

Data File : BE093351.D
Acq On : 23 Jun 2017 23:51
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.423

Quant Time: Jun 24 04:30:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 24 04:29:07 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1619	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	8880	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5160	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	12908	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13489	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11419	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	5513	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	13964	0.40	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.56	128	8702	0.39	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	6309	0.42	ng/ul	99
7) Acenaphthylene	14.08	152	9744	0.44	ng/ul	97
8) Acenaphthene	14.42	153	7070	0.40	ng/ul	99
9) Fluorene	15.41	166	8148	0.39	ng/ul	93
11) Pentachlorophenol	16.75	266	963	0.50	ng/ul	98
12) Phenanthrene	17.13	178	13932	0.39	ng/ul#	91
13) Anthracene	17.22	178	14066	0.45	ng/ul#	91
15) Fluoranthene	19.15	202	16646	0.38	ng/ul	84
17) Pyrene	19.51	202	17793	0.45	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	15771	0.44	ng/ul#	85
19) Chrysene	21.29	228	14532	0.39	ng/ul	96
21) Benzo(b)fluoranthene	22.93	252	14232	0.41	ng/ul	90
22) Benzo(k)fluoranthene	22.97	252	13939	0.38	ng/ul#	91
23) Benzo(a)pyrene	23.55	252	13759	0.42	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.18	276	15363	0.40	ng/ul#	94
25) Dibenzo(a,h)anthracene	26.19	278	12697	0.40	ng/ul#	84
26) Benzo(g,h,i)perylene	26.95	276	12491	0.38	ng/ul	95

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

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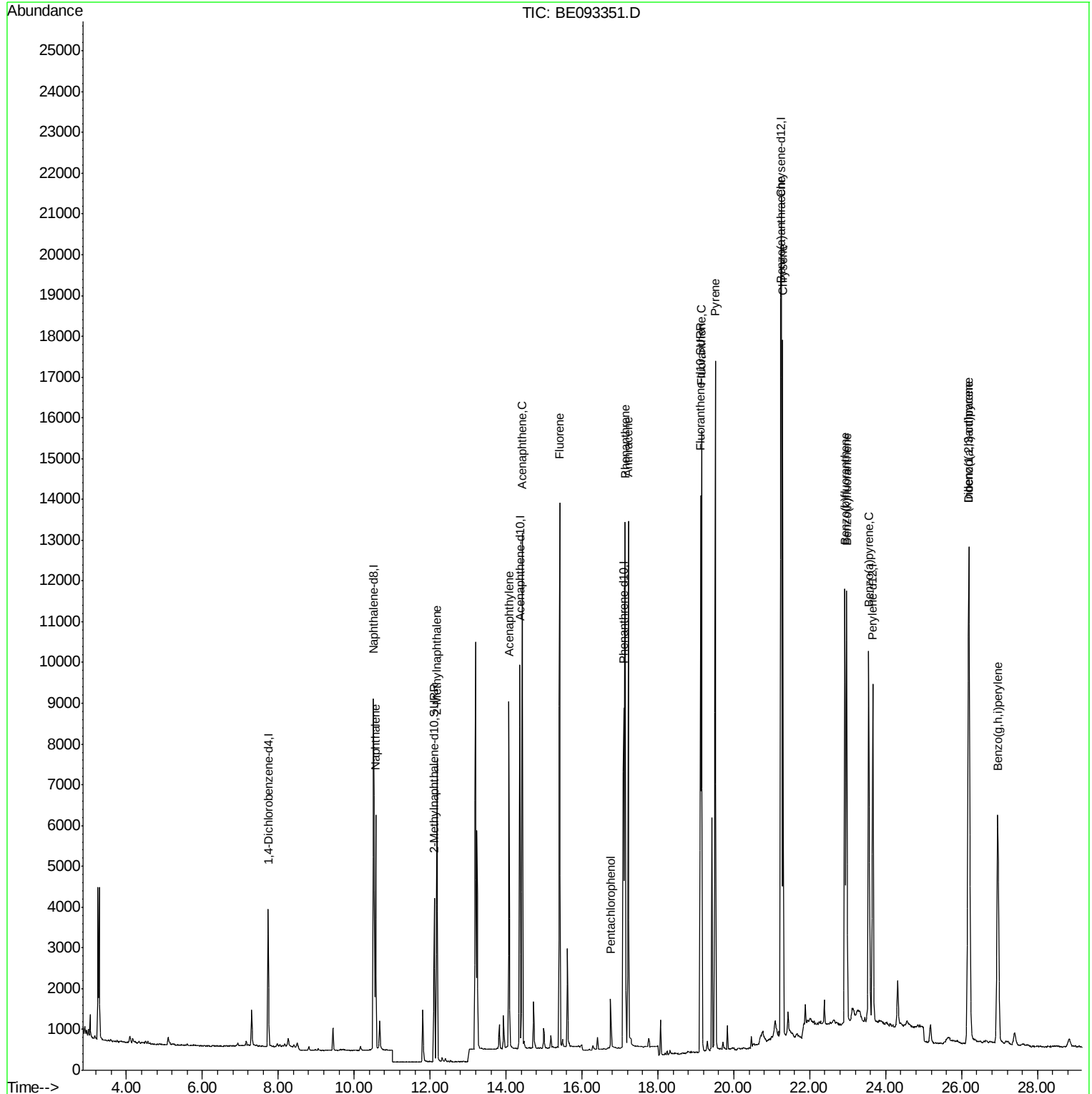
Quant Time: Jun 24 04:30:32 2017

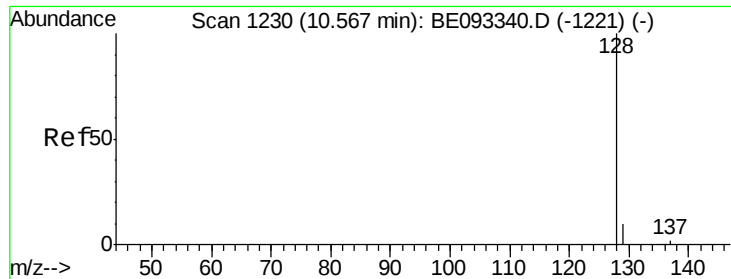
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Jun 24 04:29:07 2017

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093351.D

Acq: 23 Jun 2017 23:51

Instrument :

BNA_E

ClientSampleId :

SSTD0.423

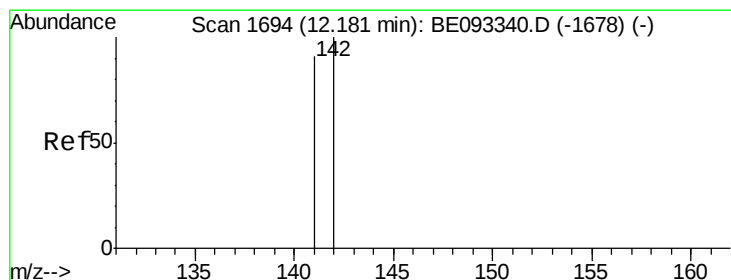
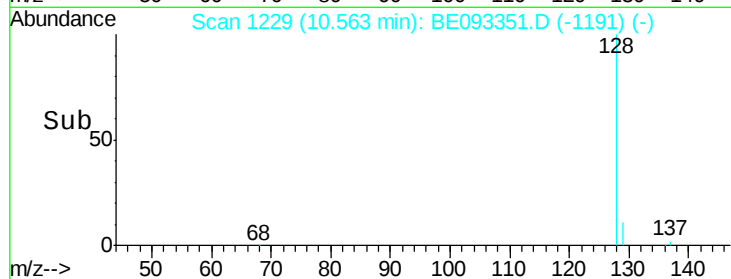
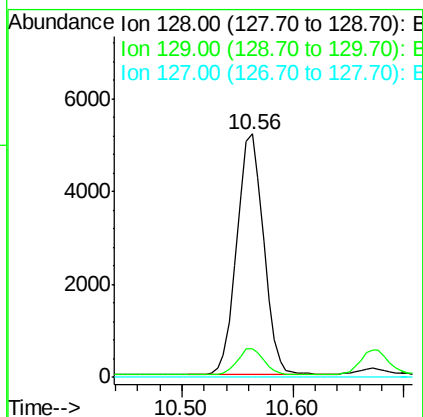
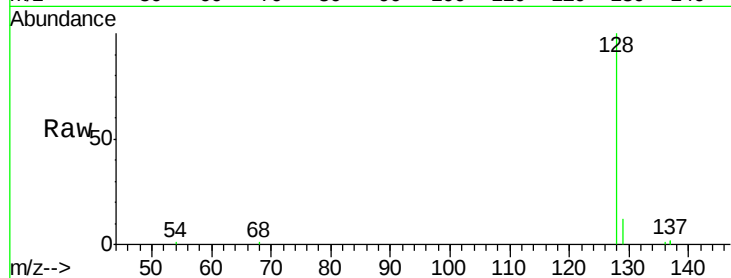
Tgt Ion:128 Resp: 8702

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.42 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BE093351.D

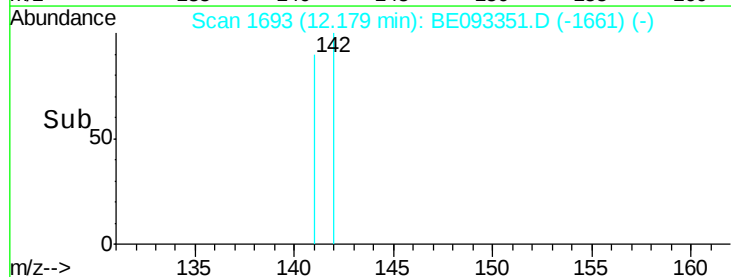
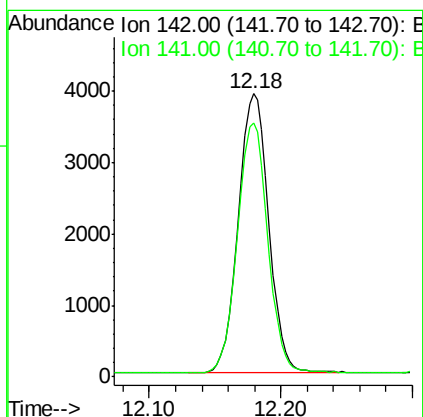
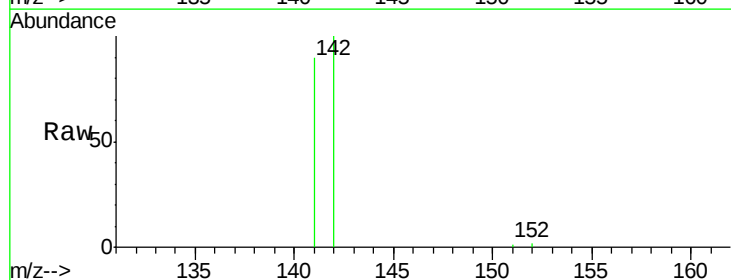
Acq: 23 Jun 2017 23:51

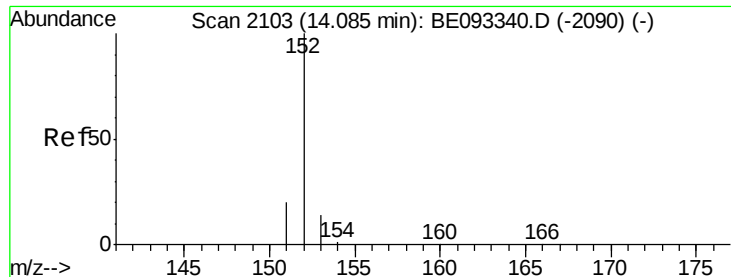
Tgt Ion:142 Resp: 6309

Ion Ratio Lower Upper

142 100

141 89.6 72.6 108.8





#7

Acenaphthylene

Concen: 0.44 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BE093351.D

Acq: 23 Jun 2017 23:51

Instrument :

BNA_E

ClientSampleId :

SSTD0.423

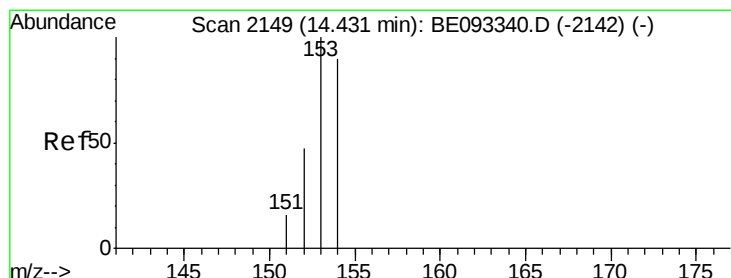
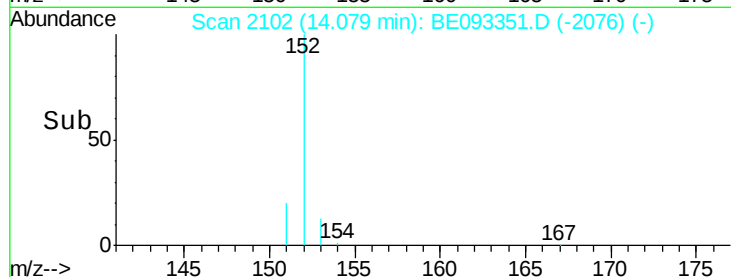
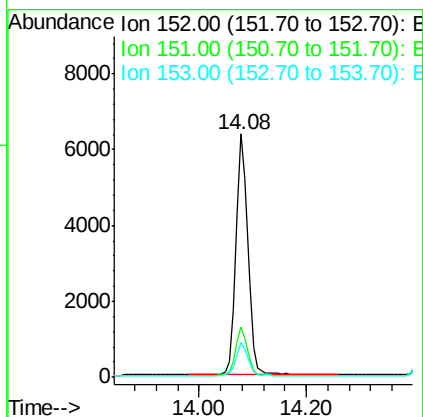
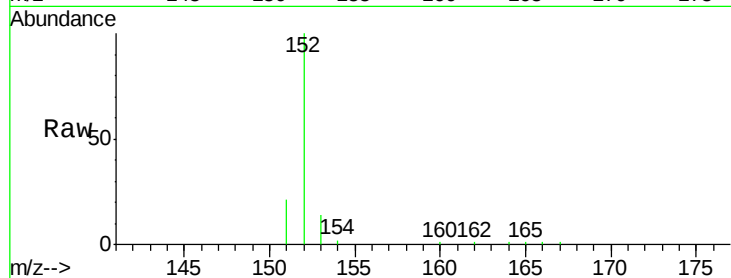
Tgt Ion:152 Resp: 9744

Ion Ratio Lower Upper

152 100

151 20.6 17.1 25.7

153 14.2 12.8 19.2



#8

Acenaphthene

Concen: 0.40 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BE093351.D

Acq: 23 Jun 2017 23:51

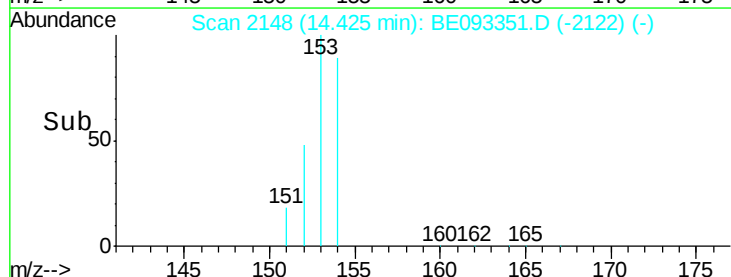
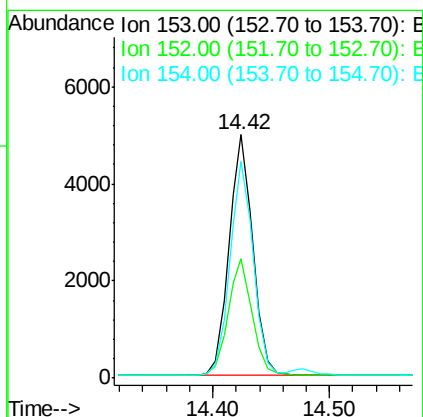
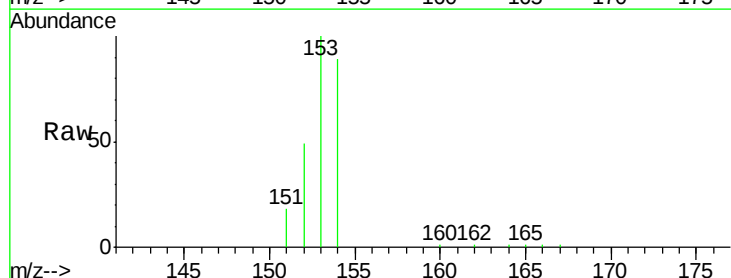
Tgt Ion:153 Resp: 7070

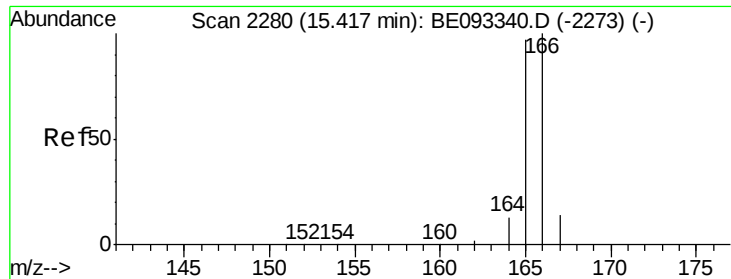
Ion Ratio Lower Upper

153 100

152 48.8 40.3 60.5

154 88.8 71.4 107.2





#9

Fluorene

Concen: 0.39 ng/ul

RT: 15.41 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BE093351.D

Acq: 23 Jun 2017 23:51

Instrument :

BNA_E

ClientSampleId :

SSTD0.423

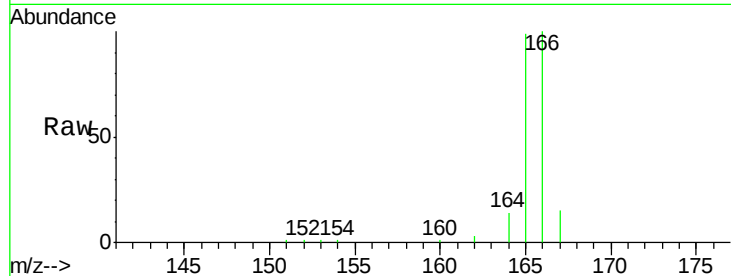
Tgt Ion:166 Resp: 8148

Ion Ratio Lower Upper

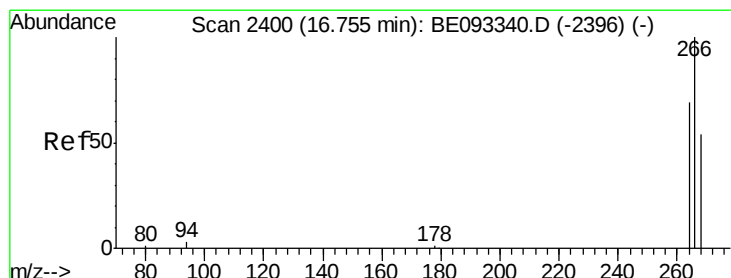
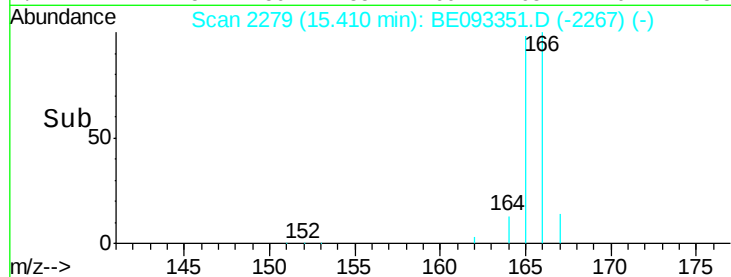
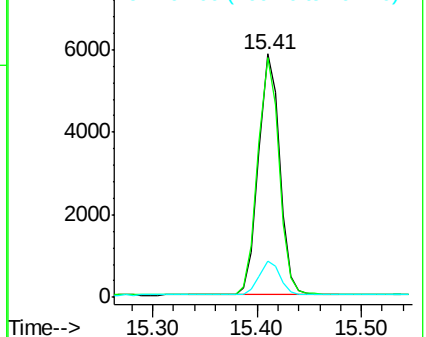
166 100

165 98.6 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: 0.50 ng/ul

RT: 16.75 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BE093351.D

Acq: 23 Jun 2017 23:51

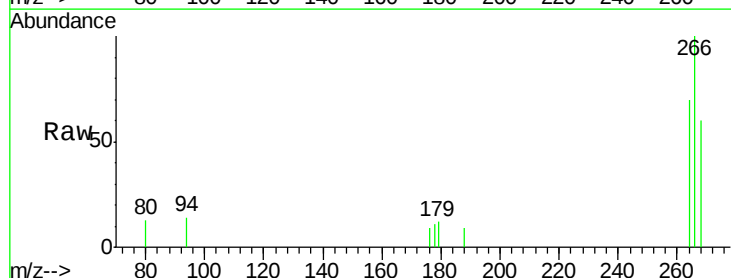
Tgt Ion:266 Resp: 963

Ion Ratio Lower Upper

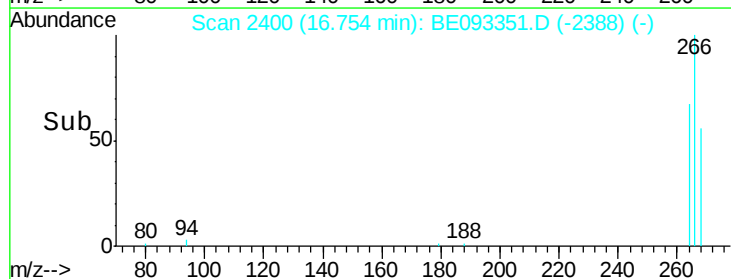
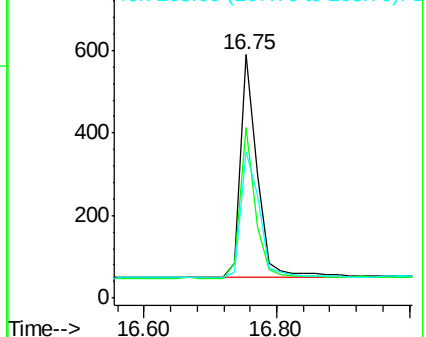
266 100

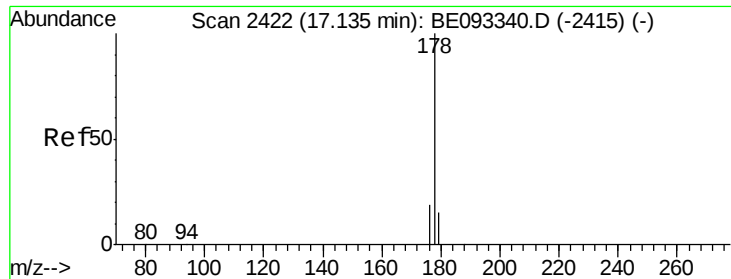
264 62.0 47.9 71.9

268 63.3 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

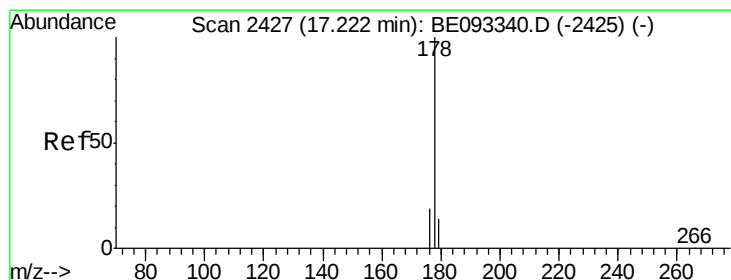
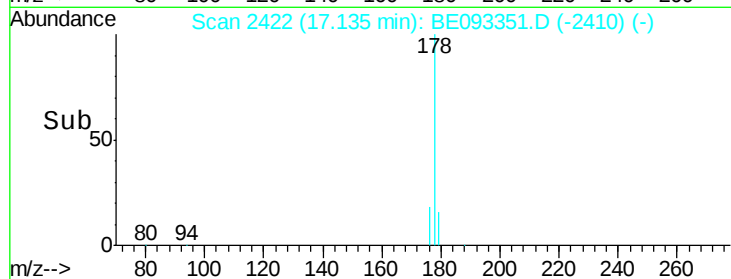
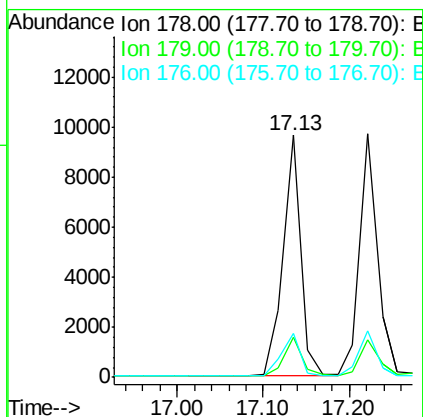
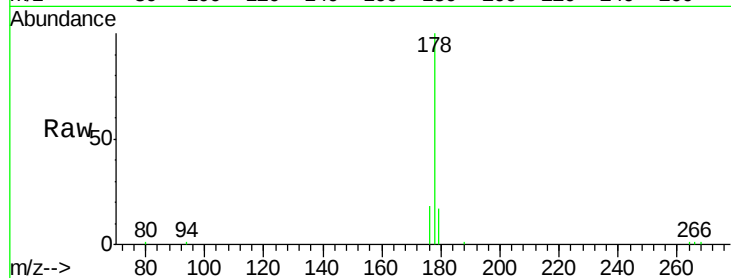




#12
 Phenanthrene
 Concen: 0.39 ng/ul
 RT: 17.13 min Scan# 2422
 Delta R.T. -0.00 min
 Lab File: BE093351.D
 Acq: 23 Jun 2017 23:51

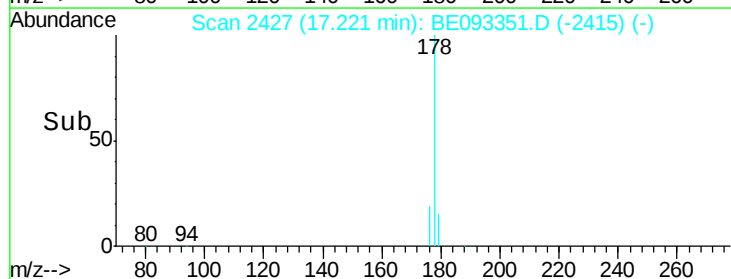
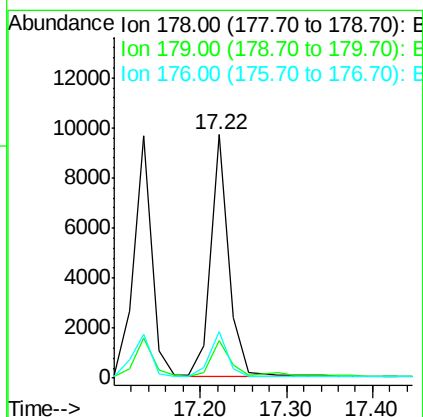
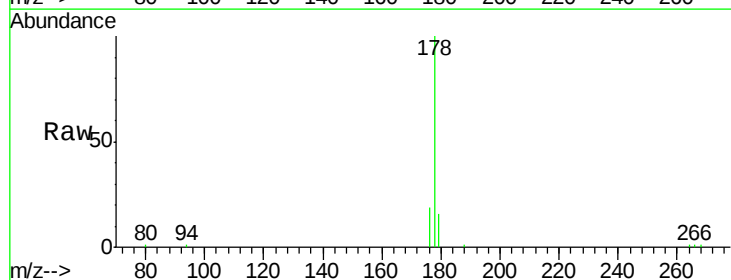
Instrument :
 BNA_E
 ClientSampleId :
 SST0.423

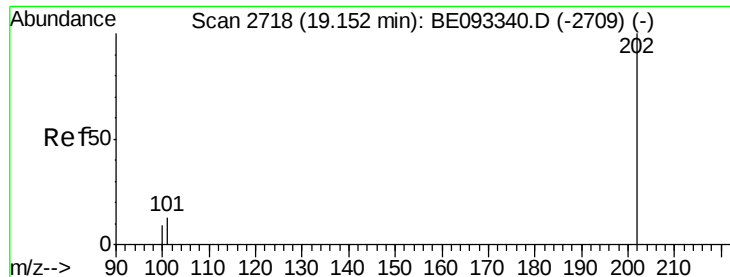
Tgt Ion:178 Resp: 13932
 Ion Ratio Lower Upper
 178 100
 179 16.6 18.4 27.6#
 176 18.3 13.6 20.4



#13
 Anthracene
 Concen: 0.45 ng/ul
 RT: 17.22 min Scan# 2427
 Delta R.T. -0.00 min
 Lab File: BE093351.D
 Acq: 23 Jun 2017 23:51

Tgt Ion:178 Resp: 14066
 Ion Ratio Lower Upper
 178 100
 179 15.5 18.1 27.1#
 176 19.0 14.7 22.1





#15

Fluoranthene

Concen: 0.38 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE093351.D

Acq: 23 Jun 2017 23:51

Instrument :

BNA_E

ClientSampleId :

SSTD0.423

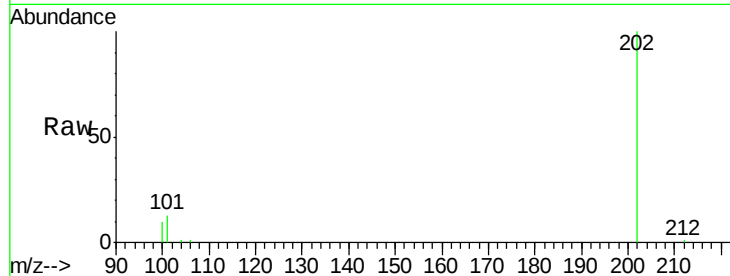
Tgt Ion:202 Resp: 16646

Ion Ratio Lower Upper

202 100

101 13.4 0.0 30.3

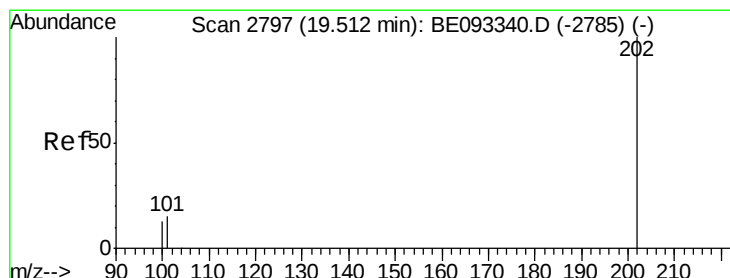
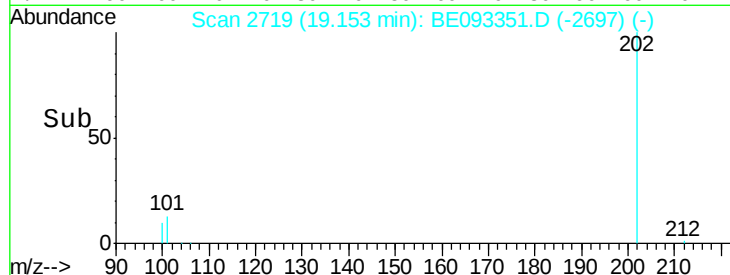
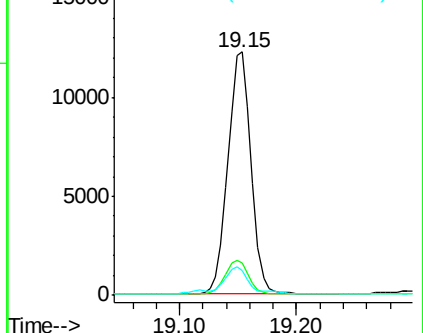
100 10.1 0.0 39.5



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: 0.45 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093351.D

Acq: 23 Jun 2017 23:51

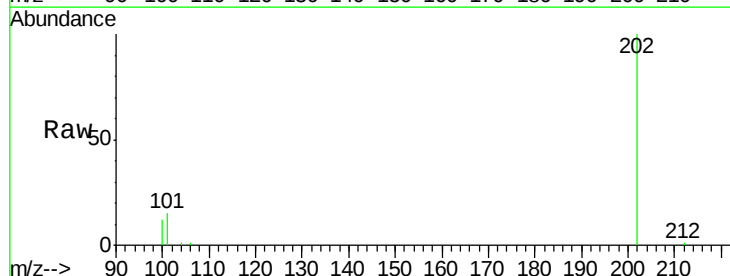
Tgt Ion:202 Resp: 17793

Ion Ratio Lower Upper

202 100

101 15.1 18.2 27.4#

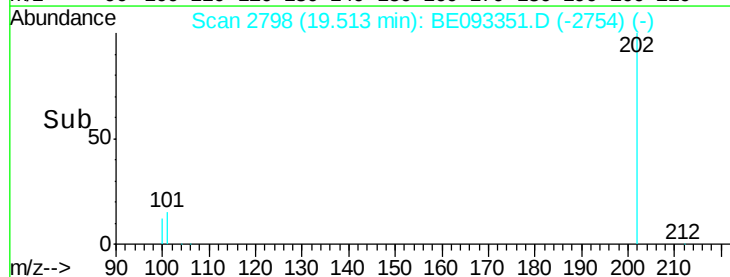
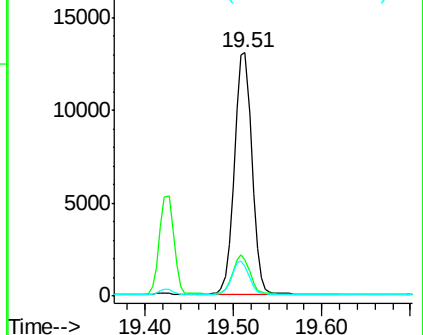
100 12.1 15.6 23.4#

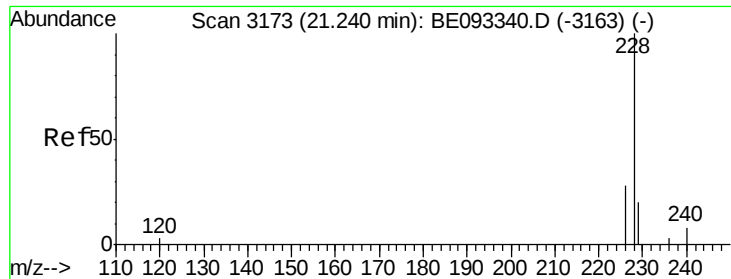


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

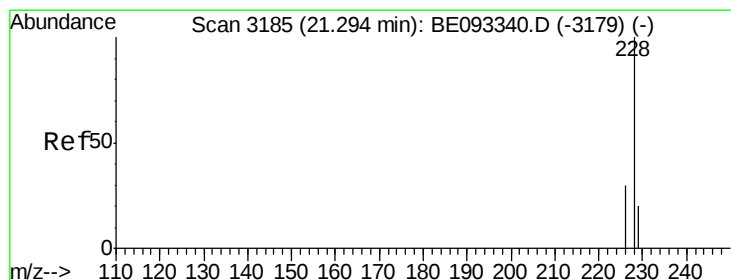
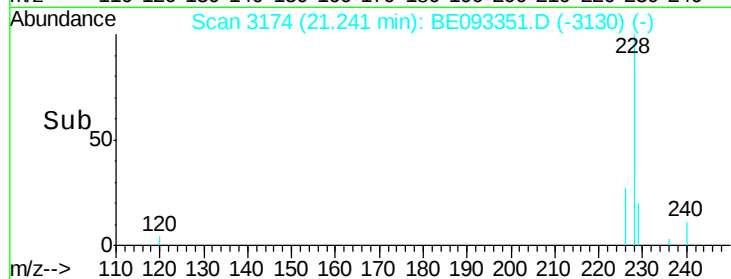
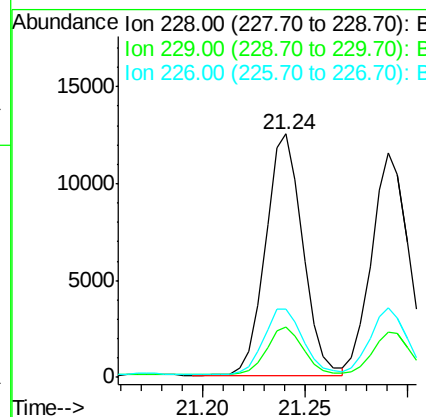
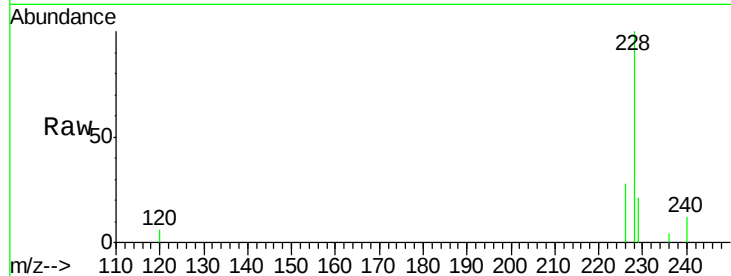




#18
Benzo(a)anthracene
Concen: 0.44 ng/ul
RT: 21.24 min Scan# 3174
Delta R.T. 0.00 min
Lab File: BE093351.D
Acq: 23 Jun 2017 23:51

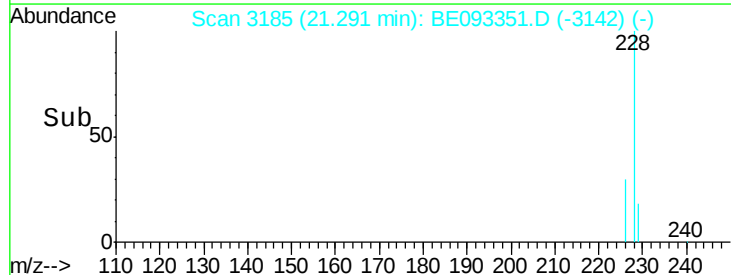
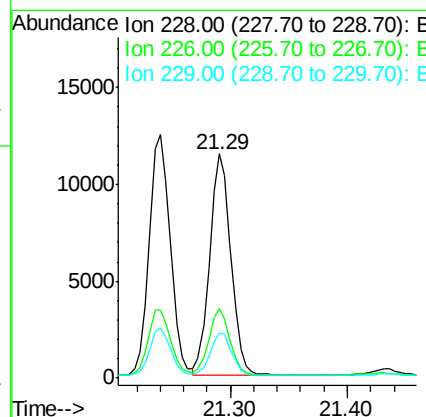
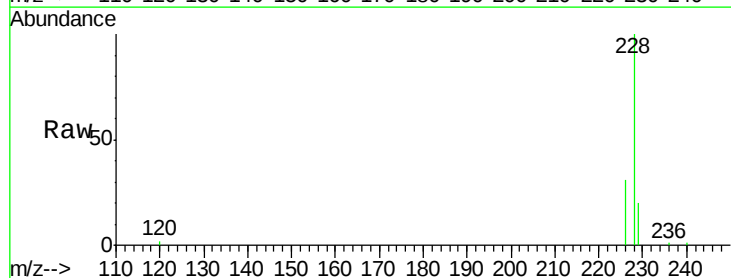
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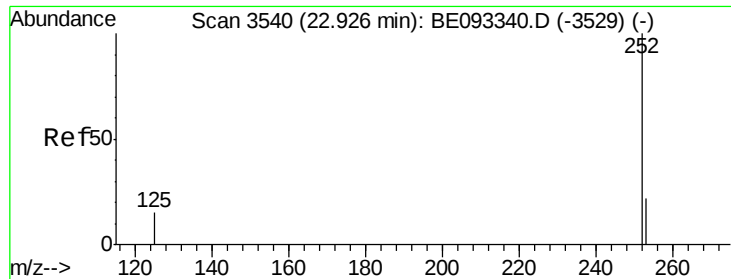
Tgt Ion:228 Resp: 15771
Ion Ratio Lower Upper
228 100
229 20.6 22.8 34.2#
226 28.1 17.0 25.6#



#19
Chrysene
Concen: 0.39 ng/ul
RT: 21.29 min Scan# 3185
Delta R.T. -0.00 min
Lab File: BE093351.D
Acq: 23 Jun 2017 23:51

Tgt Ion:228 Resp: 14532
Ion Ratio Lower Upper
228 100
226 30.8 23.4 35.0
229 19.9 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.41 ng/u1

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093351.D

Acq: 23 Jun 2017 23:51

Instrument :

BNA_E

ClientSampleId :

SSTD0.423

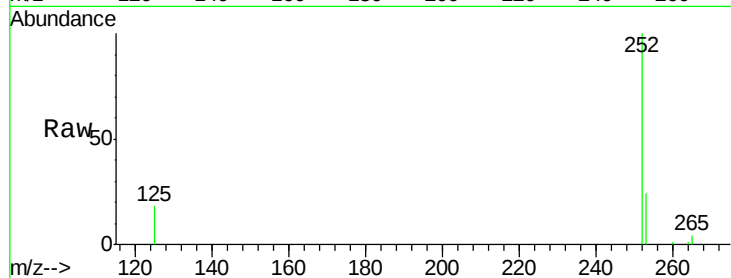
Tgt Ion:252 Resp: 14232

Ion Ratio Lower Upper

252 100

253 24.0 0.0 64.2

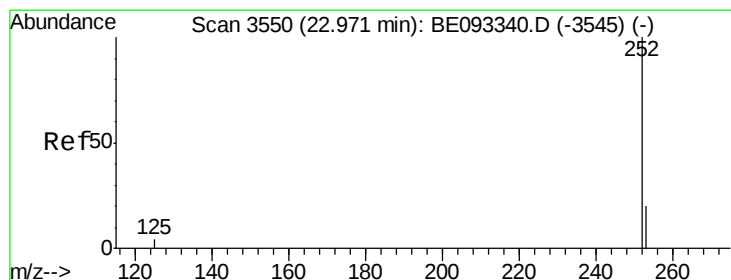
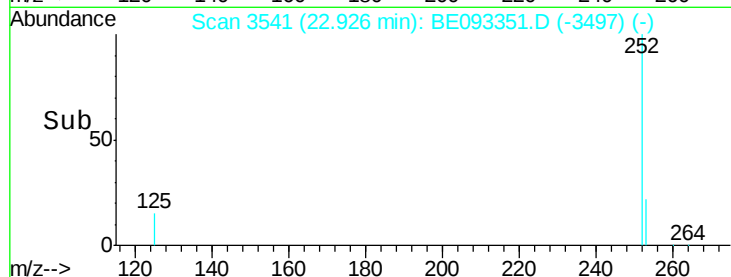
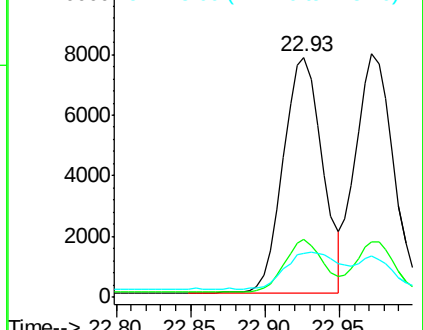
125 18.3 0.0 35.0



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: 0.38 ng/u1

RT: 22.97 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE093351.D

Acq: 23 Jun 2017 23:51

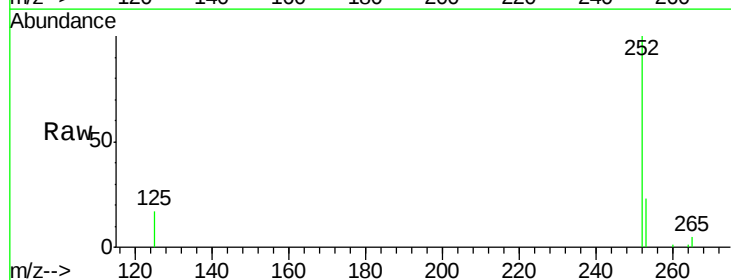
Tgt Ion:252 Resp: 13939

Ion Ratio Lower Upper

252 100

253 22.8 24.5 36.7#

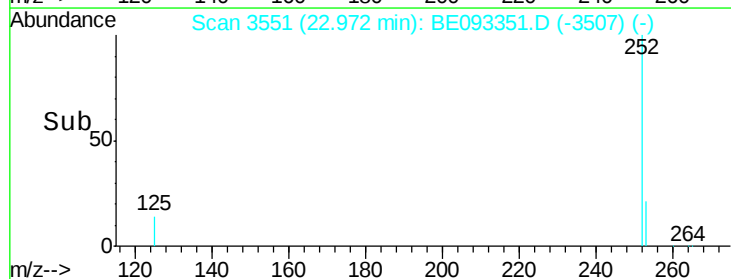
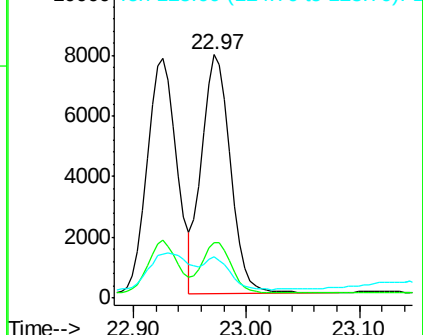
125 17.0 13.7 20.5

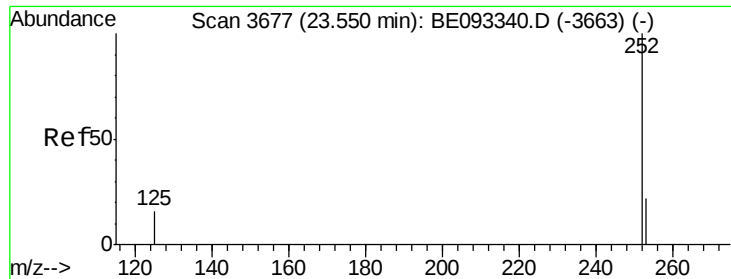


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.42 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BE093351.D

Acq: 23 Jun 2017 23:51

Instrument :

BNA_E

ClientSampleId :

SSTD0.423

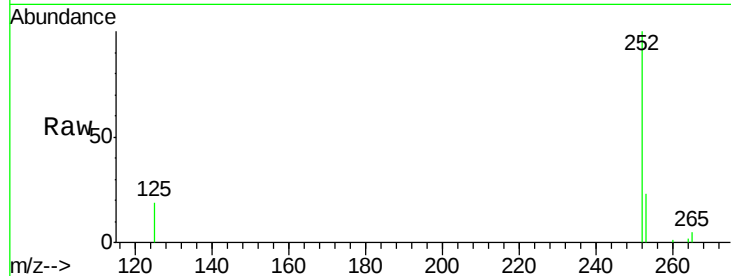
Tgt Ion:252 Resp: 13759

Ion Ratio Lower Upper

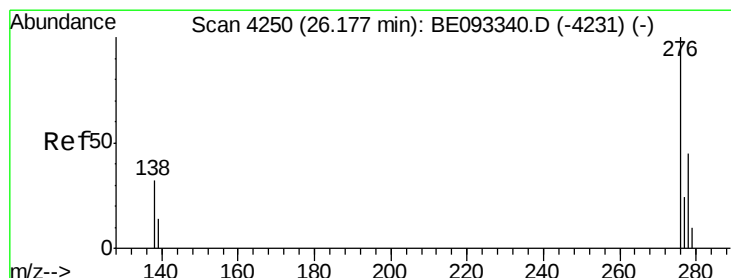
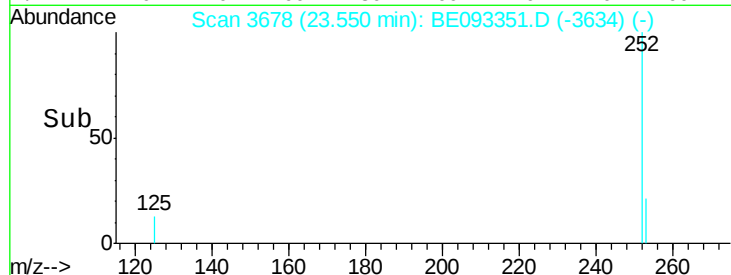
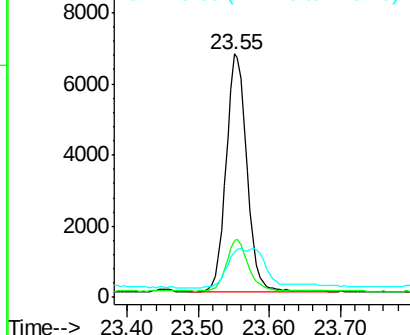
252 100

253 23.1 28.5 42.7#

125 18.6 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: 0.40 ng/ul

RT: 26.18 min Scan# 4252

Delta R.T. 0.00 min

Lab File: BE093351.D

Acq: 23 Jun 2017 23:51

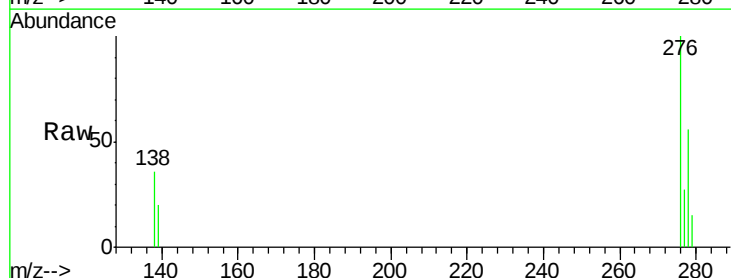
Tgt Ion:276 Resp: 15363

Ion Ratio Lower Upper

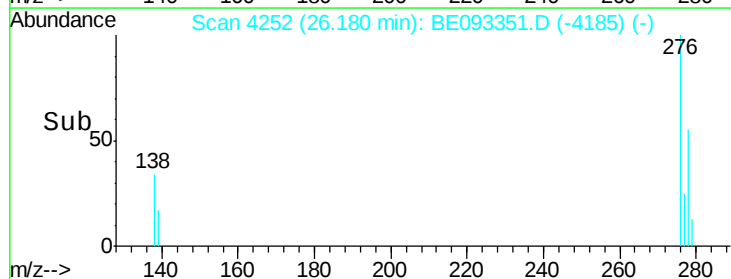
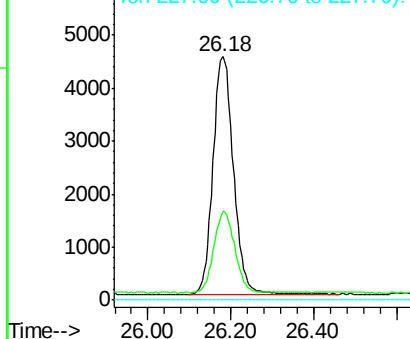
276 100

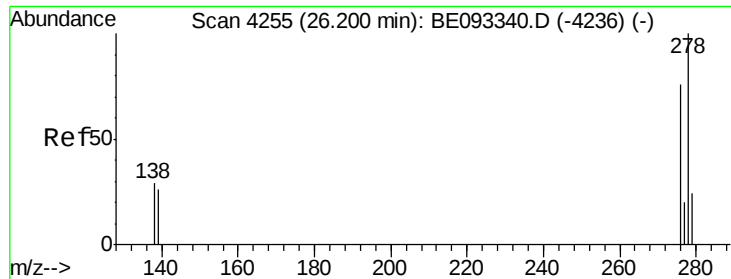
138 34.7 28.0 42.0

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: 26.19 min Scan# 4255

Delta R.T. -0.01 min

Lab File: BE093351.D

Acq: 23 Jun 2017 23:51

Instrument :

BNA_E

ClientSampleId :

SSTD0.423

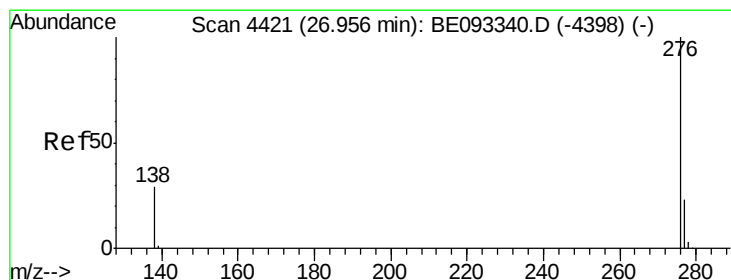
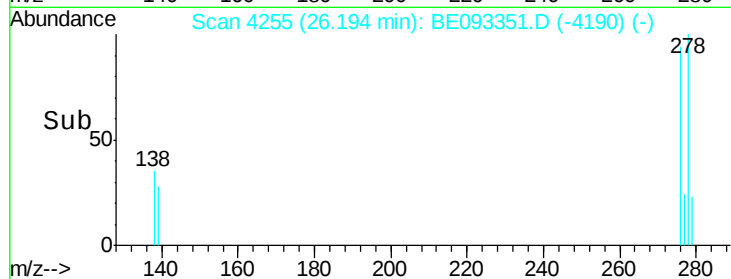
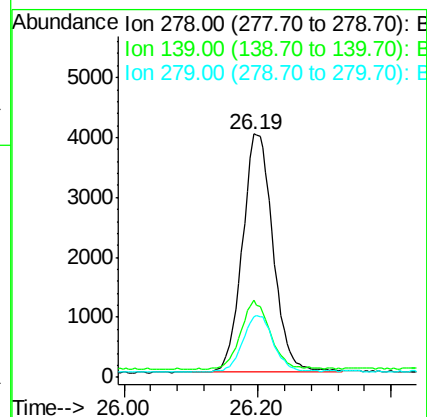
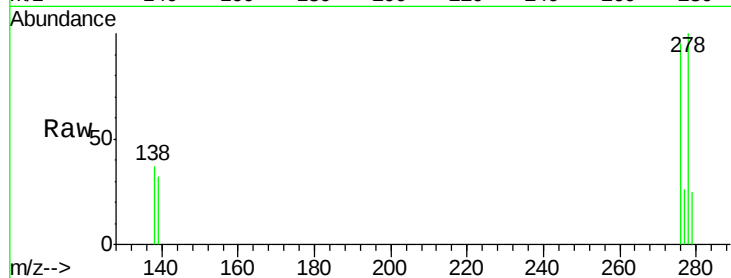
Tgt Ion:278 Resp: 12697

Ion Ratio Lower Upper

278 100

139 31.6 17.4 26.0#

279 24.9 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.38 ng/ul

RT: 26.95 min Scan# 4421

Delta R.T. -0.01 min

Lab File: BE093351.D

Acq: 23 Jun 2017 23:51

Tgt Ion:276 Resp: 12491

Ion Ratio Lower Upper

276 100

138 31.6 21.8 32.8

277 25.2 20.5 30.7

