

Data File : BE093128.D
Acq On : 13 Jun 2017 13:23
Operator : SJ/MA
Sample : SSTDCCC0.467
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.401

Quant Time: Jun 14 01:22:27 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 08 17:42:17 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	4830	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	22016	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	11929	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	30805	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	36796	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	31585	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	13349	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	36241	0.43	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	22498	0.41	ng/ul#	91
5) 2-Methylnaphthalene	12.19	142	15270	0.41	ng/ul	99
7) Acenaphthylene	14.09	152	20914	0.41	ng/ul	95
8) Acenaphthene	14.43	153	16948	0.41	ng/ul	98
9) Fluorene	15.42	166	19315	0.40	ng/ul#	89
11) Pentachlorophenol	16.76	266	2397	0.52	ng/ul	98
12) Phenanthrene	17.14	178	35716	0.42	ng/ul#	86
13) Anthracene	17.22	178	32792	0.44	ng/ul#	86
15) Fluoranthene	19.16	202	43800	0.42	ng/ul	83
17) Pyrene	19.52	202	46462	0.43	ng/ul#	82
18) Benzo(a)anthracene	21.24	228	44207	0.45	ng/ul#	86
19) Chrysene	21.29	228	42540	0.42	ng/ul	96
21) Benzo(b)fluoranthene	22.93	252	40273	0.42	ng/ul	90
22) Benzo(k)fluoranthene	22.98	252	39891	0.39	ng/ul#	90
23) Benzo(a)pyrene	23.55	252	38546	0.43	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.18	276	42716	0.41	ng/ul#	92
25) Dibenzo(a,h)anthracene	26.21	278	35504	0.40	ng/ul#	90
26) Benzo(g,h,i)perylene	26.95	276	35984	0.40	ng/ul	95

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

Data File : BE093128.D

Acq On : 13 Jun 2017 13:23

Operator : SJ/MA

Sample : SSTDCCC0.467

Misc :

ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTD0.401

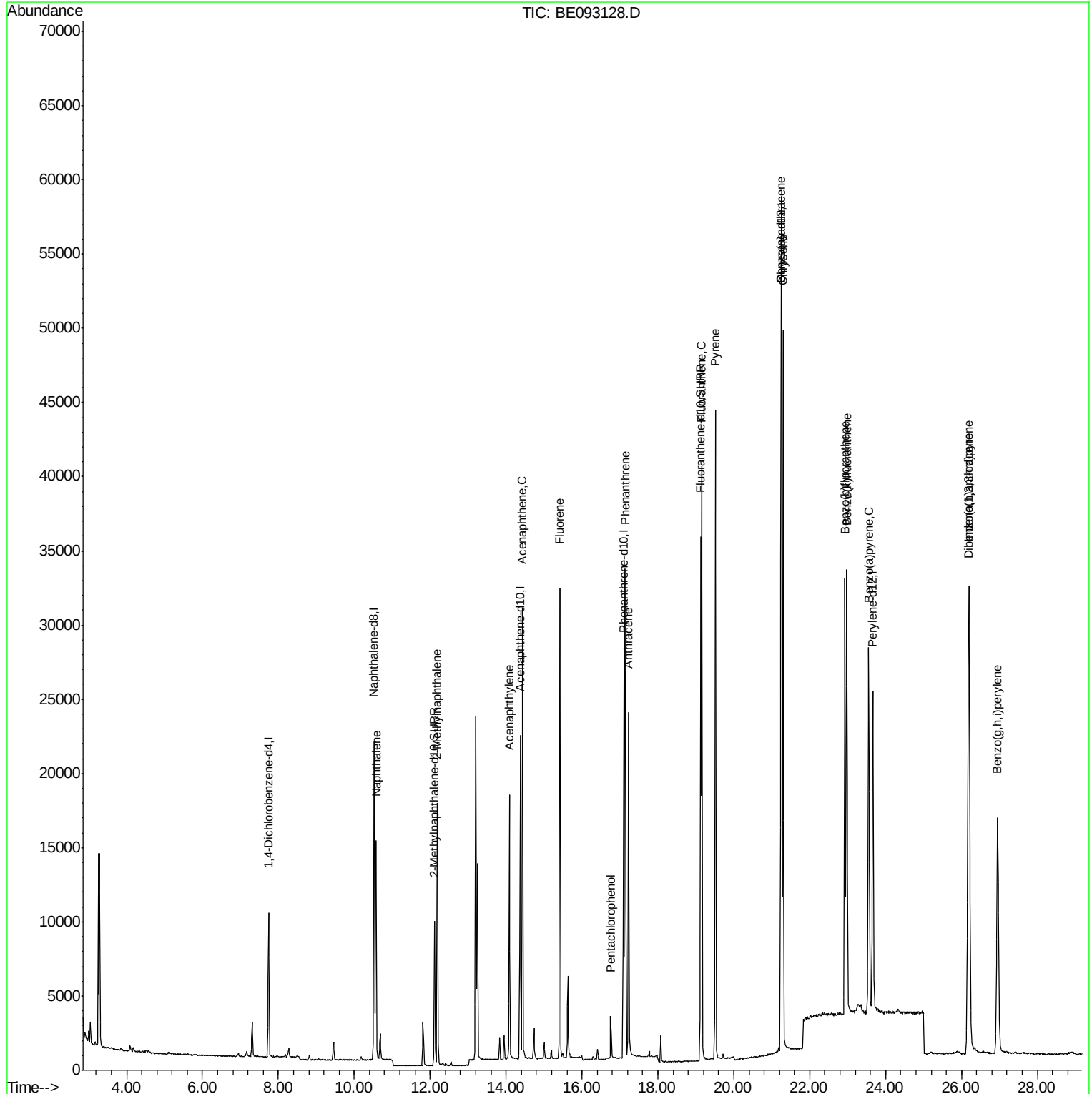
Quant Time: Jun 14 01:22:27 2017

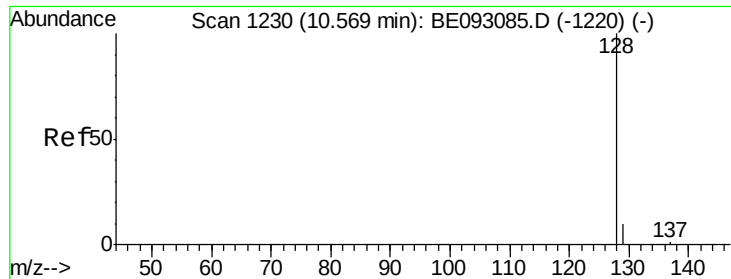
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 08 17:42:17 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.57 min Scan# 1231

Delta R.T. -0.00 min

Lab File: BE093128.D

Acq: 13 Jun 2017 13:23

Instrument :

BNA_E

ClientSampleId :

SSTD0.401

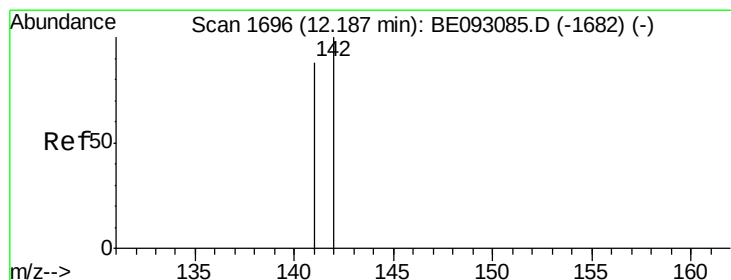
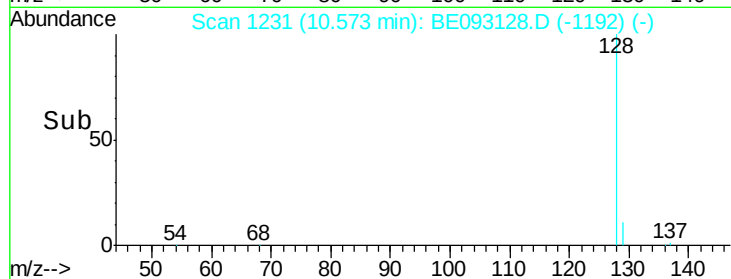
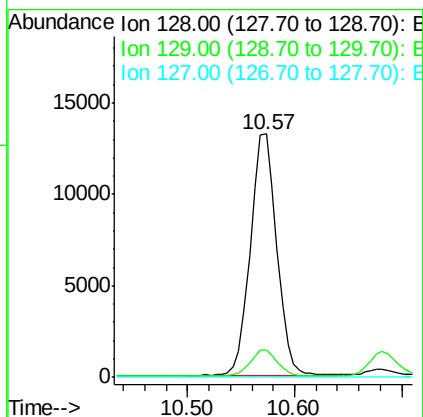
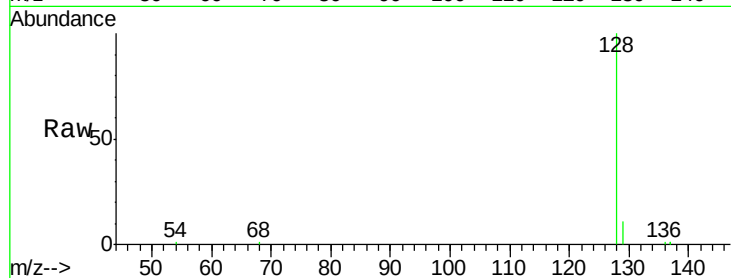
Tgt Ion:128 Resp: 22498

Ion Ratio Lower Upper

128 100

129 11.4 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.41 ng/ul

RT: 12.19 min Scan# 1697

Delta R.T. 0.00 min

Lab File: BE093128.D

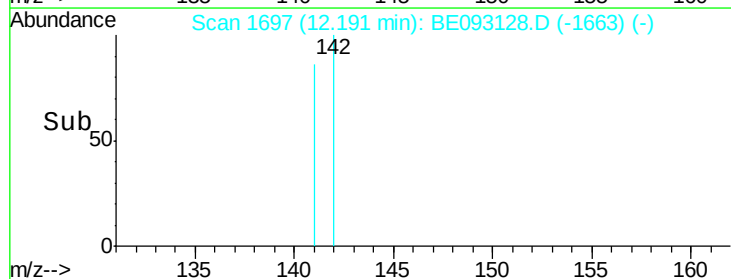
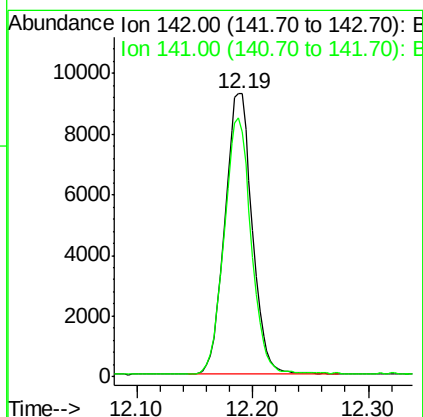
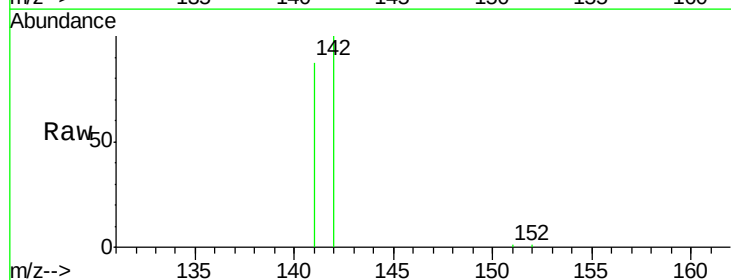
Acq: 13 Jun 2017 13:23

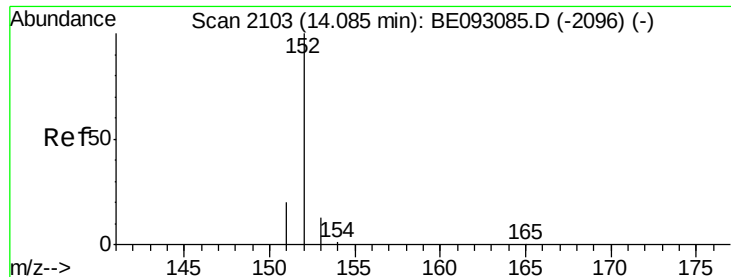
Tgt Ion:142 Resp: 15270

Ion Ratio Lower Upper

142 100

141 89.8 72.6 108.8





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093128.D

Acq: 13 Jun 2017 13:23

Instrument :

BNA_E

ClientSampleId :

SSTD0.401

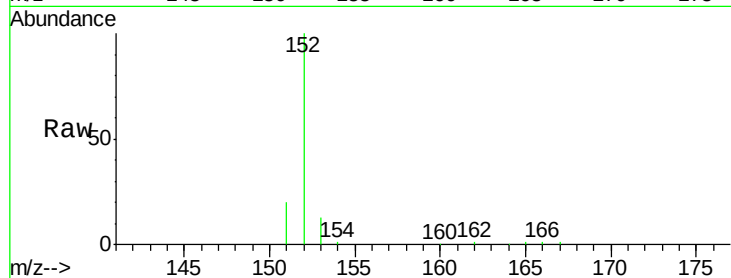
Tgt Ion:152 Resp: 20914

Ion Ratio Lower Upper

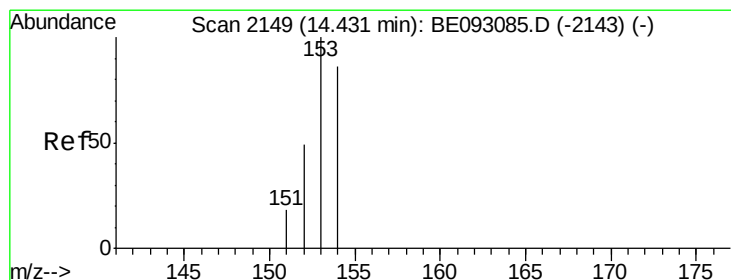
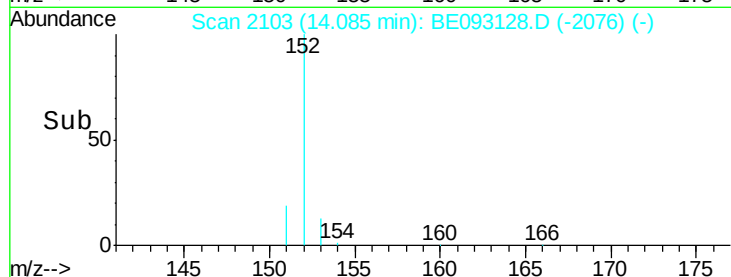
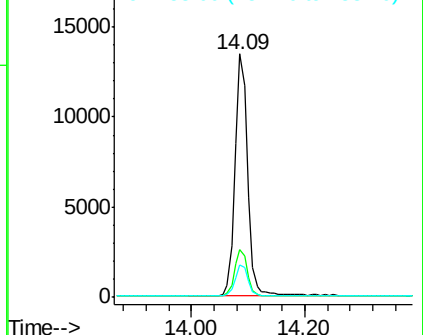
152 100

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: 14.43 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BE093128.D

Acq: 13 Jun 2017 13:23

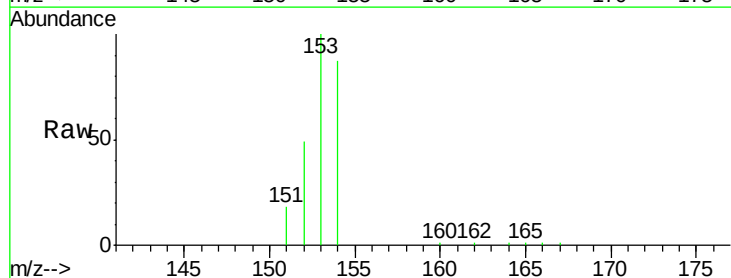
Tgt Ion:153 Resp: 16948

Ion Ratio Lower Upper

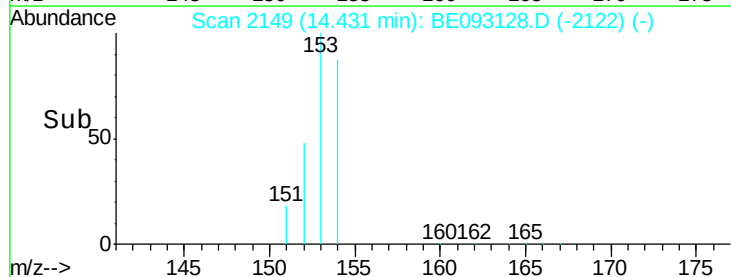
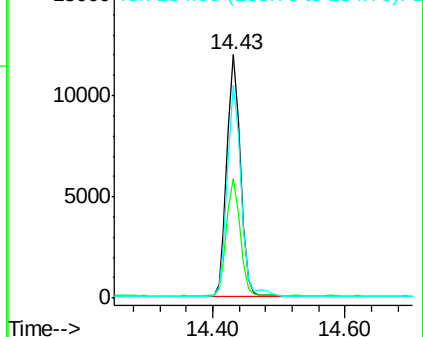
153 100

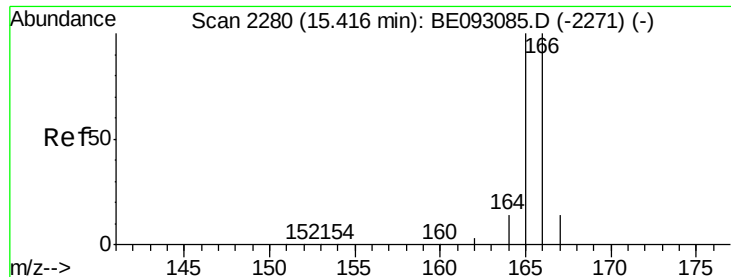
152 49.2 40.3 60.5

154 87.4 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

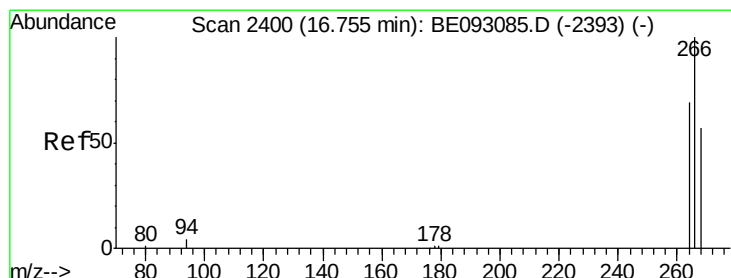
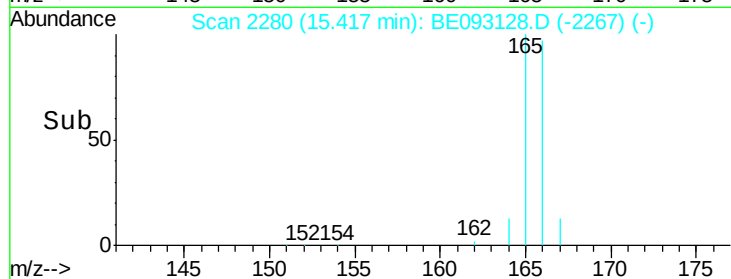
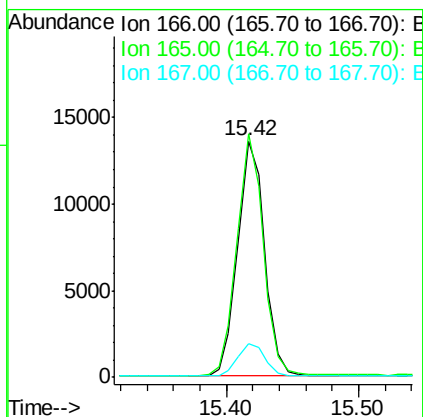
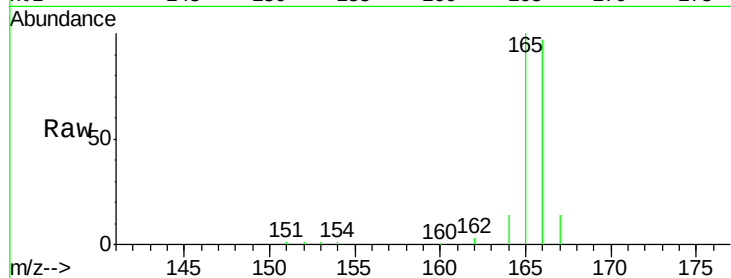




#9
Fluorene
 Concen: 0.40 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BE093128.D
 Acq: 13 Jun 2017 13:23

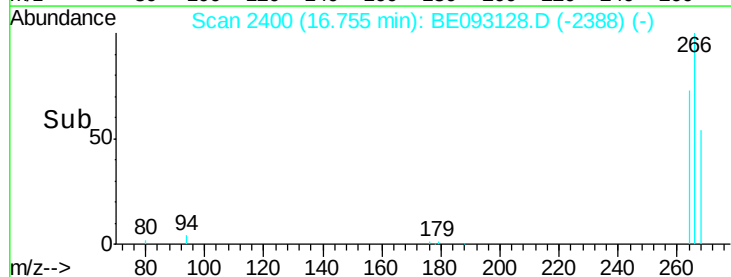
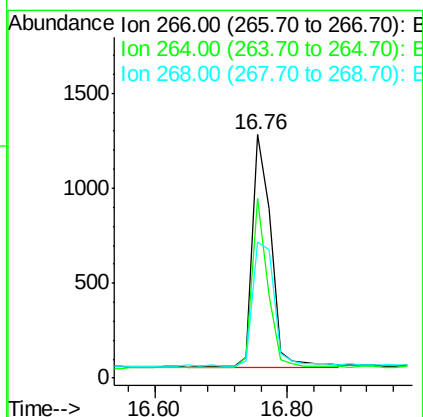
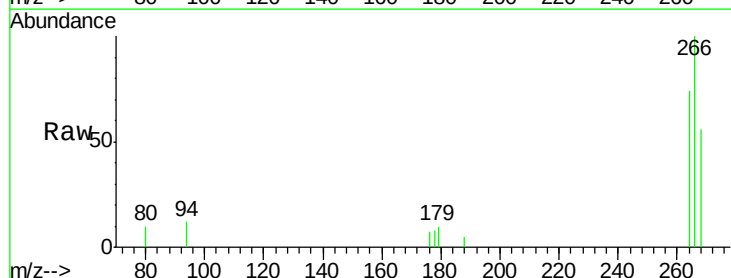
Instrument :
 BNA_E
 ClientSampleId :
 SST0.401

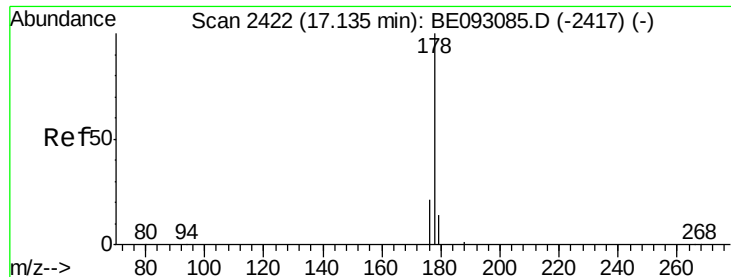
Tgt Ion:166 Resp: 19315
 Ion Ratio Lower Upper
 166 100
 165 103.0 73.4 110.2
 167 14.3 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.52 ng/ul
 RT: 16.76 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: BE093128.D
 Acq: 13 Jun 2017 13:23

Tgt Ion:266 Resp: 2397
 Ion Ratio Lower Upper
 266 100
 264 62.2 47.9 71.9
 268 60.9 49.8 74.8





#12

Phenanthrene

Concen: 0.42 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093128.D

Acq: 13 Jun 2017 13:23

Instrument :

BNA_E

ClientSampleId :

SSTD0.401

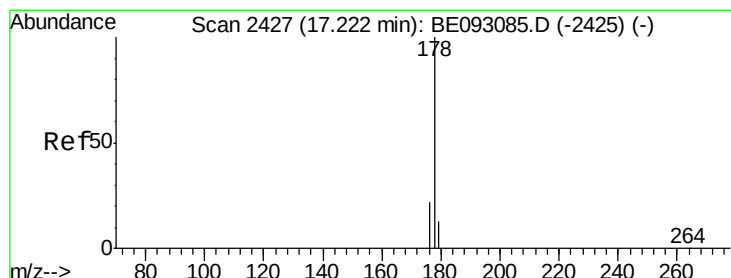
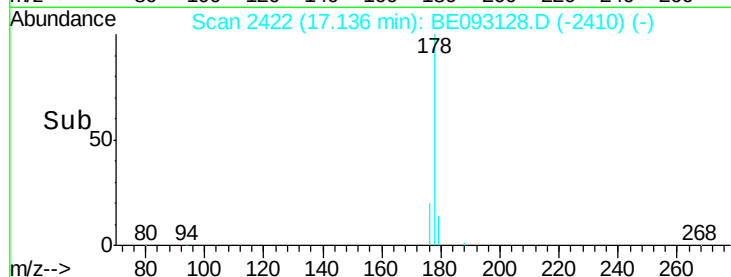
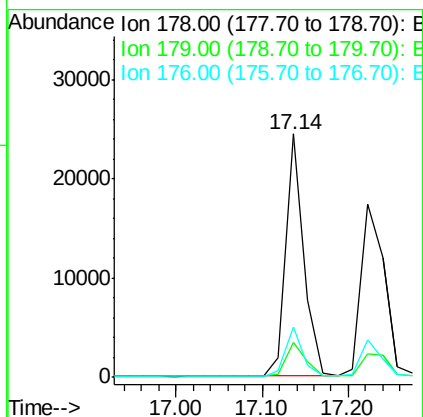
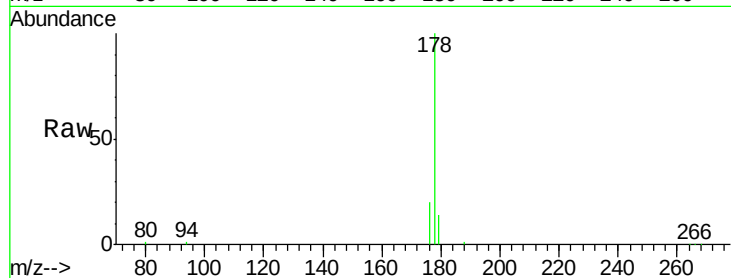
Tgt Ion:178 Resp: 35716

Ion Ratio Lower Upper

178 100

179 14.2 18.4 27.6#

176 20.5 13.6 20.4#



#13

Anthracene

Concen: 0.44 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.02 min

Lab File: BE093128.D

Acq: 13 Jun 2017 13:23

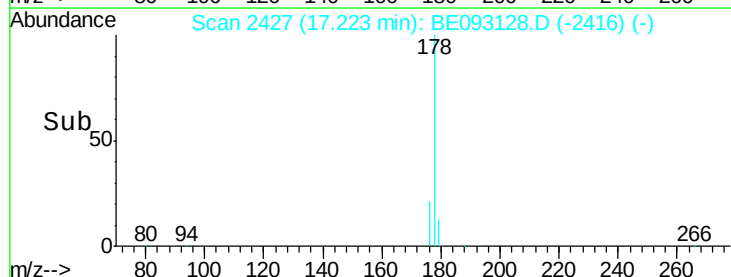
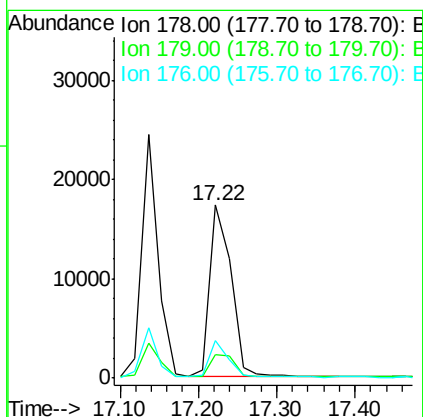
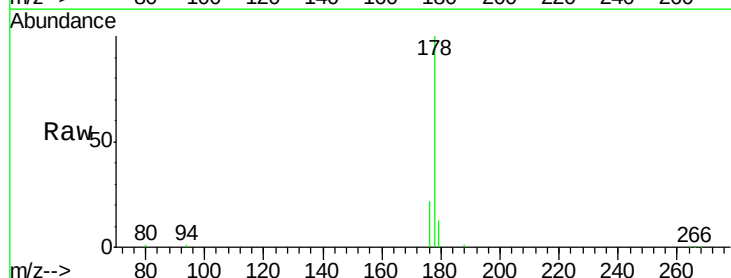
Tgt Ion:178 Resp: 32792

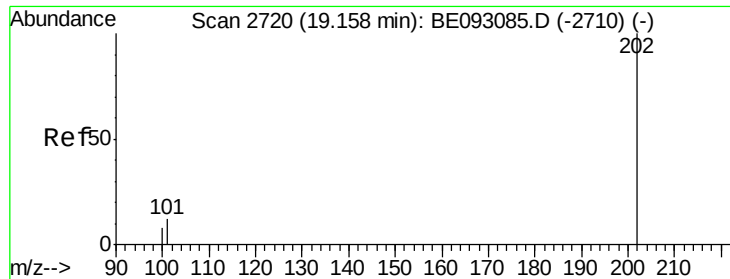
Ion Ratio Lower Upper

178 100

179 13.3 18.1 27.1#

176 21.7 14.7 22.1

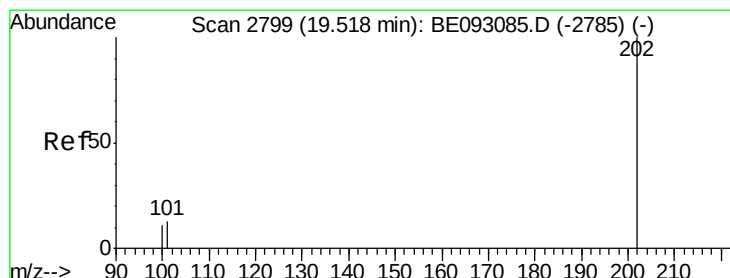
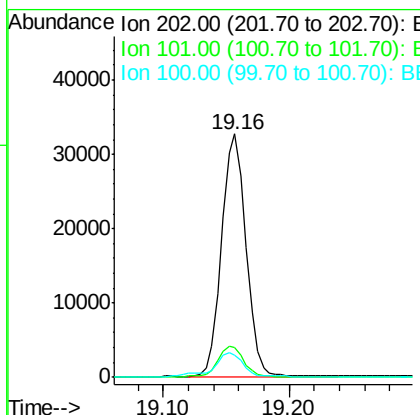
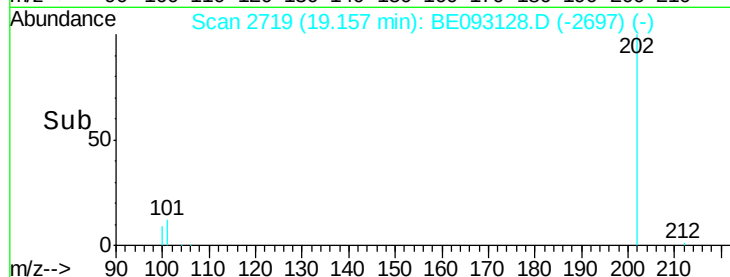
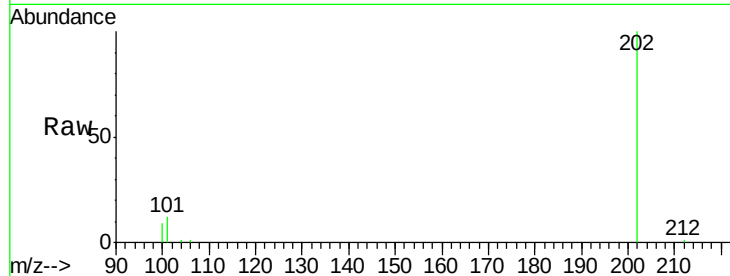




#15
Fluoranthene
 Concen: 0.42 ng/ul
 RT: 19.16 min Scan# 2719
 Delta R.T. -0.00 min
 Lab File: BE093128.D
 Acq: 13 Jun 2017 13:23

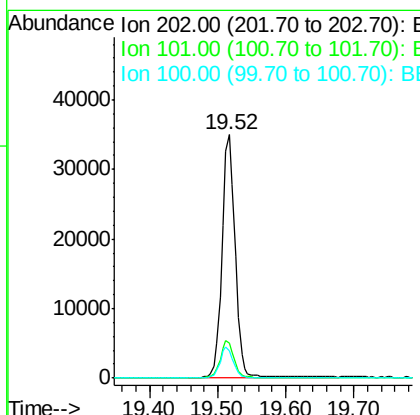
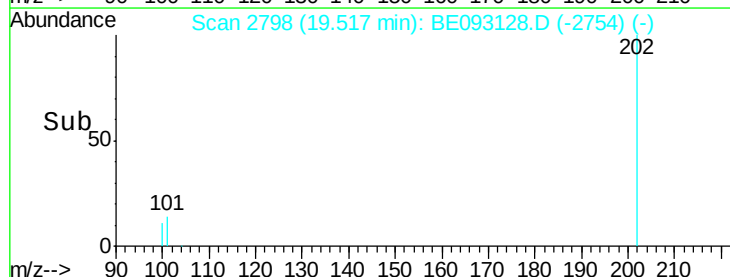
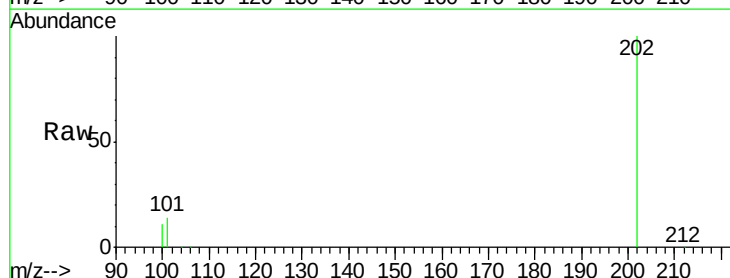
Instrument :
 BNA_E
 ClientSampleId :
 SST00.401

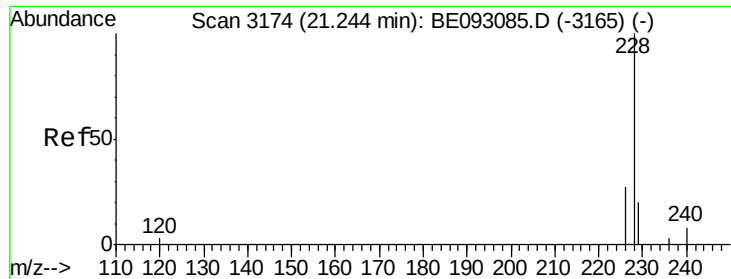
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	30.3
100	9.2	0.0	39.5



#17
Pyrene
 Concen: 0.43 ng/ul
 RT: 19.52 min Scan# 2798
 Delta R.T. -0.00 min
 Lab File: BE093128.D
 Acq: 13 Jun 2017 13:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	18.2	27.4#
100	11.5	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.45 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093128.D

Acq: 13 Jun 2017 13:23

Instrument :

BNA_E

ClientSampleId :

SSTD0.401

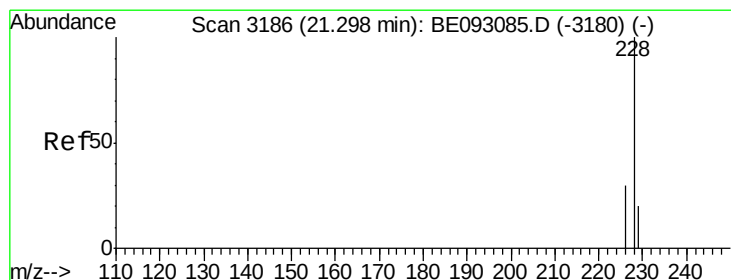
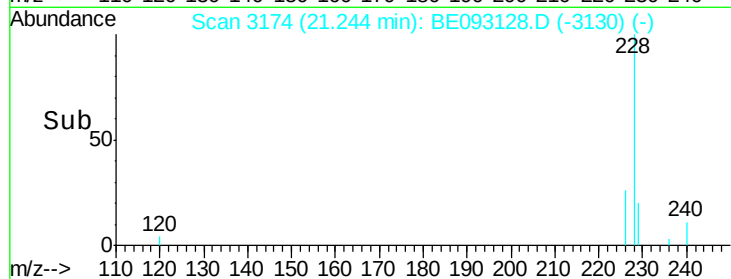
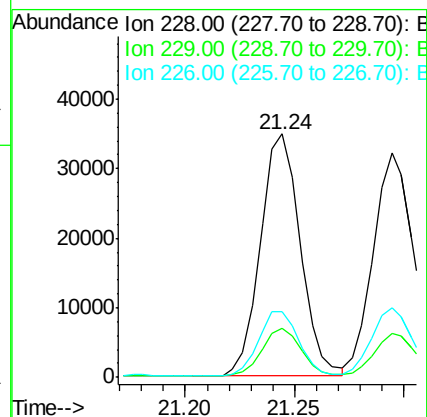
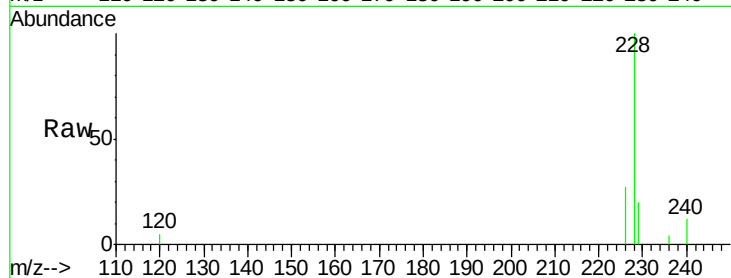
Tgt Ion:228 Resp: 44207

Ion Ratio Lower Upper

228 100

229 20.1 22.8 34.2#

226 26.8 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: BE093128.D

Acq: 13 Jun 2017 13:23

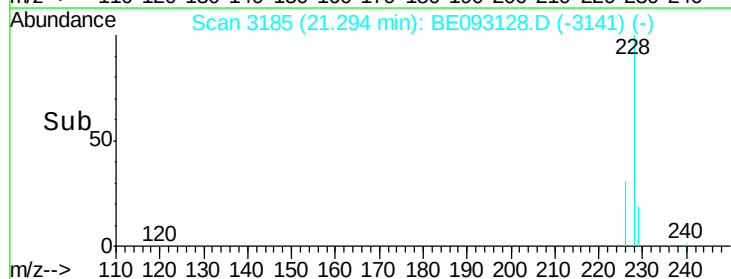
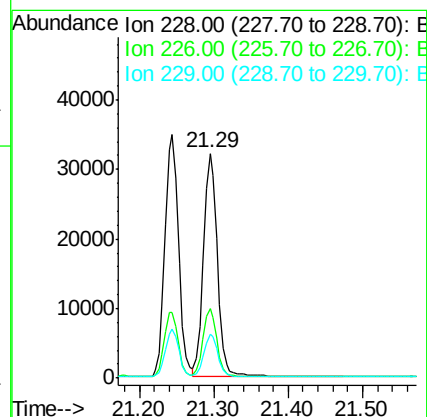
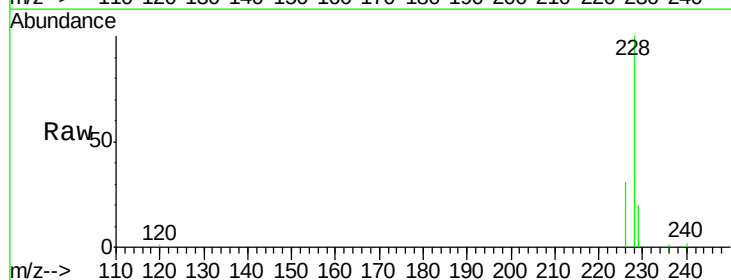
Tgt Ion:228 Resp: 42540

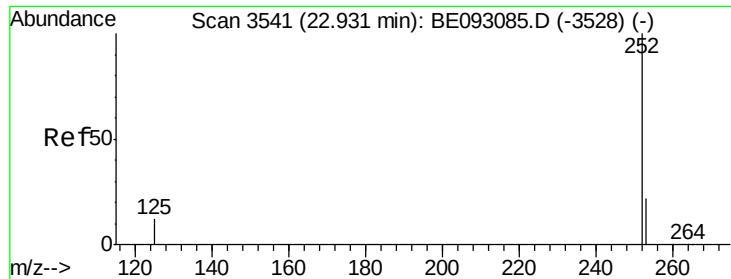
Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

229 19.8 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.42 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. -0.01 min

Lab File: BE093128.D

Acq: 13 Jun 2017 13:23

Instrument :

BNA_E

ClientSampleId :

SSTD0.401

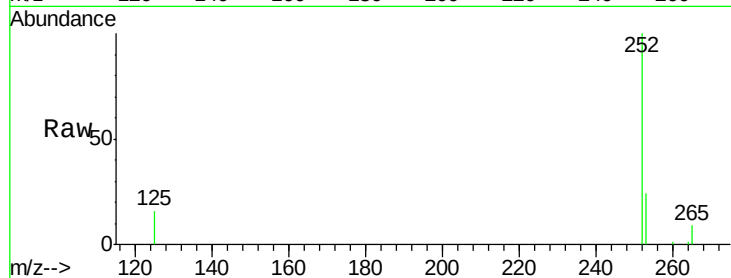
Tgt Ion:252 Resp: 40273

Ion Ratio Lower Upper

252 100

253 24.3 0.0 64.2

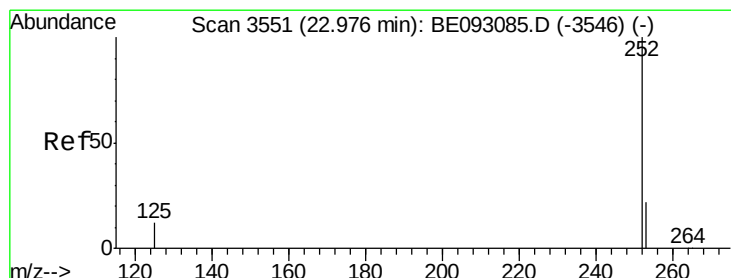
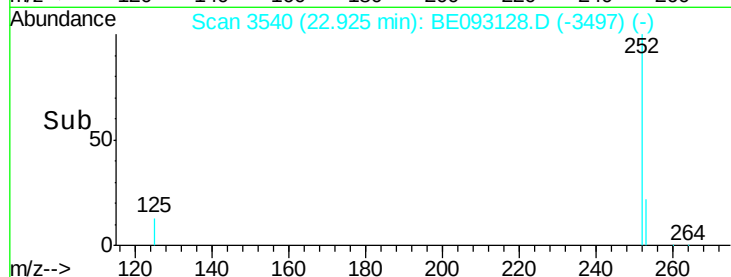
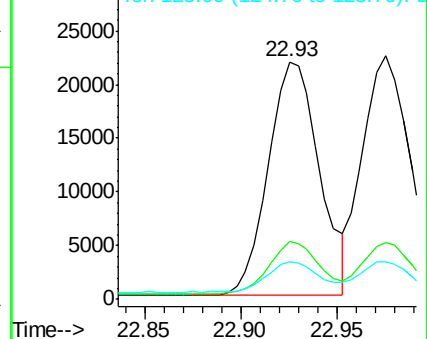
125 16.0 0.0 35.0



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: 0.39 ng/ul

RT: 22.98 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BE093128.D

Acq: 13 Jun 2017 13:23

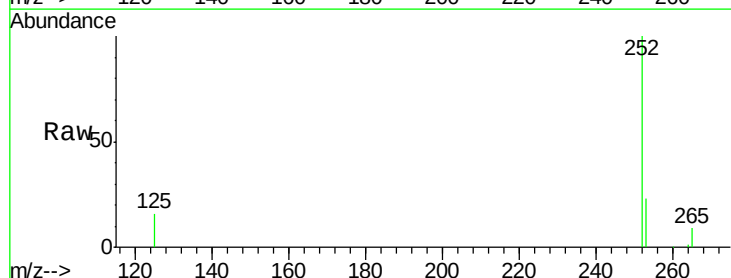
Tgt Ion:252 Resp: 39891

Ion Ratio Lower Upper

252 100

253 23.4 24.5 36.7#

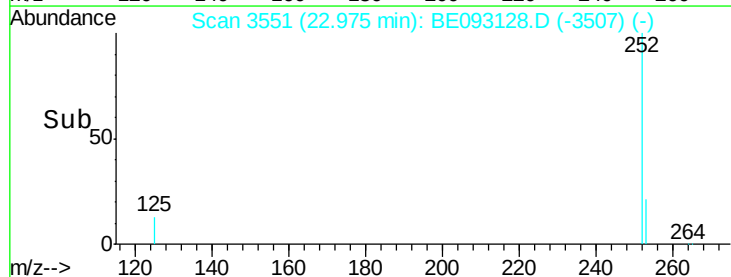
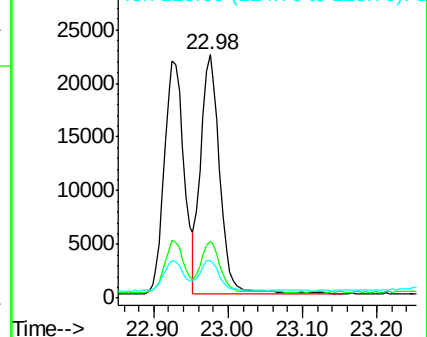
125 15.6 13.7 20.5

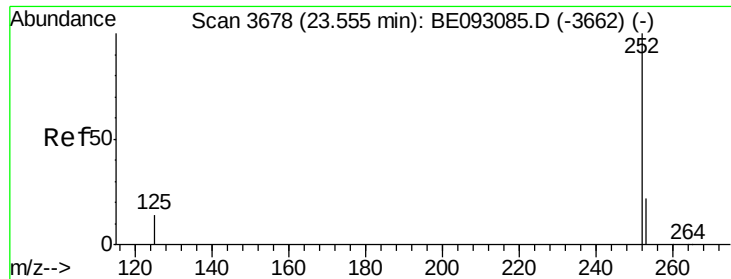


Abundance Ion 252.00 (251.70 to 252.70): E

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. -0.01 min

Lab File: BE093128.D

Acq: 13 Jun 2017 13:23

Instrument :

BNA_E

ClientSampleId :

SSTD0.401

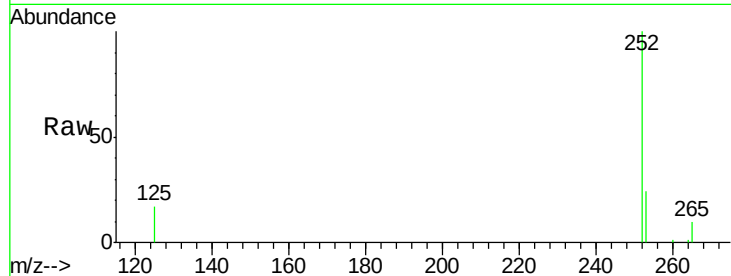
Tgt Ion:252 Resp: 38546

Ion Ratio Lower Upper

252 100

253 24.4 28.5 42.7#

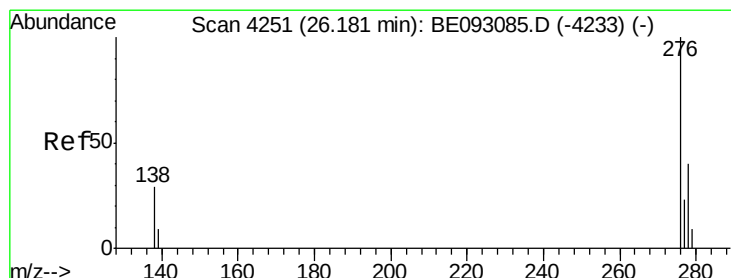
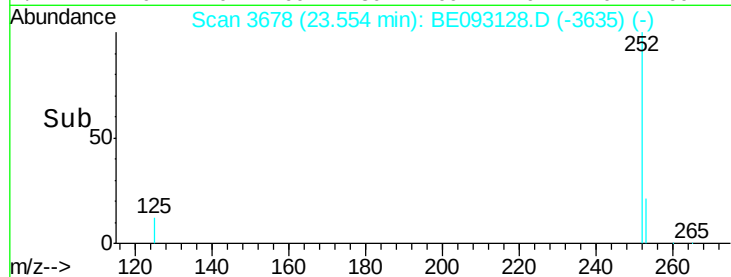
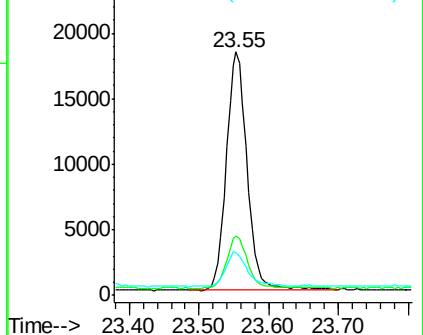
125 17.3 18.1 27.1#



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# 4252

Delta R.T. -0.01 min

Lab File: BE093128.D

Acq: 13 Jun 2017 13:23

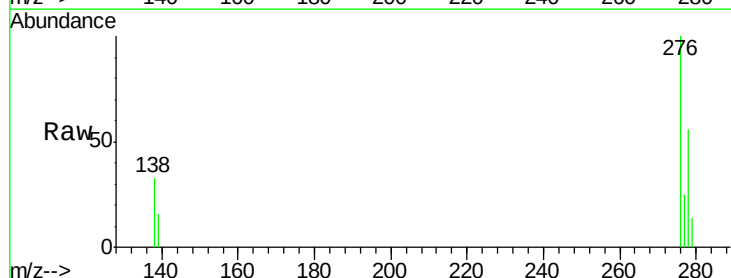
Tgt Ion:276 Resp: 42716

Ion Ratio Lower Upper

276 100

138 33.2 28.0 42.0

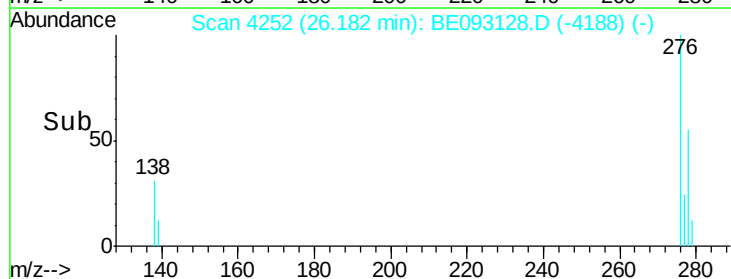
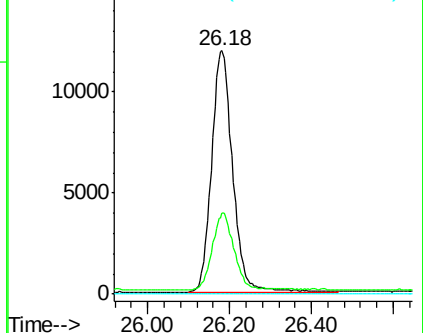
227 0.0 8.0 12.0#

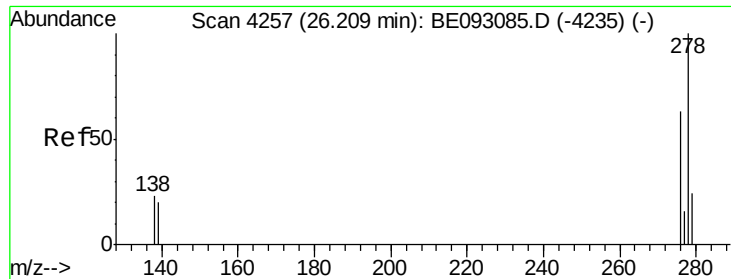


Abundance Ion 276.00 (275.70 to 276.70): E

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: 26.21 min Scan# 4257

Delta R.T. -0.01 min

Lab File: BE093128.D

Acq: 13 Jun 2017 13:23

Instrument :

BNA_E

ClientSampleId :

SSTD0.401

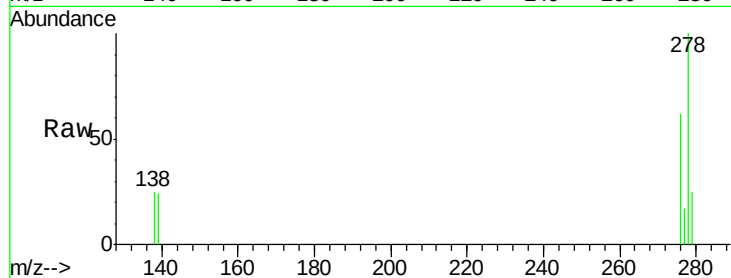
Tgt Ion:278 Resp: 35504

Ion Ratio Lower Upper

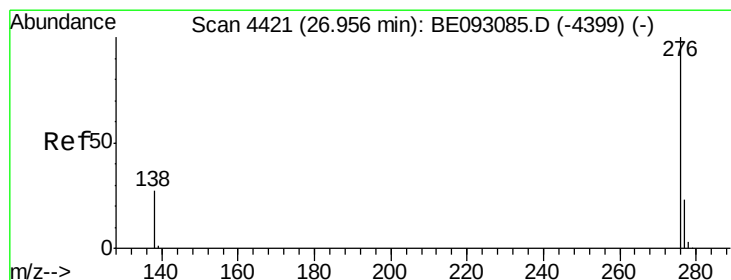
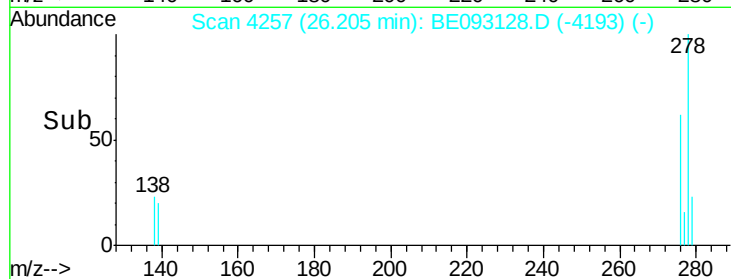
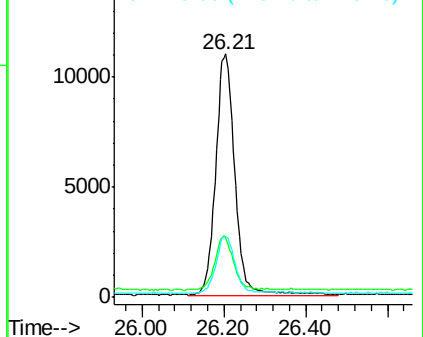
278 100

139 24.2 17.4 26.0

279 24.8 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: 0.40 ng/ul

RT: 26.95 min Scan# 4420

Delta R.T. -0.01 min

Lab File: BE093128.D

Acq: 13 Jun 2017 13:23

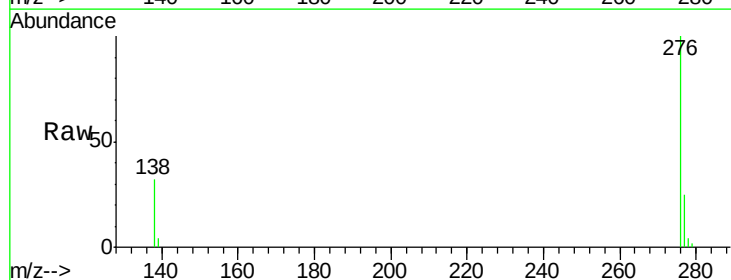
Tgt Ion:276 Resp: 35984

Ion Ratio Lower Upper

276 100

138 31.8 21.8 32.8

277 24.8 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

