

Data File : BE093182.D
Acq On : 14 Jun 2017 22:51
Operator : SJ/MA
Sample : I3520-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B77

Quant Time: Jun 15 04:00:24 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 15 03:59:13 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3654	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	19399	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	12413	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.10
16) Chrysene-d12	21.26	240	29279	0.40	ng/ul	0.00
20) Perylene-d12	23.52	264	1376579	0.40	ng/ul	-0.15

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	7887	0.28	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	21662	0.00	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.57	128	3876	0.08	ng/ul#	96
5) 2-Methylnaphthalene	12.19	142	1139	0.03	ng/ul	97
7) Acenaphthylene	14.09	152	36536	0.69	ng/ul	95
8) Acenaphthene	14.43	153	1587	0.04	ng/ul	96
9) Fluorene	15.42	166	1988	0.04	ng/ul#	91
17) Pyrene	19.52	202	965016	11.18	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	464076	5.94	ng/ul#	85
19) Chrysene	21.30	228	727381	8.98	ng/ul	98
21) Benzo(b)fluoranthene	22.94	252	836259	0.20	ng/ul	87
22) Benzo(k)fluoranthene	22.94	252	1107906	0.25	ng/ul#	89
23) Benzo(a)pyrene	23.46	252	356171	0.09	ng/ul#	84
25) Dibenzo(a,h)anthracene	25.86	278	59040	0.02	ng/ul	95
26) Benzo(g,h,i)perylene	26.96	276	153474	0.04	ng/ul	96

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

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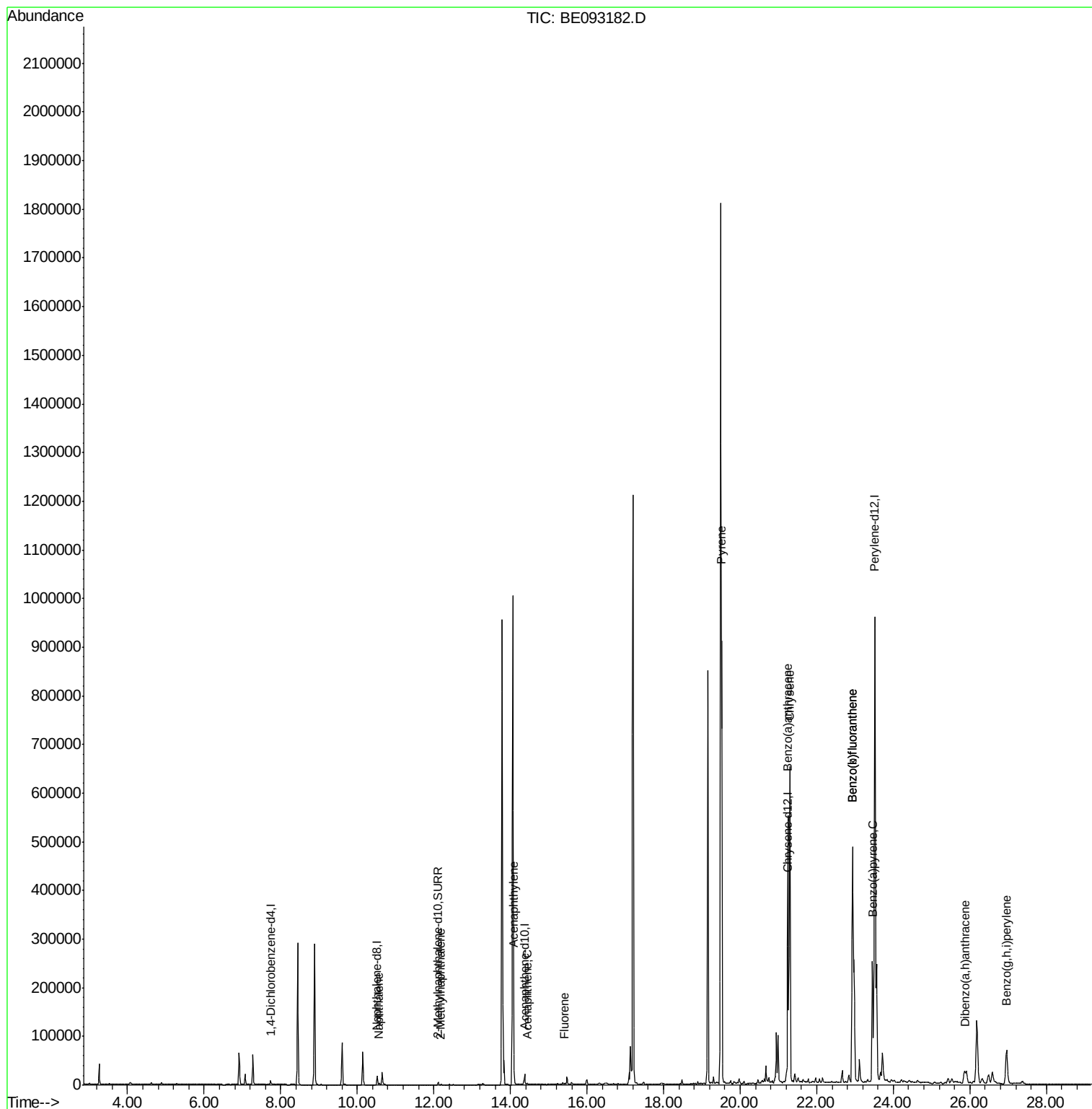
Quant Time: Jun 15 04:00:24 2017

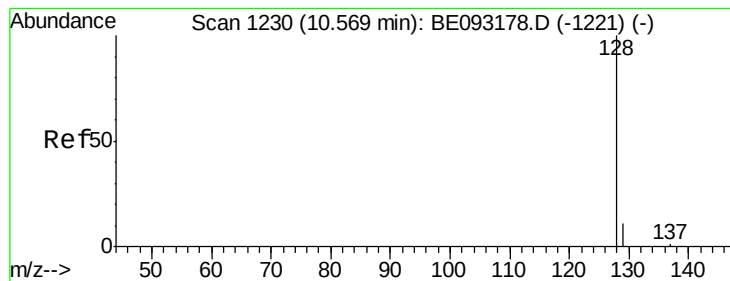
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 15 03:59:13 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.08 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093182.D

Acq: 14 Jun 2017 22:51

Instrument :

BNA_E

ClientSampleId :

F5B77

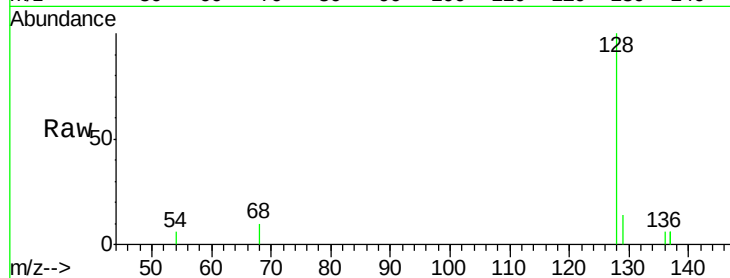
Tgt Ion:128 Resp: 3876

Ion Ratio Lower Upper

128 100

129 13.9 11.3 16.9

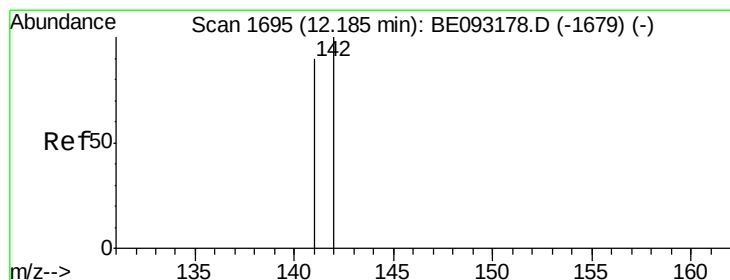
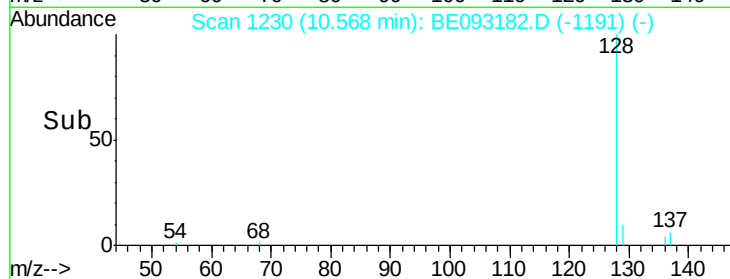
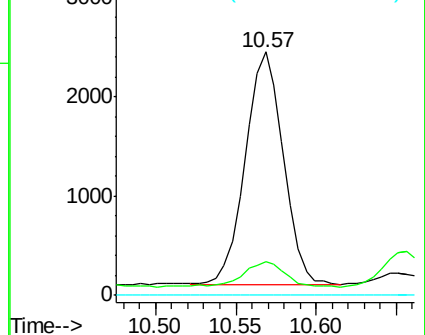
127 0.0 4.0 6.0#



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: 0.03 ng/ul

RT: 12.19 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BE093182.D

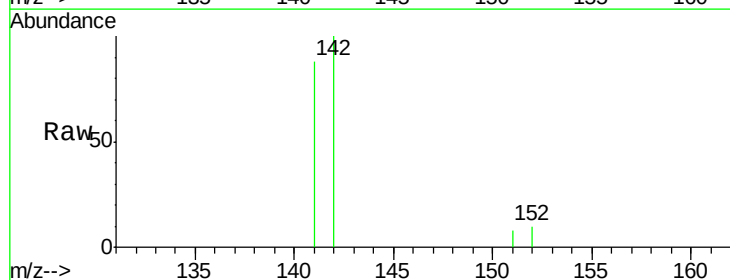
Acq: 14 Jun 2017 22:51

Tgt Ion:142 Resp: 1139

Ion Ratio Lower Upper

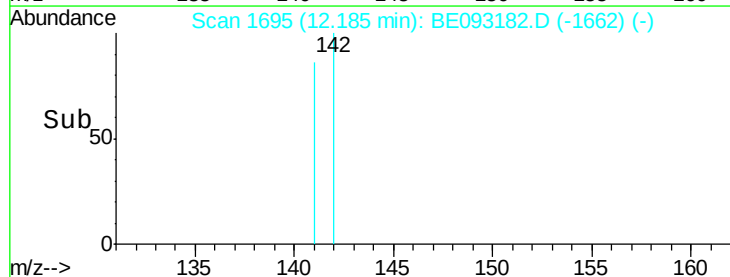
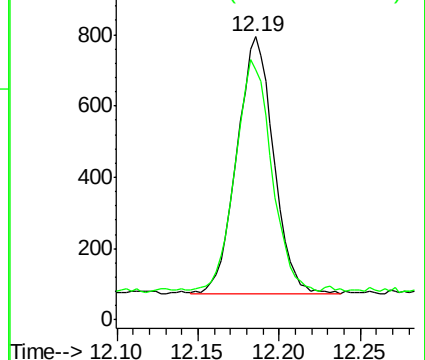
142 100

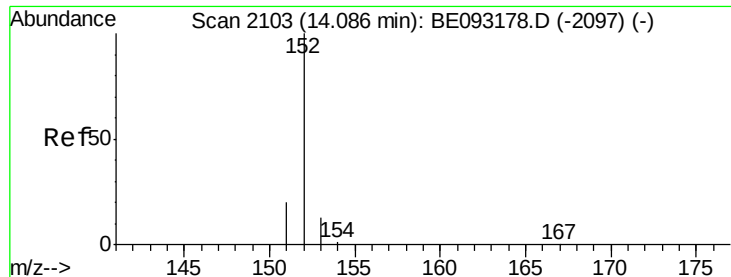
141 88.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.69 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093182.D

Acq: 14 Jun 2017 22:51

Instrument :

BNA_E

ClientSampleId :

F5B77

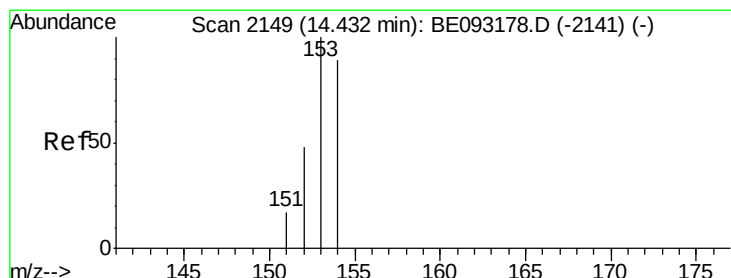
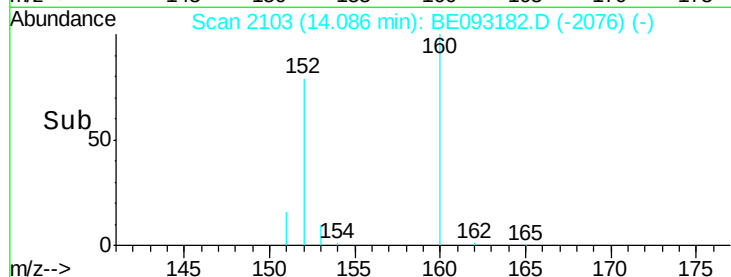
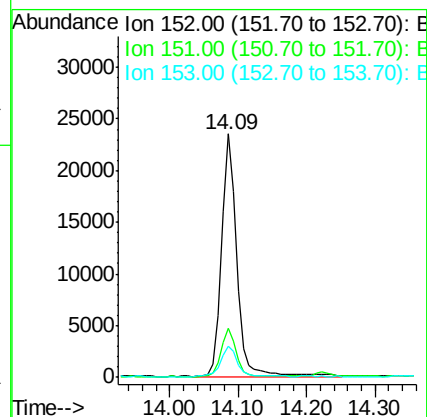
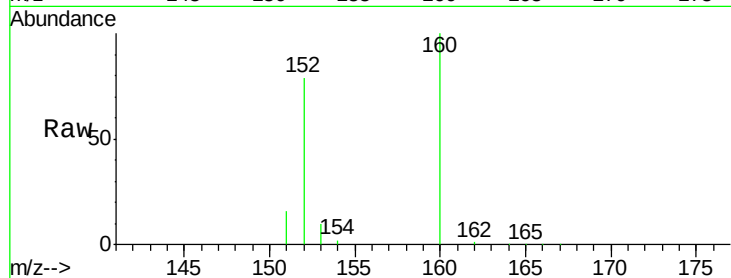
Tgt Ion:152 Resp: 36536

Ion Ratio Lower Upper

152 100

151 20.0 17.1 25.7

153 13.0 12.8 19.2



#8

Acenaphthene

Concen: 0.04 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093182.D

Acq: 14 Jun 2017 22:51

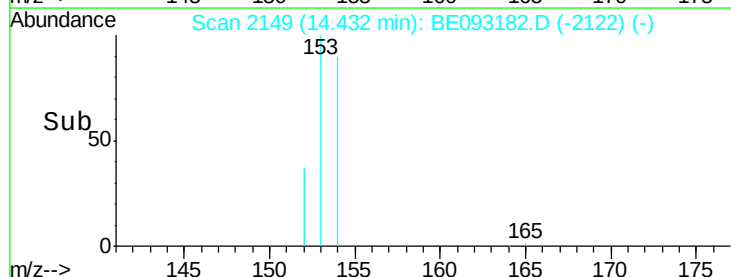
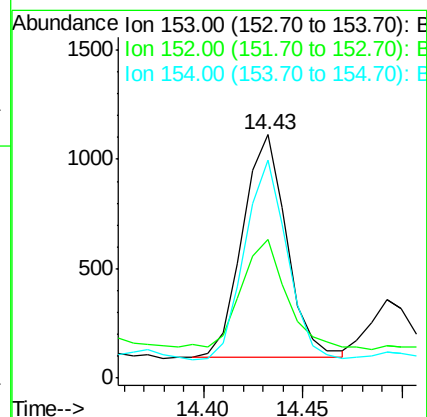
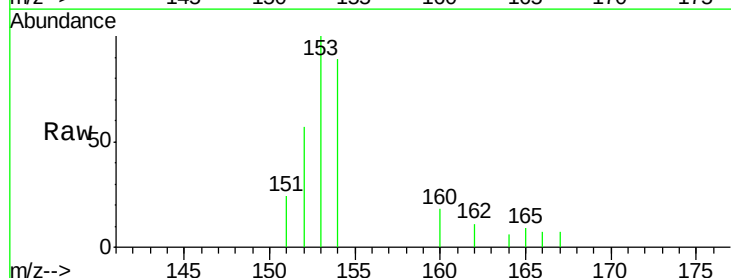
Tgt Ion:153 Resp: 1587

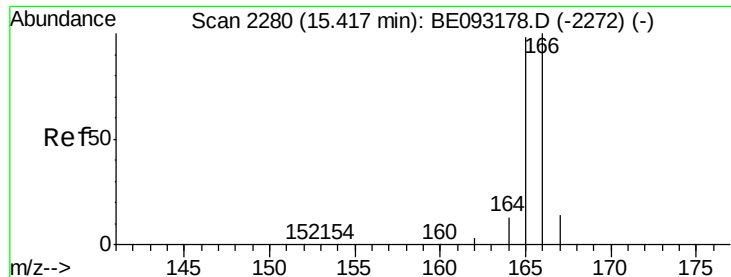
Ion Ratio Lower Upper

153 100

152 57.1 40.3 60.5

154 89.5 71.4 107.2





#9

Fluorene

Concen: 0.04 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093182.D

Acq: 14 Jun 2017 22:51

Instrument :

BNA_E

ClientSampleId :

F5B77

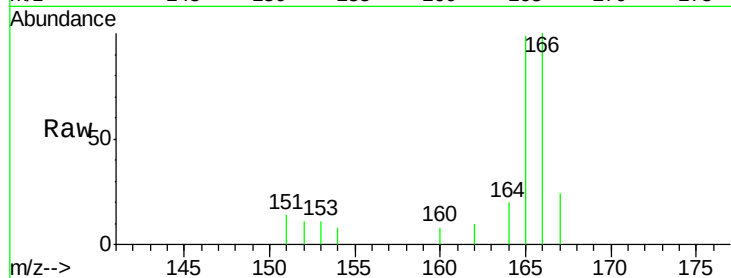
Tgt Ion:166 Resp: 1988

Ion Ratio Lower Upper

166 100

165 99.3 73.4 110.2

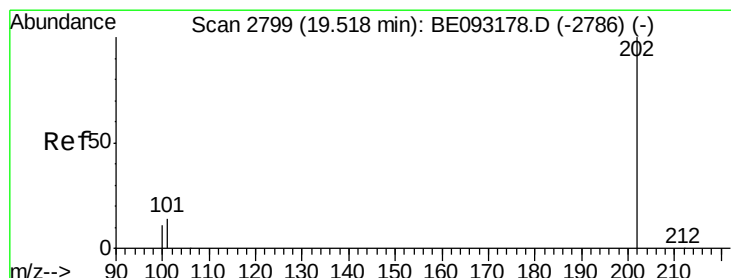
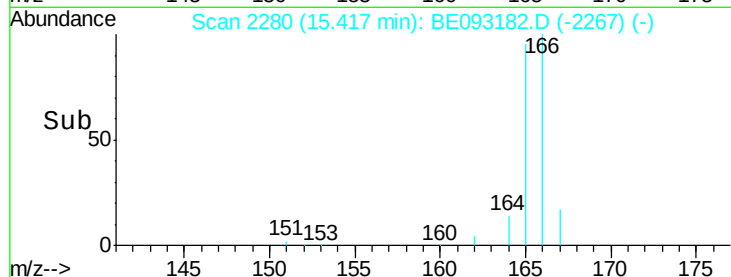
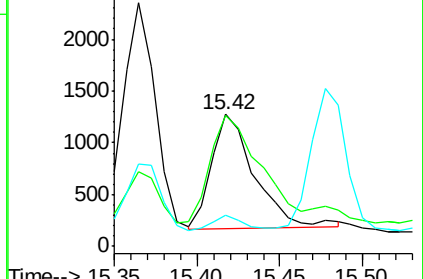
167 24.0 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#17

Pyrene

Concen: 11.18 ng/ul

RT: 19.52 min Scan# 2799

Delta R.T. 0.00 min

Lab File: BE093182.D

Acq: 14 Jun 2017 22:51

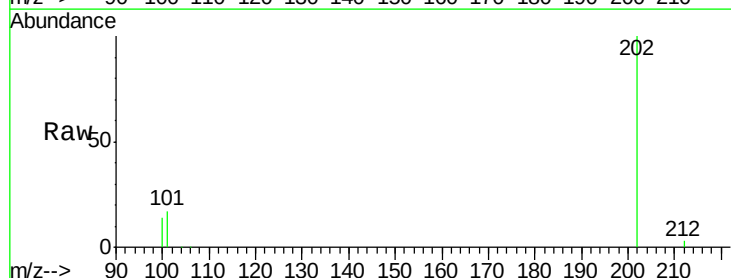
Tgt Ion:202 Resp: 965016

Ion Ratio Lower Upper

202 100

101 16.7 18.2 27.4#

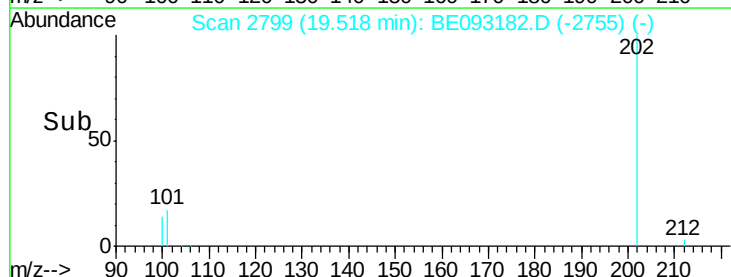
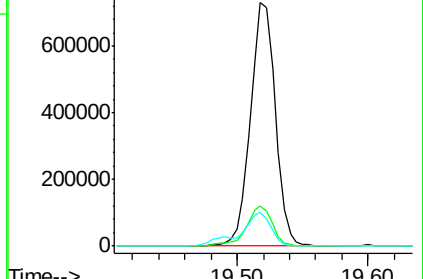
100 13.9 15.6 23.4#

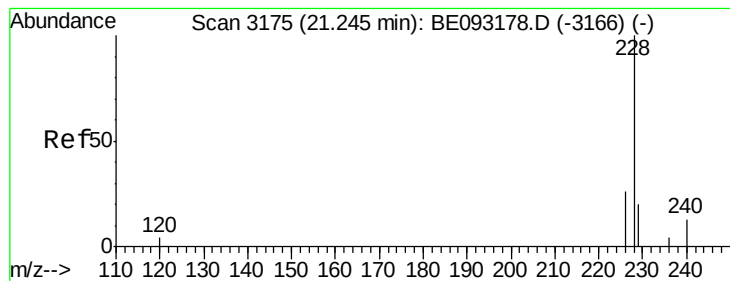


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#18

Benzo(a)anthracene

Concen: 5.94 ng/ul

RT: 21.24 min Scan# 3175

Delta R.T. -0.00 min

Lab File: BE093182.D

Acq: 14 Jun 2017 22:51

Instrument :

BNA_E

ClientSampled :

F5B77

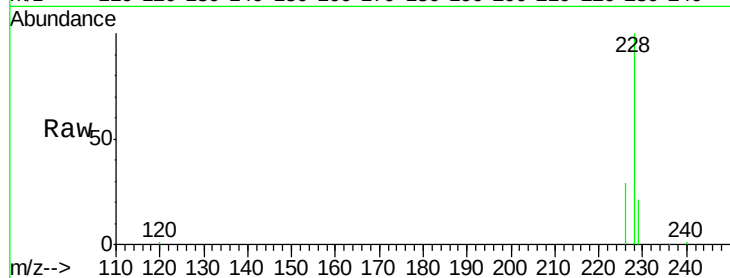
Tgt Ion:228 Resp: 464076

Ion Ratio Lower Upper

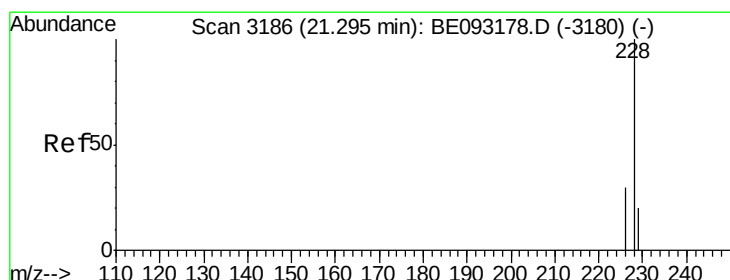
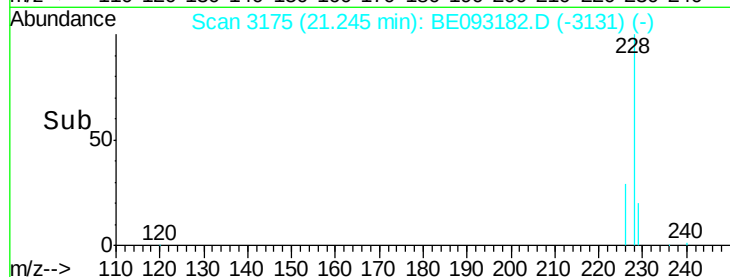
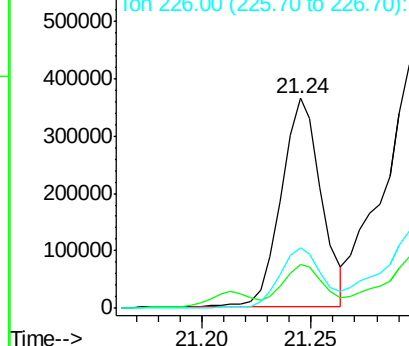
228 100

229 20.8 22.8 34.2#

226 29.1 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: 8.98 ng/ul

RT: 21.30 min Scan# 3187

Delta R.T. 0.00 min

Lab File: BE093182.D

Acq: 14 Jun 2017 22:51

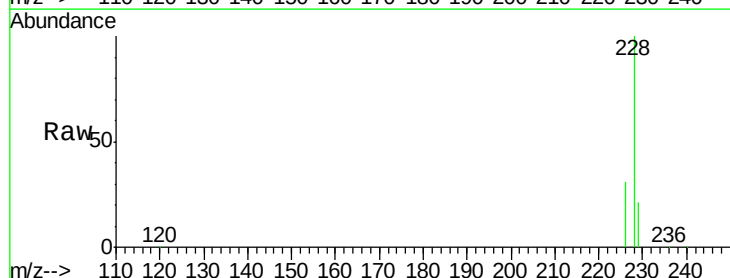
Tgt Ion:228 Resp: 727381

Ion Ratio Lower Upper

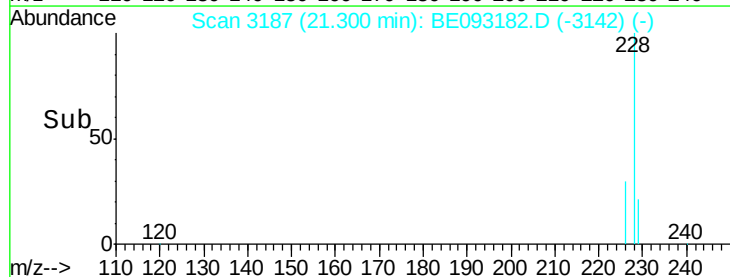
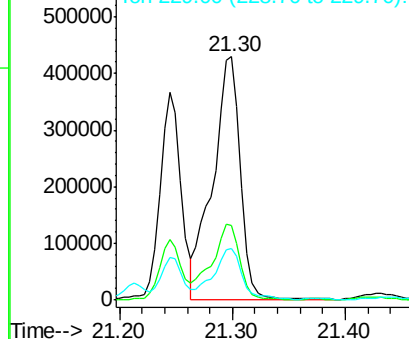
228 100

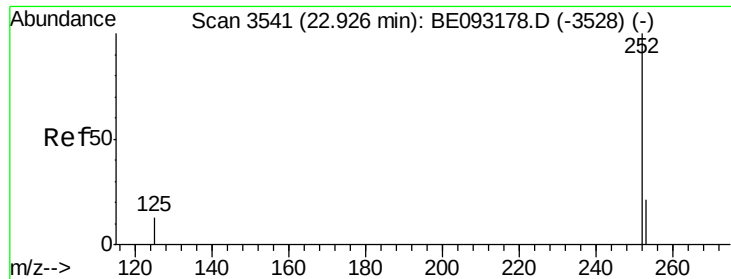
226 30.5 23.4 35.0

229 21.4 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: 0.20 ng/ul

RT: 22.94 min Scan# 3543

Delta R.T. 0.01 min

Lab File: BE093182.D

Acq: 14 Jun 2017 22:51

Instrument :

BNA_E

ClientSampleId :

F5B77

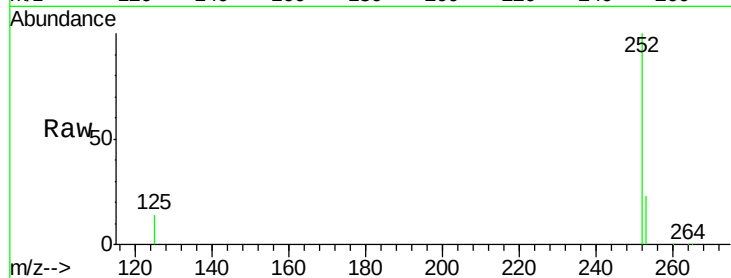
Tgt Ion:252 Resp: 836259

Ion Ratio Lower Upper

252 100

253 23.1 0.0 64.2

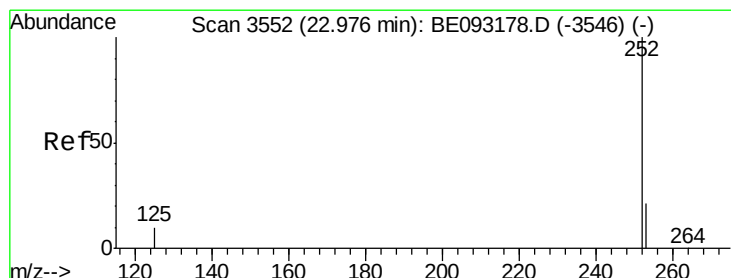
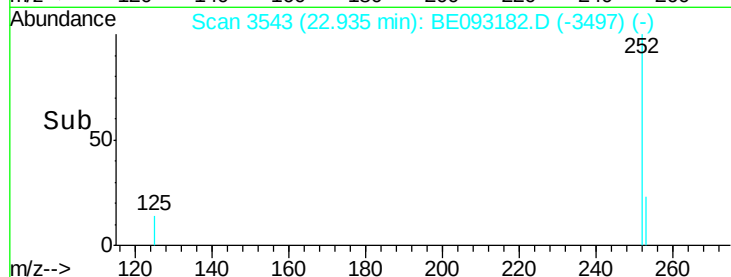
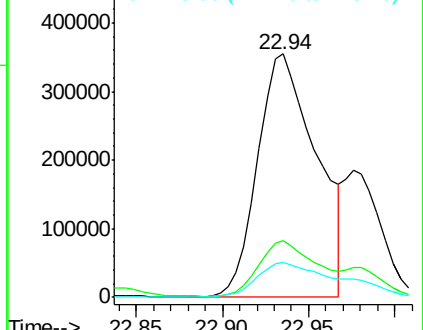
125 14.2 0.0 35.0



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: 0.25 ng/ul

RT: 22.94 min Scan# 3543

Delta R.T. -0.04 min

Lab File: BE093182.D

Acq: 14 Jun 2017 22:51

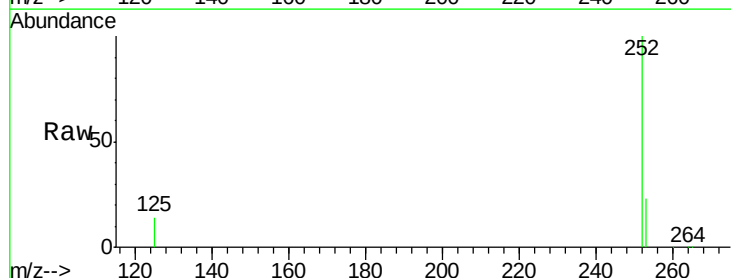
Tgt Ion:252 Resp: 1107906

Ion Ratio Lower Upper

252 100

253 23.1 24.5 36.7#

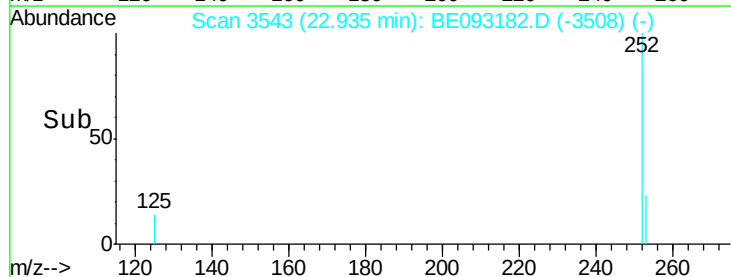
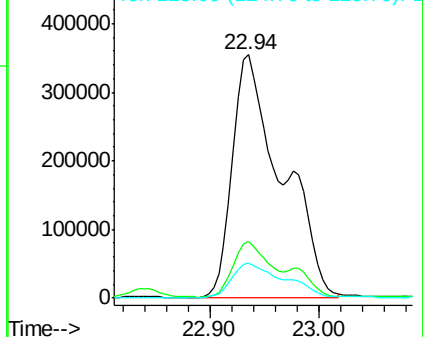
125 14.2 13.7 20.5

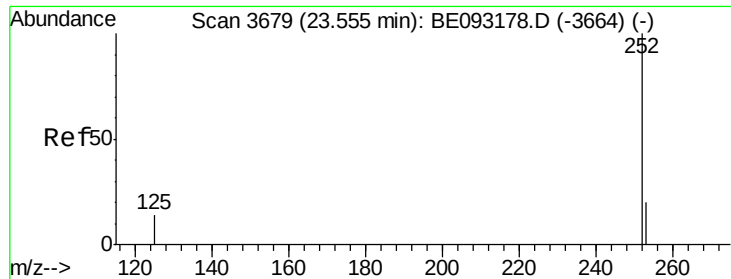


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.09 ng/ul

RT: 23.46 min Scan# 3658

Delta R.T. -0.10 min

Lab File: BE093182.D

Acq: 14 Jun 2017 22:51

Instrument :

BNA_E

ClientSampleId :

F5B77

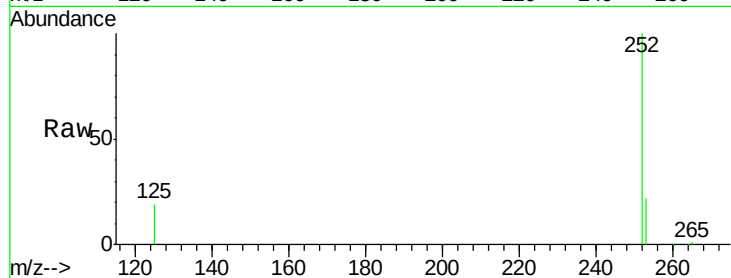
Tgt Ion:252 Resp: 356171

Ion Ratio Lower Upper

252 100

253 22.5 28.5 42.7#

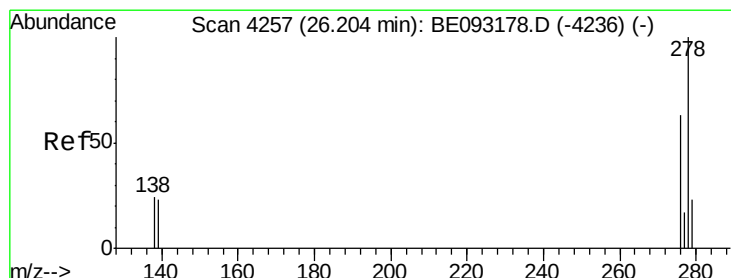
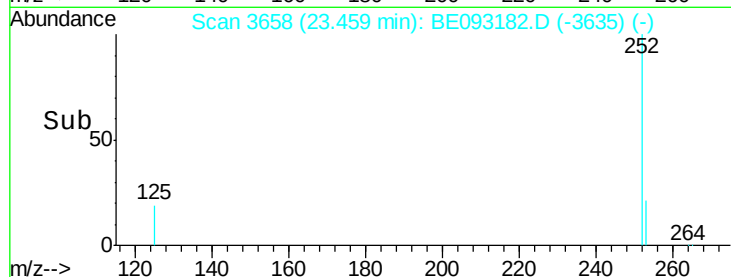
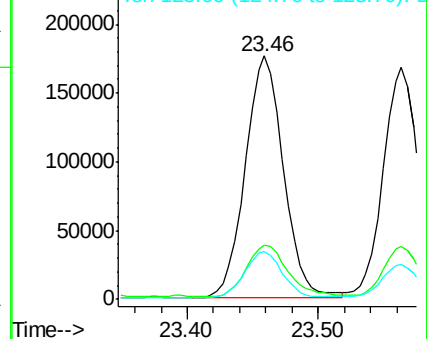
125 19.5 18.1 27.1



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



#25

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 25.86 min Scan# 4182

Delta R.T. -0.34 min

Lab File: BE093182.D

Acq: 14 Jun 2017 22:51

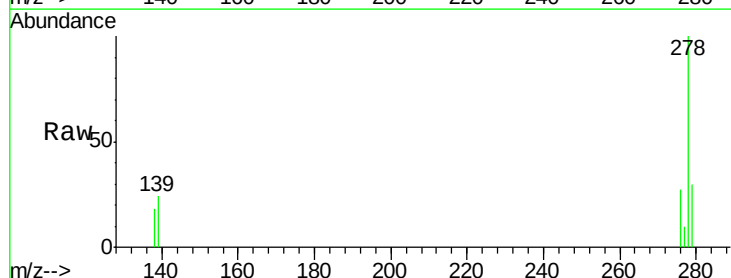
Tgt Ion:278 Resp: 59040

Ion Ratio Lower Upper

278 100

139 24.4 17.4 26.0

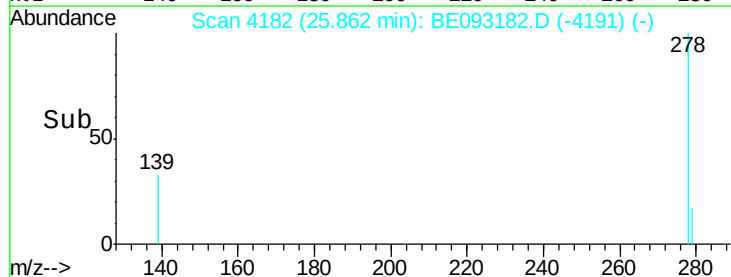
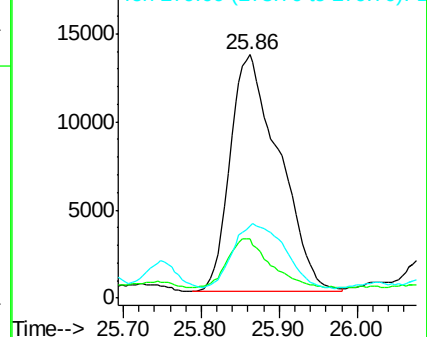
279 29.8 25.9 38.9

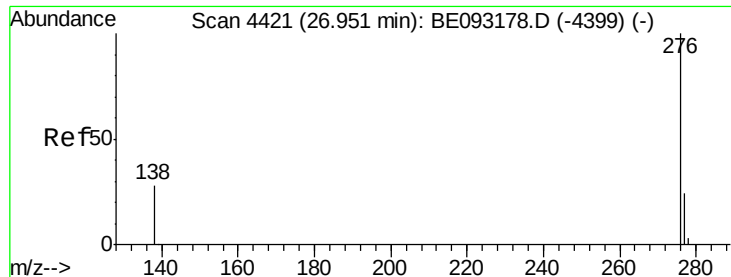


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.04 ng/ul

RT: 26.96 min Scan# 4423

Delta R.T. 0.01 min

Lab File: BE093182.D

Acq: 14 Jun 2017 22:51

Instrument :

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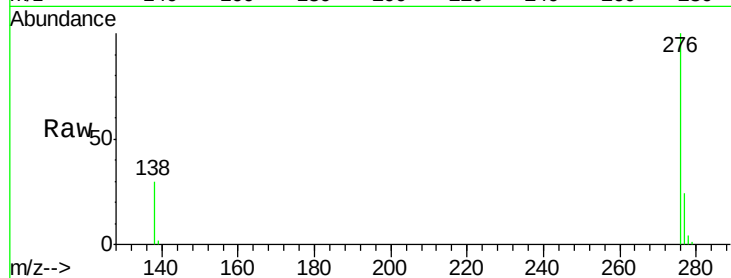
Tgt Ion: 276 Resp: 153474

Ion Ratio Lower Upper

276 100

138 29.5 21.8 32.8

277 24.1 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

