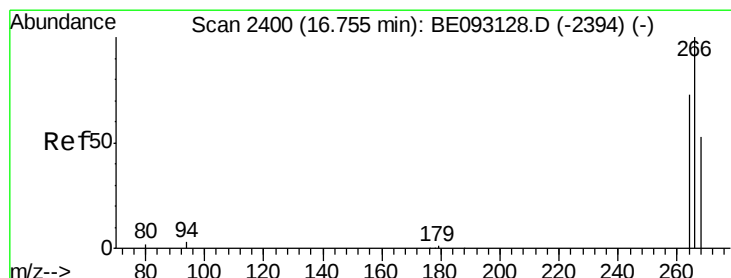
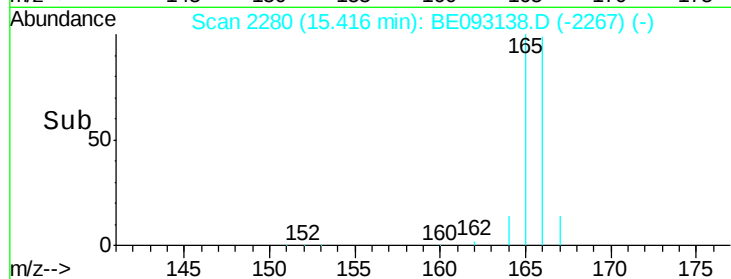
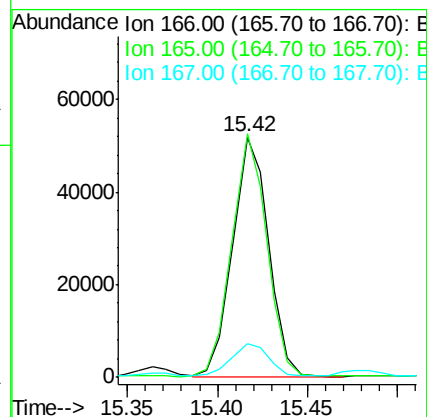
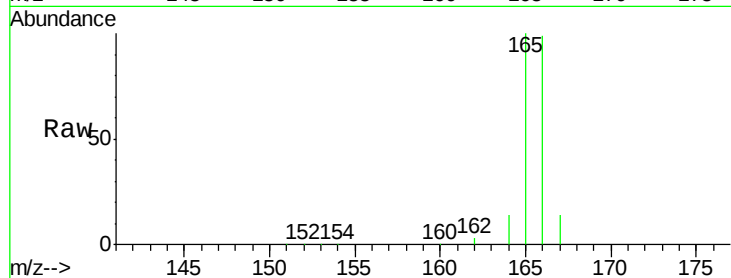
Tgt Ion:166 Resp: 71439

Ion Ratio Lower Upper

166 100

165 101.4 73.4 110.2

167 14.1 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.05 ng/ul

RT: 16.75 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BE093138.D

Acq: 13 Jun 2017 19:38

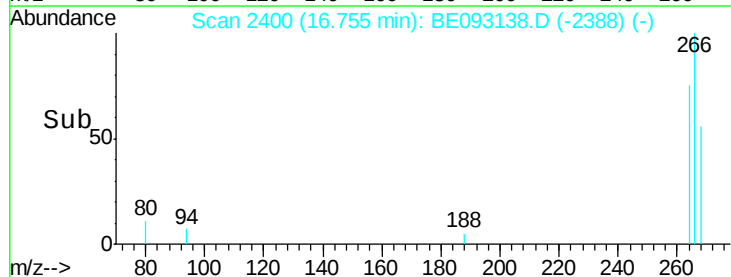
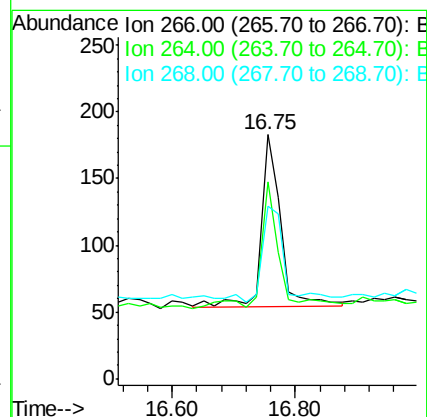
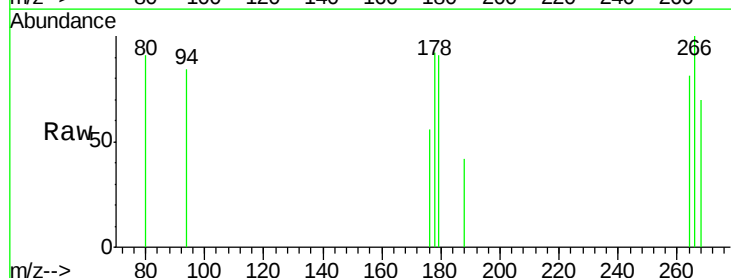
Tgt Ion:266 Resp: 273

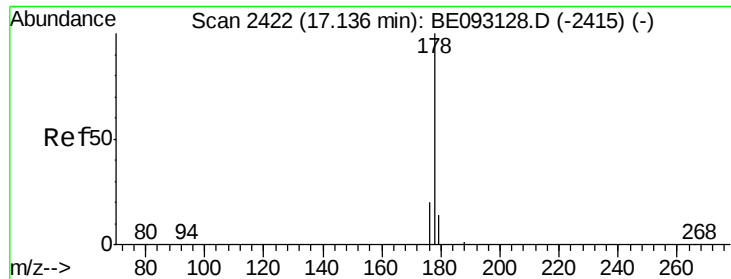
Ion Ratio Lower Upper

266 100

264 62.3 47.9 71.9

268 67.4 49.8 74.8





#12

Phenanthrene

Concen: 3.28 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093138.D

Acq: 13 Jun 2017 19:38

Instrument :

BNA_E

ClientSampleId :

F5C34

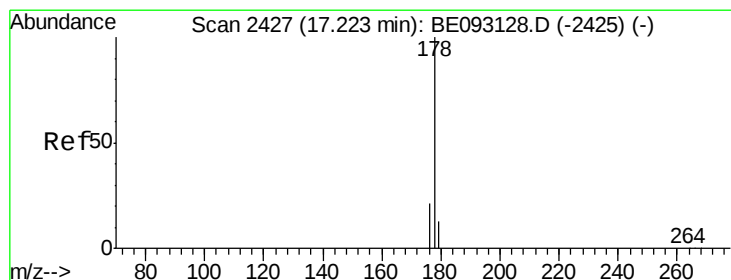
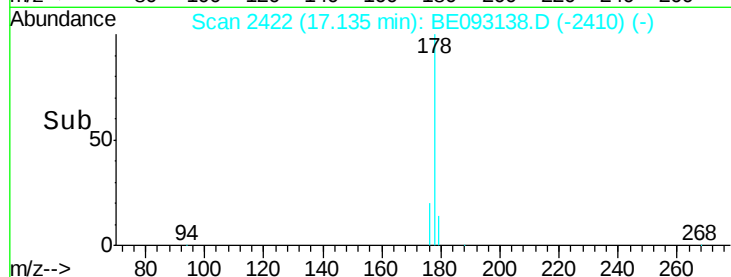
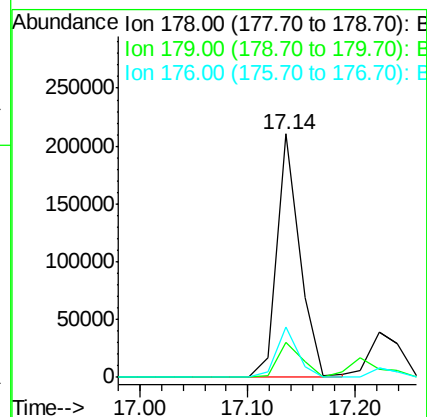
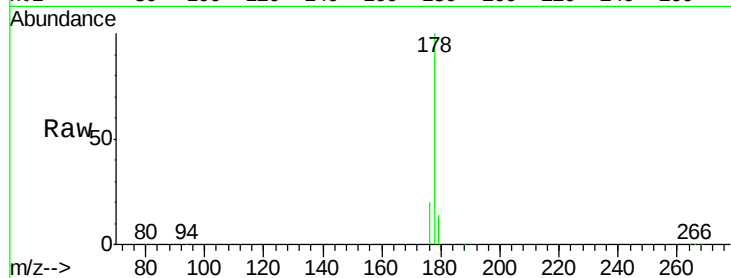
Tgt Ion:178 Resp: 312072

Ion Ratio Lower Upper

178 100

179 14.2 18.4 27.6#

176 20.5 13.6 20.4#



#13

Anthracene

Concen: 0.96 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093138.D

Acq: 13 Jun 2017 19:38

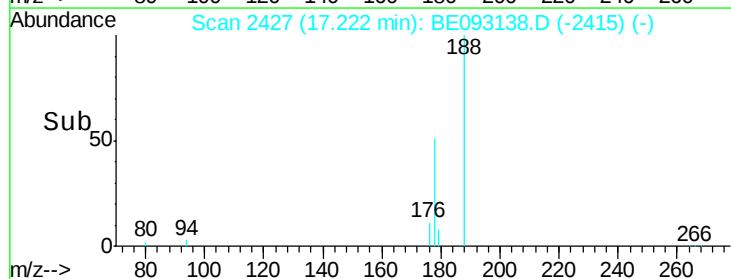
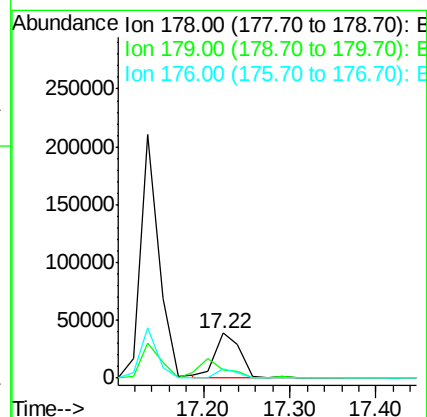
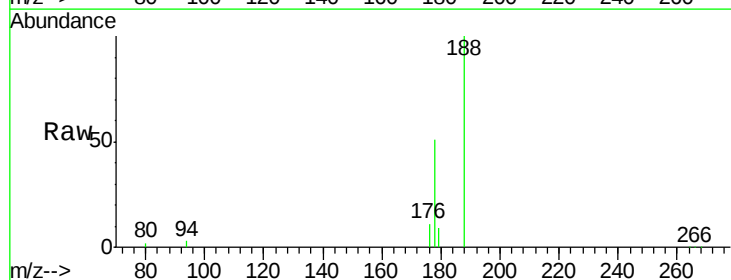
Tgt Ion:178 Resp: 79193

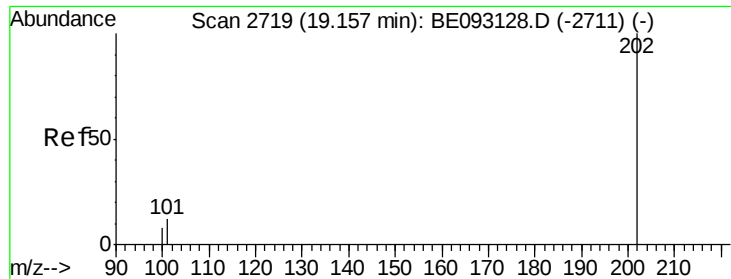
Ion Ratio Lower Upper

178 100

179 16.9 18.1 27.1#

176 22.1 14.7 22.1#

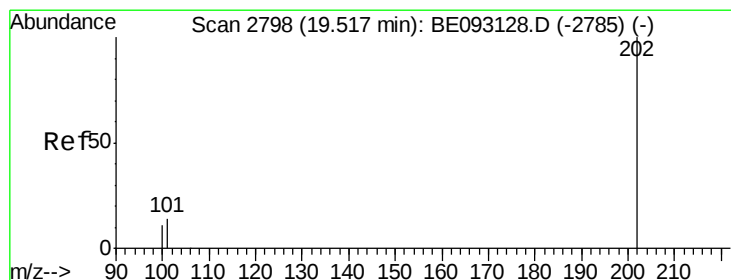
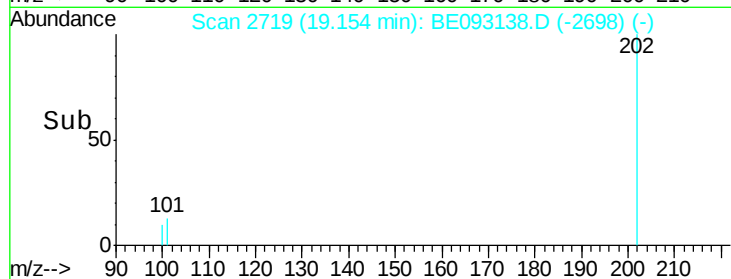
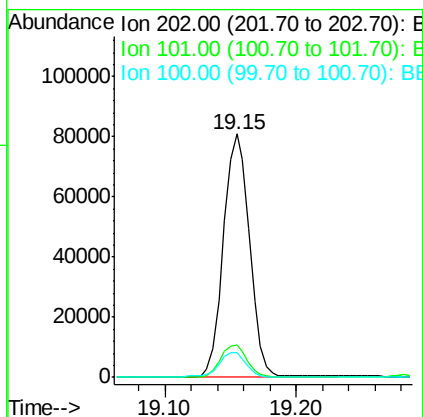
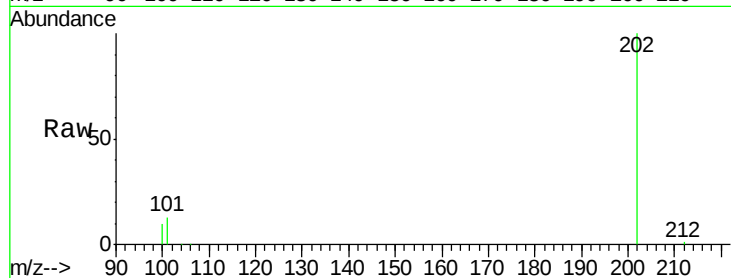




#15
Fluoranthene
Concen: 0.96 ng/ul
RT: 19.15 min Scan# 2719
Delta R.T. -0.00 min
Lab File: BE093138.D
Acq: 13 Jun 2017 19:38

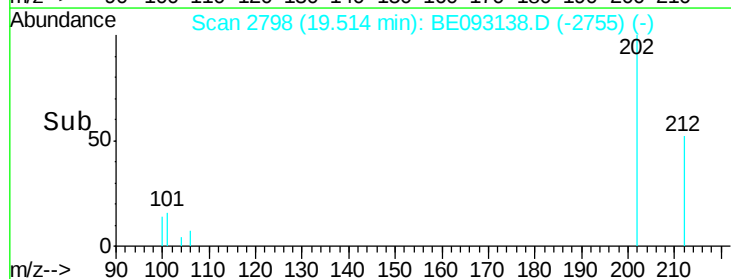
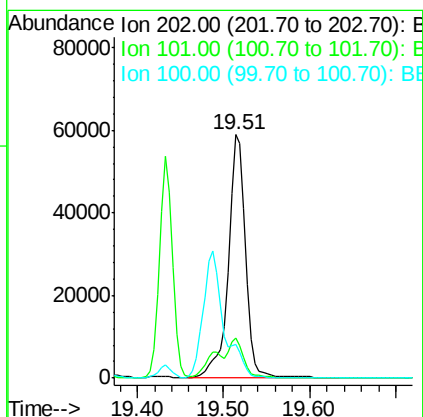
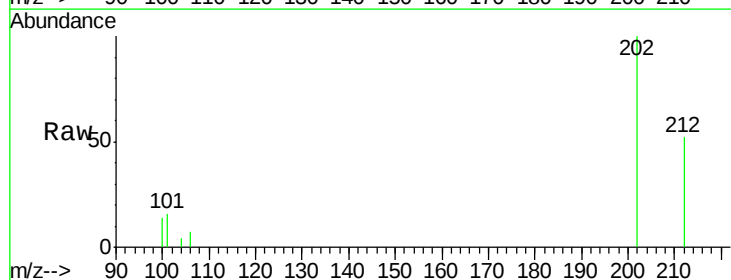
Instrument :
BNA_E
ClientSampleId :
F5C34

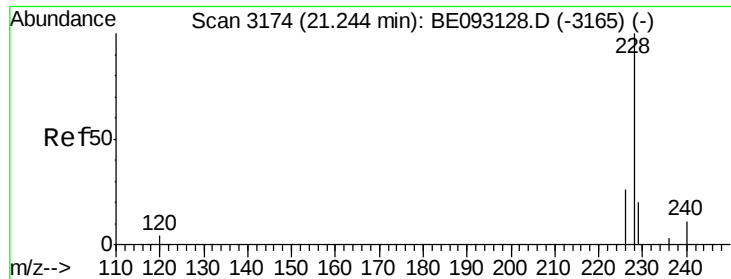
Tgt Ion:202 Resp: 111452
Ion Ratio Lower Upper
202 100
101 13.4 0.0 30.3
100 10.1 0.0 39.5



#17
Pyrene
Concen: 0.76 ng/ul
RT: 19.51 min Scan# 2798
Delta R.T. -0.00 min
Lab File: BE093138.D
Acq: 13 Jun 2017 19:38

Tgt Ion:202 Resp: 82428
Ion Ratio Lower Upper
202 100
101 16.3 18.2 27.4#
100 13.7 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.12 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093138.D

Acq: 13 Jun 2017 19:38

Instrument :

BNA_E

ClientSampleId :

F5C34

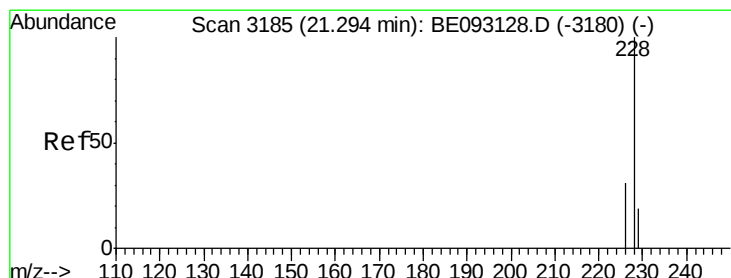
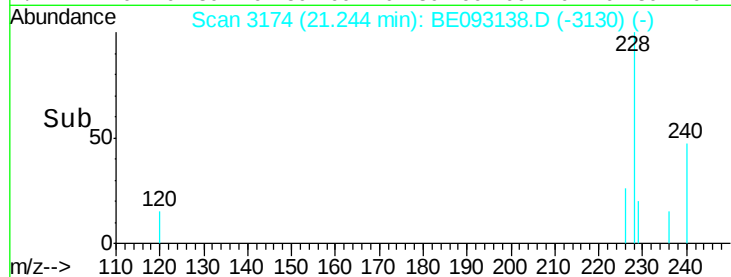
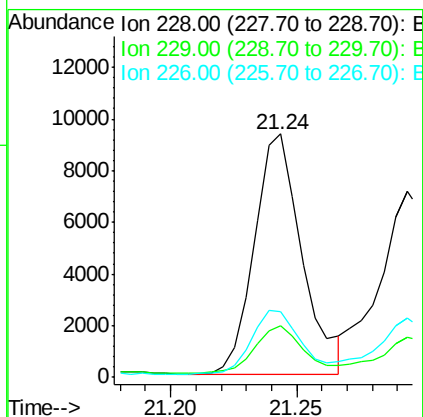
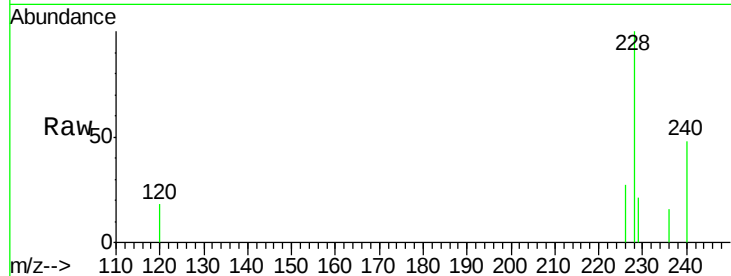
Tgt Ion:228 Resp: 12144

Ion Ratio Lower Upper

228 100

229 21.3 22.8 34.2#

226 26.9 17.0 25.6#



#19

Chrysene

Concen: 0.10 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093138.D

Acq: 13 Jun 2017 19:38

Tgt Ion:228 Resp: 10627

Ion Ratio Lower Upper

228 100

226 32.0 23.4 35.0

229 21.7 17.7 26.5

