

Data File : BE093191.D
Acq On : 15 Jun 2017 4:22
Operator : SJ/MA
Sample : I3521-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C24

Quant Time: Jun 15 04:52:52 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	3357	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	17602	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	10885	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	25242	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	26654	0.40	ng/ul	0.00
20) Perylene-d12	23.53	264	1000008	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	5650	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	13903	0.20	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	34754	0.80	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	9406	0.31	ng/ul	98
7) Acenaphthylene	14.08	152	229641	4.92	ng/ul	96
8) Acenaphthene	14.43	153	4946	0.13	ng/ul	96
9) Fluorene	15.42	166	11485	0.26	ng/ul	92
12) Phenanthrene	17.14	178	183255	2.64	ng/ul#	87
13) Anthracene	17.22	178	404432	6.69	ng/ul#	85
15) Fluoranthene	19.16	202	2157971	25.34	ng/ul	84
17) Pyrene	19.52	202	2421312	30.80	ng/ul#	88
18) Benzo(a)anthracene	21.25	228	1302045	18.31	ng/ul#	83
19) Chrysene	21.30	228	1756531	23.82	ng/ul	98
21) Benzo(b)fluoranthene	22.95	252	2617847	0.86	ng/ul	88
22) Benzo(k)fluoranthene	22.95	252	3579699	1.11	ng/ul#	90
23) Benzo(a)pyrene	23.47	252	1299583	0.45	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.93	276	186977	0.06	ng/ul#	70
25) Dibenzo(a,h)anthracene	26.11	278	28872	0.01	ng/ul	95
26) Benzo(g,h,i)perylene	26.99	276	750156	0.26	ng/ul	97

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

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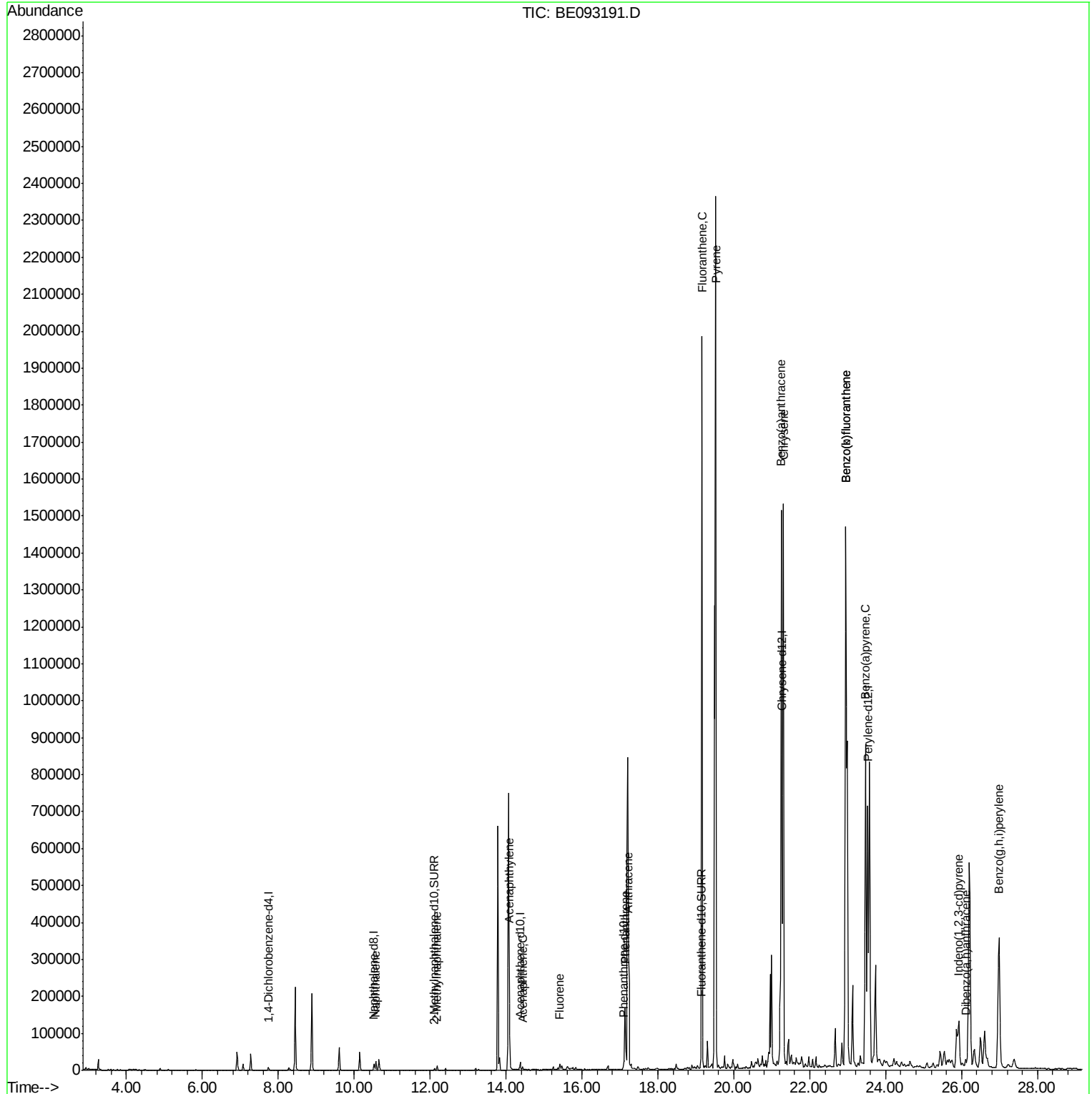
Quant Time: Jun 15 04:52:52 2017

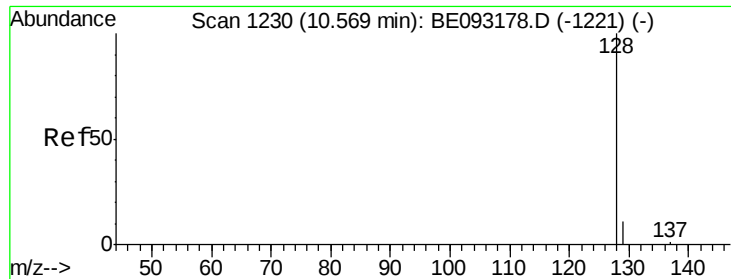
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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#3

Naphthalene

Concen: 0.80 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

Instrument :

BNA_E

ClientSampleId :

F5C24

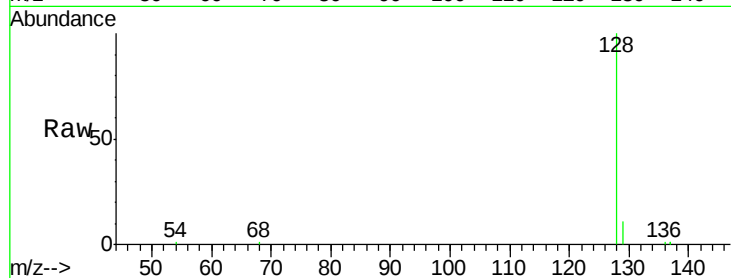
Tgt Ion:128 Resp: 34754

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9#

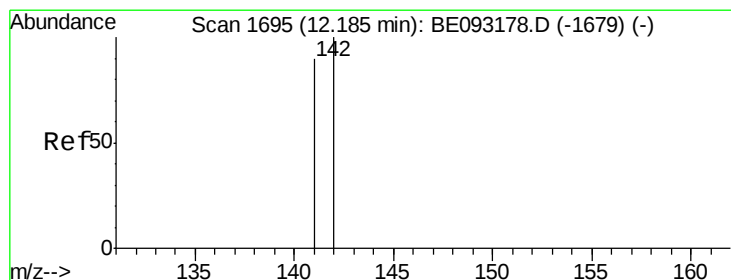
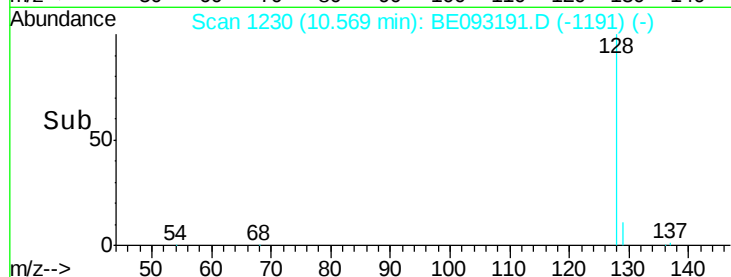
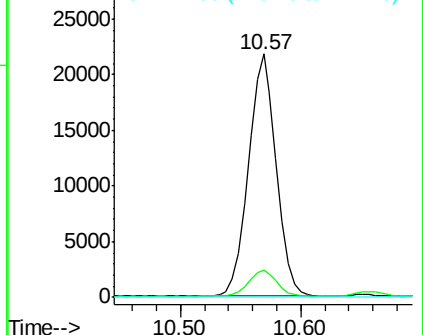
127 0.0 4.0 6.0#



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: 0.31 ng/ul

RT: 12.18 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BE093191.D

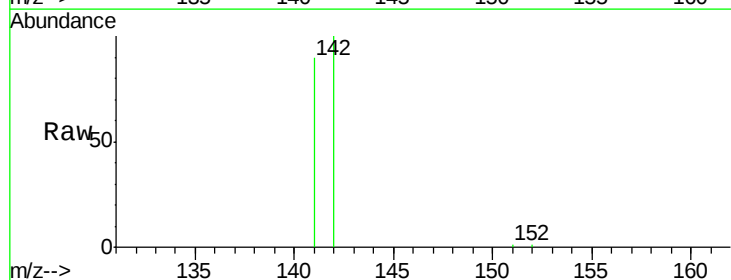
Acq: 15 Jun 2017 4:22

Tgt Ion:142 Resp: 9406

Ion Ratio Lower Upper

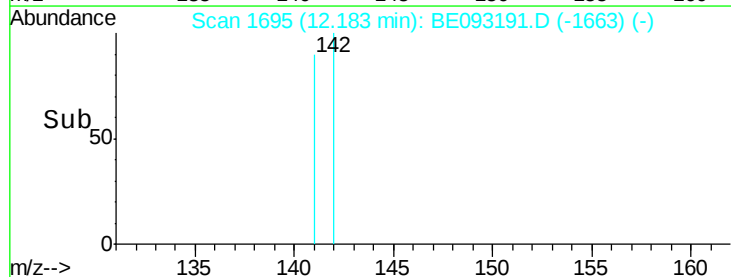
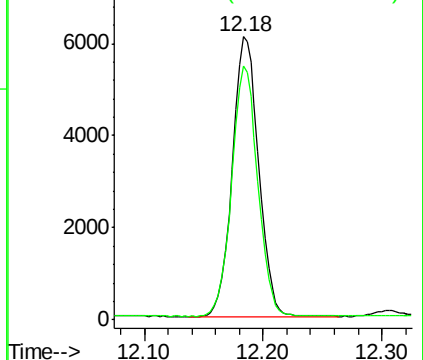
142 100

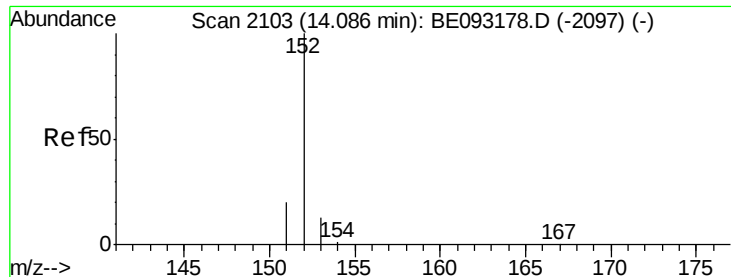
141 88.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 4.92 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

Instrument :

BNA_E

ClientSampleId :

F5C24

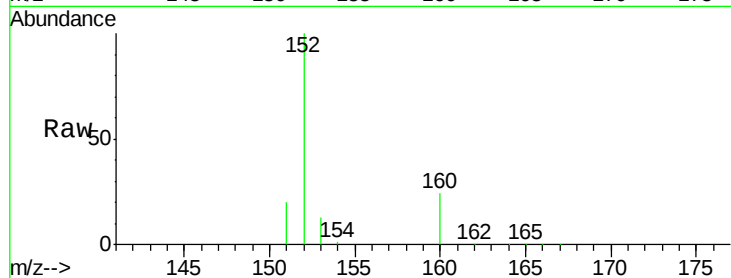
Tgt Ion:152 Resp: 229641

Ion Ratio Lower Upper

152 100

151 20.4 17.1 25.7

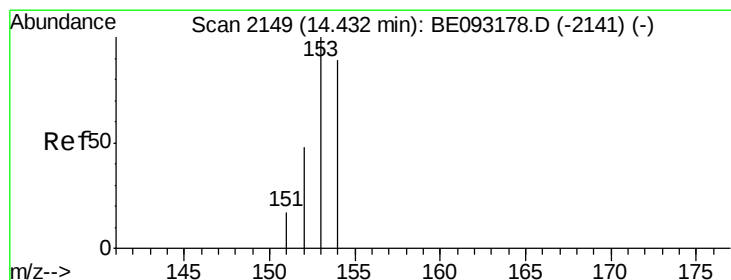
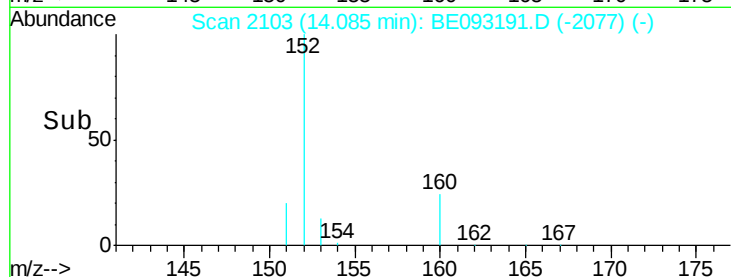
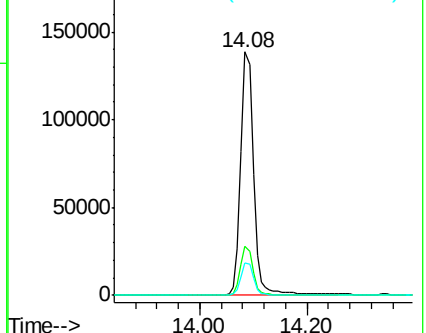
153 13.1 12.8 19.2



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: 0.13 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

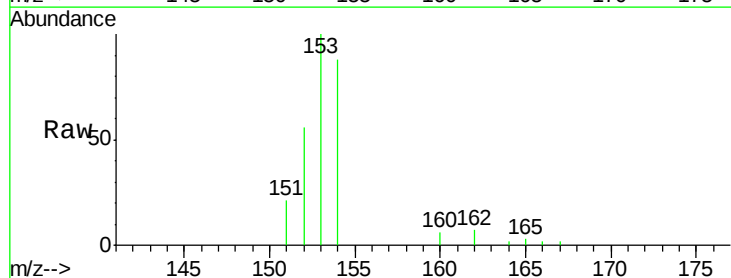
Tgt Ion:153 Resp: 4946

Ion Ratio Lower Upper

153 100

152 55.9 40.3 60.5

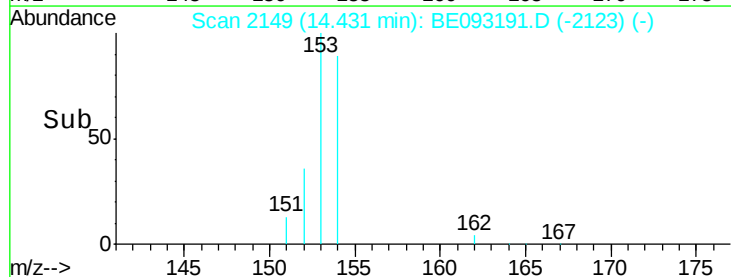
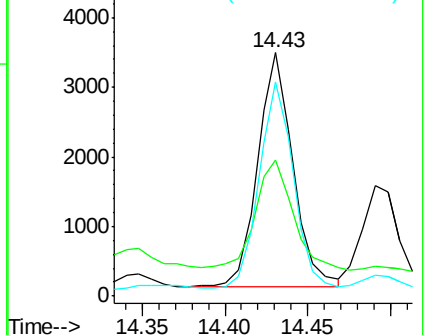
154 87.7 71.4 107.2

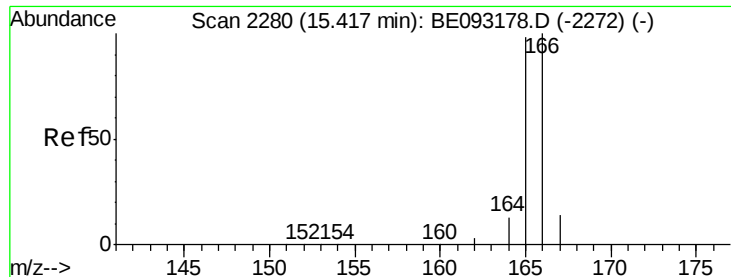


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.26 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

Instrument :

BNA_E

ClientSampleId :

F5C24

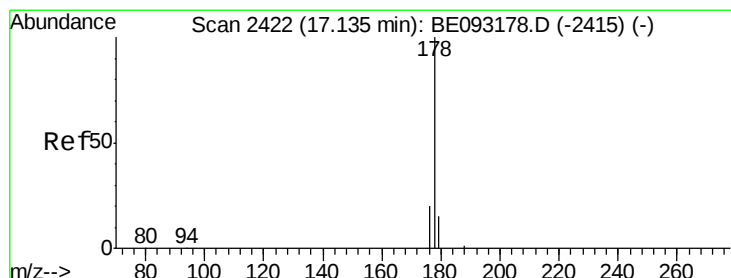
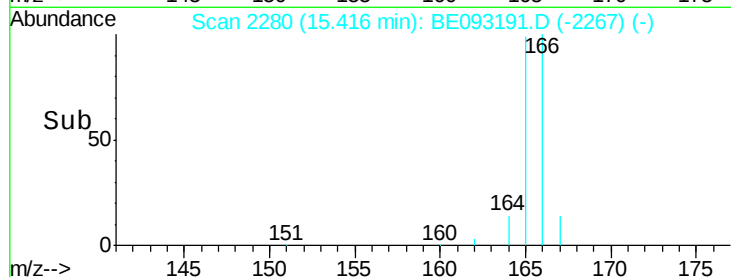
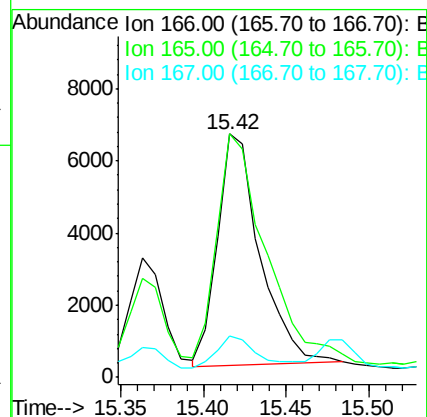
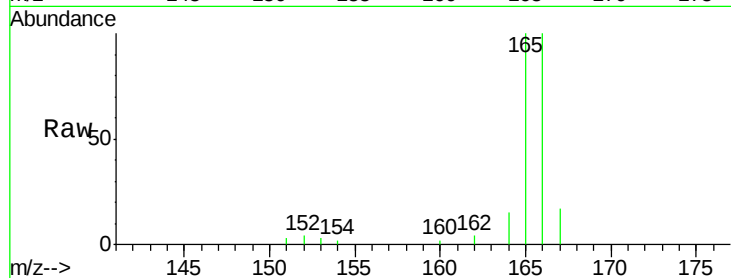
Tgt Ion:166 Resp: 11485

Ion Ratio Lower Upper

166 100

165 100.1 73.4 110.2

167 16.8 14.6 22.0



#12

Phenanthrene

Concen: 2.64 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

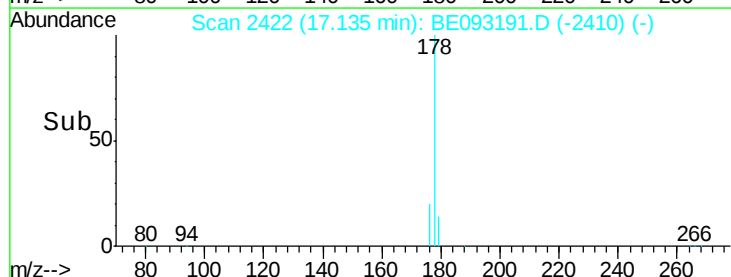
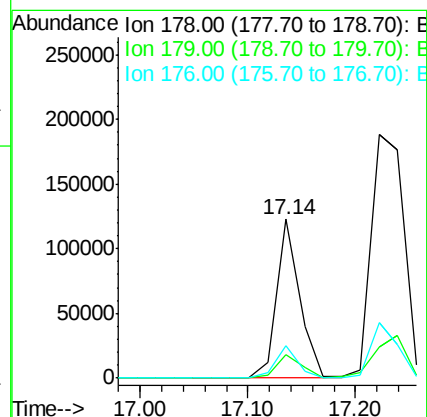
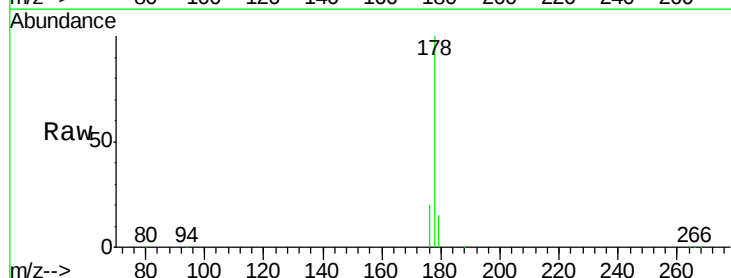
Tgt Ion:178 Resp: 183255

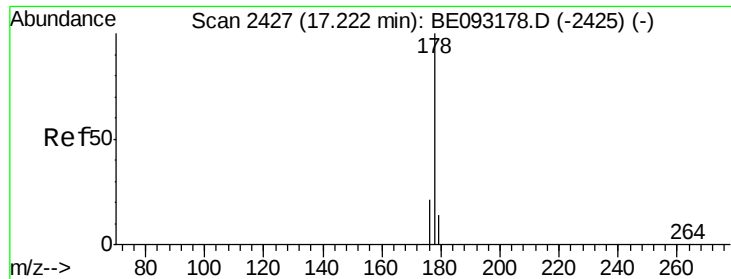
Ion Ratio Lower Upper

178 100

179 14.8 18.4 27.6#

176 20.5 13.6 20.4#





#13

Anthracene

Concen: 6.69 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

Instrument :

BNA_E

ClientSampleId :

F5C24

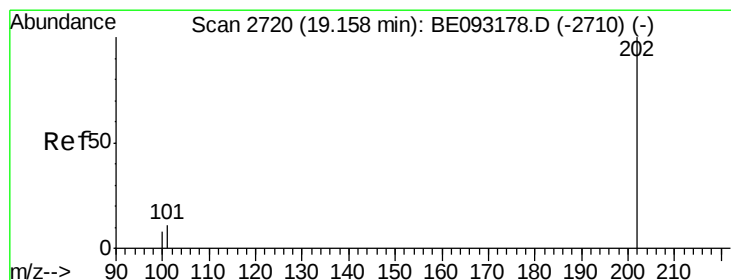
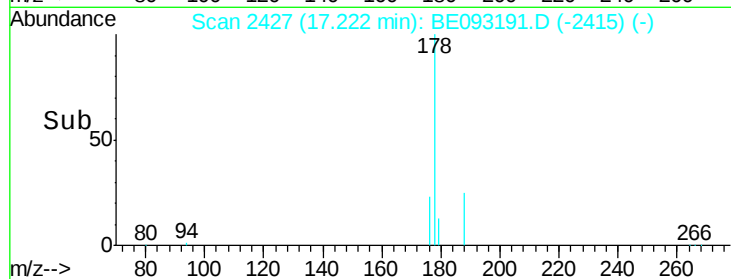
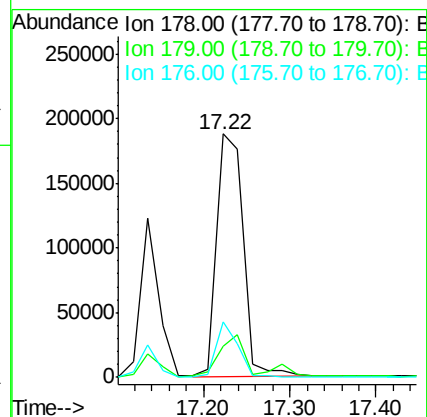
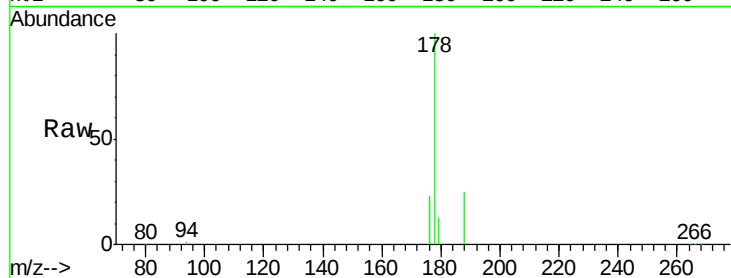
Tgt Ion:178 Resp: 404432

Ion Ratio Lower Upper

178 100

179 13.0 18.1 27.1#

176 22.8 14.7 22.1#



#15

Fluoranthene

Concen: 25.34 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. 0.00 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

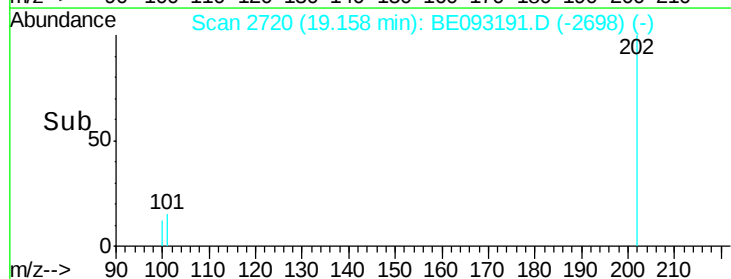
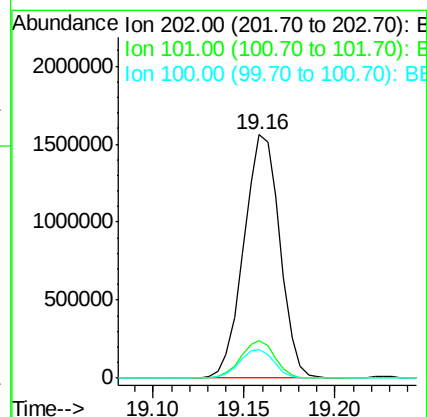
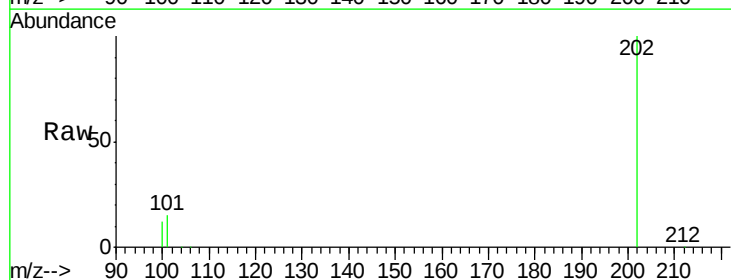
Tgt Ion:202 Resp: 2157971

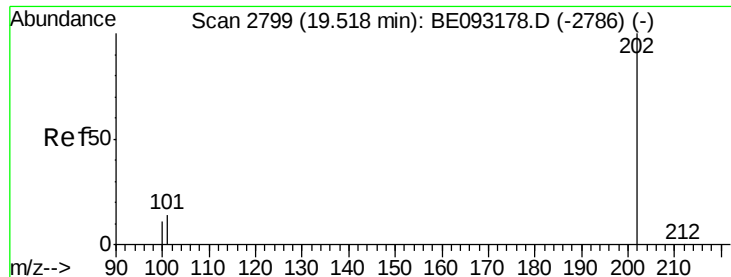
Ion Ratio Lower Upper

202 100

101 15.4 0.0 30.3

100 11.7 0.0 39.5





#17

Pyrene

Concen: 30.80 ng/ul

RT: 19.52 min Scan# 2800

Delta R.T. 0.01 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

Instrument :

BNA_E

ClientSampleId :

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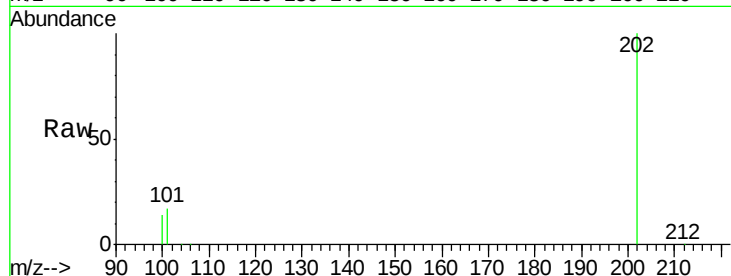
Tgt Ion:202 Resp: 2421312

Ion Ratio Lower Upper

202 100

101 17.1 18.2 27.4#

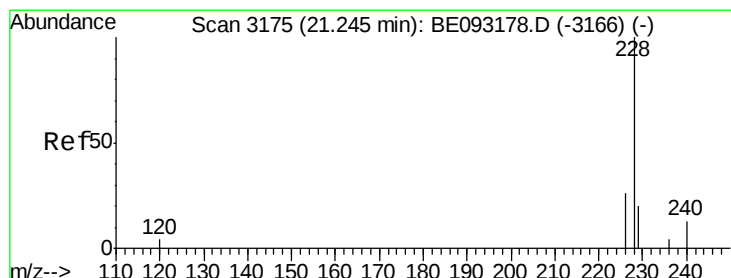
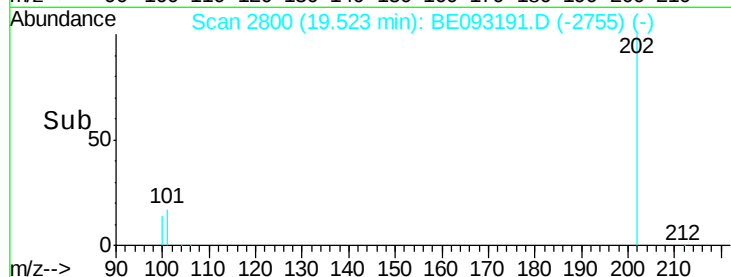
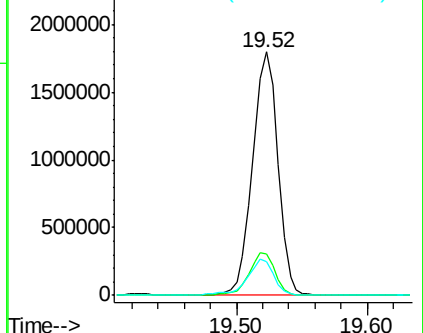
100 13.9 15.6 23.4#



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: 18.31 ng/ul

RT: 21.25 min Scan# 3176

Delta R.T. 0.00 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

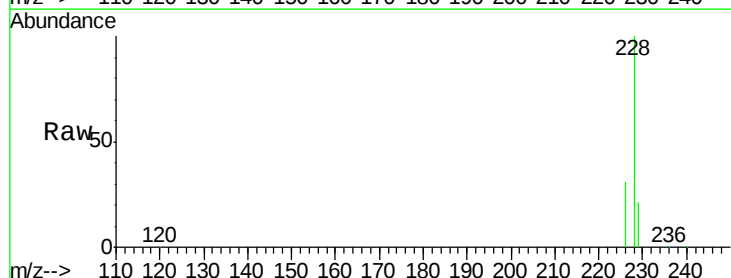
Tgt Ion:228 Resp: 1302045

Ion Ratio Lower Upper

228 100

229 21.2 22.8 34.2#

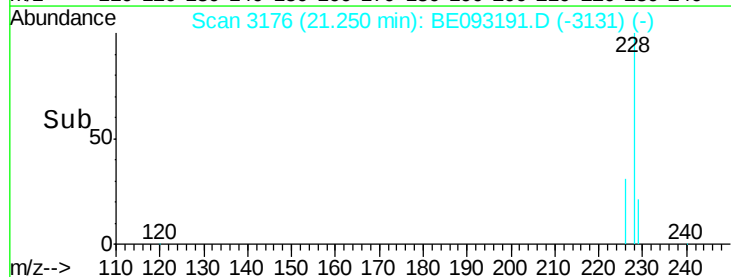
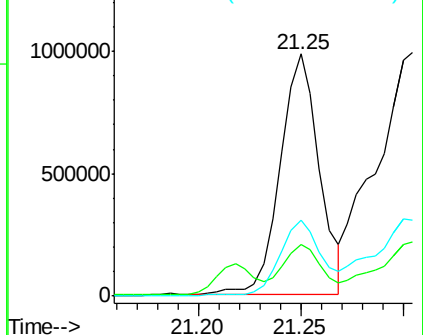
226 31.1 17.0 25.6#

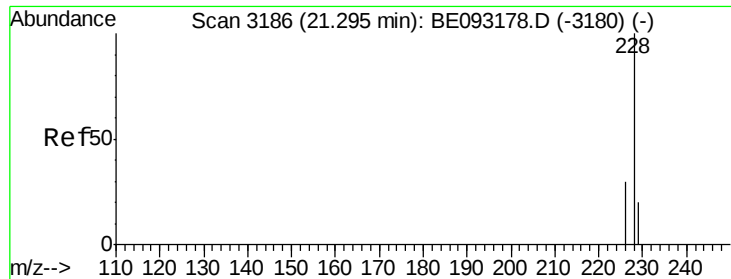


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 23.82 ng/u1

RT: 21.30 min Scan# 3188

Delta R.T. 0.01 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

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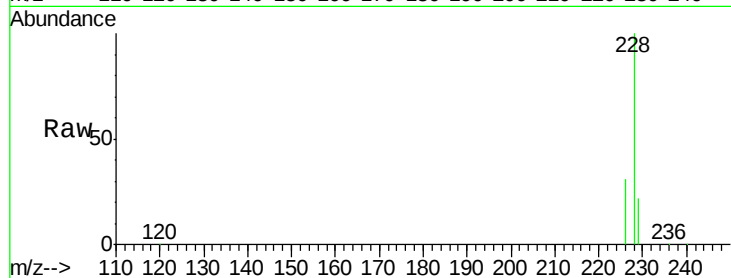
Tgt Ion:228 Resp: 1756531

Ion Ratio Lower Upper

228 100

226 31.4 23.4 35.0

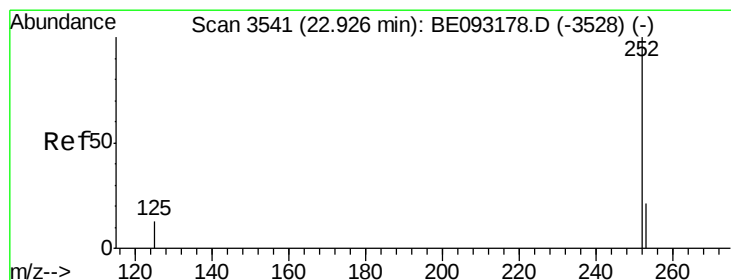
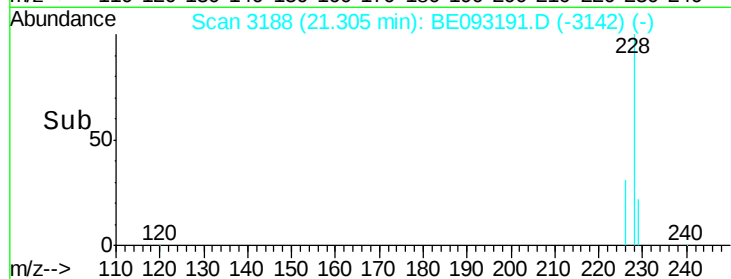
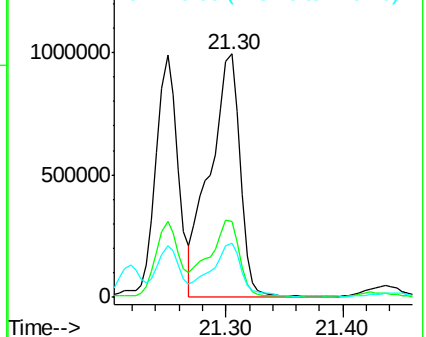
229 22.3 17.7 26.5



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: 0.86 ng/u1

RT: 22.95 min Scan# 3546

Delta R.T. 0.02 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

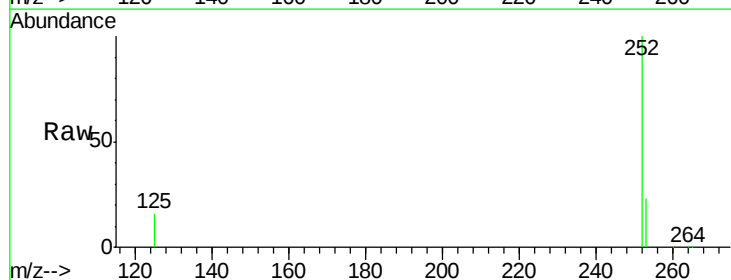
Tgt Ion:252 Resp: 2617847

Ion Ratio Lower Upper

252 100

253 23.4 0.0 64.2

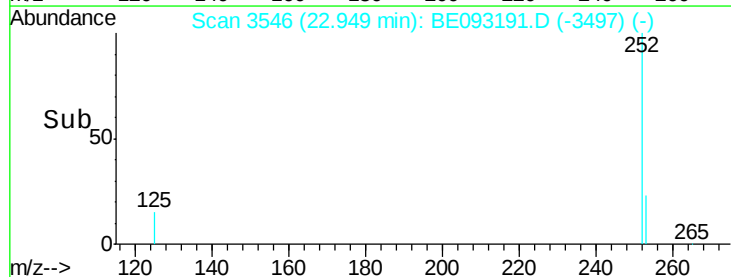
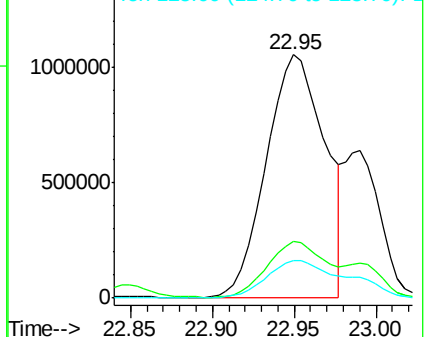
125 15.6 0.0 35.0

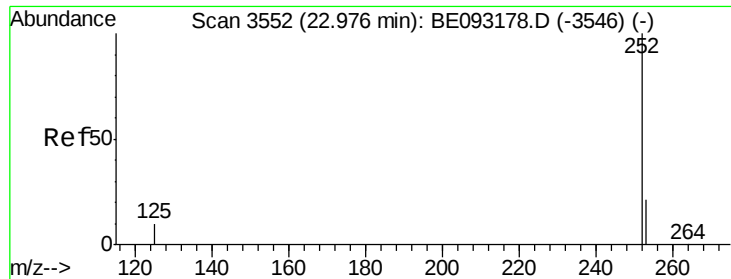


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.11 ng/u1

RT: 22.95 min Scan# 3546

Delta R.T. -0.03 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

Instrument :

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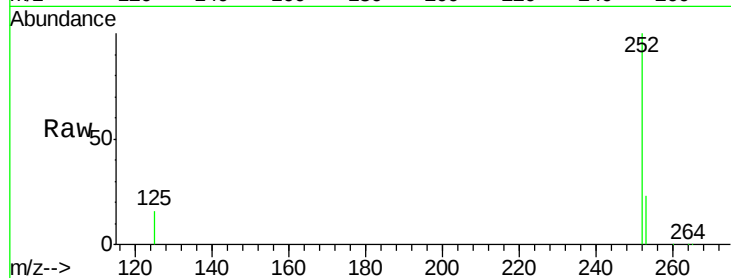
Tgt Ion:252 Resp: 3579699

Ion Ratio Lower Upper

252 100

253 23.4 24.5 36.7#

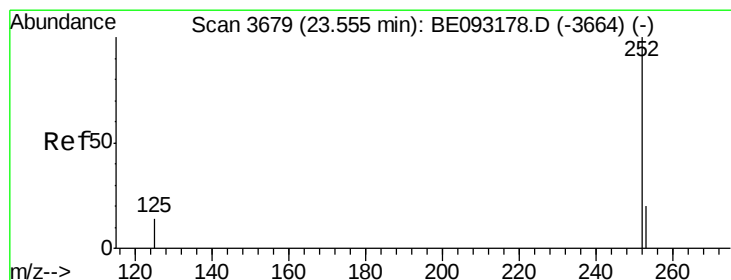
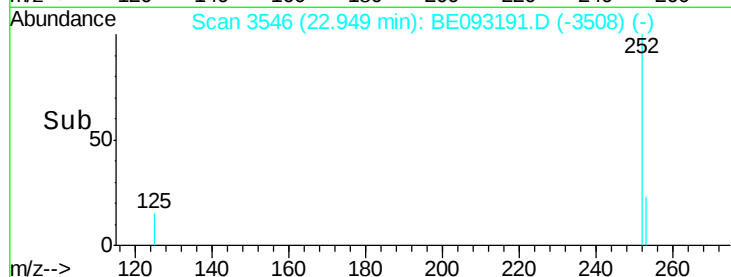
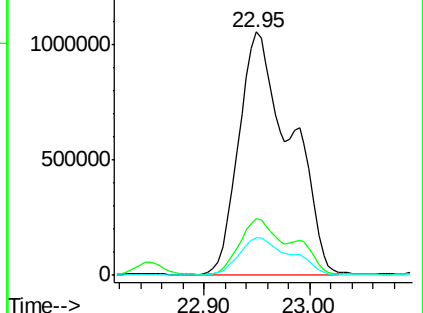
125 15.6 13.7 20.5



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: 0.45 ng/u1

RT: 23.47 min Scan# 3660

Delta R.T. -0.09 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

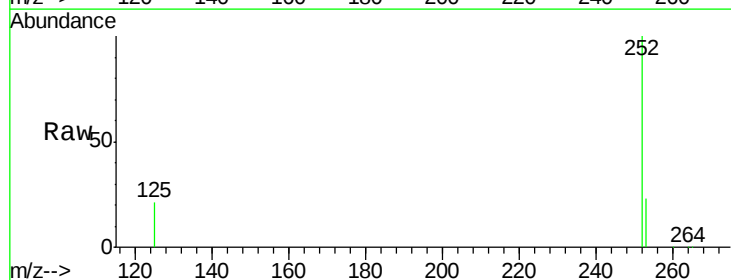
Tgt Ion:252 Resp: 1299583

Ion Ratio Lower Upper

252 100

253 23.0 28.5 42.7#

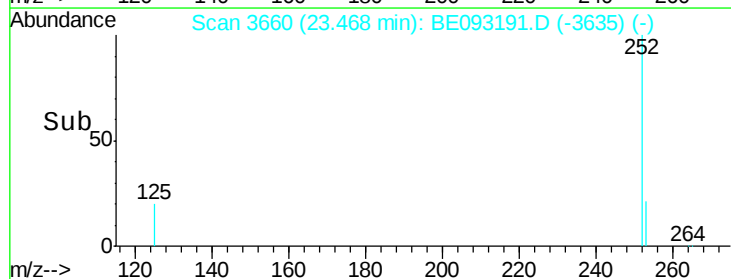
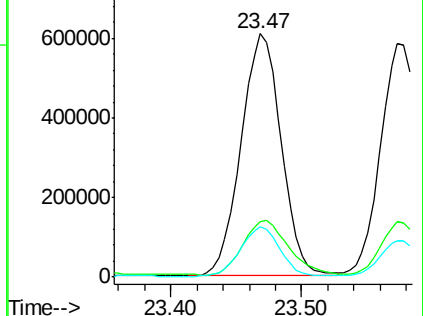
125 20.5 18.1 27.1

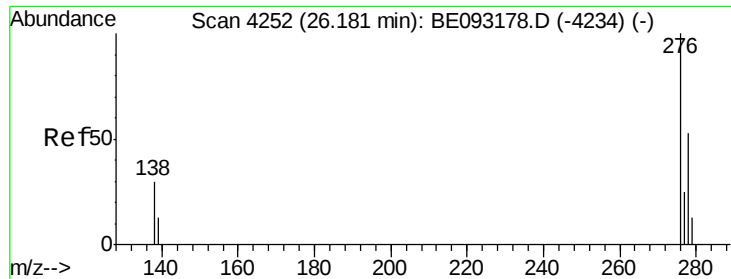


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng/ul

RT: 25.93 min Scan# 4197

Delta R.T. -0.25 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

Instrument :

BNA_E

ClientSampleId :

F5C24

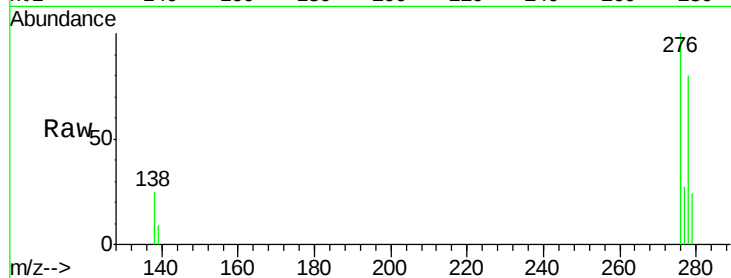
Tgt Ion:276 Resp: 186977

Ion Ratio Lower Upper

276 100

138 16.7 28.0 42.0#

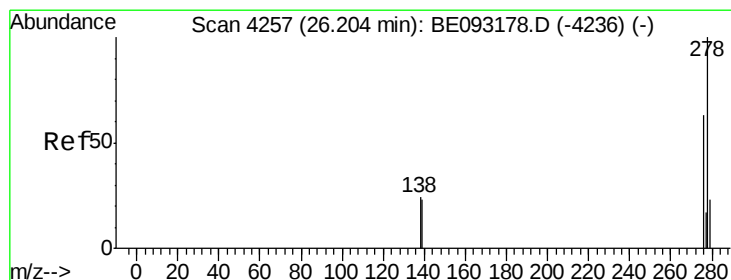
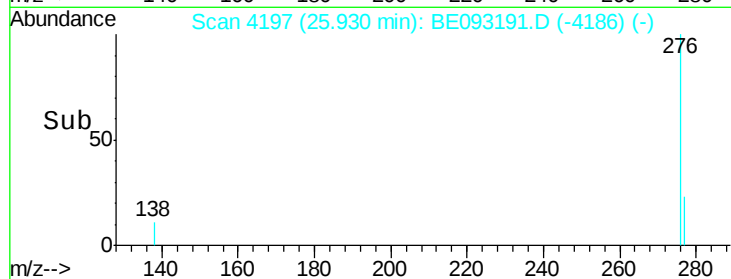
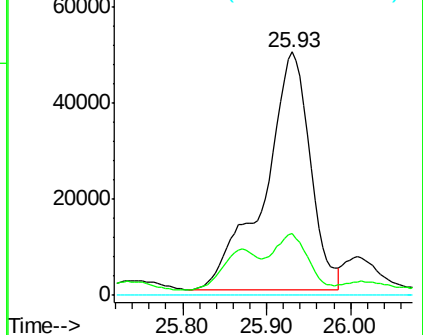
227 0.0 8.0 12.0#



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: 0.01 ng/ul

RT: 26.11 min Scan# 4236

Delta R.T. -0.10 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

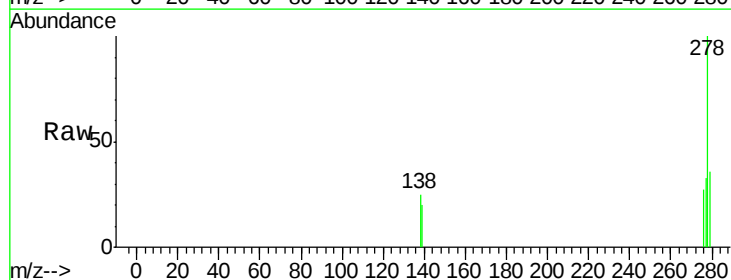
Tgt Ion:278 Resp: 28872

Ion Ratio Lower Upper

278 100

139 19.7 17.4 26.0

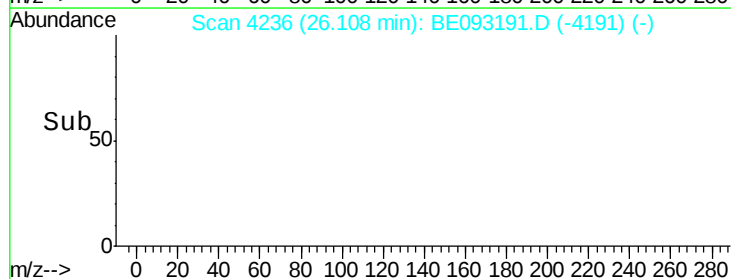
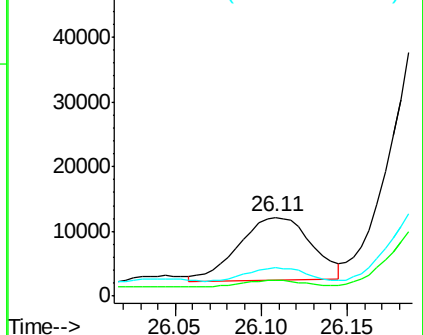
279 35.7 25.9 38.9

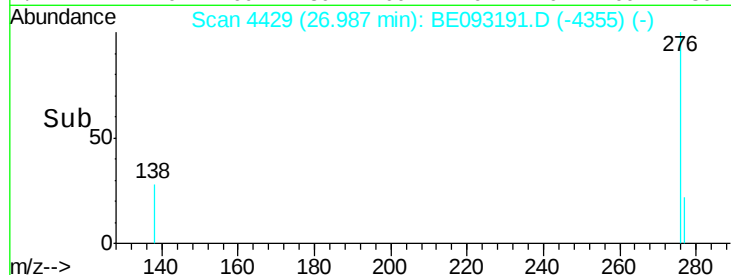
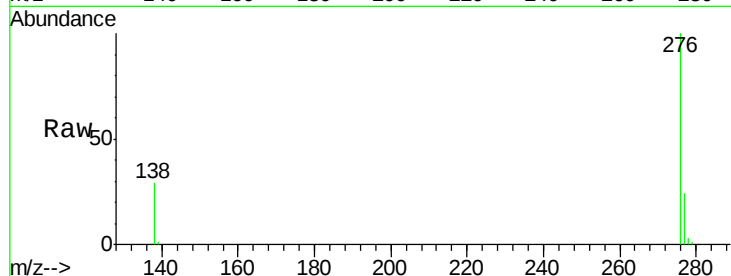
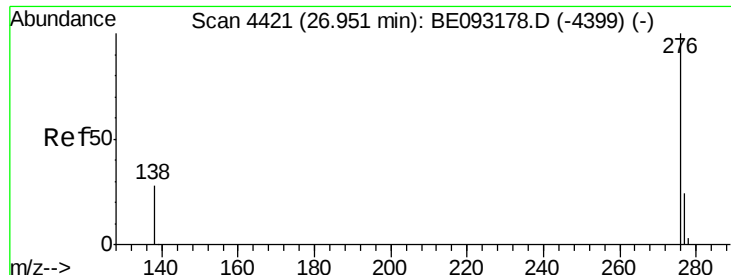


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.26 ng/ul

RT: 26.99 min Scan# 4429

Delta R.T. 0.04 min

Lab File: BE093191.D

Acq: 15 Jun 2017 4:22

Instrument :

BNA_E

ClientSampleId :

F5C24

Tgt Ion:276 Resp: 750156

Ion Ratio Lower Upper

276 100

138 29.2 21.8 32.8

277 24.1 20.5 30.7

