

Data File : BE093371.D
Acq On : 24 Jun 2017 20:50
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.426

Quant Time: Jun 26 01:58:47 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 01:58:03 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1548	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	7863	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4592	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	11754	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13286	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11160	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	4743	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	13198	0.41	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.56	128	7733	0.40	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	5524	0.41	ng/ul	99
7) Acenaphthylene	14.08	152	8287	0.42	ng/ul	97
8) Acenaphthene	14.42	153	6271	0.39	ng/ul	99
9) Fluorene	15.41	166	7226	0.39	ng/ul#	92
11) Pentachlorophenol	16.75	266	779	0.45	ng/ul	98
12) Phenanthrene	17.14	178	12821	0.40	ng/ul#	91
13) Anthracene	17.22	178	12466	0.44	ng/ul#	91
15) Fluoranthene	19.15	202	15972	0.40	ng/ul	84
17) Pyrene	19.51	202	17429	0.44	ng/ul#	89
18) Benzo(a)anthracene	21.24	228	15267	0.43	ng/ul#	86
19) Chrysene	21.29	228	14352	0.39	ng/ul	97
21) Benzo(b)fluoranthene	22.92	252	13896	0.41	ng/ul	89
22) Benzo(k)fluoranthene	22.97	252	13949	0.39	ng/ul#	90
23) Benzo(a)pyrene	23.55	252	13259	0.41	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.18	276	15136	0.41	ng/ul#	94
25) Dibenzo(a,h)anthracene	26.20	278	12605	0.40	ng/ul#	87
26) Benzo(g,h,i)perylene	26.96	276	12317	0.39	ng/ul	96

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

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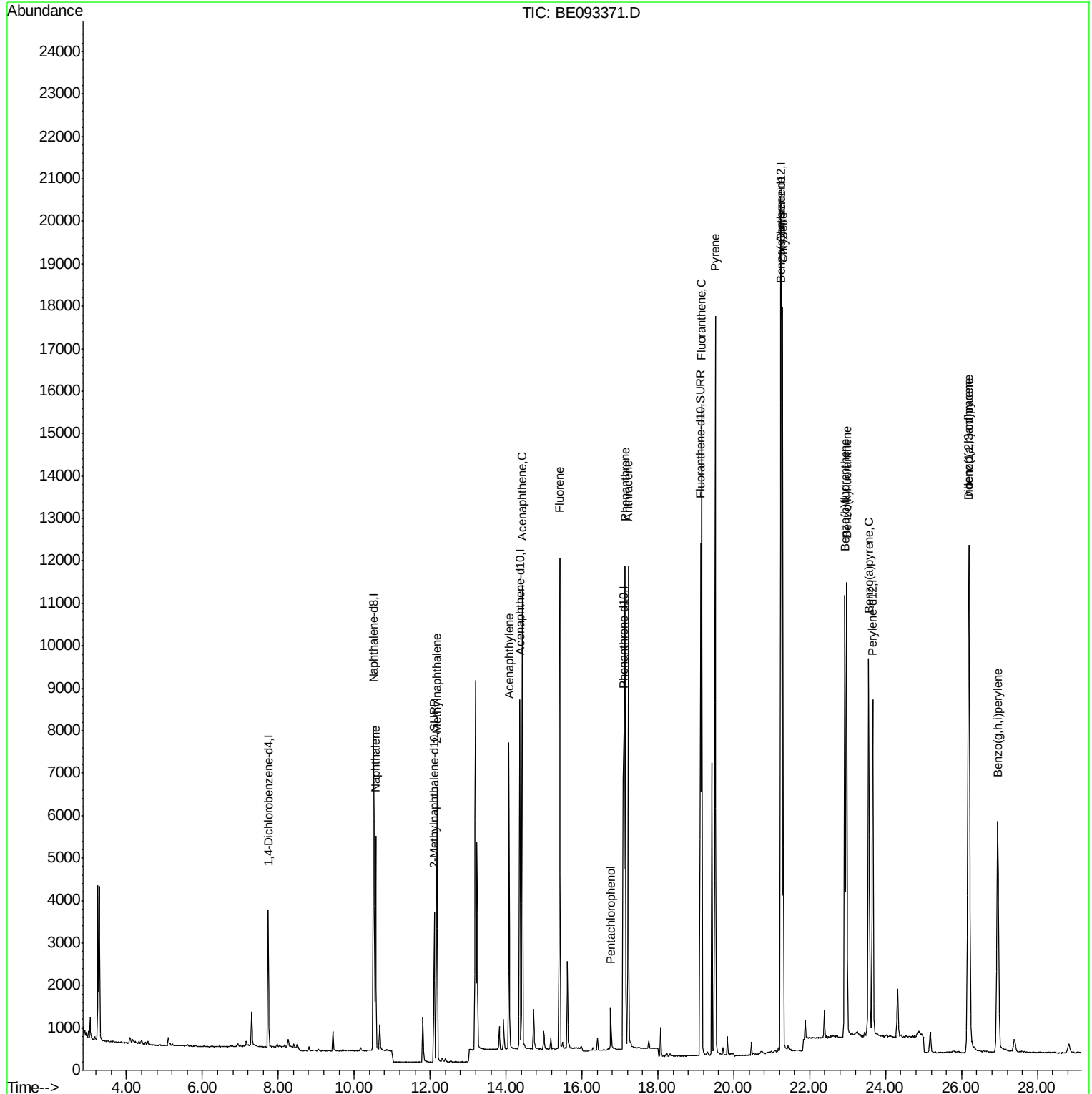
Quant Time: Jun 26 01:58:47 2017

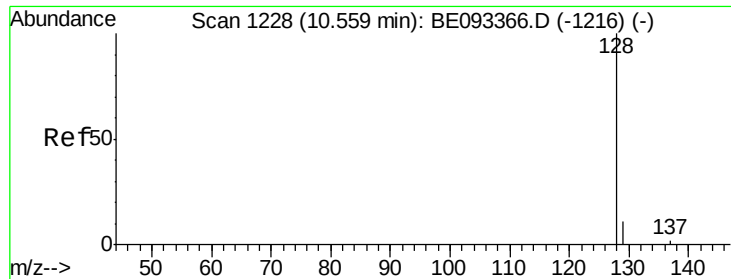
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093371.D

Acq: 24 Jun 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.426

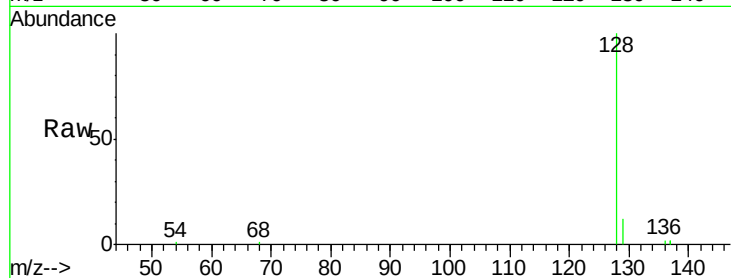
Tgt Ion:128 Resp: 7733

Ion Ratio Lower Upper

128 100

129 12.1 11.3 16.9

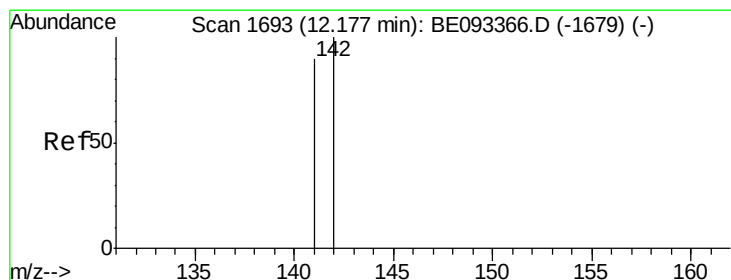
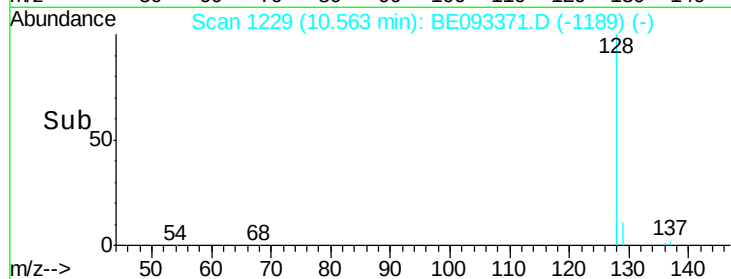
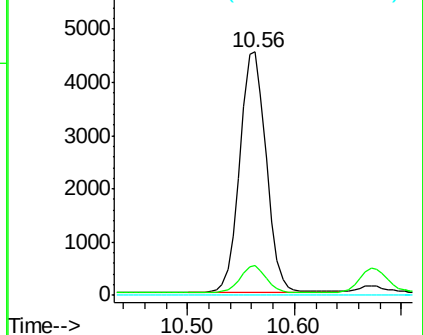
127 0.0 4.0 6.0#



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: 0.41 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. 0.00 min

Lab File: BE093371.D

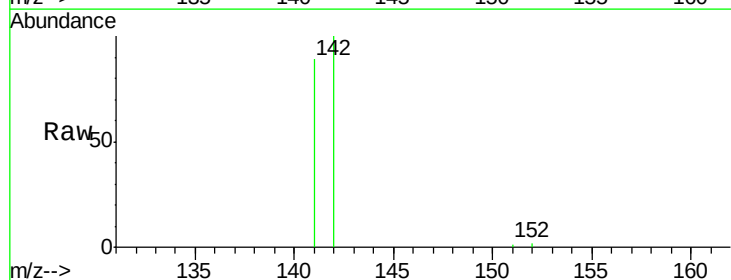
Acq: 24 Jun 2017 20:50

Tgt Ion:142 Resp: 5524

Ion Ratio Lower Upper

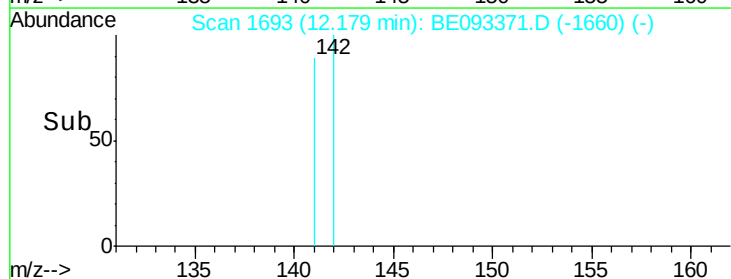
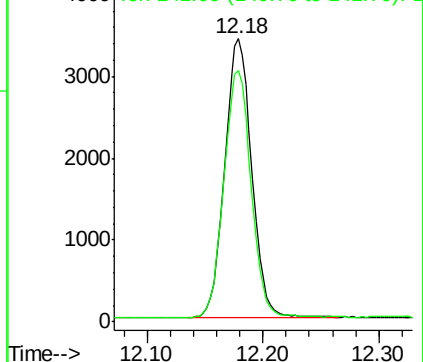
142 100

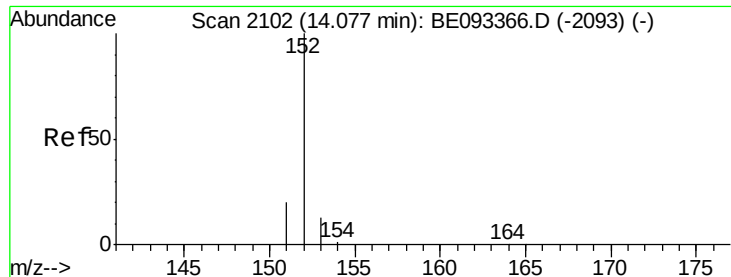
141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.42 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BE093371.D

Acq: 24 Jun 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.426

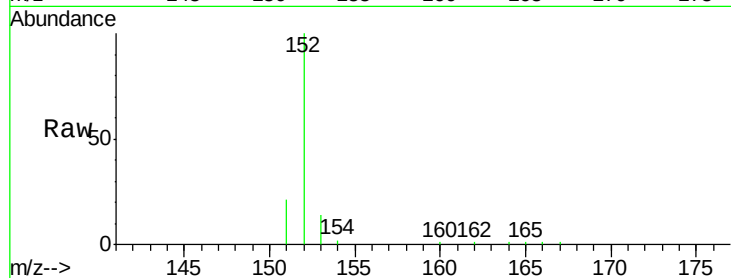
Tgt Ion:152 Resp: 8287

Ion Ratio Lower Upper

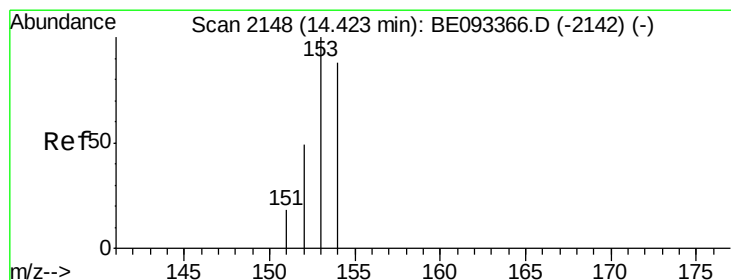
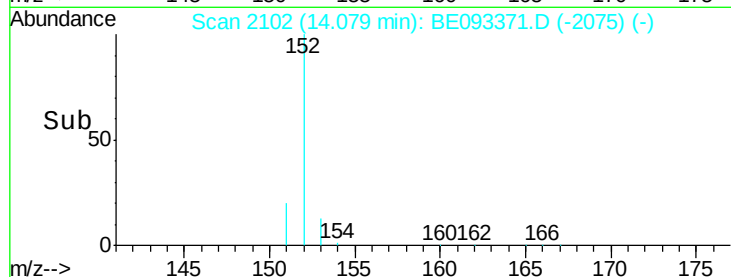
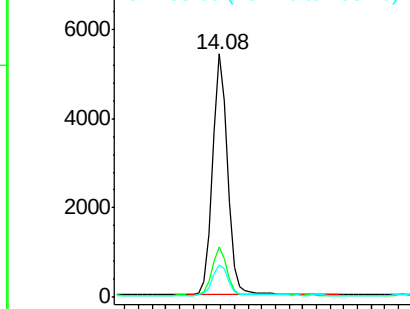
152 100

151 20.8 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: 0.39 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. 0.00 min

Lab File: BE093371.D

Acq: 24 Jun 2017 20:50

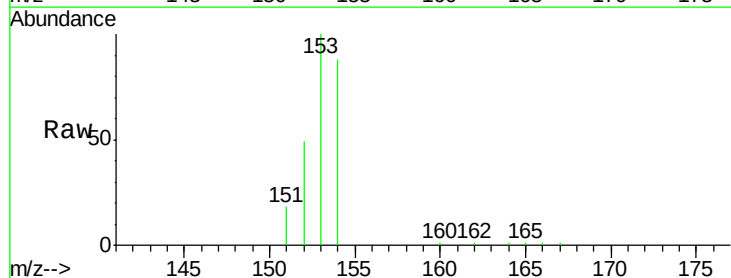
Tgt Ion:153 Resp: 6271

Ion Ratio Lower Upper

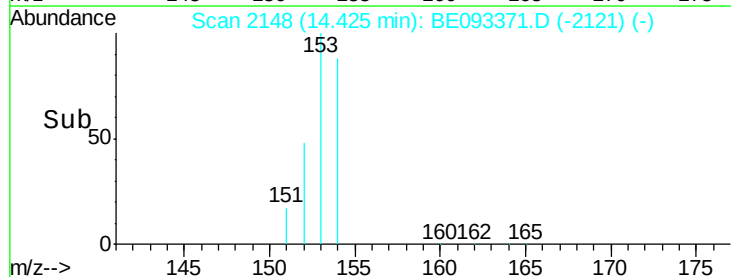
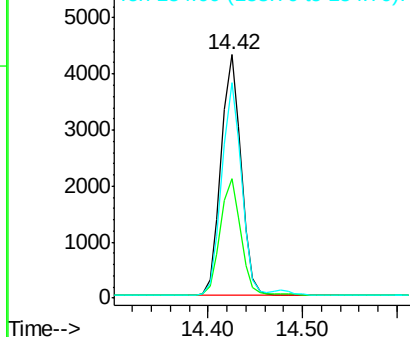
153 100

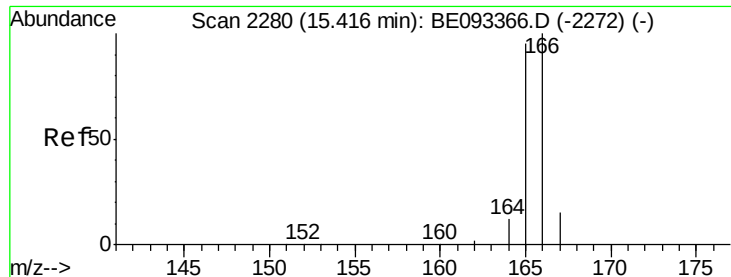
152 49.3 40.3 60.5

154 88.4 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: 0.39 ng/ul

RT: 15.41 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BE093371.D

Acq: 24 Jun 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.426

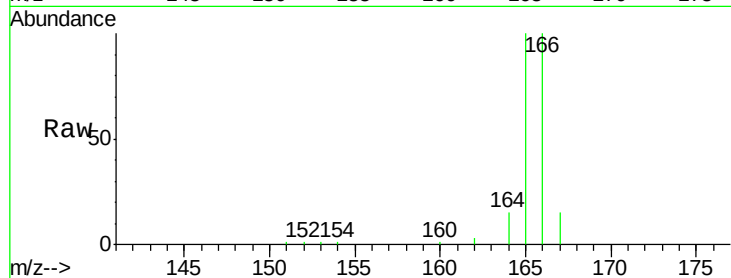
Tgt Ion:166 Resp: 7226

Ion Ratio Lower Upper

166 100

165 99.7 73.4 110.2

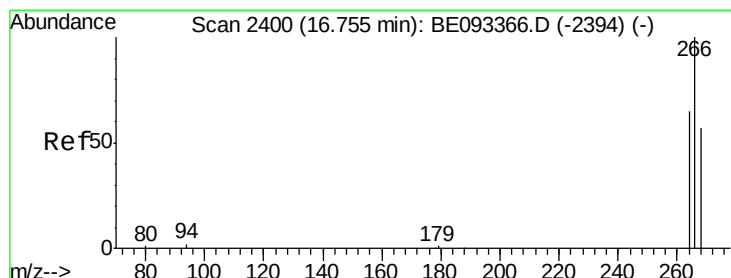
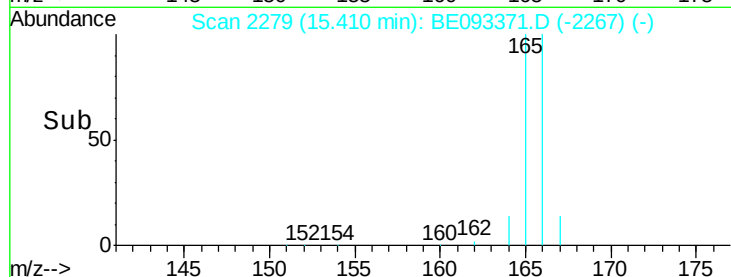
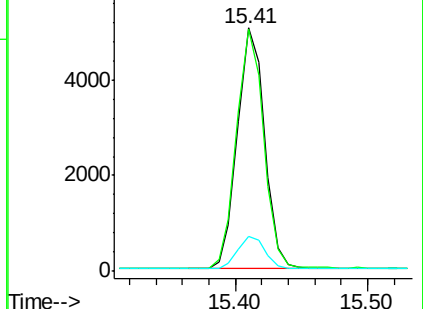
167 14.5 14.6 22.0#



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: 0.45 ng/ul

RT: 16.75 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BE093371.D

Acq: 24 Jun 2017 20:50

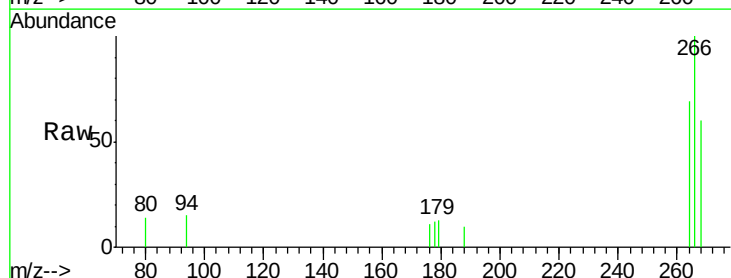
Tgt Ion:266 Resp: 779

Ion Ratio Lower Upper

266 100

264 63.0 47.9 71.9

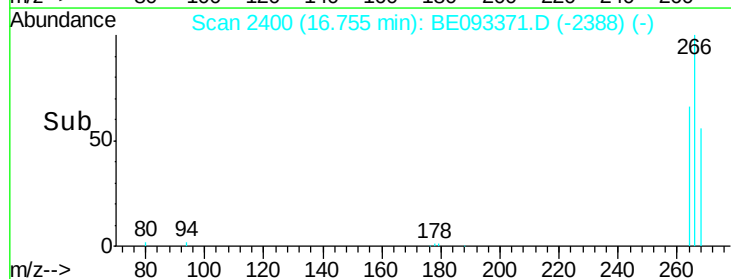
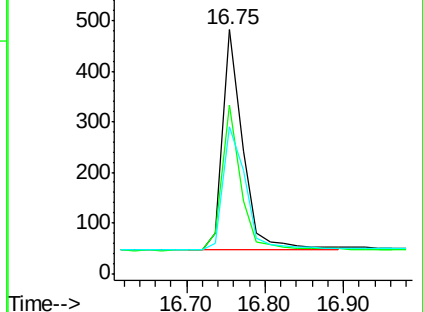
268 62.8 49.8 74.8

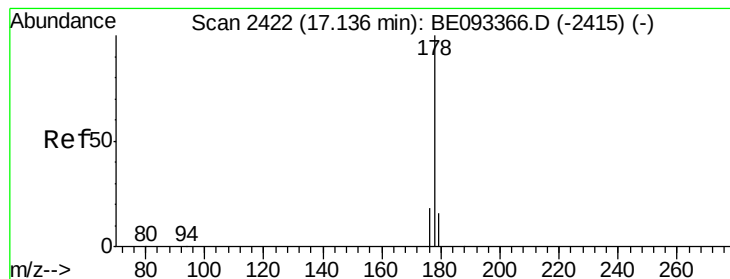


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.40 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093371.D

Acq: 24 Jun 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.426

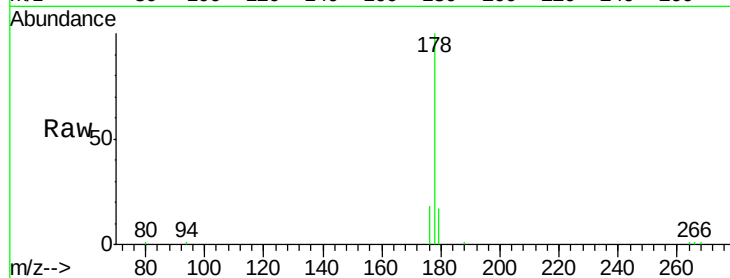
Tgt Ion:178 Resp: 12821

Ion Ratio Lower Upper

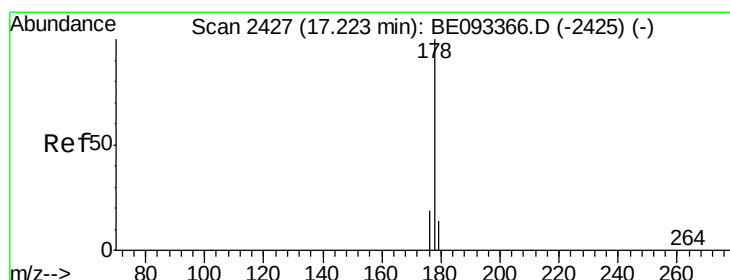
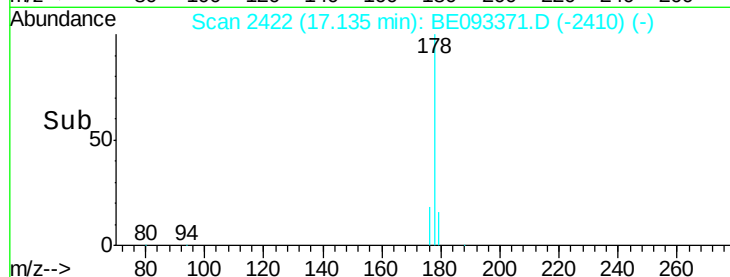
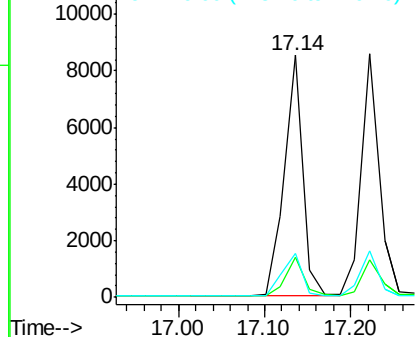
178 100

179 16.5 18.4 27.6#

176 18.1 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: BE093371.D

Acq: 24 Jun 2017 20:50

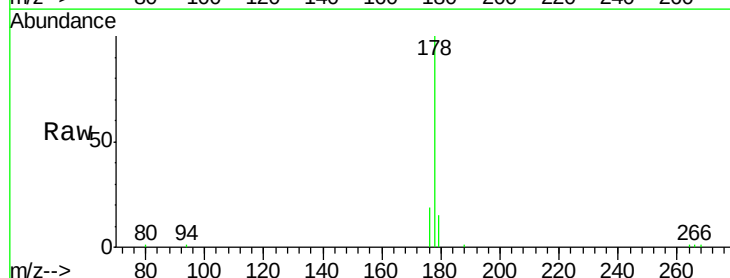
Tgt Ion:178 Resp: 12466

Ion Ratio Lower Upper

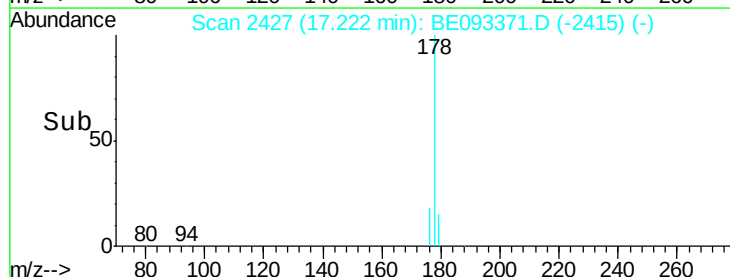
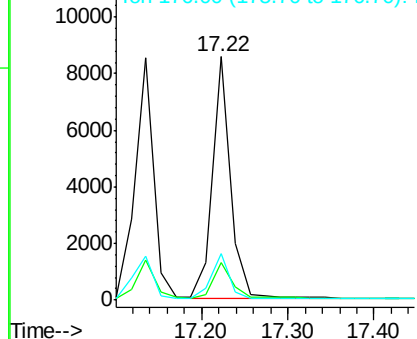
178 100

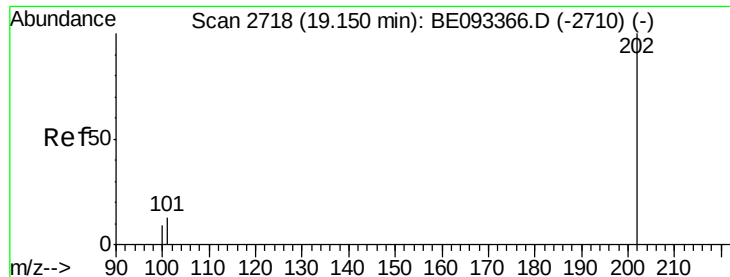
179 15.4 18.1 27.1#

176 18.9 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: 0.40 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093371.D

Acq: 24 Jun 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.426

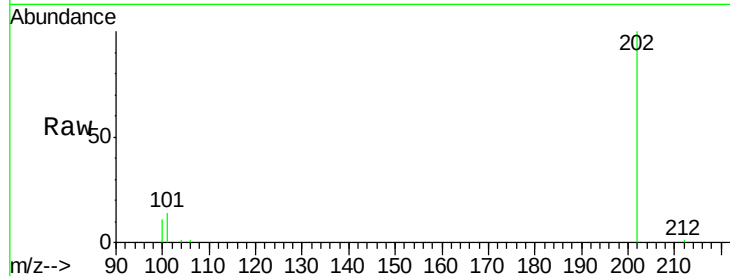
Tgt Ion:202 Resp: 15972

Ion Ratio Lower Upper

202 100

101 14.5 0.0 30.3

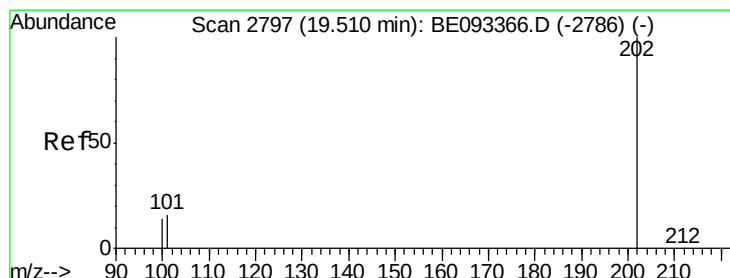
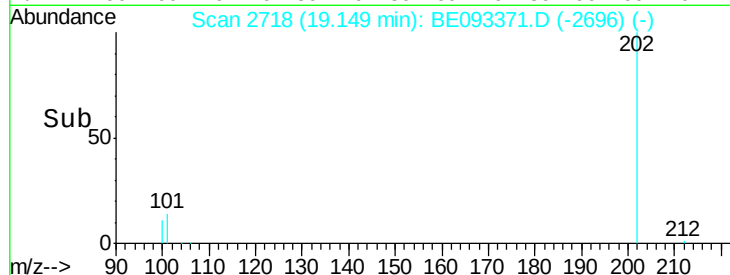
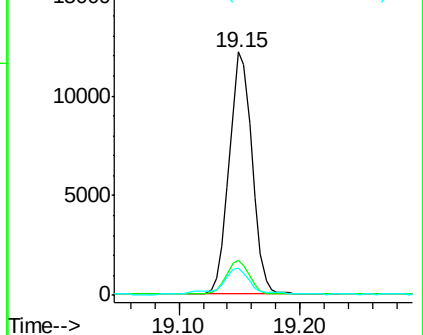
100 11.1 0.0 39.5



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: 0.44 ng/ul

RT: 19.51 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BE093371.D

Acq: 24 Jun 2017 20:50

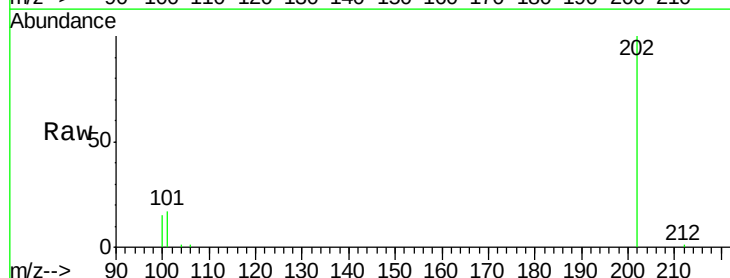
Tgt Ion:202 Resp: 17429

Ion Ratio Lower Upper

202 100

101 17.2 18.2 27.4#

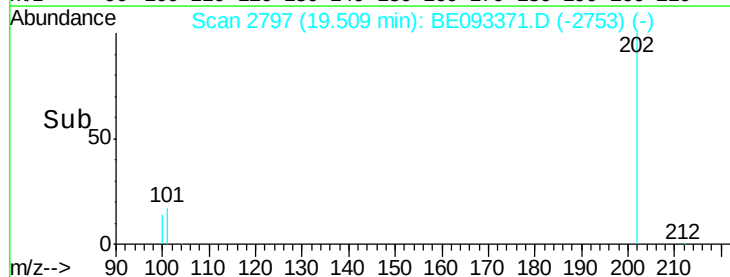
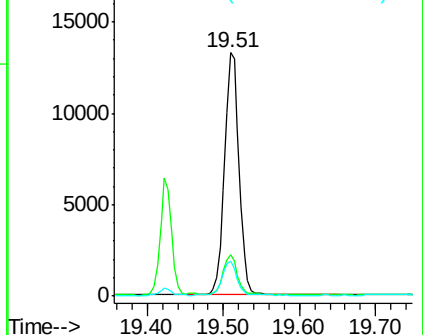
100 14.5 15.6 23.4#

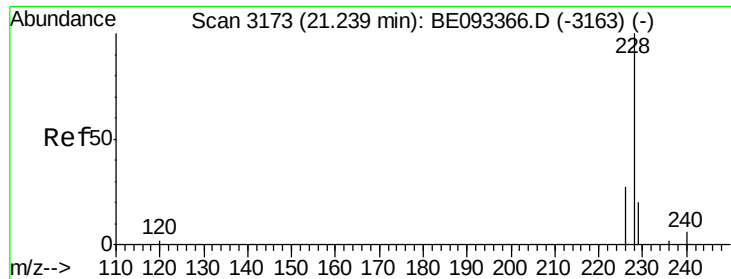


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.43 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093371.D

Acq: 24 Jun 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.426

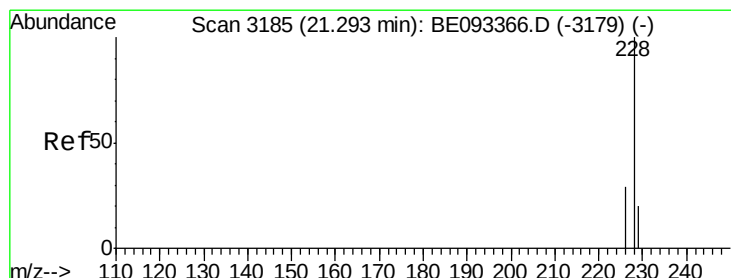
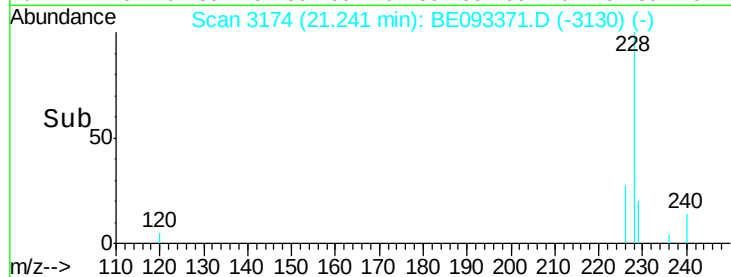
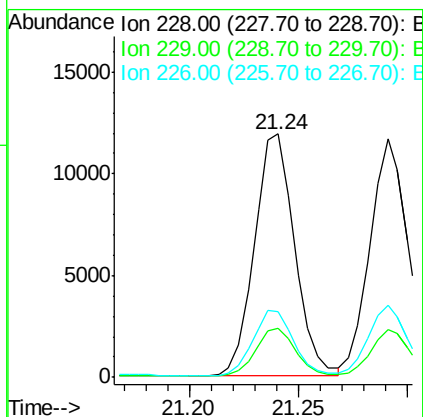
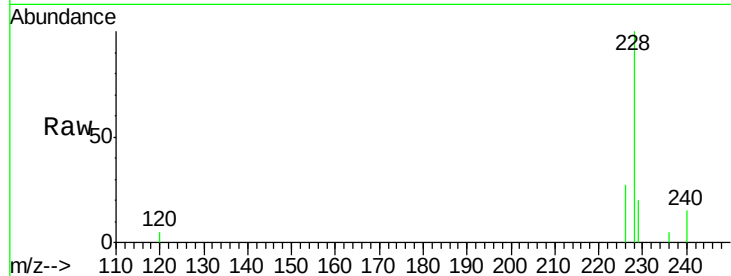
Tgt Ion:228 Resp: 15267

Ion Ratio Lower Upper

228 100

229 20.0 22.8 34.2#

226 27.2 17.0 25.6#



#19

Chrysene

Concen: 0.39 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093371.D

Acq: 24 Jun 2017 20:50

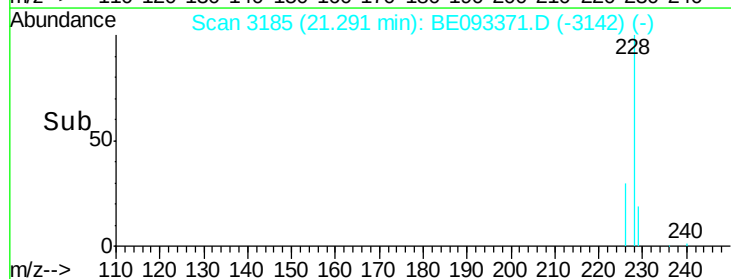
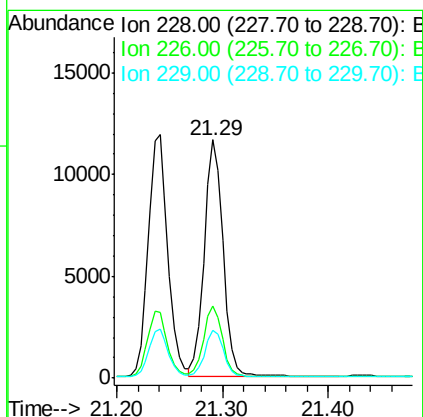
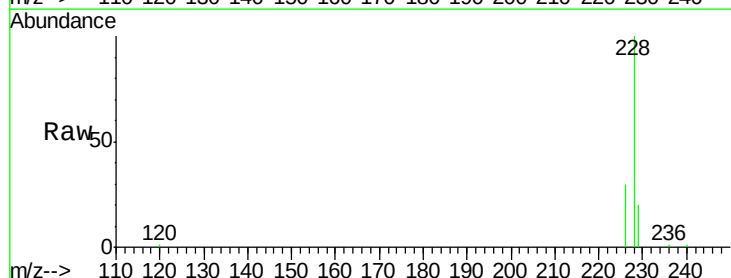
Tgt Ion:228 Resp: 14352

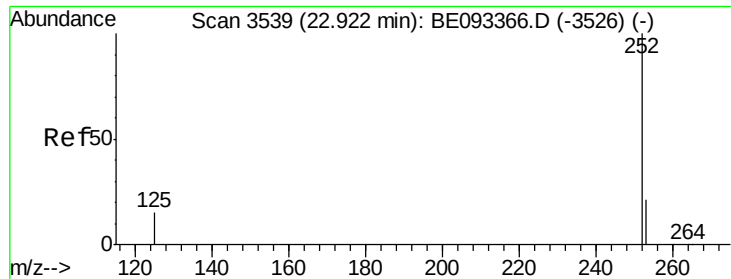
Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

229 20.0 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.41 ng/ul

RT: 22.92 min Scan# 3540

Delta R.T. -0.00 min

Lab File: BE093371.D

Acq: 24 Jun 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.426

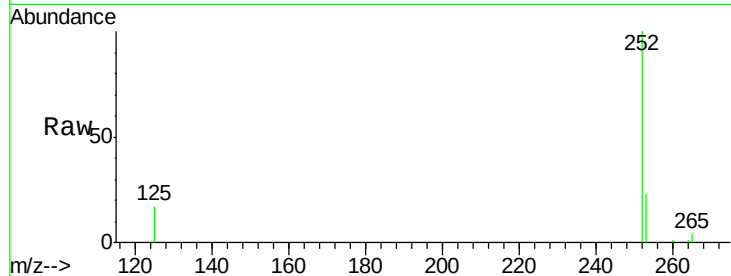
Tgt Ion:252 Resp: 13896

Ion Ratio Lower Upper

252 100

253 22.7 0.0 64.2

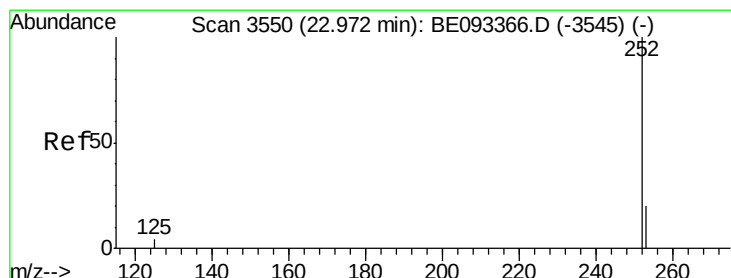
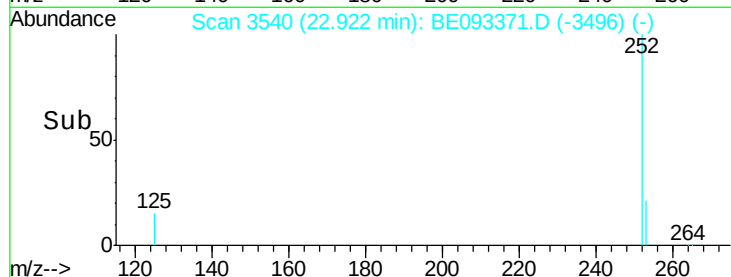
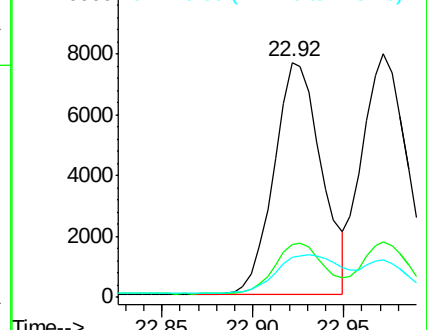
125 16.8 0.0 35.0



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: 22.97 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BE093371.D

Acq: 24 Jun 2017 20:50

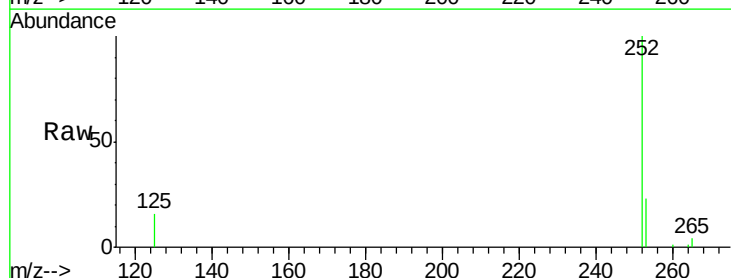
Tgt Ion:252 Resp: 13949

Ion Ratio Lower Upper

252 100

253 22.7 24.5 36.7#

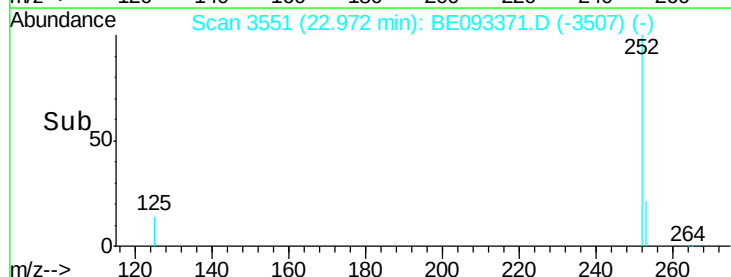
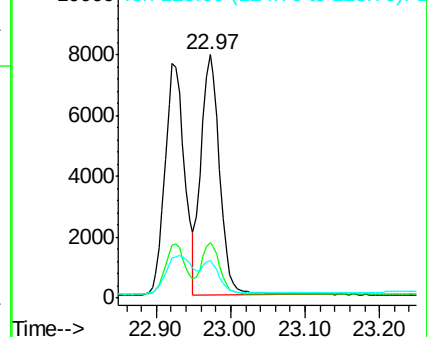
125 15.6 13.7 20.5

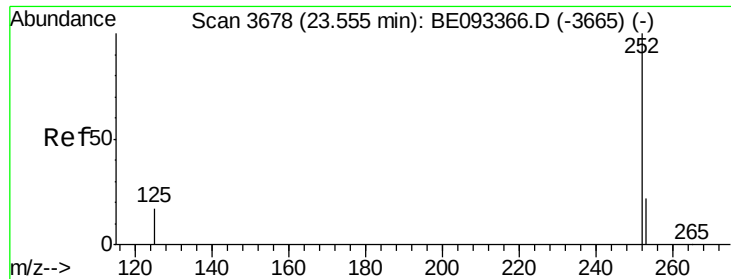


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.41 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BE093371.D

Acq: 24 Jun 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.426

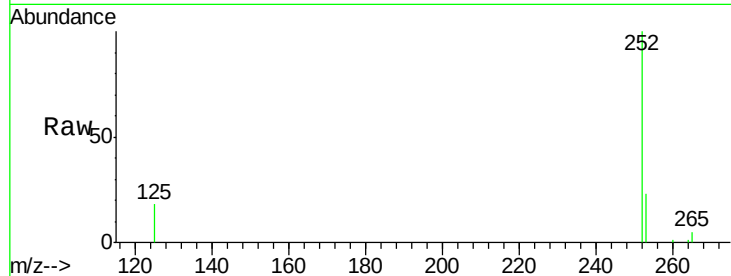
Tgt Ion:252 Resp: 13259

Ion Ratio Lower Upper

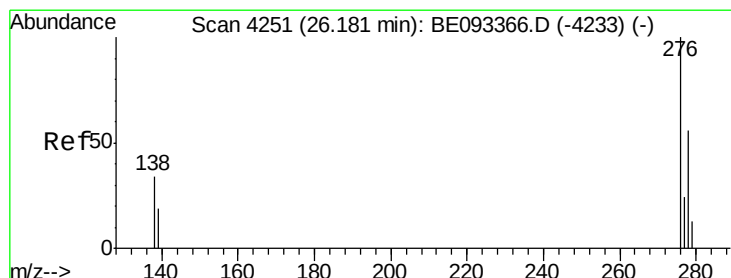
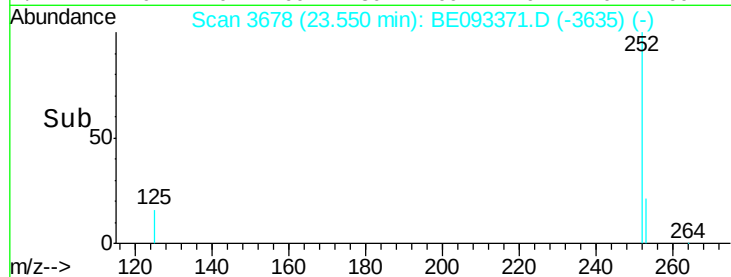
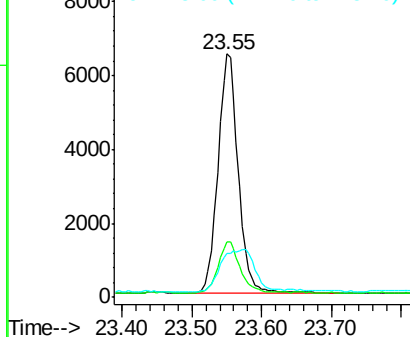
252 100

253 23.0 28.5 42.7#

125 18.1 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. -0.00 min

Lab File: BE093371.D

Acq: 24 Jun 2017 20:50

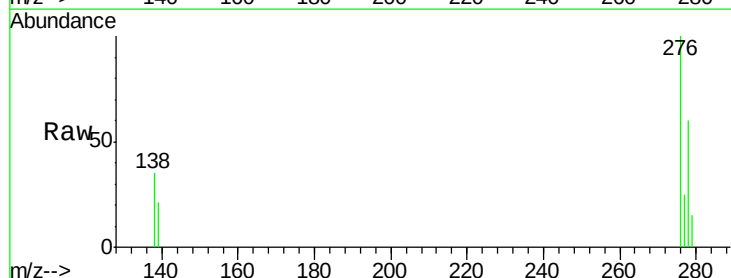
Tgt Ion:276 Resp: 15136

Ion Ratio Lower Upper

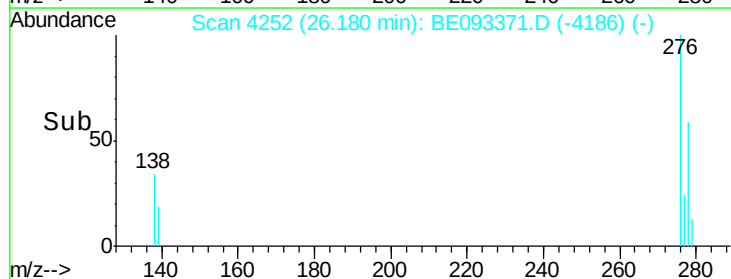
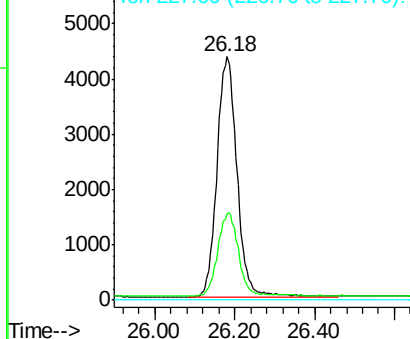
276 100

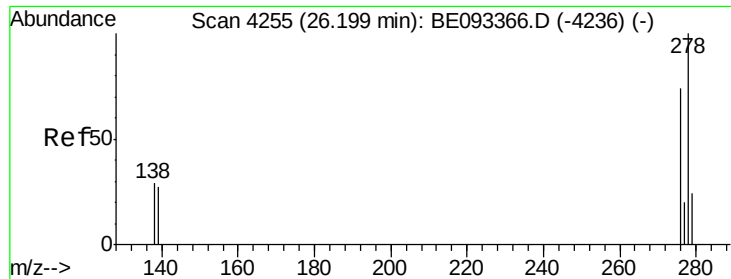
138 35.2 28.0 42.0

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

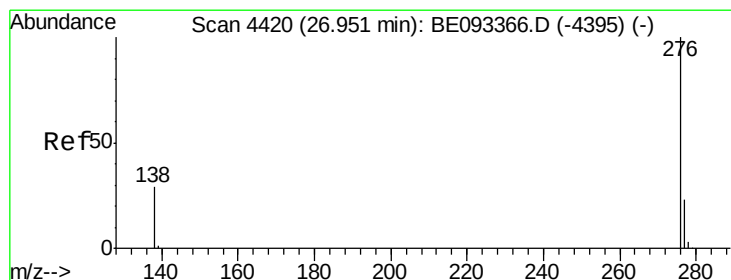
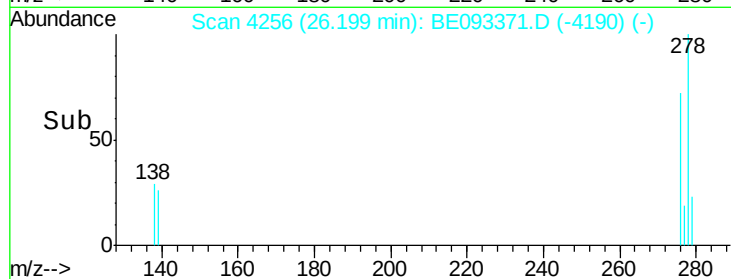
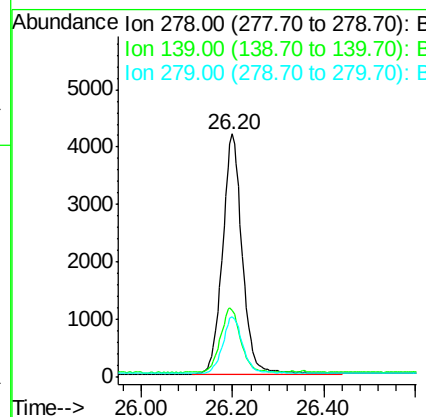
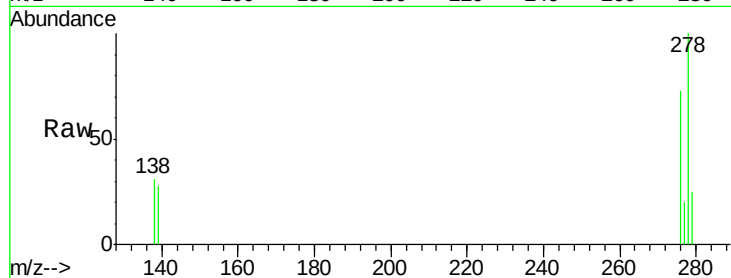




#25
Dibenzo(a,h)anthracene
Concen: 0.40 ng/ul
RT: 26.20 min Scan# 4256
Delta R.T. -0.00 min
Lab File: BE093371.D
Acq: 24 Jun 2017 20:50

Instrument :
BNA_E
ClientSampleId :
SSTD0.426

Tgt Ion:278 Resp: 12605
Ion Ratio Lower Upper
278 100
139 27.6 17.4 26.0#
279 24.9 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.39 ng/ul
RT: 26.96 min Scan# 4422
Delta R.T. 0.00 min
Lab File: BE093371.D
Acq: 24 Jun 2017 20:50

Tgt Ion:276 Resp: 12317
Ion Ratio Lower Upper
276 100
138 30.4 21.8 32.8
277 24.6 20.5 30.7

