

Data File : BE093196.D
Acq On : 15 Jun 2017 7:27
Operator : SJ/MA
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.406

Quant Time: Jun 15 07:57:03 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 15 03:59:13 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2524	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	13155	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	7905	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	19875	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	20336	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	17262	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	8502	0.44	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	21851	0.40	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.57	128	13477	0.41	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	9888	0.44	ng/ul	98
7) Acenaphthylene	14.09	152	15244	0.45	ng/ul	97
8) Acenaphthene	14.43	153	11280	0.41	ng/ul	98
9) Fluorene	15.42	166	12807	0.40	ng/ul	90
11) Pentachlorophenol	16.75	266	1444	0.49	ng/ul	96
12) Phenanthrene	17.14	178	22184	0.41	ng/ul#	87
13) Anthracene	17.22	178	21351	0.45	ng/ul#	88
15) Fluoranthene	19.15	202	26196	0.39	ng/ul	84
17) Pyrene	19.51	202	28037	0.47	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	24757	0.46	ng/ul#	86
19) Chrysene	21.30	228	23110	0.41	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	22570	0.43	ng/ul	90
22) Benzo(k)fluoranthene	22.98	252	21369	0.38	ng/ul#	91
23) Benzo(a)pyrene	23.56	252	21135	0.43	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.19	276	23781	0.41	ng/ul#	92
25) Dibenzo(a,h)anthracene	26.20	278	19730	0.41	ng/ul#	90
26) Benzo(g,h,i)perylene	26.96	276	19962	0.41	ng/ul	95

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

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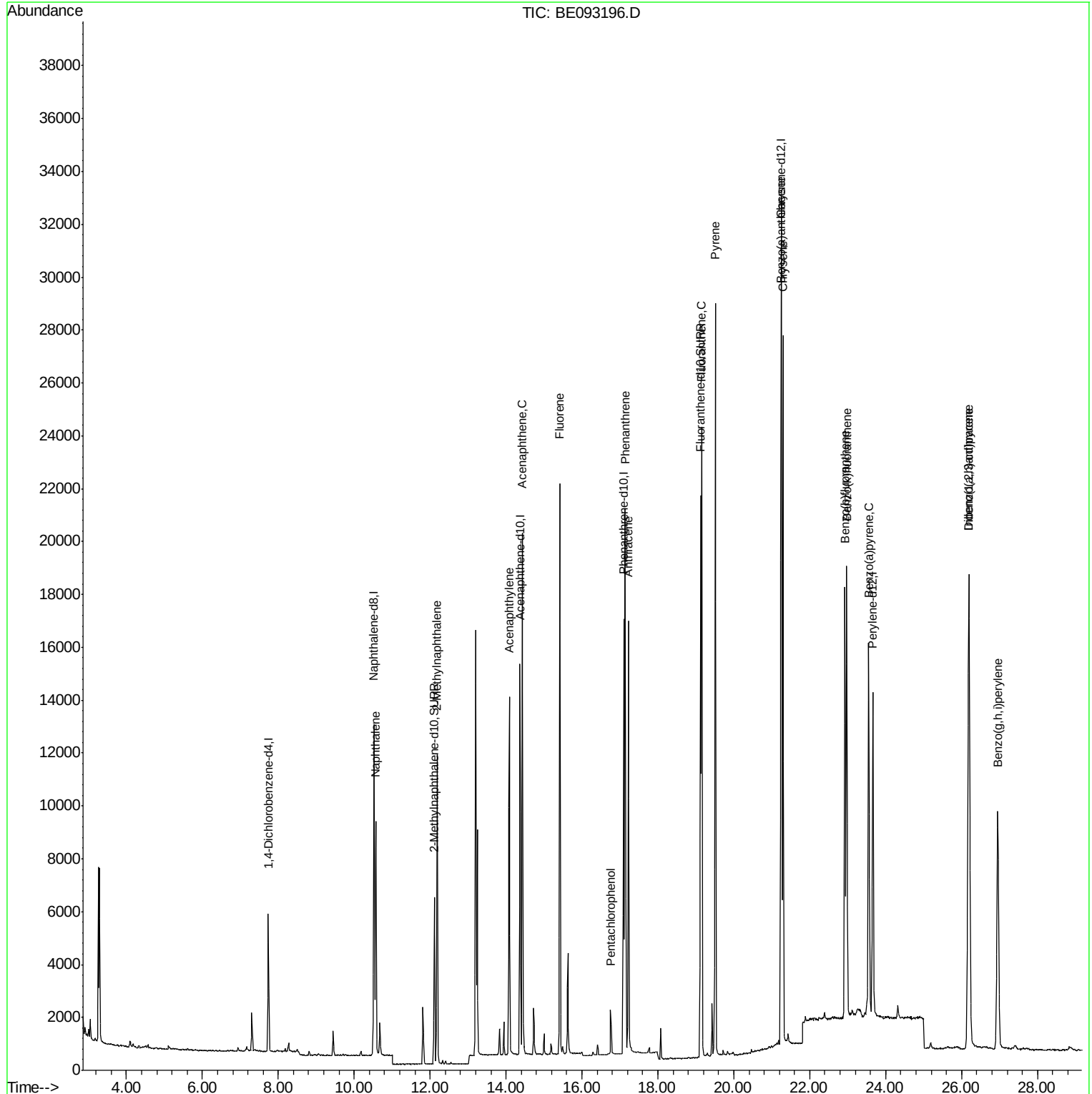
Quant Time: Jun 15 07:57:03 2017

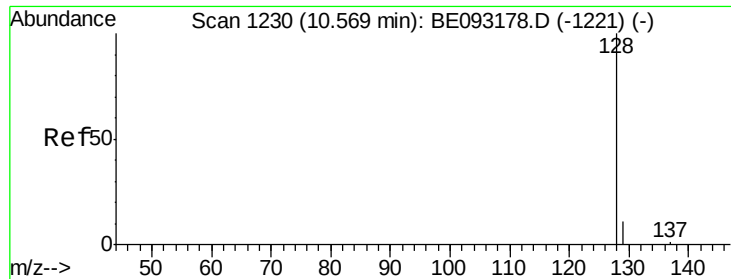
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 15 03:59:13 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BE093196.D

Acq: 15 Jun 2017 7:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.406

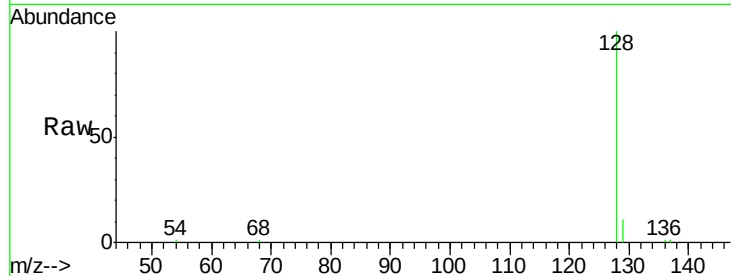
Tgt Ion:128 Resp: 13477

Ion Ratio Lower Upper

128 100

129 11.2 11.3 16.9#

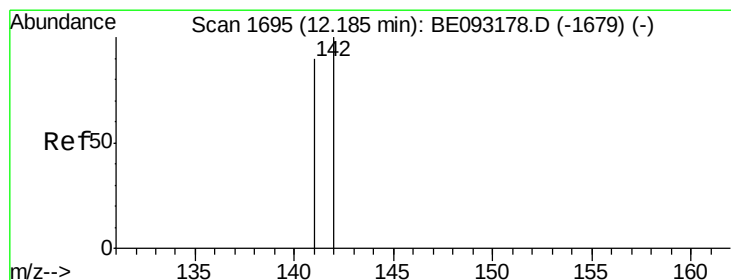
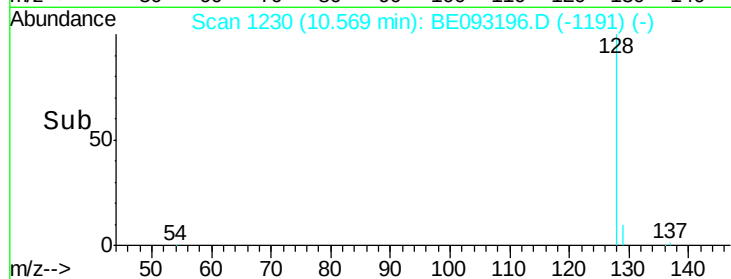
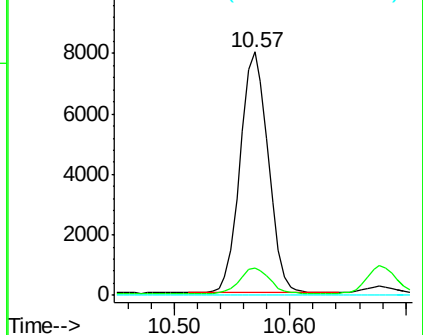
127 0.0 4.0 6.0#



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# 1695

Delta R.T. -0.00 min

Lab File: BE093196.D

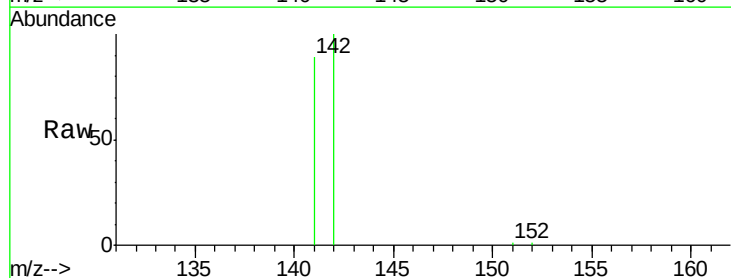
Acq: 15 Jun 2017 7:27

Tgt Ion:142 Resp: 9888

Ion Ratio Lower Upper

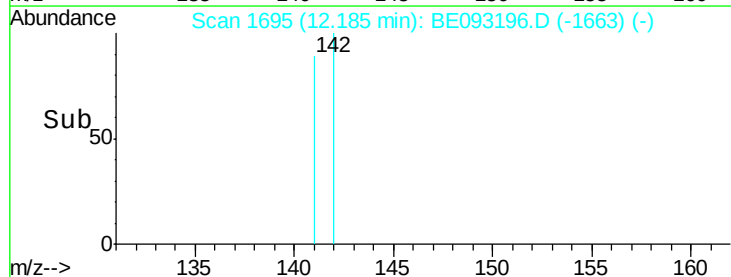
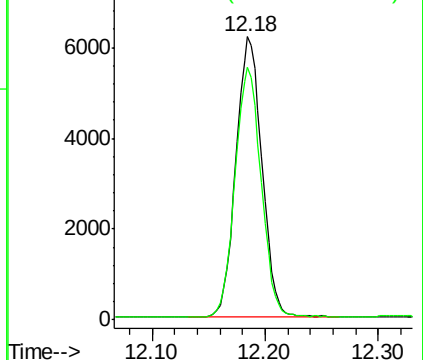
142 100

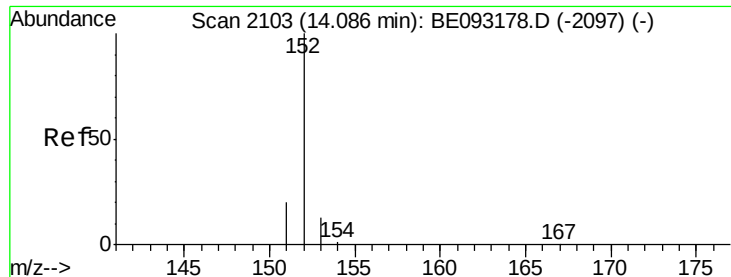
141 88.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.45 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093196.D

Acq: 15 Jun 2017 7:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.406

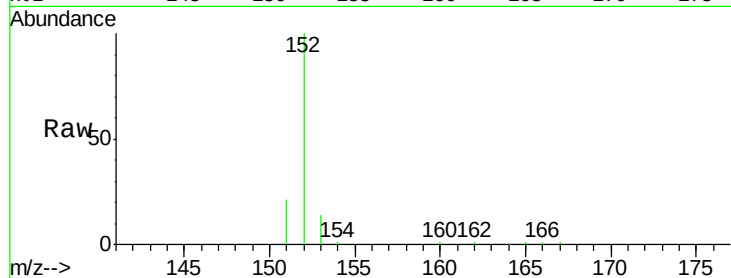
Tgt Ion:152 Resp: 15244

Ion Ratio Lower Upper

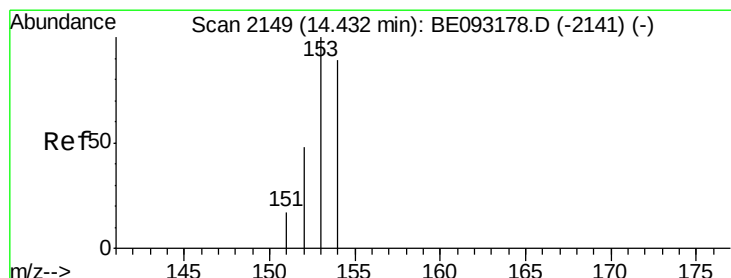
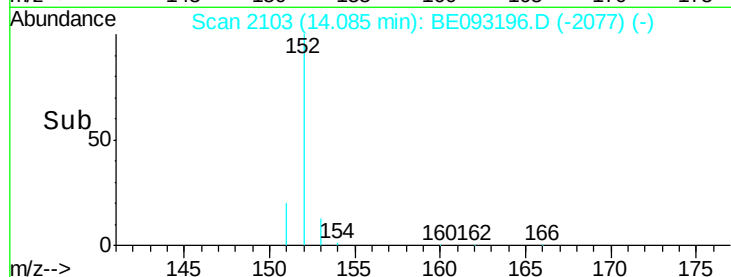
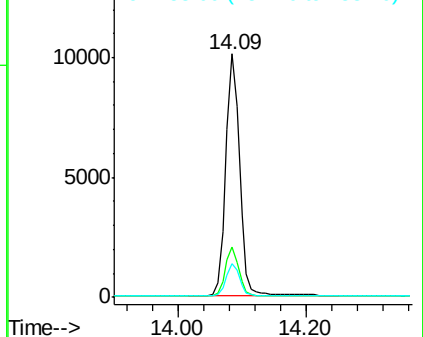
152 100

151 20.7 17.1 25.7

153 13.8 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: BE093196.D

Acq: 15 Jun 2017 7:27

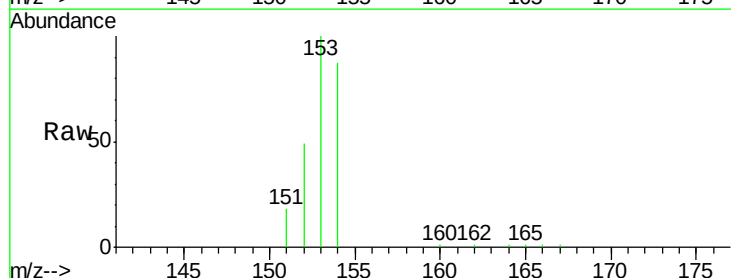
Tgt Ion:153 Resp: 11280

Ion Ratio Lower Upper

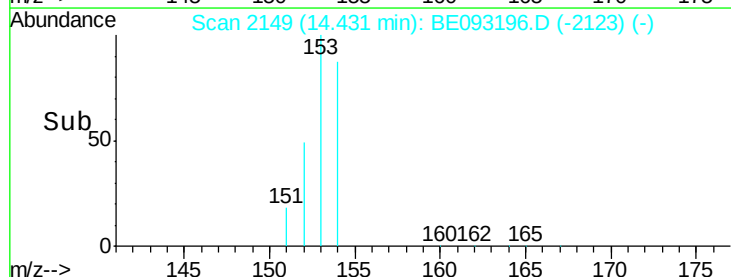
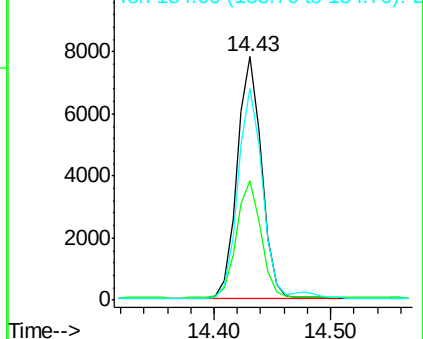
153 100

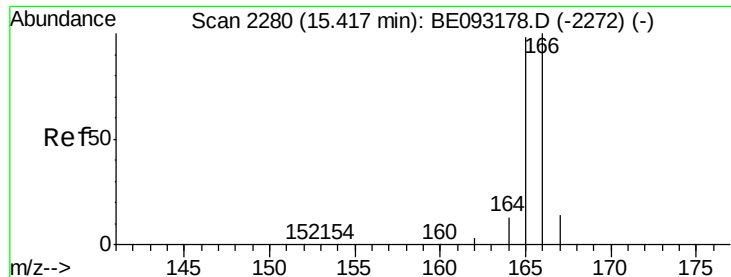
152 49.3 40.3 60.5

154 87.0 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: BE093196.D

Acq: 15 Jun 2017 7:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.406

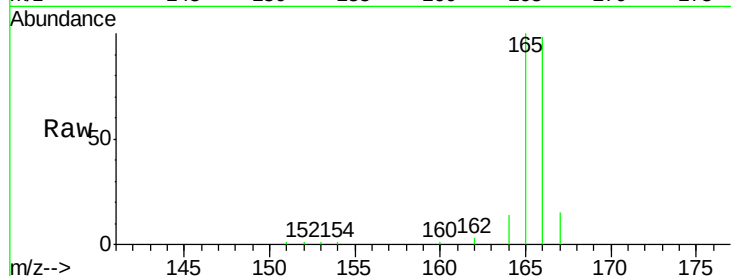
Tgt Ion:166 Resp: 12807

Ion Ratio Lower Upper

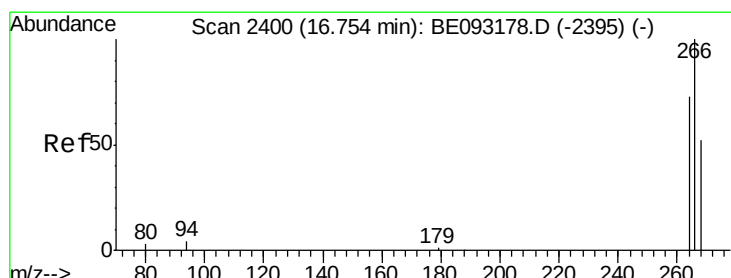
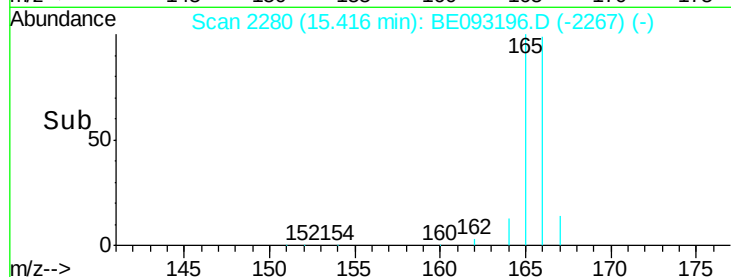
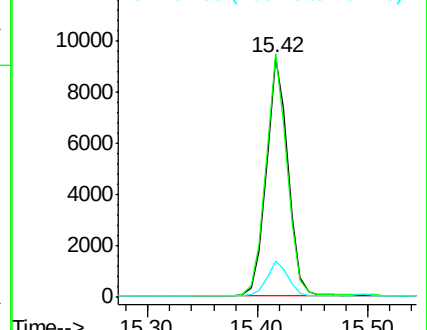
166 100

165 101.6 73.4 110.2

167 14.9 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: 0.49 ng/ul

RT: 16.75 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BE093196.D

Acq: 15 Jun 2017 7:27

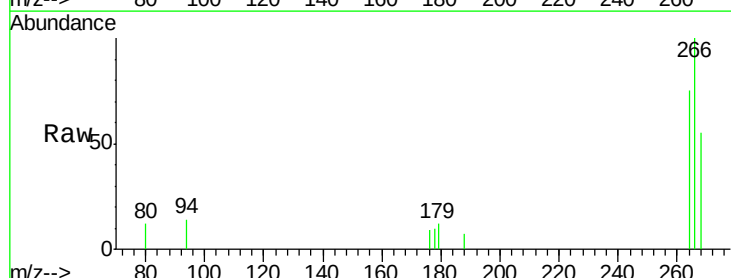
Tgt Ion:266 Resp: 1444

Ion Ratio Lower Upper

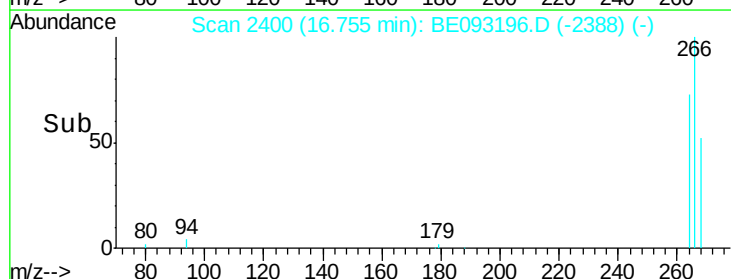
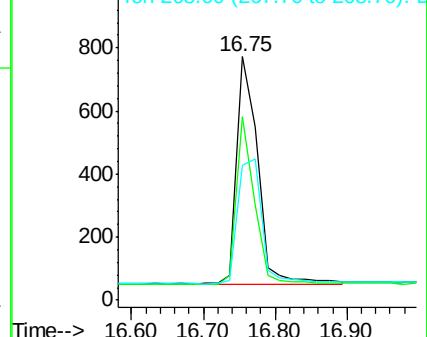
266 100

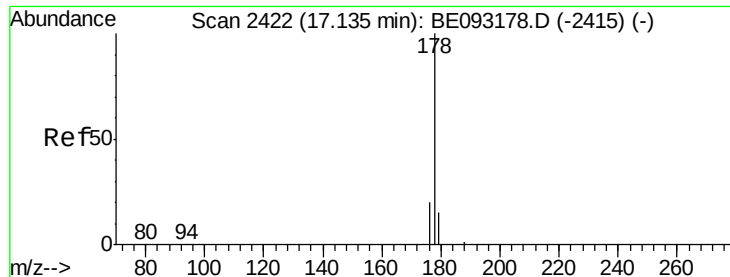
264 64.6 47.9 71.9

268 63.8 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: 0.41 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093196.D

Acq: 15 Jun 2017 7:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.406

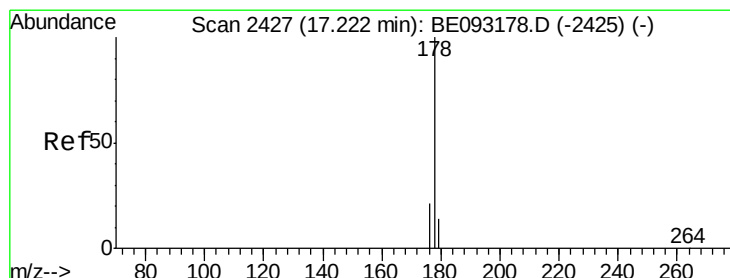
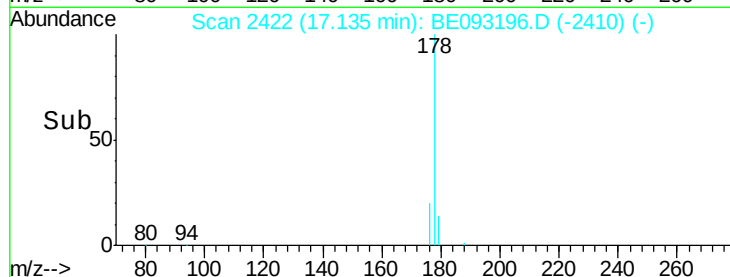
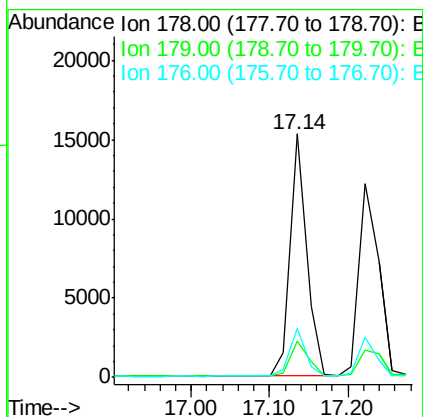
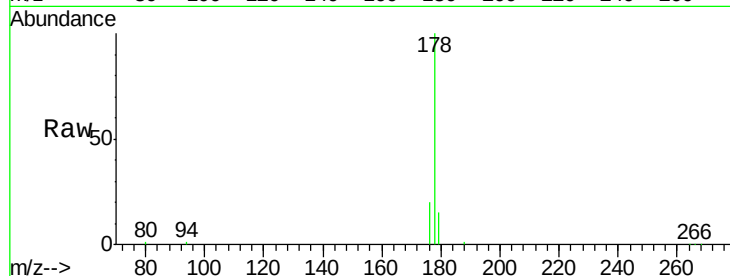
Tgt Ion:178 Resp: 22184

Ion Ratio Lower Upper

178 100

179 14.6 18.4 27.6#

176 20.3 13.6 20.4



#13

Anthracene

Concen: 0.45 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093196.D

Acq: 15 Jun 2017 7:27

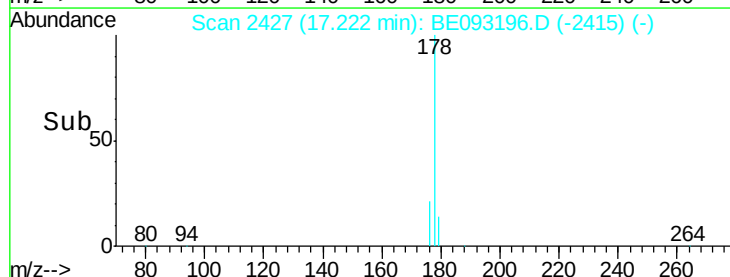
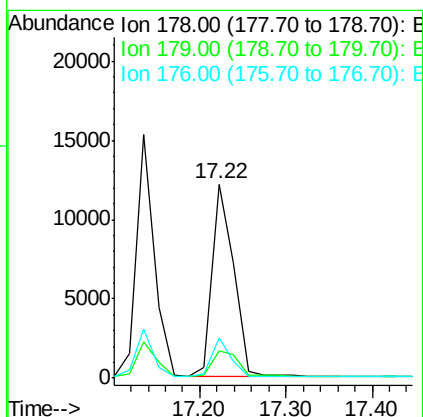
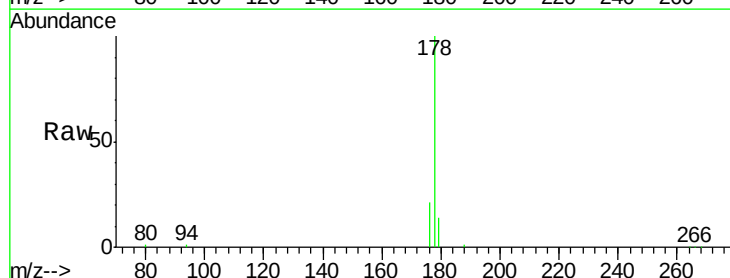
Tgt Ion:178 Resp: 21351

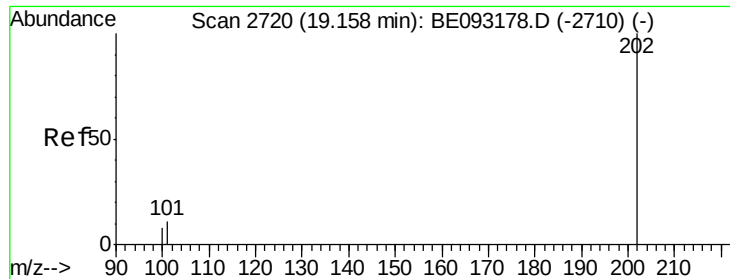
Ion Ratio Lower Upper

178 100

179 14.3 18.1 27.1#

176 21.0 14.7 22.1





#15

Fluoranthene

Concen: 0.39 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BE093196.D

Acq: 15 Jun 2017 7:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.406

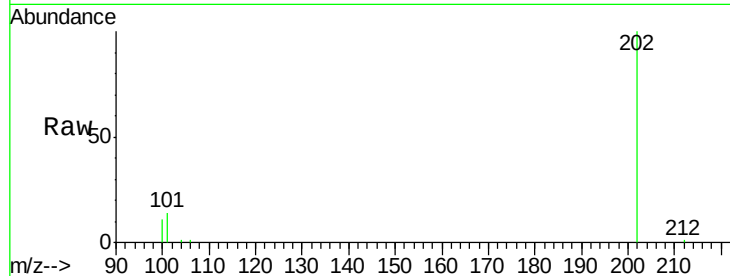
Tgt Ion:202 Resp: 26196

Ion Ratio Lower Upper

202 100

101 14.0 0.0 30.3

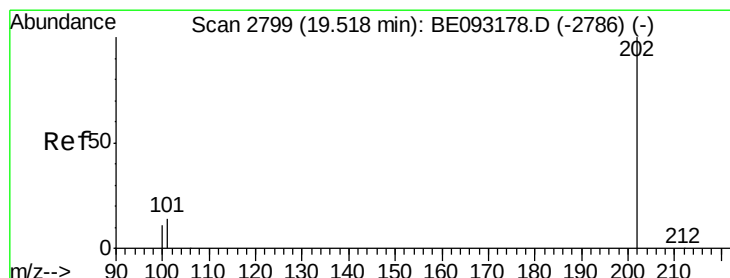
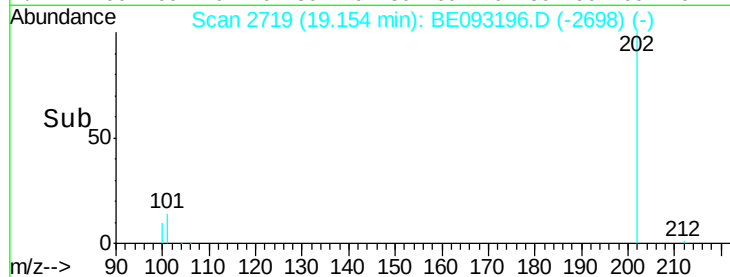
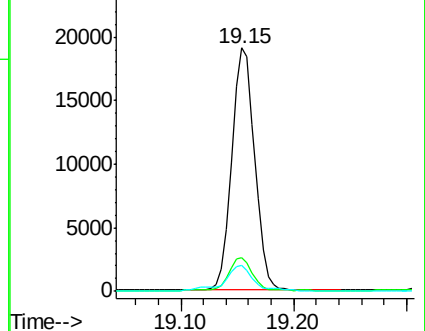
100 10.7 0.0 39.5



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: 0.47 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BE093196.D

Acq: 15 Jun 2017 7:27

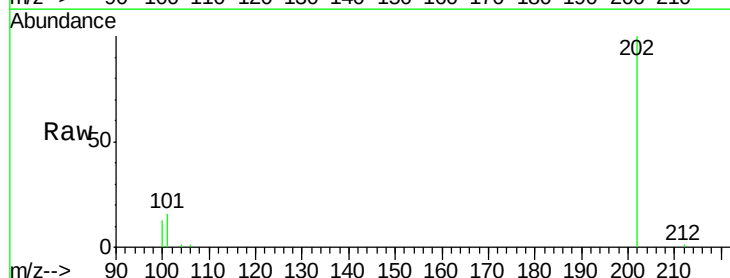
Tgt Ion:202 Resp: 28037

Ion Ratio Lower Upper

202 100

101 15.8 18.2 27.4#

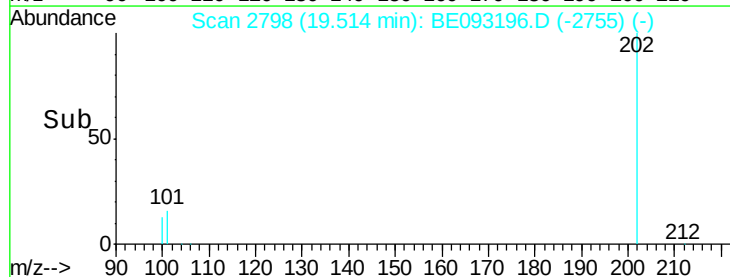
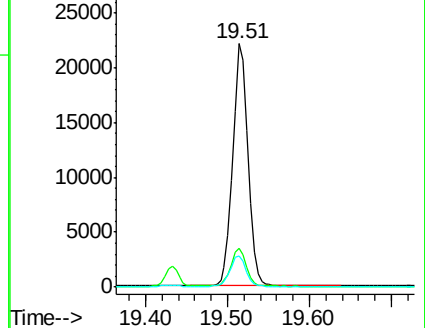
100 13.0 15.6 23.4#

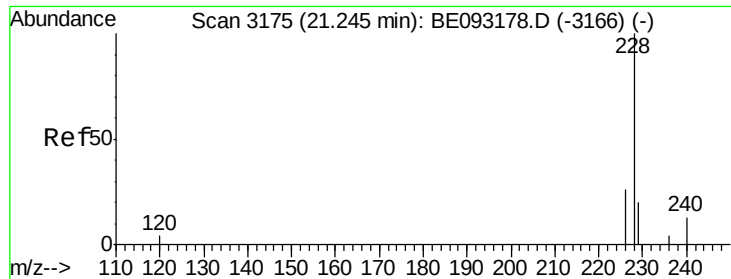


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.46 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093196.D

Acq: 15 Jun 2017 7:27

Instrument :

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ClientSampleId :

SSTD0.406

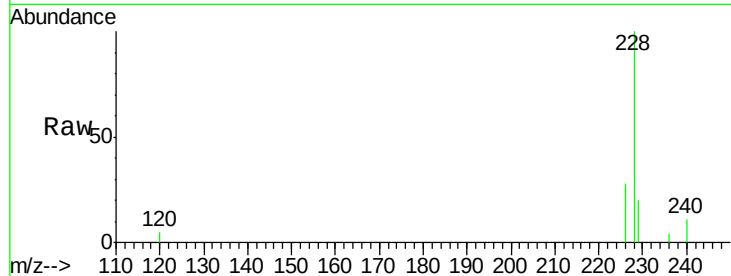
Tgt Ion:228 Resp: 24757

Ion Ratio Lower Upper

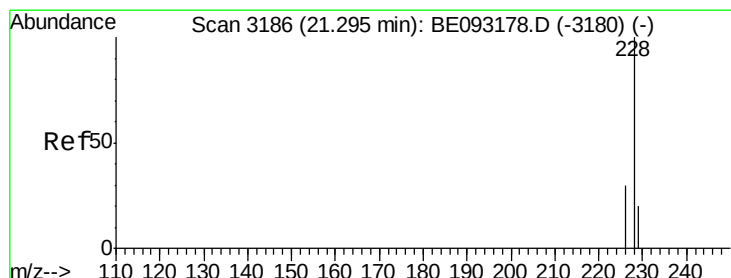
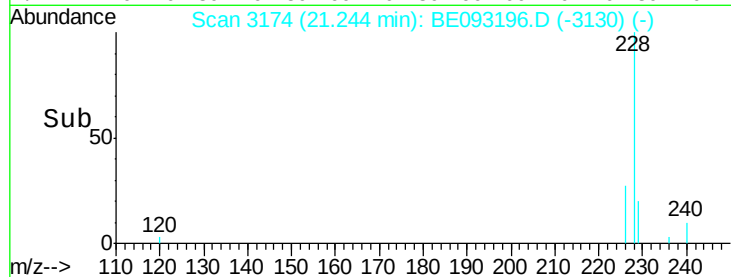
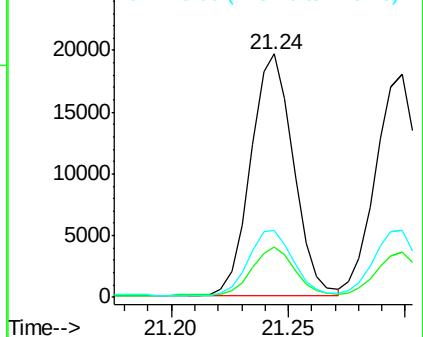
228 100

229 20.5 22.8 34.2#

226 27.7 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: 0.41 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093196.D

Acq: 15 Jun 2017 7:27

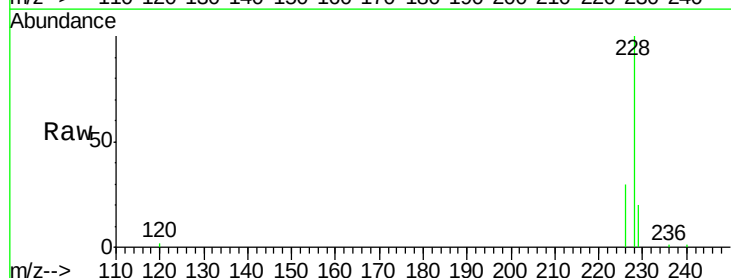
Tgt Ion:228 Resp: 23110

Ion Ratio Lower Upper

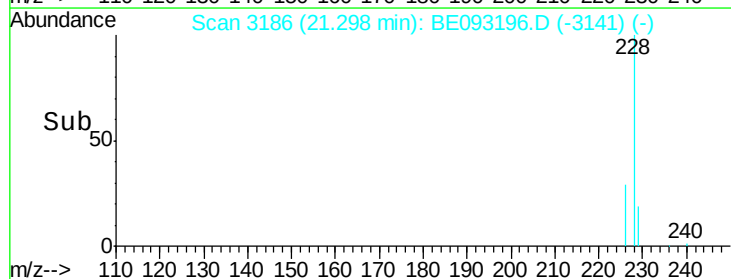
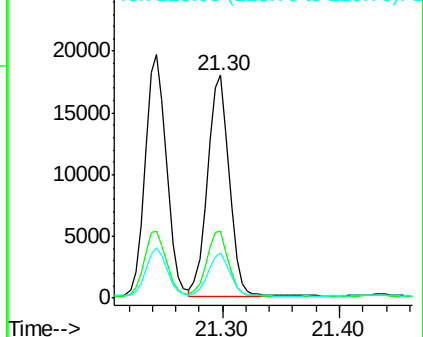
228 100

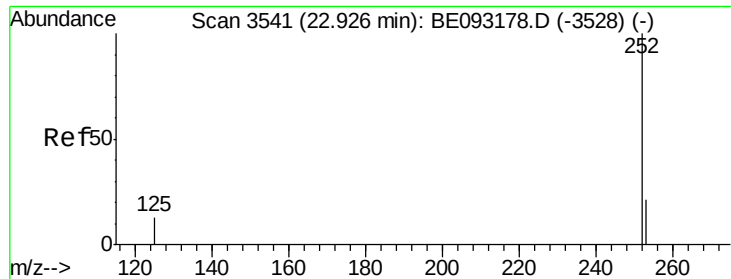
226 30.1 23.4 35.0

229 20.1 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: 0.43 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093196.D

Acq: 15 Jun 2017 7:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.406

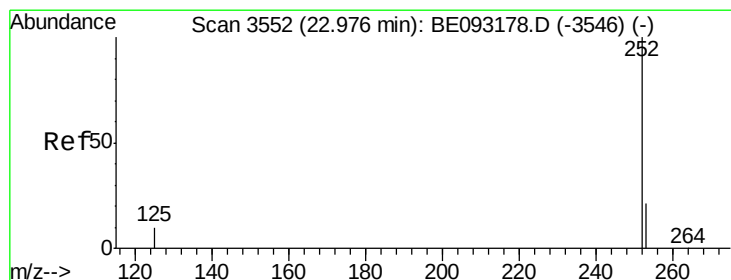
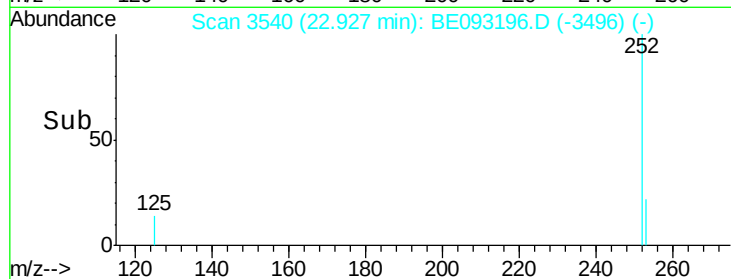
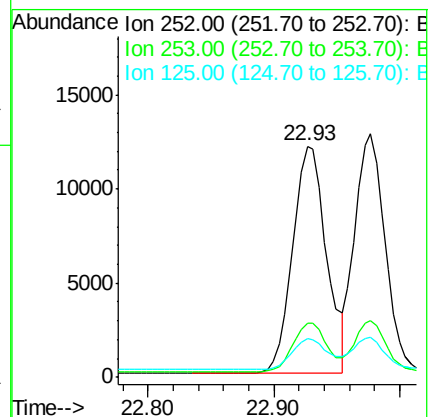
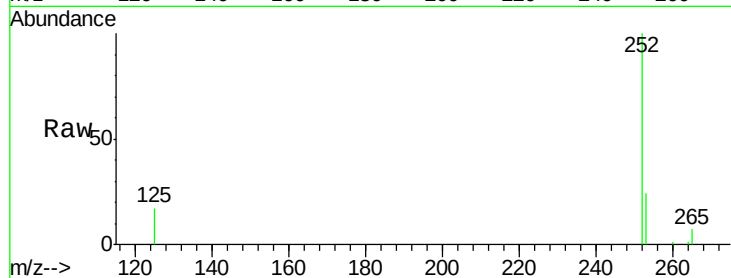
Tgt Ion:252 Resp: 22570

Ion Ratio Lower Upper

252 100

253 23.6 0.0 64.2

125 17.0 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 0.38 ng/ul

RT: 22.98 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE093196.D

Acq: 15 Jun 2017 7:27

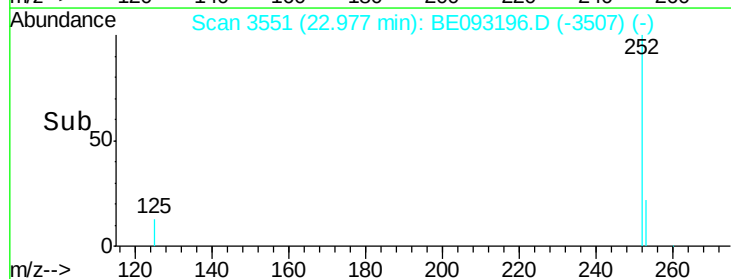
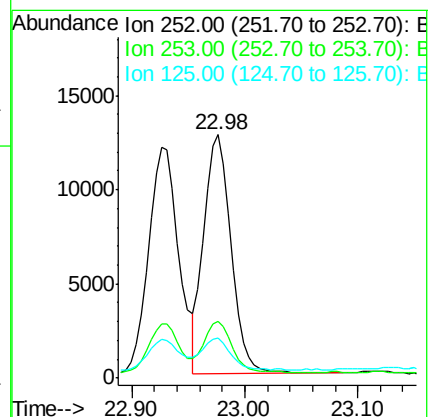
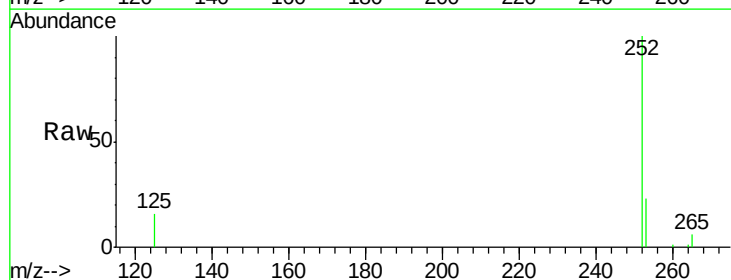
Tgt Ion:252 Resp: 21369

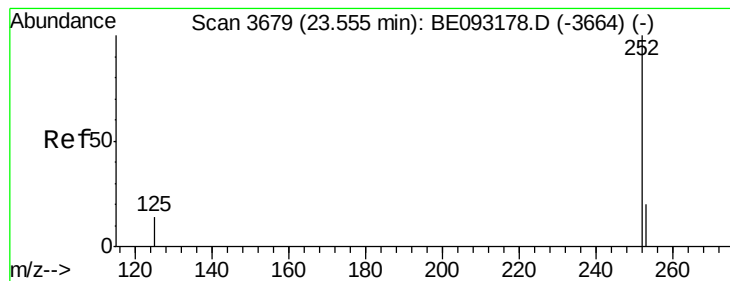
Ion Ratio Lower Upper

252 100

253 23.4 24.5 36.7#

125 16.2 13.7 20.5





#23

Benzo(a)pyrene

Concen: 0.43 ng/ul

RT: 23.56 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BE093196.D

Acq: 15 Jun 2017 7:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.406

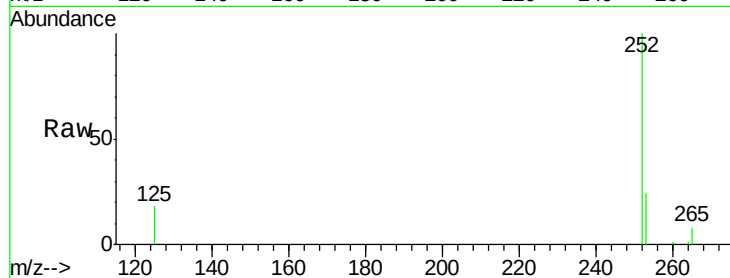
Tgt Ion:252 Resp: 21135

Ion Ratio Lower Upper

252 100

253 24.2 28.5 42.7#

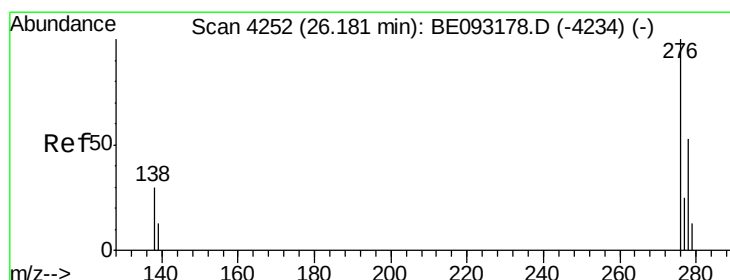
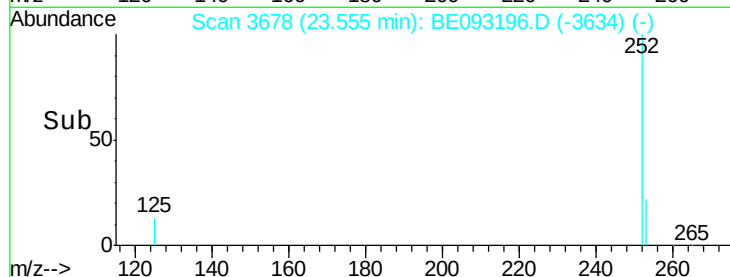
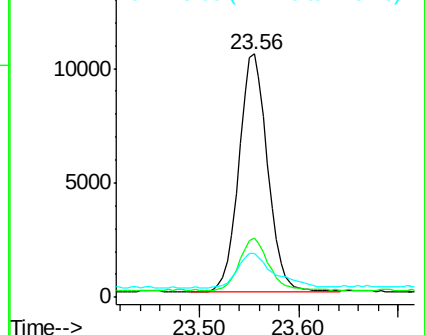
125 17.8 18.1 27.1#



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: 0.41 ng/ul

RT: 26.19 min Scan# 4252

Delta R.T. 0.00 min

Lab File: BE093196.D

Acq: 15 Jun 2017 7:27

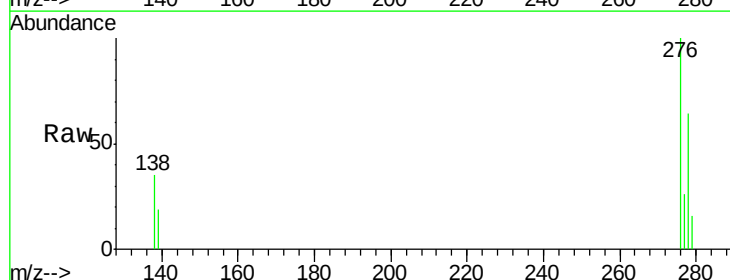
Tgt Ion:276 Resp: 23781

Ion Ratio Lower Upper

276 100

138 33.6 28.0 42.0

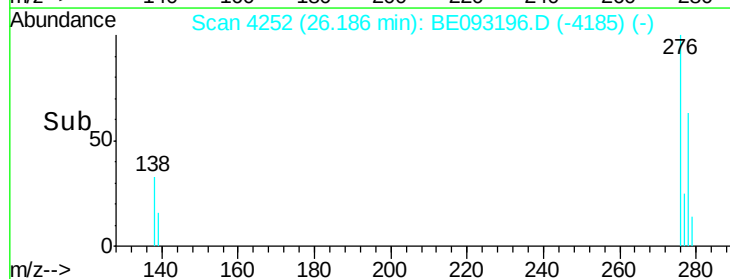
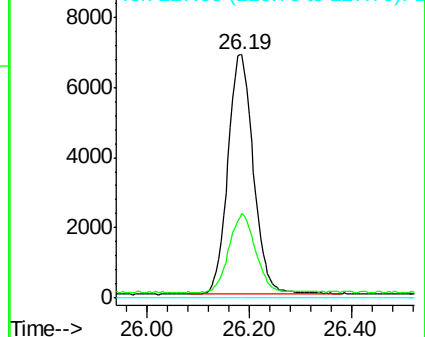
227 0.0 8.0 12.0#

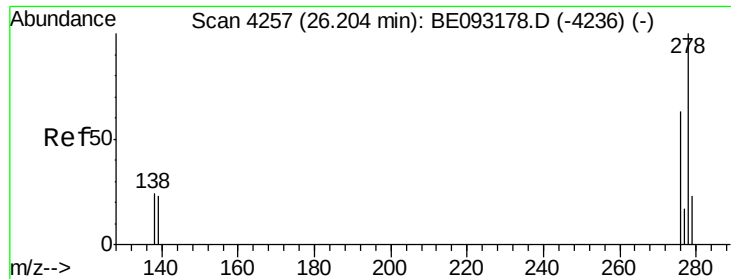


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

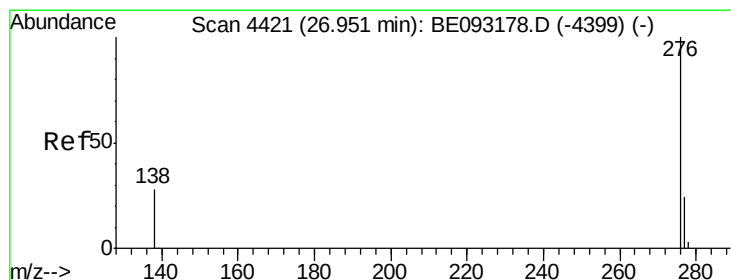
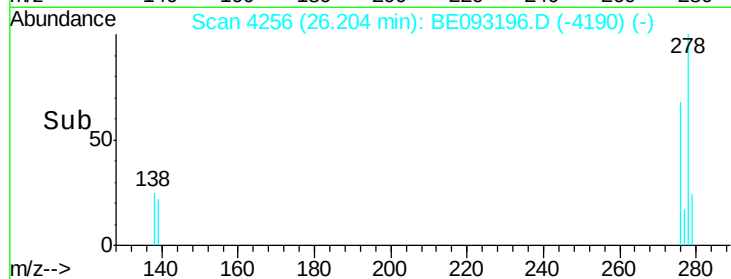
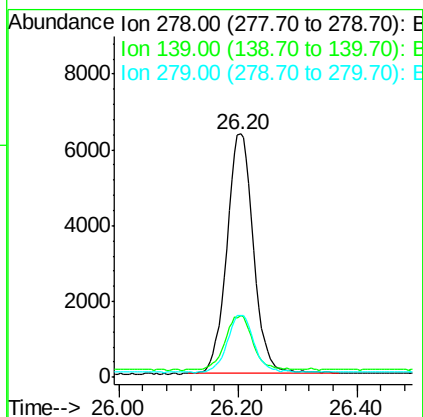
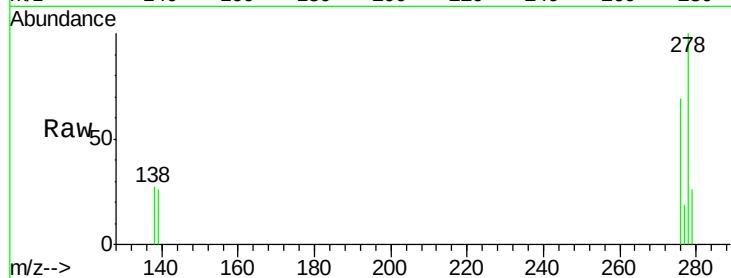




#25
Dibenzo(a,h)anthracene
Concen: 0.41 ng/ul
RT: 26.20 min Scan# 4256
Delta R.T. 0.00 min
Lab File: BE093196.D
Acq: 15 Jun 2017 7:27

Instrument :
BNA_E
ClientSampleId :
SSTD0.406

Tgt Ion:278 Resp: 19730
Ion Ratio Lower Upper
278 100
139 25.5 17.4 26.0
279 25.6 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.41 ng/ul
RT: 26.96 min Scan# 4421
Delta R.T. 0.00 min
Lab File: BE093196.D
Acq: 15 Jun 2017 7:27

Tgt Ion:276 Resp: 19962
Ion Ratio Lower Upper
276 100
138 30.7 21.8 32.8
277 24.4 20.5 30.7

