

Data File : BE093339.D
Acq On : 23 Jun 2017 15:50
Operator : SJ/JU
Sample : I3625-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B06

Quant Time: Jun 24 03:59:06 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 03:58:33 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1664	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	8737	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5548	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	13252	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13927	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	14536	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	2475	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	6936	0.19	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.56	128	1973	0.09	ng/ul#	95
5) 2-Methylnaphthalene	12.18	142	562	0.04	ng/ul	98
7) Acenaphthylene	14.09	152	17126	0.72	ng/ul	95
8) Acenaphthene	14.42	153	902	0.05	ng/ul	96
9) Fluorene	15.42	166	1041	0.05	ng/ul#	91
11) Pentachlorophenol	16.75	266	63	0.03	ng/ul	90
12) Phenanthrene	17.14	178	10073	0.28	ng/ul#	92
13) Anthracene	17.22	178	26127	0.82	ng/ul#	90
15) Fluoranthene	19.15	202	96123	2.15	ng/ul	84
17) Pyrene	19.51	202	150192	3.66	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	71663	1.93	ng/ul#	85
19) Chrysene	21.29	228	98933	2.57	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	256051	5.80	ng/ul	87
22) Benzo(k)fluoranthene	23.11	252	24988	0.53	ng/ul	93
23) Benzo(a)pyrene	23.55	252	90757	2.18	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	62099	1.29	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.19	278	16561	0.41	ng/ul#	85
26) Benzo(g,h,i)perylene	26.96	276	46070	1.11	ng/ul	96

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

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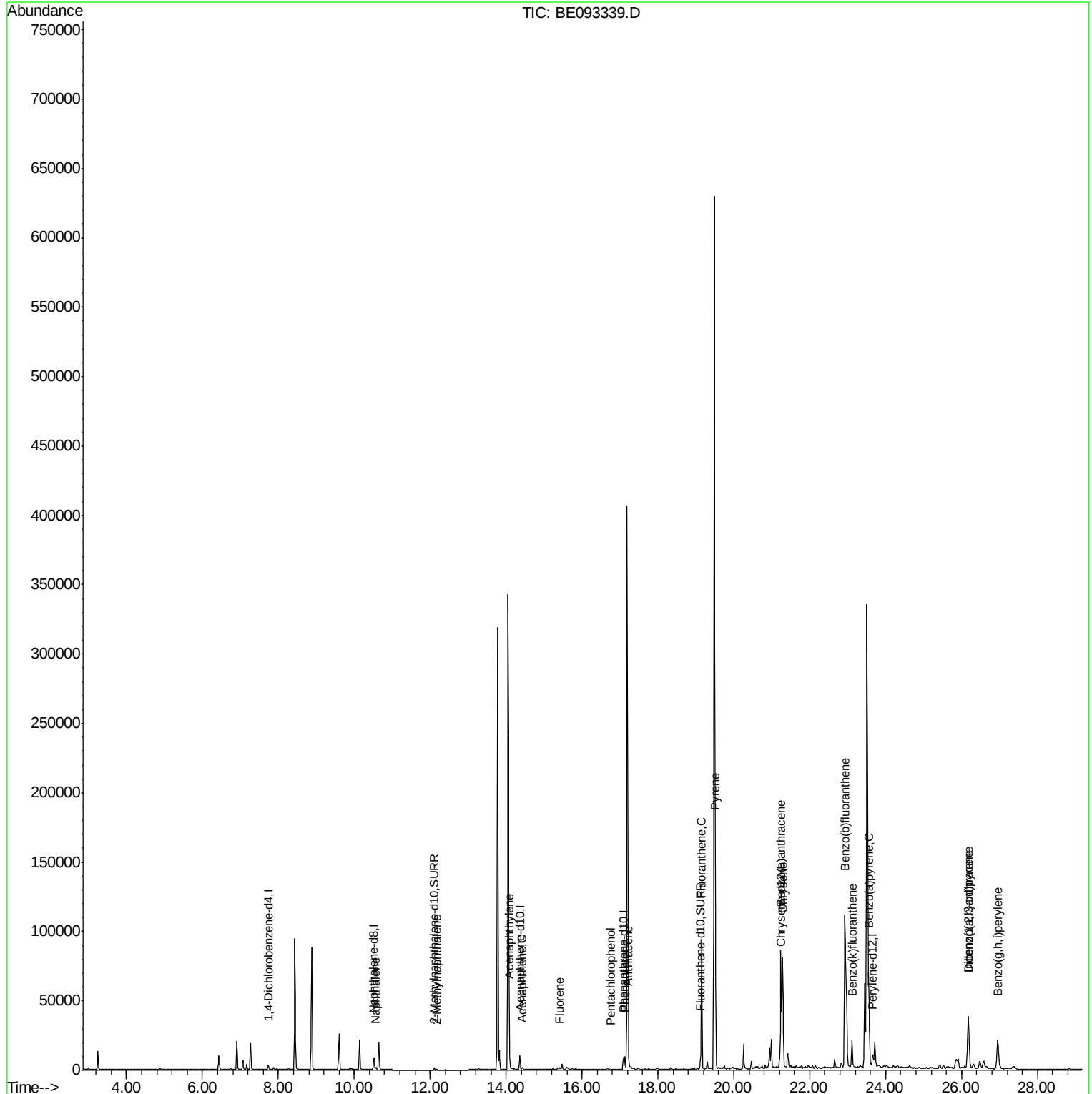
Quant Time: Jun 24 03:59:06 2017

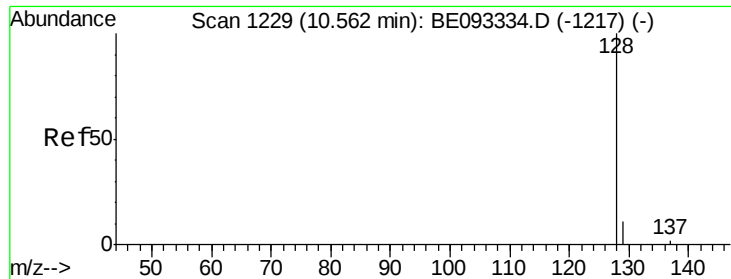
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Jun 24 03:58:33 2017

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#3

Naphthalene

Concen: 0.09 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093339.D

Acq: 23 Jun 2017 15:50

Instrument :

BNA_E

ClientSampleId :

F5B06

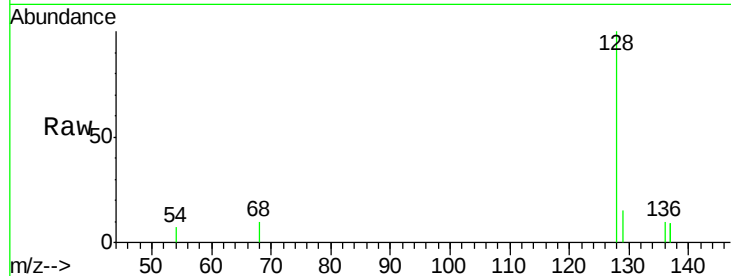
Tgt Ion:128 Resp: 1973

Ion Ratio Lower Upper

128 100

129 14.8 11.3 16.9

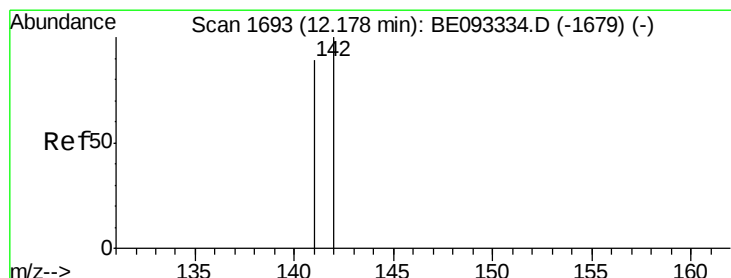
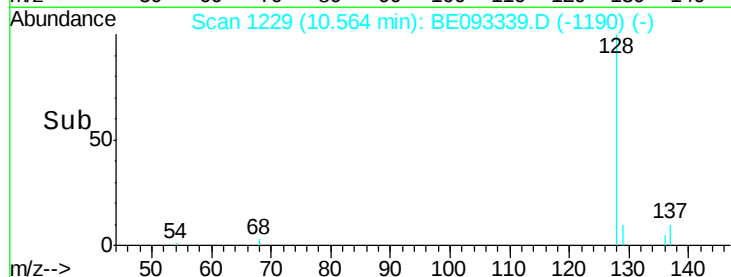
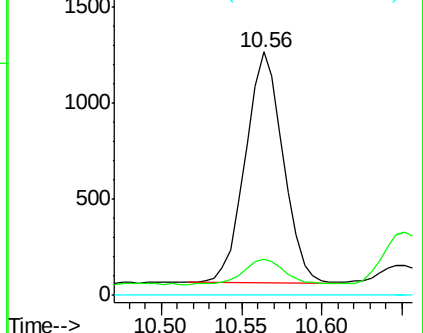
127 0.0 4.0 6.0#



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: 0.04 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. 0.00 min

Lab File: BE093339.D

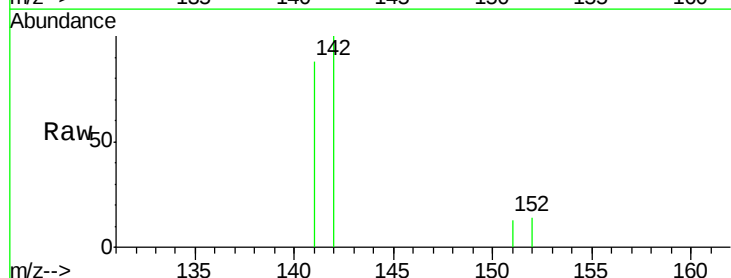
Acq: 23 Jun 2017 15:50

Tgt Ion:142 Resp: 562

Ion Ratio Lower Upper

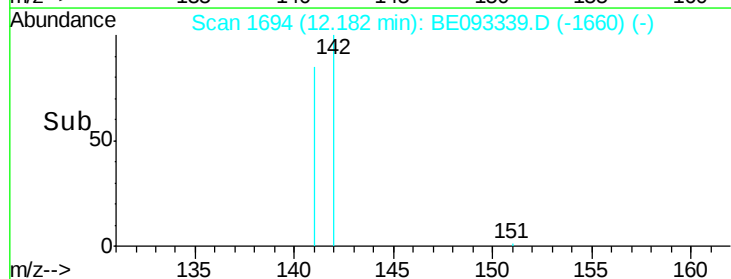
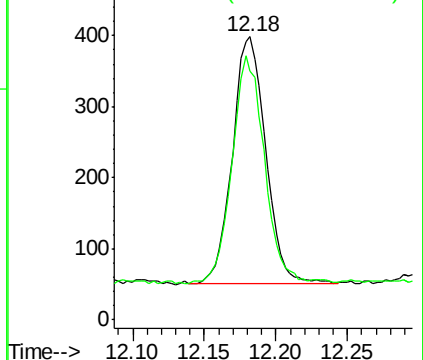
142 100

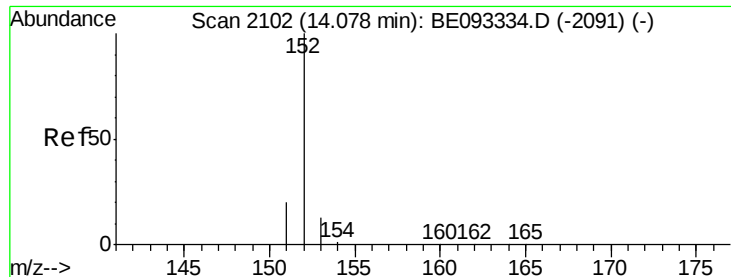
141 88.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.72 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BE093339.D

Acq: 23 Jun 2017 15:50

Instrument :

BNA_E

ClientSampleId :

F5B06

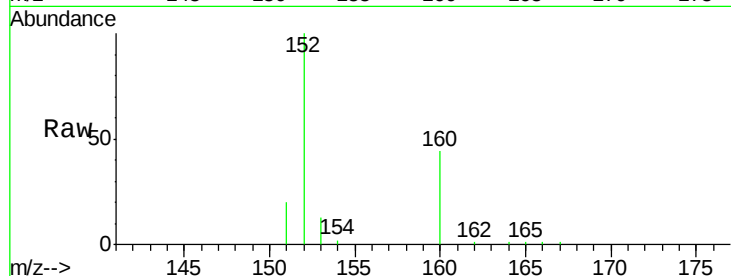
Tgt Ion:152 Resp: 17126

Ion Ratio Lower Upper

152 100

151 19.7 17.1 25.7

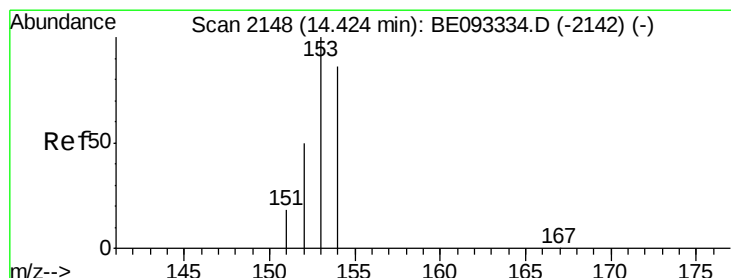
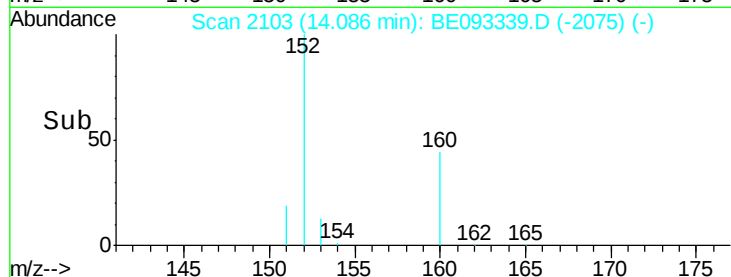
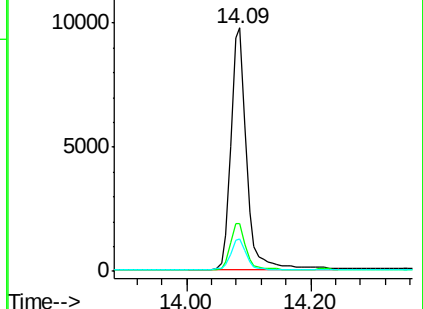
153 13.4 12.8 19.2



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: 0.05 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. 0.00 min

Lab File: BE093339.D

Acq: 23 Jun 2017 15:50

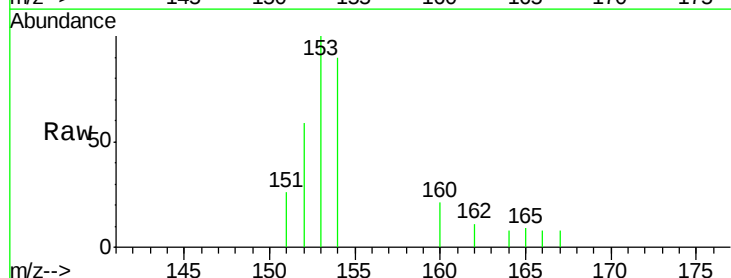
Tgt Ion:153 Resp: 902

Ion Ratio Lower Upper

153 100

152 58.5 40.3 60.5

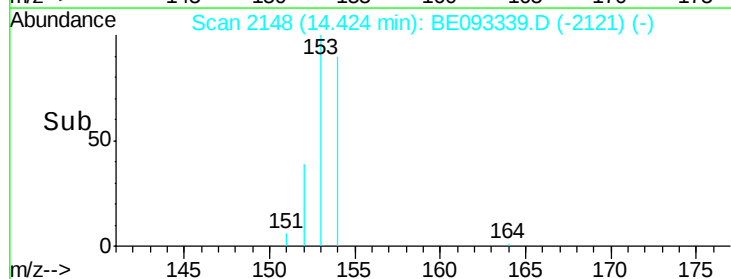
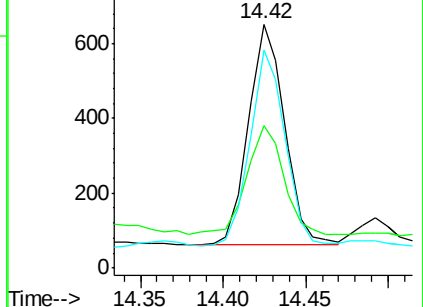
154 89.6 71.4 107.2

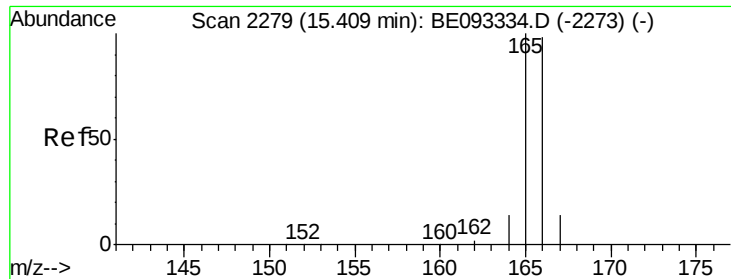


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

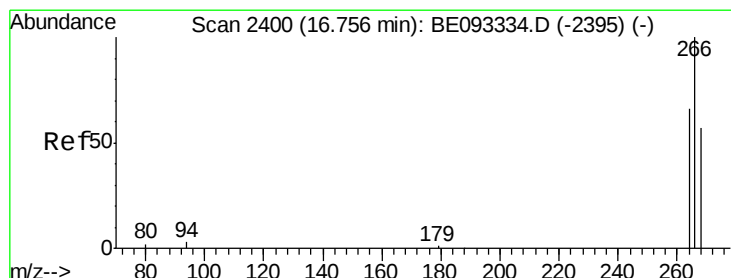
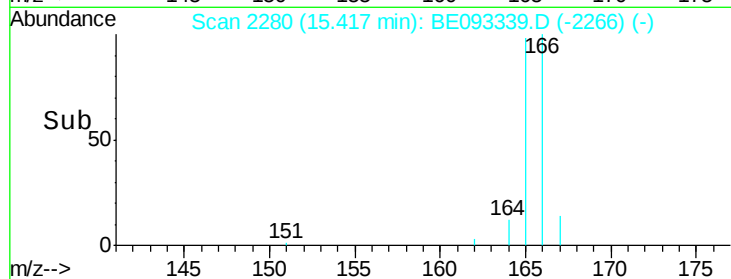
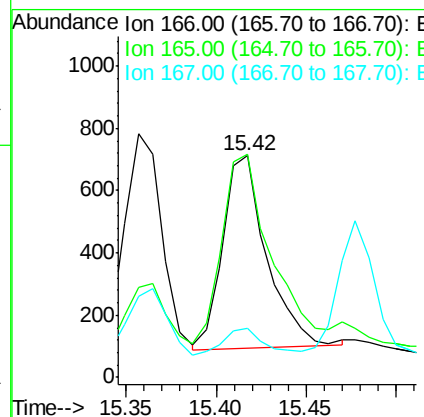
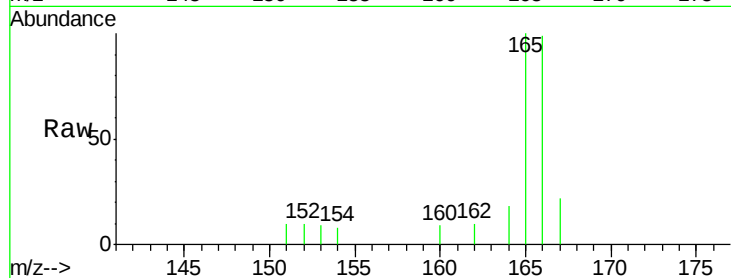




#9
Fluorene
 Concen: 0.05 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BE093339.D
 Acq: 23 Jun 2017 15:50

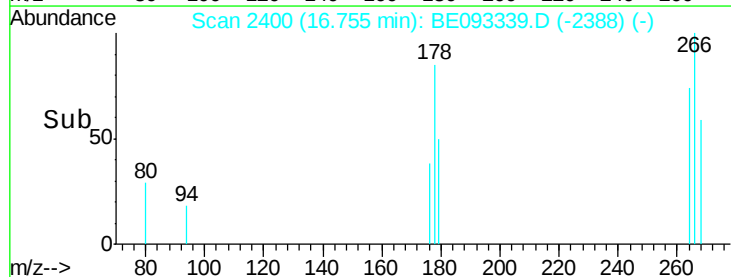
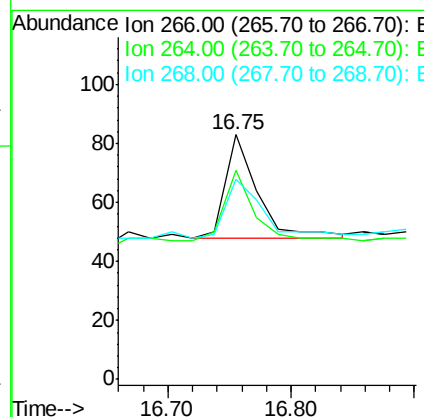
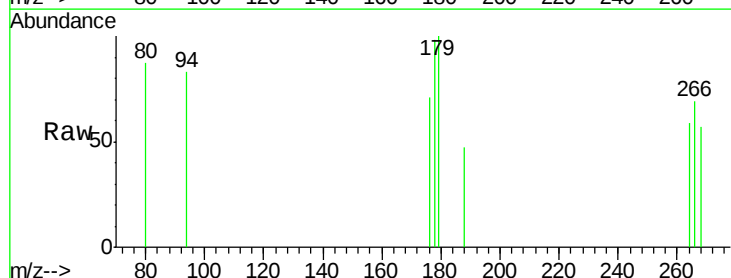
Instrument :
 BNA_E
 ClientSampleId :
 F5B06

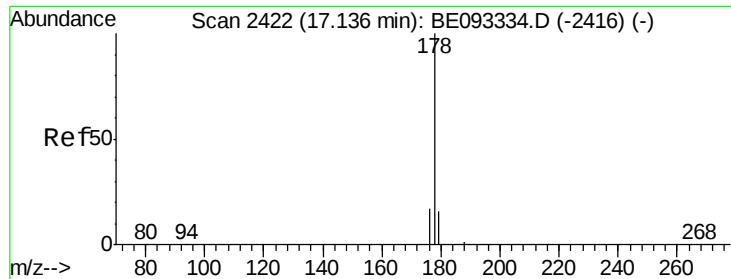
Tgt Ion:166 Resp: 1041
 Ion Ratio Lower Upper
 166 100
 165 100.8 73.4 110.2
 167 22.1 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.03 ng/ul
 RT: 16.75 min Scan# 2400
 Delta R.T. -0.00 min
 Lab File: BE093339.D
 Acq: 23 Jun 2017 15:50

Tgt Ion:266 Resp: 63
 Ion Ratio Lower Upper
 266 100
 264 66.7 47.9 71.9
 268 71.4 49.8 74.8





#12

Phenanthrene

Concen: 0.28 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093339.D

Acq: 23 Jun 2017 15:50

Instrument :

BNA_E

ClientSampleId :

F5B06

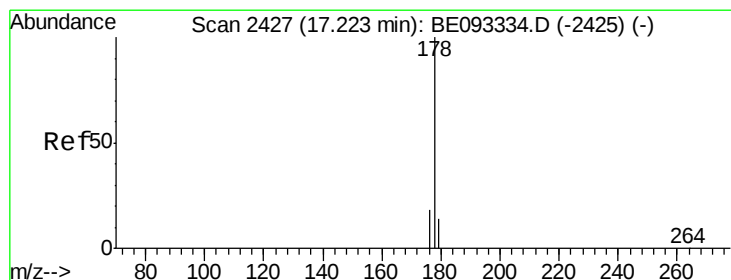
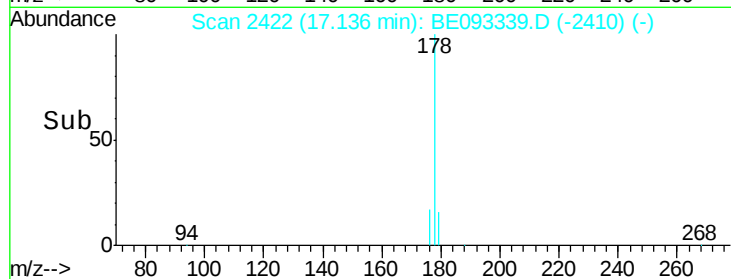
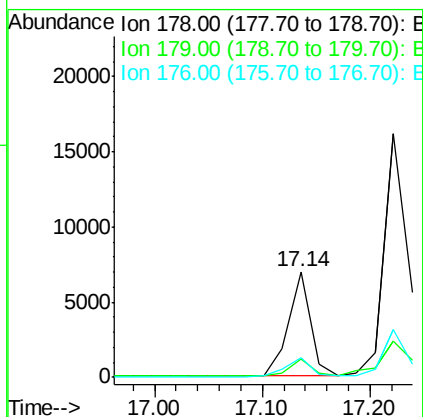
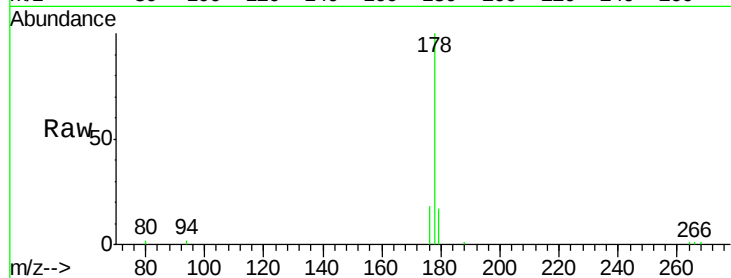
Tgt Ion:178 Resp: 10073

Ion Ratio Lower Upper

178 100

179 17.0 18.4 27.6#

176 18.0 13.6 20.4



#13

Anthracene

Concen: 0.82 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093339.D

Acq: 23 Jun 2017 15:50

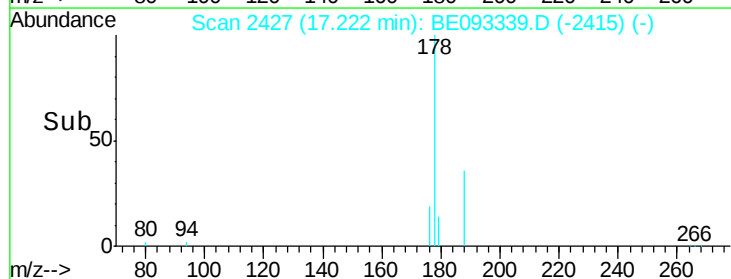
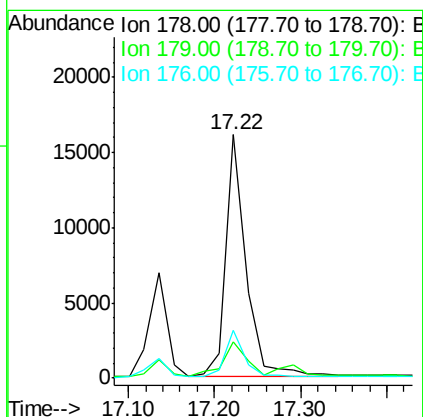
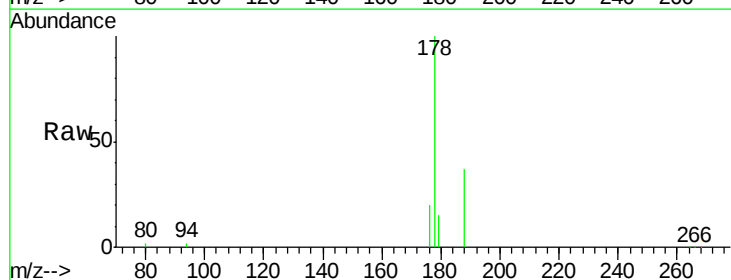
Tgt Ion:178 Resp: 26127

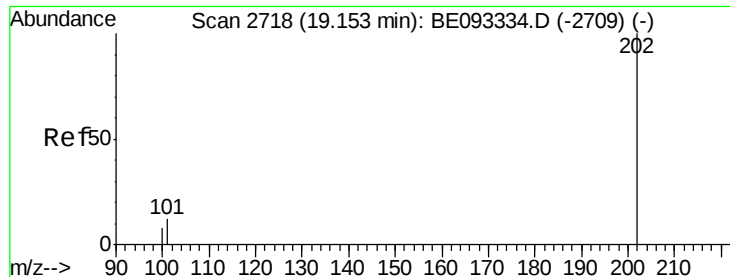
Ion Ratio Lower Upper

178 100

179 14.7 18.1 27.1#

176 19.5 14.7 22.1





#15

Fluoranthene

Concen: 2.15 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093339.D

Acq: 23 Jun 2017 15:50

Instrument :

BNA_E

ClientSampleId :

F5B06

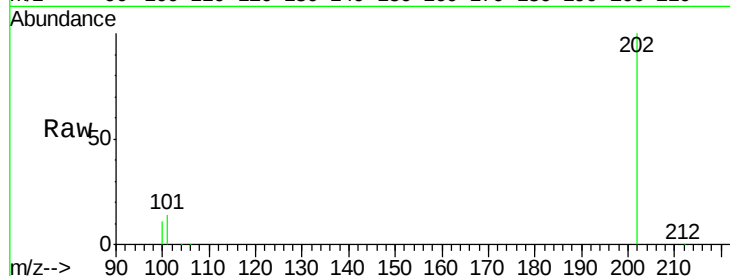
Tgt Ion:202 Resp: 96123

Ion Ratio Lower Upper

202 100

101 14.1 0.0 30.3

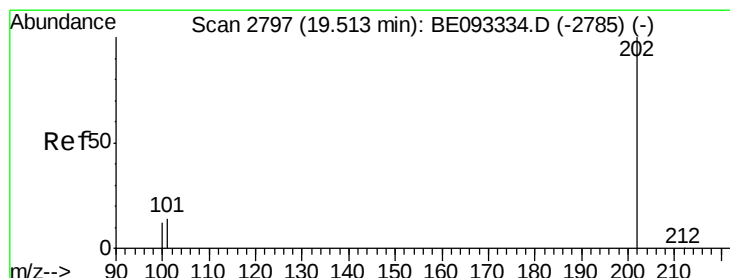
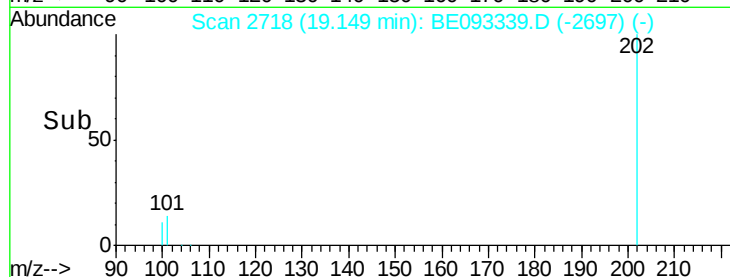
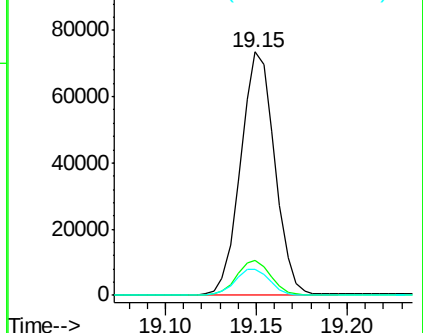
100 10.7 0.0 39.5



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): BE



#17

Pyrene

Concen: 3.66 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093339.D

Acq: 23 Jun 2017 15:50

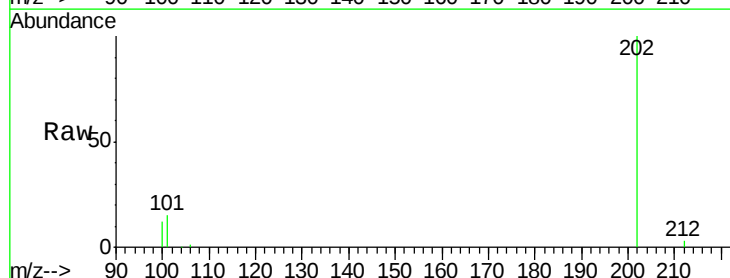
Tgt Ion:202 Resp: 150192

Ion Ratio Lower Upper

202 100

101 15.0 18.2 27.4#

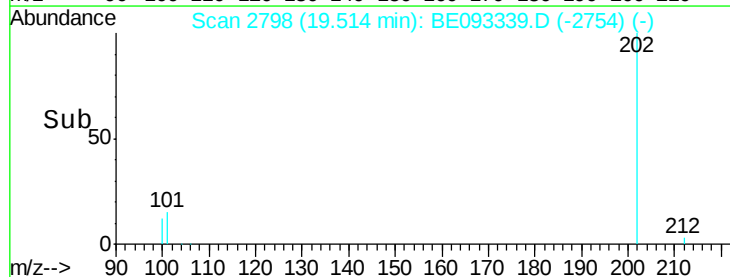
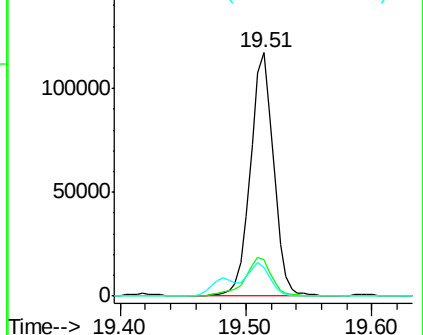
100 11.9 15.6 23.4#

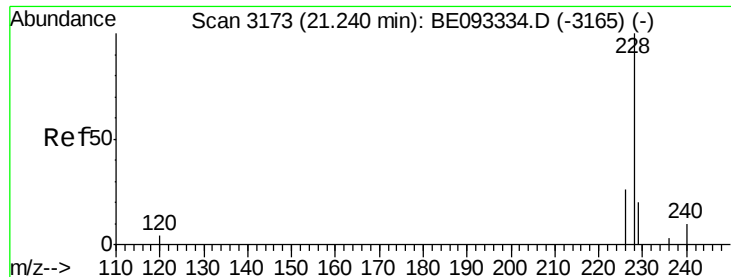


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 1.93 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093339.D

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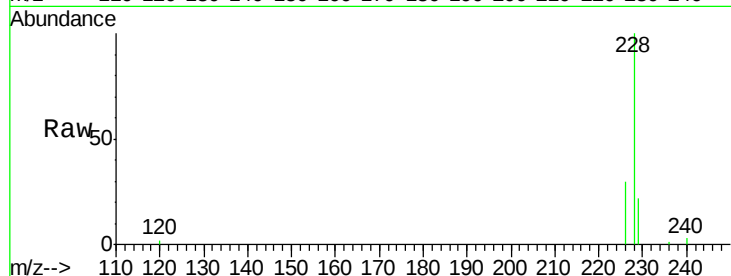
Tgt Ion:228 Resp: 71663

Ion Ratio Lower Upper

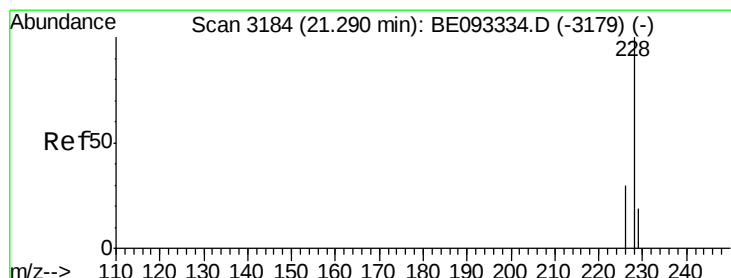
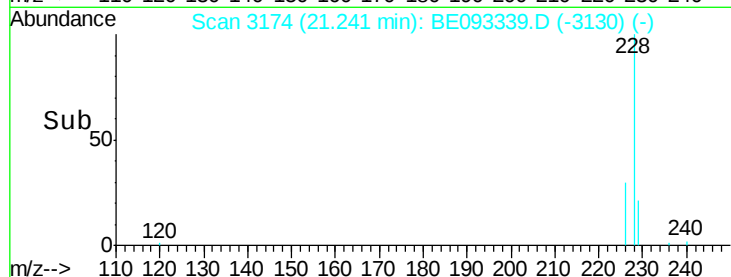
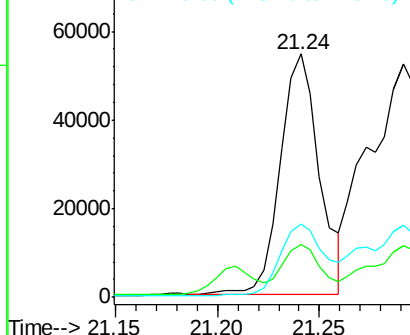
228 100

229 21.7 22.8 34.2#

226 30.2 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: 2.57 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. 0.00 min

Lab File: BE093339.D

Acq: 23 Jun 2017 15:50

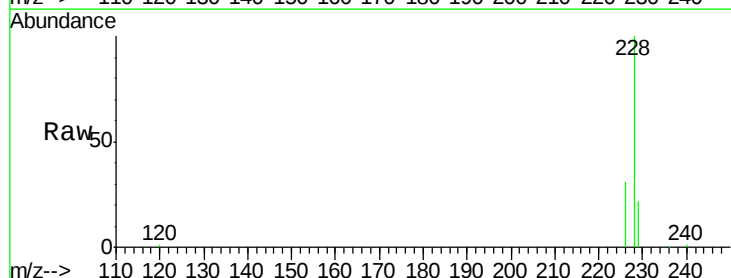
Tgt Ion:228 Resp: 98933

Ion Ratio Lower Upper

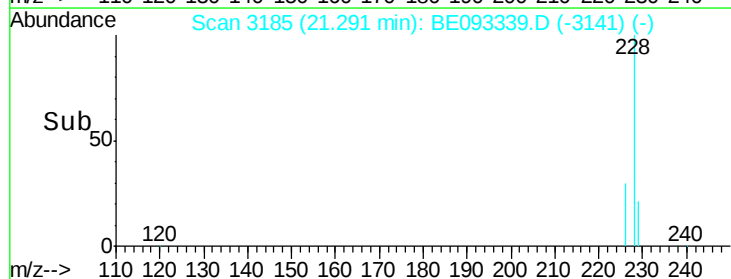
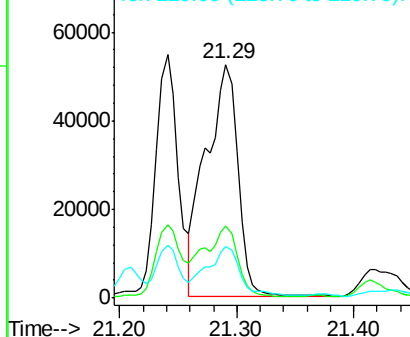
228 100

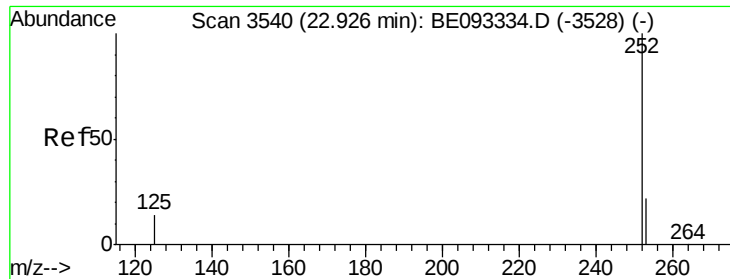
226 30.8 23.4 35.0

229 22.0 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: 5.80 ng/u1

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093339.D

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F5B06

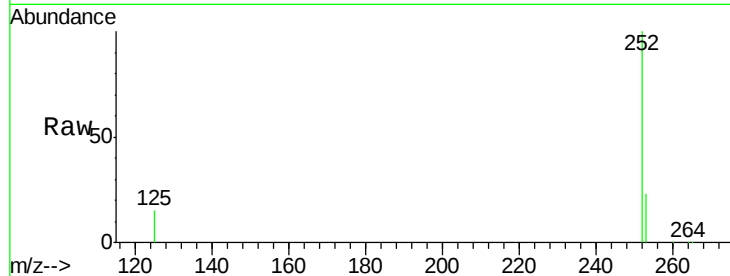
Tgt Ion:252 Resp: 256051

Ion Ratio Lower Upper

252 100

253 22.6 0.0 64.2

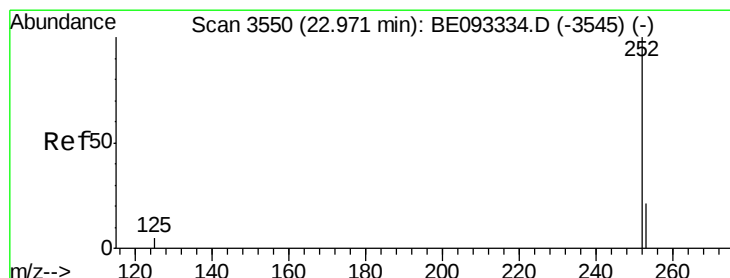
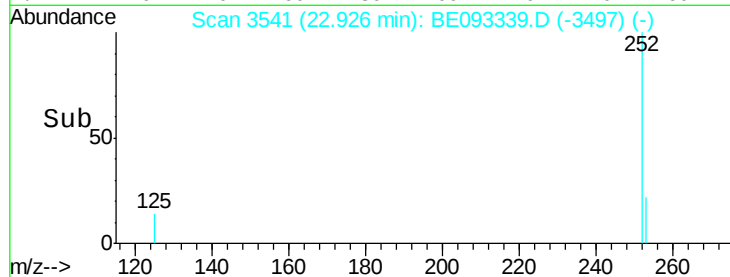
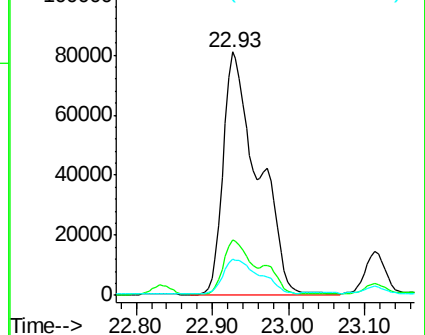
125 14.7 0.0 35.0



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: 0.53 ng/u1

RT: 23.11 min Scan# 3582

Delta R.T. 0.14 min

Lab File: BE093339.D

Acq: 23 Jun 2017 15:50

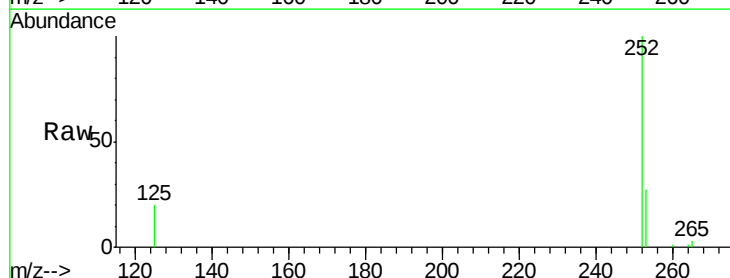
Tgt Ion:252 Resp: 24988

Ion Ratio Lower Upper

252 100

253 26.8 24.5 36.7

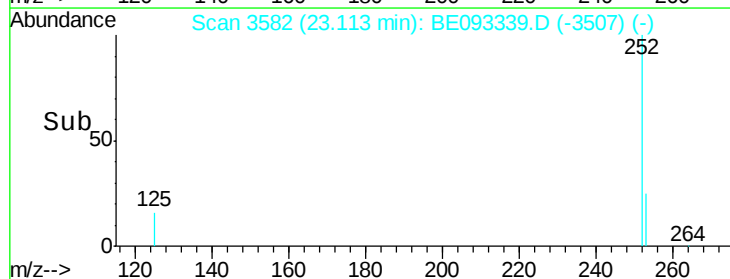
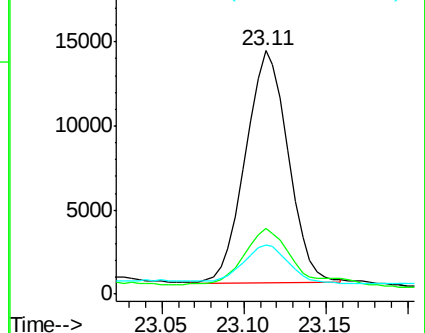
125 20.1 13.7 20.5

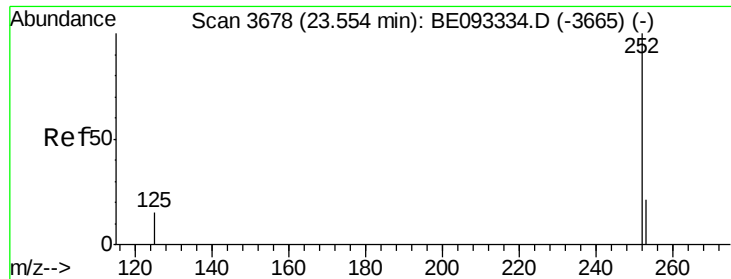


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.18 ng/ul

RT: 23.55 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BE093339.D

Acq: 23 Jun 2017 15:50

Instrument :

BNA_E

ClientSampleId :

F5B06

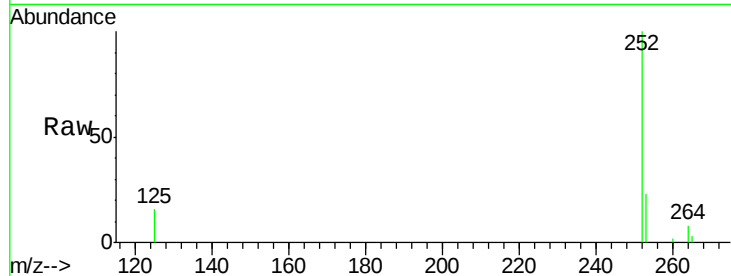
Tgt Ion:252 Resp: 90757

Ion Ratio Lower Upper

252 100

253 23.2 28.5 42.7#

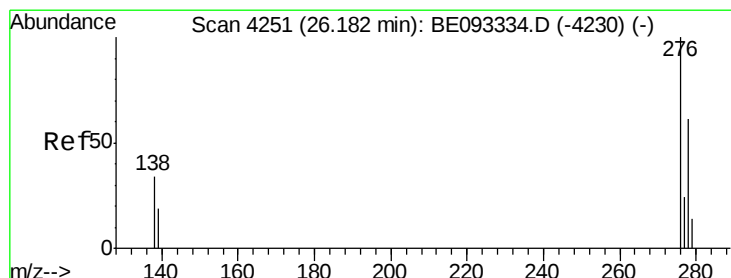
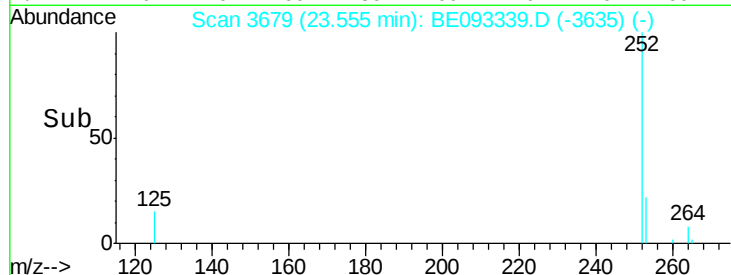
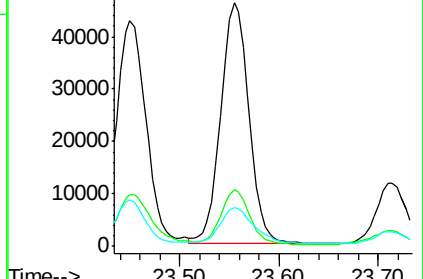
125 15.8 18.1 27.1#



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: 1.29 ng/ul

RT: 26.18 min Scan# 4252

Delta R.T. -0.00 min

Lab File: BE093339.D

Acq: 23 Jun 2017 15:50

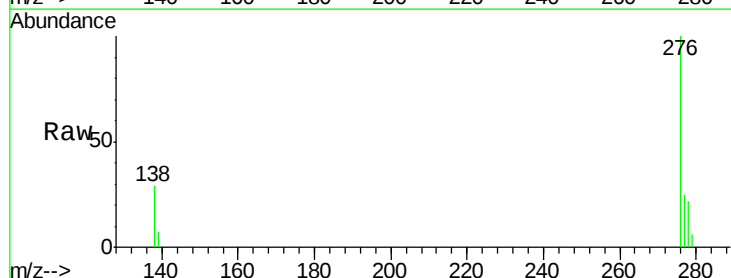
Tgt Ion:276 Resp: 62099

Ion Ratio Lower Upper

276 100

138 29.7 28.0 42.0

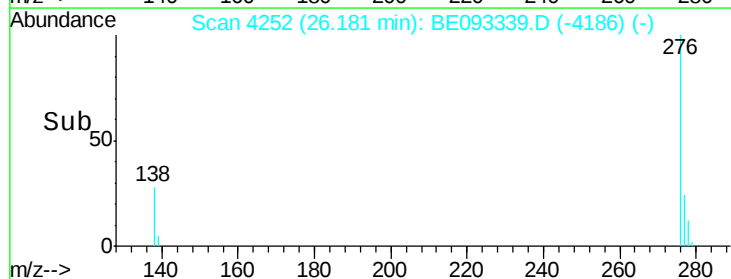
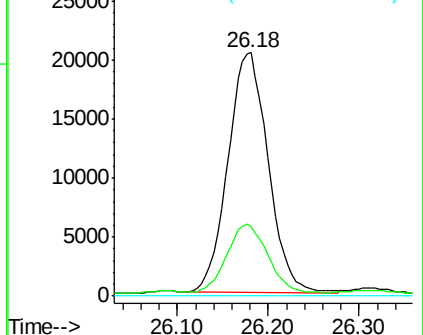
227 0.0 8.0 12.0#

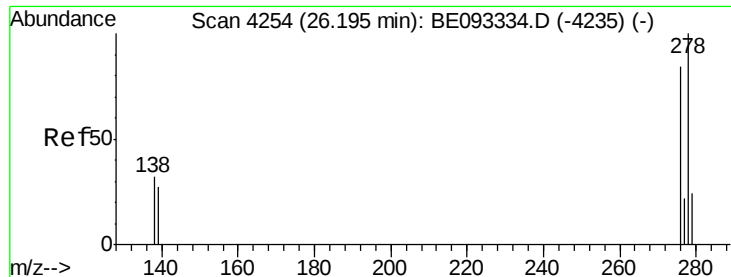


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.41 ng/ul

RT: 26.19 min Scan# 4254

Delta R.T. -0.01 min

Lab File: BE093339.D

Acq: 23 Jun 2017 15:50

Instrument :

BNA_E

ClientSampleId :

F5B06

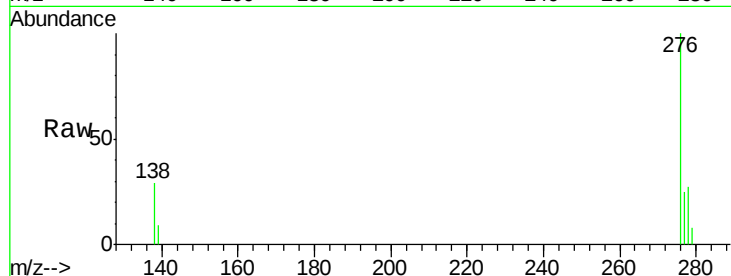
Tgt Ion:278 Resp: 16561

Ion Ratio Lower Upper

278 100

139 33.6 17.4 26.0#

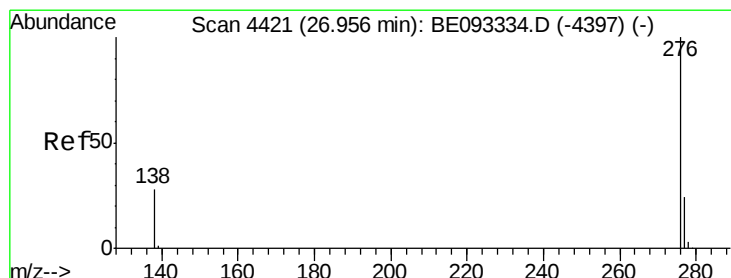
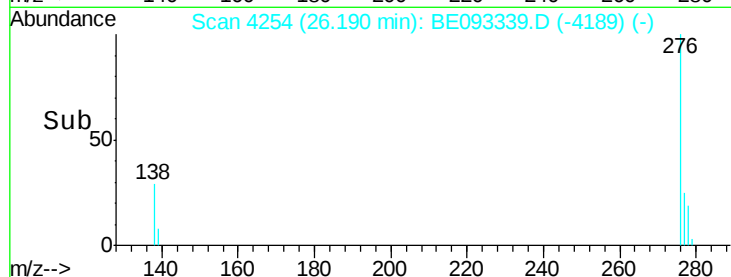
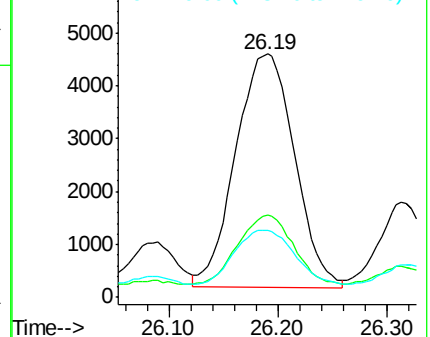
279 27.7 25.9 38.9



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: 1.11 ng/ul

RT: 26.96 min Scan# 4422

Delta R.T. -0.00 min

Lab File: BE093339.D

Acq: 23 Jun 2017 15:50

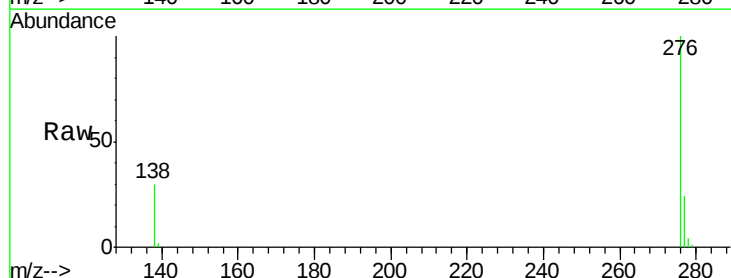
Tgt Ion:276 Resp: 46070

Ion Ratio Lower Upper

276 100

138 29.6 21.8 32.8

277 24.3 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

