

Data File : BE093171.D
Acq On : 14 Jun 2017 16:02
Operator : SJ/MA
Sample : I3522-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B23

Quant Time: Jun 15 02:28:05 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 02:27:21 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3310	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	16679	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	10439	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	26124	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	1331766	0.40	ng/ul	-0.15

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	6889	0.28	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	18702	0.00	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.57	128	36038	0.87	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	5877	0.21	ng/ul	98
7) Acenaphthylene	14.09	152	37910	0.85	ng/ul	95
8) Acenaphthene	14.43	153	5682	0.16	ng/ul	99
9) Fluorene	15.42	166	4606	0.11	ng/ul	91
17) Pyrene	19.51	202	490711	6.37	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	327475	4.70	ng/ul#	86
19) Chrysene	21.29	228	435378	6.02	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	721047	0.18	ng/ul	87
22) Benzo(k)fluoranthene	22.93	252	960164	0.22	ng/ul#	89
23) Benzo(a)pyrene	23.45	252	333899	0.09	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.91	276	46378	0.01	ng/ul#	69
26) Benzo(g,h,i)perylene	26.95	276	197079	0.05	ng/ul	96

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

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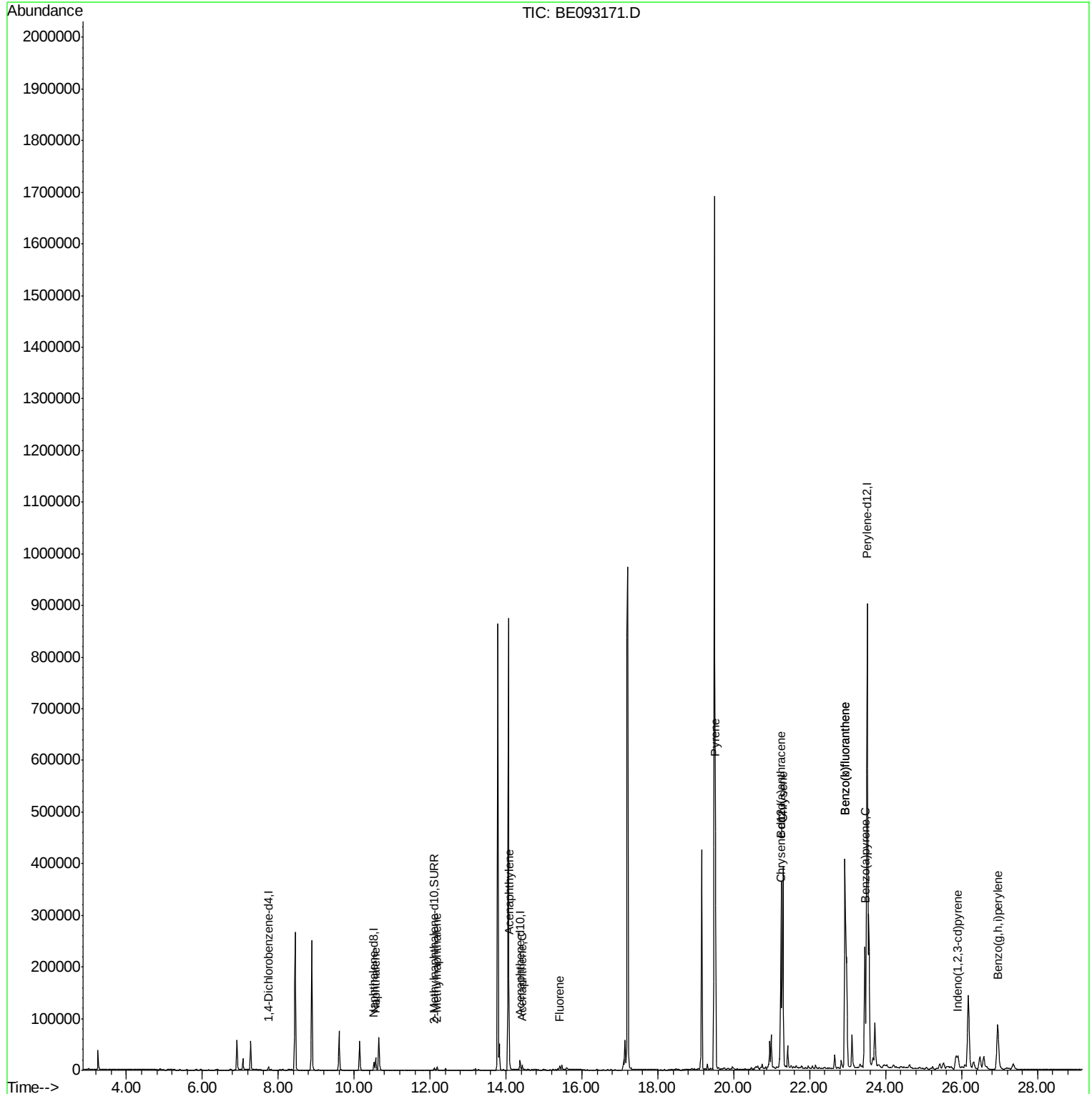
Quant Time: Jun 15 02:28:05 2017

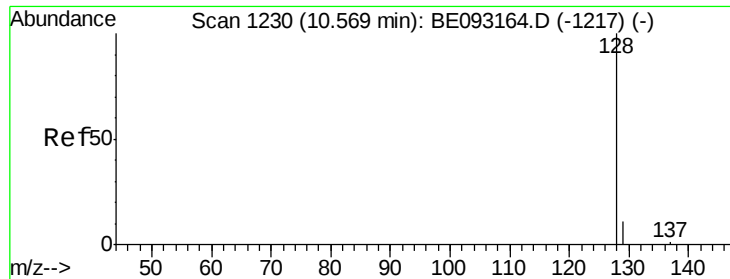
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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QLast Update : Thu Jun 15 02:27:21 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.87 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BE093171.D

Acq: 14 Jun 2017 16:02

Instrument :

BNA_E

ClientSampleId :

F5B23

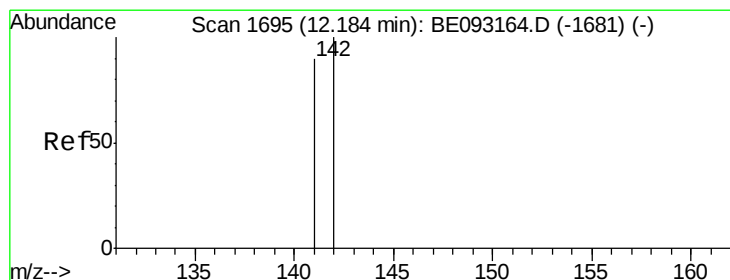
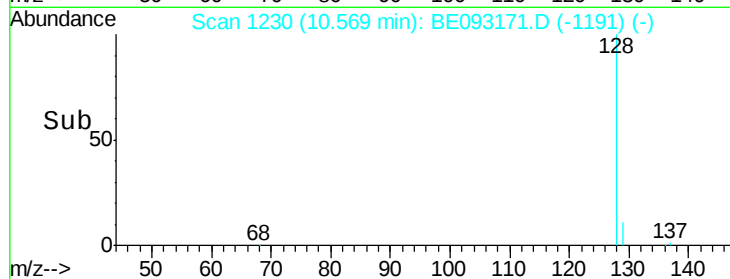
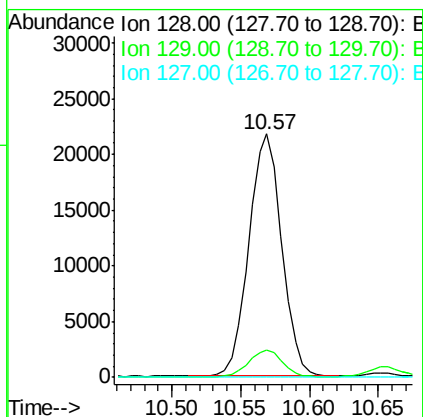
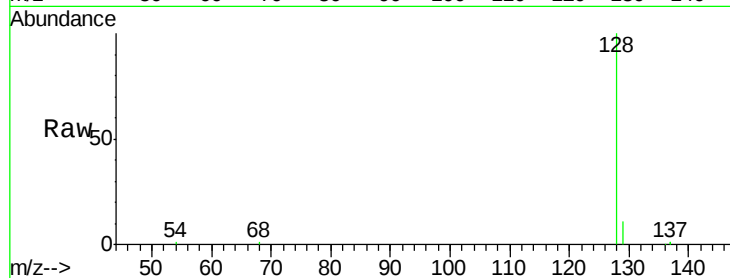
Tgt Ion:128 Resp: 36038

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.21 ng/ul

RT: 12.18 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BE093171.D

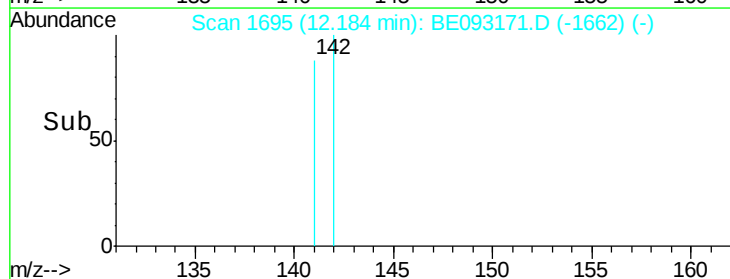
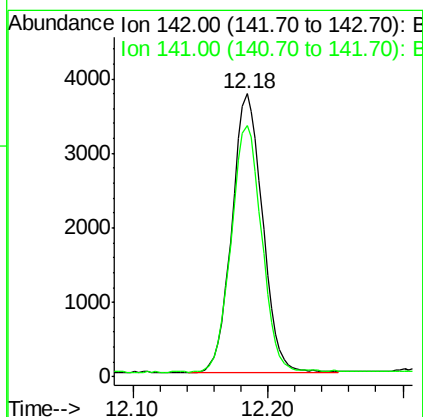
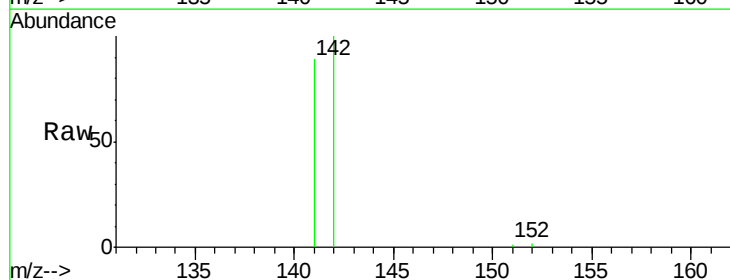
Acq: 14 Jun 2017 16:02

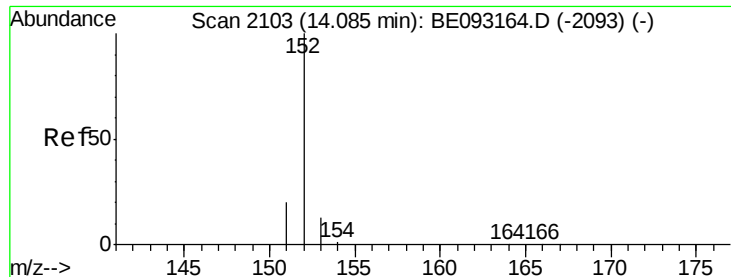
Tgt Ion:142 Resp: 5877

Ion Ratio Lower Upper

142 100

141 88.6 72.6 108.8





#7

Acenaphthylene

Concen: 0.85 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093171.D

Acq: 14 Jun 2017 16:02

Instrument :

BNA_E

ClientSampleId :

F5B23

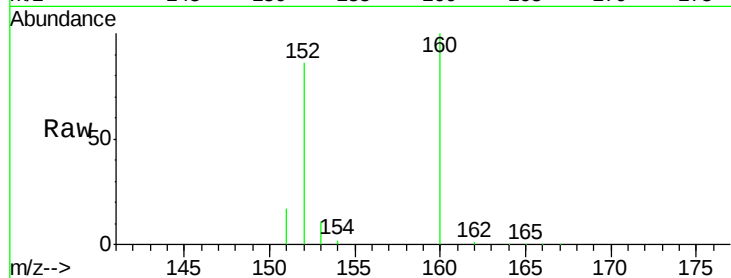
Tgt Ion:152 Resp: 37910

Ion Ratio Lower Upper

152 100

151 19.9 17.1 25.7

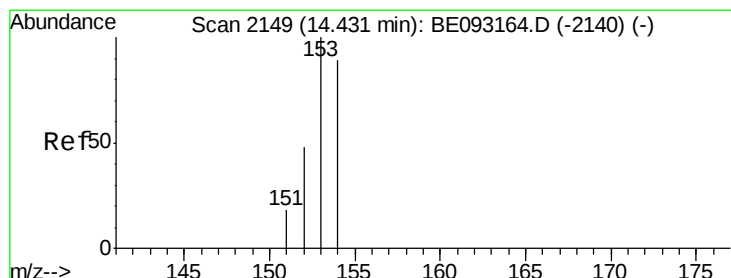
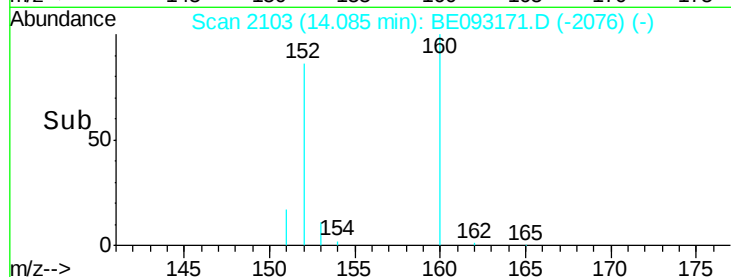
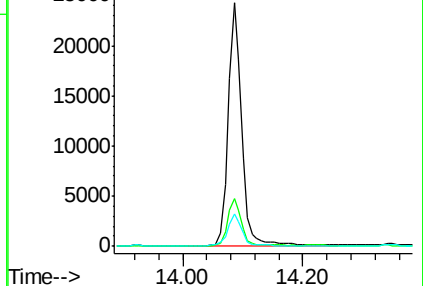
153 13.2 12.8 19.2



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: 0.16 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093171.D

Acq: 14 Jun 2017 16:02

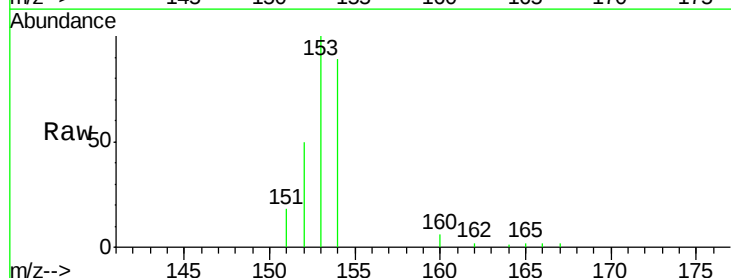
Tgt Ion:153 Resp: 5682

Ion Ratio Lower Upper

153 100

152 49.5 40.3 60.5

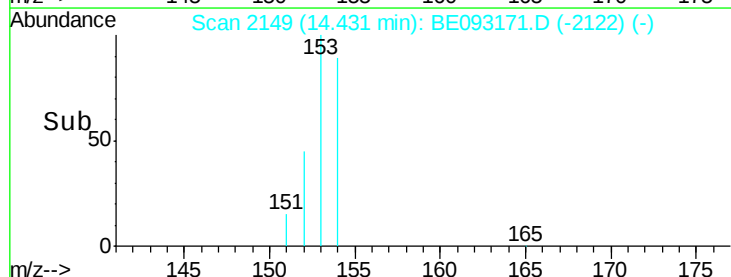
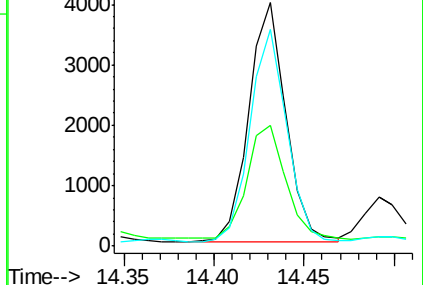
154 89.0 71.4 107.2

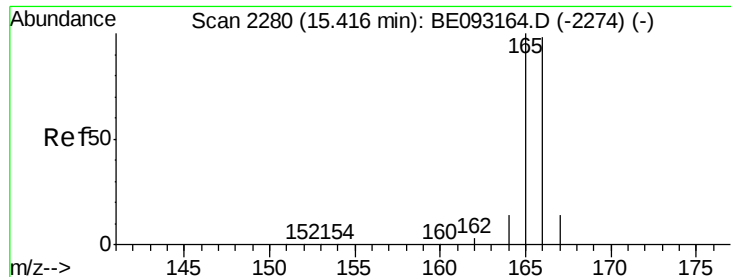


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.11 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093171.D

Acq: 14 Jun 2017 16:02

Instrument :

BNA_E

ClientSampleId :

F5B23

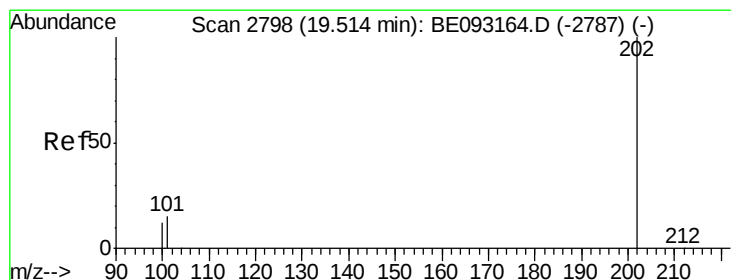
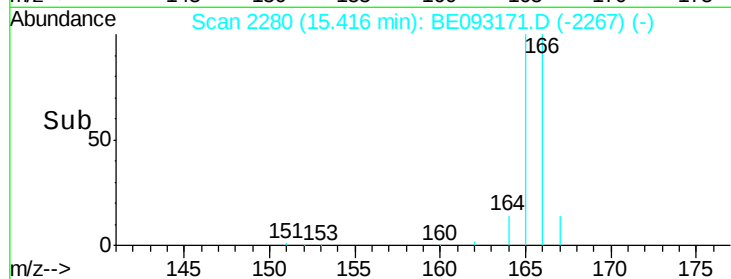
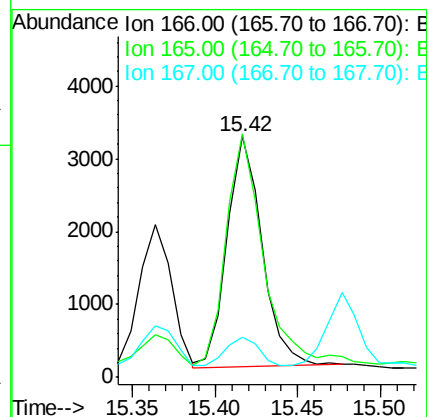
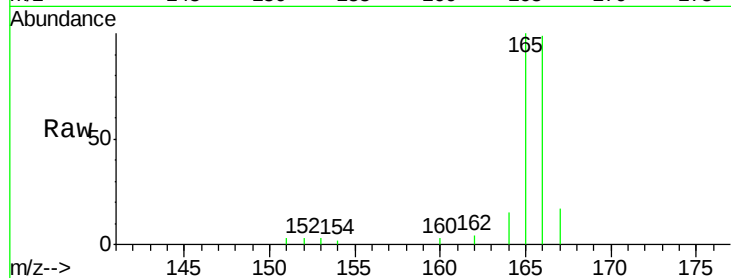
Tgt Ion:166 Resp: 4606

Ion Ratio Lower Upper

166 100

165 101.1 73.4 110.2

167 16.8 14.6 22.0



#17

Pyrene

Concen: 6.37 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093171.D

Acq: 14 Jun 2017 16:02

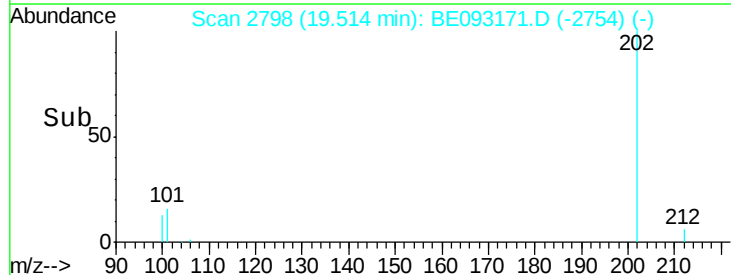
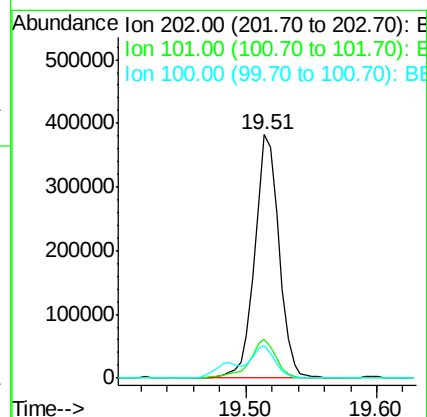
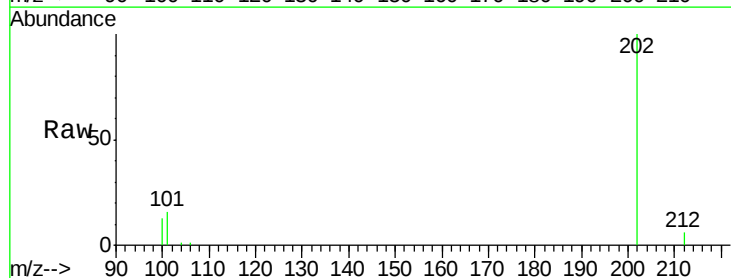
Tgt Ion:202 Resp: 490711

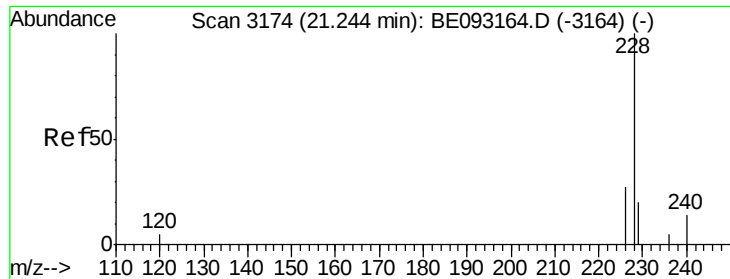
Ion Ratio Lower Upper

202 100

101 16.1 18.2 27.4#

100 13.3 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 4.70 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093171.D

Acq: 14 Jun 2017 16:02

Instrument :

BNA_E

ClientSampleId :

F5B23

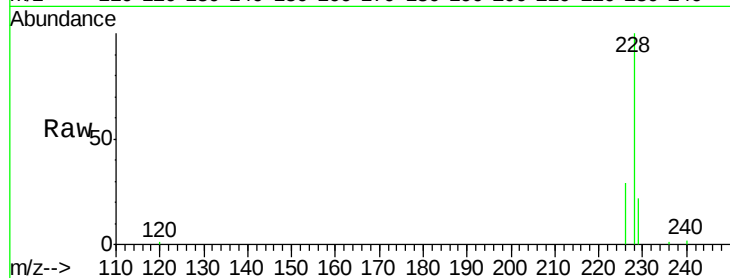
Tgt Ion:228 Resp: 327475

Ion Ratio Lower Upper

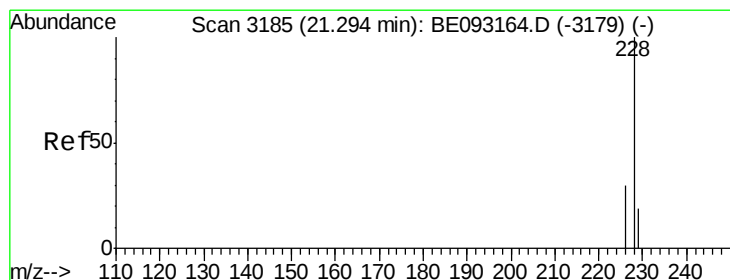
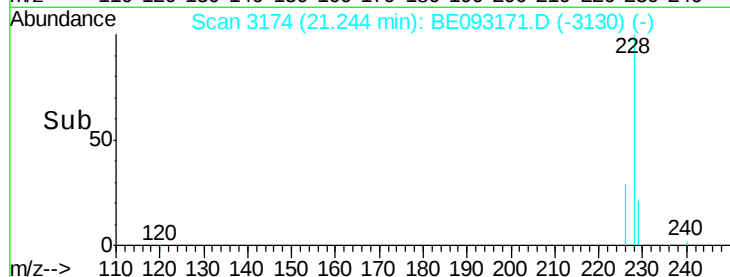
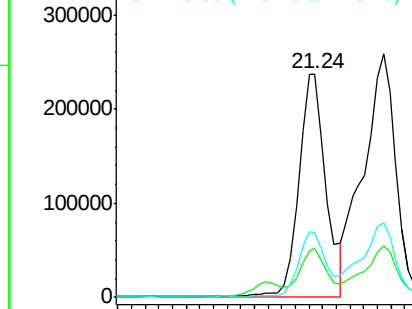
228 100

229 21.8 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: 6.02 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. 0.00 min

Lab File: BE093171.D

Acq: 14 Jun 2017 16:02

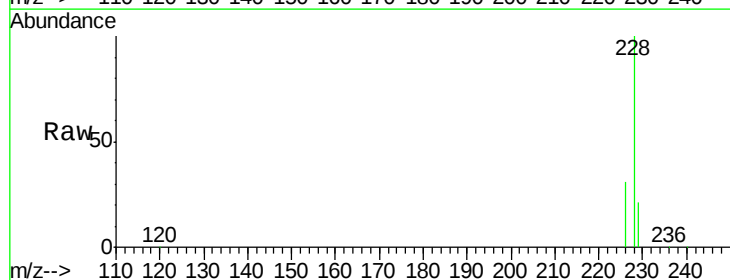
Tgt Ion:228 Resp: 435378

Ion Ratio Lower Upper

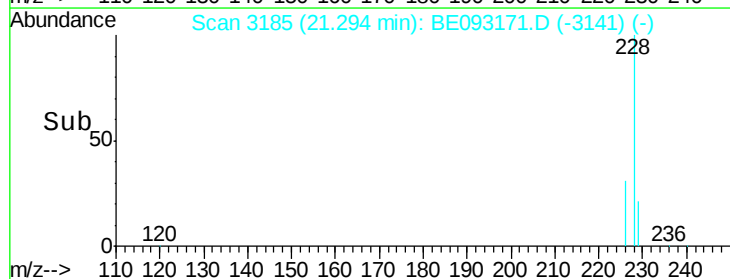
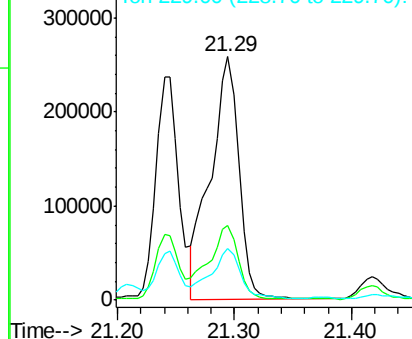
228 100

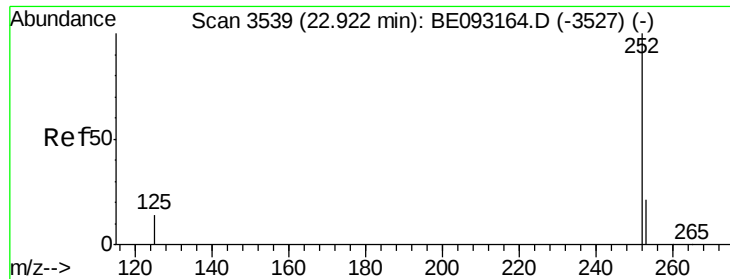
226 30.7 23.4 35.0

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: 0.18 ng/u1

RT: 22.93 min Scan# 3541

Delta R.T. 0.01 min

Lab File: BE093171.D

Acq: 14 Jun 2017 16:02

Instrument :

BNA_E

ClientSampleId :

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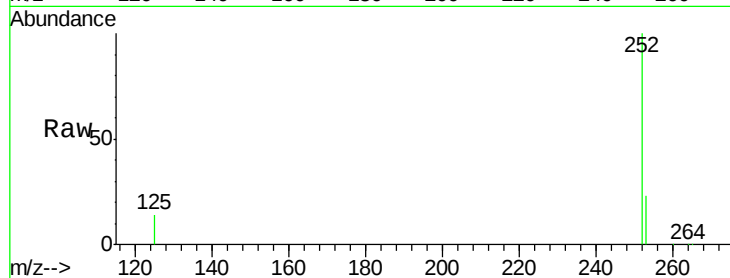
Tgt Ion:252 Resp: 721047

Ion Ratio Lower Upper

252 100

253 23.0 0.0 64.2

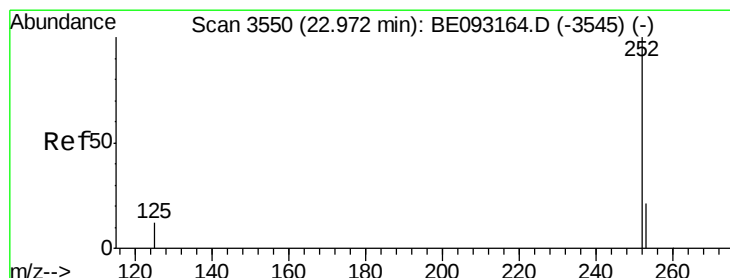
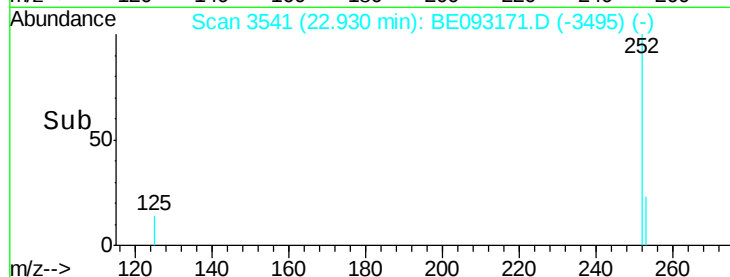
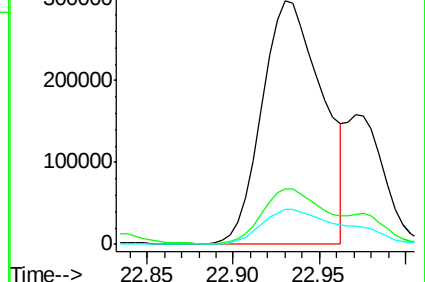
125 14.2 0.0 35.0



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: 0.22 ng/u1

RT: 22.93 min Scan# 3541

Delta R.T. -0.04 min

Lab File: BE093171.D

Acq: 14 Jun 2017 16:02

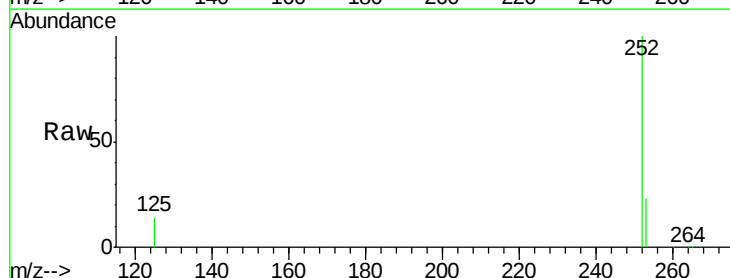
Tgt Ion:252 Resp: 960164

Ion Ratio Lower Upper

252 100

253 23.0 24.5 36.7#

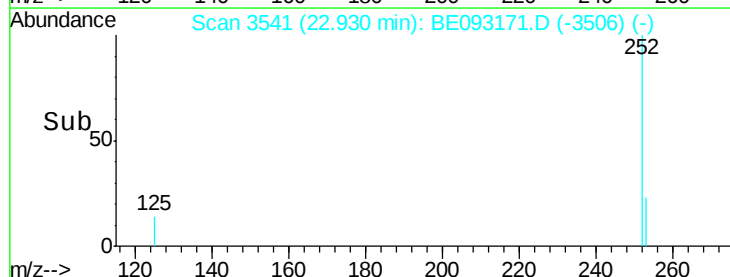
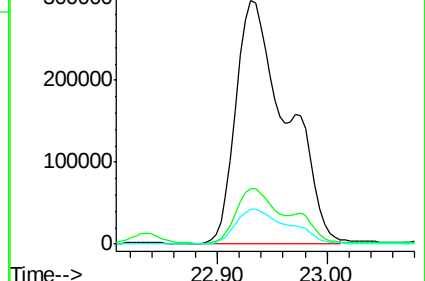
125 14.2 13.7 20.5

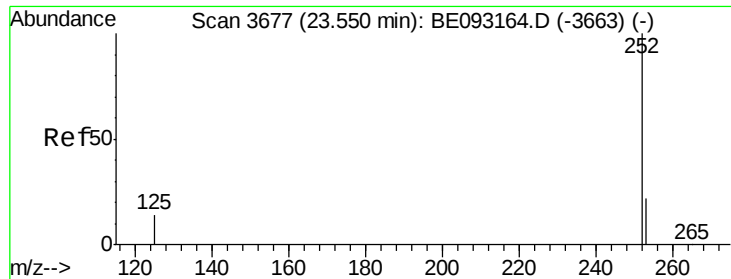


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 23.45 min Scan# 3656

Delta R.T. -0.10 min

Lab File: BE093171.D

Acq: 14 Jun 2017 16:02

Instrument :

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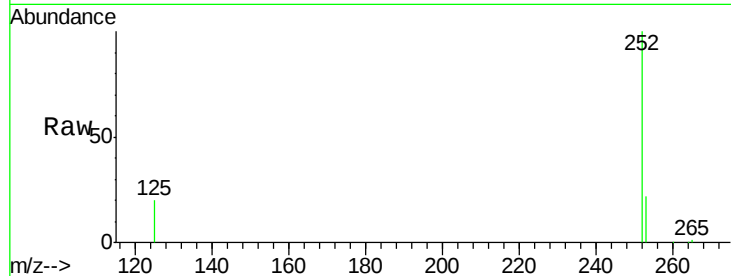
Tgt Ion:252 Resp: 333899

Ion Ratio Lower Upper

252 100

253 22.4 28.5 42.7#

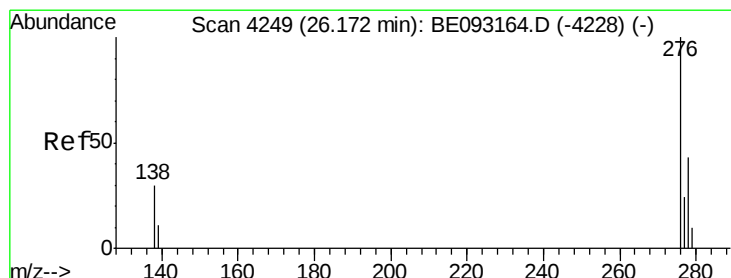
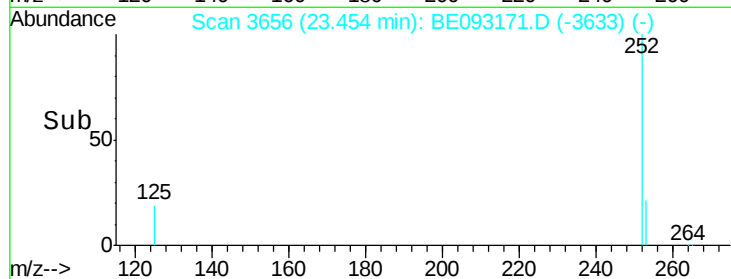
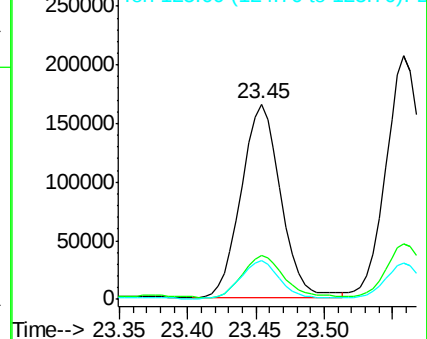
125 19.8 18.1 27.1



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: 0.01 ng/u1

RT: 25.91 min Scan# 4192

Delta R.T. -0.26 min

Lab File: BE093171.D

Acq: 14 Jun 2017 16:02

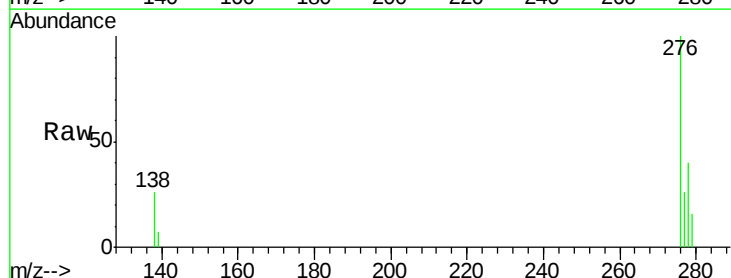
Tgt Ion:276 Resp: 46378

Ion Ratio Lower Upper

276 100

138 16.6 28.0 42.0#

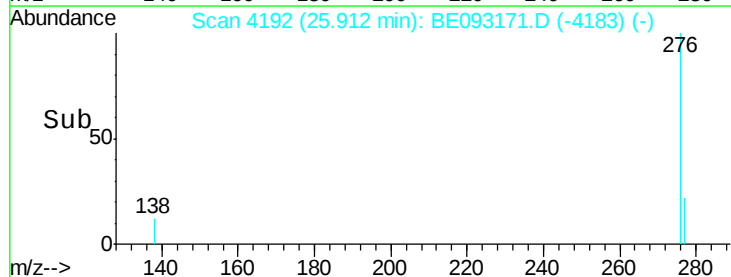
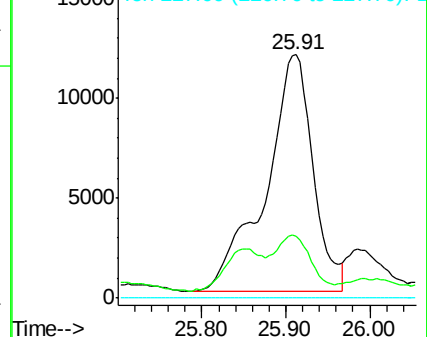
227 0.0 8.0 12.0#

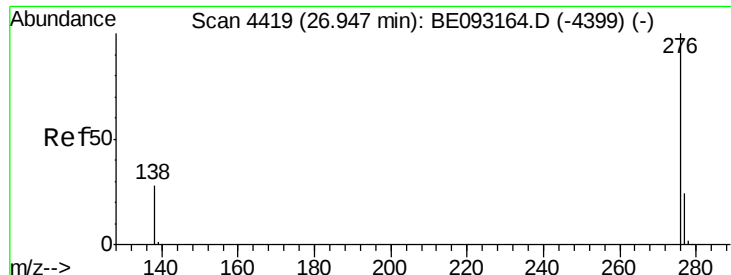


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.05 ng/ul

RT: 26.95 min Scan# 4420

Delta R.T. 0.00 min

Lab File: BE093171.D

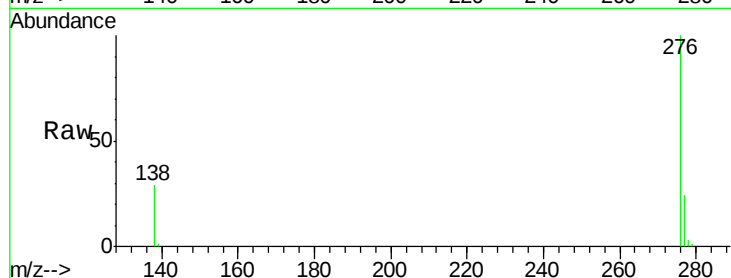
Acq: 14 Jun 2017 16:02

Instrument :

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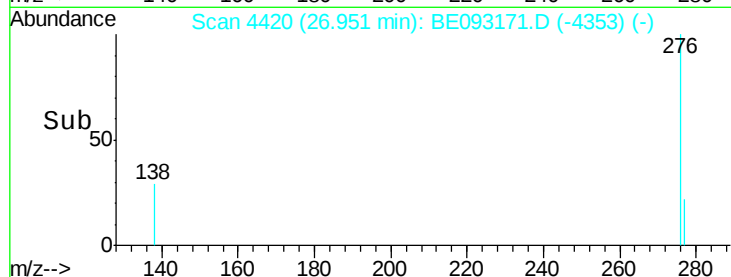
Tgt Ion: 276 Resp: 197079

Ion Ratio Lower Upper

276 100

138 29.3 21.8 32.8

277 23.9 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

