

Data File : BE093164.D
Acq On : 14 Jun 2017 11:42
Operator : SJ/MA
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.404

Quant Time: Jun 15 02:25:00 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 14 08:39:04 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3109	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	14190	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	7902	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	21234	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	23944	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	19505	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	8759	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	23506	0.41	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.57	128	14594	0.41	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	10116	0.42	ng/ul	98
7) Acenaphthylene	14.08	152	13782	0.41	ng/ul	96
8) Acenaphthene	14.43	153	11225	0.41	ng/ul	99
9) Fluorene	15.42	166	12886	0.40	ng/ul#	90
11) Pentachlorophenol	16.76	266	1464	0.46	ng/ul	98
12) Phenanthrene	17.14	178	24035	0.41	ng/ul#	88
13) Anthracene	17.22	178	21639	0.43	ng/ul#	88
15) Fluoranthene	19.15	202	28781	0.40	ng/ul	83
17) Pyrene	19.51	202	30578	0.43	ng/ul#	85
18) Benzo(a)anthracene	21.24	228	27483	0.43	ng/ul#	86
19) Chrysene	21.29	228	27520	0.42	ng/ul	97
21) Benzo(b)fluoranthene	22.92	252	25087	0.42	ng/ul	87
22) Benzo(k)fluoranthene	22.97	252	25023	0.40	ng/ul#	89
23) Benzo(a)pyrene	23.55	252	23806	0.43	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.17	276	26704	0.41	ng/ul#	91
25) Dibenzo(a,h)anthracene	26.19	278	22030	0.40	ng/ul#	91
26) Benzo(g,h,i)perylene	26.95	276	22451	0.40	ng/ul	98

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

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Sample : SSTDCCC0.4

Misc :

ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTD0.404

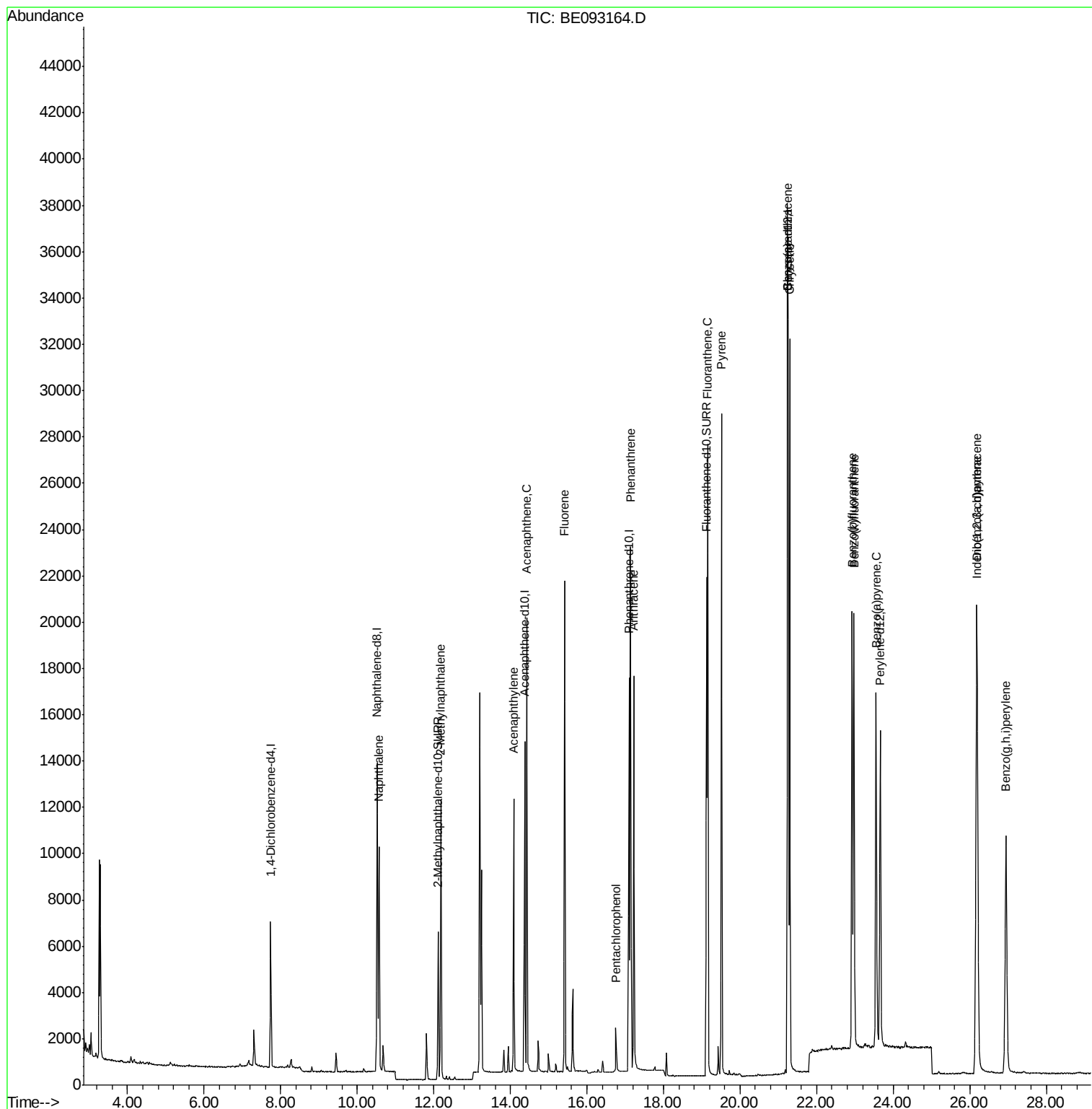
Quant Time: Jun 15 02:25:00 2017

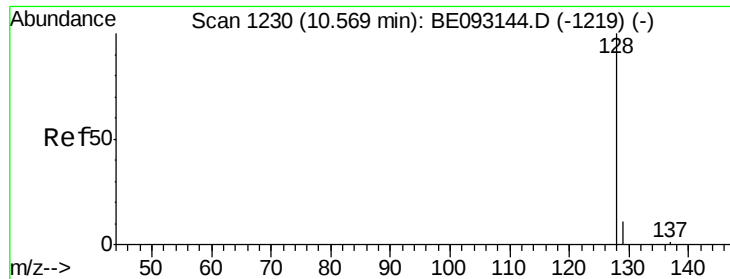
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 14 08:39:04 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: BE093164.D

Acq: 14 Jun 2017 11:42

Instrument :

BNA_E

ClientSampleId :

SSTD0.404

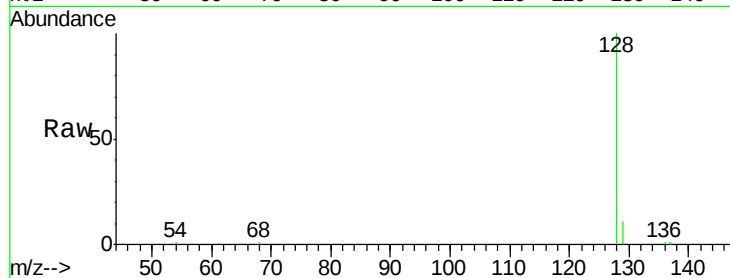
Tgt Ion:128 Resp: 14594

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9#

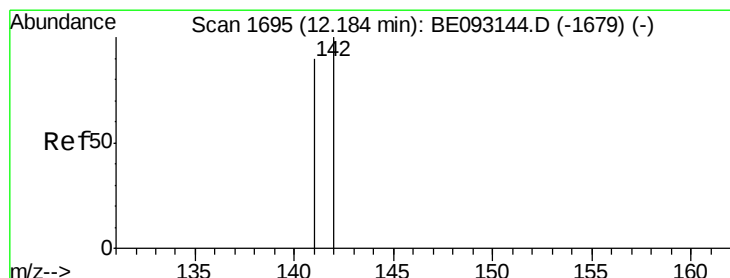
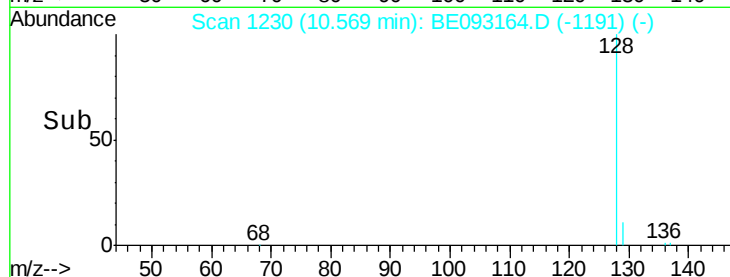
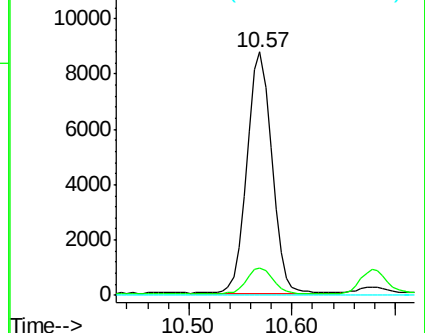
127 0.0 4.0 6.0#



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: 0.42 ng/ul

RT: 12.18 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BE093164.D

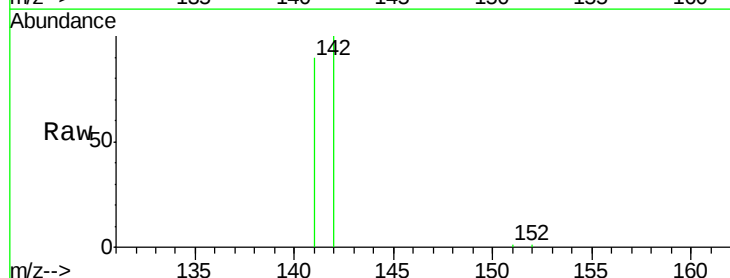
Acq: 14 Jun 2017 11:42

Tgt Ion:142 Resp: 10116

Ion Ratio Lower Upper

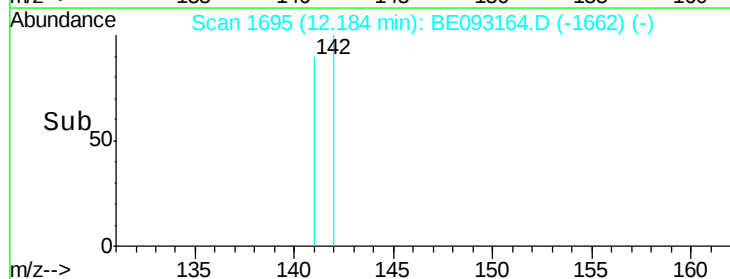
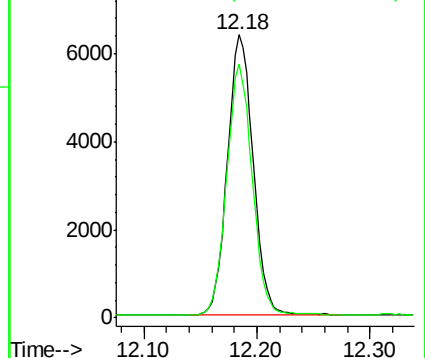
142 100

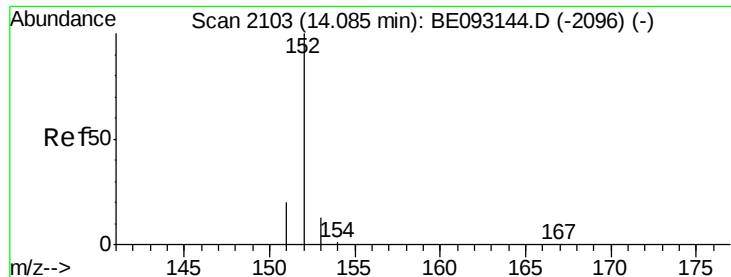
141 89.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093164.D

Acq: 14 Jun 2017 11:42

Instrument :

BNA_E

ClientSampleId :

SSTD0.404

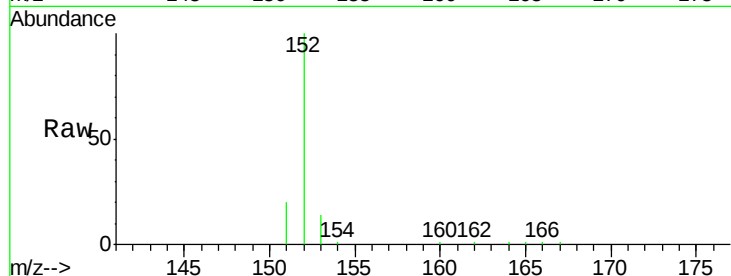
Tgt Ion:152 Resp: 13782

Ion Ratio Lower Upper

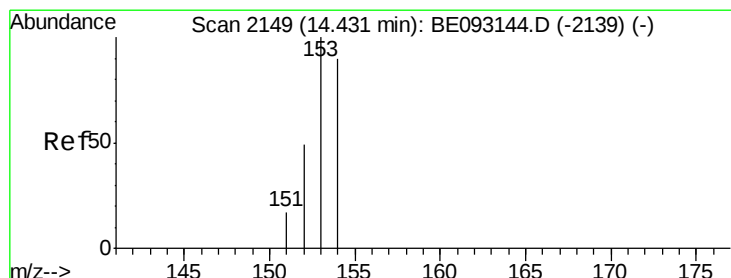
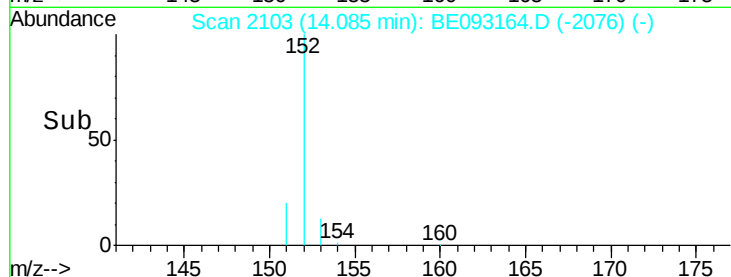
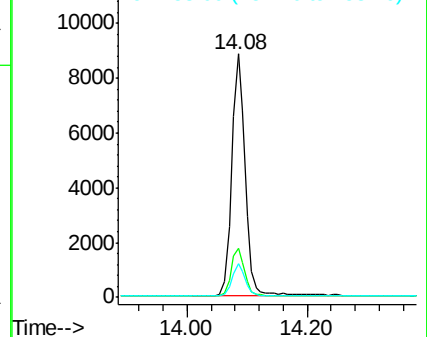
152 100

151 20.2 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: BE093164.D

Acq: 14 Jun 2017 11:42

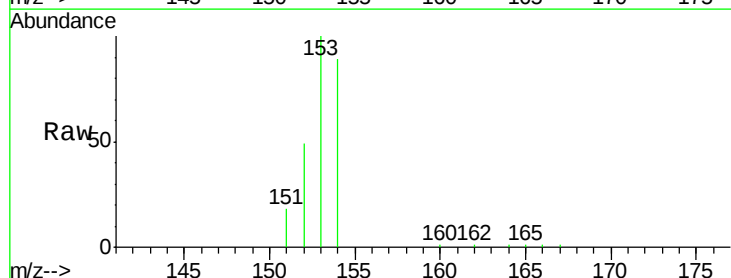
Tgt Ion:153 Resp: 11225

Ion Ratio Lower Upper

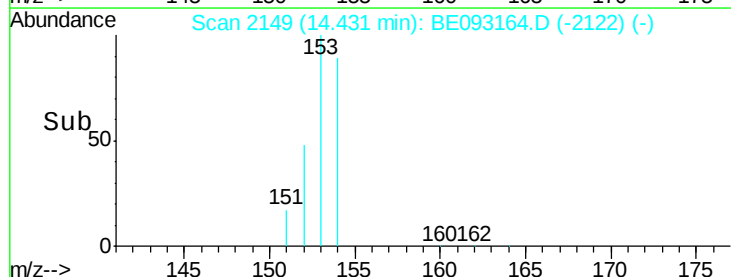
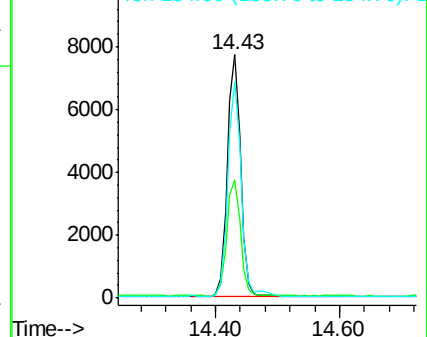
153 100

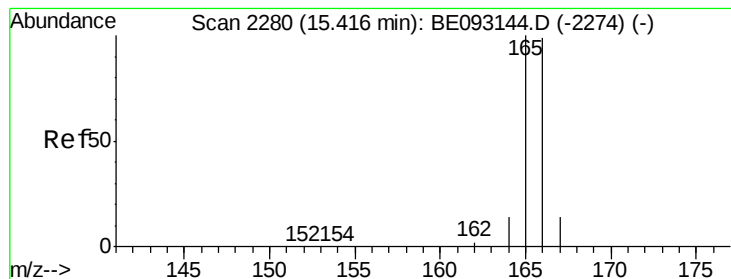
152 48.8 40.3 60.5

154 88.8 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: BE093164.D

Acq: 14 Jun 2017 11:42

Instrument :

BNA_E

ClientSampleId :

SSTD0.404

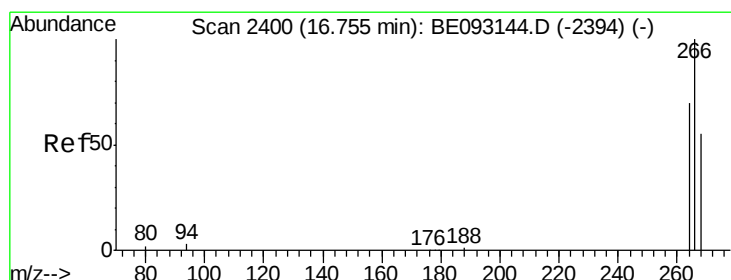
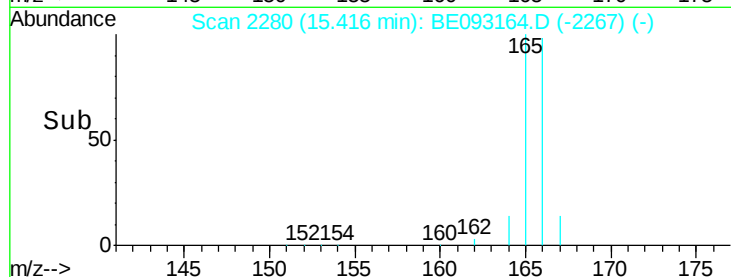
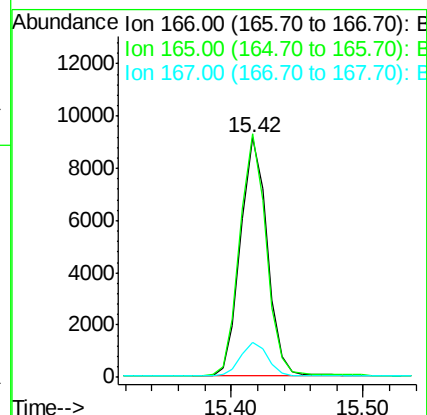
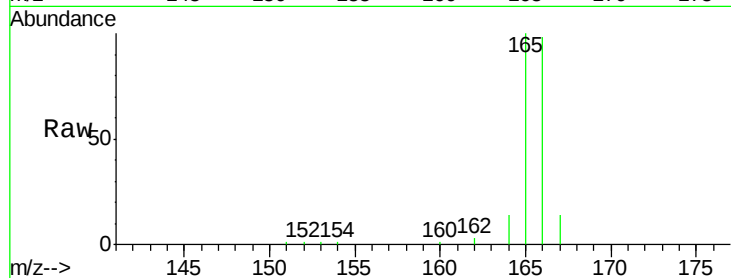
Tgt Ion:166 Resp: 12886

Ion Ratio Lower Upper

166 100

165 101.7 73.4 110.2

167 14.6 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.46 ng/ul

RT: 16.76 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BE093164.D

Acq: 14 Jun 2017 11:42

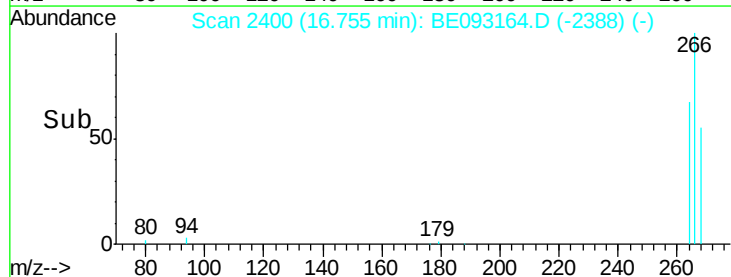
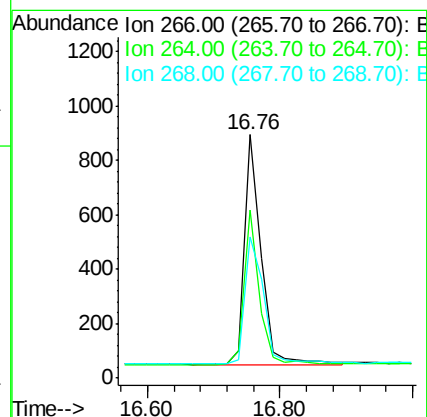
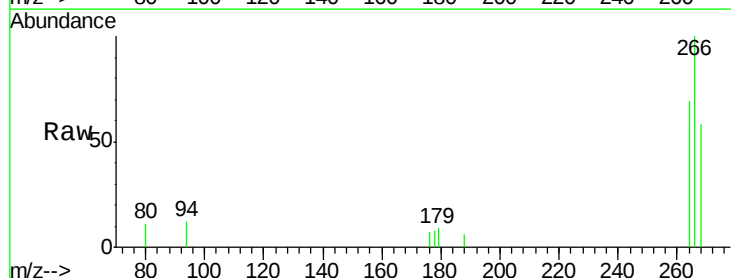
Tgt Ion:266 Resp: 1464

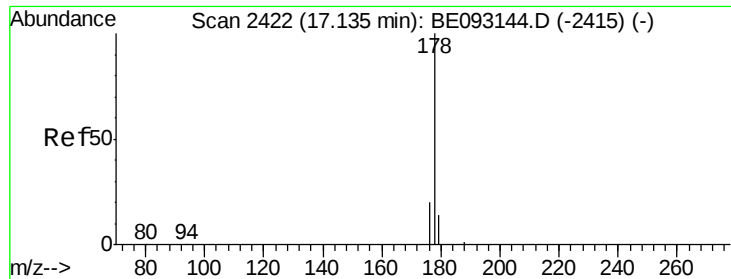
Ion Ratio Lower Upper

266 100

264 62.2 47.9 71.9

268 63.2 49.8 74.8





#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093164.D

Acq: 14 Jun 2017 11:42

Instrument :

BNA_E

ClientSampleId :

SSTD0.404

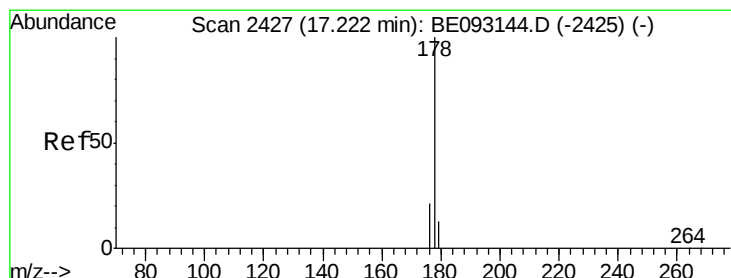
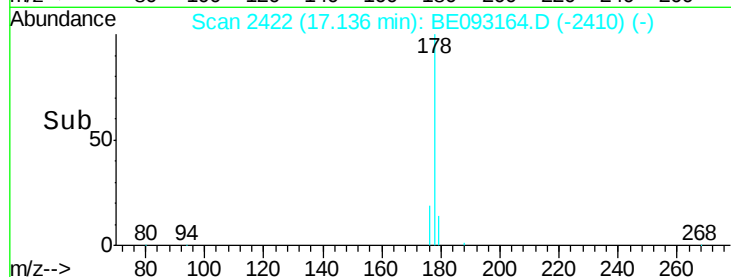
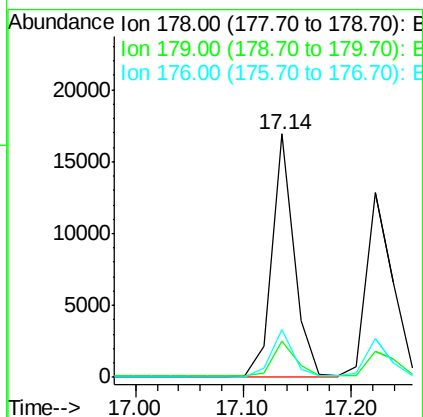
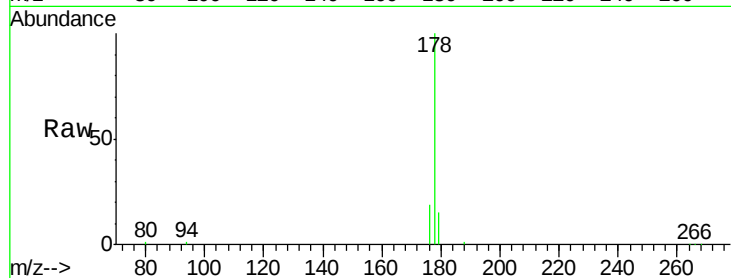
Tgt Ion:178 Resp: 24035

Ion Ratio Lower Upper

178 100

179 14.9 18.4 27.6#

176 19.4 13.6 20.4



#13

Anthracene

Concen: 0.43 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093164.D

Acq: 14 Jun 2017 11:42

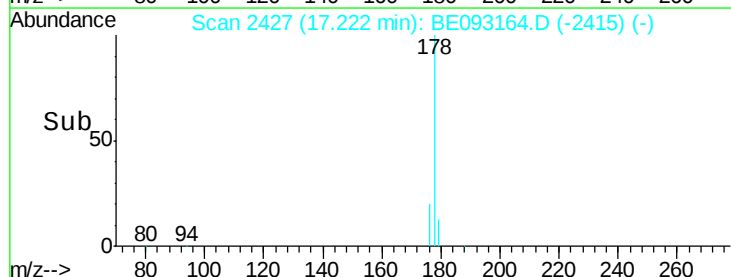
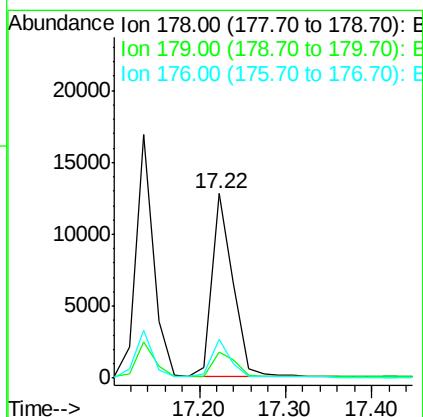
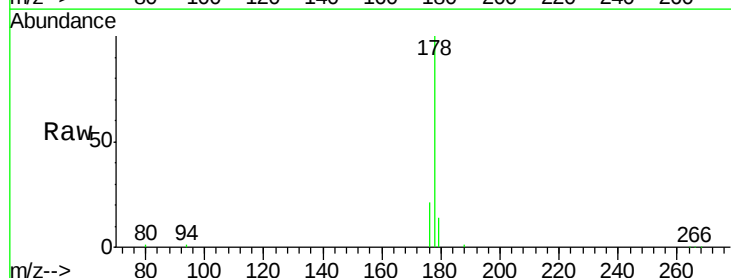
Tgt Ion:178 Resp: 21639

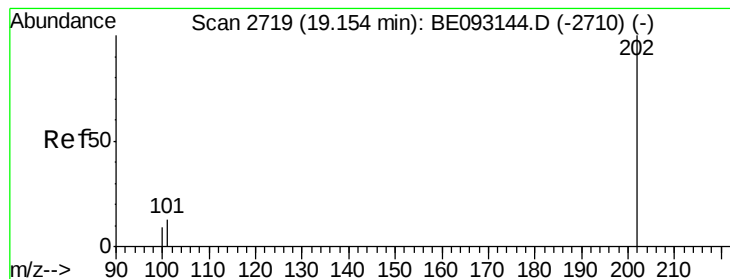
Ion Ratio Lower Upper

178 100

179 13.9 18.1 27.1#

176 20.8 14.7 22.1





#15

Fluoranthene

Concen: 0.40 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE093164.D

Acq: 14 Jun 2017 11:42

Instrument :

BNA_E

ClientSampleId :

SSTD0.404

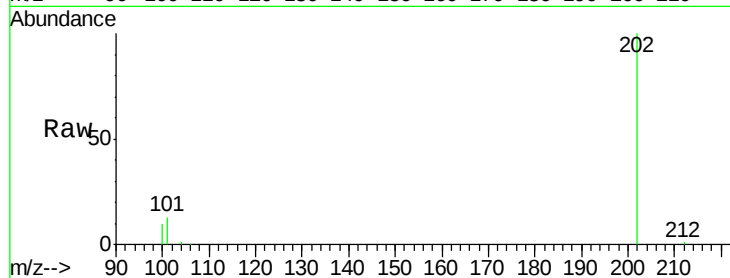
Tgt Ion:202 Resp: 28781

Ion Ratio Lower Upper

202 100

101 12.8 0.0 30.3

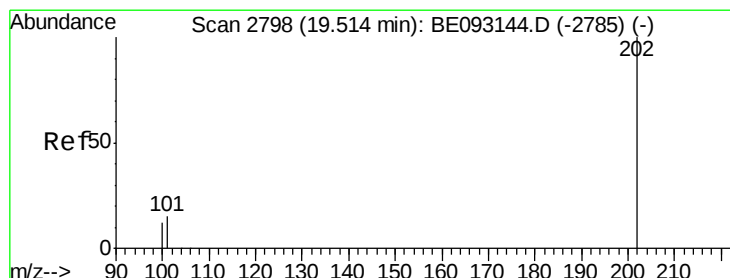
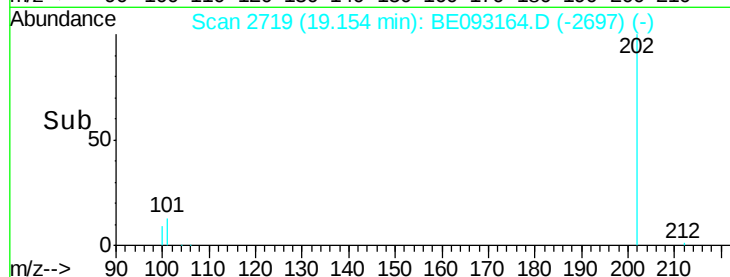
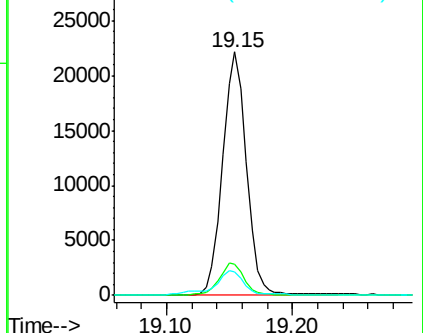
100 9.6 0.0 39.5



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: 0.43 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093164.D

Acq: 14 Jun 2017 11:42

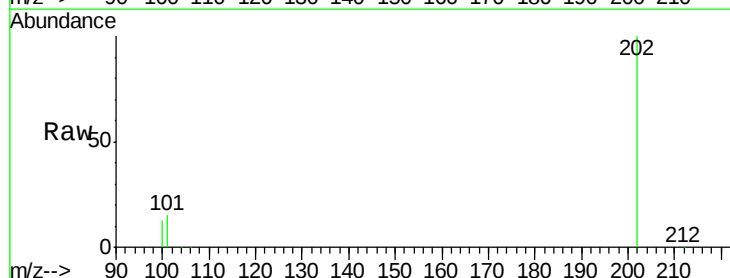
Tgt Ion:202 Resp: 30578

Ion Ratio Lower Upper

202 100

101 15.5 18.2 27.4#

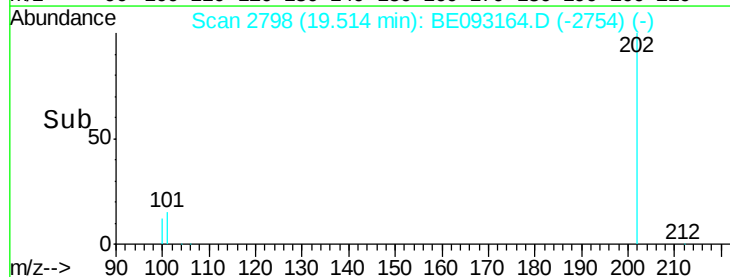
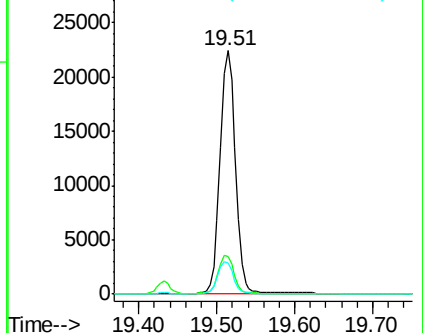
100 12.6 15.6 23.4#

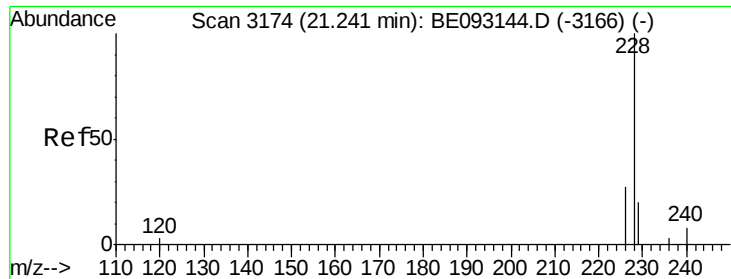


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE093164.D

Acq: 14 Jun 2017 11:42

Instrument :

BNA_E

ClientSampleId :

SSTD0.404

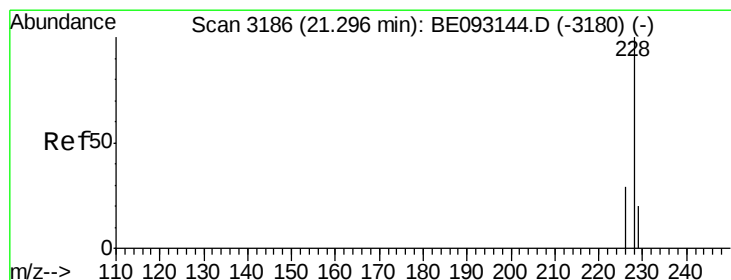
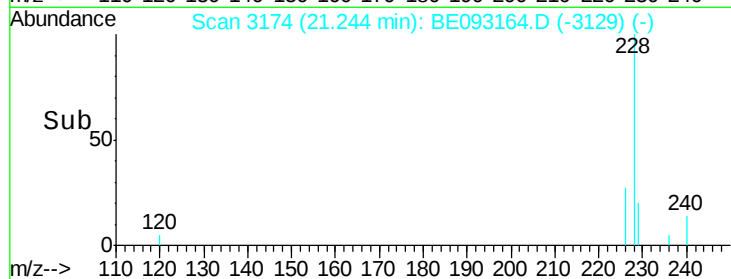
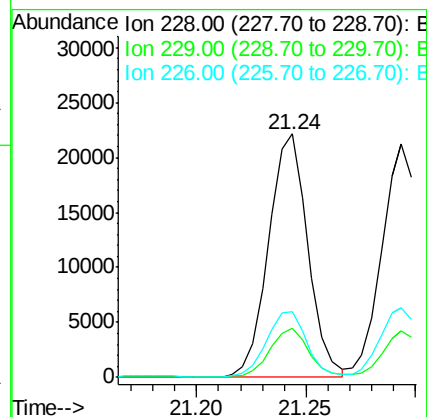
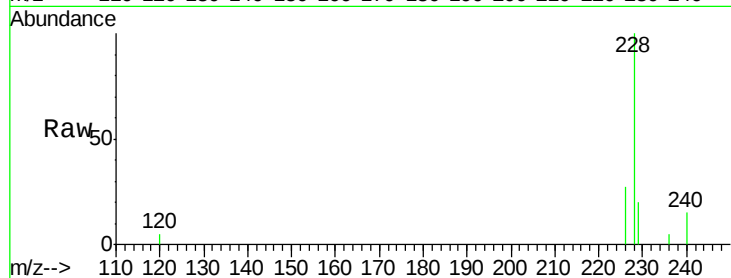
Tgt Ion:228 Resp: 27483

Ion Ratio Lower Upper

228 100

229 20.0 22.8 34.2#

226 26.9 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: BE093164.D

Acq: 14 Jun 2017 11:42

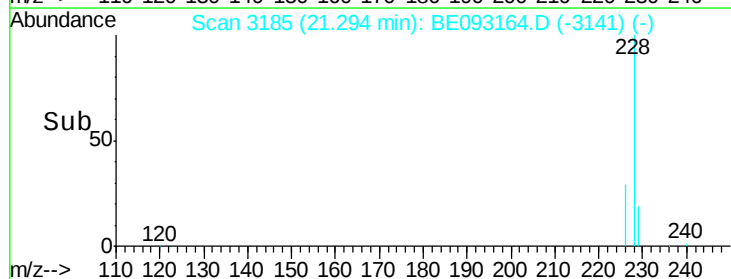
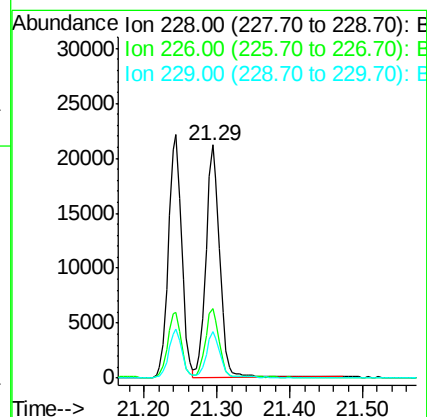
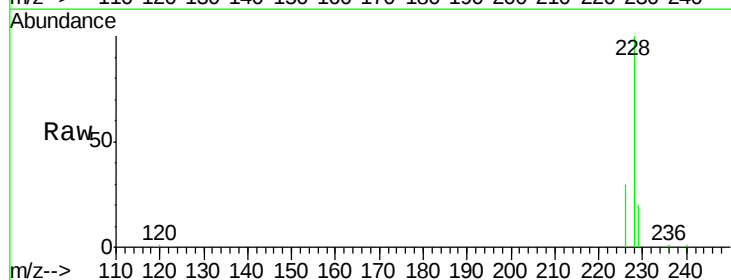
Tgt Ion:228 Resp: 27520

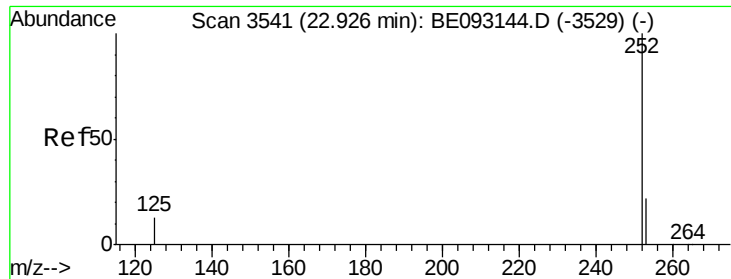
Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.0

229 19.7 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.42 ng/ul

RT: 22.92 min Scan# 3539

Delta R.T. -0.00 min

Lab File: BE093164.D

Acq: 14 Jun 2017 11:42

Instrument :

BNA_E

ClientSampleId :

SSTD0.404

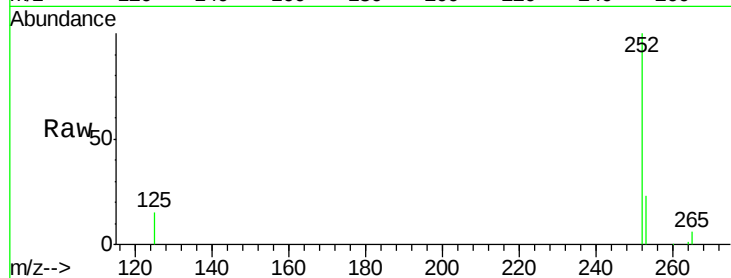
Tgt Ion:252 Resp: 25087

Ion Ratio Lower Upper

252 100

253 22.6 0.0 64.2

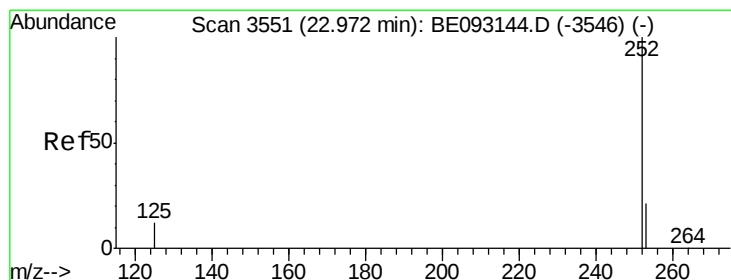
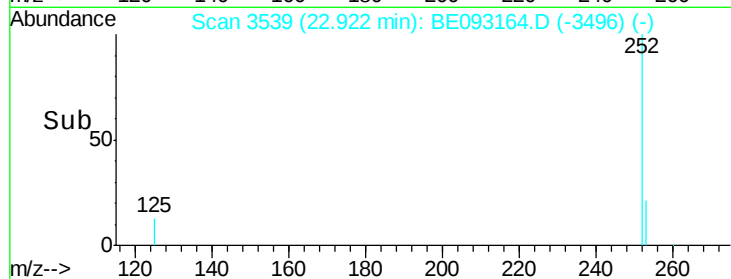
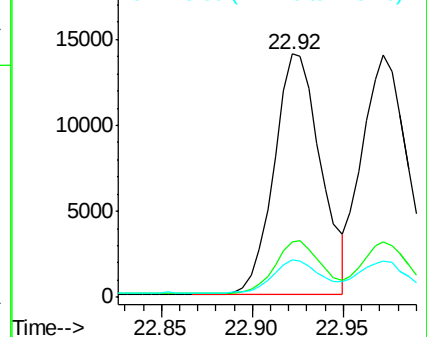
125 15.3 0.0 35.0



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# 3550

Delta R.T. 0.00 min

Lab File: BE093164.D

Acq: 14 Jun 2017 11:42

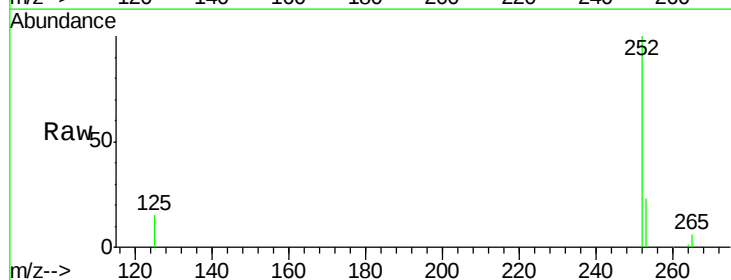
Tgt Ion:252 Resp: 25023

Ion Ratio Lower Upper

252 100

253 23.0 24.5 36.7#

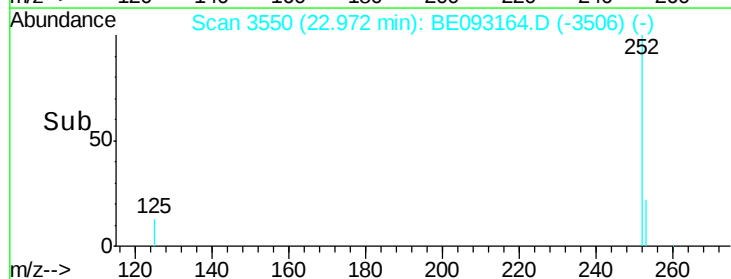
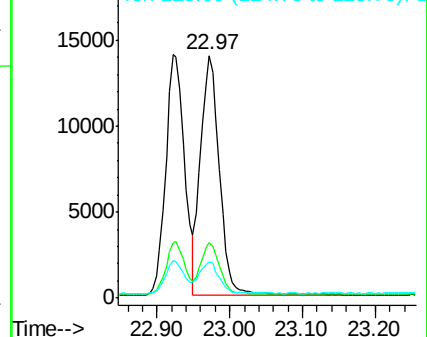
125 15.0 13.7 20.5

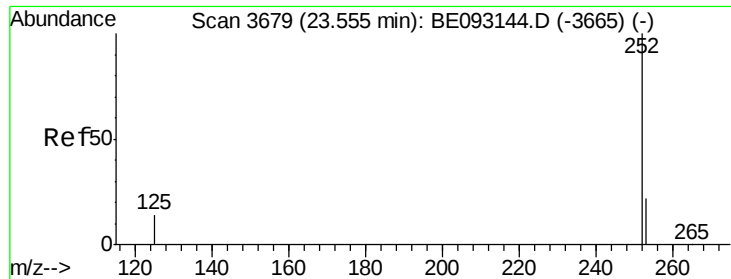


Abundance Ion 252.00 (251.70 to 252.70): E

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# 3677

Delta R.T. -0.00 min

Lab File: BE093164.D

Acq: 14 Jun 2017 11:42

Instrument :

BNA_E

ClientSampleId :

SSTD0.404

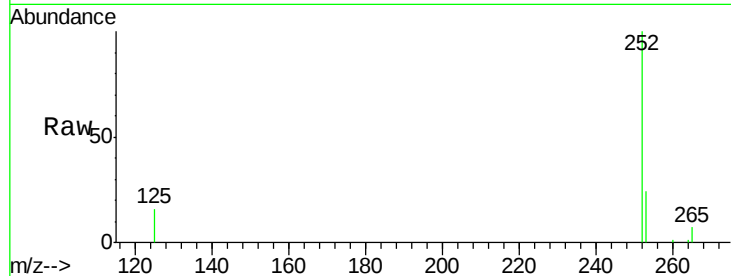
Tgt Ion:252 Resp: 23806

Ion Ratio Lower Upper

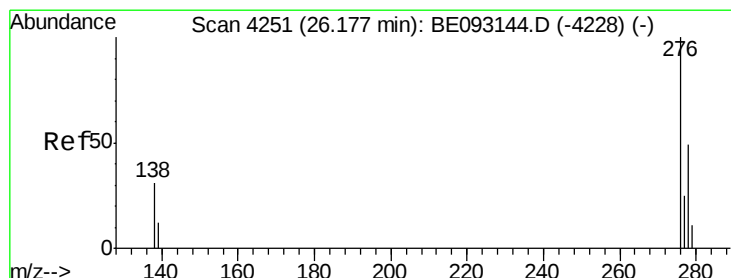
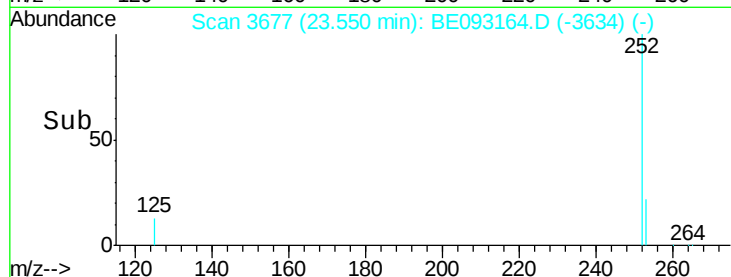
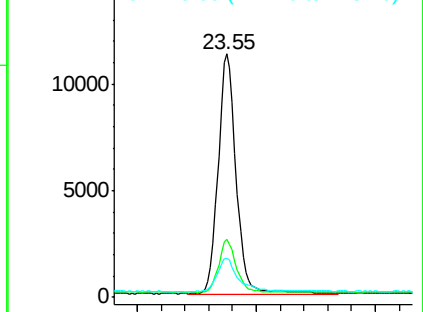
252 100

253 24.0 28.5 42.7#

125 16.2 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: 0.41 ng/ul

RT: 26.17 min Scan# 4249

Delta R.T. -0.00 min

Lab File: BE093164.D

Acq: 14 Jun 2017 11:42

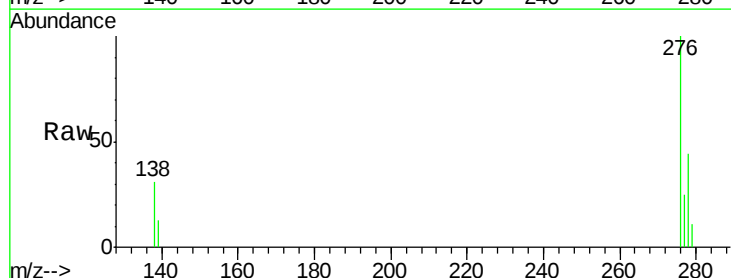
Tgt Ion:276 Resp: 26704

Ion Ratio Lower Upper

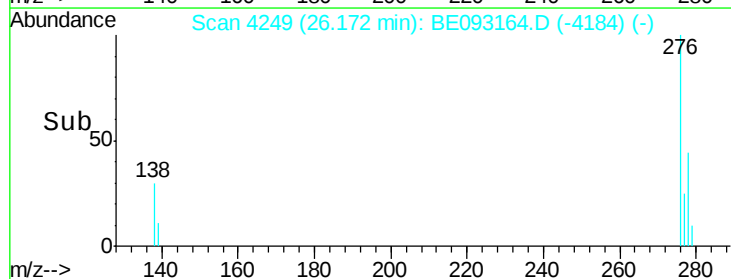
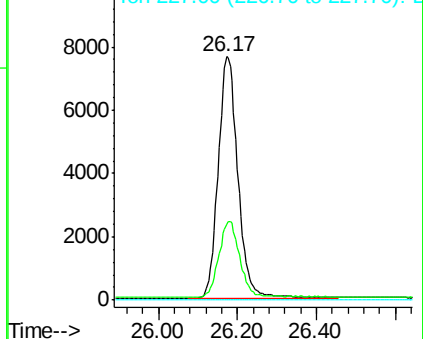
276 100

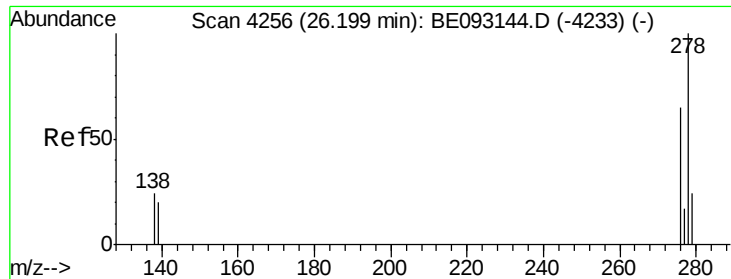
138 33.0 28.0 42.0

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

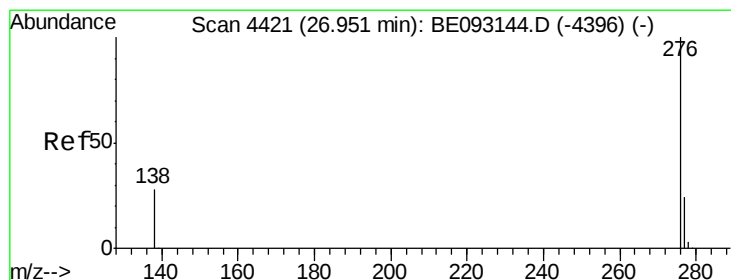
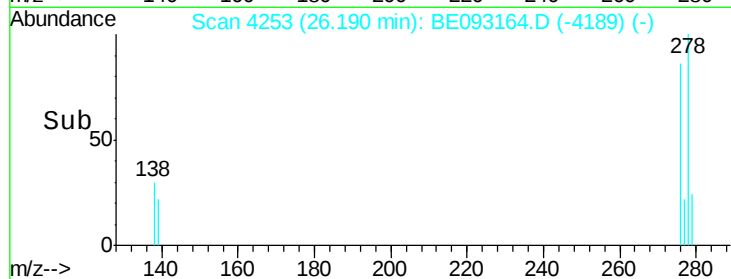
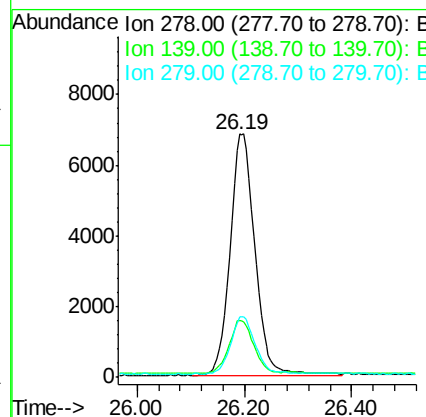
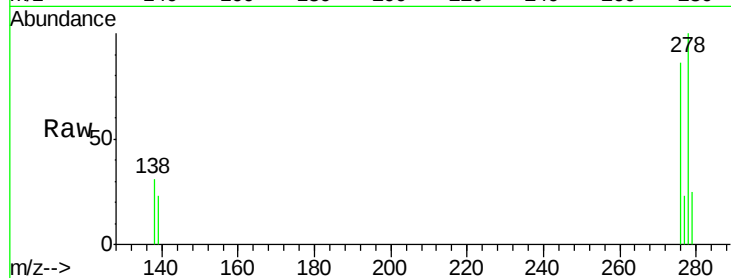




#25
Dibenzo(a,h)anthracene
Concen: 0.40 ng/ul
RT: 26.19 min Scan# 4253
Delta R.T. -0.01 min
Lab File: BE093164.D
Acq: 14 Jun 2017 11:42

Instrument :
BNA_E
ClientSampleId :
SSTD0.404

Tgt Ion: 278 Resp: 22030
Ion Ratio Lower Upper
278 100
139 23.2 17.4 26.0
279 24.9 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.40 ng/ul
RT: 26.95 min Scan# 4419
Delta R.T. -0.00 min
Lab File: BE093164.D
Acq: 14 Jun 2017 11:42

Tgt Ion: 276 Resp: 22451
Ion Ratio Lower Upper
276 100
138 29.0 21.8 32.8
277 24.8 20.5 30.7

