

Data File : BE093353.D
Acq On : 24 Jun 2017 9:32
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.424

Quant Time: Jun 26 01:11:59 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	7.74	152	1617	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	8172	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4619	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	11968	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13860	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11863	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	4981	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	13357	0.41	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.56	128	8055	0.40	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	5695	0.41	ng/ul	100
7) Acenaphthylene	14.08	152	8328	0.42	ng/ul	97
8) Acenaphthene	14.42	153	6374	0.40	ng/ul	98
9) Fluorene	15.41	166	7280	0.39	ng/ul	89
11) Pentachlorophenol	16.76	266	766	0.43	ng/ul	98
12) Phenanthrene	17.14	178	12979	0.39	ng/ul#	91
13) Anthracene	17.22	178	12396	0.43	ng/ul#	91
15) Fluoranthene	19.15	202	16226	0.40	ng/ul	83
17) Pyrene	19.51	202	17868	0.44	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	15829	0.43	ng/ul#	85
19) Chrysene	21.29	228	15160	0.40	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	14445	0.40	ng/ul	90
22) Benzo(k)fluoranthene	22.97	252	14706	0.38	ng/ul#	90
23) Benzo(a)pyrene	23.55	252	13853	0.41	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	15992	0.41	ng/ul#	94
25) Dibenzo(a,h)anthracene	26.20	278	13179	0.40	ng/ul#	86
26) Benzo(g,h,i)perylene	26.96	276	12955	0.38	ng/ul	97

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

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ClientSampleId :

SSTD0.424

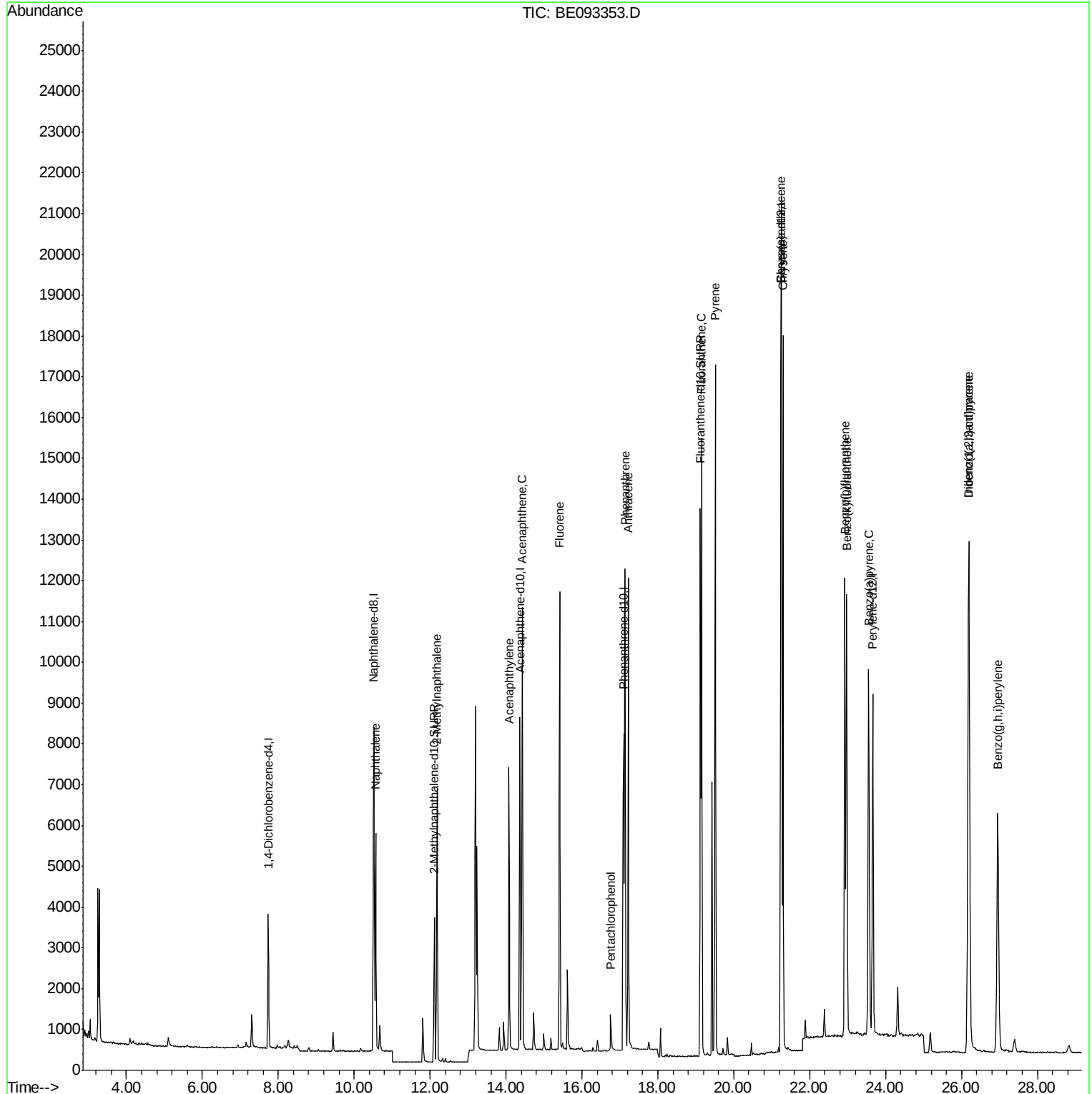
Quant Time: Jun 26 01:11:59 2017

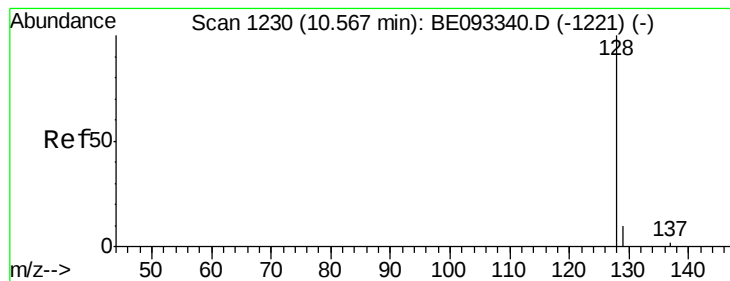
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.01 min

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Acq: 24 Jun 2017 9:32

Instrument :

BNA_E

ClientSampleId :

SSTD0.424

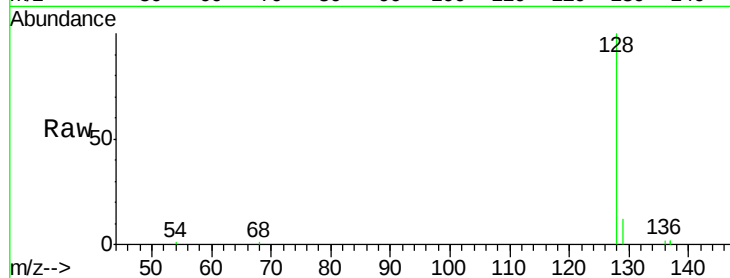
Tgt Ion:128 Resp: 8055

Ion Ratio Lower Upper

128 100

129 11.9 11.3 16.9

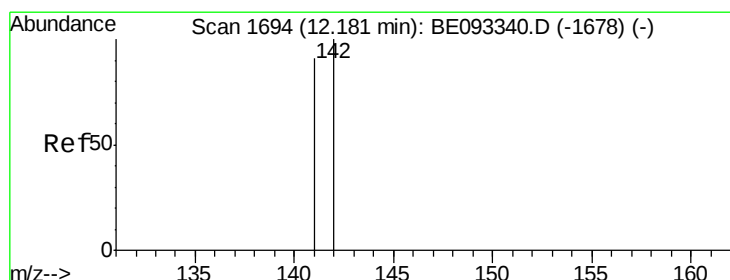
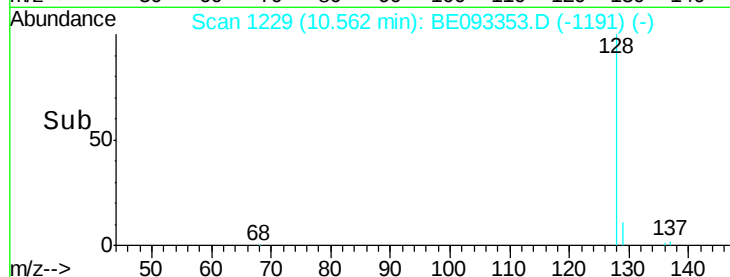
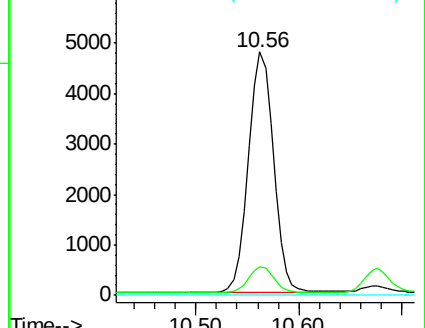
127 0.0 4.0 6.0#



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: 0.41 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BE093353.D

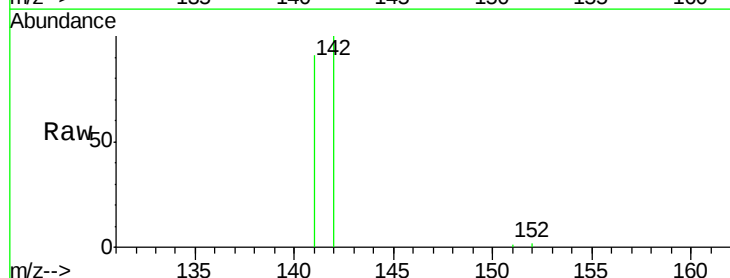
Acq: 24 Jun 2017 9:32

Tgt Ion:142 Resp: 5695

Ion Ratio Lower Upper

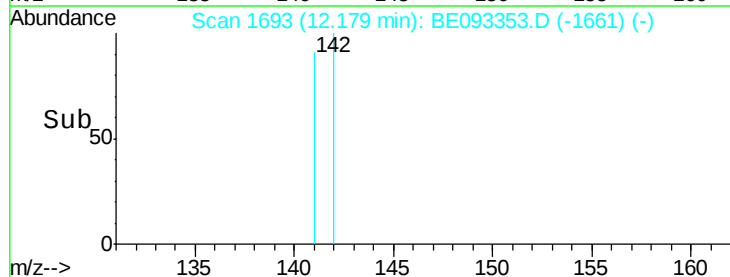
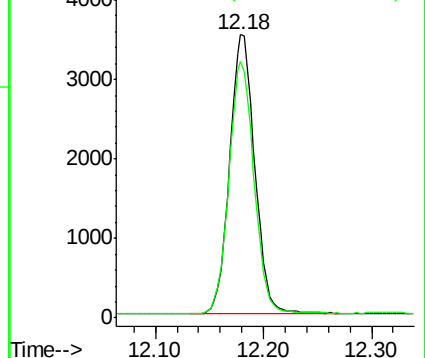
142 100

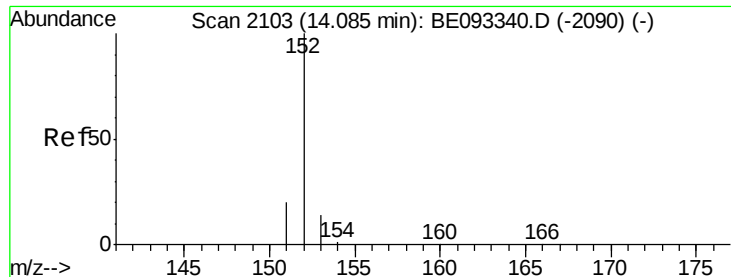
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.42 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BE093353.D

Acq: 24 Jun 2017 9:32

Instrument :

BNA_E

ClientSampleId :

SSTD0.424

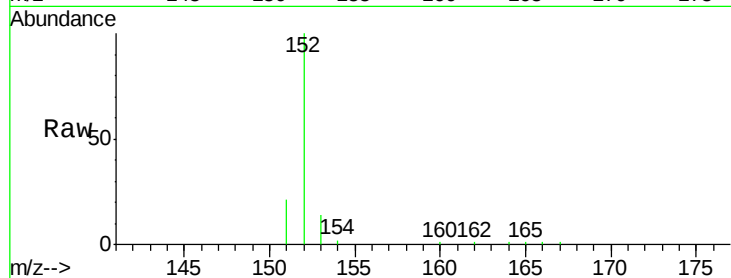
Tgt Ion:152 Resp: 8328

Ion Ratio Lower Upper

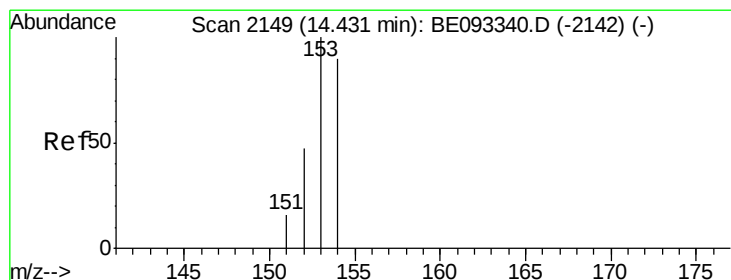
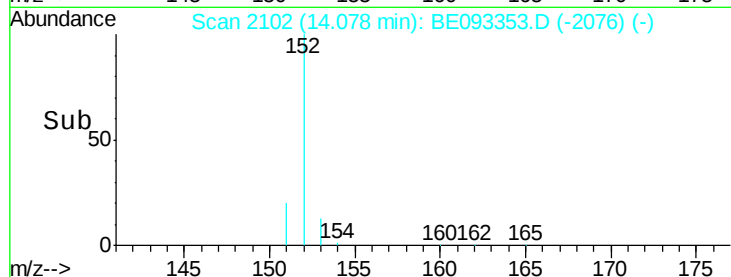
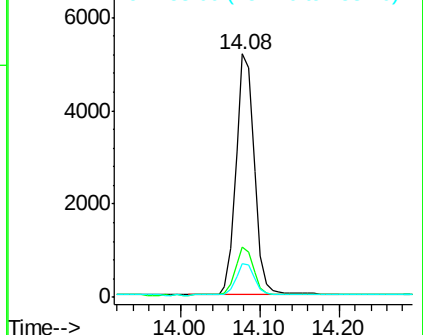
152 100

151 20.7 17.1 25.7

153 14.0 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: BE093353.D

Acq: 24 Jun 2017 9:32

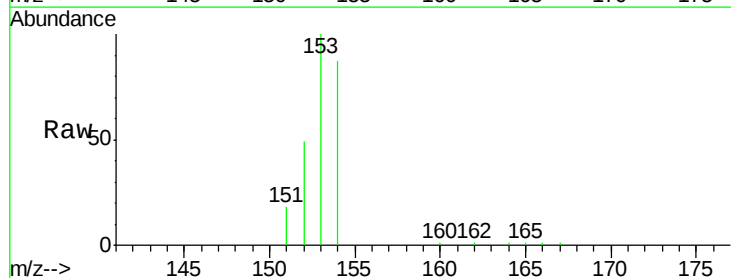
Tgt Ion:153 Resp: 6374

Ion Ratio Lower Upper

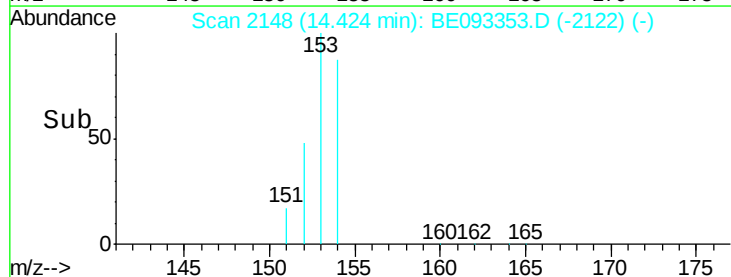
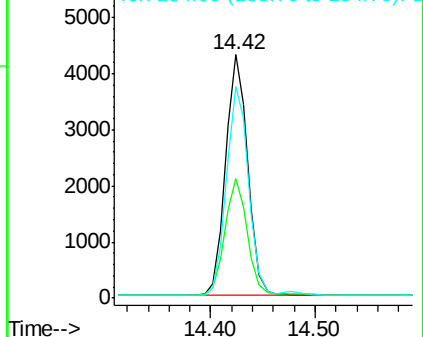
153 100

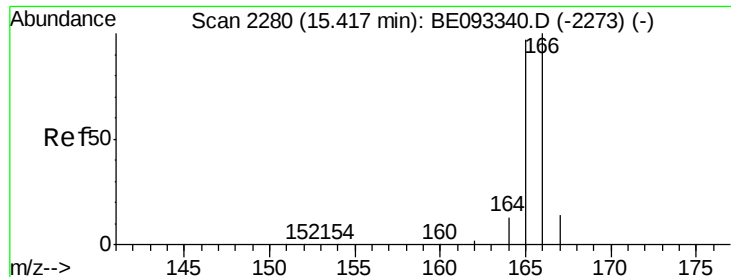
152 49.2 40.3 60.5

154 86.7 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: 0.39 ng/ul

RT: 15.41 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BE093353.D

Acq: 24 Jun 2017 9:32

Instrument :

BNA_E

ClientSampleId :

SSTD0.424

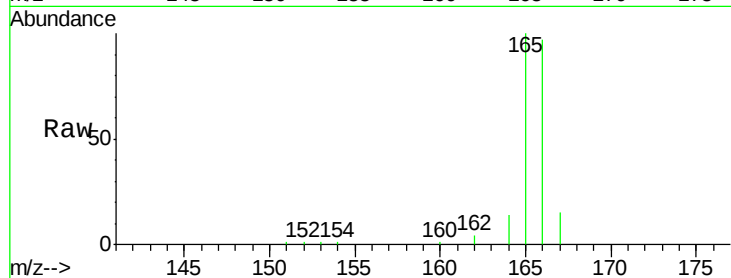
Tgt Ion:166 Resp: 7280

Ion Ratio Lower Upper

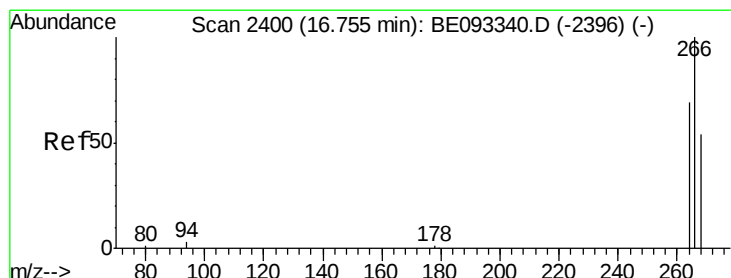
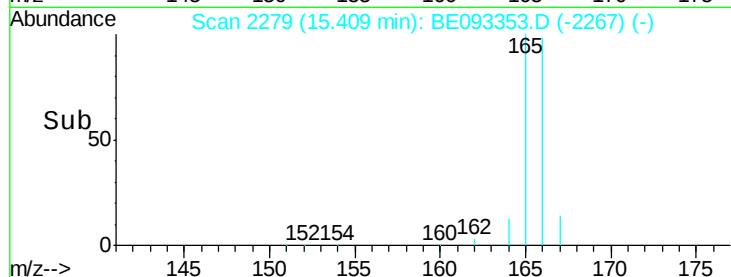
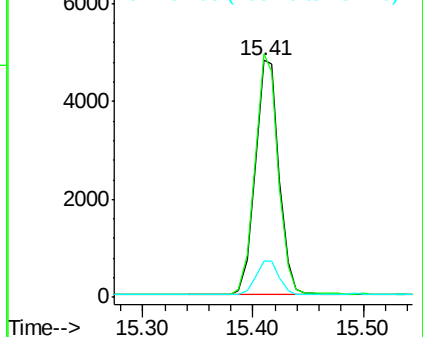
166 100

165 102.7 73.4 110.2

167 15.4 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: 0.43 ng/ul

RT: 16.76 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BE093353.D

Acq: 24 Jun 2017 9:32

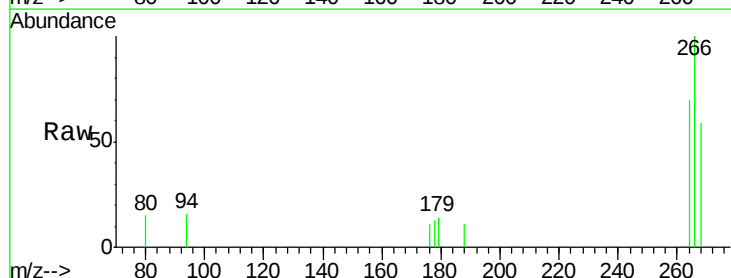
Tgt Ion:266 Resp: 766

Ion Ratio Lower Upper

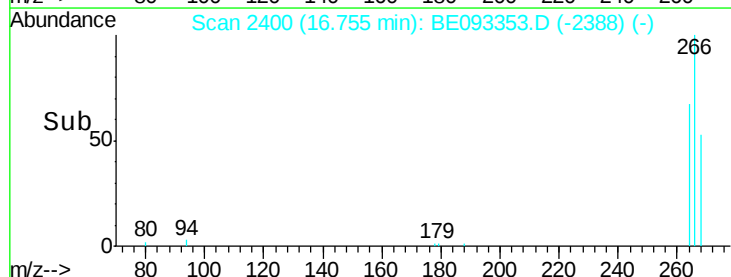
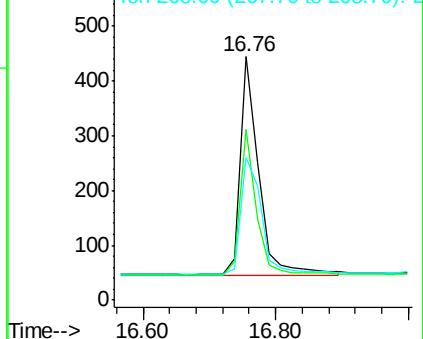
266 100

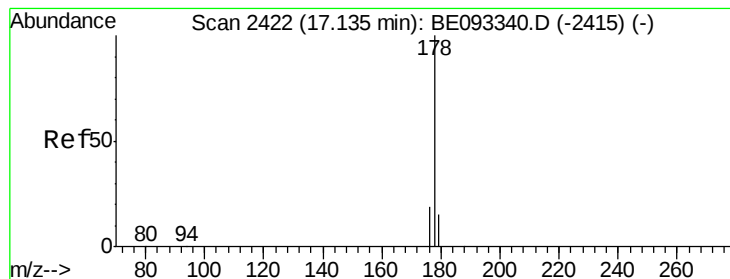
264 61.5 47.9 71.9

268 61.5 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: 0.39 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093353.D

Acq: 24 Jun 2017 9:32

Instrument :

BNA_E

ClientSampleId :

SSTD0.424

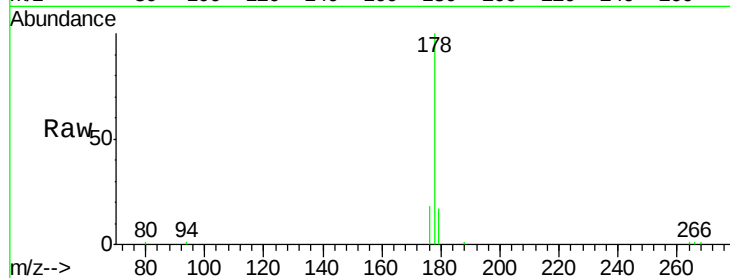
Tgt Ion:178 Resp: 12979

Ion Ratio Lower Upper

178 100

179 16.6 18.4 27.6#

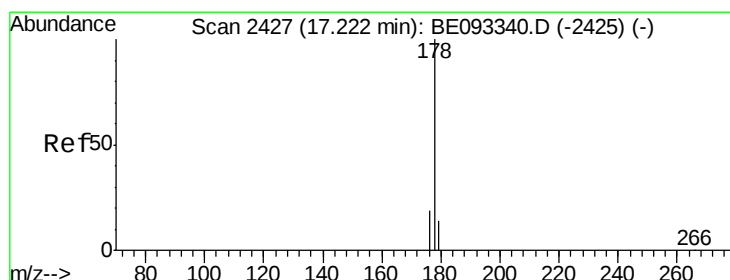
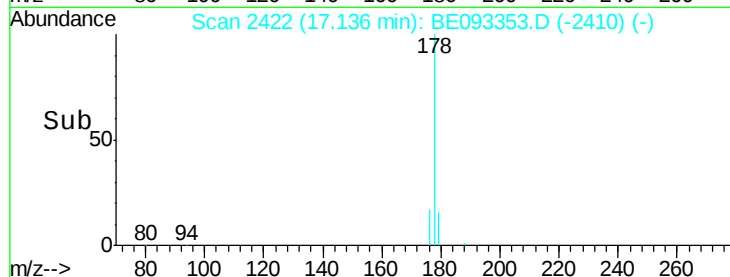
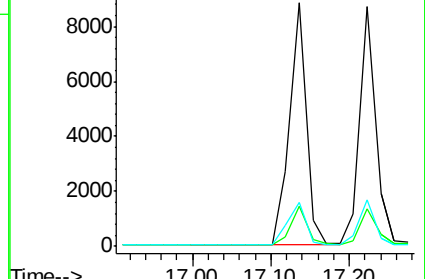
176 17.9 13.6 20.4



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: 0.43 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093353.D

Acq: 24 Jun 2017 9:32

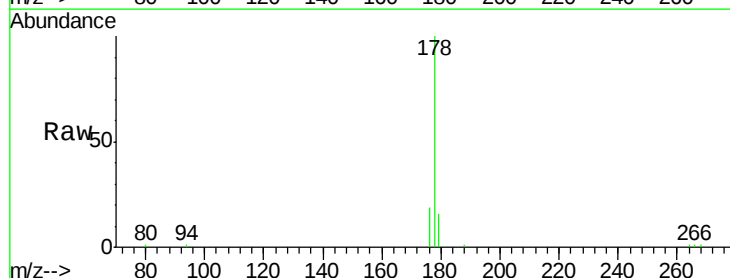
Tgt Ion:178 Resp: 12396

Ion Ratio Lower Upper

178 100

179 15.6 18.1 27.1#

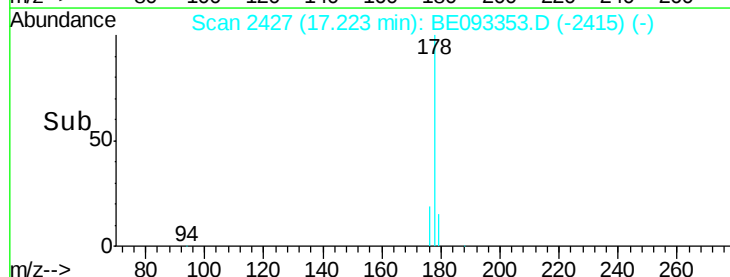
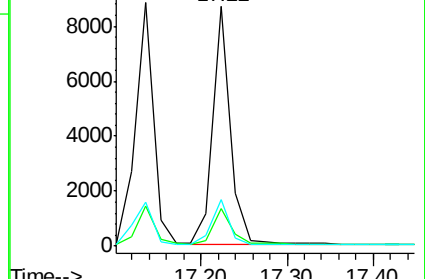
176 19.2 14.7 22.1

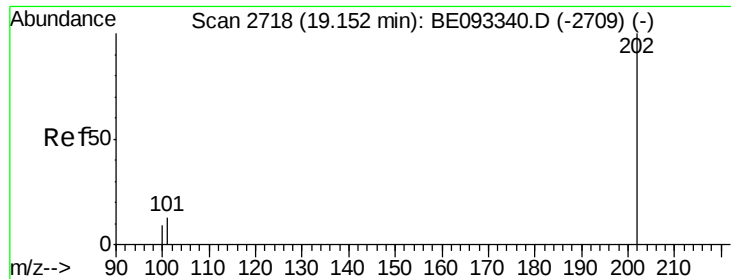


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

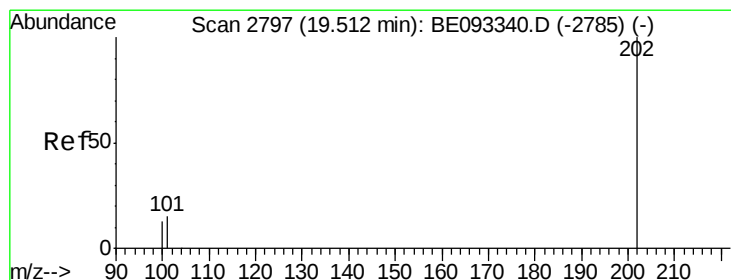
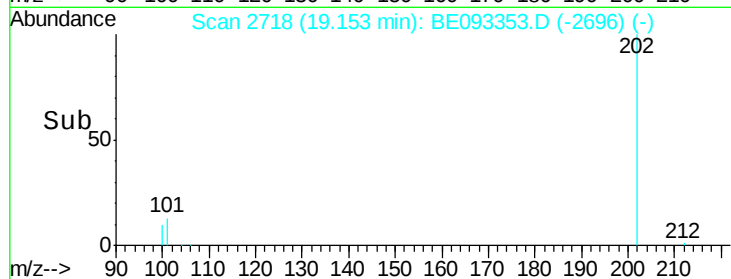
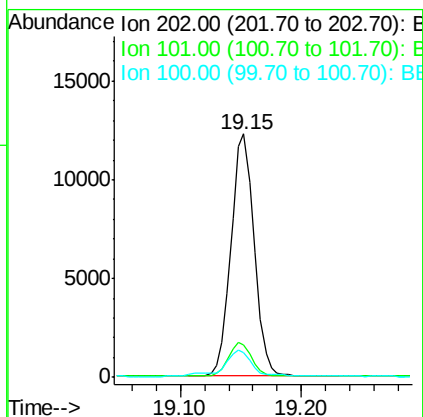
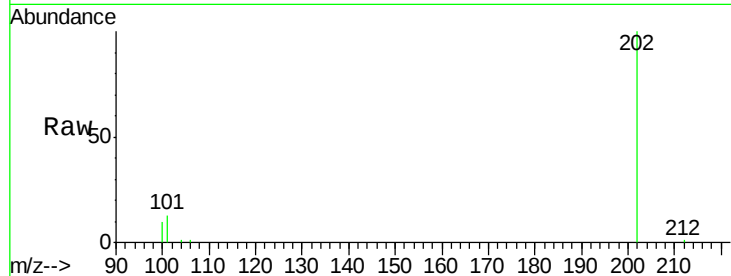




#15
Fluoranthene
 Concen: 0.40 ng/ul
 RT: 19.15 min Scan# 2718
 Delta R.T. 0.00 min
 Lab File: BE093353.D
 Acq: 24 Jun 2017 9:32

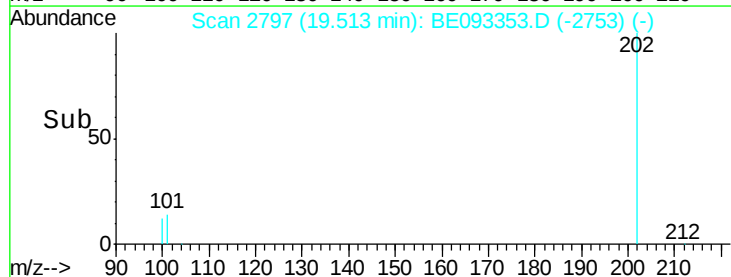
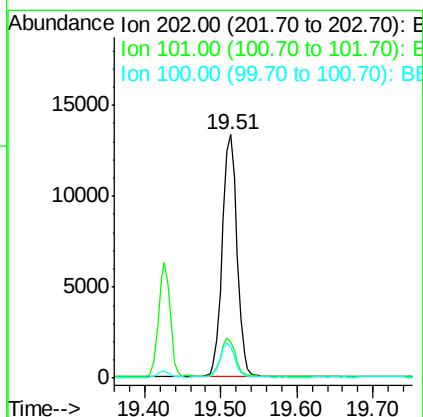
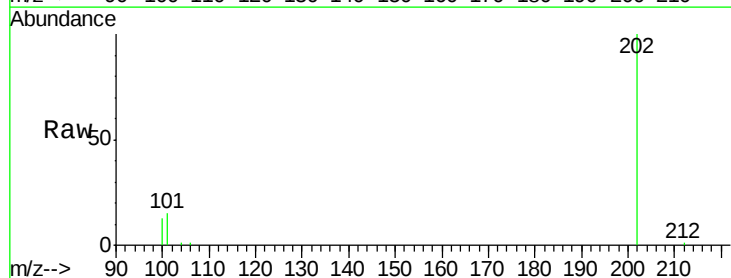
Instrument :
 BNA_E
 ClientSampleId :
 SST0.424

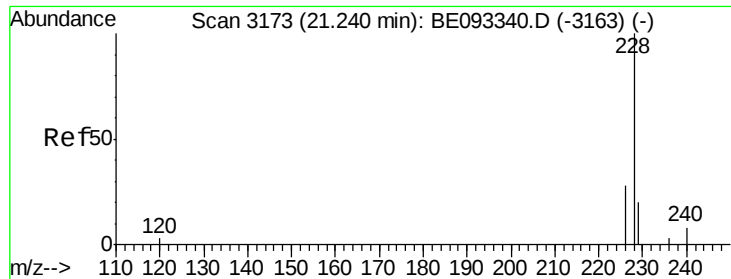
Tgt Ion:202 Resp: 16226
 Ion Ratio Lower Upper
 202 100
 101 13.4 0.0 30.3
 100 10.0 0.0 39.5



#17
Pyrene
 Concen: 0.44 ng/ul
 RT: 19.51 min Scan# 2797
 Delta R.T. 0.00 min
 Lab File: BE093353.D
 Acq: 24 Jun 2017 9:32

Tgt Ion:202 Resp: 17868
 Ion Ratio Lower Upper
 202 100
 101 14.8 18.2 27.4#
 100 12.7 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.43 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE093353.D

Acq: 24 Jun 2017 9:32

Instrument :

BNA_E

ClientSampleId :

SSTD0.424

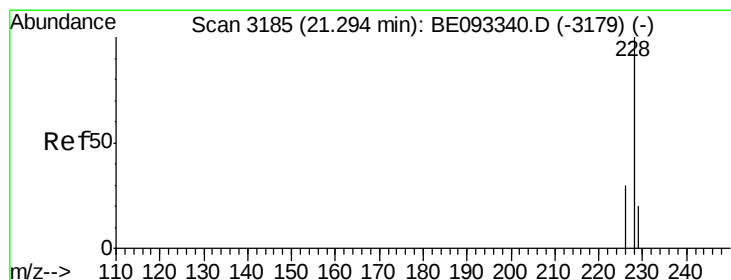
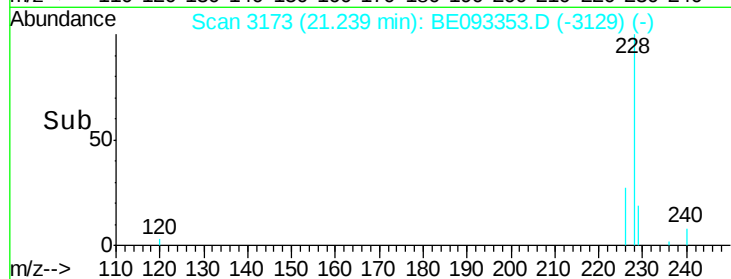
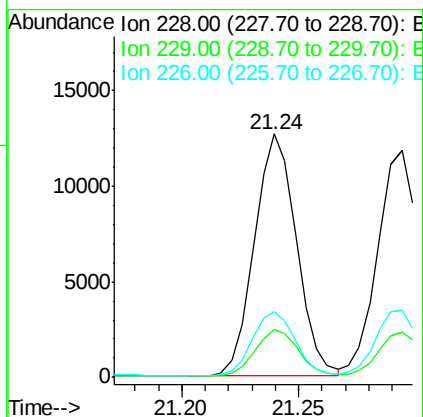
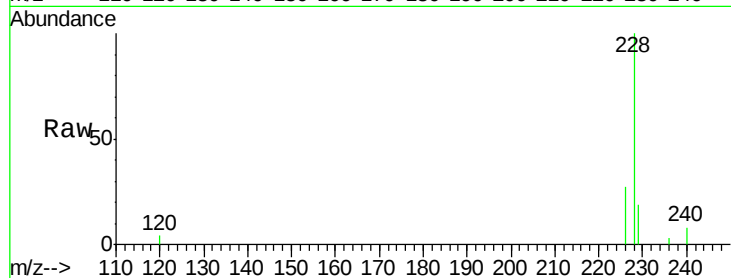
Tgt Ion:228 Resp: 15829

Ion Ratio Lower Upper

228 100

229 19.5 22.8 34.2#

226 27.2 17.0 25.6#



#19

Chrysene

Concen: 0.40 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093353.D

Acq: 24 Jun 2017 9:32

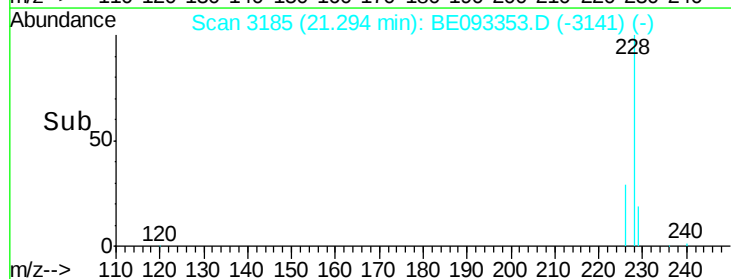
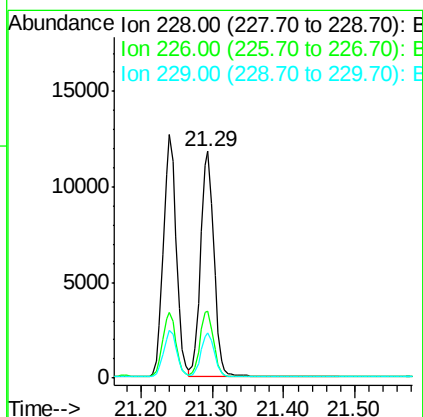
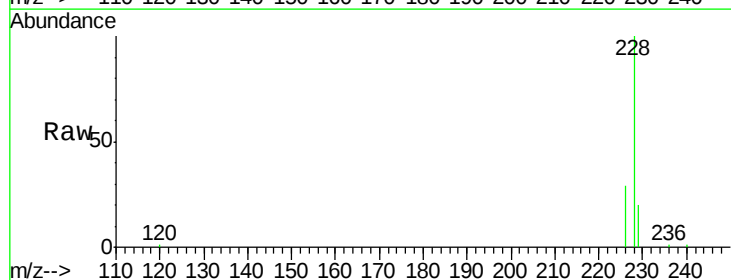
Tgt Ion:228 Resp: 15160

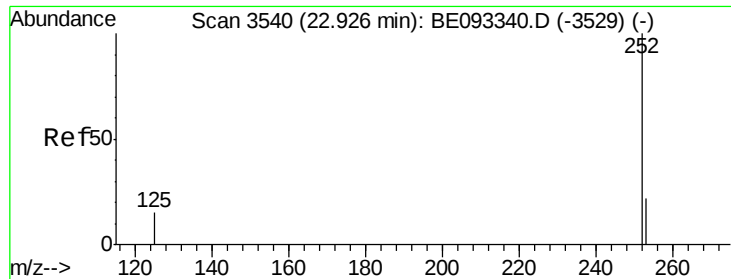
Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.0

229 19.7 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.40 ng/u1

RT: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093353.D

Acq: 24 Jun 2017 9:32

Instrument :

BNA_E

ClientSampleId :

SSTD0.424

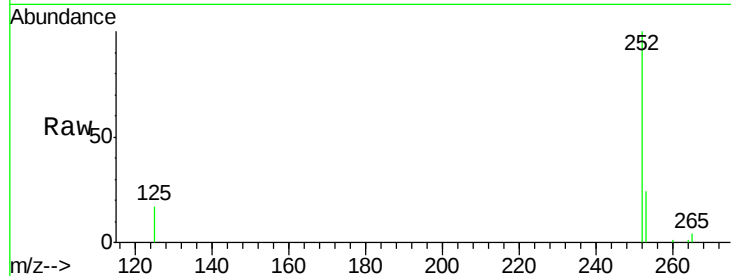
Tgt Ion:252 Resp: 14445

Ion Ratio Lower Upper

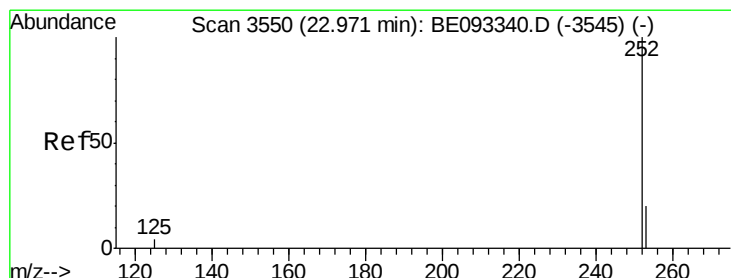
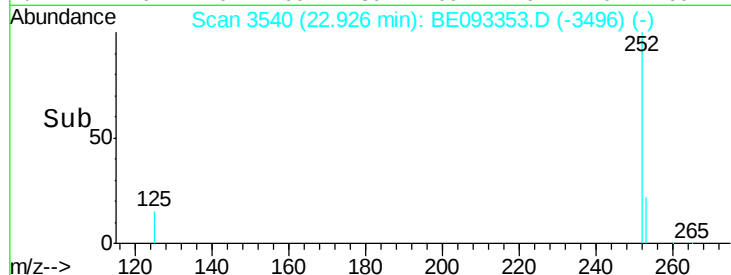
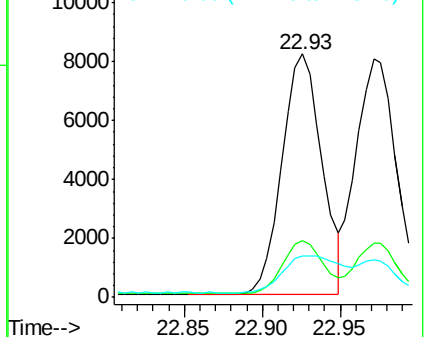
252 100

253 23.5 0.0 64.2

125 17.0 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: 0.38 ng/u1

RT: 22.97 min Scan# 3550

Delta R.T. 0.00 min

Lab File: BE093353.D

Acq: 24 Jun 2017 9:32

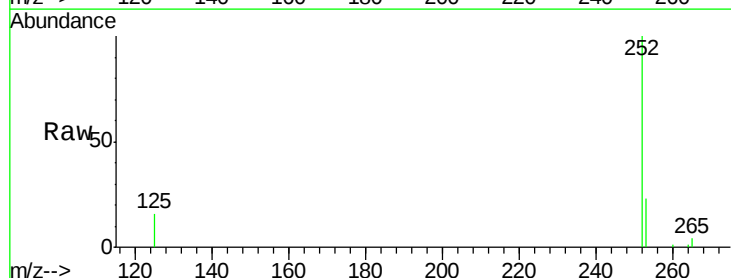
Tgt Ion:252 Resp: 14706

Ion Ratio Lower Upper

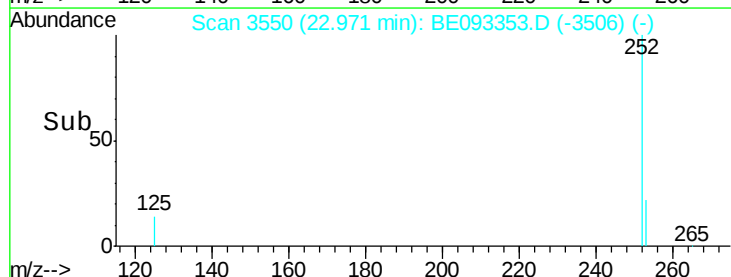
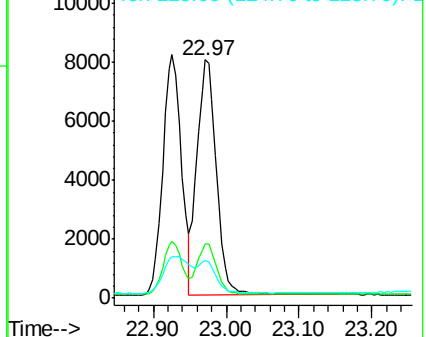
252 100

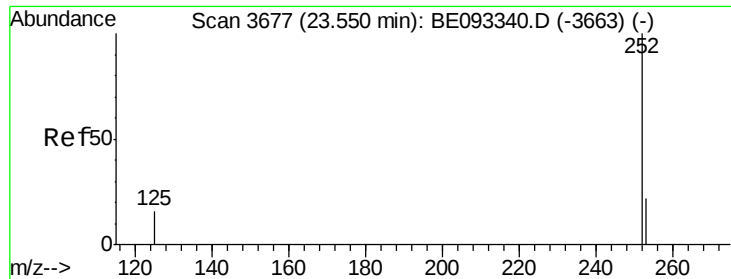
253 22.9 24.5 36.7#

125 15.7 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: 0.41 ng/ul

RT: 23.55 min Scan# 3677

Delta R.T. 0.00 min

Lab File: BE093353.D

Acq: 24 Jun 2017 9:32

Instrument :

BNA_E

ClientSampleId :

SSTD0.424

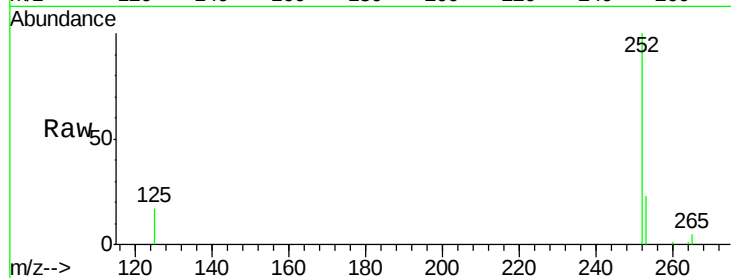
Tgt Ion:252 Resp: 13853

Ion Ratio Lower Upper

252 100

253 22.6 28.5 42.7#

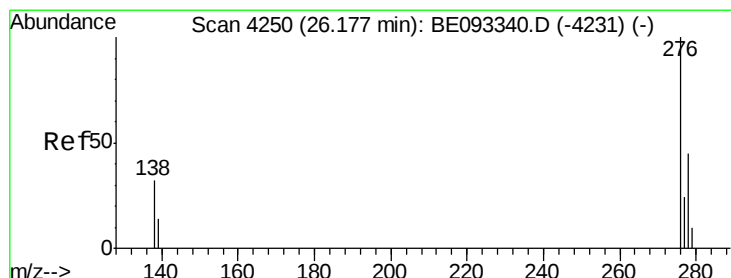
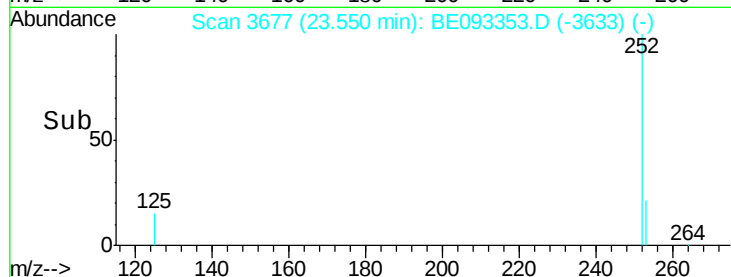
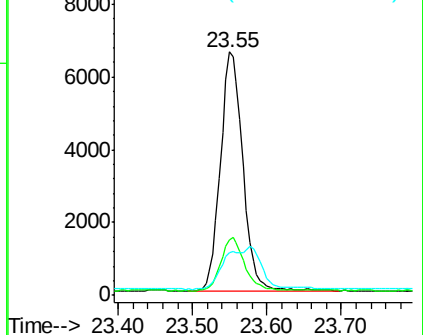
125 17.4 18.1 27.1#



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: 0.41 ng/ul

RT: 26.18 min Scan# 4251

Delta R.T. 0.01 min

Lab File: BE093353.D

Acq: 24 Jun 2017 9:32

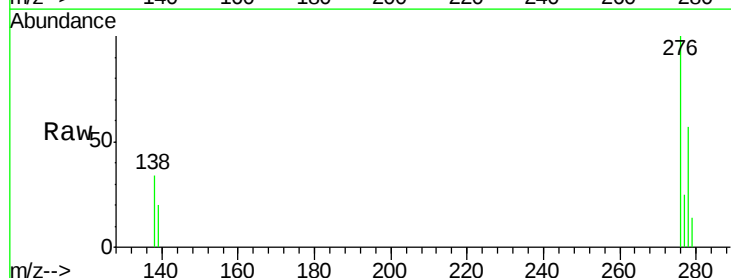
Tgt Ion:276 Resp: 15992

Ion Ratio Lower Upper

276 100

138 34.9 28.0 42.0

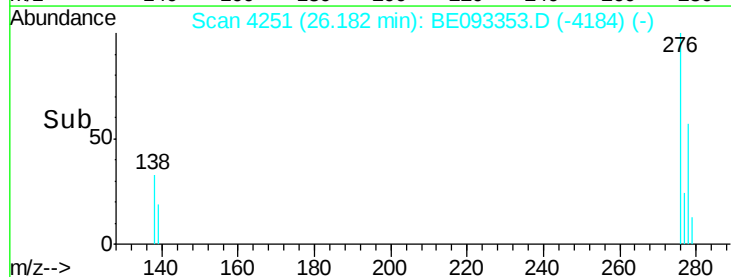
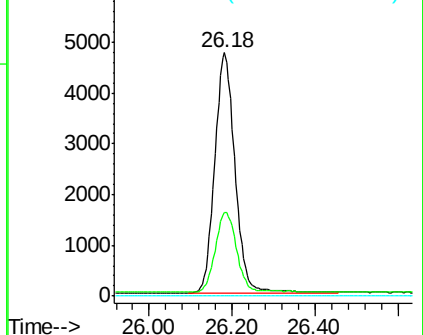
227 0.0 8.0 12.0#

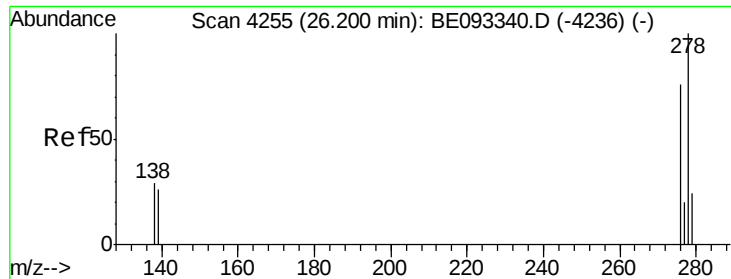


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

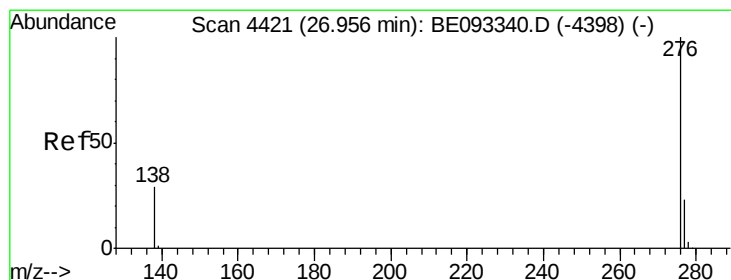
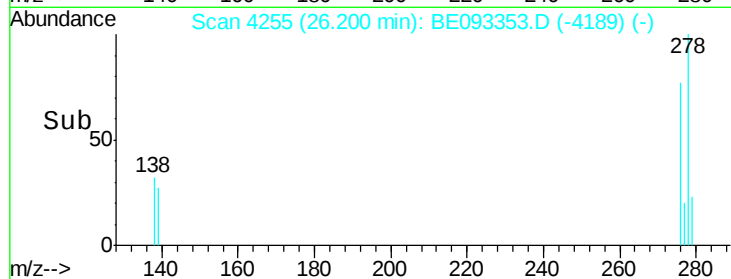
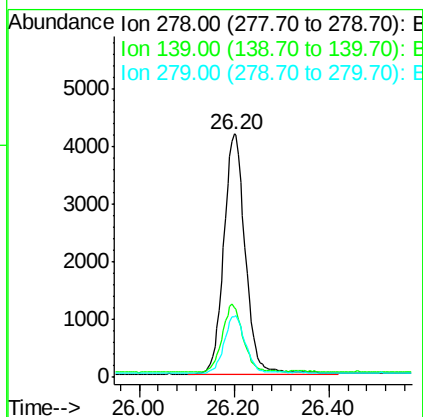
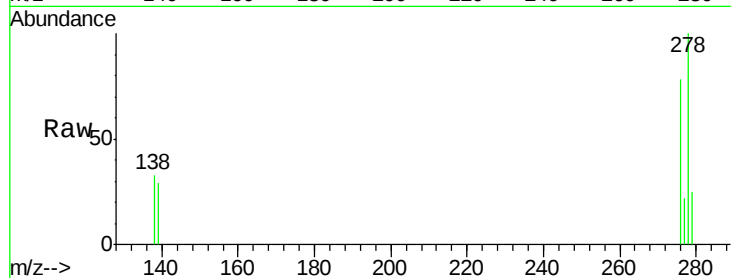




#25
Dibenzo(a,h)anthracene
Concen: 0.40 ng/ul
RT: 26.20 min Scan# 4255
Delta R.T. 0.00 min
Lab File: BE093353.D
Acq: 24 Jun 2017 9:32

Instrument :
BNA_E
ClientSampleId :
SSTD0.424

Tgt Ion:278 Resp: 13179
Ion Ratio Lower Upper
278 100
139 28.6 17.4 26.0#
279 24.9 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.38 ng/ul
RT: 26.96 min Scan# 4421
Delta R.T. 0.00 min
Lab File: BE093353.D
Acq: 24 Jun 2017 9:32

Tgt Ion:276 Resp: 12955
Ion Ratio Lower Upper
276 100
138 30.2 21.8 32.8
277 25.1 20.5 30.7

