

Data File : BE093308.D
Acq On : 21 Jun 2017 9:44
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.419

Quant Time: Jun 22 02:08:33 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 03:23:49 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1819	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9751	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5529	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	13340	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13497	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11404	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	6208	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	14368	0.40	ng/ul	0.00

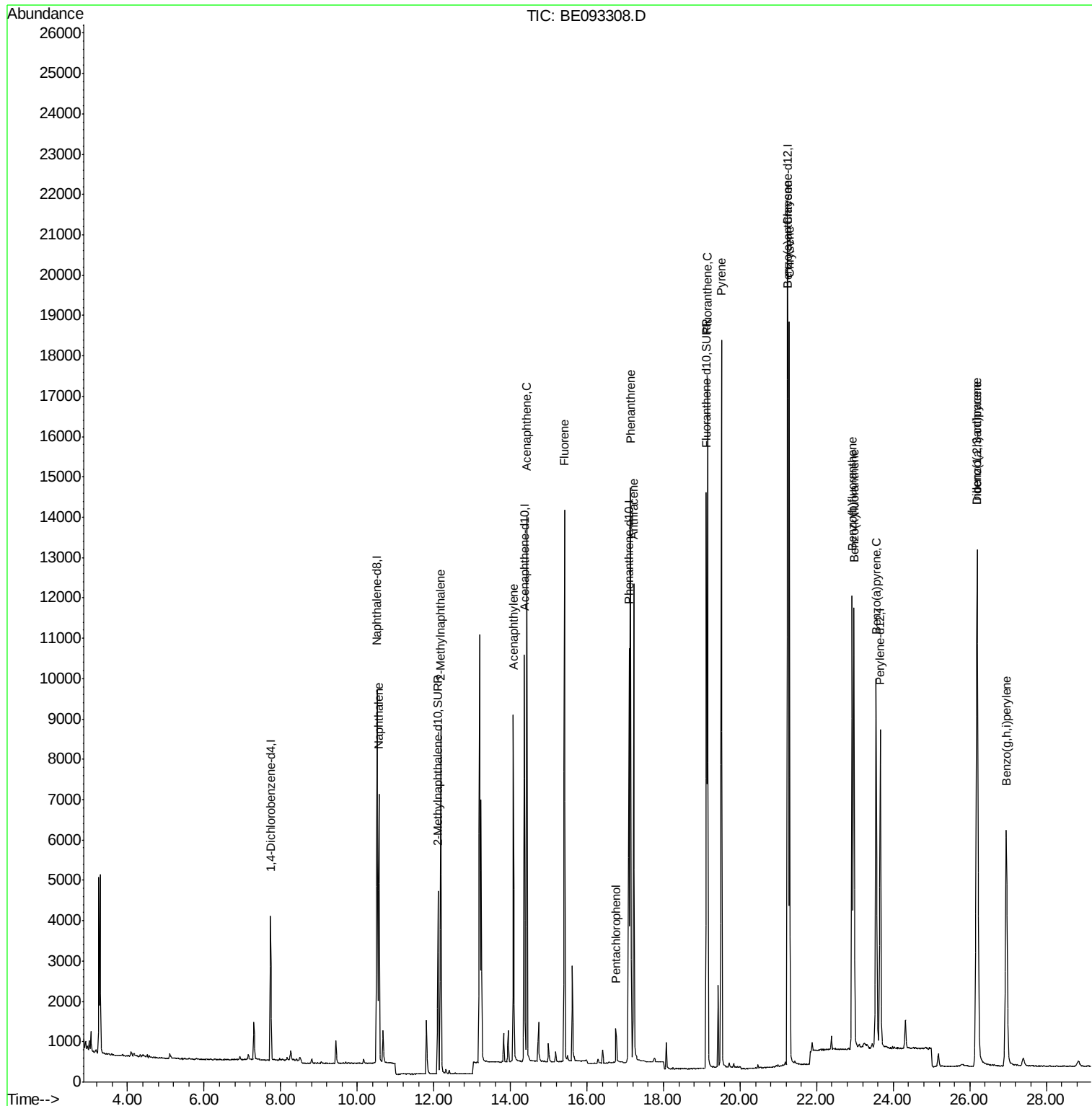
Target Compounds						Qvalue
3) Naphthalene	10.56	128	9989	0.41	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	7181	0.43	ng/ul	99
7) Acenaphthylene	14.08	152	10288	0.43	ng/ul	97
8) Acenaphthene	14.42	153	7914	0.41	ng/ul	97
9) Fluorene	15.41	166	8924	0.40	ng/ul	90
11) Pentachlorophenol	16.75	266	790	0.40	ng/ul	96
12) Phenanthrene	17.13	178	15013	0.41	ng/ul#	89
13) Anthracene	17.22	178	14128	0.44	ng/ul#	89
15) Fluoranthene	19.15	202	17616	0.39	ng/ul	83
17) Pyrene	19.51	202	18942	0.48	ng/ul#	85
18) Benzo(a)anthracene	21.24	228	16290	0.45	ng/ul#	86
19) Chrysene	21.29	228	15590	0.42	ng/ul	95
21) Benzo(b)fluoranthene	22.93	252	14679	0.42	ng/ul	88
22) Benzo(k)fluoranthene	22.97	252	14592	0.40	ng/ul#	89
23) Benzo(a)pyrene	23.55	252	13944	0.43	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	15884	0.42	ng/ul#	94
25) Dibenzo(a,h)anthracene	26.20	278	13205	0.41	ng/ul#	88
26) Benzo(g,h,i)perylene	26.96	276	13048	0.40	ng/ul	97

(#) = 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: BE093308.D

Acq: 21 Jun 2017 9:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.419

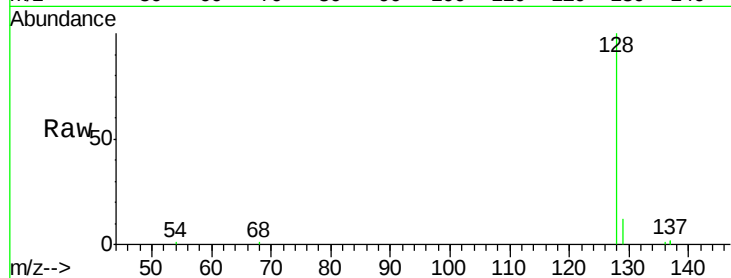
Tgt Ion:128 Resp: 9989

Ion Ratio Lower Upper

128 100

129 11.6 11.3 16.9

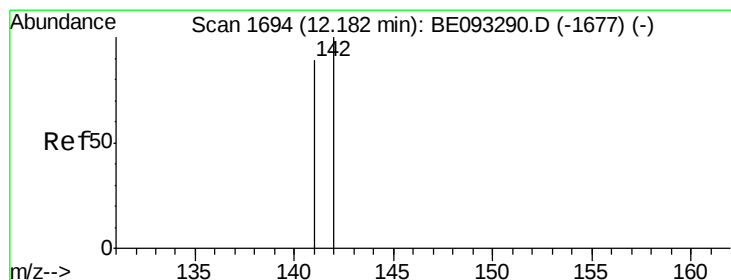
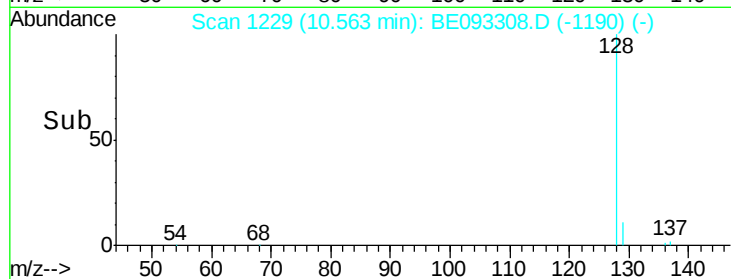
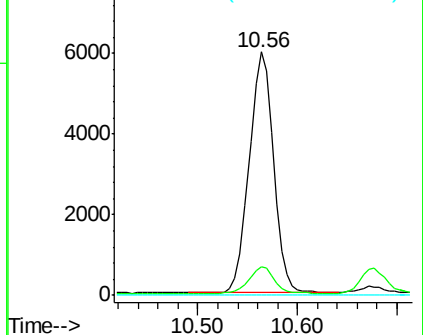
127 0.0 4.0 6.0#



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: BE093308.D

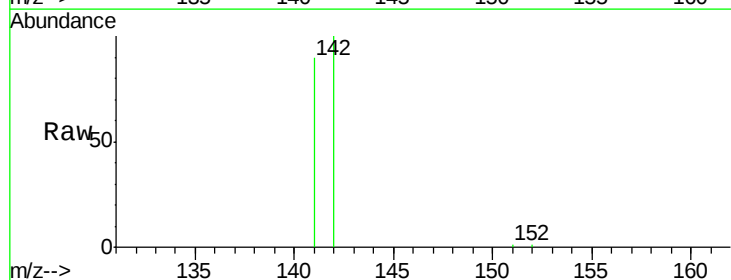
Acq: 21 Jun 2017 9:44

Tgt Ion:142 Resp: 7181

Ion Ratio Lower Upper

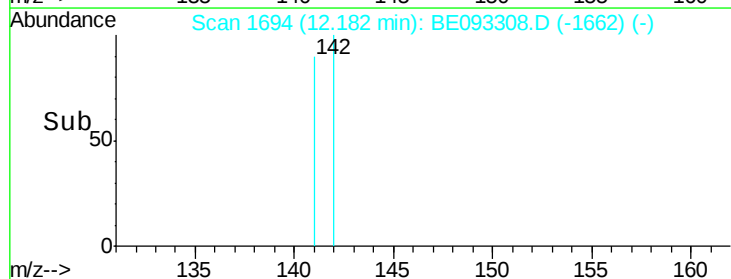
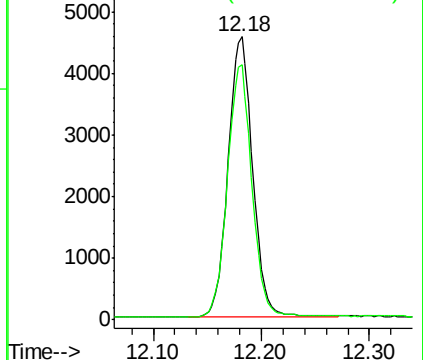
142 100

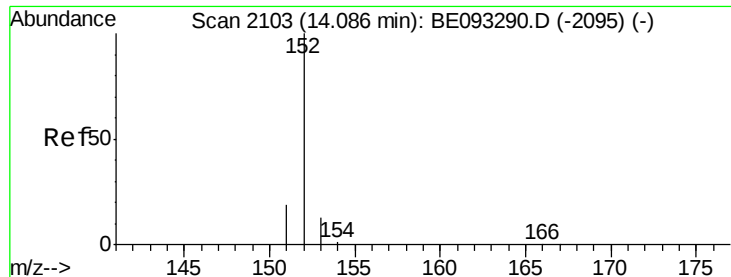
141 89.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.43 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BE093308.D

Acq: 21 Jun 2017 9:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.419

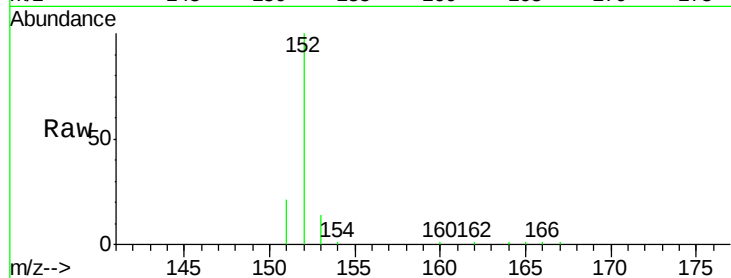
Tgt Ion:152 Resp: 10288

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

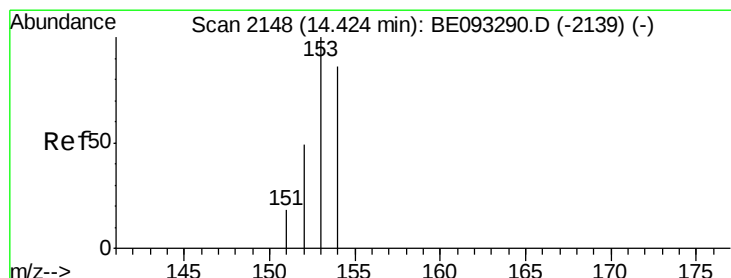
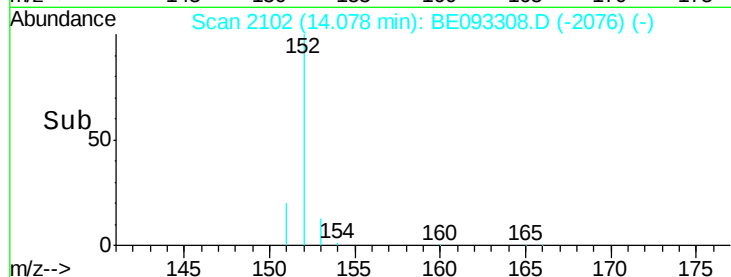
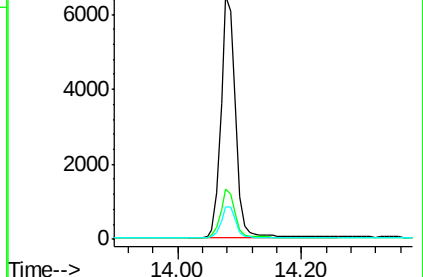
153 13.6 12.8 19.2



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: BE093308.D

Acq: 21 Jun 2017 9:44

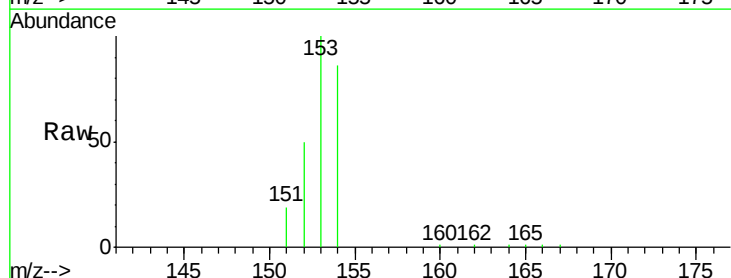
Tgt Ion:153 Resp: 7914

Ion Ratio Lower Upper

153 100

152 49.9 40.3 60.5

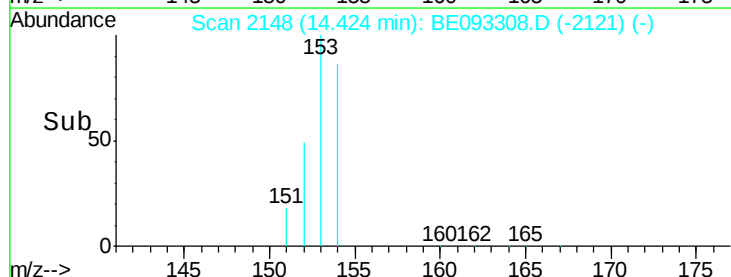
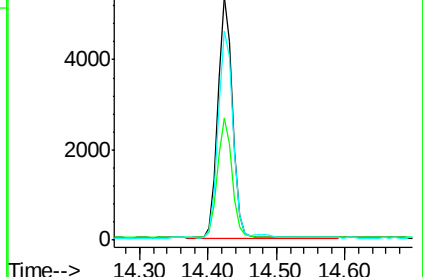
154 85.6 71.4 107.2

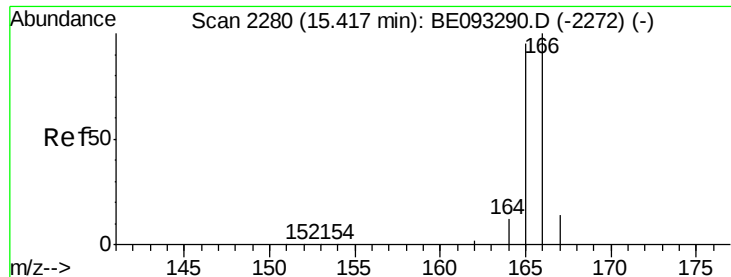


Abundance Ion 153.00 (152.70 to 153.70): E

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. -0.01 min

Lab File: BE093308.D

Acq: 21 Jun 2017 9:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.419

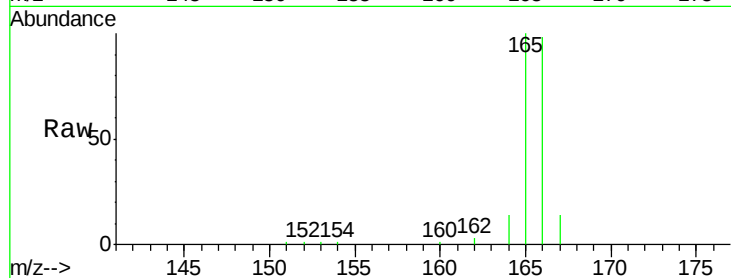
Tgt Ion:166 Resp: 8924

Ion Ratio Lower Upper

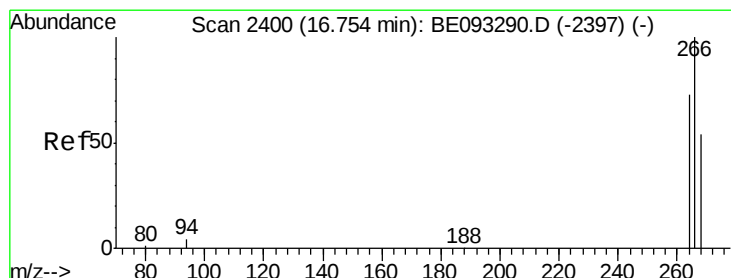
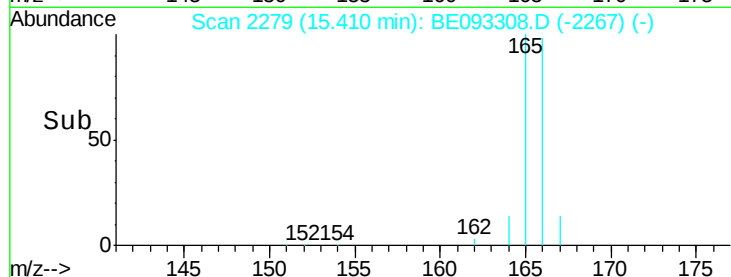
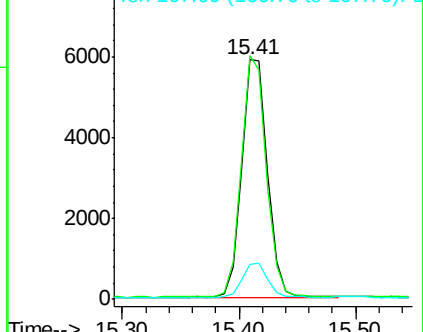
166 100

165 101.7 73.4 110.2

167 14.7 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: 0.40 ng/ul

RT: 16.75 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BE093308.D

Acq: 21 Jun 2017 9:44

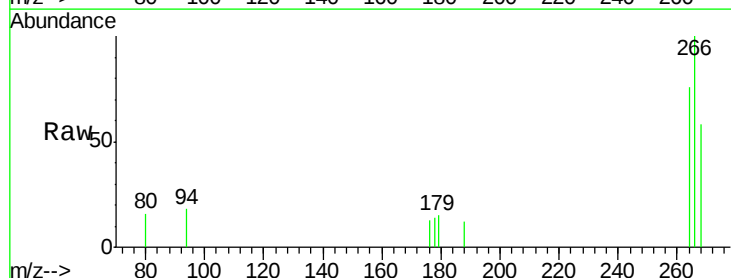
Tgt Ion:266 Resp: 790

Ion Ratio Lower Upper

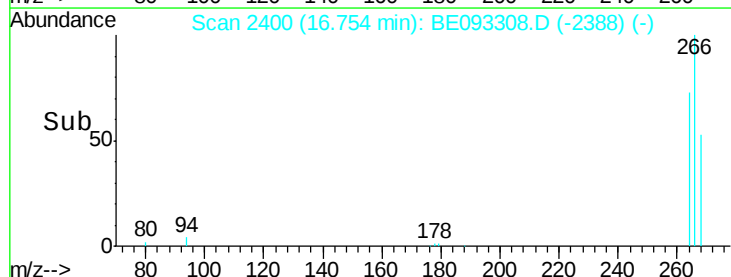
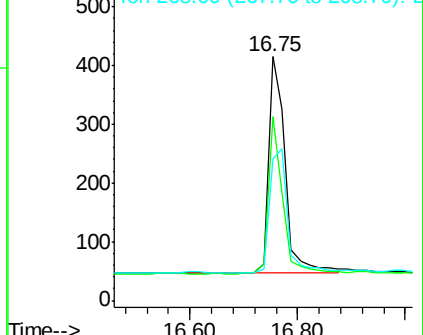
266 100

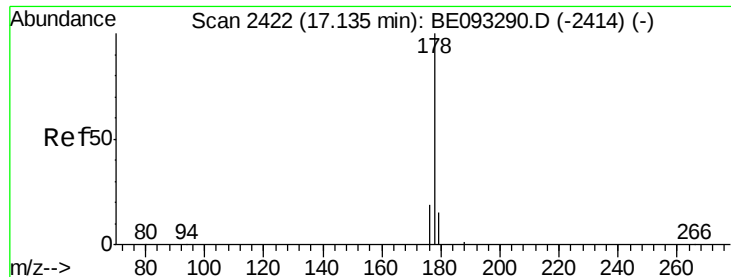
264 64.4 47.9 71.9

268 63.9 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: 17.13 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093308.D

Acq: 21 Jun 2017 9:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.419

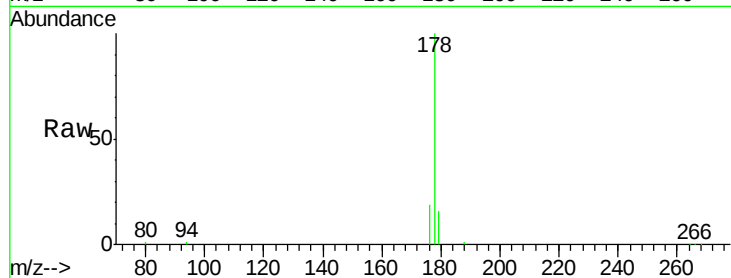
Tgt Ion:178 Resp: 15013

Ion Ratio Lower Upper

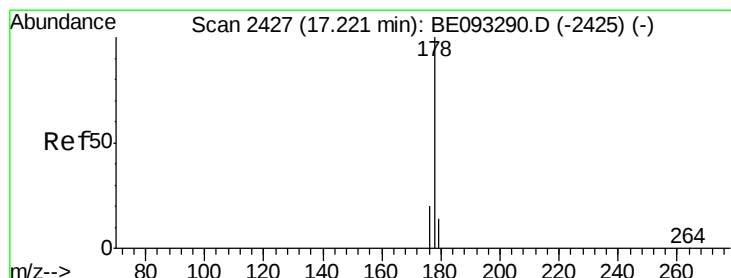
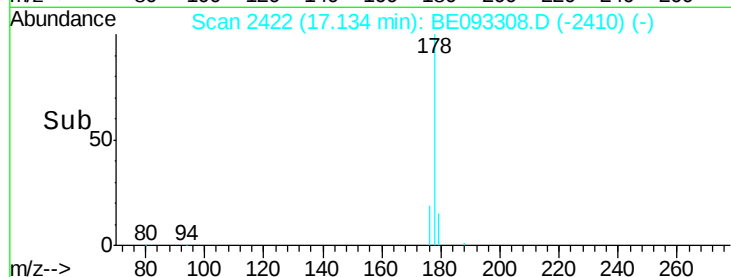
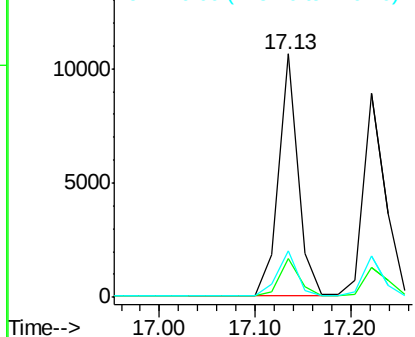
178 100

179 15.7 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: 0.44 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093308.D

Acq: 21 Jun 2017 9:44

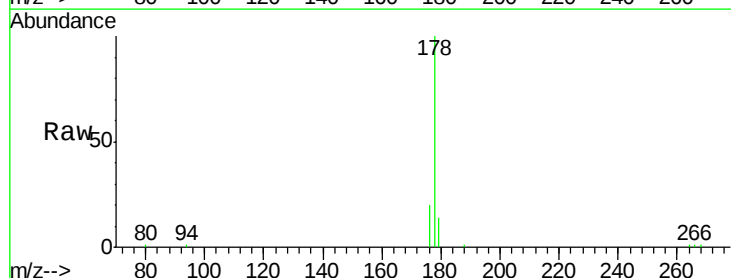
Tgt Ion:178 Resp: 14128

Ion Ratio Lower Upper

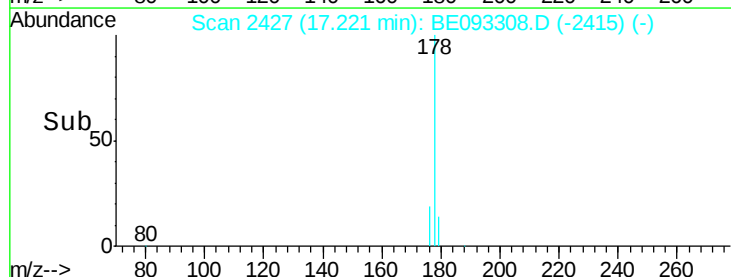
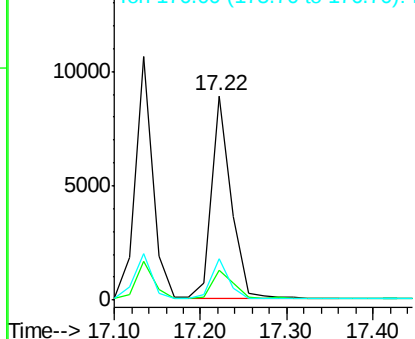
178 100

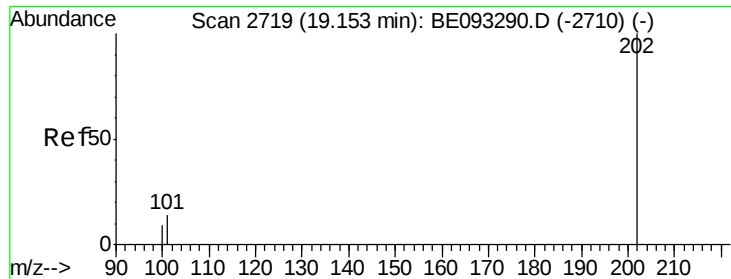
179 14.4 18.1 27.1#

176 19.9 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

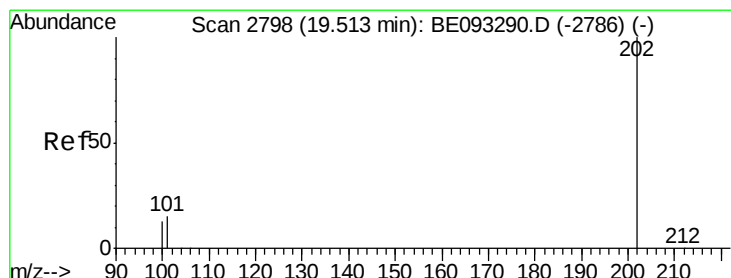
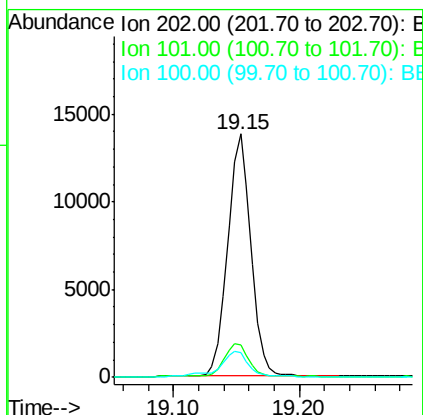
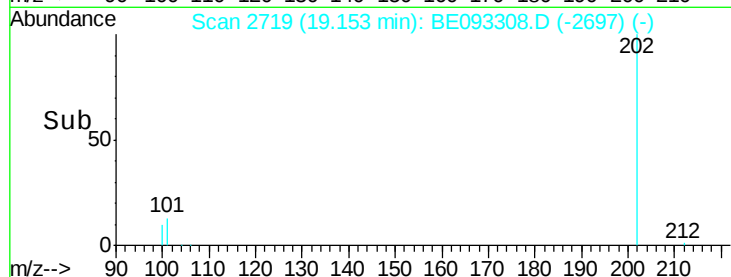
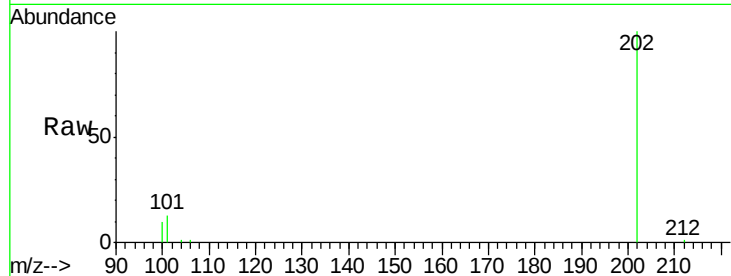




#15
Fluoranthene
Concen: 0.39 ng/ul
RT: 19.15 min Scan# 2719
Delta R.T. -0.00 min
Lab File: BE093308.D
Acq: 21 Jun 2017 9:44

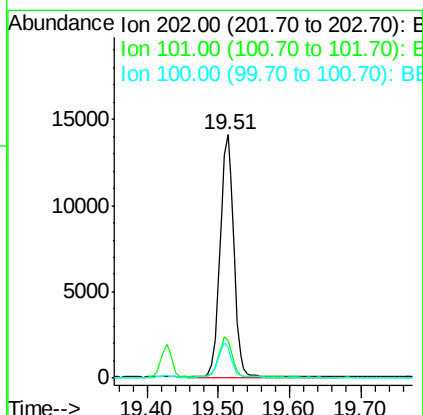
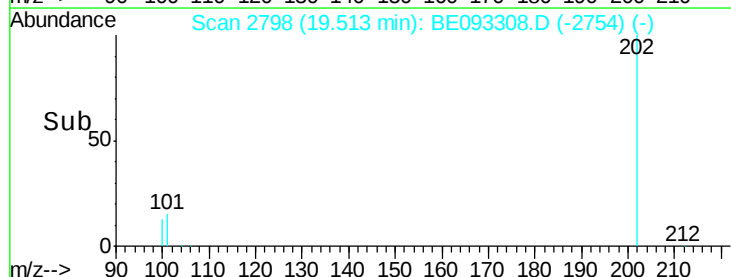
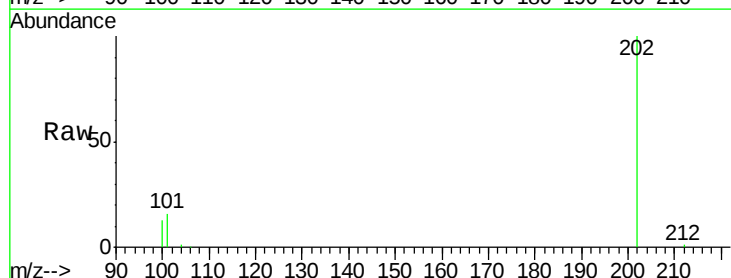
Instrument :
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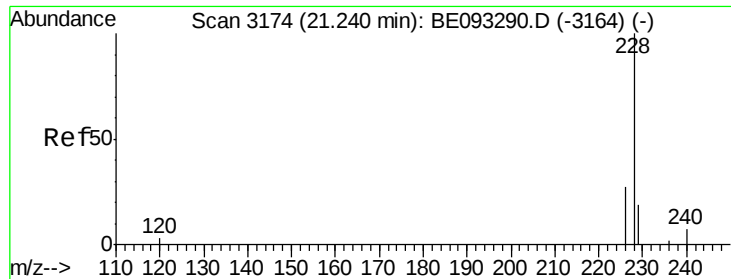
Tgt Ion:202 Resp: 17616
Ion Ratio Lower Upper
202 100
101 13.3 0.0 30.3
100 9.9 0.0 39.5



#17
Pyrene
Concen: 0.48 ng/ul
RT: 19.51 min Scan# 2798
Delta R.T. -0.00 min
Lab File: BE093308.D
Acq: 21 Jun 2017 9:44

Tgt Ion:202 Resp: 18942
Ion Ratio Lower Upper
202 100
101 15.6 18.2 27.4#
100 12.9 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: BE093308.D

Acq: 21 Jun 2017 9:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.419

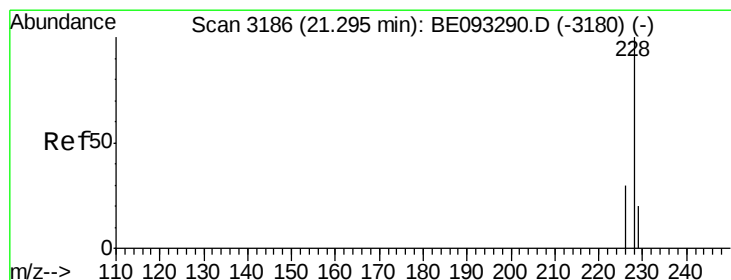
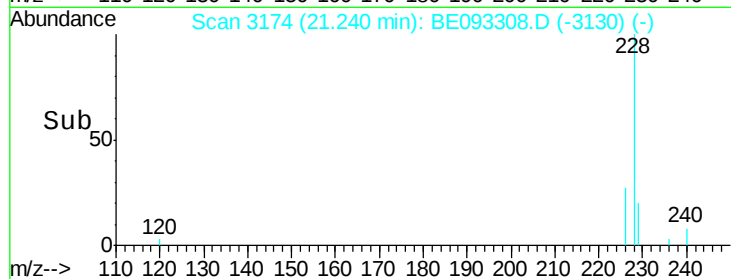
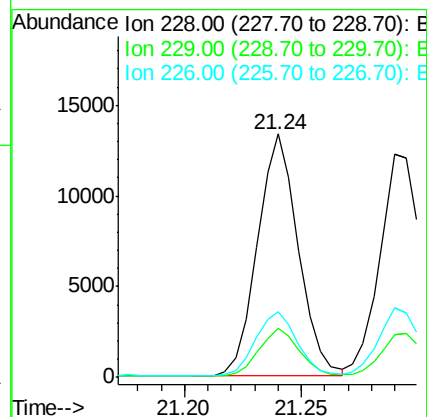
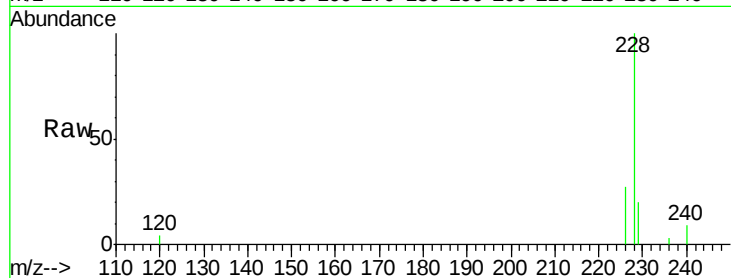
Tgt Ion:228 Resp: 16290

Ion Ratio Lower Upper

228 100

229 20.0 22.8 34.2#

226 27.1 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: BE093308.D

Acq: 21 Jun 2017 9:44

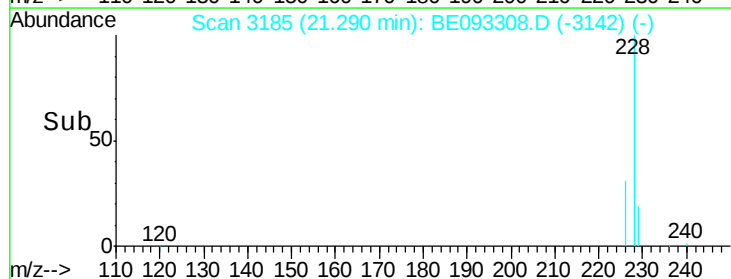
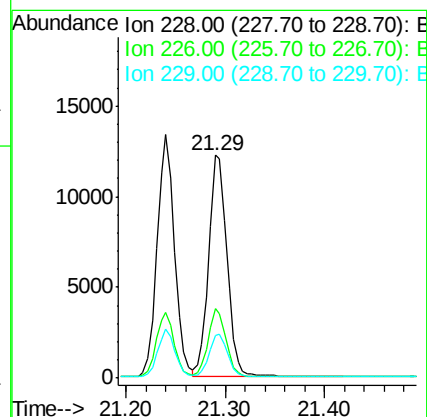
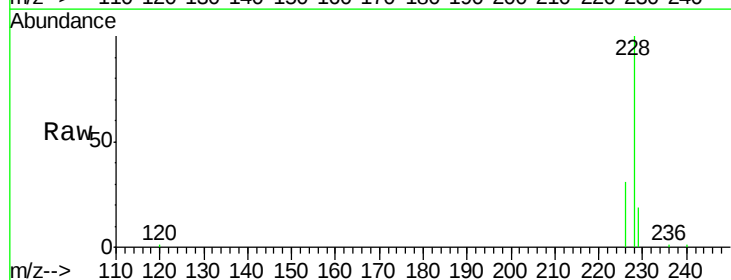
Tgt Ion:228 Resp: 15590

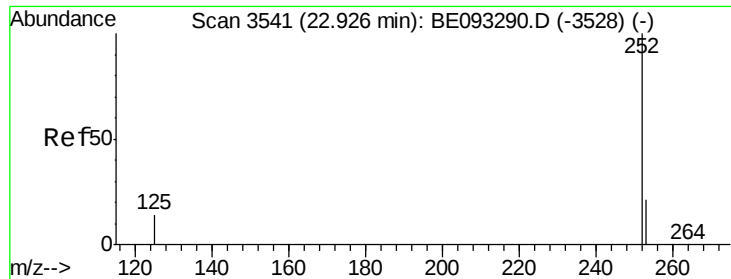
Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.0

229 19.4 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: BE093308.D

Acq: 21 Jun 2017 9:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.419

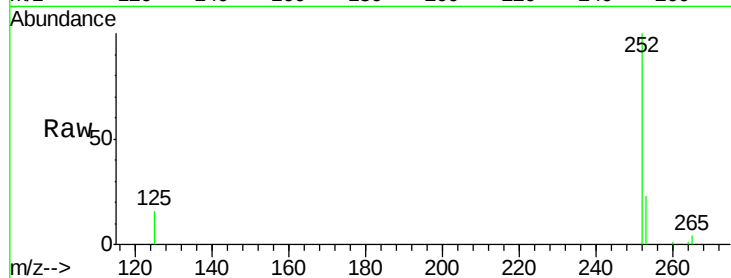
Tgt Ion:252 Resp: 14679

Ion Ratio Lower Upper

252 100

253 22.6 0.0 64.2

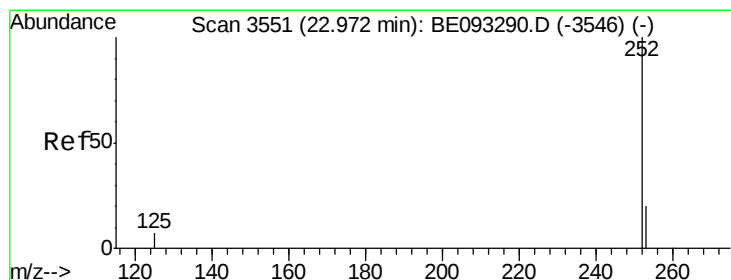
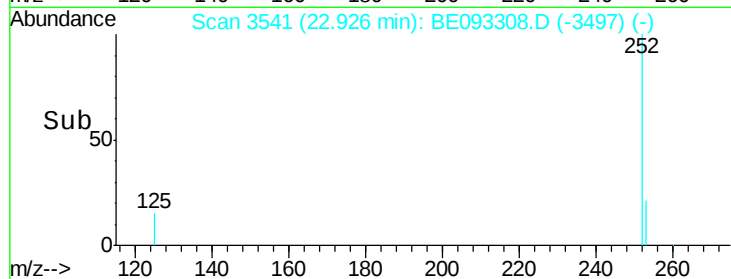
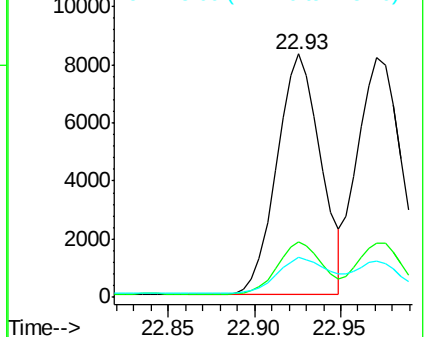
125 16.3 0.0 35.0



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: 0.40 ng/ul

RT: 22.97 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BE093308.D

Acq: 21 Jun 2017 9:44

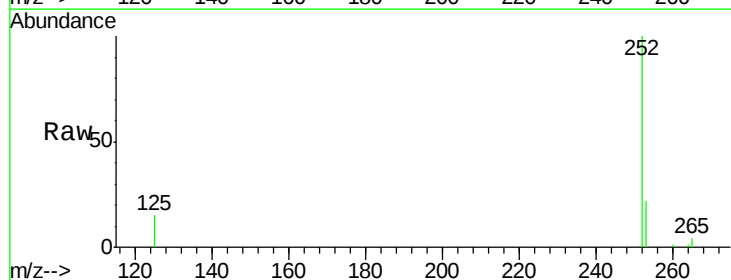
Tgt Ion:252 Resp: 14592

Ion Ratio Lower Upper

252 100

253 22.4 24.5 36.7#

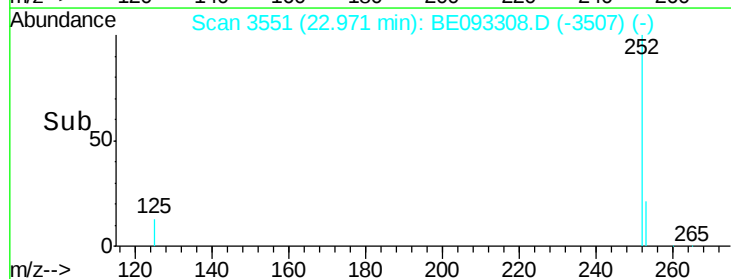
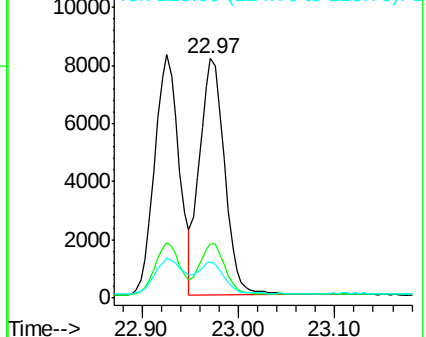
125 15.0 13.7 20.5

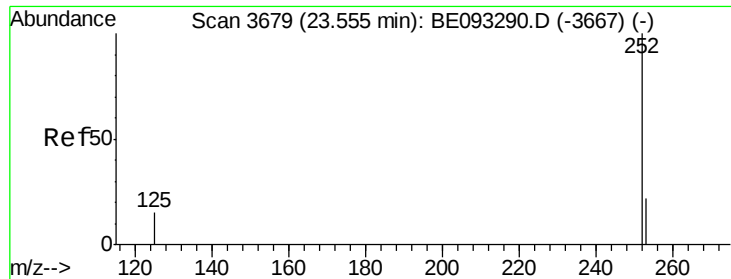


Abundance Ion 252.00 (251.70 to 252.70): E

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: BE093308.D

Acq: 21 Jun 2017 9:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.419

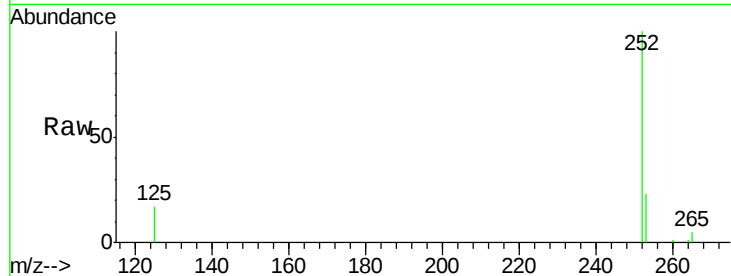
Tgt Ion:252 Resp: 13944

Ion Ratio Lower Upper

252 100

253 22.7 28.5 42.7#

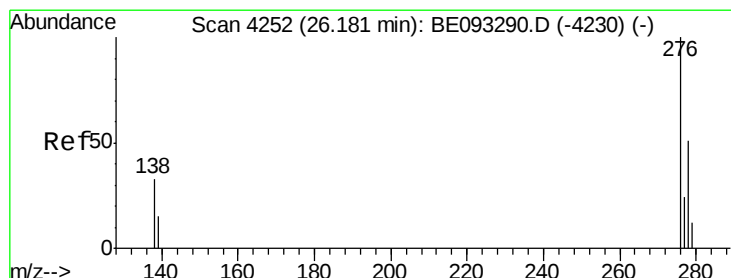
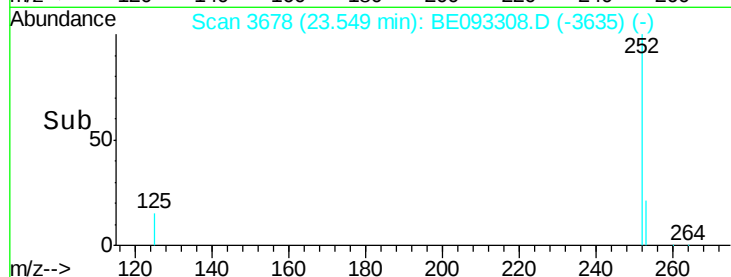
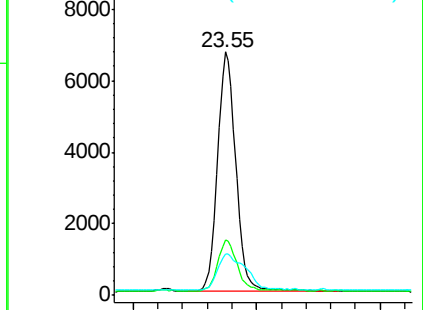
125 17.2 18.1 27.1#



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# 4252

Delta R.T. 0.00 min

Lab File: BE093308.D

Acq: 21 Jun 2017 9:44

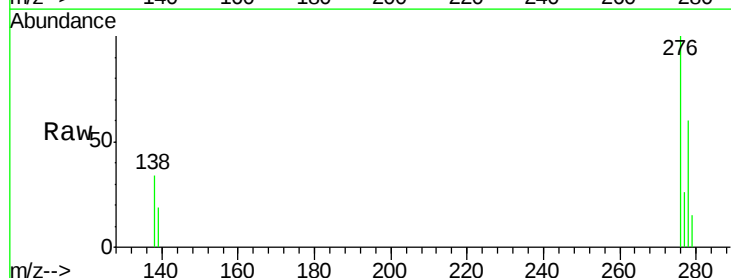
Tgt Ion:276 Resp: 15884

Ion Ratio Lower Upper

276 100

138 35.2 28.0 42.0

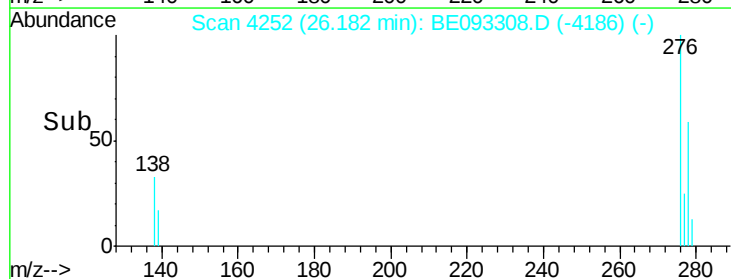
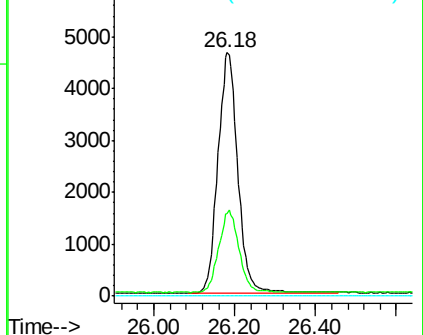
227 0.0 8.0 12.0#

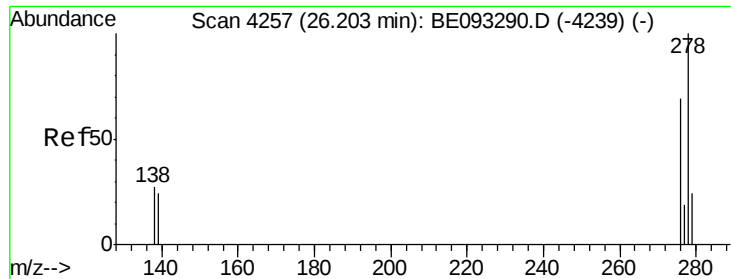


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

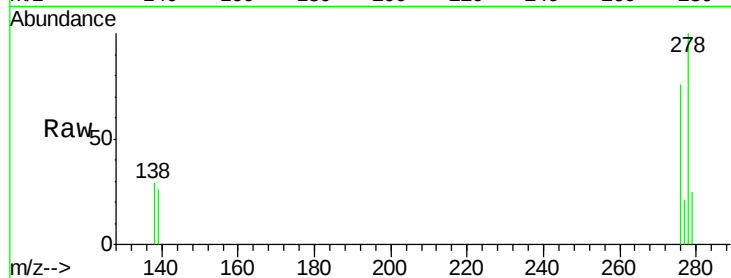




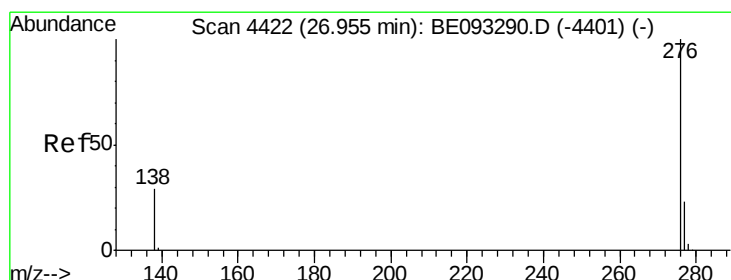
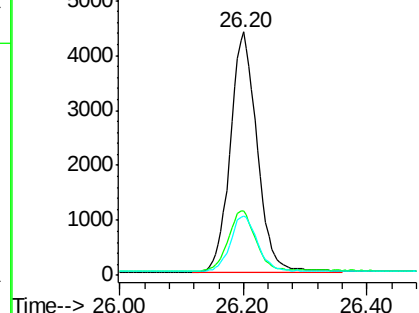
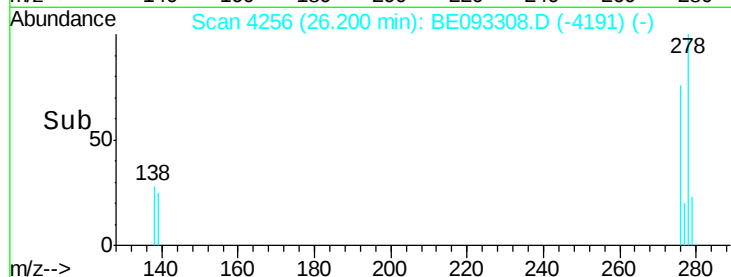
#25
Dibenzo(a,h)anthracene
Concen: 0.41 ng/ul
RT: 26.20 min Scan# 4256
Delta R.T. -0.00 min
Lab File: BE093308.D
Acq: 21 Jun 2017 9:44

Instrument :
BNA_E
ClientSampleId :
SSTD0.419

Tgt Ion: 278 Resp: 13205
Ion Ratio Lower Upper
278 100
139 26.3 17.4 26.0#
279 24.5 25.9 38.9#

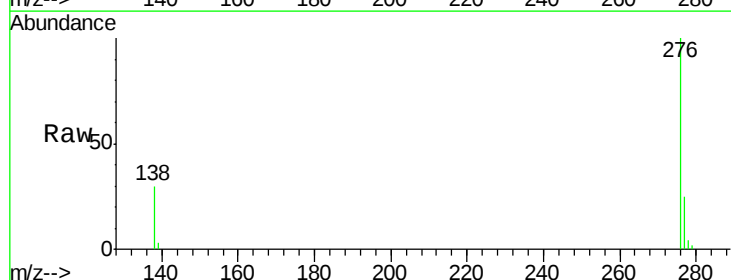


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.40 ng/ul
RT: 26.96 min Scan# 4422
Delta R.T. 0.00 min
Lab File: BE093308.D
Acq: 21 Jun 2017 9:44

Tgt Ion: 276 Resp: 13048
Ion Ratio Lower Upper
276 100
138 29.6 21.8 32.8
277 25.0 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

