

Data Path : Z:\HPCHEM1\BNA E\Data\BE061517\
 Data File : BE093207.D
 Acq On : 15 Jun 2017 14:21
 Operator : SJ/MA
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.408

Quant Time: Jun 16 04:36:18 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 07:58:47 2017
 Response via : Initial Calibration

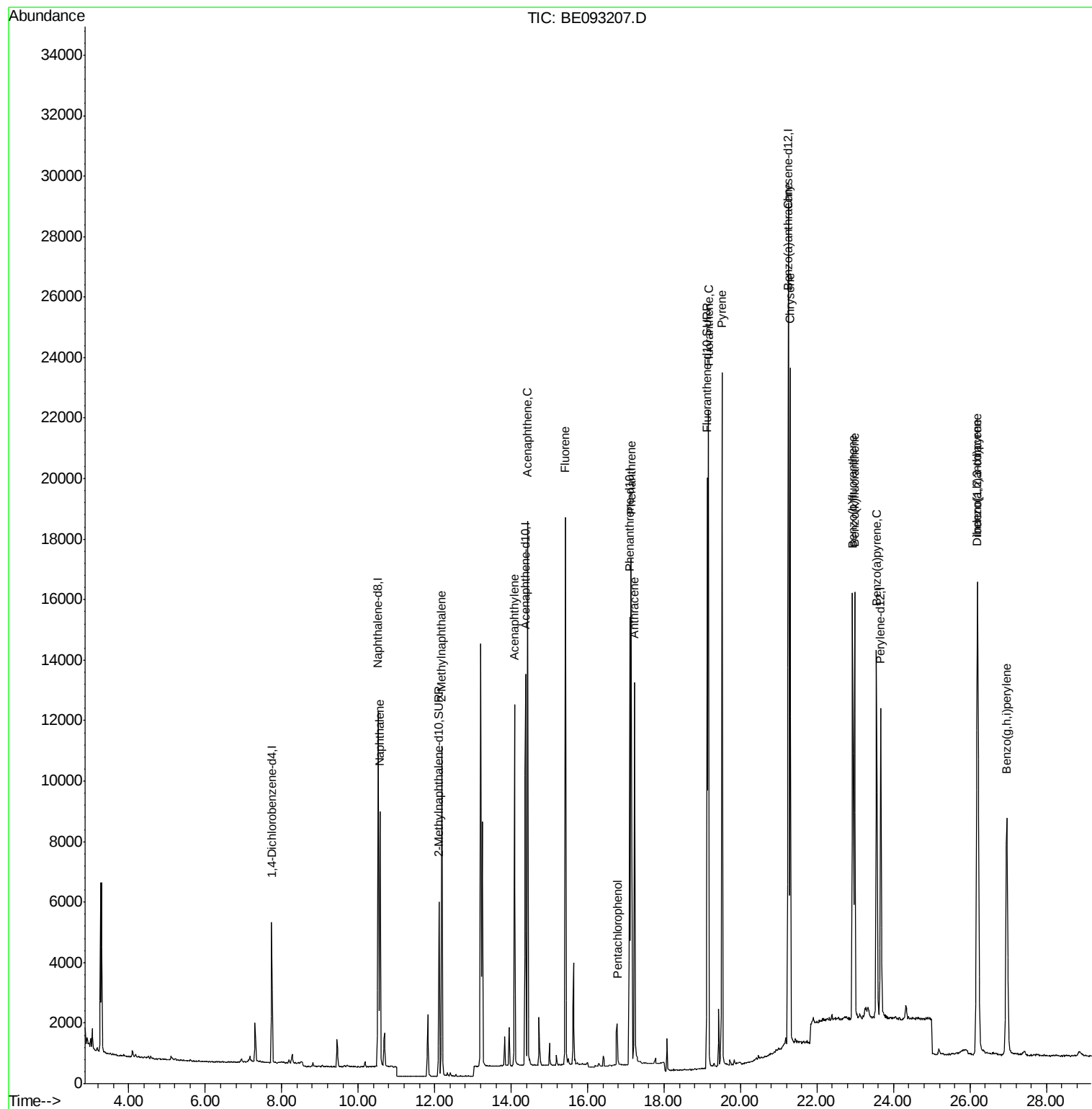
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2259	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	12189	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	7221	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	17334	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	17518	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	14850	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	7966	0.45	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	19202	0.41	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.57	128	12491	0.41	ng/ul#	91
5) 2-Methylnaphthalene	12.19	142	9184	0.44	ng/ul	99
7) Acenaphthylene	14.08	152	14265	0.46	ng/ul	96
8) Acenaphthene	14.43	153	10293	0.41	ng/ul	98
9) Fluorene	15.42	166	11602	0.40	ng/ul	96
11) Pentachlorophenol	16.77	266	1302	0.51	ng/ul	98
12) Phenanthrene	17.14	178	19360	0.41	ng/ul#	86
13) Anthracene	17.22	178	19143	0.46	ng/ul#	87
15) Fluoranthene	19.16	202	23327	0.40	ng/ul	83
17) Pyrene	19.52	202	24687	0.48	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	21473	0.46	ng/ul#	85
19) Chrysene	21.30	228	19830	0.41	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	19103	0.42	ng/ul	91
22) Benzo(k)fluoranthene	22.98	252	18193	0.38	ng/ul#	92
23) Benzo(a)pyrene	23.56	252	18190	0.43	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.19	276	20630	0.42	ng/ul#	92
25) Dibenzo(a,h)anthracene	26.21	278	17133	0.41	ng/ul#	90
26) Benzo(g,h,i)perylene	26.97	276	17152	0.41	ng/ul	96

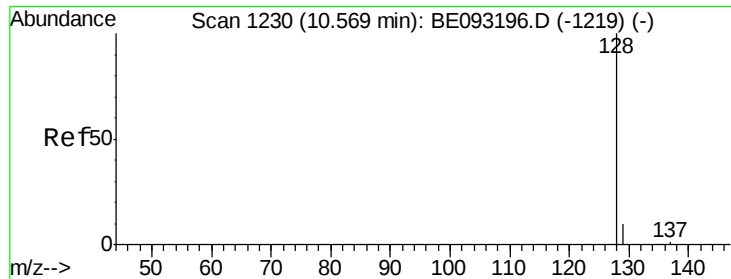
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BE093207.D

Acq: 15 Jun 2017 14:21

Instrument :

BNA_E

ClientSampleId :

SSTD0.408

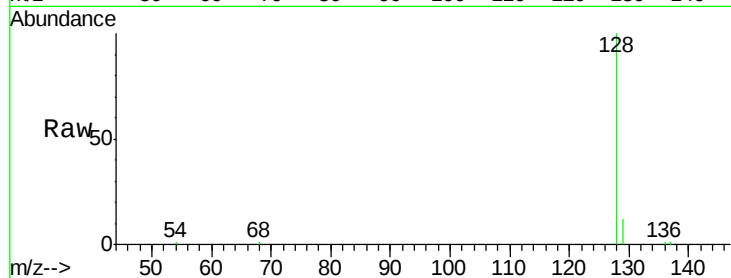
Tot Ion:128 Resp: 12491

Ion Ratio Lower Upper

128 100

129 11.5 11.3 16.9

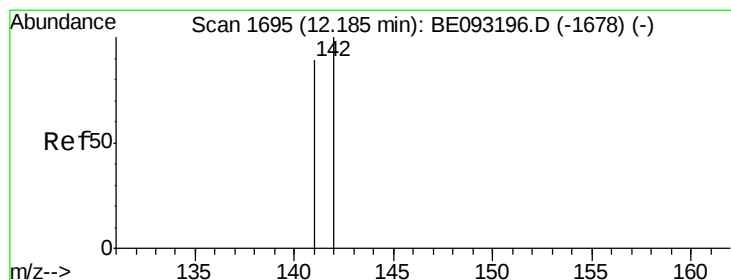
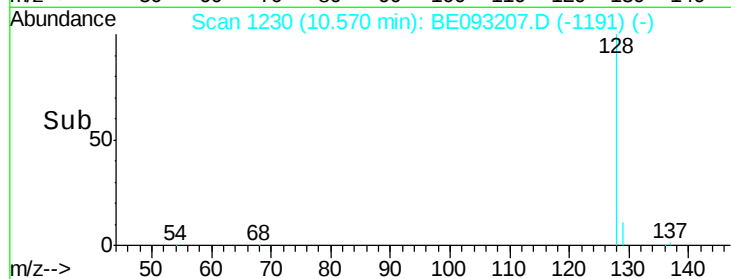
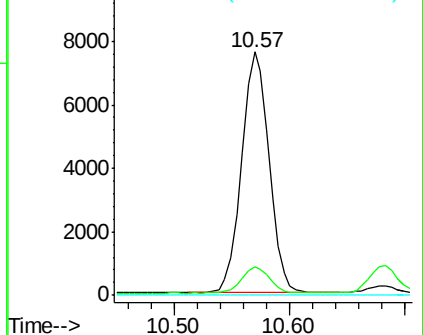
127 0.0 4.0 6.0#



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: 12.19 min Scan# 1696

Delta R.T. 0.00 min

Lab File: BE093207.D

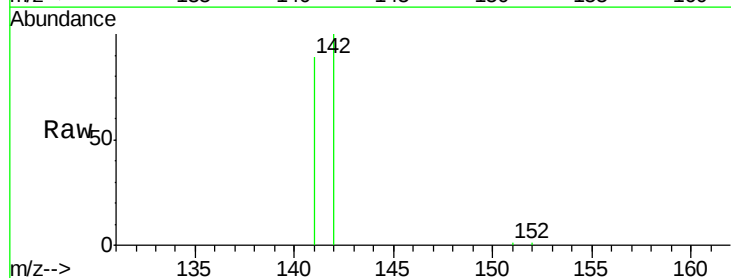
Acq: 15 Jun 2017 14:21

Tgt Ion:142 Resp: 9184

Ion Ratio Lower Upper

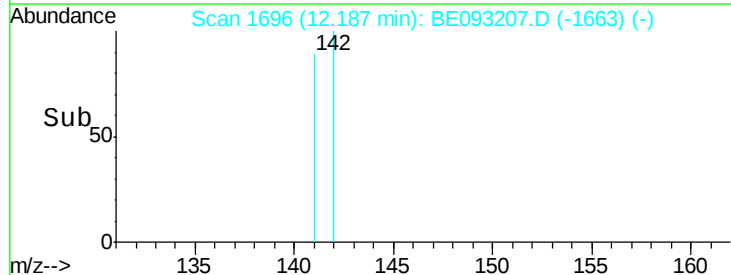
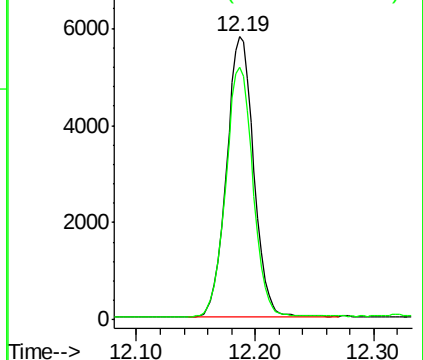
142 100

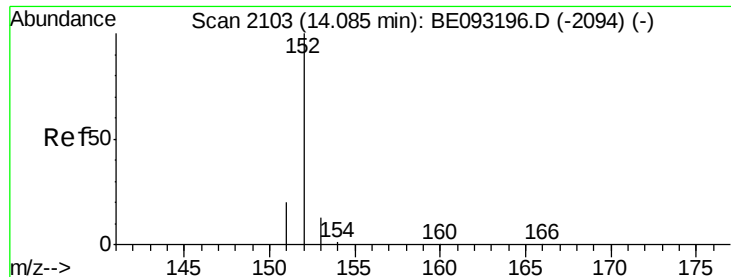
141 89.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.46 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093207.D

Acq: 15 Jun 2017 14:21

Instrument :

BNA_E

ClientSampleId :

SSTD0.408

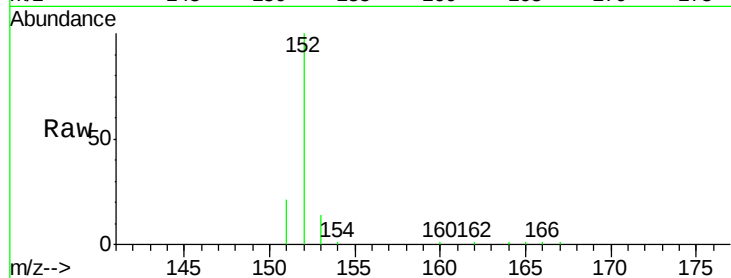
Tot Ion:152 Resp: 14265

Ion Ratio Lower Upper

152 100

151 20.5 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

12000

10000

8000

6000

4000

2000

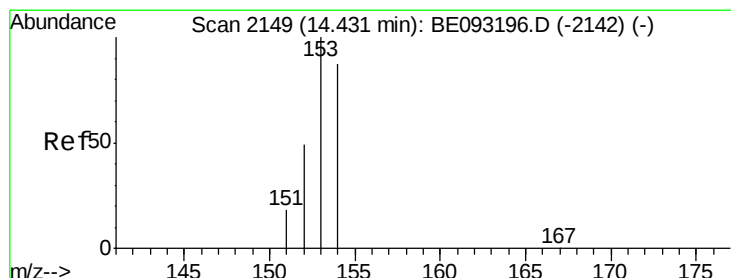
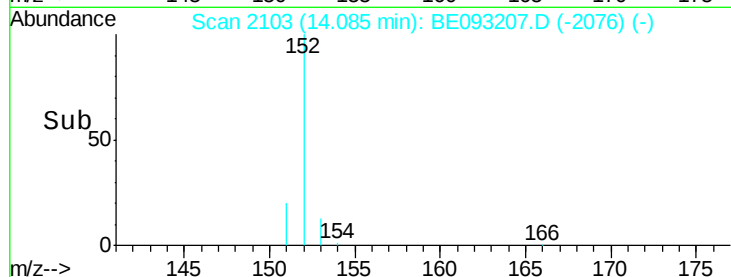
0

14.08

14.00

14.20

Time-->



#8

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BE093207.D

Acq: 15 Jun 2017 14:21

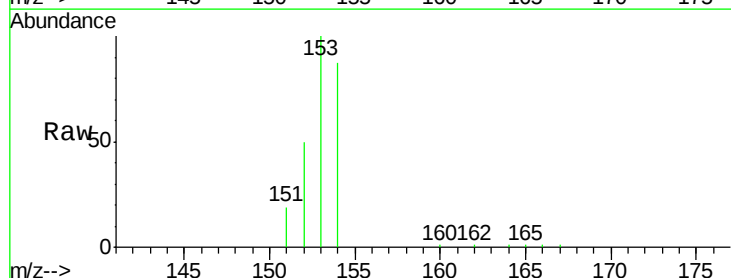
Tgt Ion:153 Resp: 10293

Ion Ratio Lower Upper

153 100

152 49.8 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

8000

6000

4000

2000

0

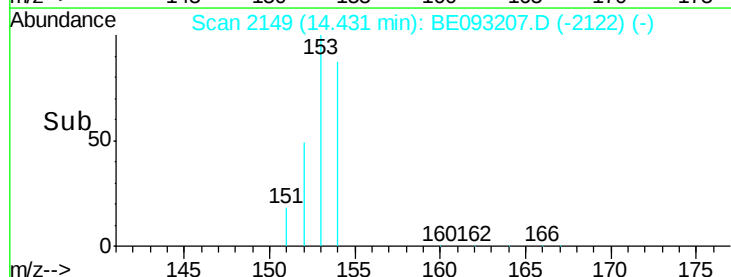
14.43

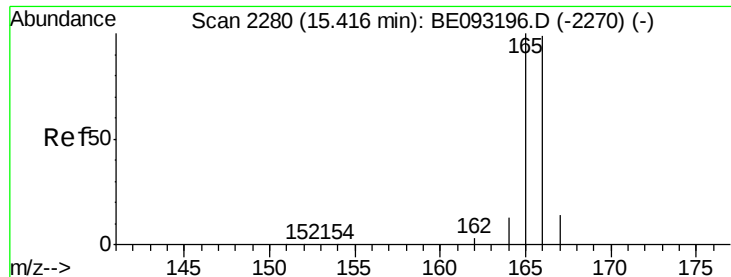
14.30

14.50

14.60

Time-->





#9

Fluorene

Concen: 0.40 ng/ul

RT: 15.42 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BE093207.D

Acq: 15 Jun 2017 14:21

Instrument :

BNA_E

ClientSampleId :

SSTD0.408

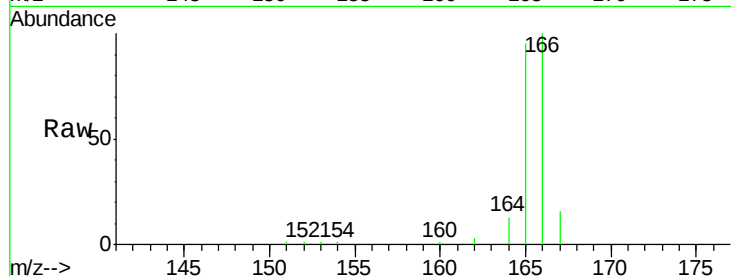
Tot Ion:166 Resp: 11602

Ion Ratio Lower Upper

166 100

165 95.0 73.4 110.2

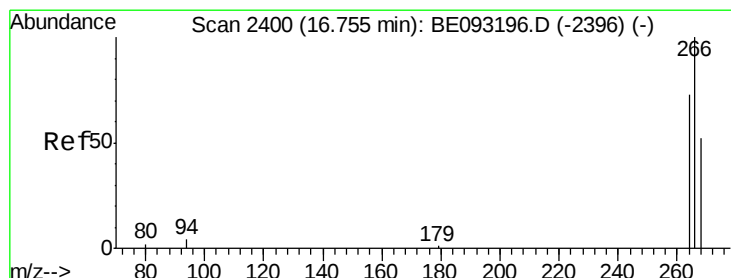
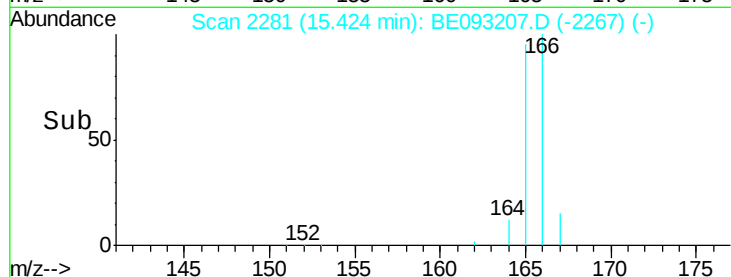
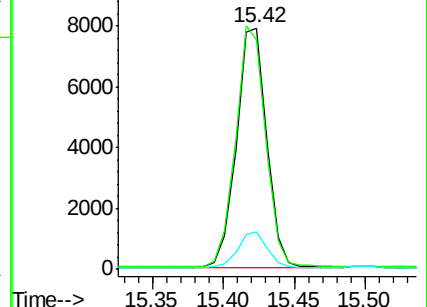
167 15.6 14.6 22.0



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: 0.51 ng/ul

RT: 16.77 min Scan# 2401

Delta R.T. 0.02 min

Lab File: BE093207.D

Acq: 15 Jun 2017 14:21

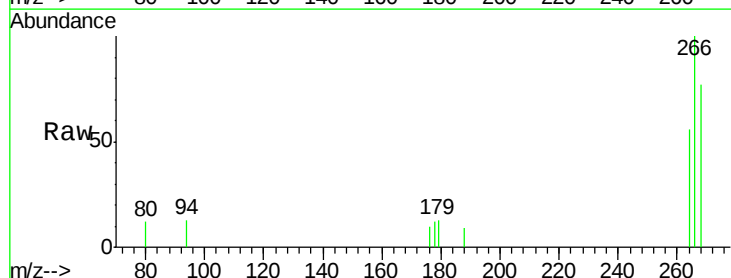
Tgt Ion:266 Resp: 1302

Ion Ratio Lower Upper

266 100

264 62.1 47.9 71.9

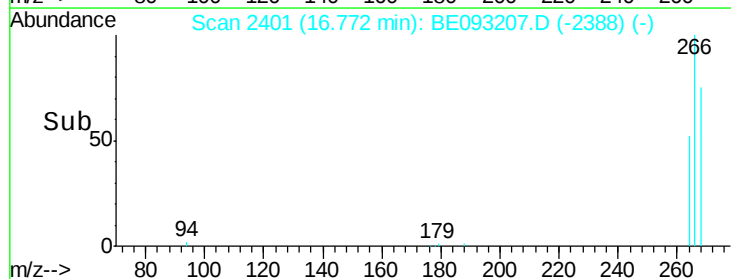
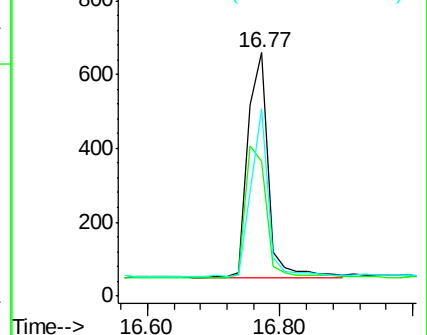
268 63.1 49.8 74.8

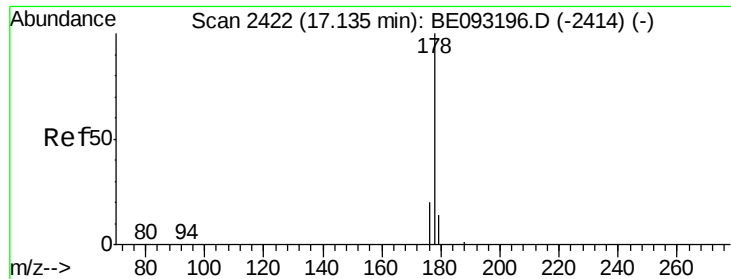


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

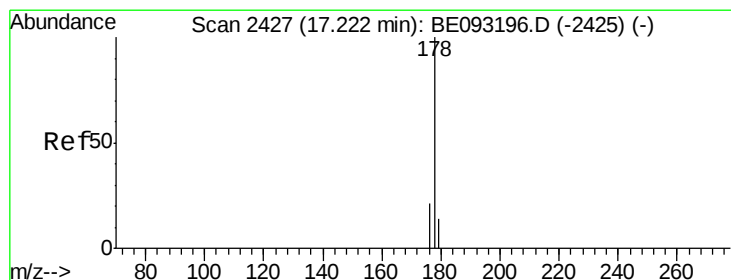
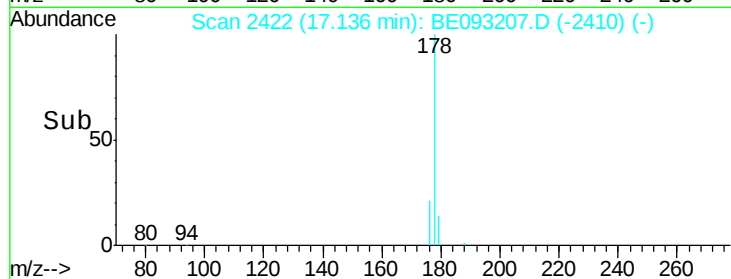
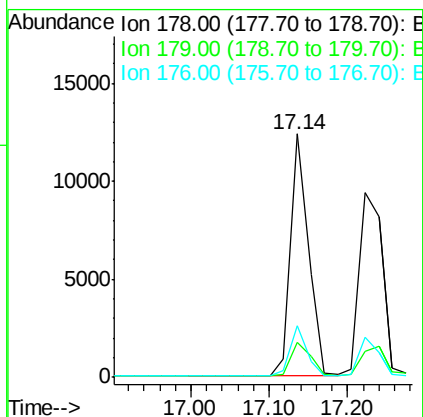
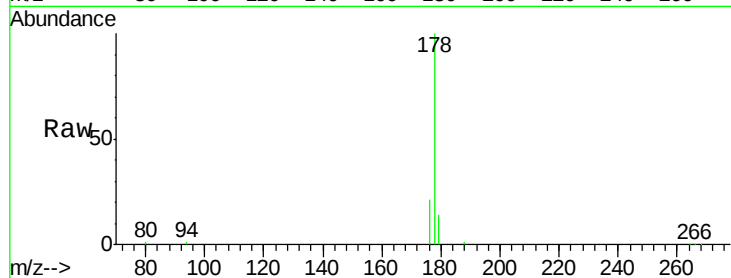




#12
 Phenanthrene
 Concen: 0.41 ng/ul
 RT: 17.14 min Scan# 2422
 Delta R.T. 0.00 min
 Lab File: BE093207.D
 Acq: 15 Jun 2017 14:21

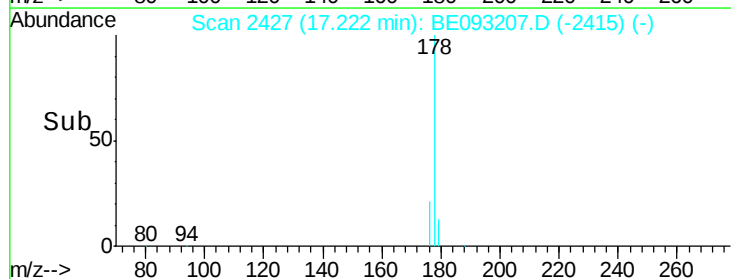
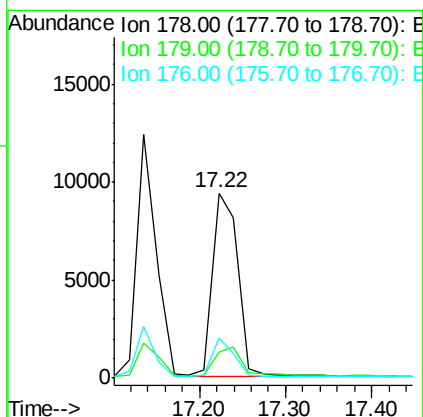
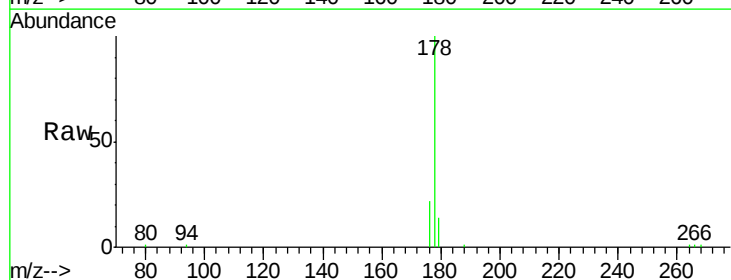
Instrument :
 BNA_E
 ClientSampleId :
 SST0.408

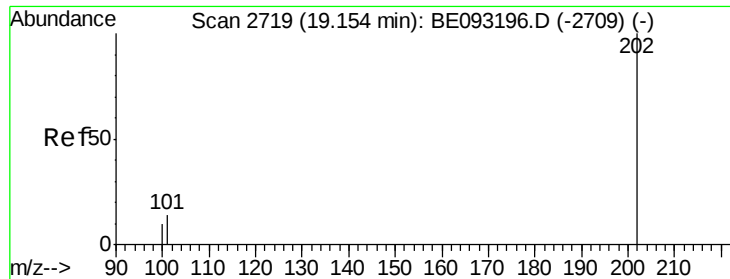
Tot Ion:178 Resp: 19360
 Ion Ratio Lower Upper
 178 100
 179 14.5 18.4 27.6#
 176 21.1 13.6 20.4#



#13
 Anthracene
 Concen: 0.46 ng/ul
 RT: 17.22 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BE093207.D
 Acq: 15 Jun 2017 14:21

Tgt Ion:178 Resp: 19143
 Ion Ratio Lower Upper
 178 100
 179 14.1 18.1 27.1#
 176 22.0 14.7 22.1





#15

Fluoranthene

Concen: 0.40 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. 0.00 min

Lab File: BE093207.D

Acq: 15 Jun 2017 14:21

Instrument :

BNA_E

ClientSampleId :

SSTD0.408

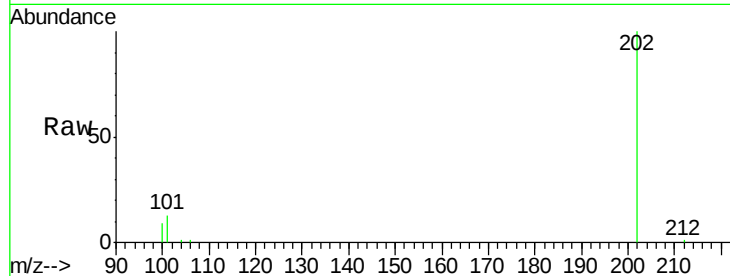
Tot Ion:202 Resp: 23327

Ion Ratio Lower Upper

202 100

101 13.3 0.0 30.3

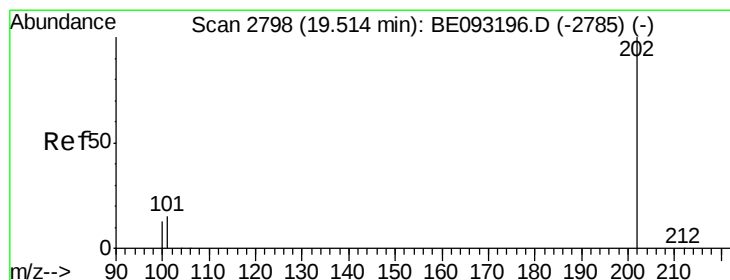
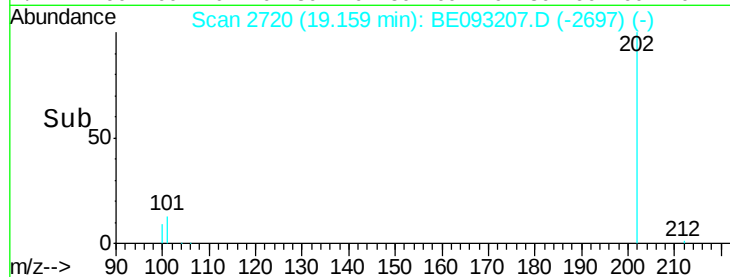
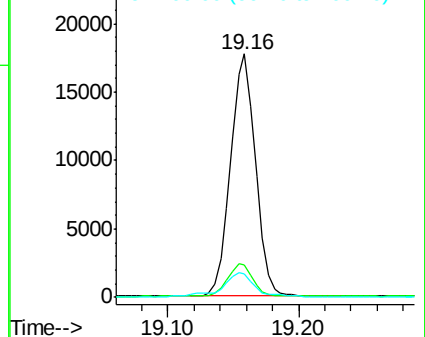
100 9.4 0.0 39.5



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: 0.48 ng/ul

RT: 19.52 min Scan# 2799

Delta R.T. 0.00 min

Lab File: BE093207.D

Acq: 15 Jun 2017 14:21

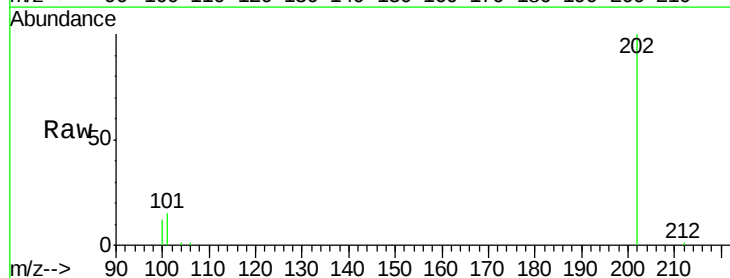
Tgt Ion:202 Resp: 24687

Ion Ratio Lower Upper

202 100

101 15.3 18.2 27.4#

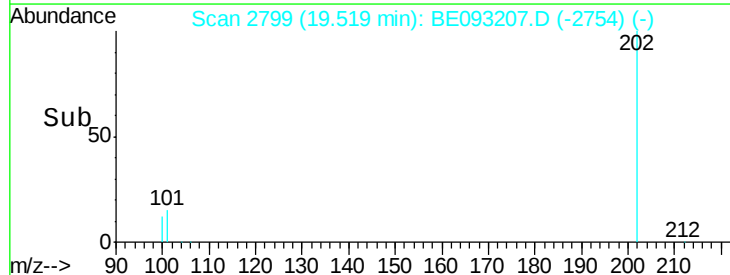
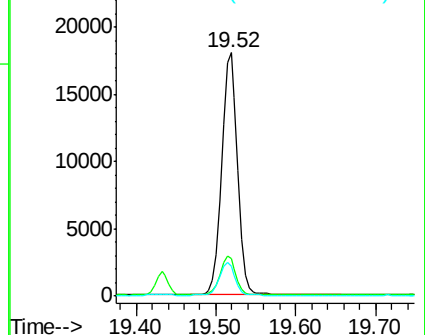
100 12.1 15.6 23.4#

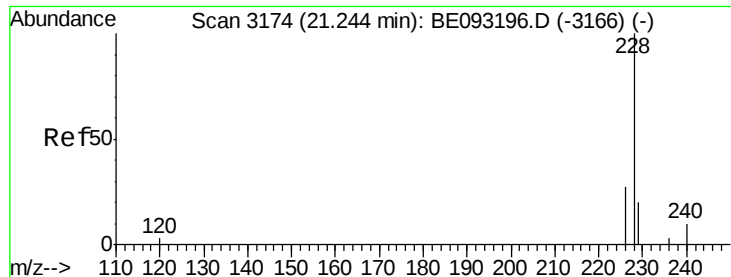


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE093207.D

Acq: 15 Jun 2017 14:21

Instrument :

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ClientSampleId :

SSTD0.408

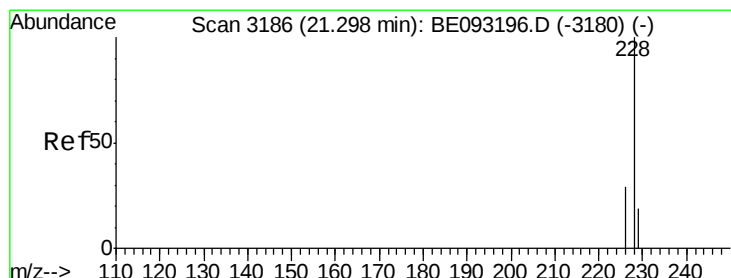
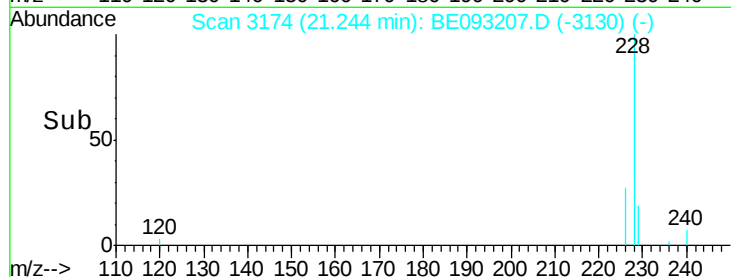
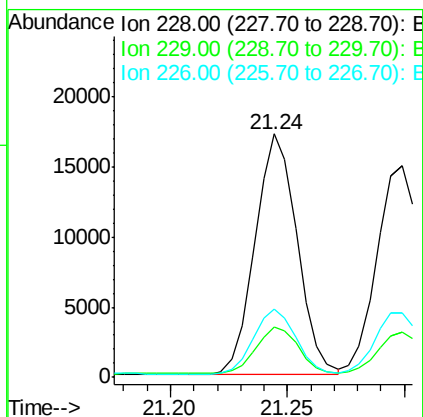
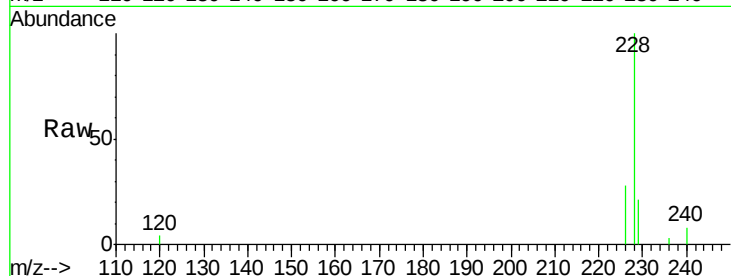
Tot Ion:228 Resp: 21473

Ion Ratio Lower Upper

228 100

229 20.6 22.8 34.2#

226 28.2 17.0 25.6#



#19

Chrysene

Concen: 0.41 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093207.D

Acq: 15 Jun 2017 14:21

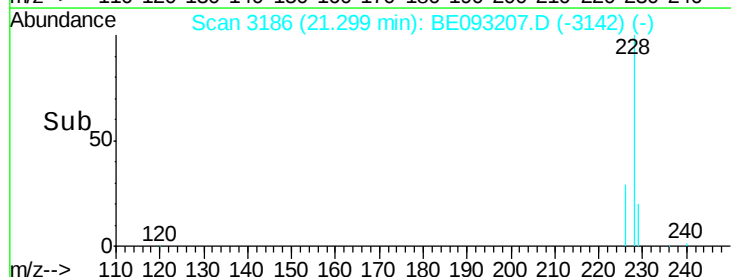
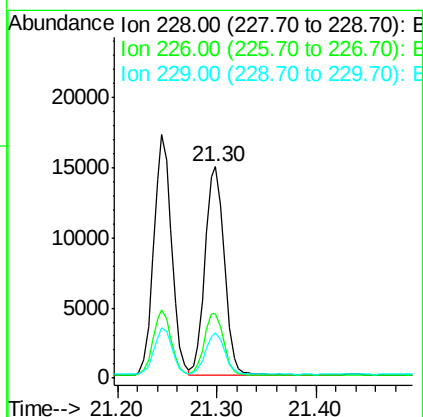
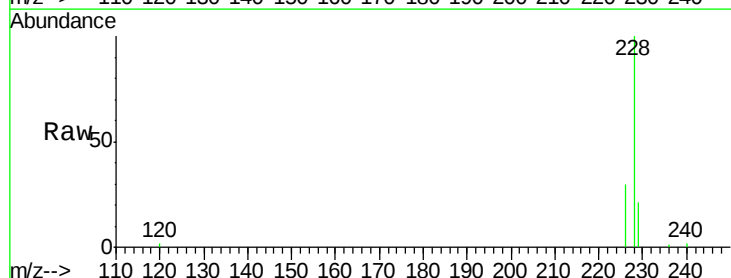
Tgt Ion:228 Resp: 19830

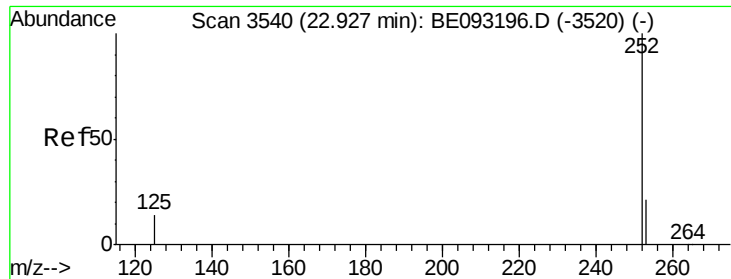
Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

229 21.2 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.42 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093207.D

Acq: 15 Jun 2017 14:21

Instrument :

BNA_E

ClientSampleId :

SSTD0.408

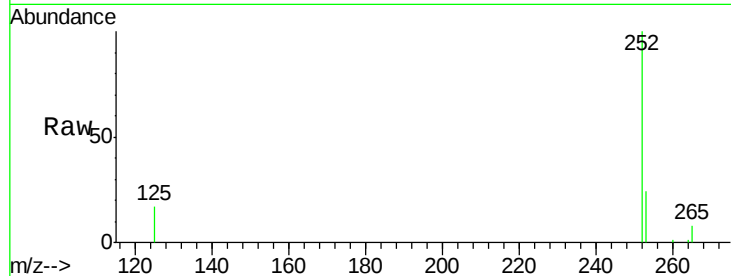
Tot Ion:252 Resp: 19103

Ion Ratio Lower Upper

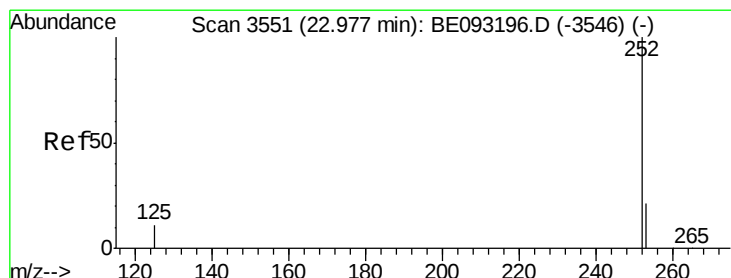
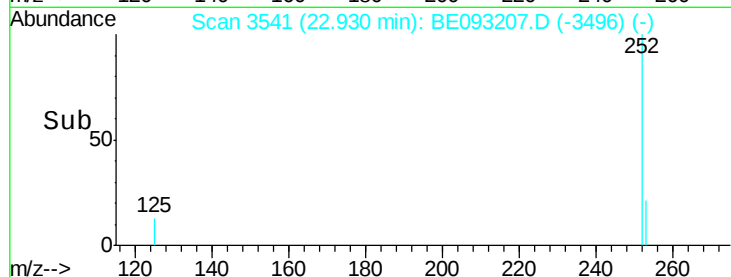
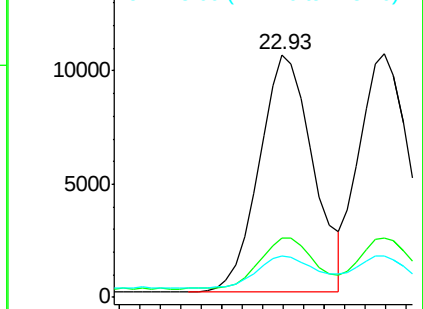
252 100

253 24.4 0.0 64.2

125 17.1 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/ul

RT: 22.98 min Scan# 3552

Delta R.T. 0.00 min

Lab File: BE093207.D

Acq: 15 Jun 2017 14:21

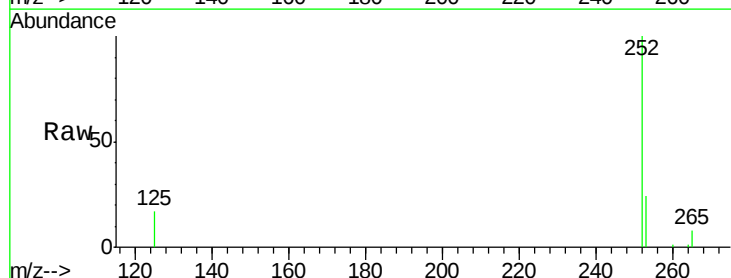
Tgt Ion:252 Resp: 18193

Ion Ratio Lower Upper

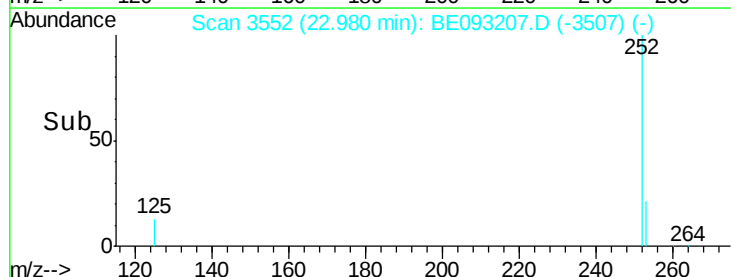
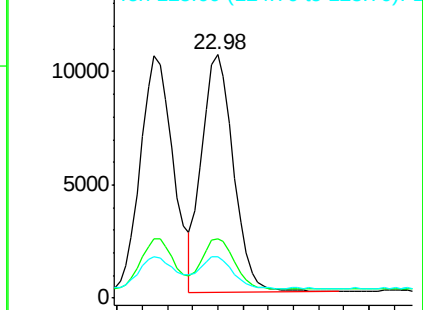
252 100

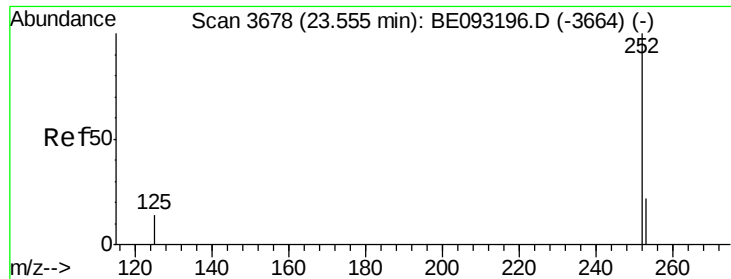
253 24.2 24.5 36.7#

125 16.9 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: 23.56 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BE093207.D

Acq: 15 Jun 2017 14:21

Instrument :

BNA_E

ClientSampleId :

SSTD0.408

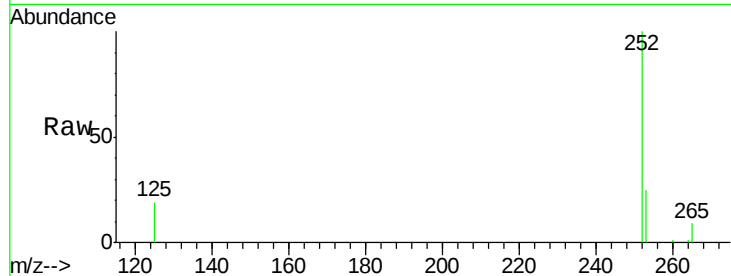
Tot Ion:252 Resp: 18190

Ion Ratio Lower Upper

252 100

253 25.1 28.5 42.7#

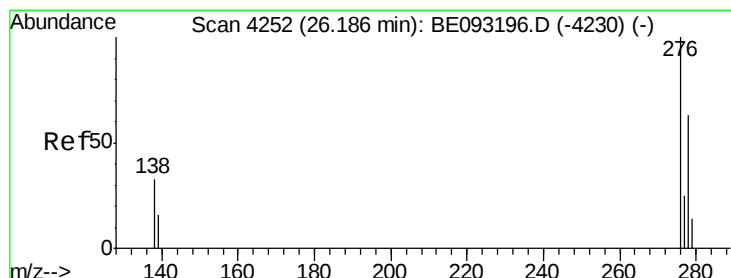
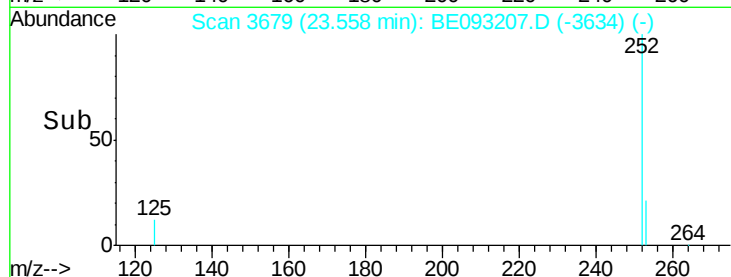
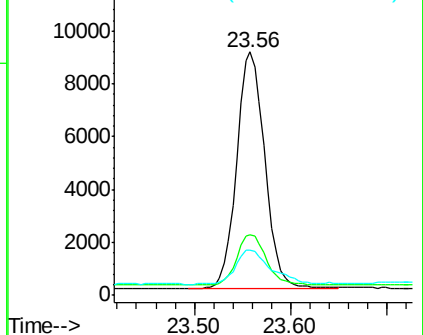
125 18.7 18.1 27.1



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: 26.19 min Scan# 4254

Delta R.T. 0.00 min

Lab File: BE093207.D

Acq: 15 Jun 2017 14:21

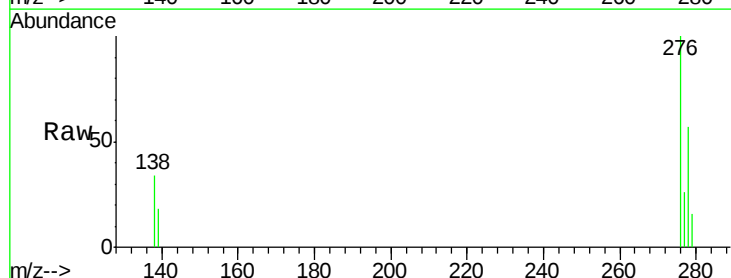
Tgt Ion:276 Resp: 20630

Ion Ratio Lower Upper

276 100

138 33.5 28.0 42.0

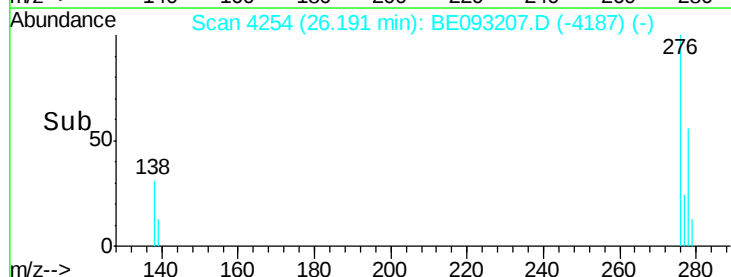
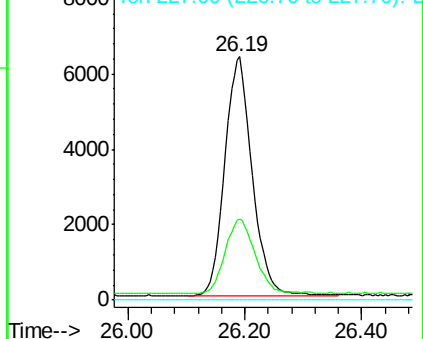
227 0.0 8.0 12.0#

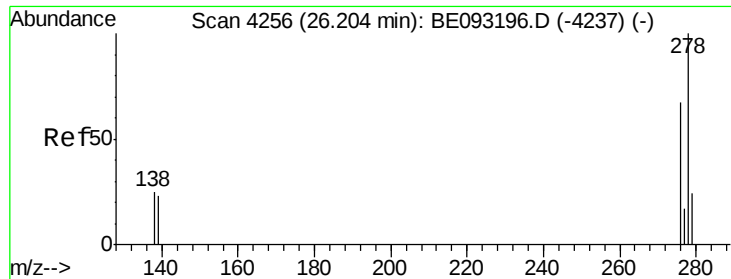


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.41 ng/ul

RT: 26.21 min Scan# 4258

Delta R.T. 0.00 min

Lab File: BE093207.D

Acq: 15 Jun 2017 14:21

Instrument :

BNA_E

ClientSampleId :

SSTD0.408

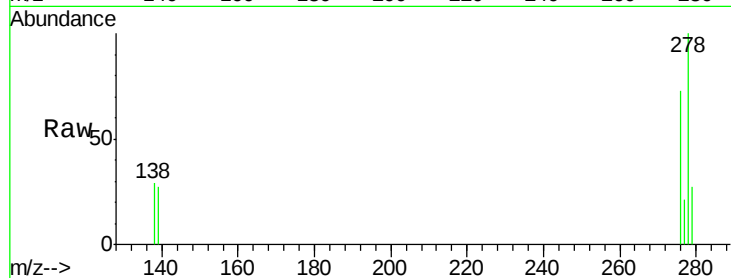
Tot Ion:278 Resp: 17133

Ion Ratio Lower Upper

278 100

139 26.9 17.4 26.0#

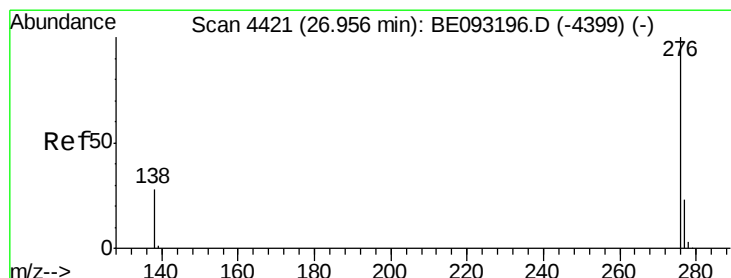
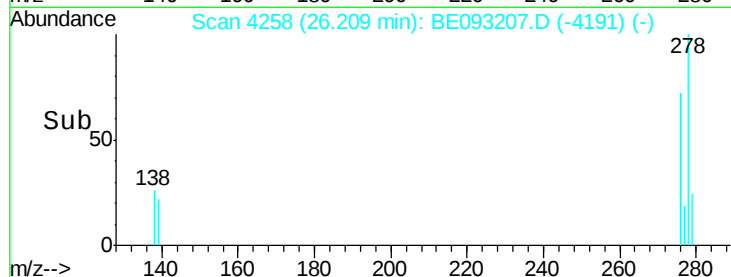
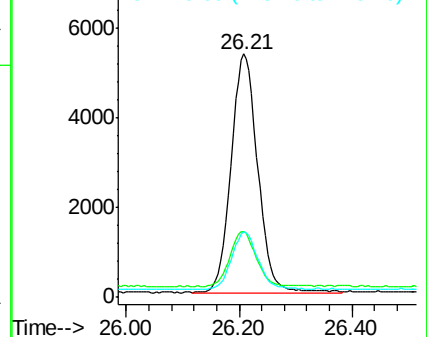
279 26.9 25.9 38.9



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: 0.41 ng/ul

RT: 26.97 min Scan# 4424

Delta R.T. 0.01 min

Lab File: BE093207.D

Acq: 15 Jun 2017 14:21

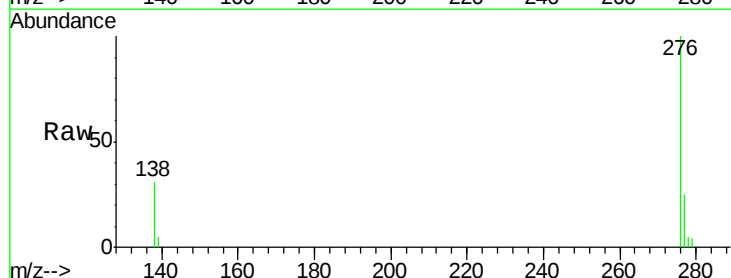
Tgt Ion:276 Resp: 17152

Ion Ratio Lower Upper

276 100

138 30.8 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

