

Data File : BE093285.D
Acq On : 20 Jun 2017 17:20
Operator : SJ/JU
Sample : I3625-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5E17

Quant Time: Jun 21 01:51:02 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 21 01:49:50 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1862	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9562	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	6579	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	14288	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	14425	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	822078	0.40	ng/ul	-0.15

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	4419	0.32	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	12157	0.31	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	1096685	46.22	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	232739	14.35	ng/ul	99
7) Acenaphthylene	14.09	152	17514	0.62	ng/ul	97
8) Acenaphthene	14.42	153	238805	10.49	ng/ul	96
9) Fluorene	15.42	166	255758	9.58	ng/ul#	93
11) Pentachlorophenol	16.76	266	44	0.02	ng/ul#	85
12) Phenanthrene	17.14	178	1055927	26.86	ng/ul#	86
13) Anthracene	17.22	178	151982	4.44	ng/ul#	88
15) Fluoranthene	19.15	202	668340	13.86	ng/ul	83
17) Pyrene	19.51	202	475801	11.18	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	126102	3.28	ng/ul#	86
19) Chrysene	21.29	228	91938	2.30	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	54434	0.02	ng/ul	87
22) Benzo(k)fluoranthene	22.93	252	77166	0.03	ng/ul#	89

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

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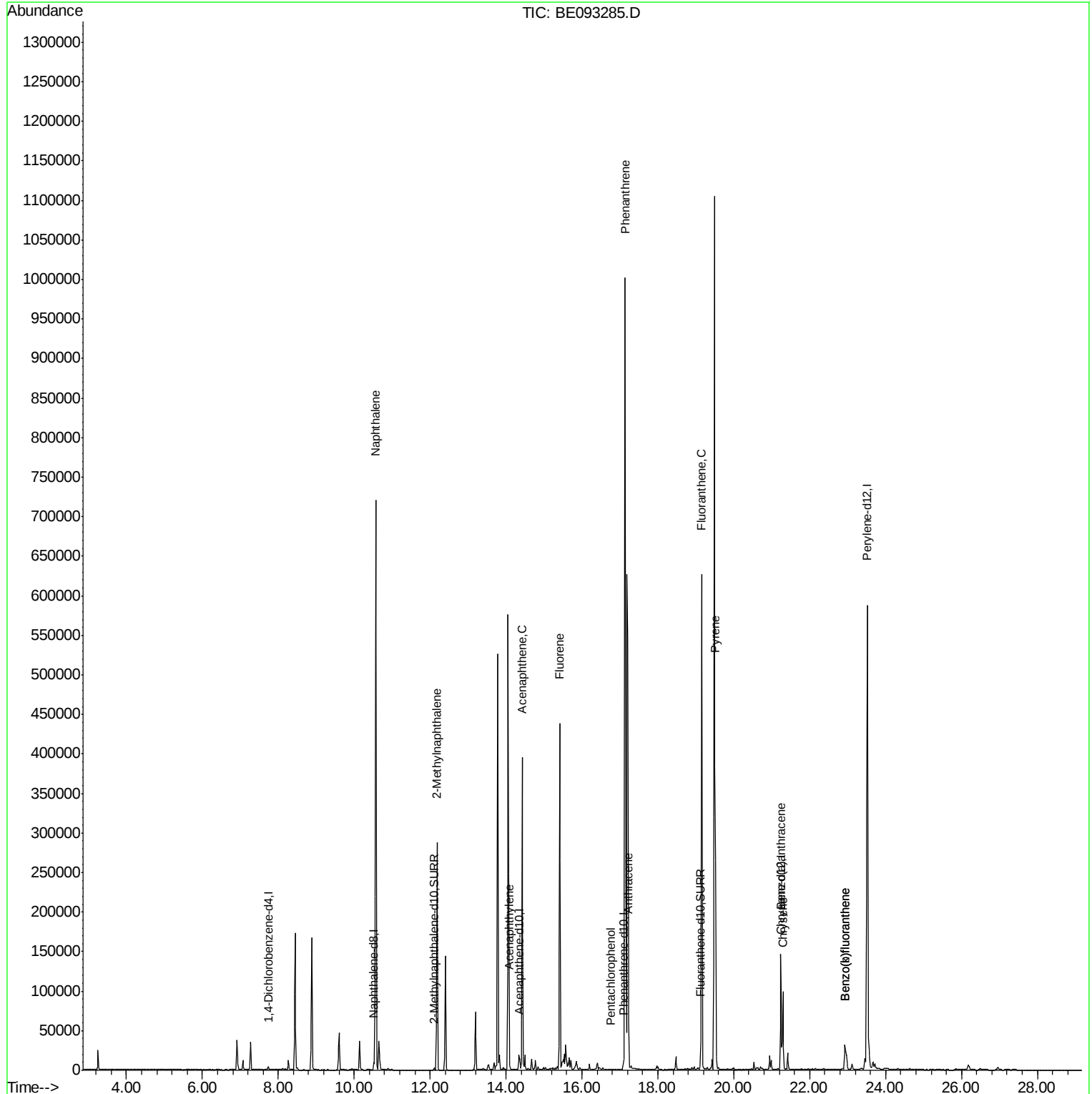
Quant Time: Jun 21 01:51:02 2017

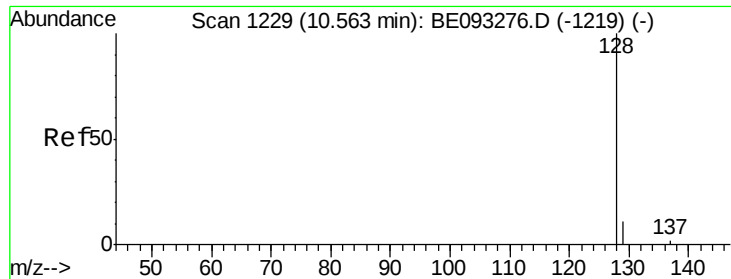
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 46.22 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093285.D

Acq: 20 Jun 2017 17:20

Instrument :

BNA_E

ClientSampleId :

F5E17

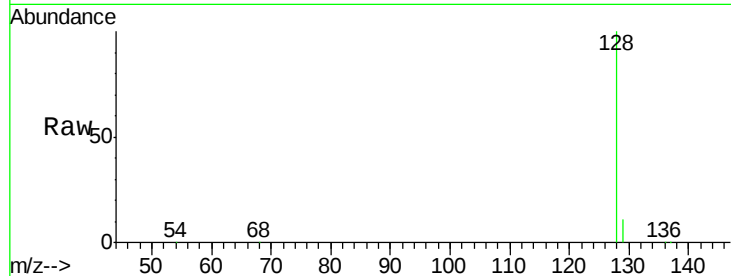
Tgt Ion:128 Resp: 1096685

Ion Ratio Lower Upper

128 100

129 11.2 11.3 16.9#

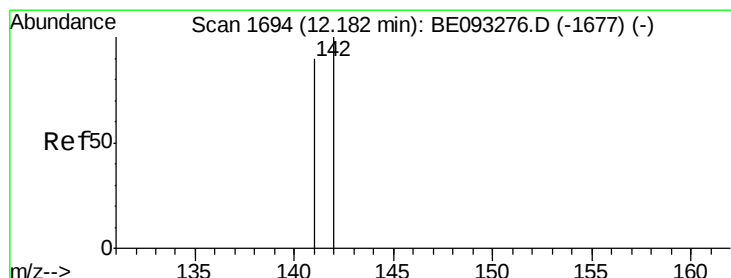
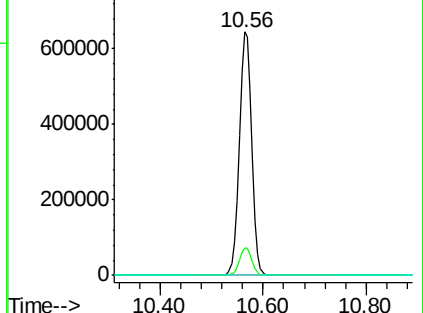
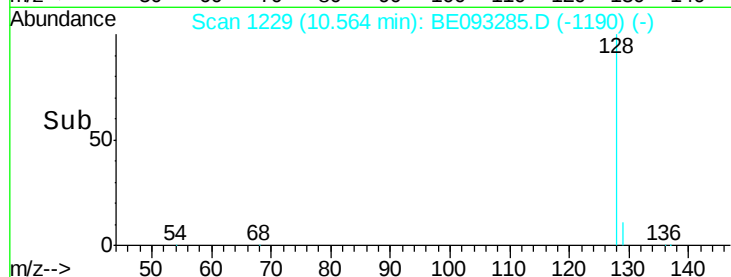
127 0.0 4.0 6.0#



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: 14.35 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093285.D

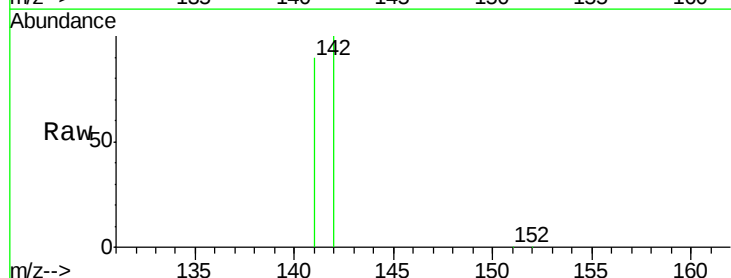
Acq: 20 Jun 2017 17:20

Tgt Ion:142 Resp: 232739

Ion Ratio Lower Upper

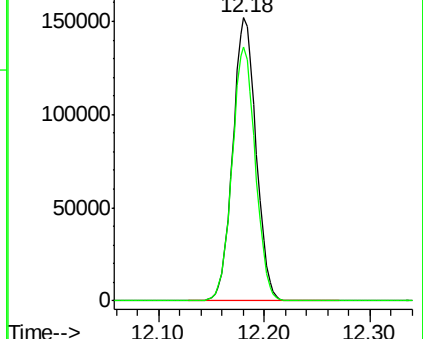
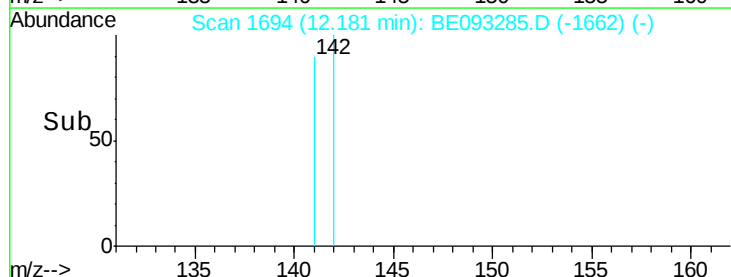
142 100

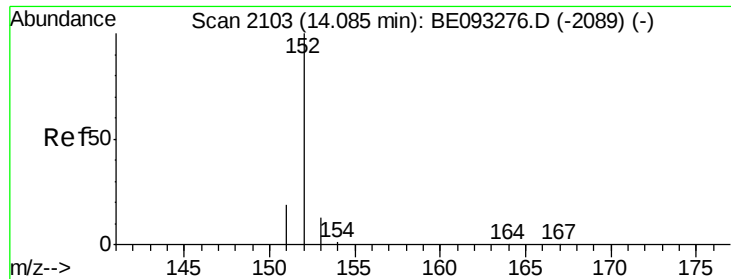
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.62 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

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Acq: 20 Jun 2017 17:20

Instrument :

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ClientSampleId :

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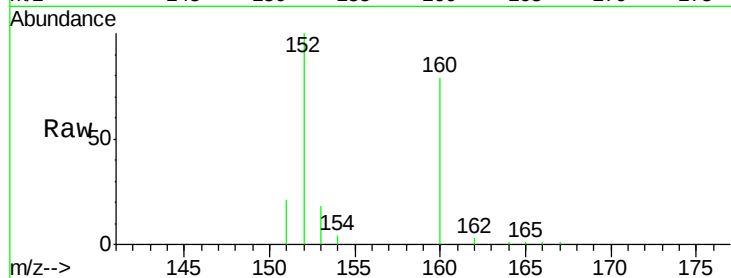
Tgt Ion:152 Resp: 17514

Ion Ratio Lower Upper

152 100

151 20.8 17.1 25.7

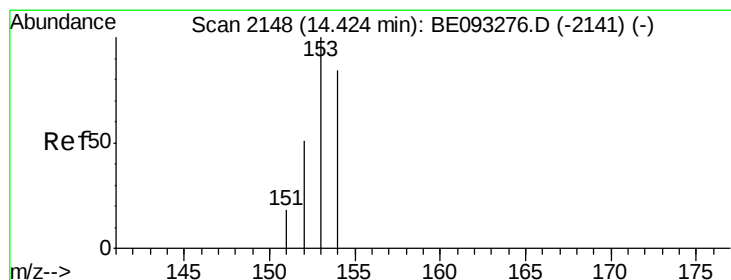
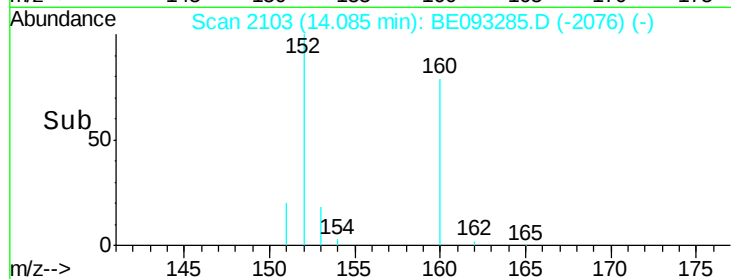
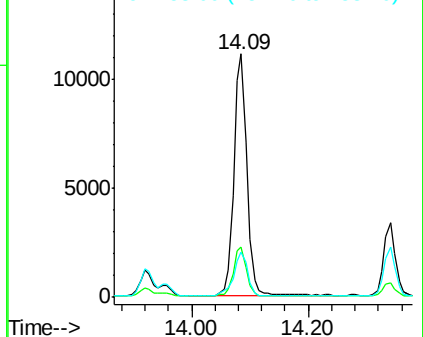
153 18.4 12.8 19.2



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: 10.49 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093285.D

Acq: 20 Jun 2017 17:20

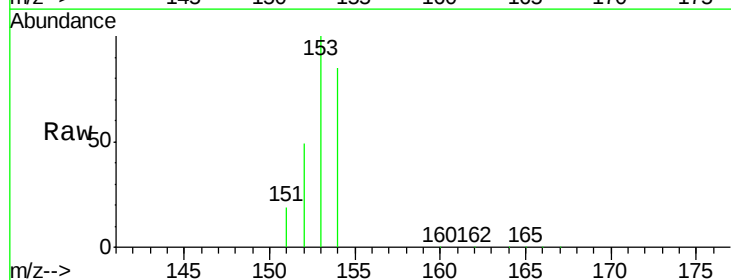
Tgt Ion:153 Resp: 238805

Ion Ratio Lower Upper

153 100

152 49.3 40.3 60.5

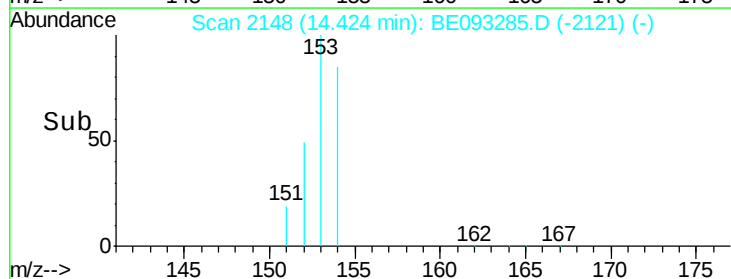
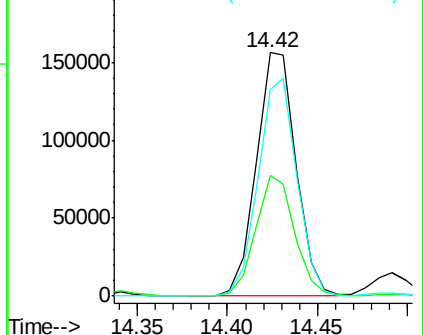
154 84.7 71.4 107.2

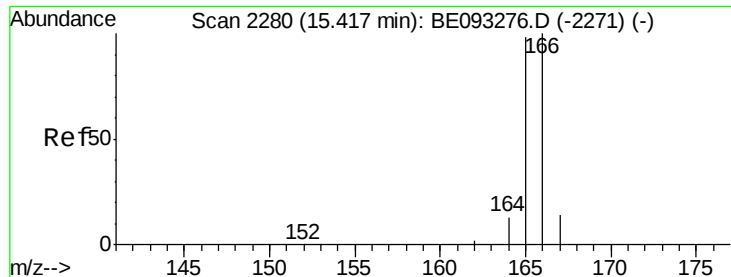


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 9.58 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE093285.D

Acq: 20 Jun 2017 17:20

Instrument :

BNA_E

ClientSampleId :

F5E17

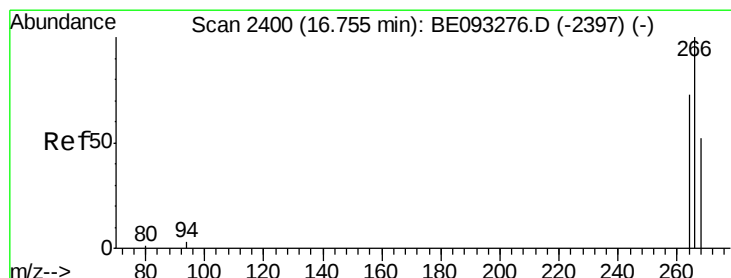
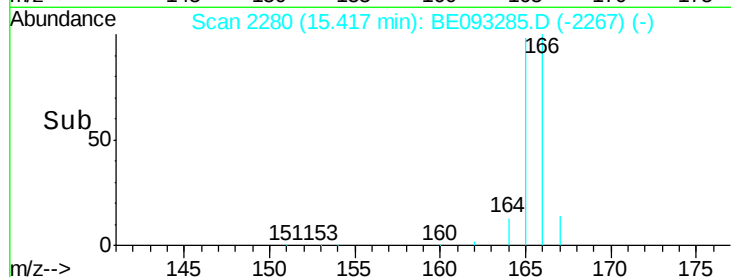
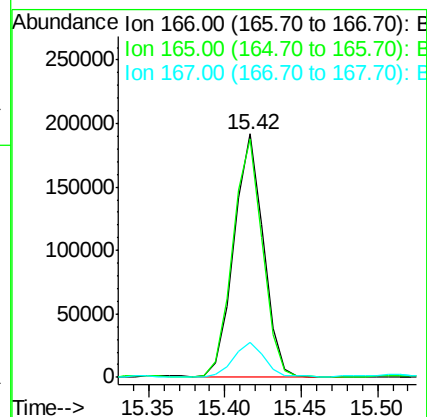
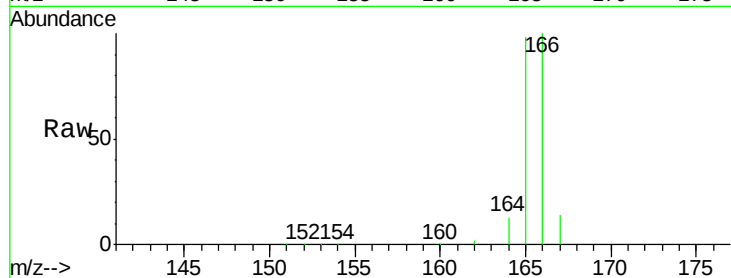
Tgt Ion:166 Resp: 255758

Ion Ratio Lower Upper

166 100

165 98.2 73.4 110.2

167 14.2 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.76 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BE093285.D

Acq: 20 Jun 2017 17:20

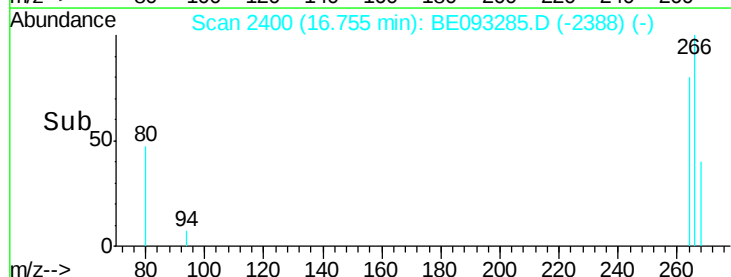
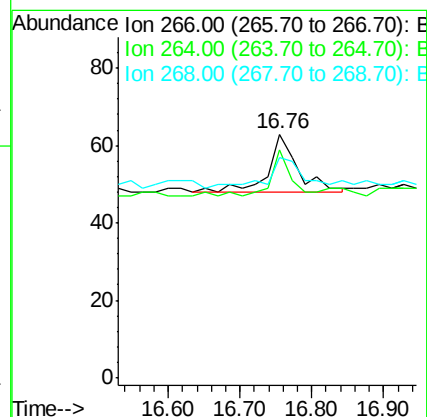
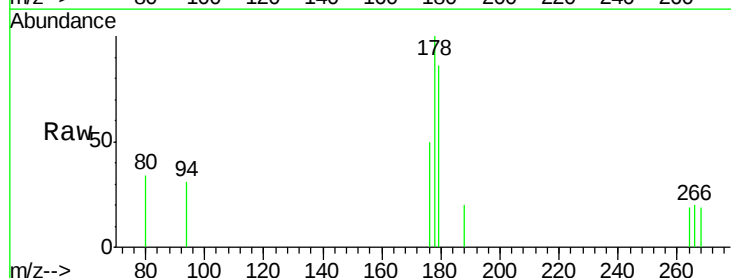
Tgt Ion:266 Resp: 44

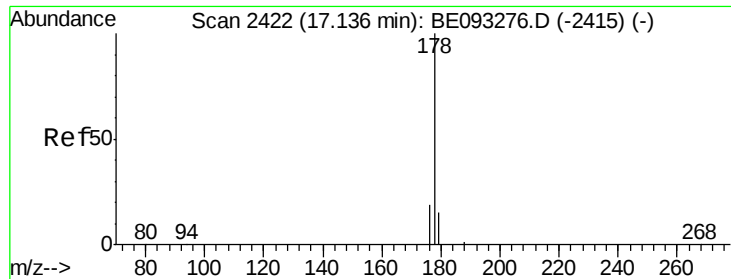
Ion Ratio Lower Upper

266 100

264 52.3 47.9 71.9

268 47.7 49.8 74.8#





#12

Phenanthrene

Concen: 26.86 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093285.D

Acq: 20 Jun 2017 17:20

Instrument :

BNA_E

ClientSampleId :

F5E17

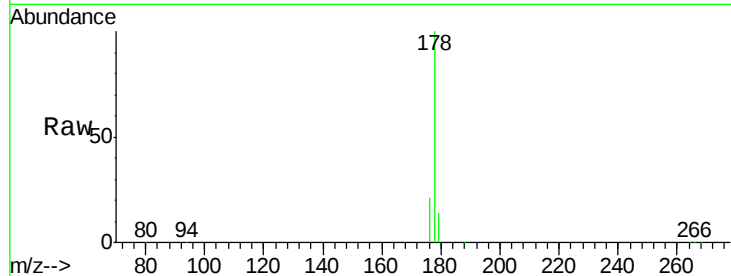
Tgt Ion:178 Resp: 1055927

Ion Ratio Lower Upper

178 100

179 14.5 18.4 27.6#

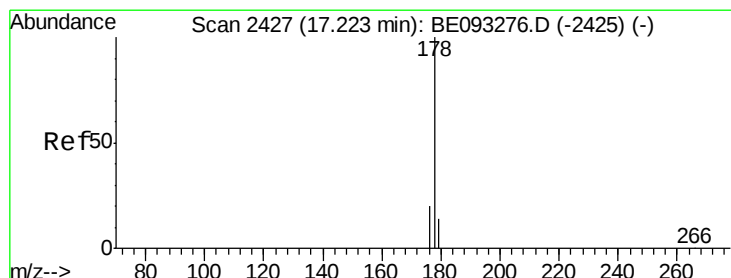
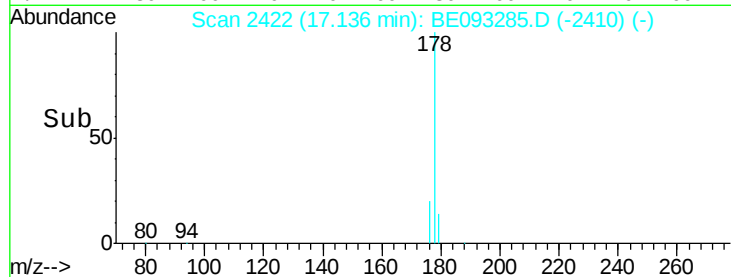
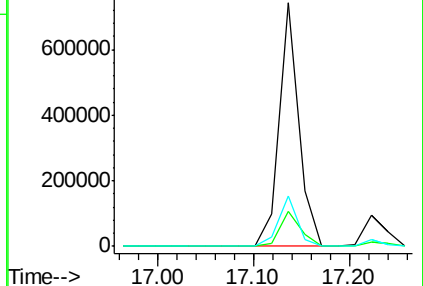
176 20.5 13.6 20.4#



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: 4.44 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093285.D

Acq: 20 Jun 2017 17:20

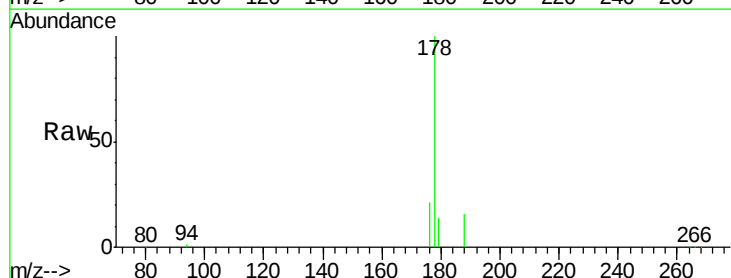
Tgt Ion:178 Resp: 151982

Ion Ratio Lower Upper

178 100

179 14.3 18.1 27.1#

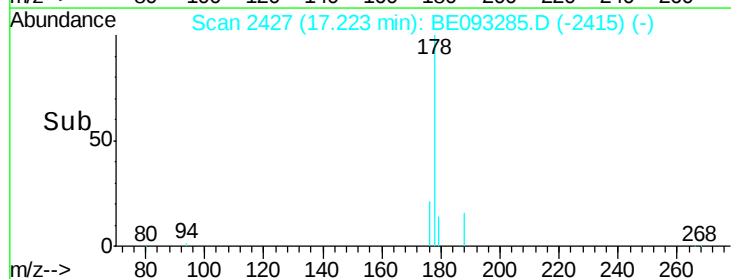
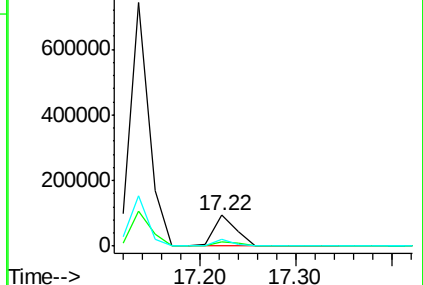
176 20.6 14.7 22.1

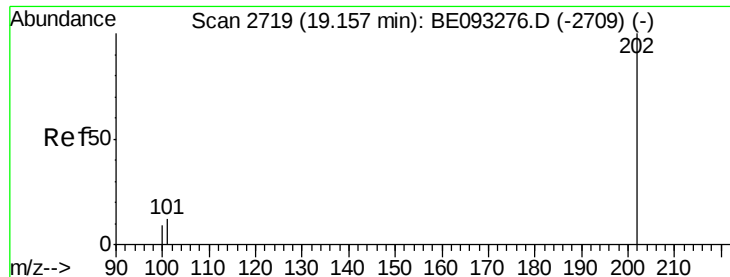


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

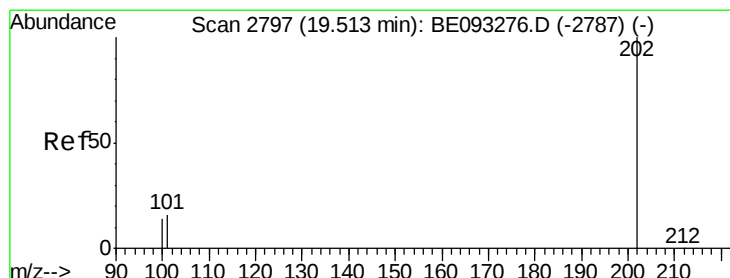
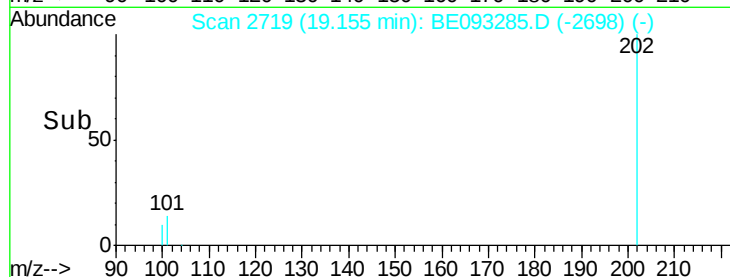
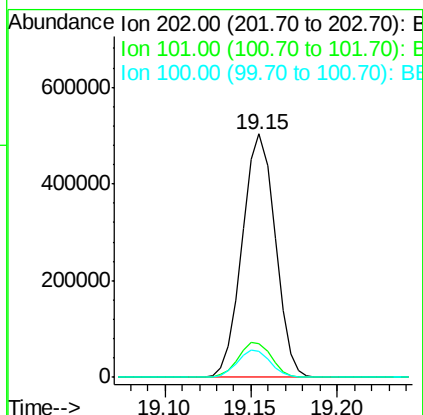
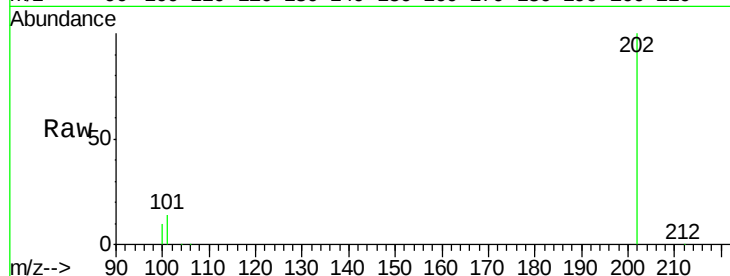




#15
Fluoranthene
Concen: 13.86 ng/ul
RT: 19.15 min Scan# 2719
Delta R.T. -0.00 min
Lab File: BE093285.D
Acq: 20 Jun 2017 17:20

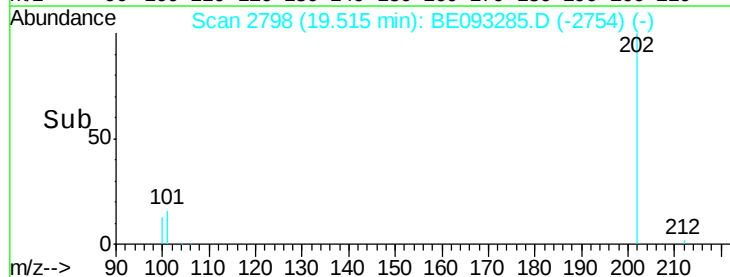
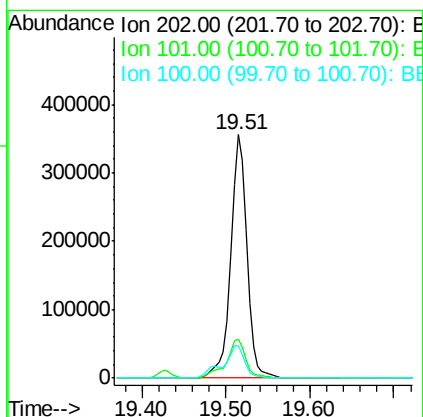
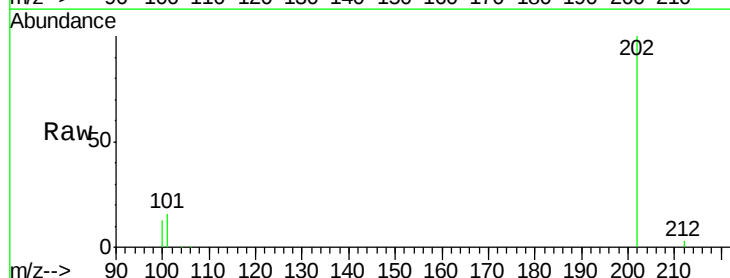
Instrument :
BNA_E
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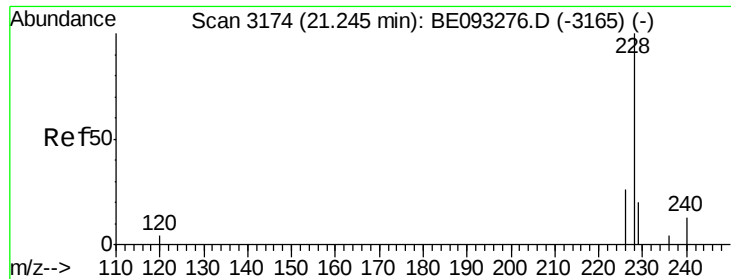
Tgt Ion:202 Resp: 668340
Ion Ratio Lower Upper
202 100
101 14.1 0.0 30.3
100 10.4 0.0 39.5



#17
Pyrene
Concen: 11.18 ng/ul
RT: 19.51 min Scan# 2798
Delta R.T. 0.00 min
Lab File: BE093285.D
Acq: 20 Jun 2017 17:20

Tgt Ion:202 Resp: 475801
Ion Ratio Lower Upper
202 100
101 16.1 18.2 27.4#
100 13.2 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 3.28 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093285.D

Acq: 20 Jun 2017 17:20

Instrument :

BNA_E

ClientSampleId :

F5E17

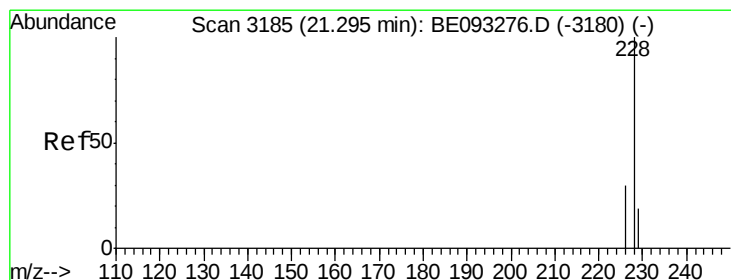
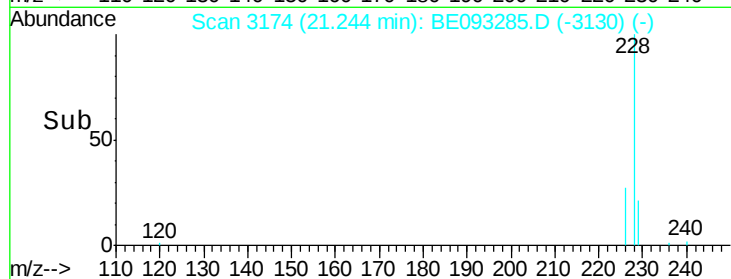
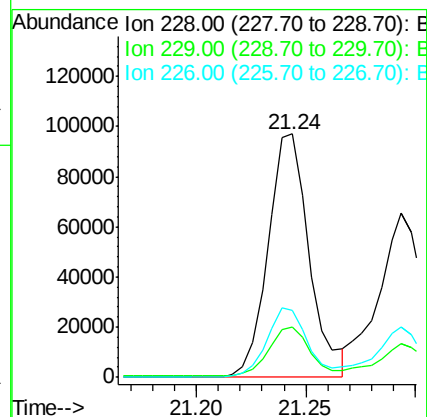
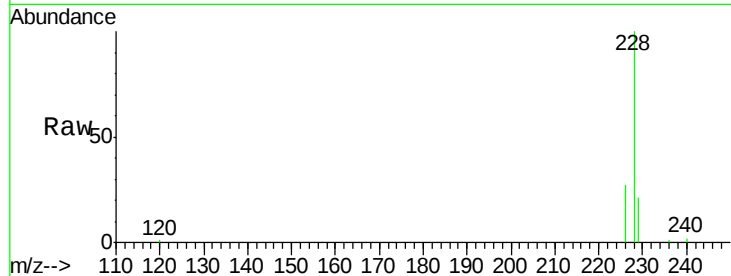
Tgt Ion:228 Resp: 126102

Ion Ratio Lower Upper

228 100

229 20.9 22.8 34.2#

226 27.4 17.0 25.6#



#19

Chrysene

Concen: 2.30 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093285.D

Acq: 20 Jun 2017 17:20

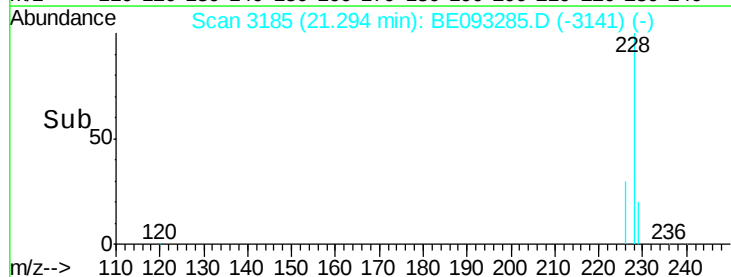
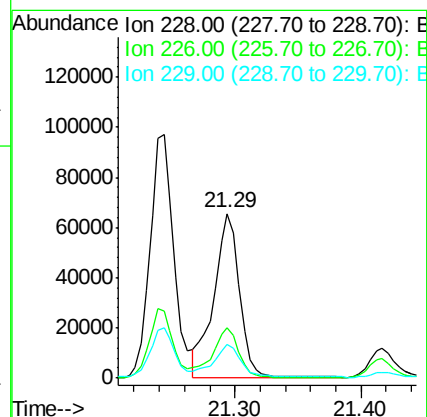
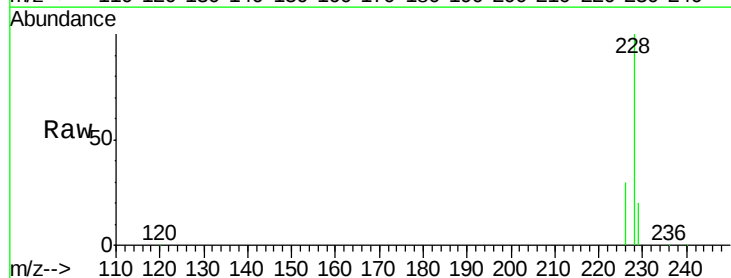
Tgt Ion:228 Resp: 91938

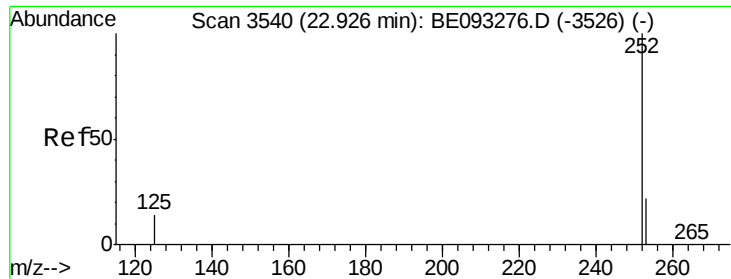
Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

229 20.3 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.01 min

Lab File: BE093285.D

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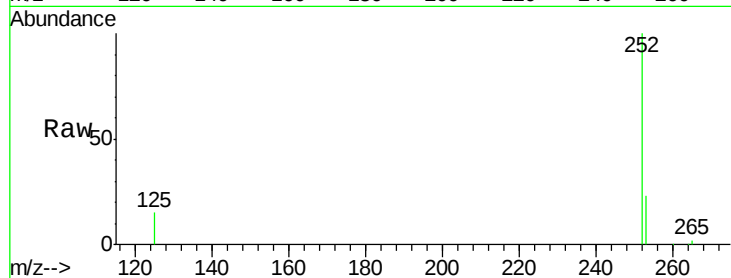
Tgt Ion:252 Resp: 54434

Ion Ratio Lower Upper

252 100

253 22.7 0.0 64.2

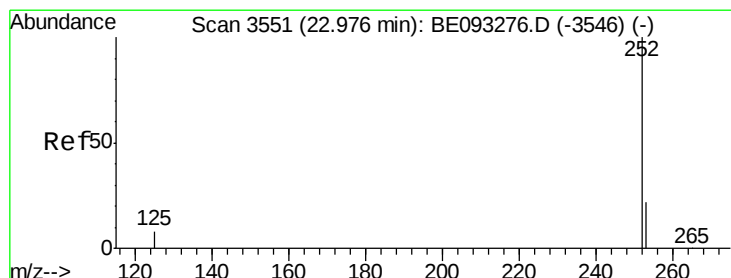
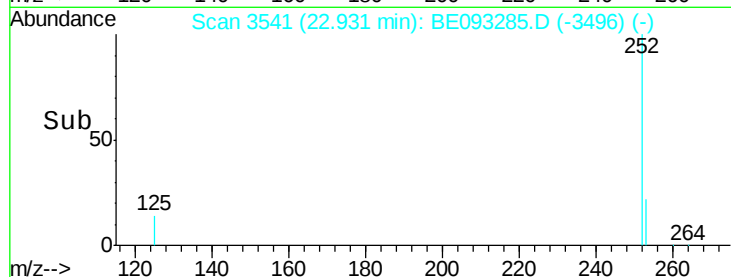
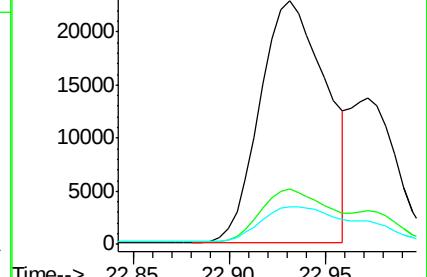
125 15.4 0.0 35.0



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: 0.03 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. -0.04 min

Lab File: BE093285.D

Acq: 20 Jun 2017 17:20

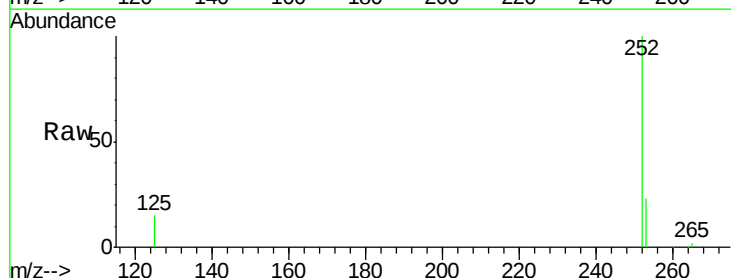
Tgt Ion:252 Resp: 77166

Ion Ratio Lower Upper

252 100

253 22.7 24.5 36.7#

125 15.4 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

