

Data File : BE093346.D
Acq On : 23 Jun 2017 20:46
Operator : SJ/JU
Sample : I3627-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A09

Quant Time: Jun 24 04:29:48 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 24 04:29:07 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1648	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	8791	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5531	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	12894	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13785	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	558729	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	2971	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	7969	0.23	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	29565	1.36	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	5239	0.35	ng/ul	98
7) Acenaphthylene	14.08	152	48641	2.05	ng/ul	96
8) Acenaphthene	14.42	153	7636	0.40	ng/ul	97
9) Fluorene	15.41	166	14118	0.63	ng/ul	91
11) Pentachlorophenol	16.75	266	22	0.01	ng/ul#	77
12) Phenanthrene	17.13	178	106484	3.00	ng/ul#	90
13) Anthracene	17.22	178	57874	1.87	ng/ul#	89
15) Fluoranthene	19.15	202	255502	5.87	ng/ul	83
17) Pyrene	19.51	202	427118	10.51	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	257596	7.01	ng/ul#	83
19) Chrysene	21.30	228	356689	9.35	ng/ul	97
21) Benzo(b)fluoranthene	22.94	252	589834	0.35	ng/ul	86
22) Benzo(k)fluoranthene	22.94	252	796792	0.44	ng/ul#	88
23) Benzo(a)pyrene	23.45	252	307452	0.19	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.92	276	42812	0.02	ng/ul#	69
26) Benzo(g,h,i)perylene	26.96	276	171163	0.11	ng/ul	97

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

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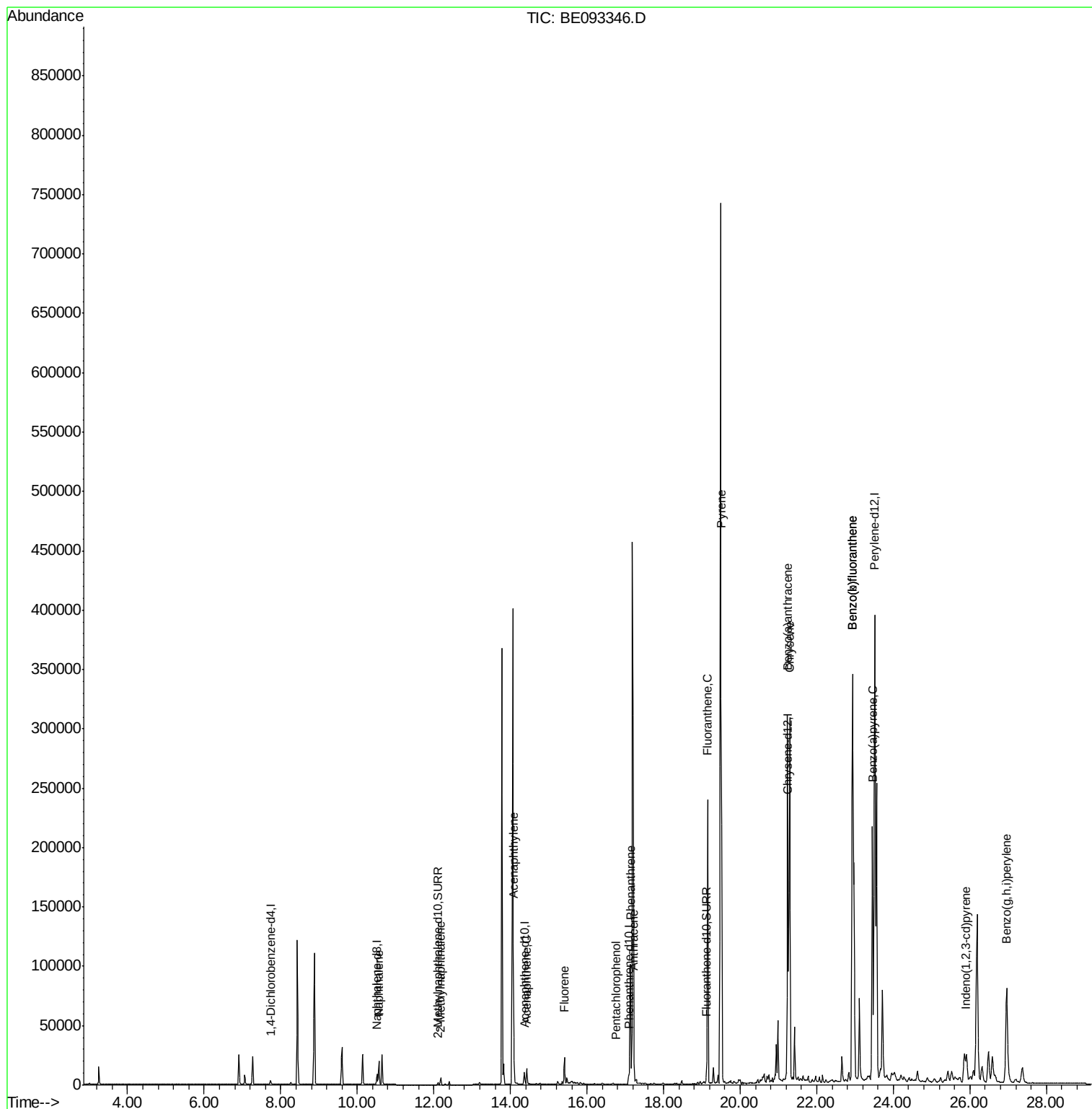
Quant Time: Jun 24 04:29:48 2017

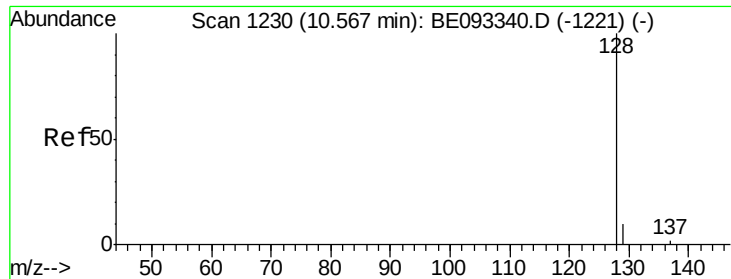
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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#3

Naphthalene

Concen: 1.36 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

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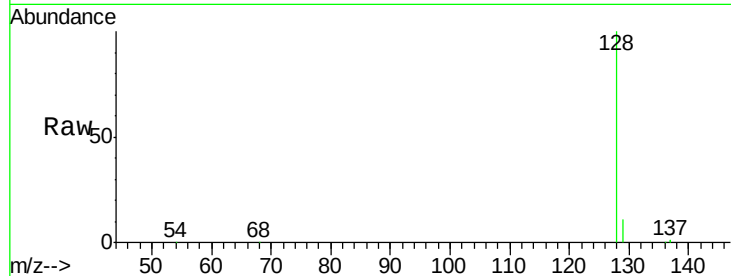
Tgt Ion:128 Resp: 29565

Ion Ratio Lower Upper

128 100

129 11.4 11.3 16.9

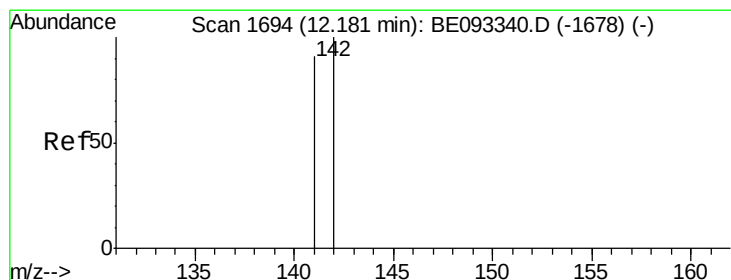
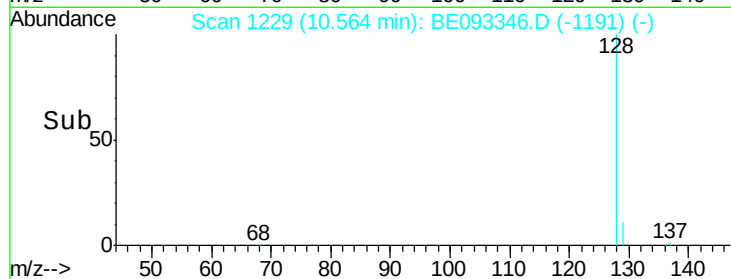
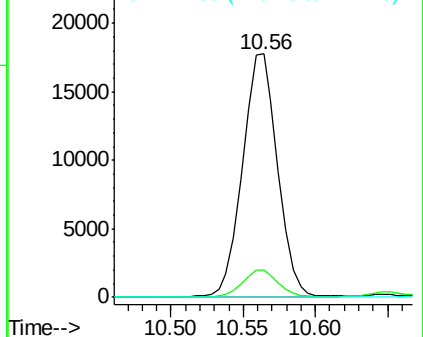
127 0.0 4.0 6.0#



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: 0.35 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BE093346.D

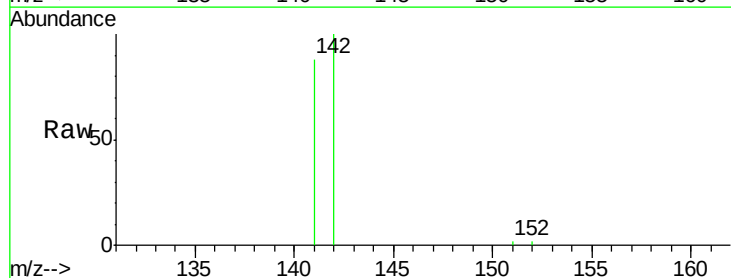
Acq: 23 Jun 2017 20:46

Tgt Ion:142 Resp: 5239

Ion Ratio Lower Upper

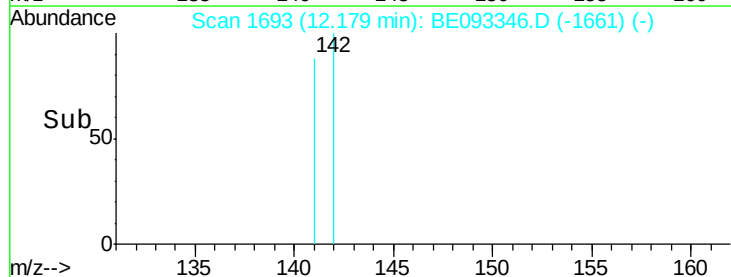
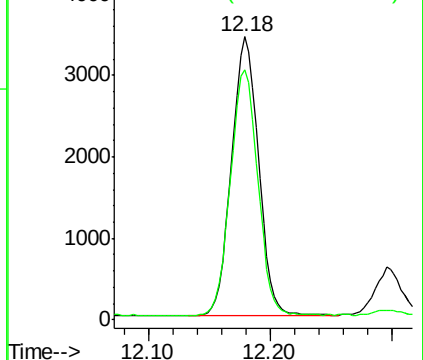
142 100

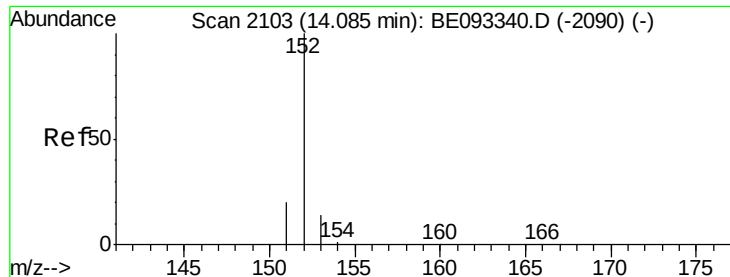
141 89.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.05 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

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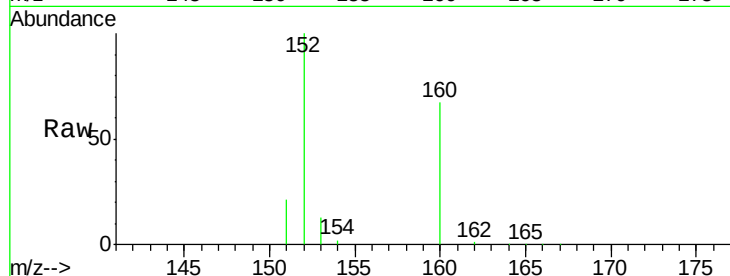
Tgt Ion:152 Resp: 48641

Ion Ratio Lower Upper

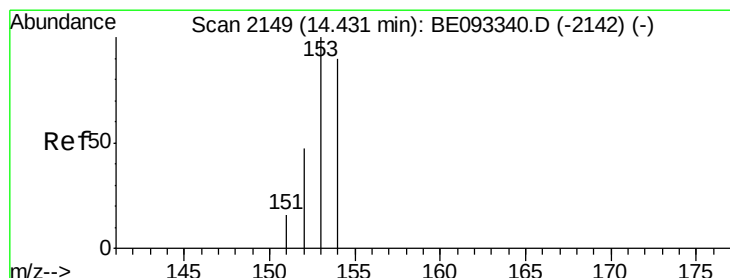
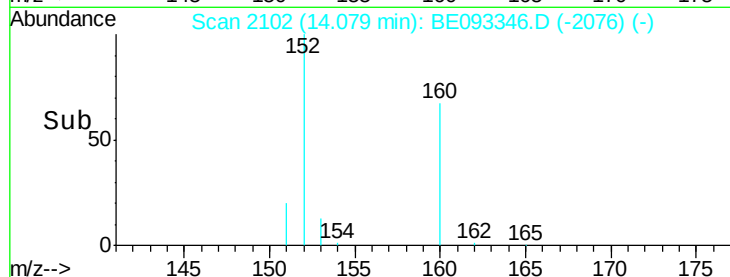
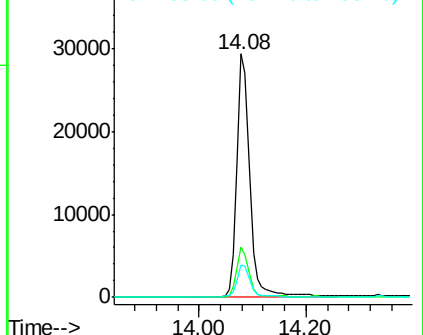
152 100

151 20.6 17.1 25.7

153 13.2 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: 0.40 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BE093346.D

Acq: 23 Jun 2017 20:46

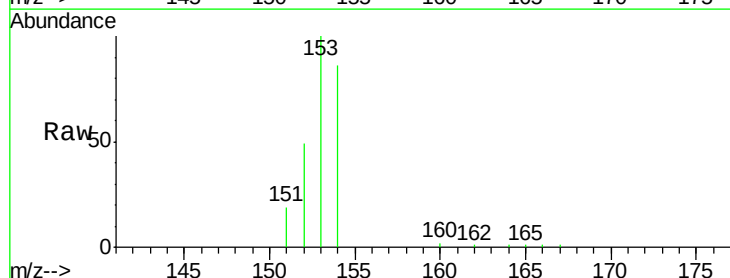
Tgt Ion:153 Resp: 7636

Ion Ratio Lower Upper

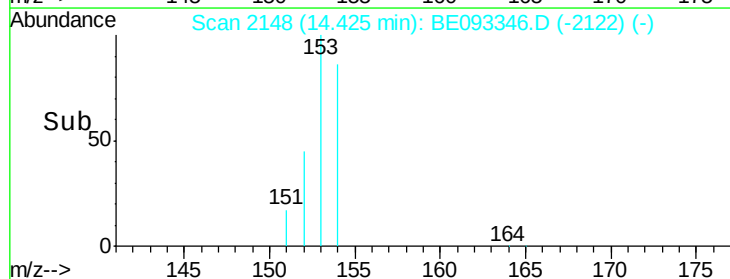
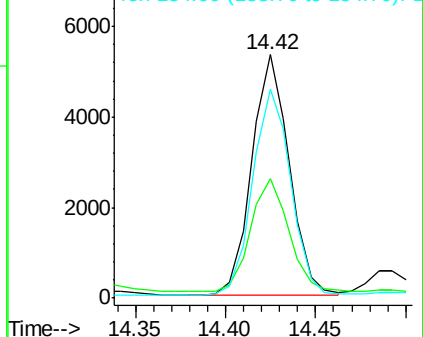
153 100

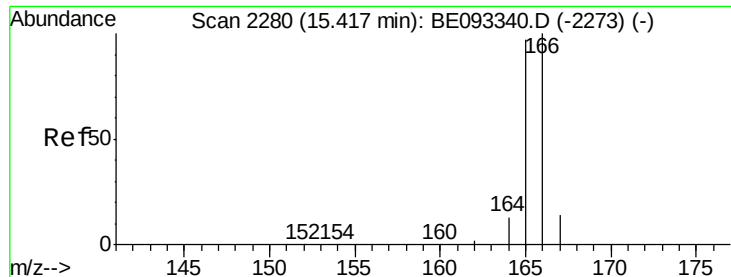
152 49.1 40.3 60.5

154 86.0 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: 0.63 ng/ul

RT: 15.41 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BE093346.D

Acq: 23 Jun 2017 20:46

Instrument :

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F5A09

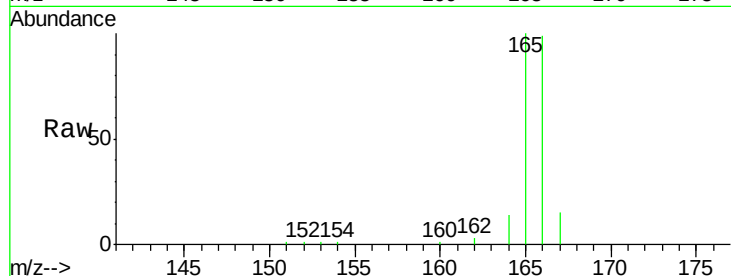
Tgt Ion:166 Resp: 14118

Ion Ratio Lower Upper

166 100

165 100.8 73.4 110.2

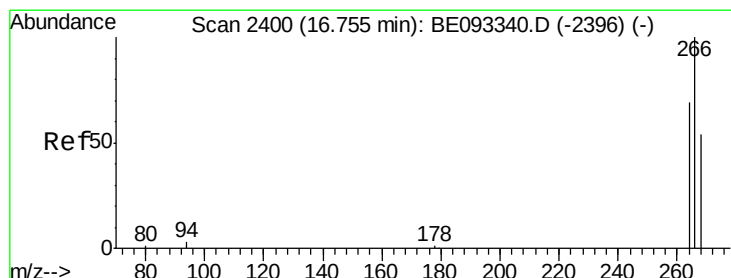
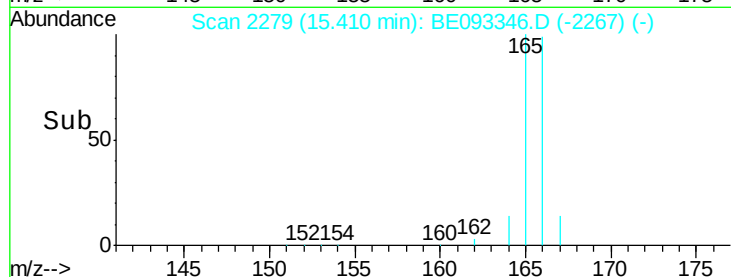
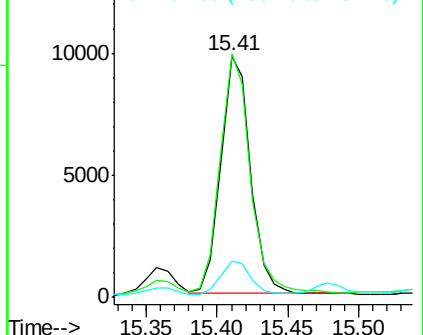
167 14.8 14.6 22.0



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



#11

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.75 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BE093346.D

Acq: 23 Jun 2017 20:46

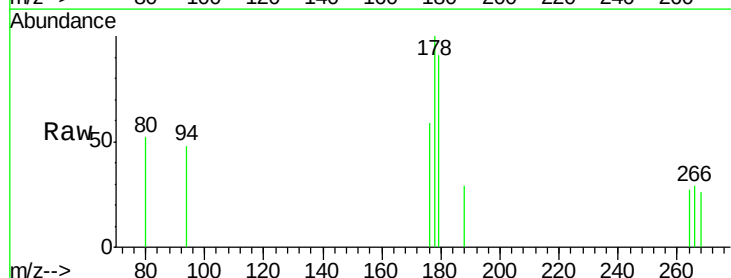
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

264 40.9 47.9 71.9#

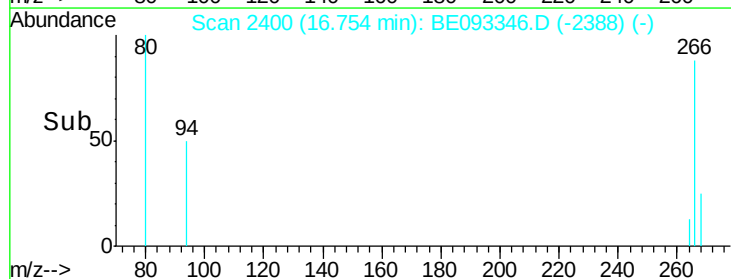
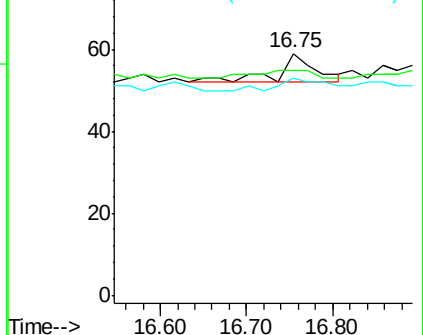
268 45.5 49.8 74.8#

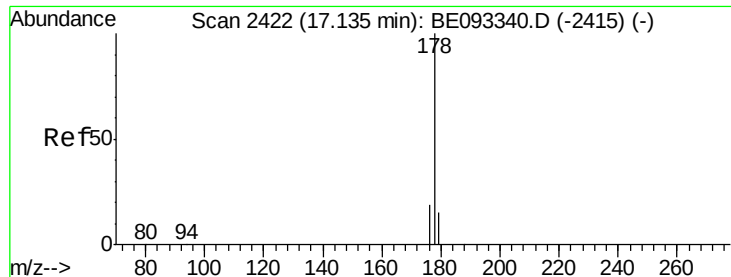


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 3.00 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093346.D

Acq: 23 Jun 2017 20:46

Instrument :

BNA_E

ClientSampleId :

F5A09

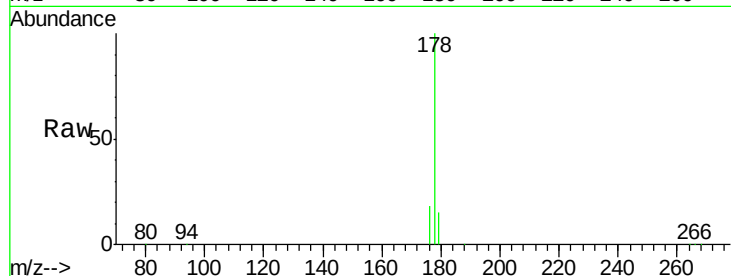
Tgt Ion:178 Resp: 106484

Ion Ratio Lower Upper

178 100

179 15.5 18.4 27.6#

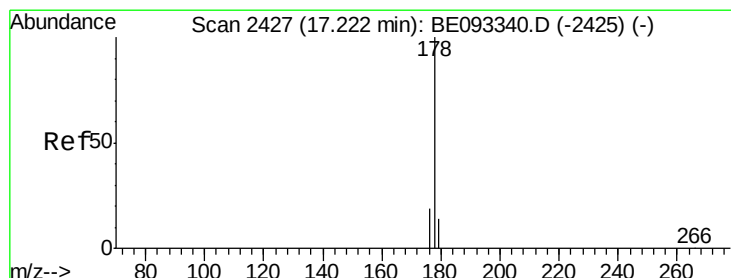
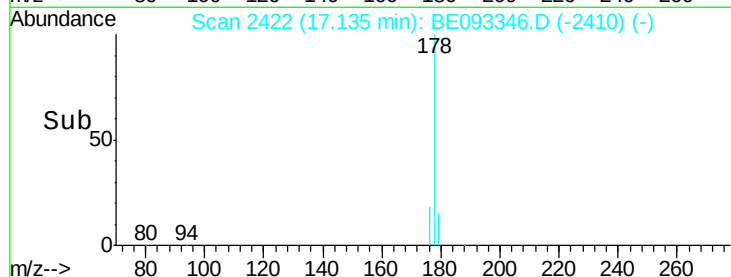
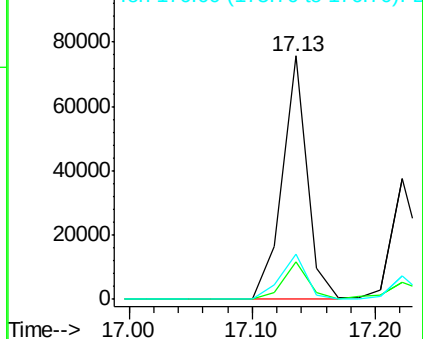
176 18.4 13.6 20.4



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: 1.87 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093346.D

Acq: 23 Jun 2017 20:46

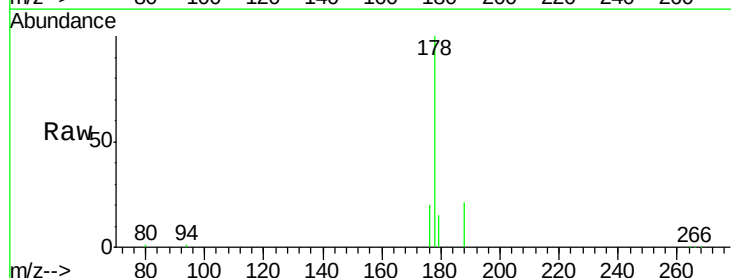
Tgt Ion:178 Resp: 57874

Ion Ratio Lower Upper

178 100

179 14.5 18.1 27.1#

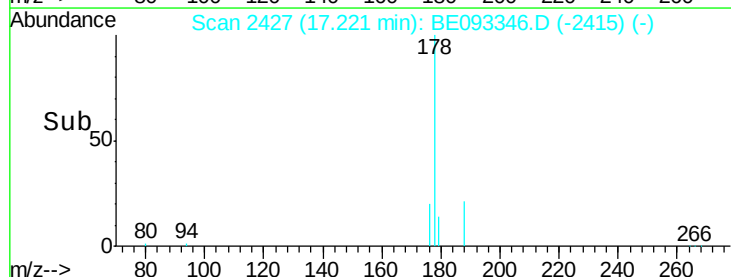
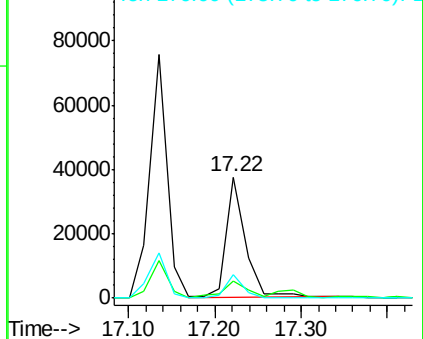
176 19.7 14.7 22.1

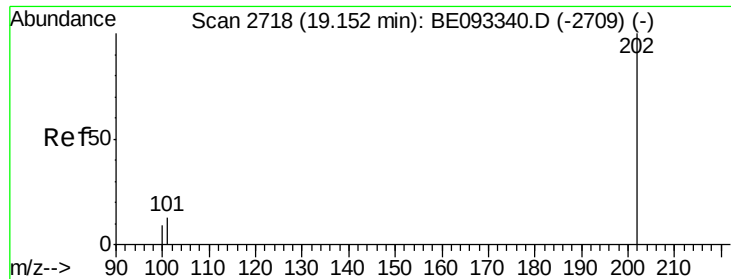


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

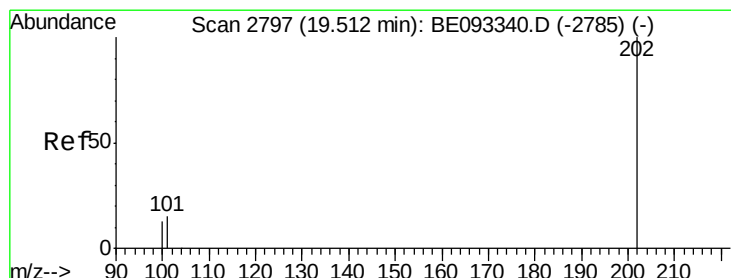
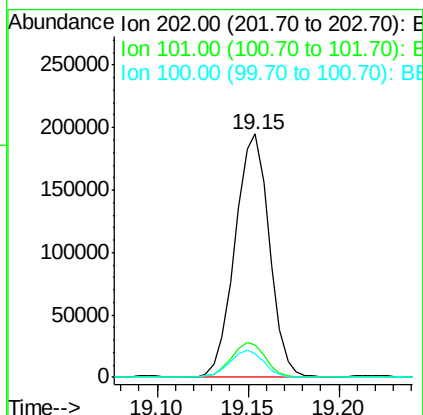
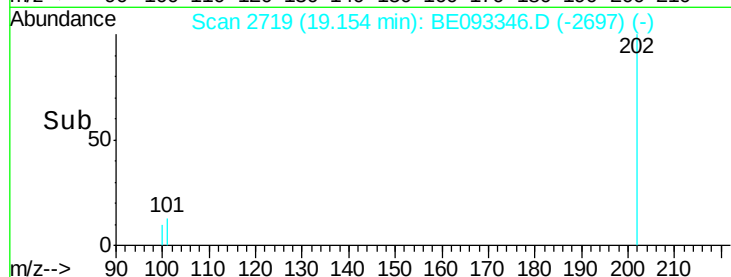
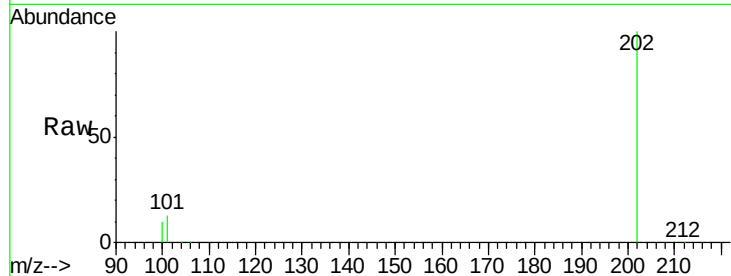




#15
Fluoranthene
Concen: 5.87 ng/ul
RT: 19.15 min Scan# 2719
Delta R.T. 0.00 min
Lab File: BE093346.D
Acq: 23 Jun 2017 20:46

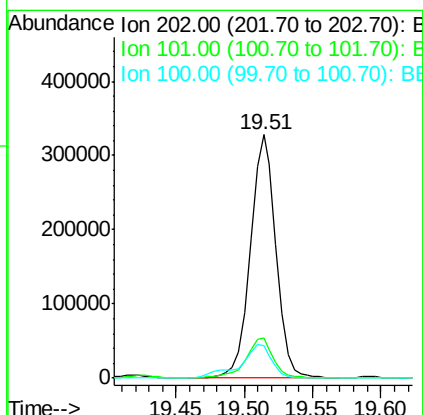
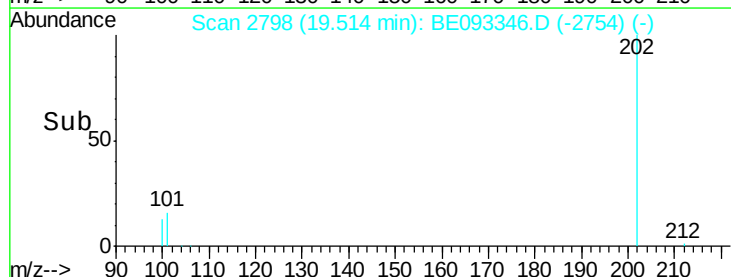
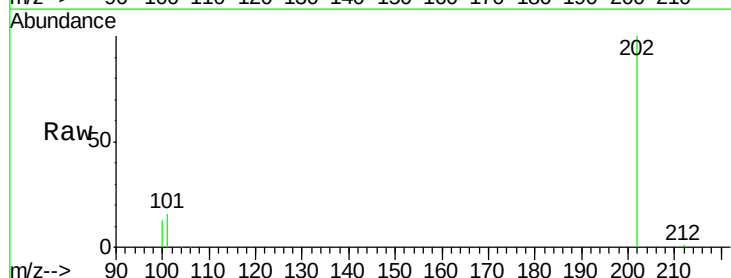
Instrument :
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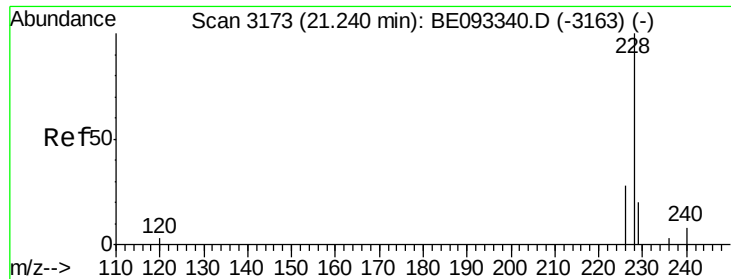
Tgt Ion:202 Resp: 255502
Ion Ratio Lower Upper
202 100
101 13.2 0.0 30.3
100 9.8 0.0 39.5



#17
Pyrene
Concen: 10.51 ng/ul
RT: 19.51 min Scan# 2798
Delta R.T. 0.00 min
Lab File: BE093346.D
Acq: 23 Jun 2017 20:46

Tgt Ion:202 Resp: 427118
Ion Ratio Lower Upper
202 100
101 16.3 18.2 27.4#
100 13.4 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 7.01 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093346.D

Acq: 23 Jun 2017 20:46

Instrument :

BNA_E

ClientSampleId :

F5A09

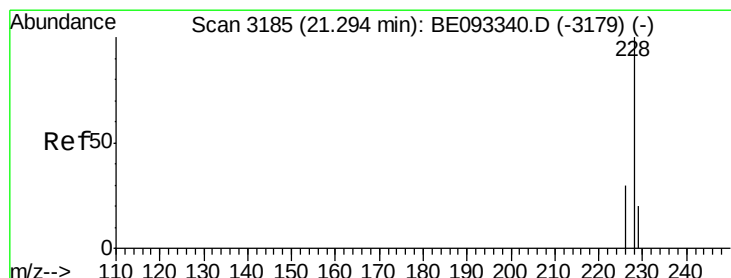
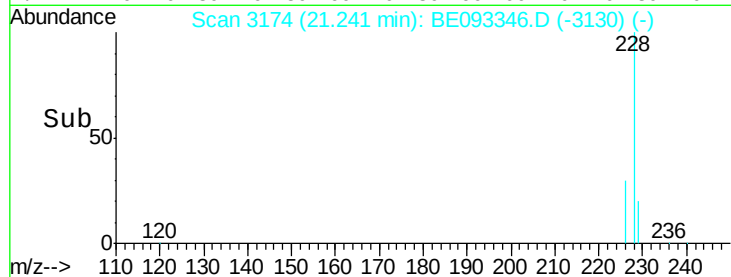
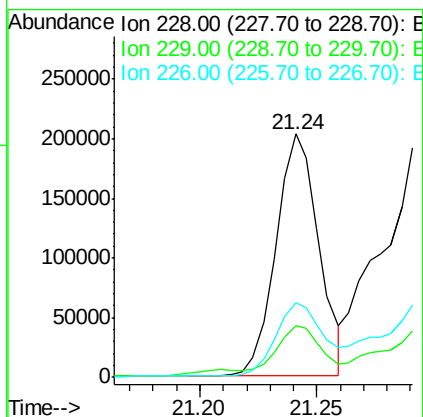
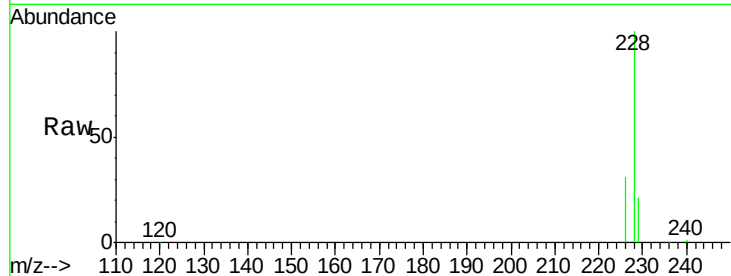
Tgt Ion:228 Resp: 257596

Ion Ratio Lower Upper

228 100

229 21.1 22.8 34.2#

226 30.7 17.0 25.6#



#19

Chrysene

Concen: 9.35 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093346.D

Acq: 23 Jun 2017 20:46

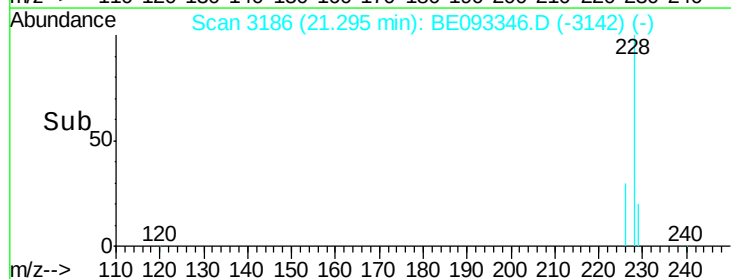
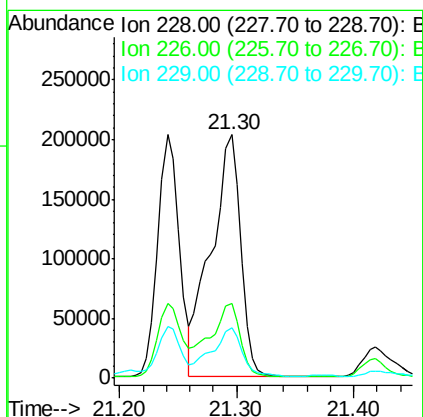
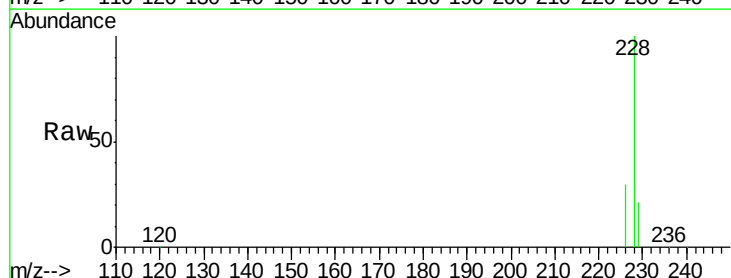
Tgt Ion:228 Resp: 356689

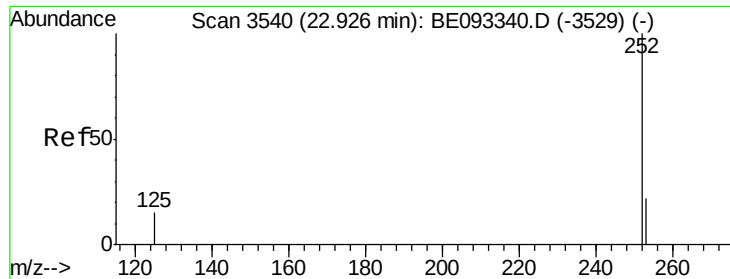
Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

229 20.7 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.35 ng/ul

RT: 22.94 min Scan# 3543

Delta R.T. 0.01 min

Lab File: BE093346.D

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Instrument :

BNA_E

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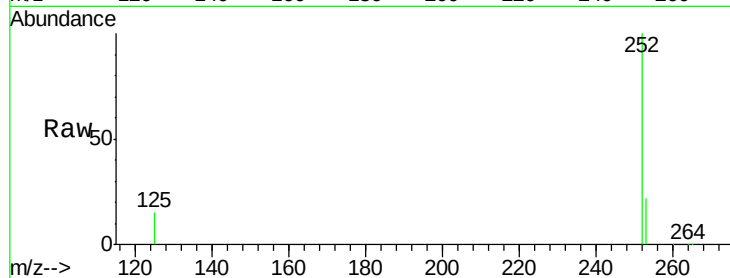
Tgt Ion:252 Resp: 589834

Ion Ratio Lower Upper

252 100

253 22.4 0.0 64.2

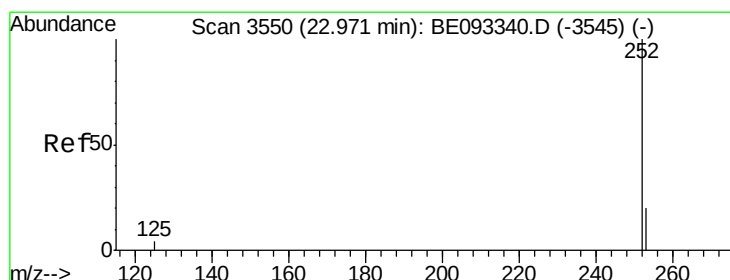
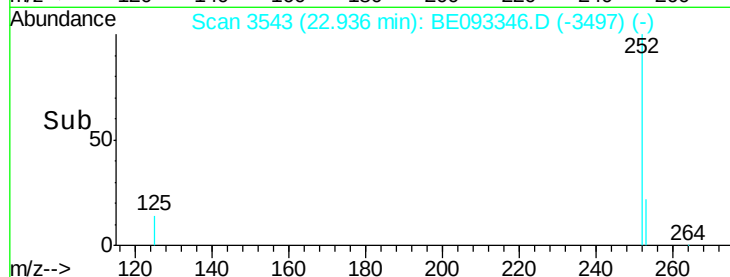
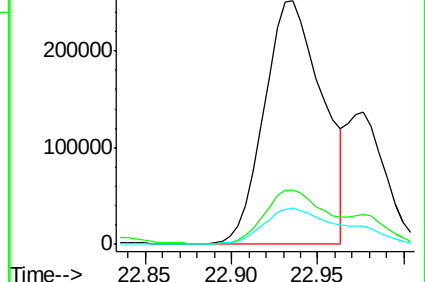
125 14.7 0.0 35.0



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: 0.44 ng/ul

RT: 22.94 min Scan# 3543

Delta R.T. -0.04 min

Lab File: BE093346.D

Acq: 23 Jun 2017 20:46

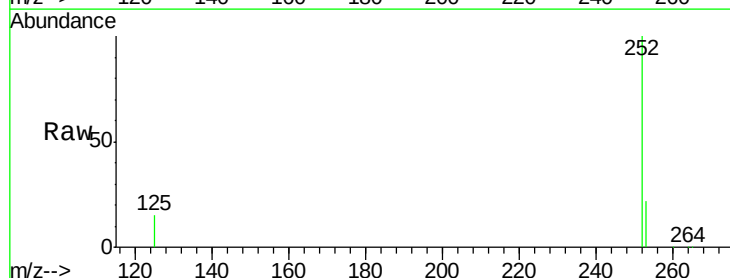
Tgt Ion:252 Resp: 796792

Ion Ratio Lower Upper

252 100

253 22.4 24.5 36.7#

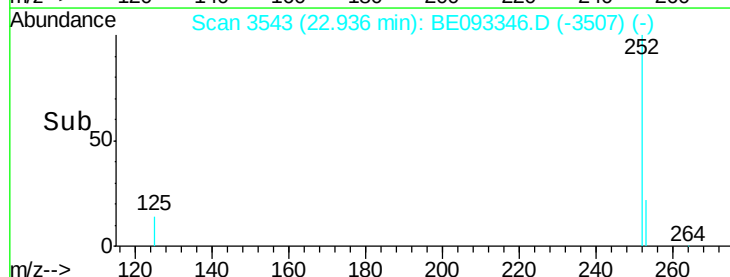
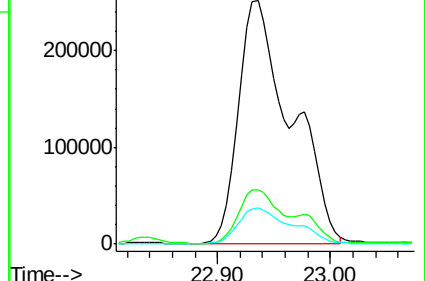
125 14.7 13.7 20.5

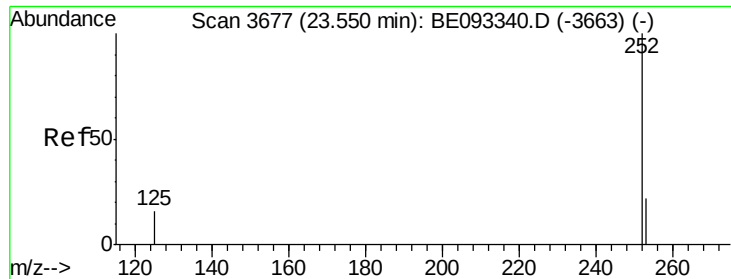


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.19 ng/ul

RT: 23.45 min Scan# 3657

Delta R.T. -0.09 min

Lab File: BE093346.D

Acq: 23 Jun 2017 20:46

Instrument :

BNA_E

ClientSampleId :

F5A09

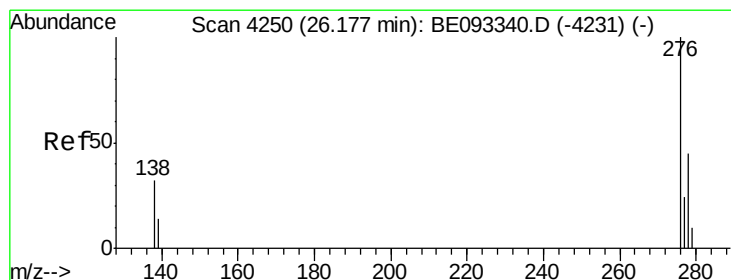
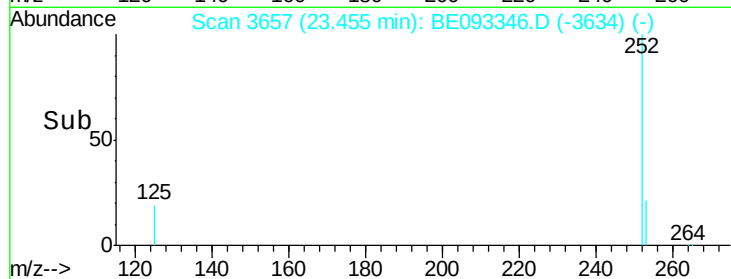
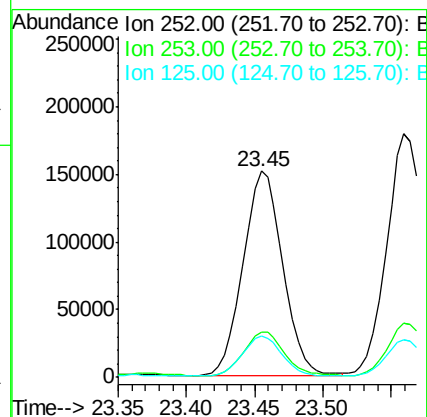
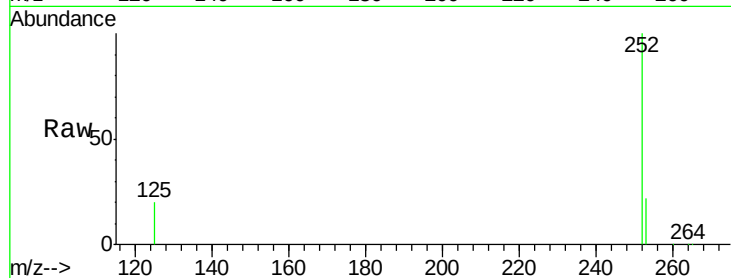
Tgt Ion:252 Resp: 307452

Ion Ratio Lower Upper

252 100

253 21.8 28.5 42.7#

125 20.2 18.1 27.1



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng/ul

RT: 25.92 min Scan# 4194

Delta R.T. -0.26 min

Lab File: BE093346.D

Acq: 23 Jun 2017 20:46

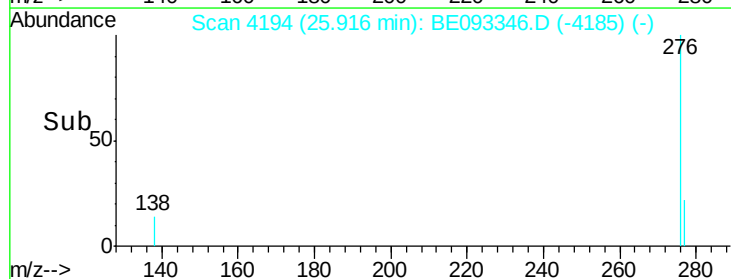
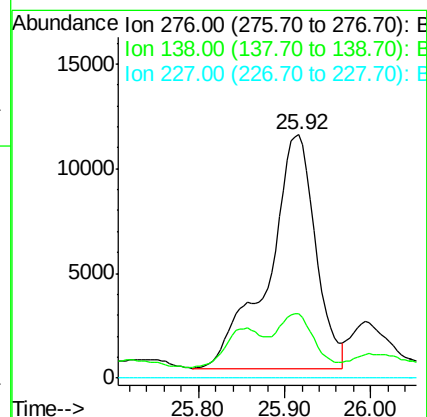
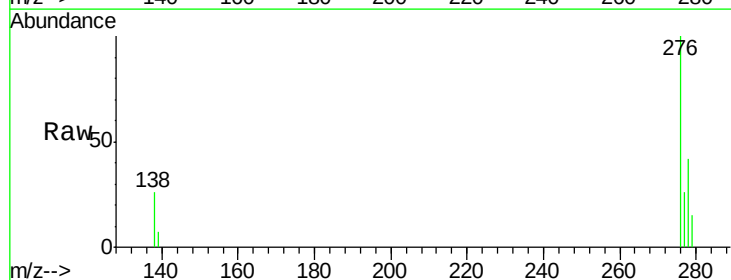
Tgt Ion:276 Resp: 42812

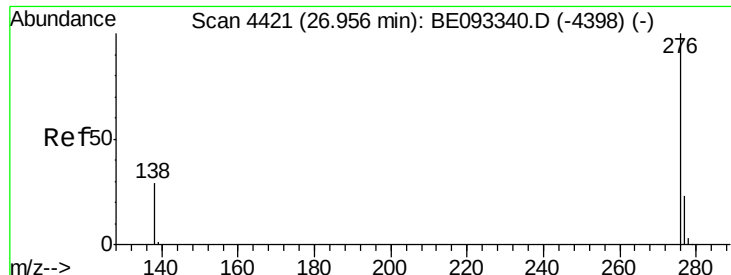
Ion Ratio Lower Upper

276 100

138 16.4 28.0 42.0#

227 0.0 8.0 12.0#





#26

Benzo(g,h,i)perylene

Concen: 0.11 ng/ul

RT: 26.96 min Scan# 4423

Delta R.T. 0.00 min

Lab File: BE093346.D

Acq: 23 Jun 2017 20:46

Instrument :

BNA_E

ClientSampleId :

F5A09

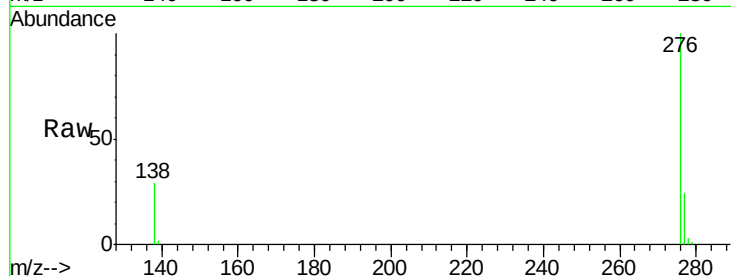
Tgt Ion: 276 Resp: 171163

Ion Ratio Lower Upper

276 100

138 28.9 21.8 32.8

277 24.0 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

