

Data File : BE093309.D
Acq On : 21 Jun 2017 10:32
Operator : SJ/JU
Sample : I3627-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A08

Quant Time: Jun 22 02:10:53 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 22 02:10:17 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1610	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	8613	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	5614	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	13163	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	769765	0.40	ng/ul	-0.15

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	3941	0.31	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	11281	0.00	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.56	128	4551	0.21	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	1125	0.08	ng/ul	99
7) Acenaphthylene	14.08	152	13902	0.58	ng/ul	96
8) Acenaphthene	14.43	153	3325	0.17	ng/ul	98
9) Fluorene	15.42	166	5880	0.26	ng/ul	94
17) Pyrene	19.51	202	197363	5.08	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	100770	2.87	ng/ul#	85
19) Chrysene	21.30	228	125610	3.45	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	185352	0.08	ng/ul	86
22) Benzo(k)fluoranthene	22.93	252	238943	0.10	ng/ul#	88
23) Benzo(a)pyrene	23.45	252	85961	0.04	ng/ul#	84
26) Benzo(g,h,i)perylene	26.96	276	43792	0.02	ng/ul	97

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

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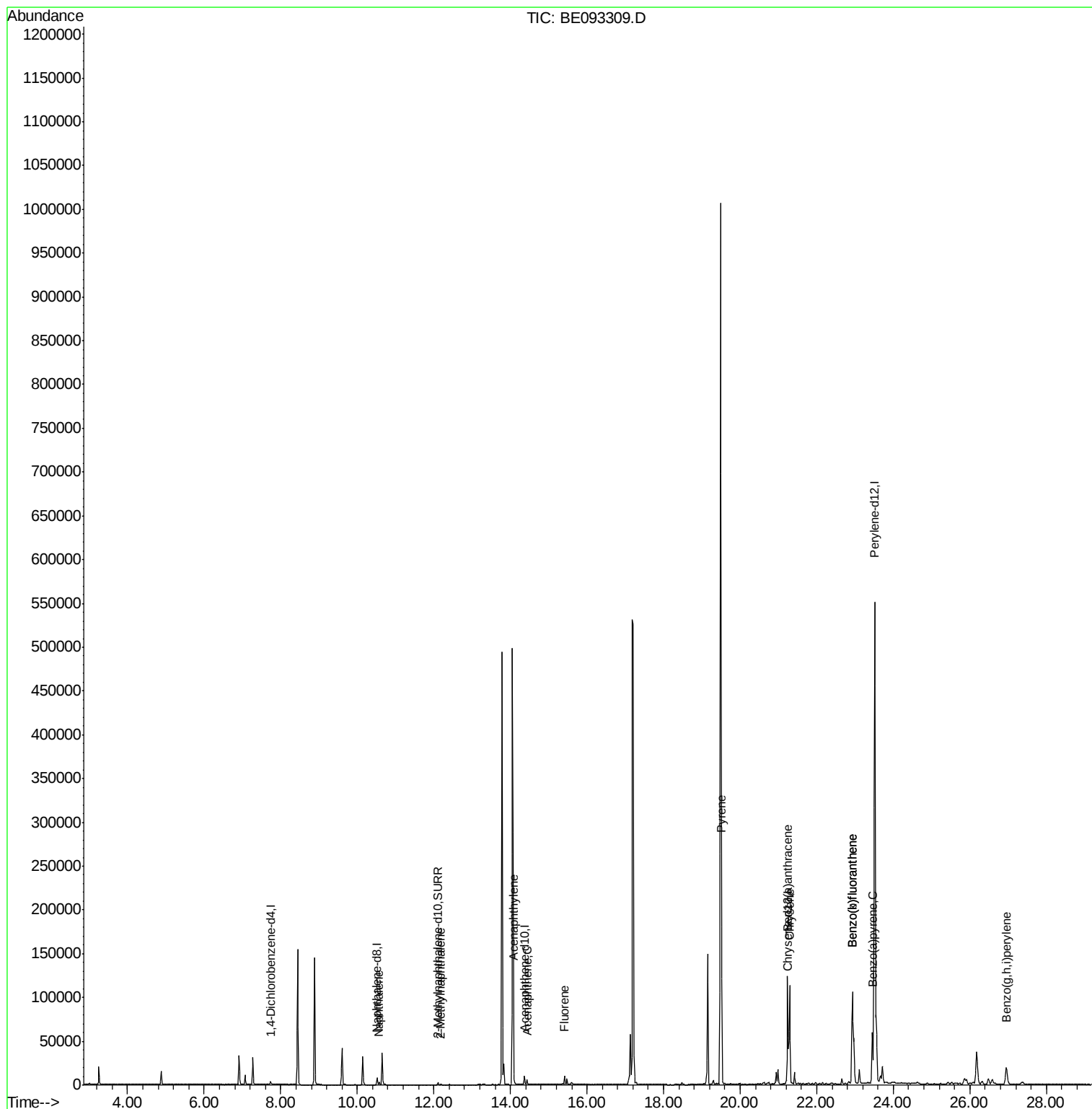
Quant Time: Jun 22 02:10:53 2017

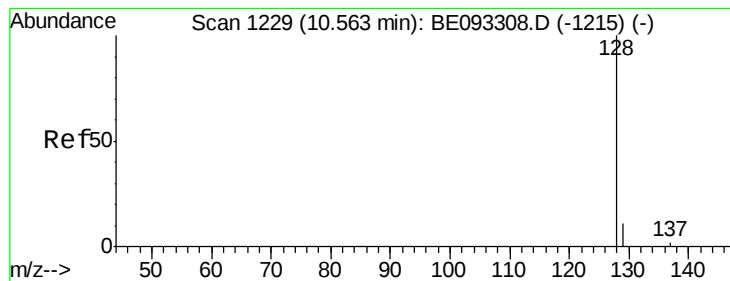
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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QLast Update : Thu Jun 22 02:10:17 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.21 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Instrument :

BNA_E

ClientSampleId :

F5A08

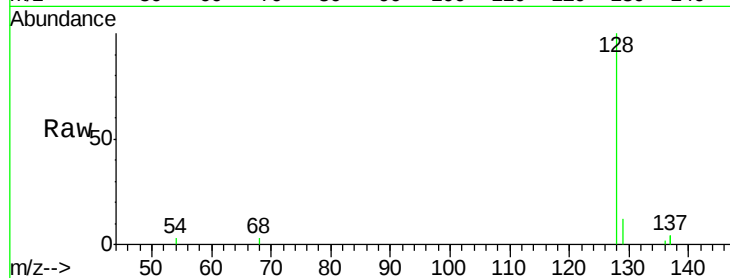
Tgt Ion:128 Resp: 4551

Ion Ratio Lower Upper

128 100

129 12.4 11.3 16.9

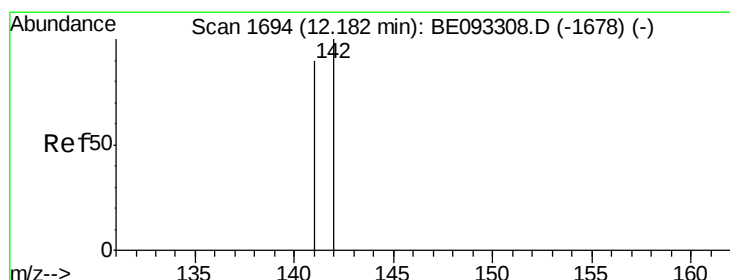
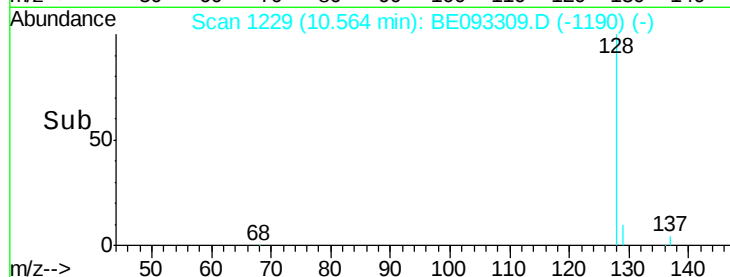
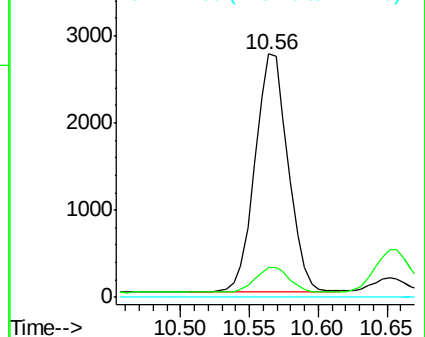
127 0.0 4.0 6.0#



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: 0.08 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. 0.00 min

Lab File: BE093309.D

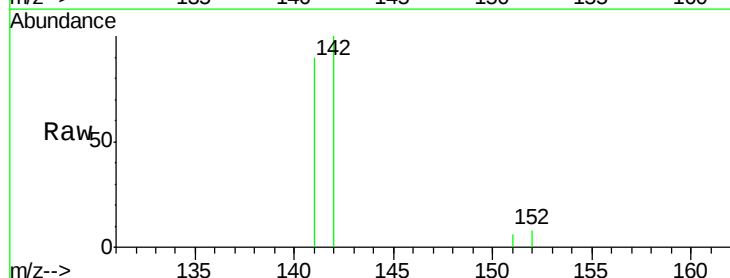
Acq: 21 Jun 2017 10:32

Tgt Ion:142 Resp: 1125

Ion Ratio Lower Upper

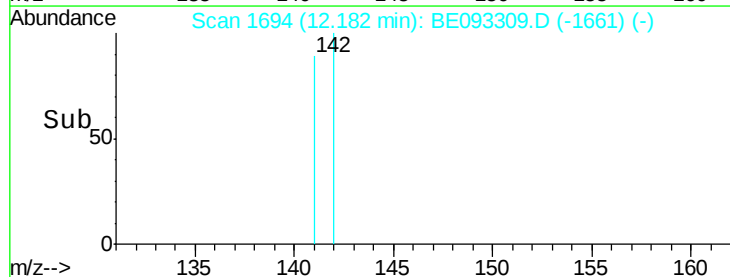
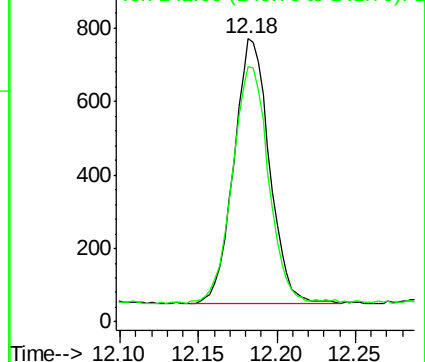
142 100

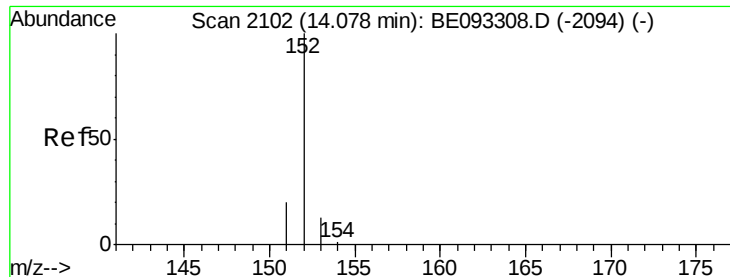
141 91.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.58 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Instrument :

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ClientSampleId :

F5A08

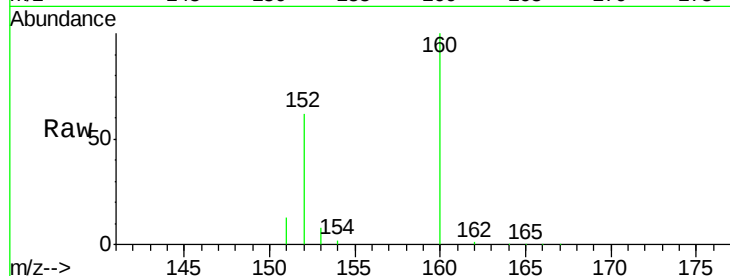
Tgt Ion:152 Resp: 13902

Ion Ratio Lower Upper

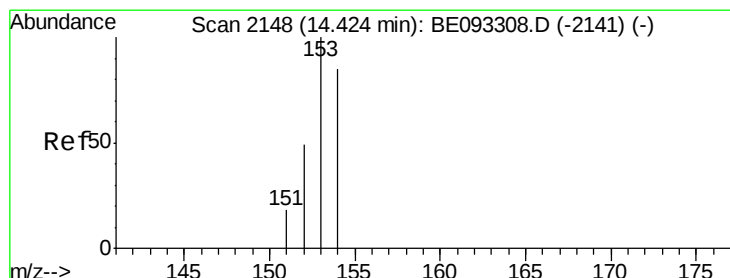
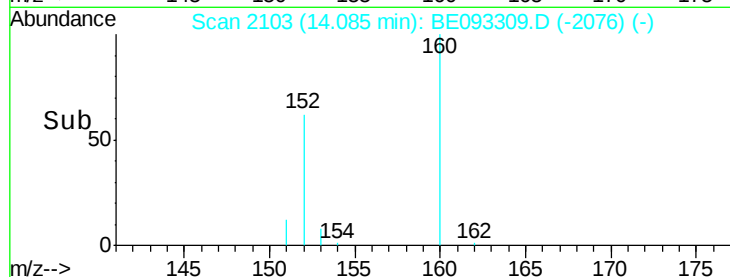
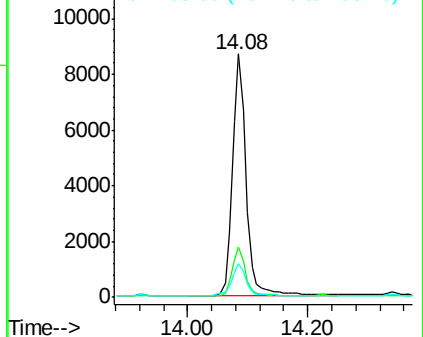
152 100

151 20.5 17.1 25.7

153 13.6 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: 0.17 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.01 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

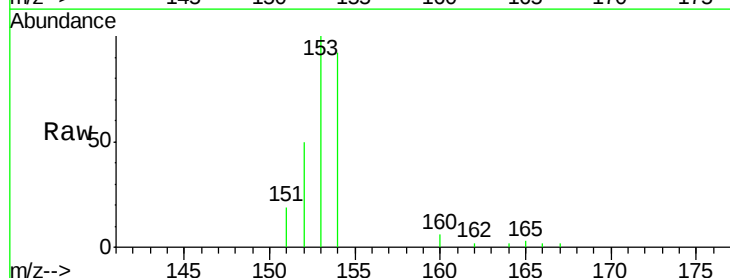
Tgt Ion:153 Resp: 3325

Ion Ratio Lower Upper

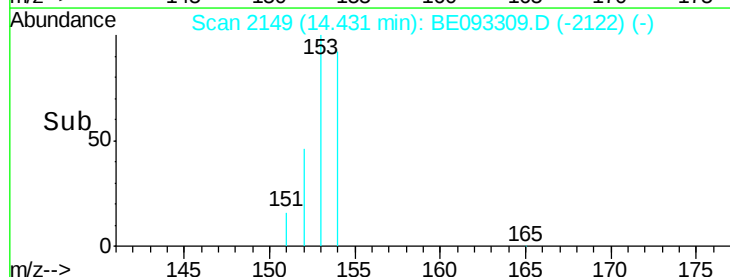
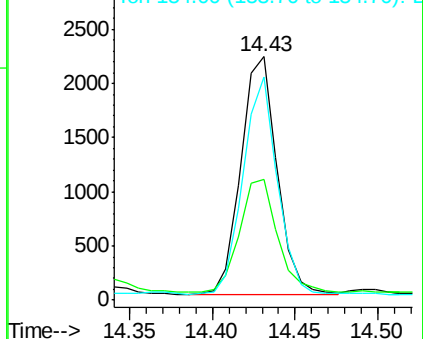
153 100

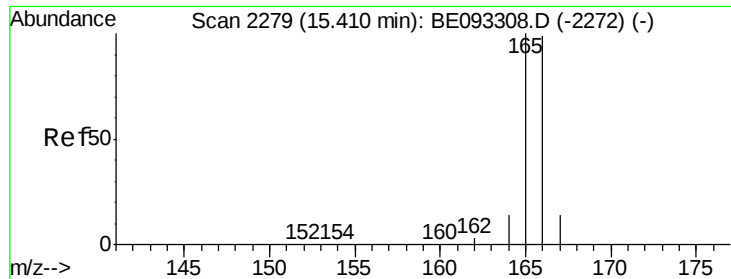
152 49.7 40.3 60.5

154 91.6 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. 0.01 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Instrument :

BNA_E

ClientSampleId :

F5A08

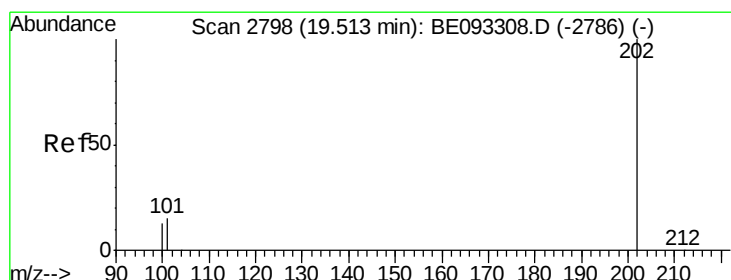
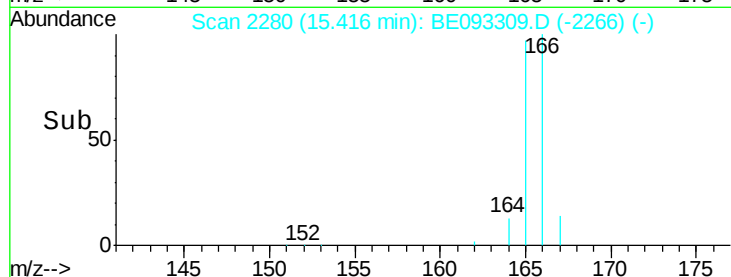
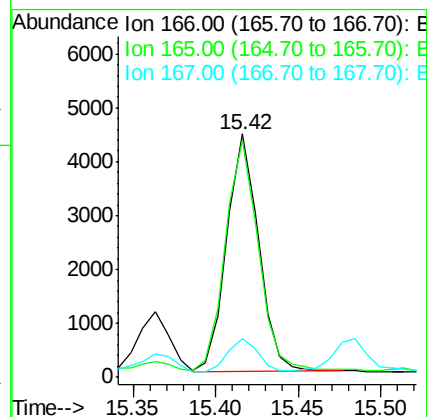
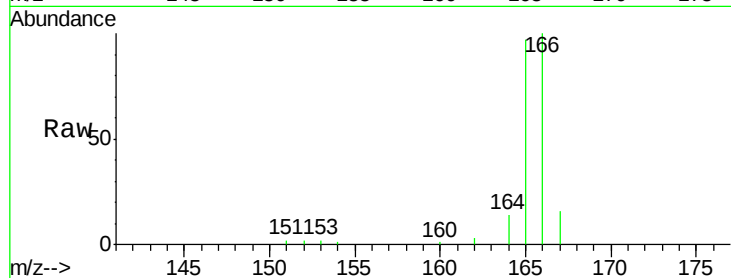
Tgt Ion:166 Resp: 5880

Ion Ratio Lower Upper

166 100

165 97.4 73.4 110.2

167 15.9 14.6 22.0



#17

Pyrene

Concen: 5.08 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

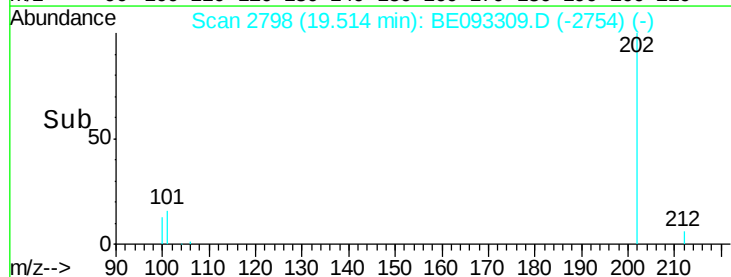
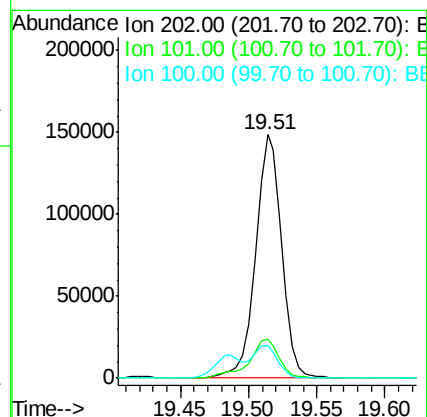
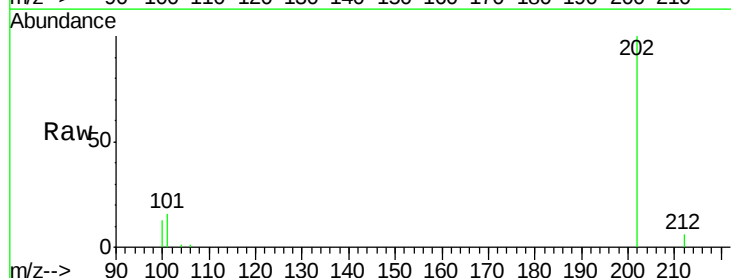
Tgt Ion:202 Resp: 197363

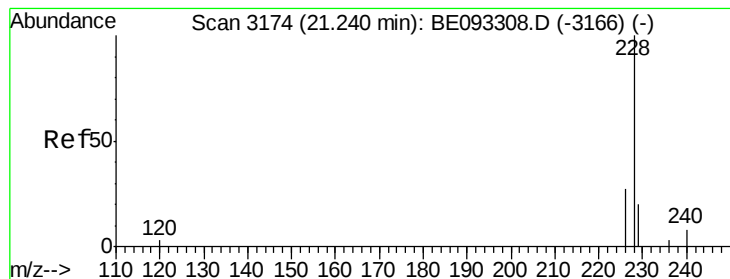
Ion Ratio Lower Upper

202 100

101 16.1 18.2 27.4#

100 13.4 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 2.87 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Instrument :

BNA_E

ClientSampleId :

F5A08

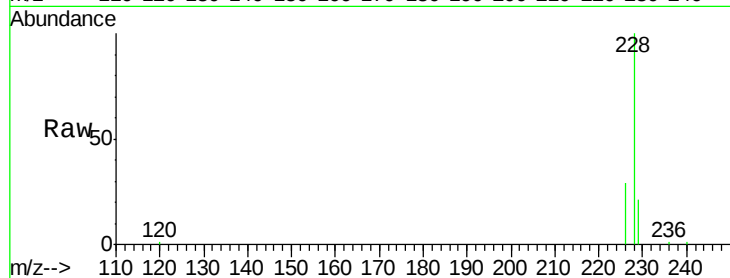
Tgt Ion:228 Resp: 100770

Ion Ratio Lower Upper

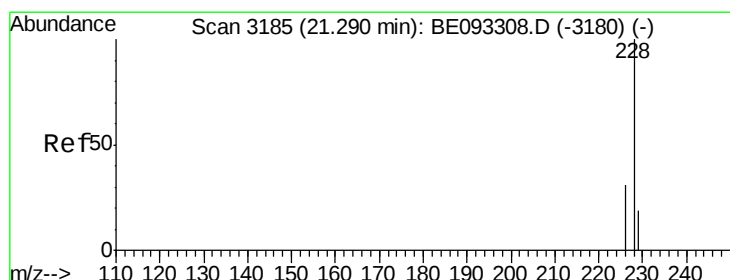
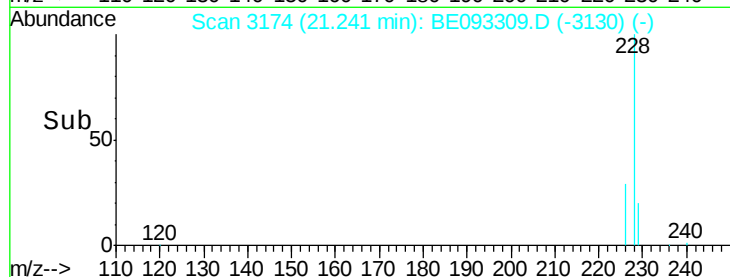
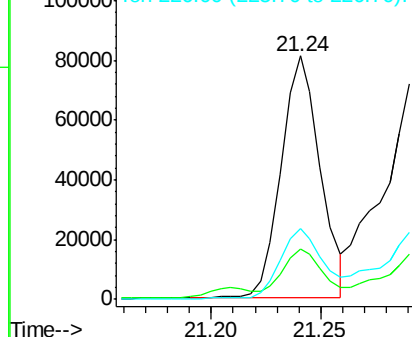
228 100

229 20.7 22.8 34.2#

226 28.9 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: 3.45 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.01 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

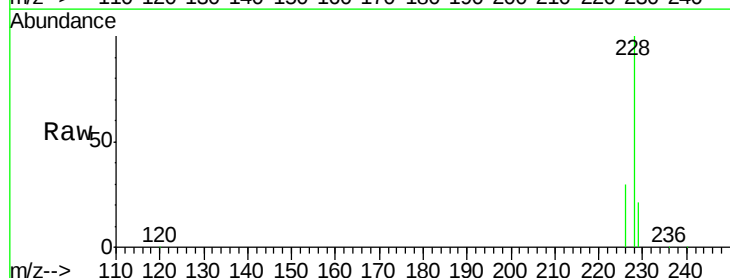
Tgt Ion:228 Resp: 125610

Ion Ratio Lower Upper

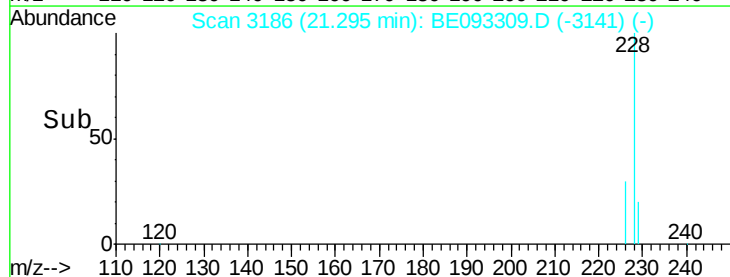
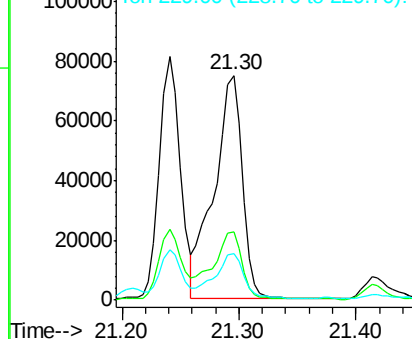
228 100

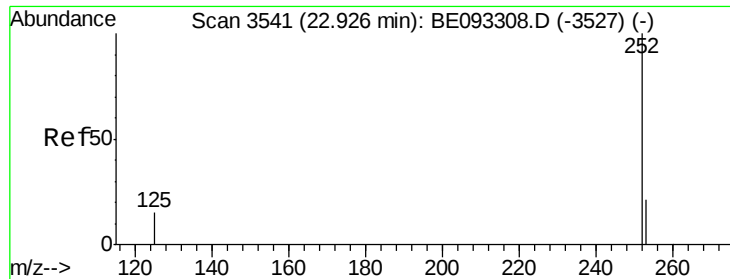
226 30.1 23.4 35.0

229 20.9 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: 0.08 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. 0.01 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Instrument :

BNA_E

ClientSampleId :

F5A08

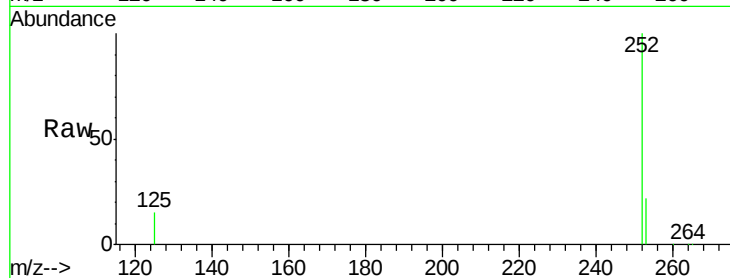
Tgt Ion:252 Resp: 185352

Ion Ratio Lower Upper

252 100

253 22.5 0.0 64.2

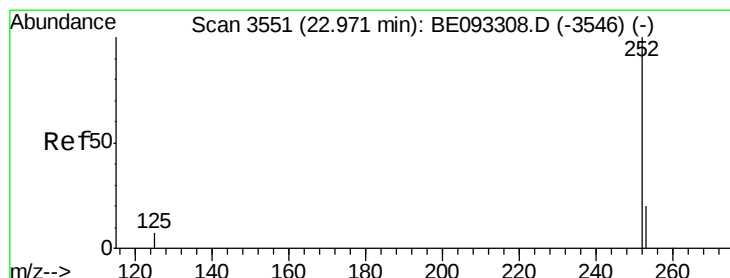
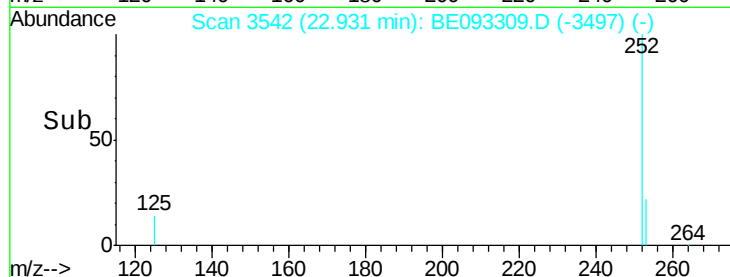
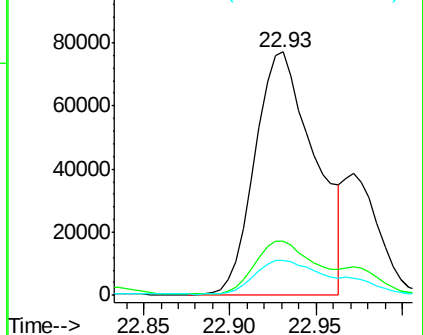
125 14.6 0.0 35.0



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: 0.10 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. -0.04 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

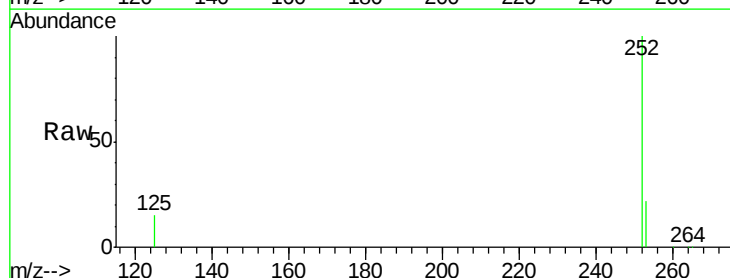
Tgt Ion:252 Resp: 238943

Ion Ratio Lower Upper

252 100

253 22.5 24.5 36.7#

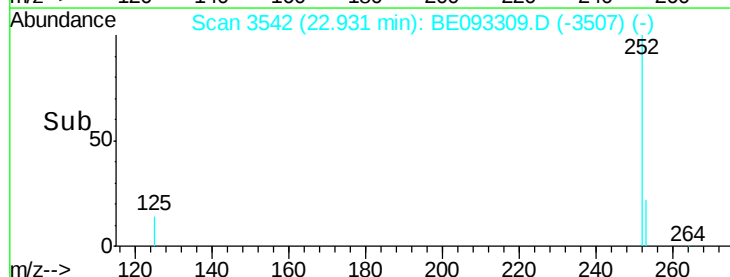
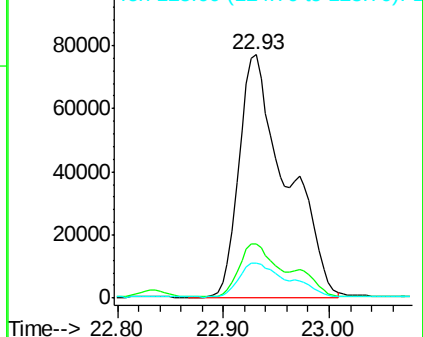
125 14.6 13.7 20.5

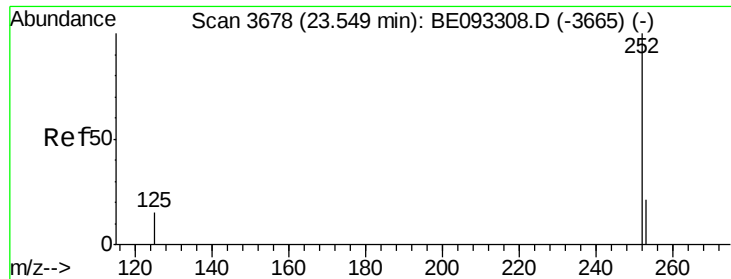


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.04 ng/ul

RT: 23.45 min Scan# 3656

Delta R.T. -0.10 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Instrument :

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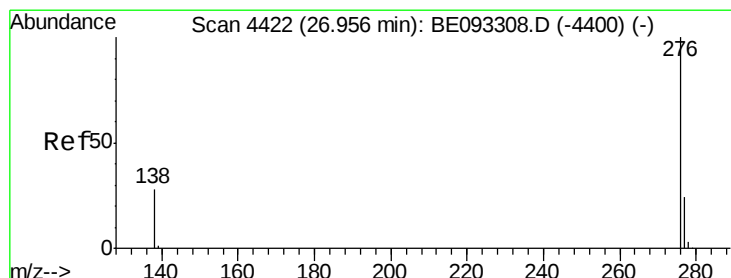
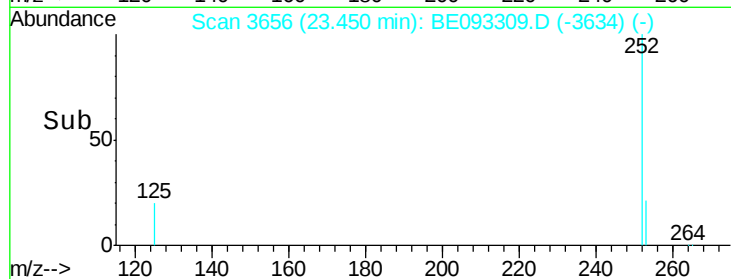
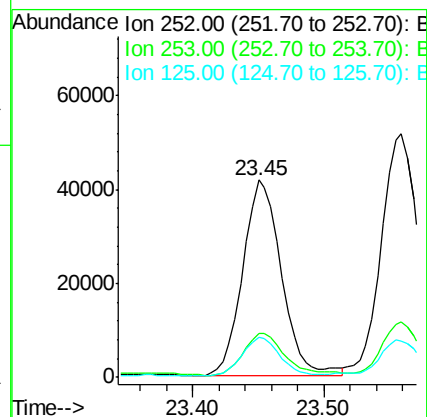
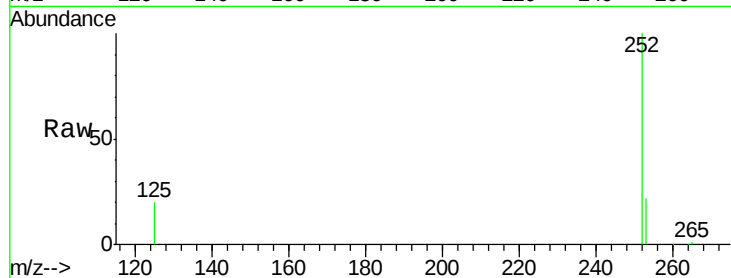
Tgt Ion: 252 Resp: 85961

Ion Ratio Lower Upper

252 100

253 22.4 28.5 42.7#

125 20.5 18.1 27.1



#26

Benzo(g,h,i)perylene

Concen: 0.02 ng/ul

RT: 26.96 min Scan# 4422

Delta R.T. -0.00 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Tgt Ion: 276 Resp: 43792

Ion Ratio Lower Upper

276 100

138 29.5 21.8 32.8

277 24.7 20.5 30.7

