

Data File : BE093276.D
Acq On : 20 Jun 2017 11:31
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.416

Quant Time: Jun 21 01:48:19 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 08:49:11 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1918	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9968	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5697	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	14385	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	15245	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	13074	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	6329	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	16197	0.41	ng/ul	0.00

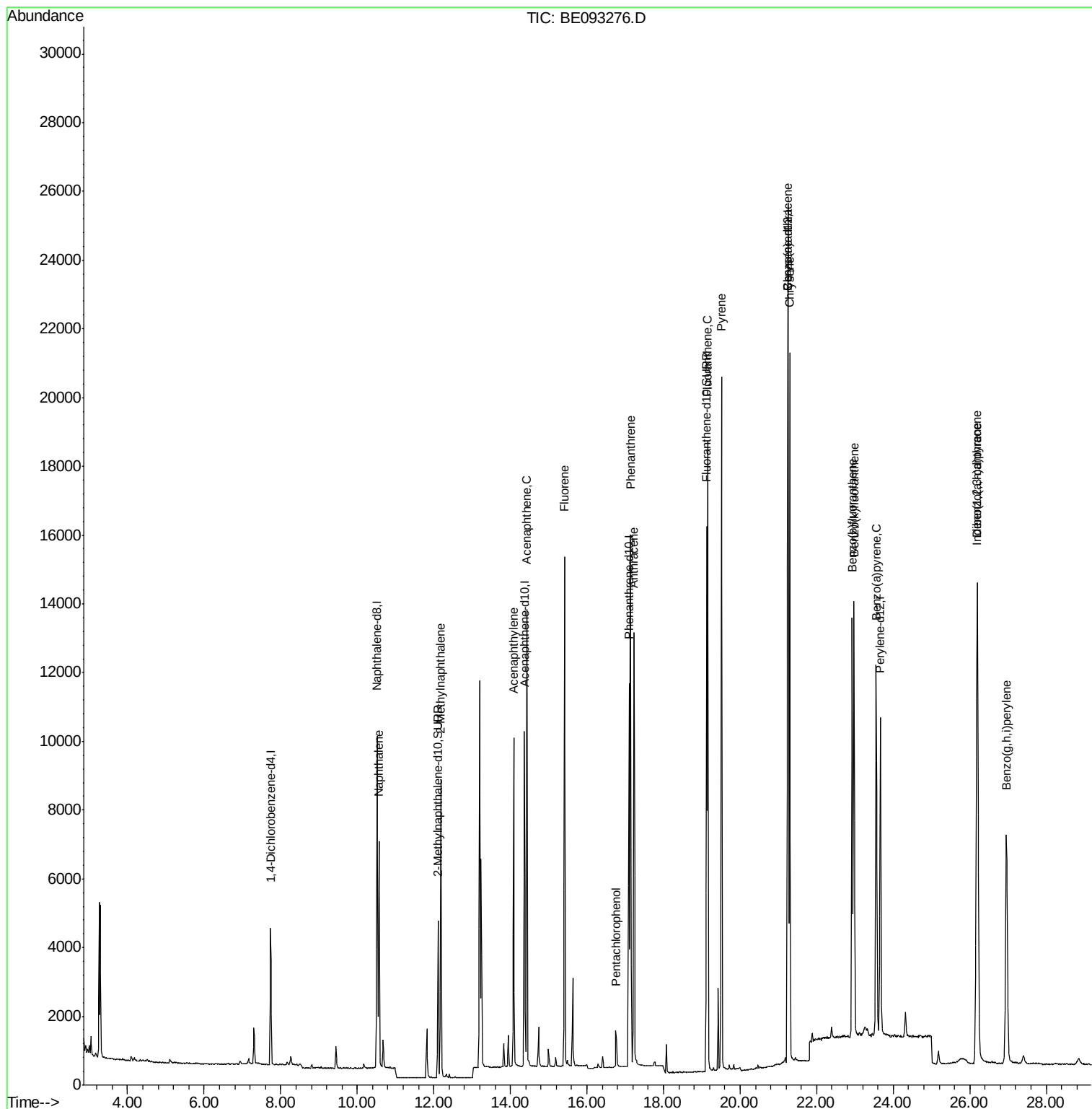
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	10165	0.41	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	7280	0.43	ng/ul	98
7) Acenaphthylene	14.09	152	10953	0.45	ng/ul	95
8) Acenaphthene	14.42	153	8094	0.41	ng/ul	96
9) Fluorene	15.42	166	9244	0.40	ng/ul	93
11) Pentachlorophenol	16.76	266	986	0.46	ng/ul	95
12) Phenanthrene	17.14	178	16172	0.41	ng/ul#	89
13) Anthracene	17.22	178	15268	0.44	ng/ul#	89
15) Fluoranthene	19.16	202	19684	0.41	ng/ul	83
17) Pyrene	19.51	202	21118	0.47	ng/ul#	88
18) Benzo(a)anthracene	21.24	228	18680	0.46	ng/ul#	86
19) Chrysene	21.29	228	17331	0.41	ng/ul	96
21) Benzo(b)fluoranthene	22.93	252	16959	0.43	ng/ul	90
22) Benzo(k)fluoranthene	22.98	252	16369	0.39	ng/ul#	91
23) Benzo(a)pyrene	23.55	252	15955	0.43	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.18	276	18284	0.42	ng/ul#	93
25) Dibenzo(a,h)anthracene	26.20	278	15271	0.42	ng/ul#	88
26) Benzo(g,h,i)perylene	26.96	276	15051	0.40	ng/ul	96

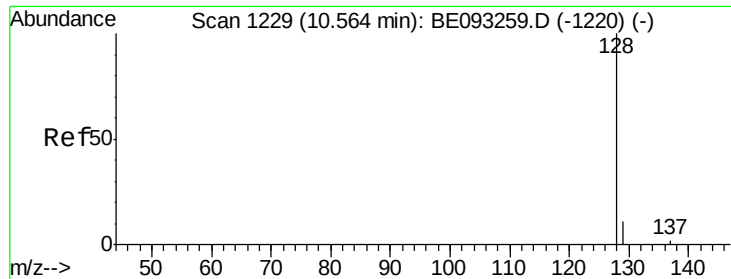
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093276.D

Acq: 20 Jun 2017 11:31

Instrument :

BNA_E

ClientSampleId :

SSTD0.416

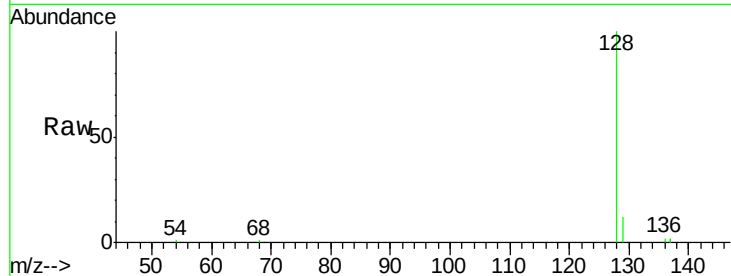
Tgt Ion:128 Resp: 10165

Ion Ratio Lower Upper

128 100

129 11.6 11.3 16.9

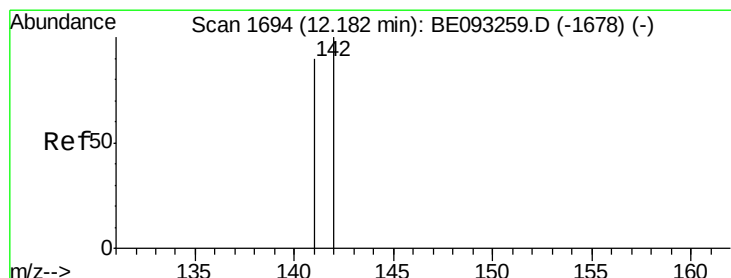
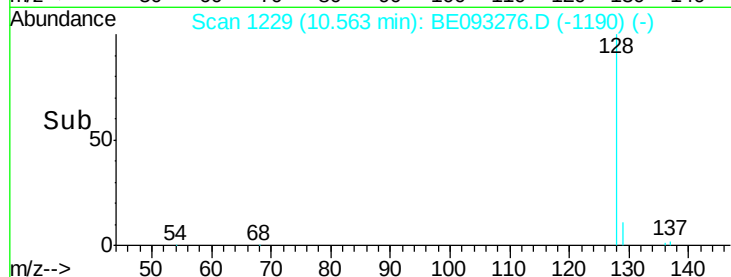
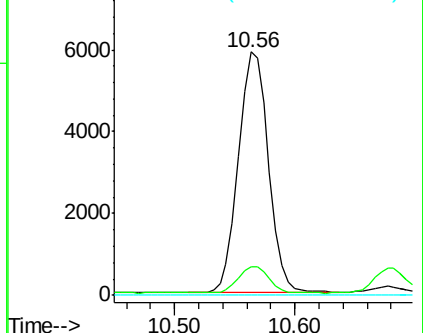
127 0.0 4.0 6.0#



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: 0.43 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093276.D

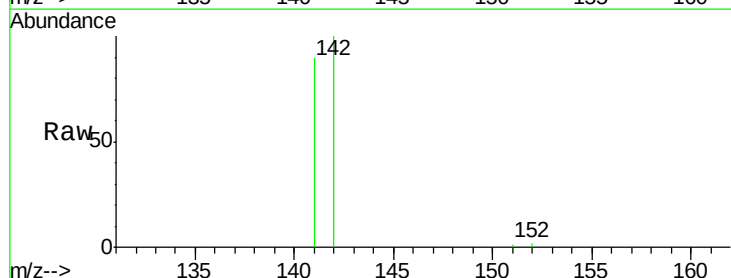
Acq: 20 Jun 2017 11:31

Tgt Ion:142 Resp: 7280

Ion Ratio Lower Upper

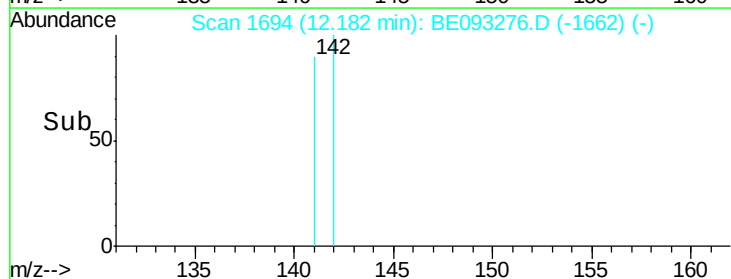
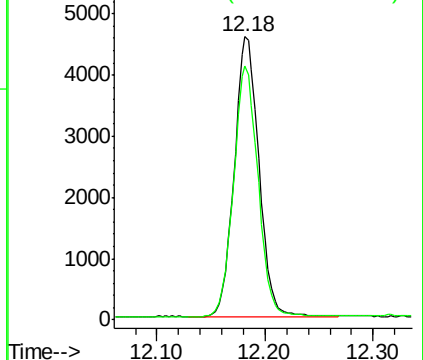
142 100

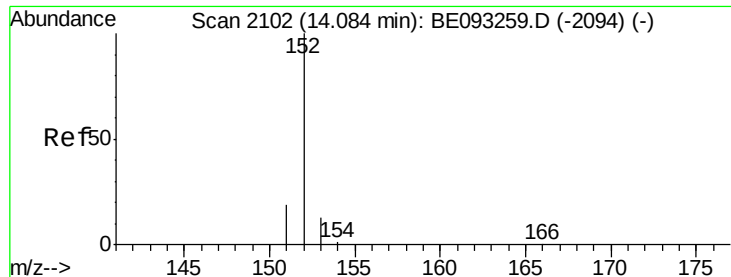
141 89.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.45 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093276.D

Acq: 20 Jun 2017 11:31

Instrument :

BNA_E

ClientSampleId :

SSTD0.416

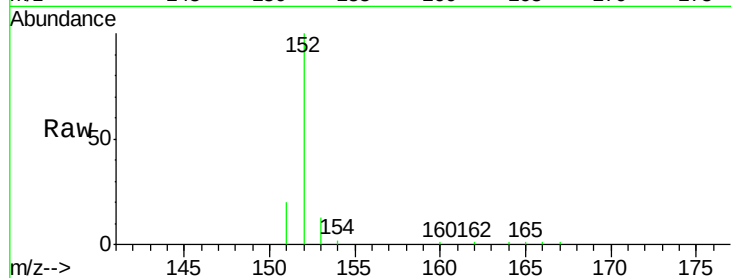
Tgt Ion:152 Resp: 10953

Ion Ratio Lower Upper

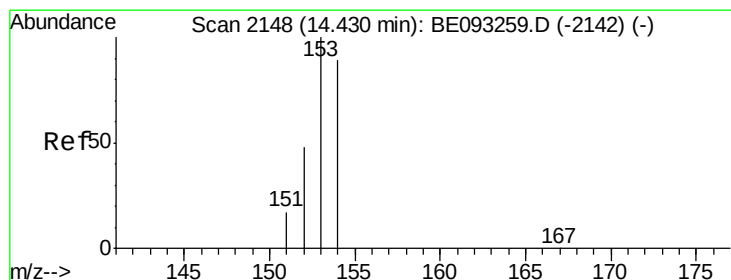
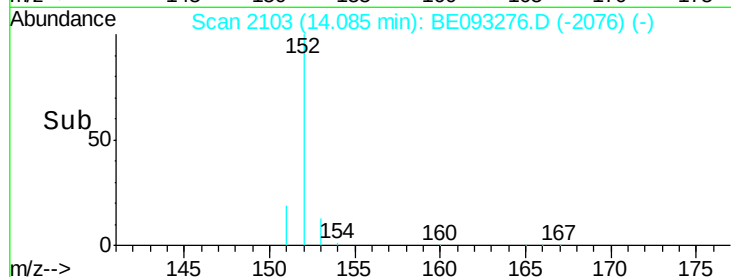
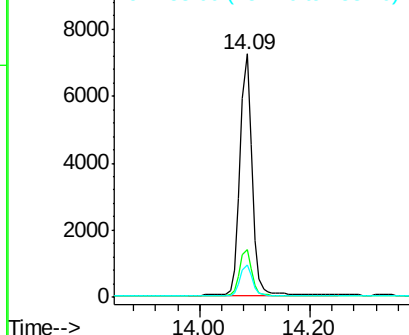
152 100

151 19.7 17.1 25.7

153 13.5 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. -0.01 min

Lab File: BE093276.D

Acq: 20 Jun 2017 11:31

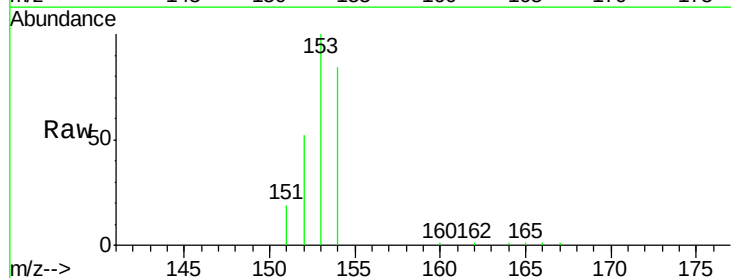
Tgt Ion:153 Resp: 8094

Ion Ratio Lower Upper

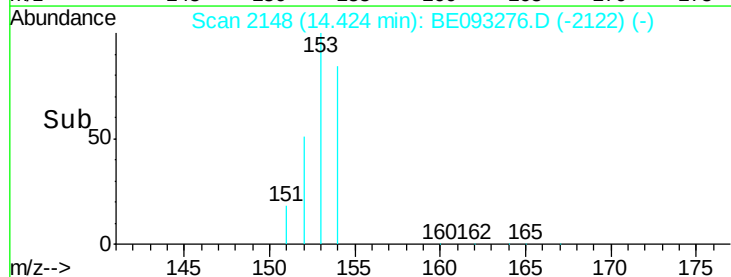
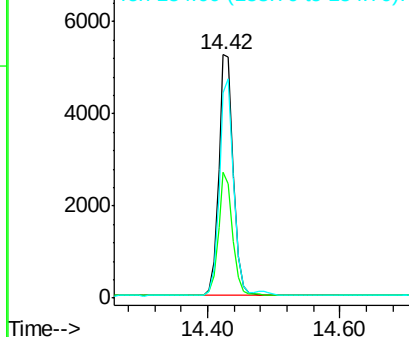
153 100

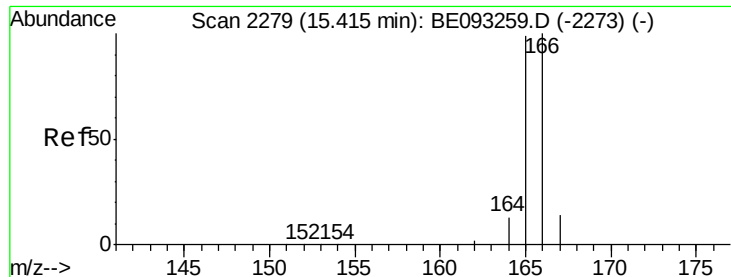
152 51.8 40.3 60.5

154 84.4 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

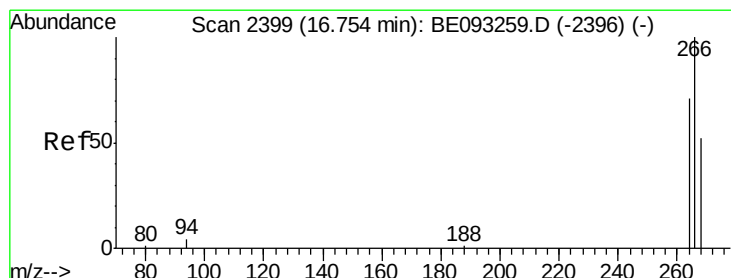
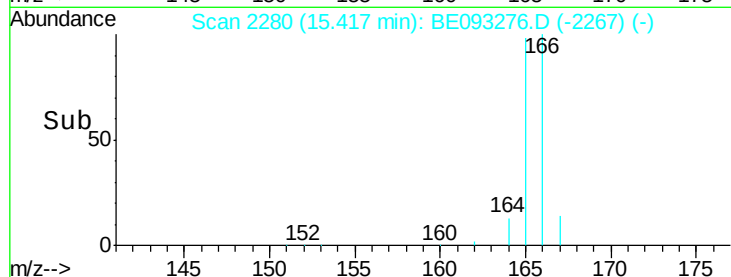
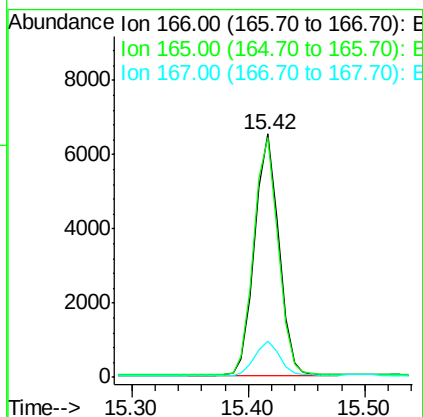
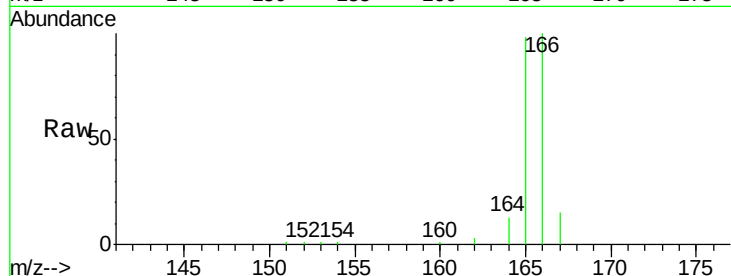




#9
Fluorene
 Concen: 0.40 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BE093276.D
 Acq: 20 Jun 2017 11:31

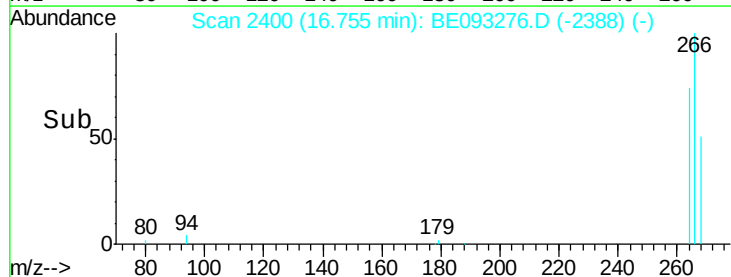
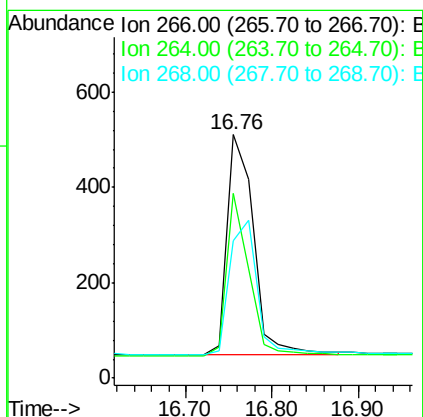
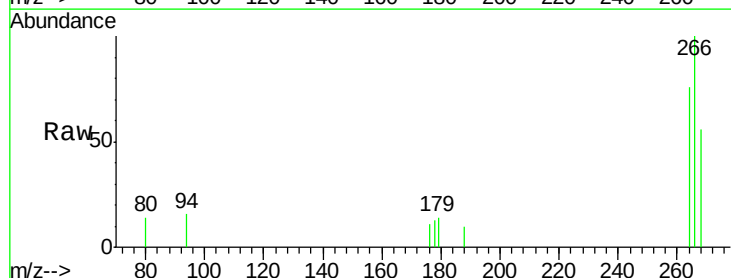
Instrument :
 BNA_E
 ClientSampleId :
 SST0.416

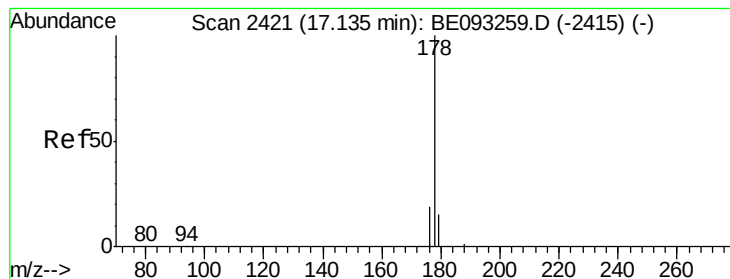
Tgt Ion:166 Resp: 9244
 Ion Ratio Lower Upper
 166 100
 165 98.2 73.4 110.2
 167 15.0 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.46 ng/ul
 RT: 16.76 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: BE093276.D
 Acq: 20 Jun 2017 11:31

Tgt Ion:266 Resp: 986
 Ion Ratio Lower Upper
 266 100
 264 64.3 47.9 71.9
 268 65.4 49.8 74.8





#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093276.D

Acq: 20 Jun 2017 11:31

Instrument :

BNA_E

ClientSampleId :

SSTD0.416

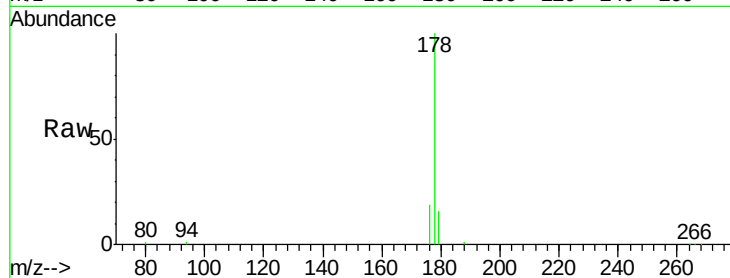
Tgt Ion:178 Resp: 16172

Ion Ratio Lower Upper

178 100

179 15.5 18.4 27.6#

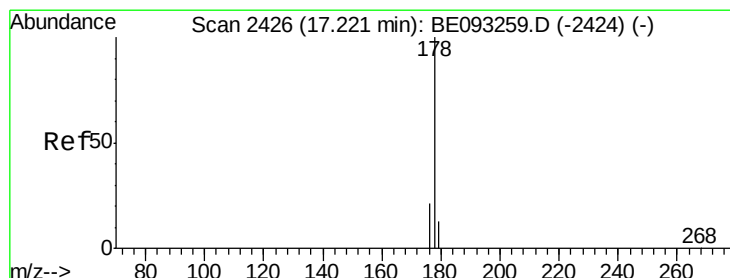
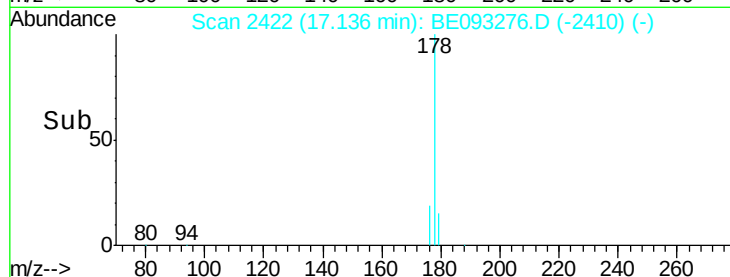
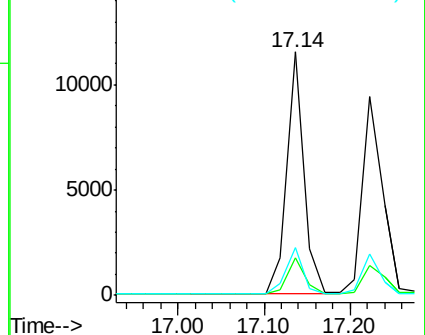
176 19.5 13.6 20.4



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: 0.44 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093276.D

Acq: 20 Jun 2017 11:31

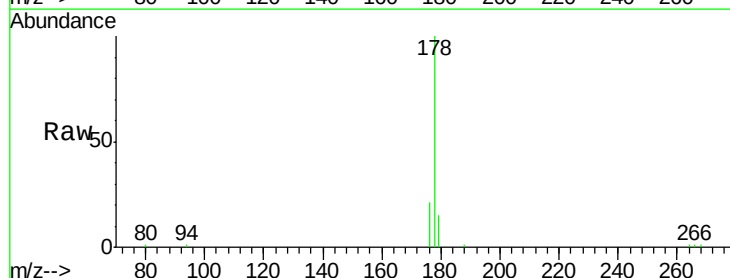
Tgt Ion:178 Resp: 15268

Ion Ratio Lower Upper

178 100

179 14.7 18.1 27.1#

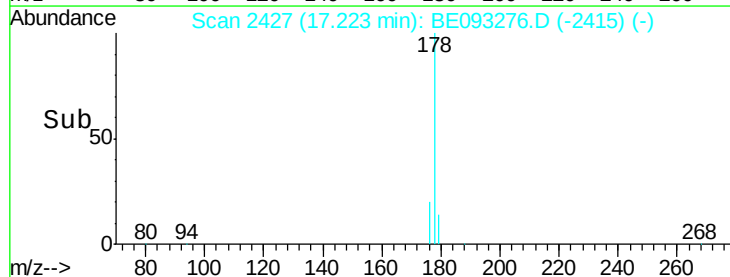
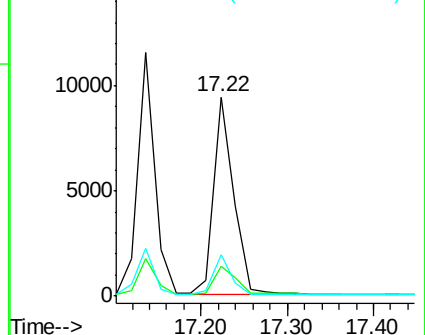
176 20.8 14.7 22.1

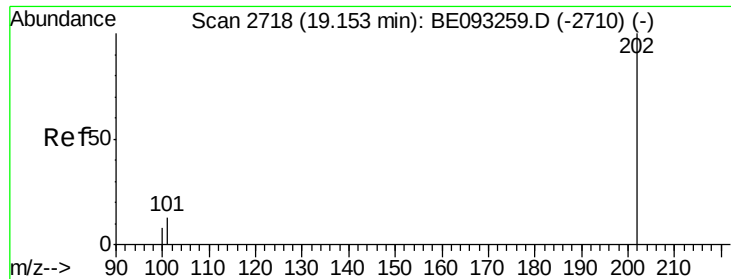


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

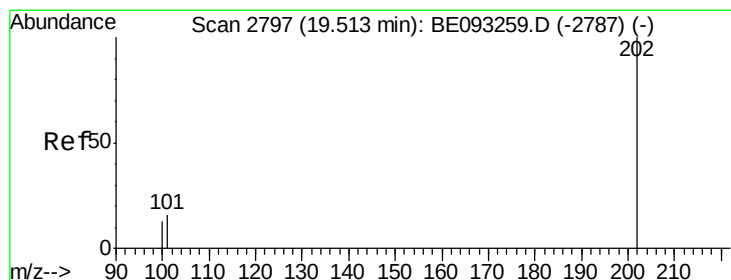
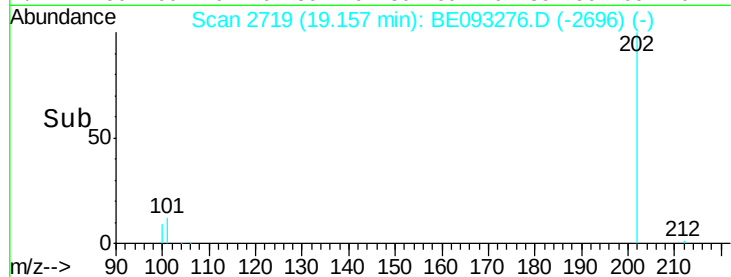
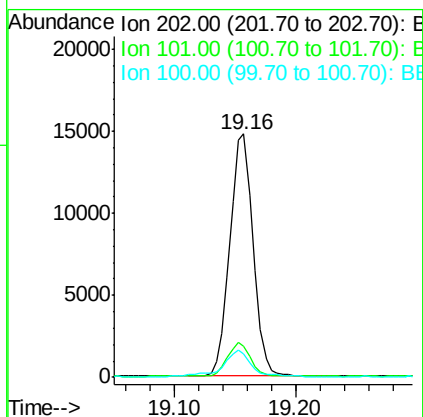
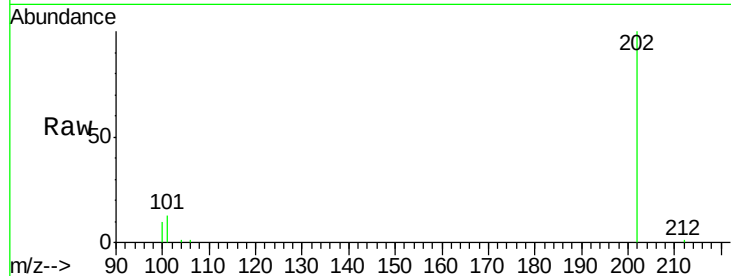




#15
Fluoranthene
Concen: 0.41 ng/ul
RT: 19.16 min Scan# 2719
Delta R.T. 0.00 min
Lab File: BE093276.D
Acq: 20 Jun 2017 11:31

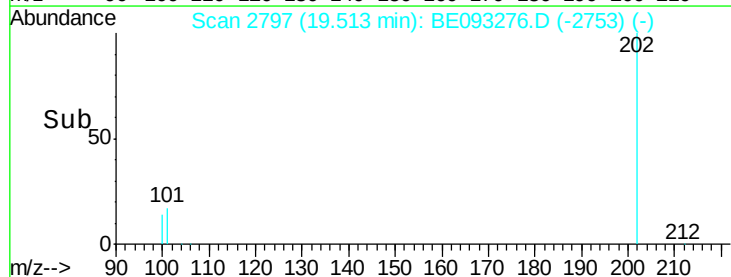
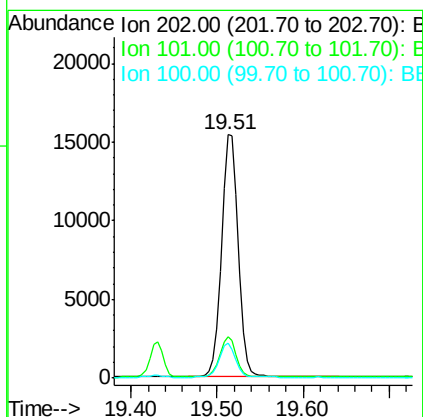
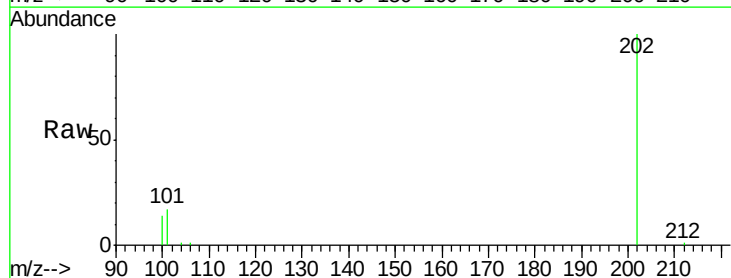
Instrument :
BNA_E
ClientSampleId :
SSTD0.416

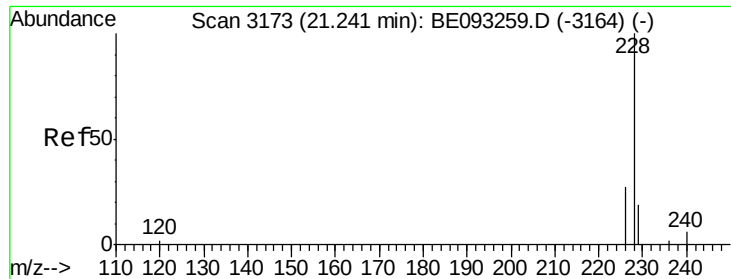
Tgt Ion:202 Resp: 19684
Ion Ratio Lower Upper
202 100
101 12.9 0.0 30.3
100 9.6 0.0 39.5



#17
Pyrene
Concen: 0.47 ng/ul
RT: 19.51 min Scan# 2797
Delta R.T. -0.00 min
Lab File: BE093276.D
Acq: 20 Jun 2017 11:31

Tgt Ion:202 Resp: 21118
Ion Ratio Lower Upper
202 100
101 16.9 18.2 27.4#
100 14.3 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.46 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093276.D

Acq: 20 Jun 2017 11:31

Instrument :

BNA_E

ClientSampleId :

SSTD0.416

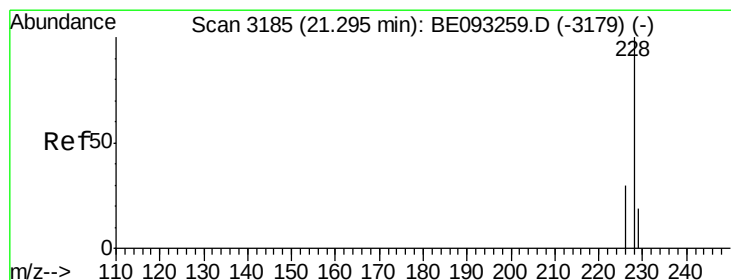
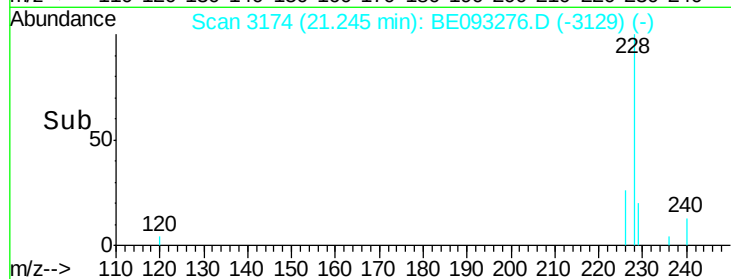
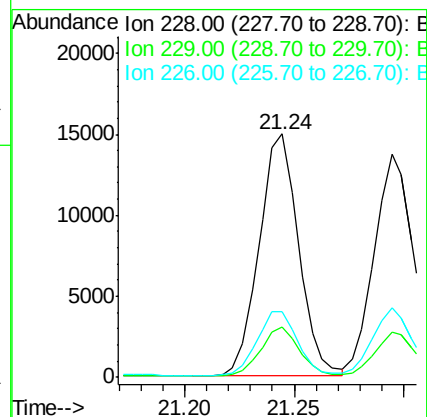
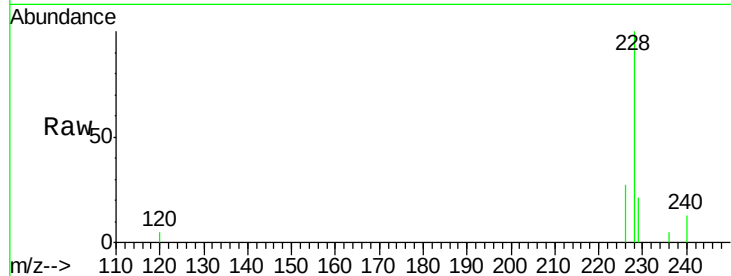
Tgt Ion:228 Resp: 18680

Ion Ratio Lower Upper

228 100

229 20.7 22.8 34.2#

226 27.0 17.0 25.6#



#19

Chrysene

Concen: 0.41 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093276.D

Acq: 20 Jun 2017 11:31

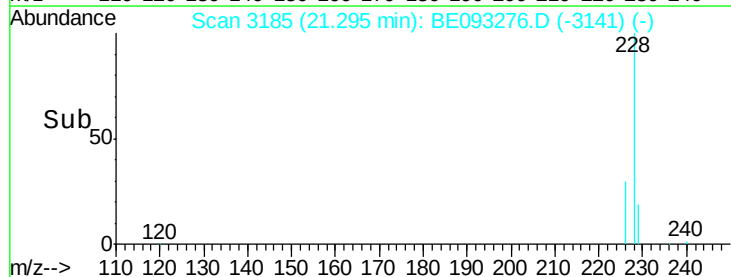
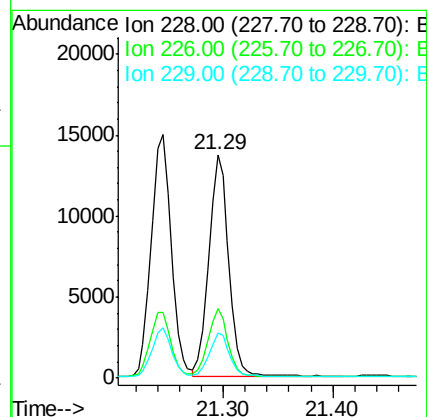
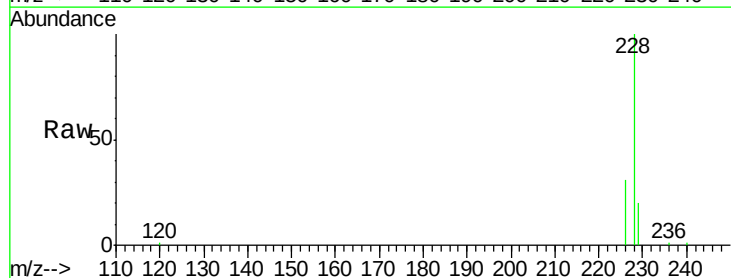
Tgt Ion:228 Resp: 17331

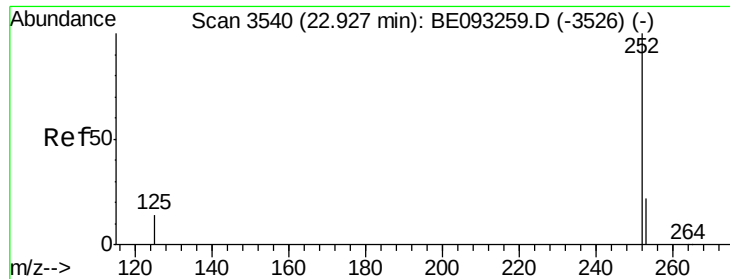
Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

229 20.0 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.43 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. -0.00 min

Lab File: BE093276.D

Acq: 20 Jun 2017 11:31

Instrument :

BNA_E

ClientSampleId :

SSTD0.416

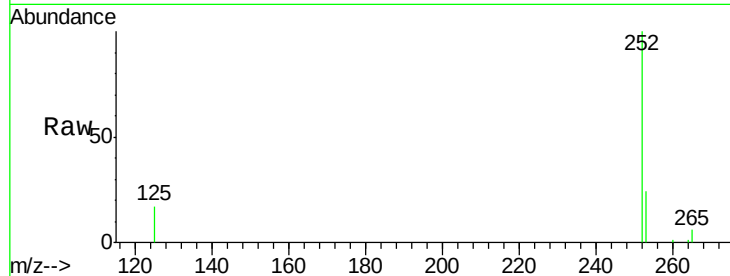
Tgt Ion:252 Resp: 16959

Ion Ratio Lower Upper

252 100

253 23.8 0.0 64.2

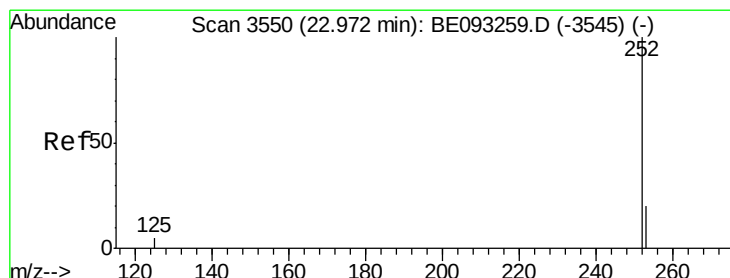
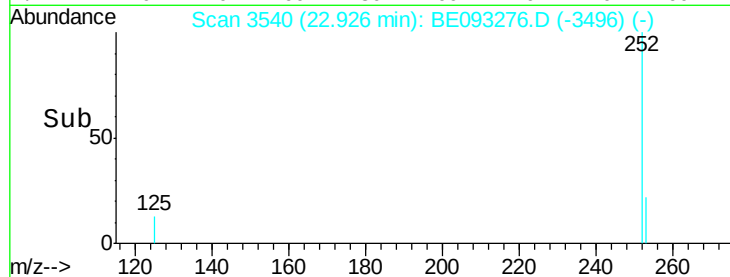
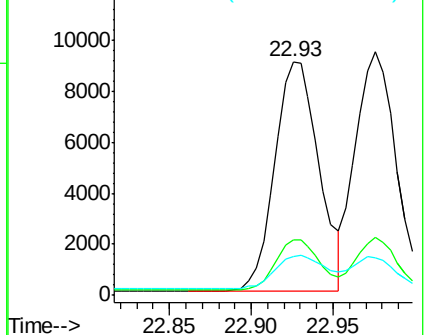
125 16.6 0.0 35.0



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: 0.39 ng/ul

RT: 22.98 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE093276.D

Acq: 20 Jun 2017 11:31

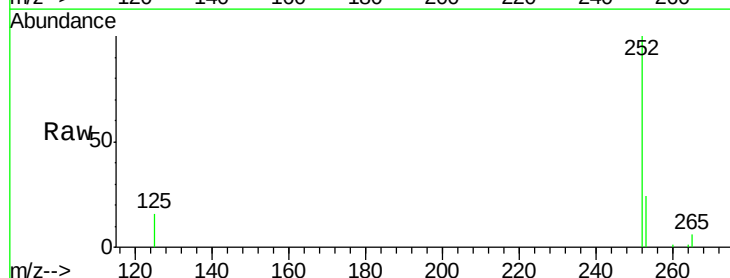
Tgt Ion:252 Resp: 16369

Ion Ratio Lower Upper

252 100

253 23.6 24.5 36.7#

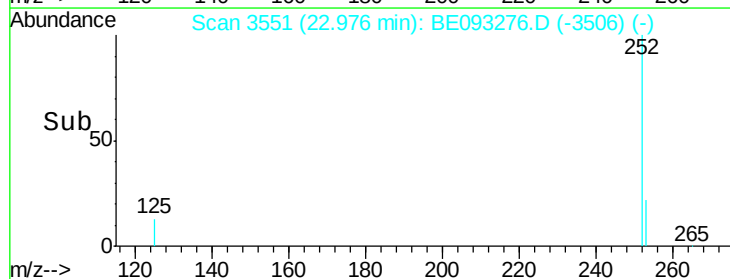
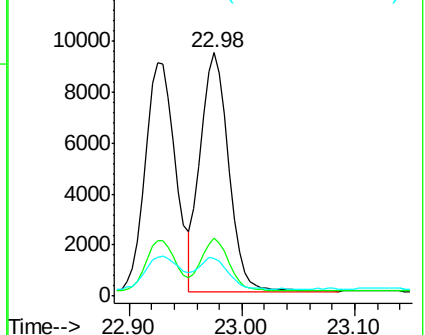
125 15.7 13.7 20.5

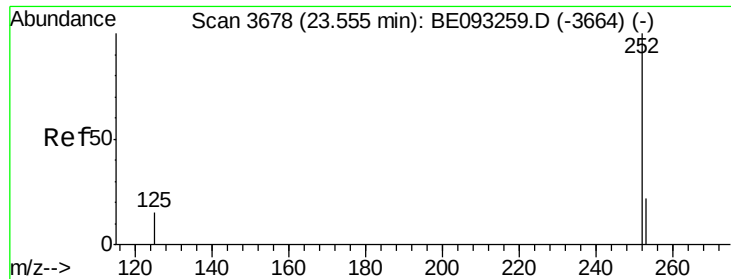


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.43 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BE093276.D

Acq: 20 Jun 2017 11:31

Instrument :

BNA_E

ClientSampleId :

SSTD0.416

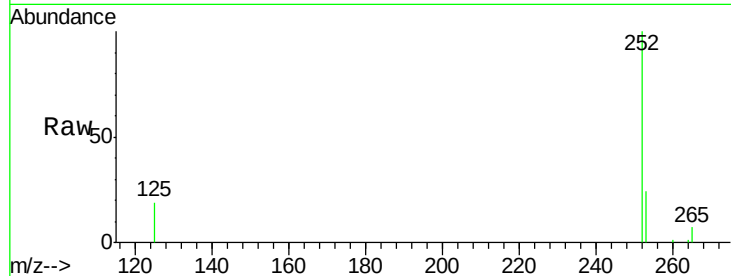
Tgt Ion:252 Resp: 15955

Ion Ratio Lower Upper

252 100

253 23.5 28.5 42.7#

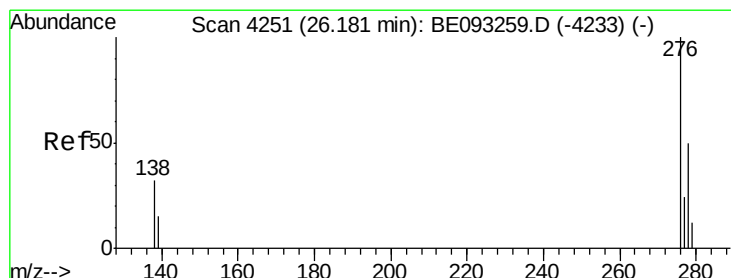
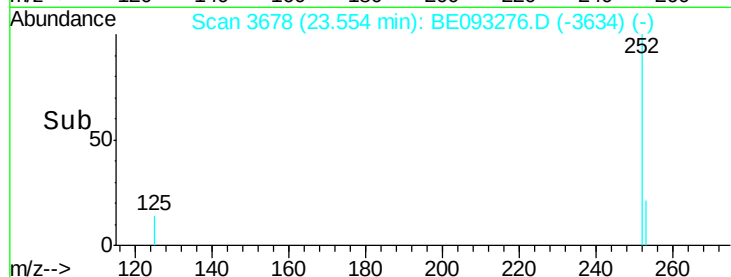
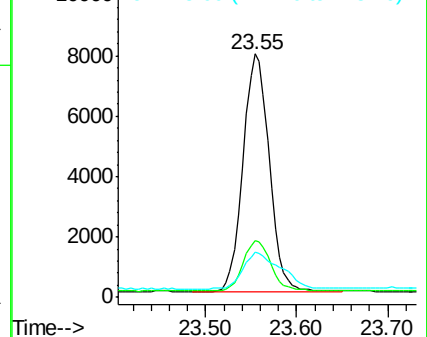
125 18.6 18.1 27.1



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: BE093276.D

Acq: 20 Jun 2017 11:31

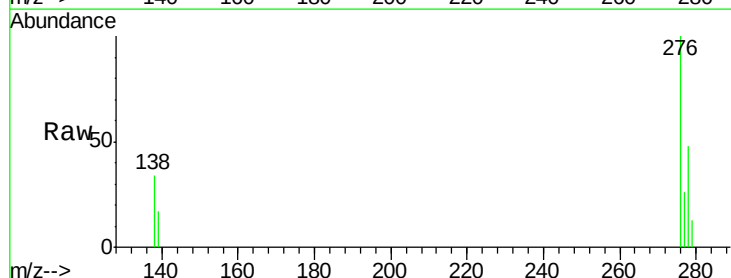
Tgt Ion:276 Resp: 18284

Ion Ratio Lower Upper

276 100

138 34.4 28.0 42.0

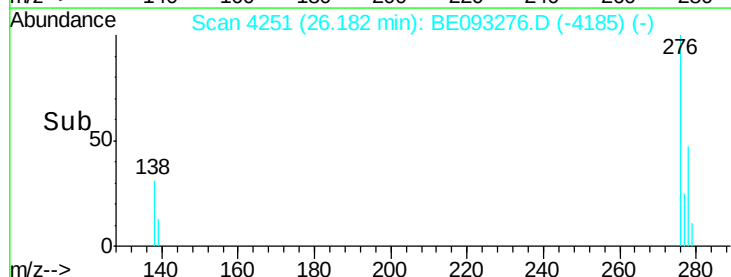
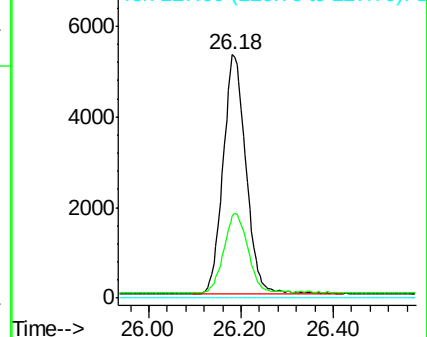
227 0.0 8.0 12.0#

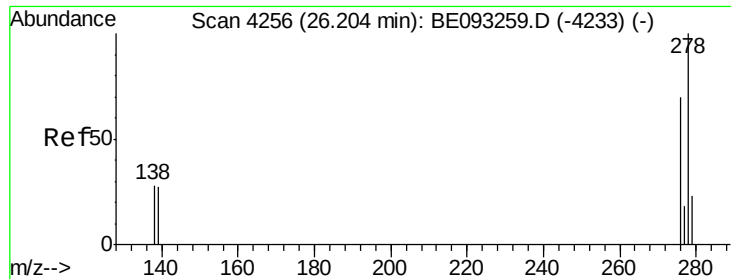


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

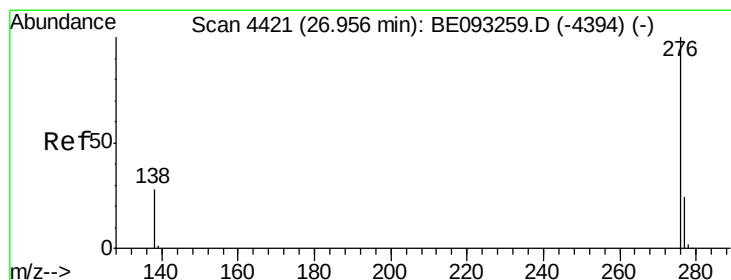
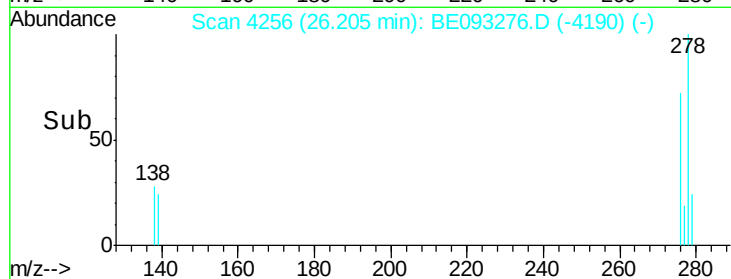
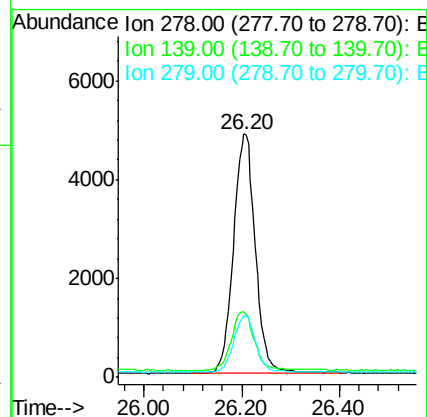
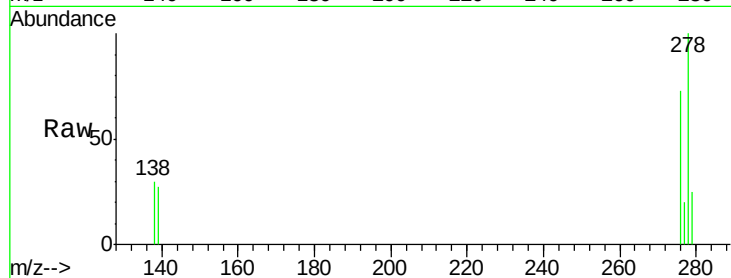




#25
Dibenzo(a,h)anthracene
Concen: 0.42 ng/ul
RT: 26.20 min Scan# 4256
Delta R.T. 0.00 min
Lab File: BE093276.D
Acq: 20 Jun 2017 11:31

Instrument :
BNA_E
ClientSampleId :
SSTD0.416

Tgt Ion: 278 Resp: 15271
Ion Ratio Lower Upper
278 100
139 27.2 17.4 26.0#
279 25.4 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.40 ng/ul
RT: 26.96 min Scan# 4421
Delta R.T. 0.00 min
Lab File: BE093276.D
Acq: 20 Jun 2017 11:31

Tgt Ion: 276 Resp: 15051
Ion Ratio Lower Upper
276 100
138 31.6 21.8 32.8
277 25.8 20.5 30.7

