

Data File : BE093323.D
Acq On : 21 Jun 2017 19:47
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.420

Quant Time: Jun 22 02:13:09 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	7.73	152	1652	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	8769	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5130	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	12855	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13060	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	10891	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	5651	0.44	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	13677	0.39	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.56	128	8960	0.41	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	6508	0.44	ng/ul	99
7) Acenaphthylene	14.08	152	9325	0.42	ng/ul	97
8) Acenaphthene	14.42	153	7342	0.41	ng/ul	99
9) Fluorene	15.41	166	8334	0.40	ng/ul#	89
11) Pentachlorophenol	16.75	266	733	0.38	ng/ul	97
12) Phenanthrene	17.13	178	14431	0.41	ng/ul#	90
13) Anthracene	17.22	178	13325	0.43	ng/ul#	90
15) Fluoranthene	19.15	202	16804	0.39	ng/ul	84
17) Pyrene	19.51	202	18135	0.47	ng/ul#	85
18) Benzo(a)anthracene	21.24	228	15545	0.45	ng/ul#	86
19) Chrysene	21.29	228	15000	0.42	ng/ul	96
21) Benzo(b)fluoranthene	22.92	252	14250	0.43	ng/ul	87
22) Benzo(k)fluoranthene	22.97	252	13809	0.39	ng/ul#	89
23) Benzo(a)pyrene	23.55	252	13235	0.42	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	15252	0.42	ng/ul#	93
25) Dibenzo(a,h)anthracene	26.20	278	12750	0.42	ng/ul#	88
26) Benzo(g,h,i)perylene	26.95	276	12453	0.40	ng/ul	96

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

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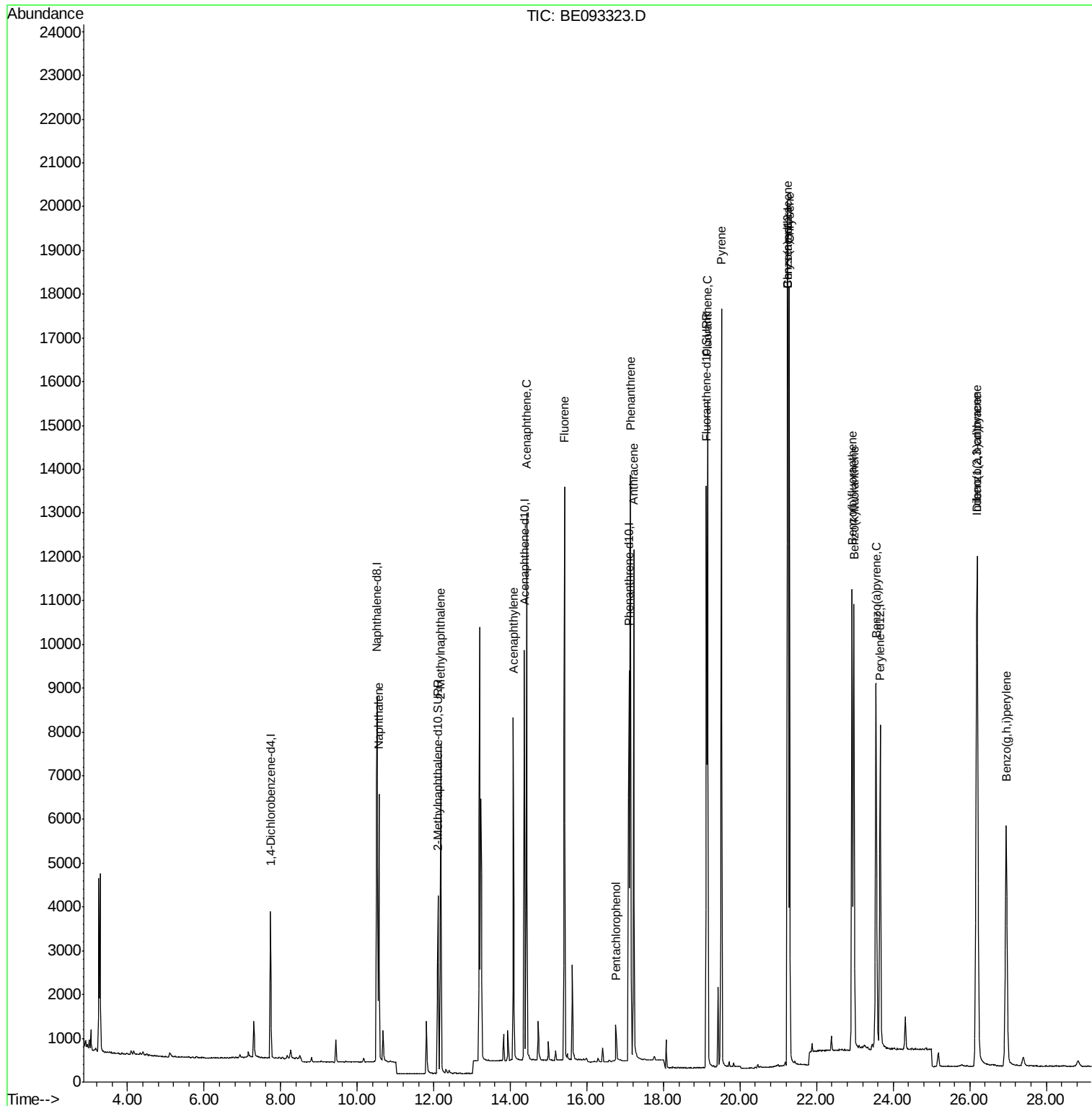
Quant Time: Jun 22 02:13:09 2017

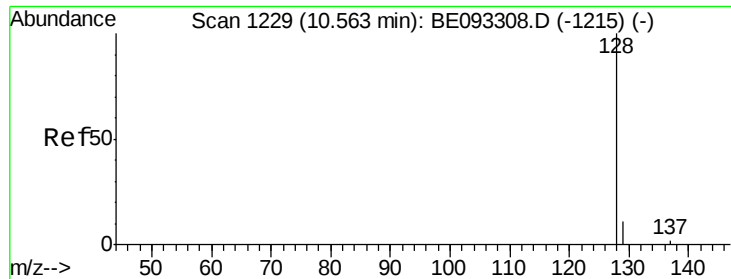
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093323.D

Acq: 21 Jun 2017 19:47

Instrument :

BNA_E

ClientSampleId :

SSTD0.420

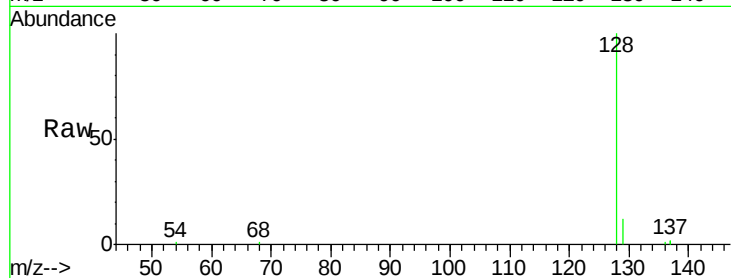
Tgt Ion:128 Resp: 8960

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

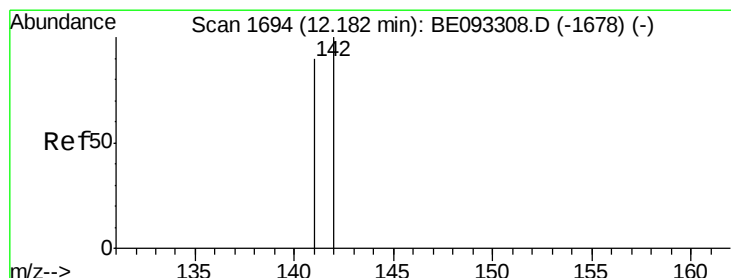
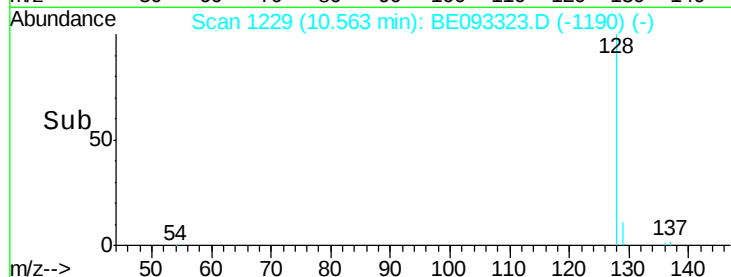
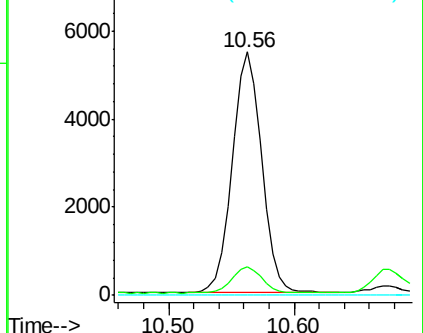
127 0.0 4.0 6.0#



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: 0.44 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BE093323.D

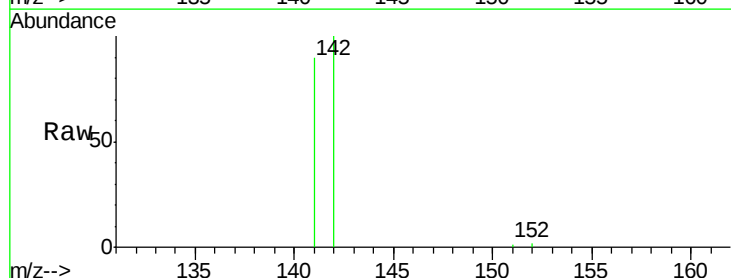
Acq: 21 Jun 2017 19:47

Tgt Ion:142 Resp: 6508

Ion Ratio Lower Upper

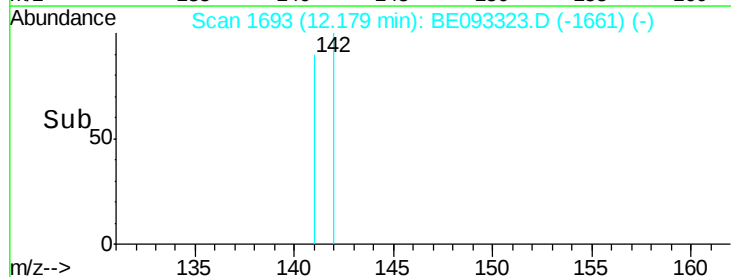
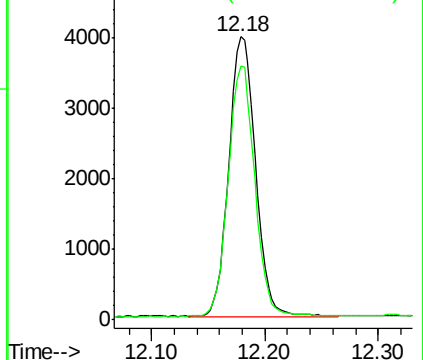
142 100

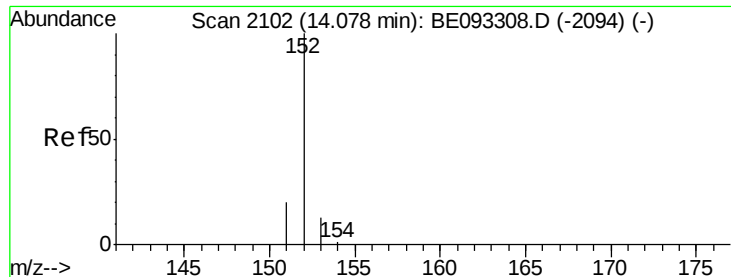
141 89.3 72.6 108.8



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. -0.00 min

Lab File: BE093323.D

Acq: 21 Jun 2017 19:47

Instrument :

BNA_E

ClientSampleId :

SSTD0.420

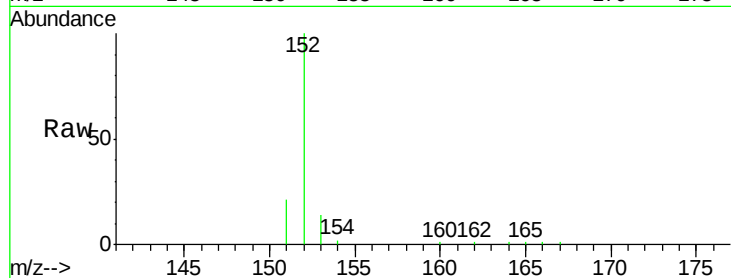
Tgt Ion:152 Resp: 9325

Ion Ratio Lower Upper

152 100

151 20.9 17.1 25.7

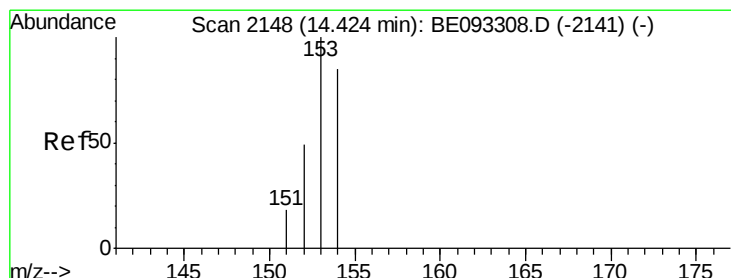
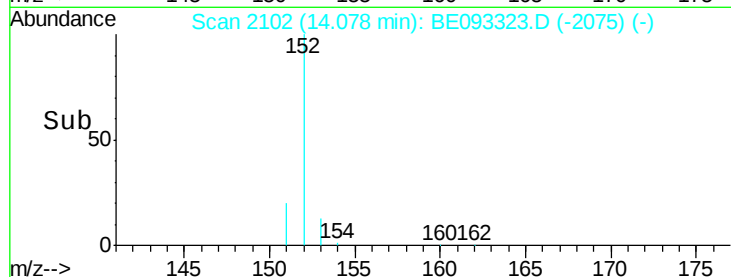
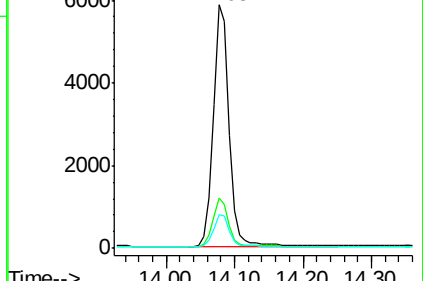
153 13.9 12.8 19.2



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: 0.41 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093323.D

Acq: 21 Jun 2017 19:47

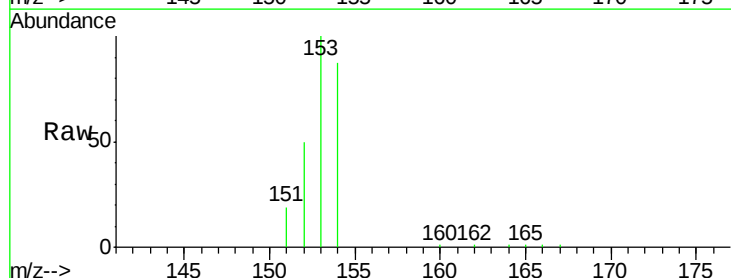
Tgt Ion:153 Resp: 7342

Ion Ratio Lower Upper

153 100

152 50.2 40.3 60.5

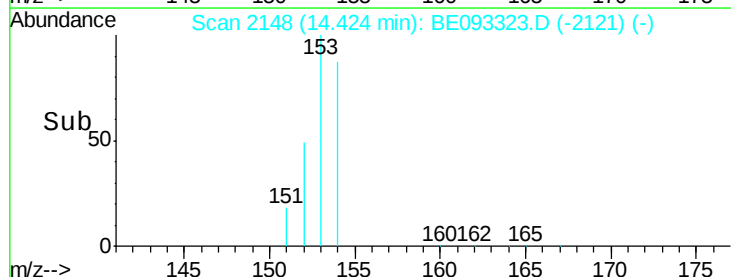
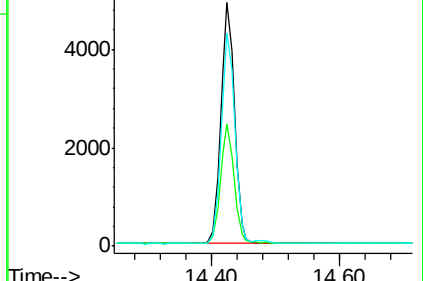
154 87.3 71.4 107.2

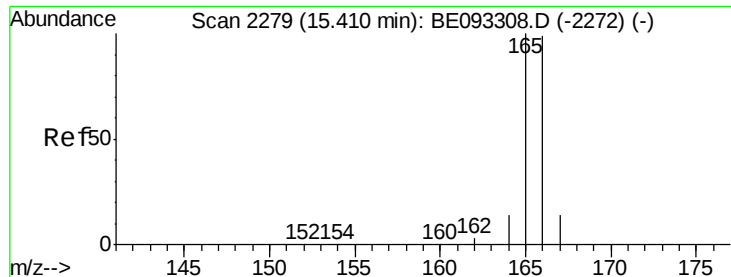


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

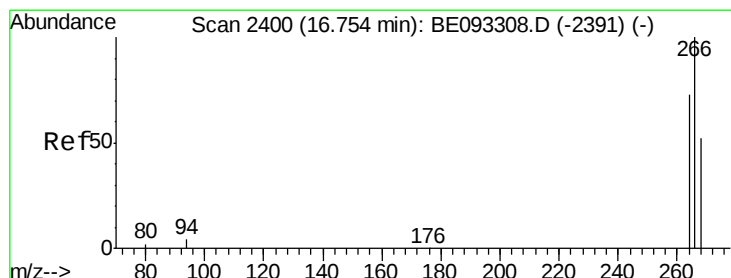
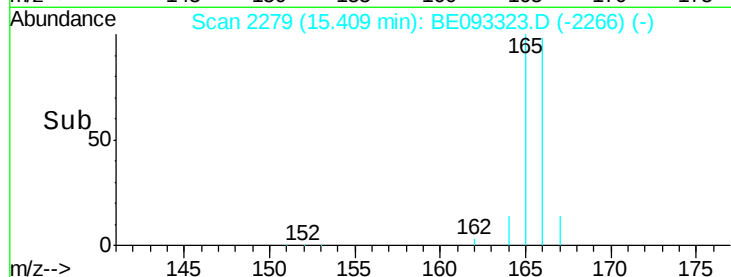
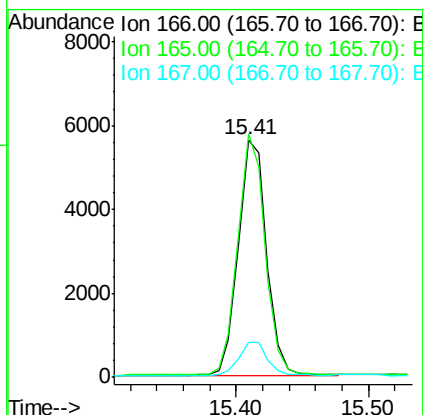
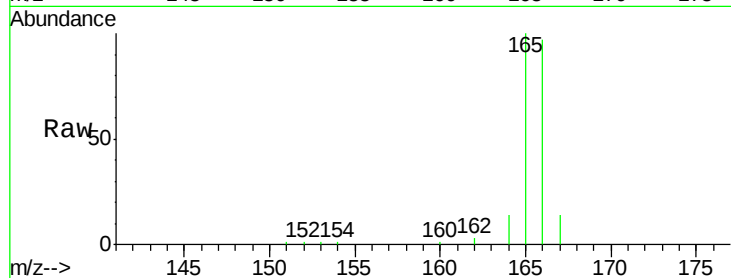




#9
Fluorene
 Concen: 0.40 ng/ul
 RT: 15.41 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BE093323.D
 Acq: 21 Jun 2017 19:47

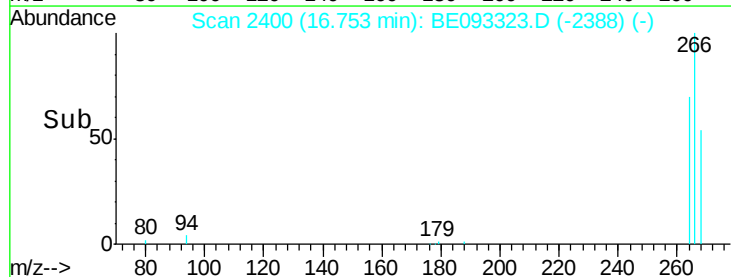
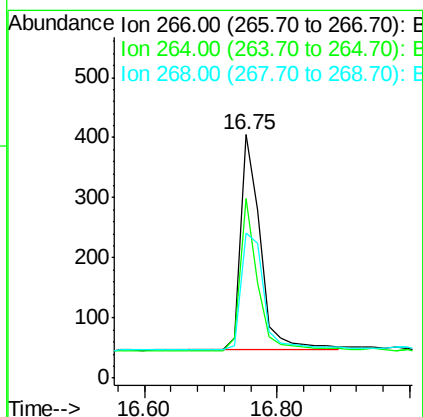
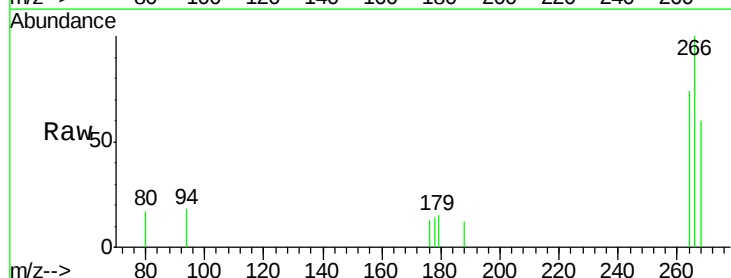
Instrument :
 BNA_E
 ClientSampleId :
 SST0.420

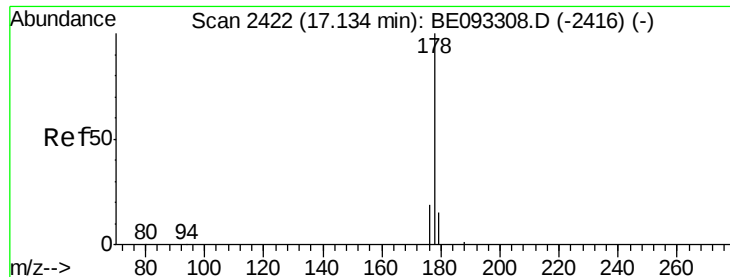
Tgt Ion:166 Resp: 8334
 Ion Ratio Lower Upper
 166 100
 165 102.6 73.4 110.2
 167 14.6 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.38 ng/ul
 RT: 16.75 min Scan# 2400
 Delta R.T. -0.00 min
 Lab File: BE093323.D
 Acq: 21 Jun 2017 19:47

Tgt Ion:266 Resp: 733
 Ion Ratio Lower Upper
 266 100
 264 63.3 47.9 71.9
 268 63.4 49.8 74.8





#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093323.D

Acq: 21 Jun 2017 19:47

Instrument :

BNA_E

ClientSampleId :

SSTD0.420

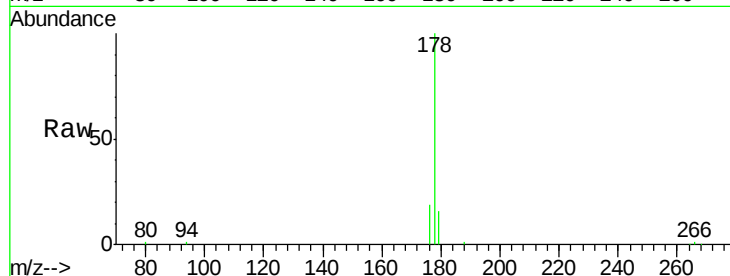
Tgt Ion:178 Resp: 14431

Ion Ratio Lower Upper

178 100

179 16.1 18.4 27.6#

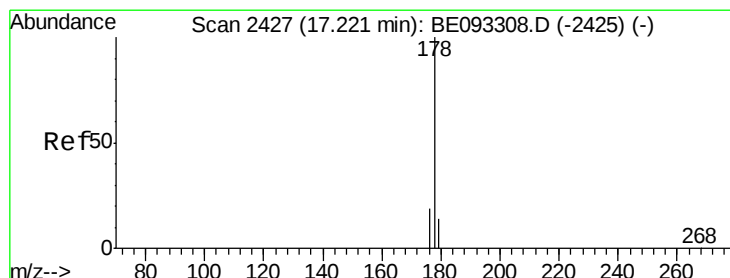
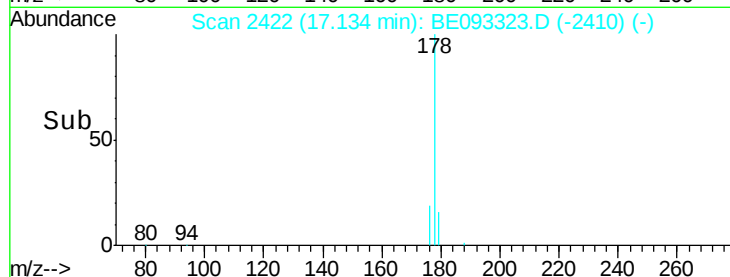
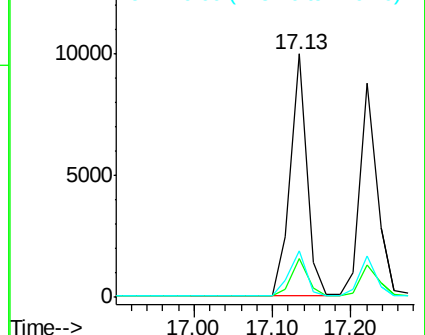
176 19.0 13.6 20.4



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: BE093323.D

Acq: 21 Jun 2017 19:47

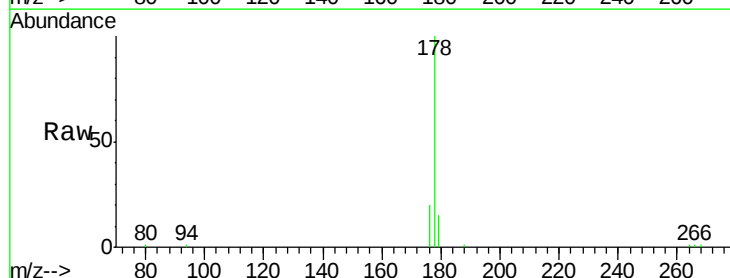
Tgt Ion:178 Resp: 13325

Ion Ratio Lower Upper

178 100

179 15.2 18.1 27.1#

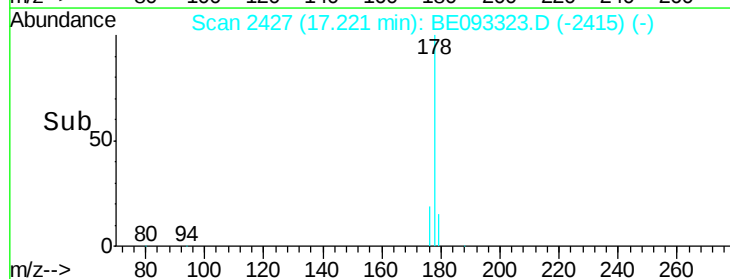
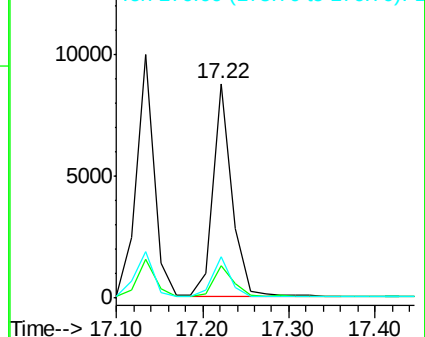
176 19.6 14.7 22.1

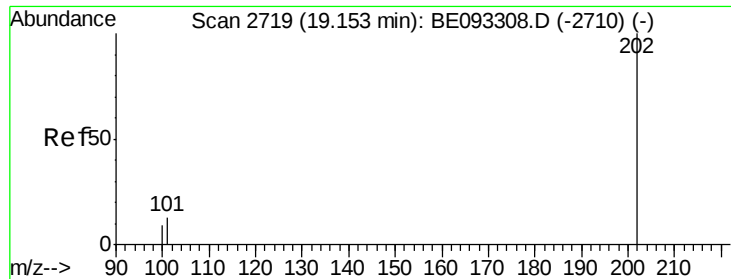


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.39 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BE093323.D

Acq: 21 Jun 2017 19:47

Instrument :

BNA_E

ClientSampleId :

SSTD0.420

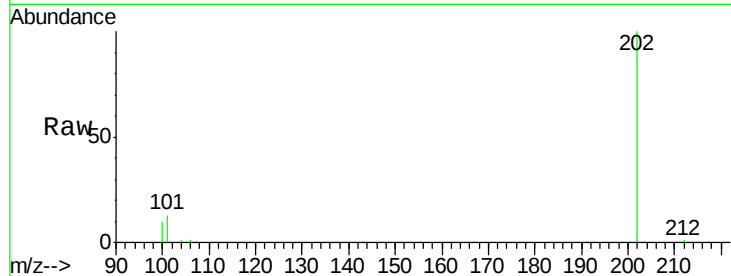
Tgt Ion:202 Resp: 16804

Ion Ratio Lower Upper

202 100

101 12.7 0.0 30.3

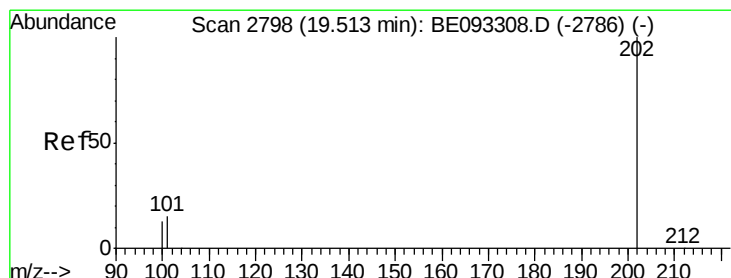
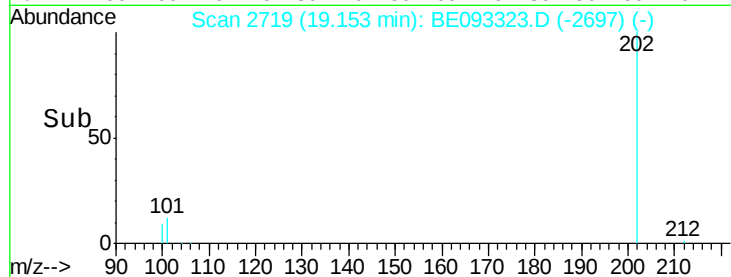
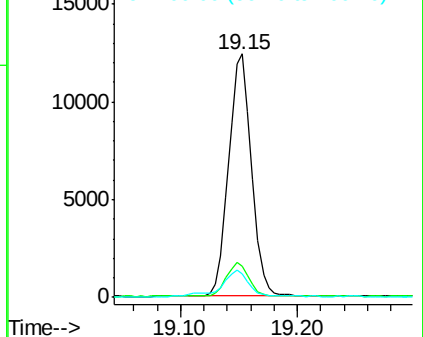
100 9.6 0.0 39.5



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: 0.47 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BE093323.D

Acq: 21 Jun 2017 19:47

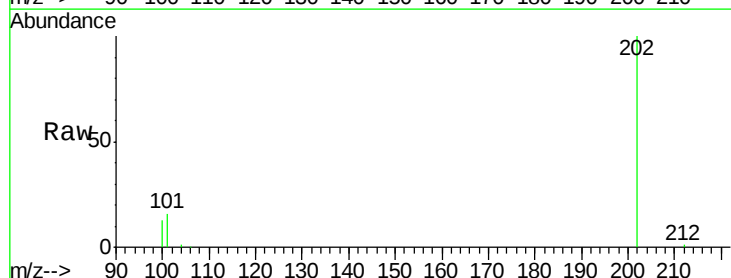
Tgt Ion:202 Resp: 18135

Ion Ratio Lower Upper

202 100

101 15.7 18.2 27.4#

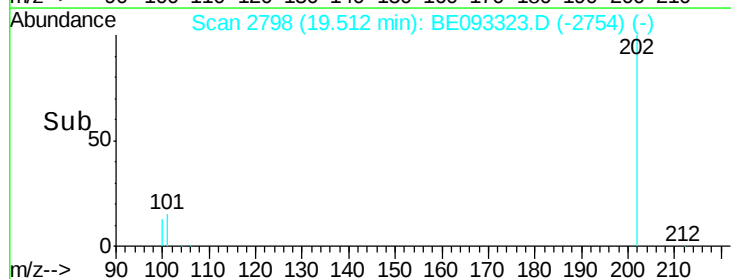
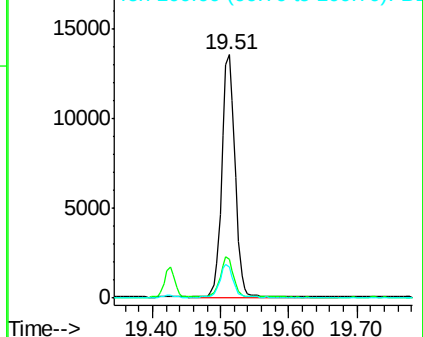
100 12.9 15.6 23.4#

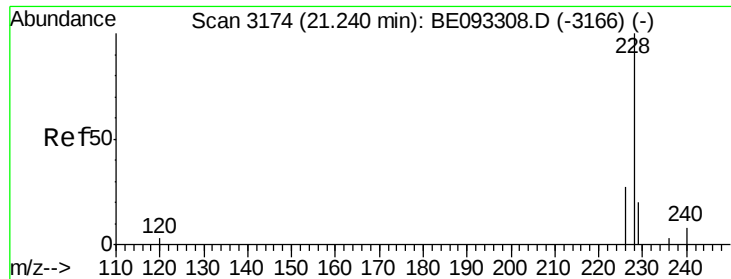


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.45 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093323.D

Acq: 21 Jun 2017 19:47

Instrument :

BNA_E

ClientSampleId :

SSTD0.420

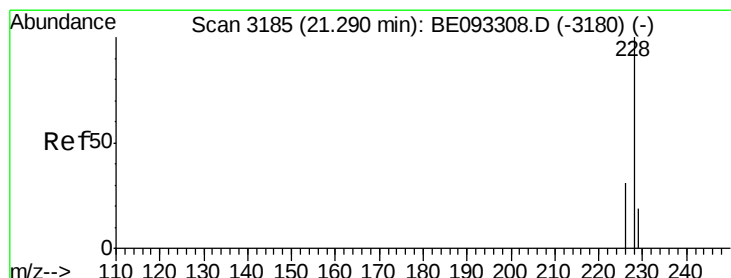
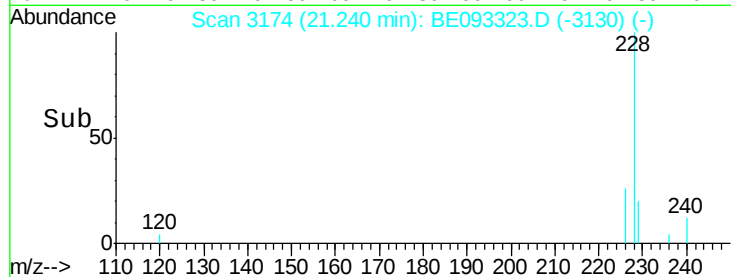
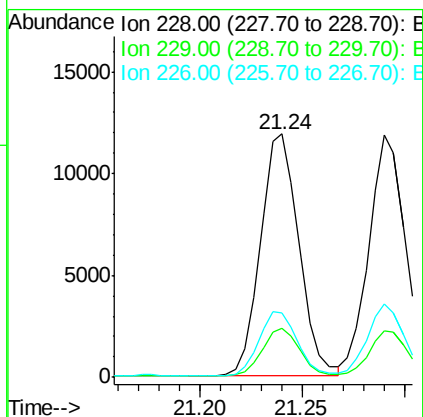
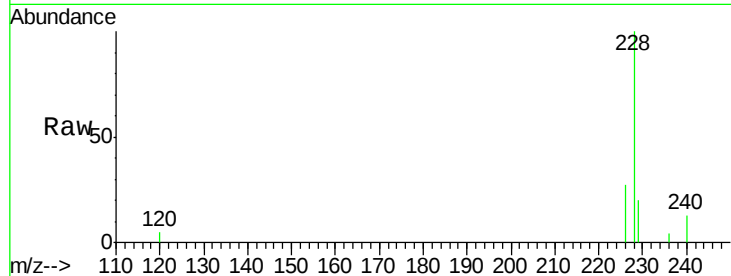
Tgt Ion:228 Resp: 15545

Ion Ratio Lower Upper

228 100

229 20.1 22.8 34.2#

226 26.5 17.0 25.6#



#19

Chrysene

Concen: 0.42 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. 0.00 min

Lab File: BE093323.D

Acq: 21 Jun 2017 19:47

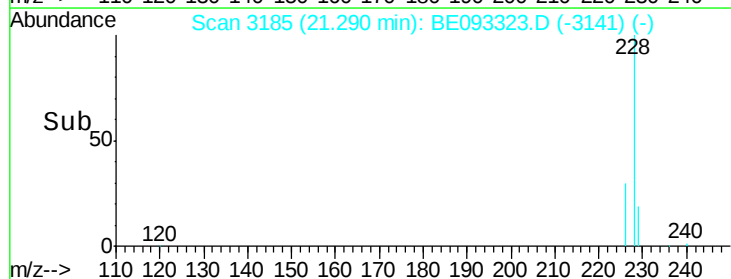
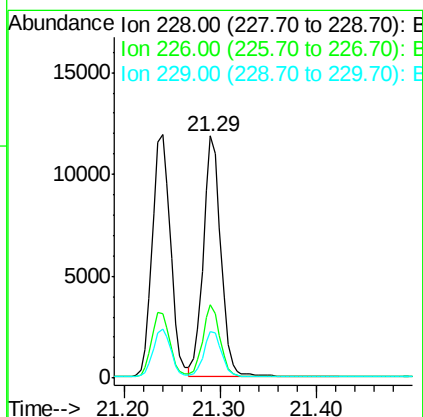
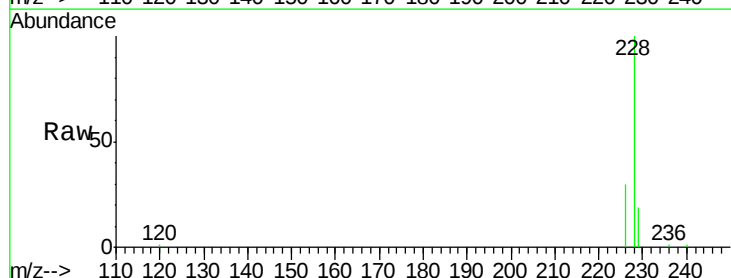
Tgt Ion:228 Resp: 15000

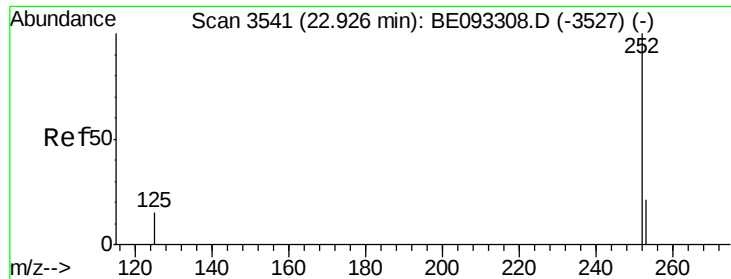
Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

229 19.3 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.43 ng/u1

RT: 22.92 min Scan# 3540

Delta R.T. -0.00 min

Lab File: BE093323.D

Acq: 21 Jun 2017 19:47

Instrument :

BNA_E

ClientSampleId :

SSTD0.420

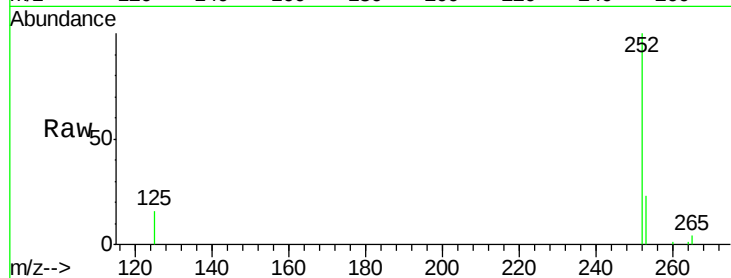
Tgt Ion:252 Resp: 14250

Ion Ratio Lower Upper

252 100

253 22.6 0.0 64.2

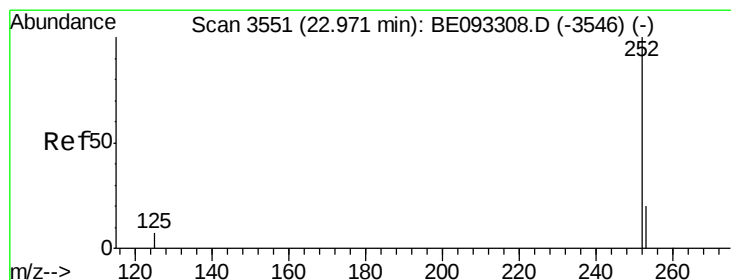
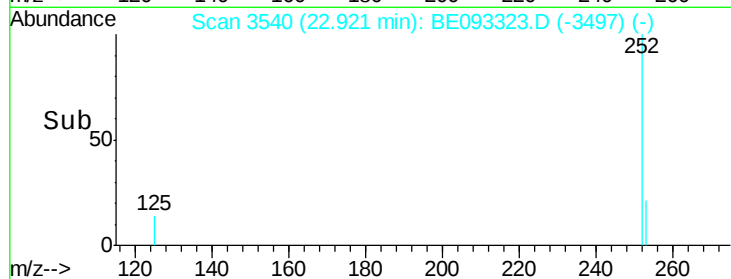
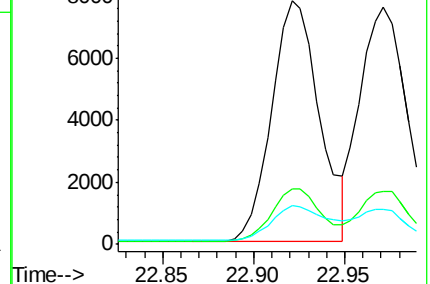
125 15.7 0.0 35.0



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: 0.39 ng/u1

RT: 22.97 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE093323.D

Acq: 21 Jun 2017 19:47

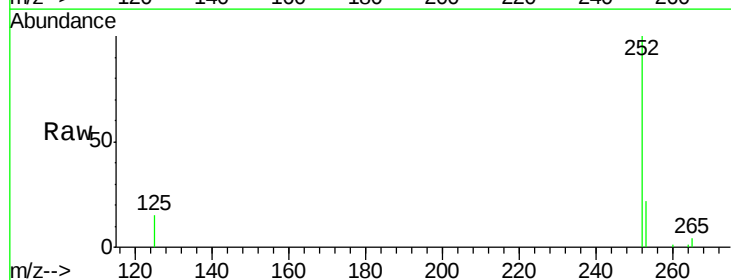
Tgt Ion:252 Resp: 13809

Ion Ratio Lower Upper

252 100

253 22.5 24.5 36.7#

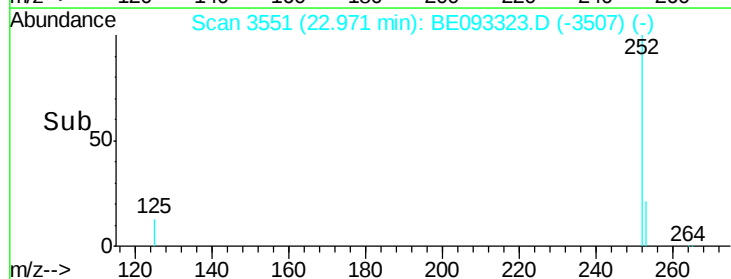
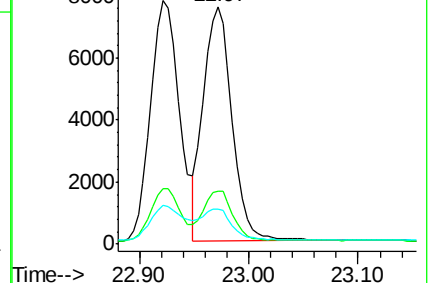
125 14.7 13.7 20.5

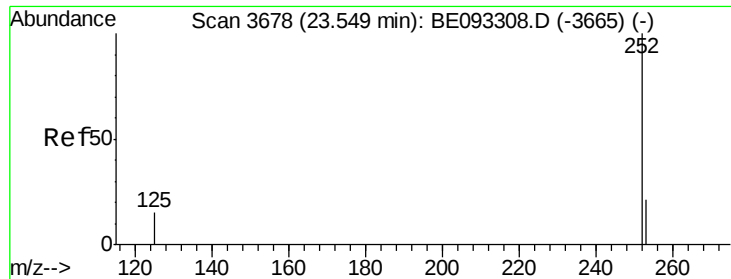


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.42 ng/ul

RT: 23.55 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BE093323.D

Acq: 21 Jun 2017 19:47

Instrument :

BNA_E

ClientSampleId :

SSTD0.420

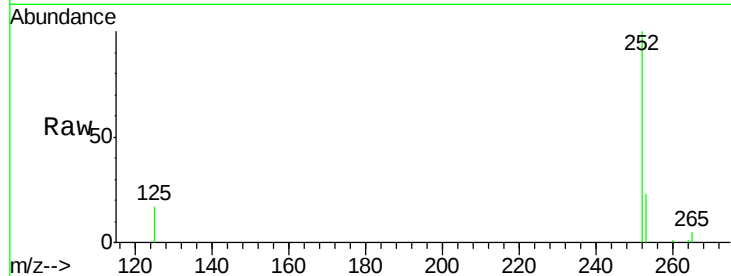
Tgt Ion:252 Resp: 13235

Ion Ratio Lower Upper

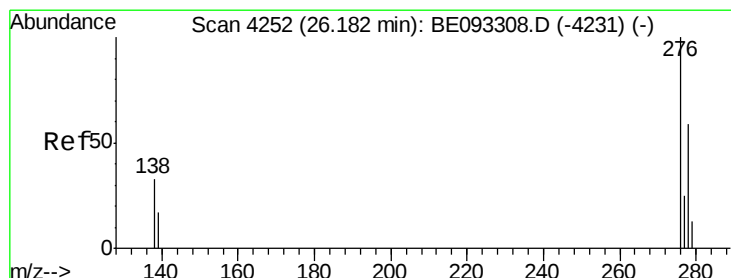
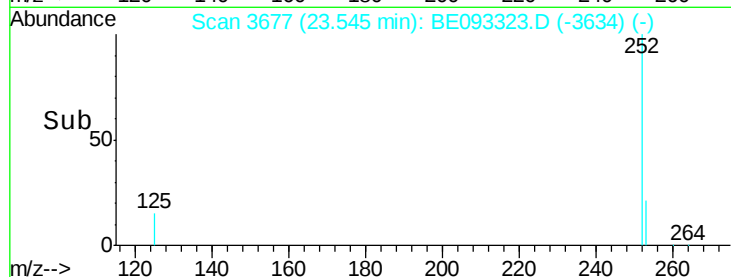
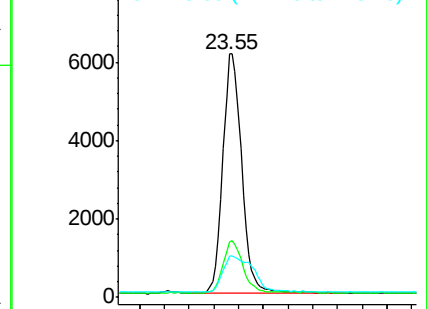
252 100

253 22.9 28.5 42.7#

125 16.9 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: 0.42 ng/ul

RT: 26.18 min Scan# 4251

Delta R.T. -0.00 min

Lab File: BE093323.D

Acq: 21 Jun 2017 19:47

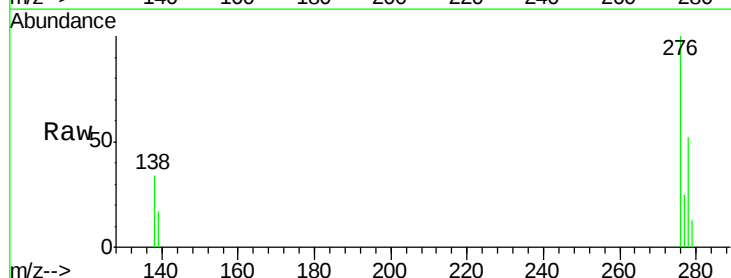
Tgt Ion:276 Resp: 15252

Ion Ratio Lower Upper

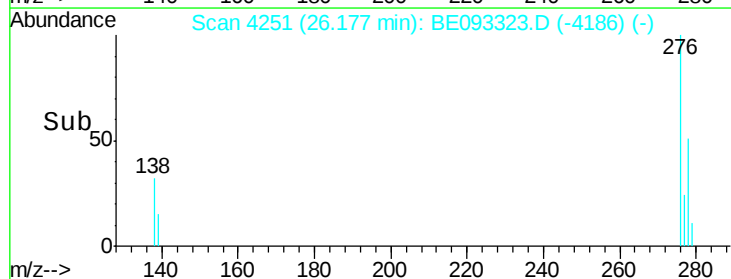
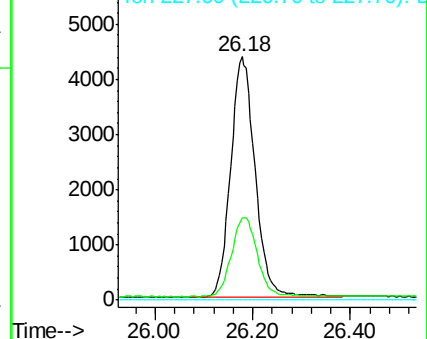
276 100

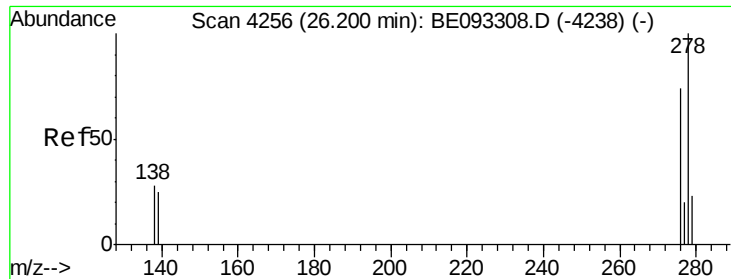
138 34.5 28.0 42.0

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

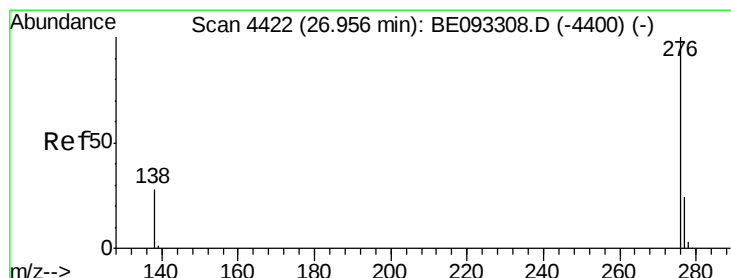
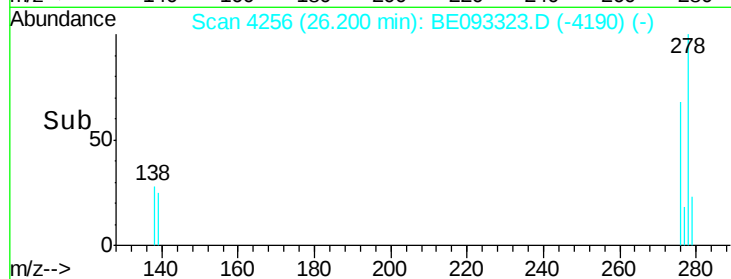
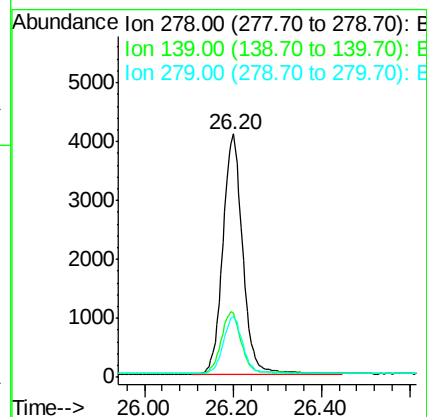
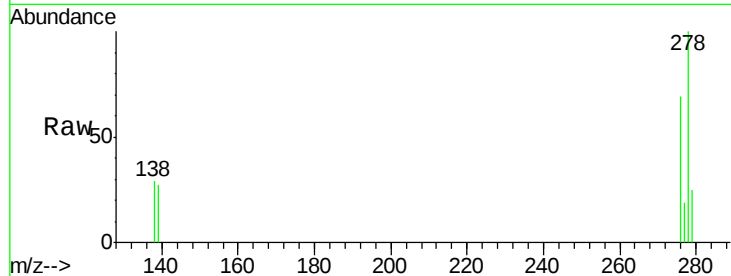




#25
Dibenzo(a,h)anthracene
Concen: 0.42 ng/ul
RT: 26.20 min Scan# 4256
Delta R.T. 0.00 min
Lab File: BE093323.D
Acq: 21 Jun 2017 19:47

Instrument :
BNA_E
ClientSampleId :
SSTD0.420

Tgt Ion: 278 Resp: 12750
Ion Ratio Lower Upper
278 100
139 26.6 17.4 26.0#
279 24.6 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.40 ng/ul
RT: 26.95 min Scan# 4421
Delta R.T. -0.00 min
Lab File: BE093323.D
Acq: 21 Jun 2017 19:47

Tgt Ion: 276 Resp: 12453
Ion Ratio Lower Upper
276 100
138 29.6 21.8 32.8
277 24.3 20.5 30.7

