

Data File : BE093176.D
Acq On : 14 Jun 2017 19:10
Operator : SJ/MA
Sample : I3522-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5D36DL

Quant Time: Jun 15 02:28:46 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 02:27:21 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	4365	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	22001	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	13549	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	34250	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	34919	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	32865	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	1571	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	4782	0.05	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.57	128	2617	0.05	ng/ul#	90
5) 2-Methylnaphthalene	12.19	142	419	0.01	ng/ul	97
7) Acenaphthylene	14.09	152	2714	0.05	ng/ul	96
8) Acenaphthene	14.43	153	496	0.01	ng/ul	92
9) Fluorene	15.42	166	652	0.01	ng/ul#	69
11) Pentachlorophenol	16.76	266	55	0.01	ng/ul	91
12) Phenanthrene	17.14	178	5438	0.06	ng/ul#	90
13) Anthracene	17.22	178	4751	0.06	ng/ul#	93
15) Fluoranthene	19.16	202	42721	0.37	ng/ul	84
17) Pyrene	19.52	202	43454	0.42	ng/ul#	83
18) Benzo(a)anthracene	21.24	228	30670	0.33	ng/ul#	90
19) Chrysene	21.29	228	40753	0.42	ng/ul#	92
21) Benzo(b)fluoranthene	22.93	252	85879	0.86	ng/ul	96
22) Benzo(k)fluoranthene	22.93	252	85879	0.81	ng/ul	97
23) Benzo(a)pyrene	23.55	252	31437	0.33	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	26.18	276	19798	0.18	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.19	278	5757	0.06	ng/ul#	21
26) Benzo(g,h,i)perylene	26.95	276	16852	0.18	ng/ul#	81

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

Data File : BE093176.D

Acq On : 14 Jun 2017 19:10

Operator : SJ/MA

Sample : I3522-20DL 5X

Misc :

ALS Vial : 14 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

F5D36DL

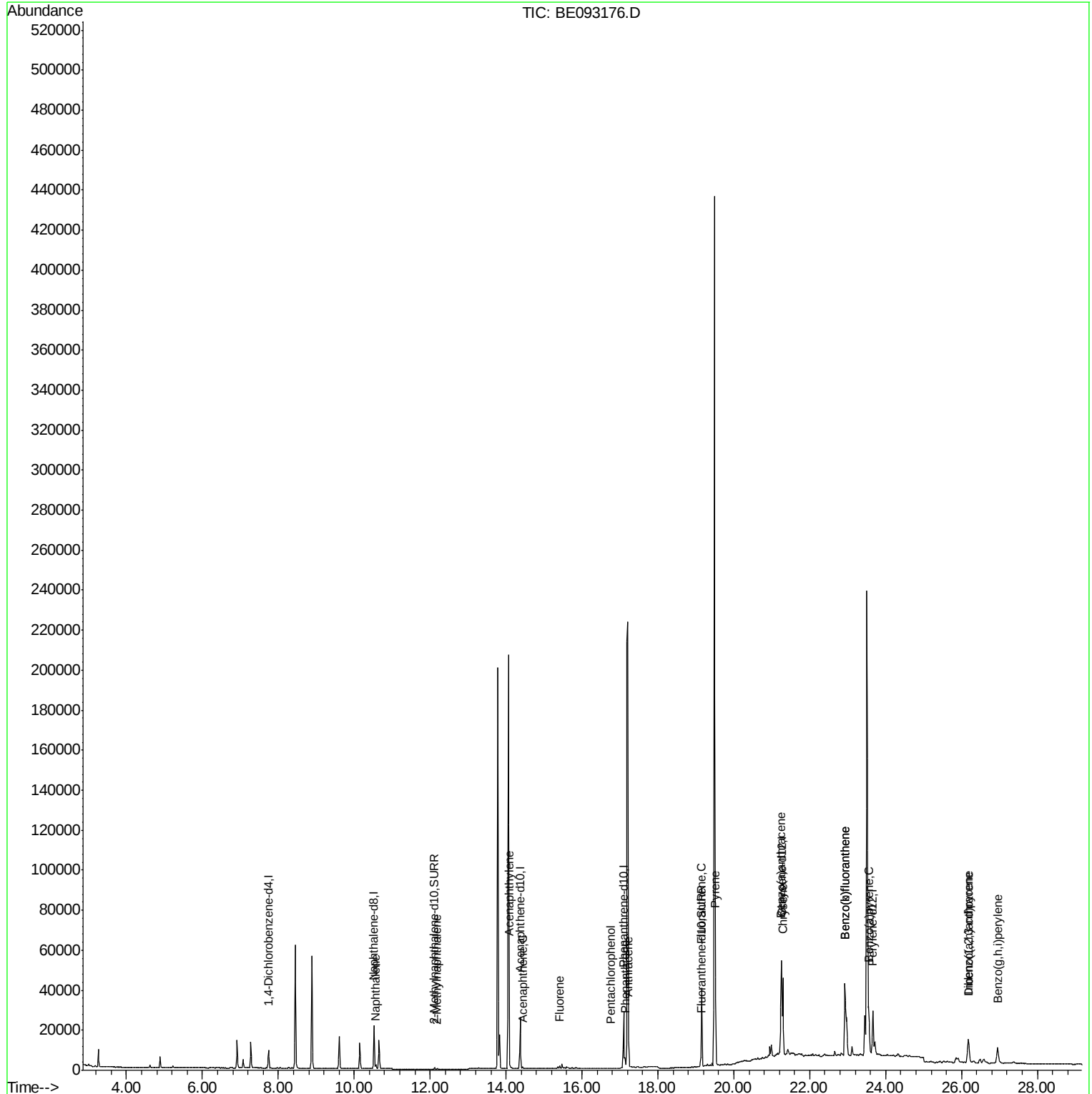
Quant Time: Jun 15 02:28:46 2017

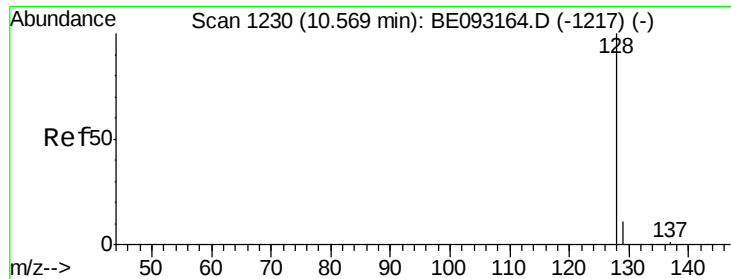
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 15 02:27:21 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

Instrument :

BNA_E

ClientSampleId :

F5D36DL

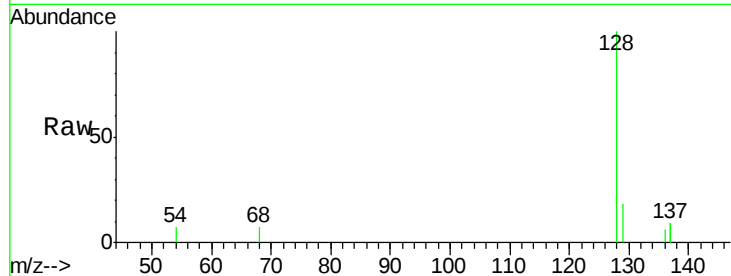
Tgt Ion:128 Resp: 2617

Ion Ratio Lower Upper

128 100

129 17.6 11.3 16.9#

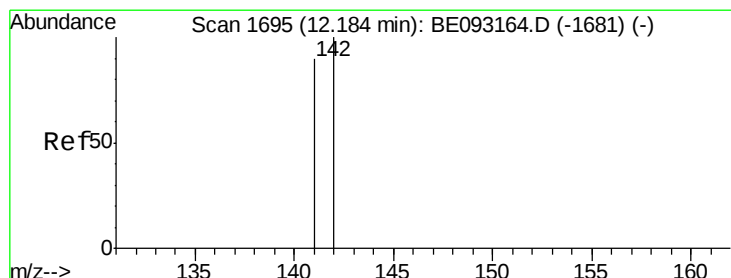
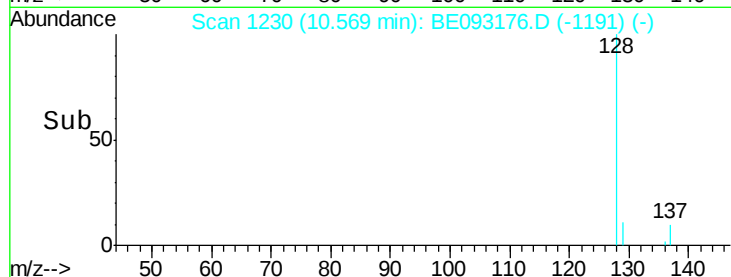
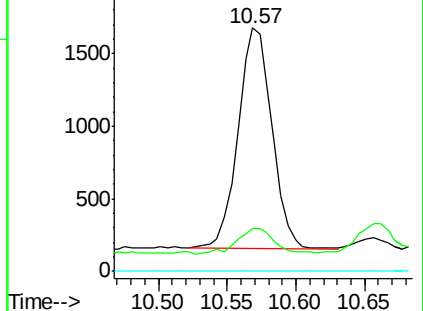
127 0.0 4.0 6.0#



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: 0.01 ng/ul

RT: 12.19 min Scan# 1697

Delta R.T. 0.01 min

Lab File: BE093176.D

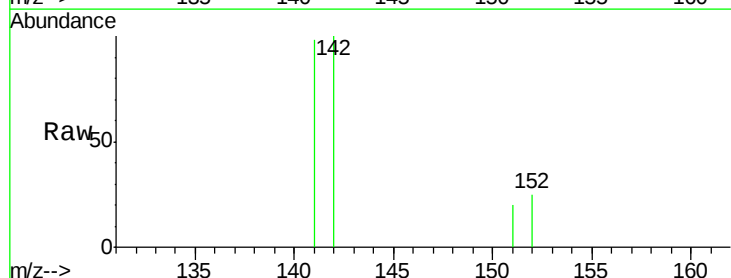
Acq: 14 Jun 2017 19:10

Tgt Ion:142 Resp: 419

Ion Ratio Lower Upper

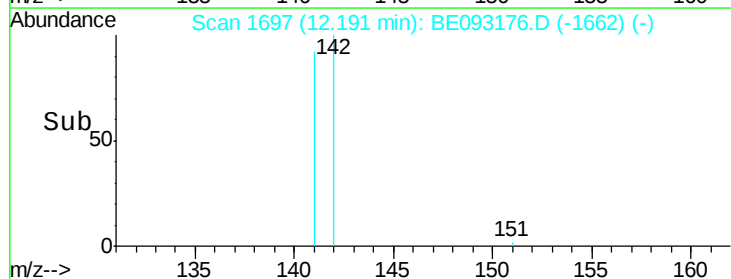
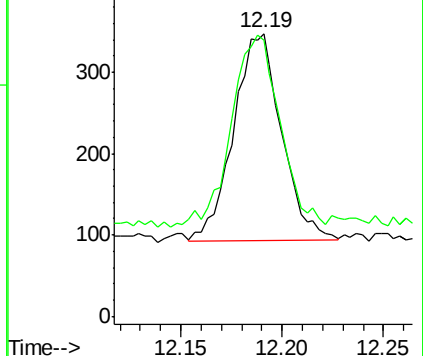
142 100

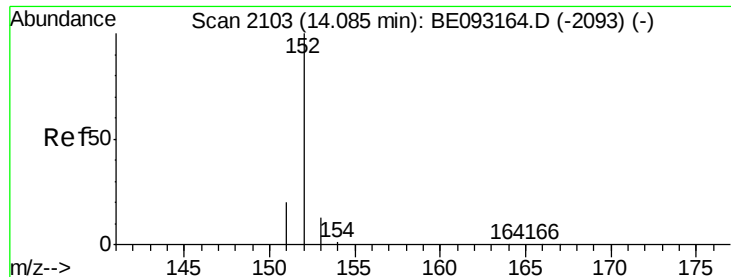
141 93.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

Instrument :

BNA_E

ClientSampleId :

F5D36DL

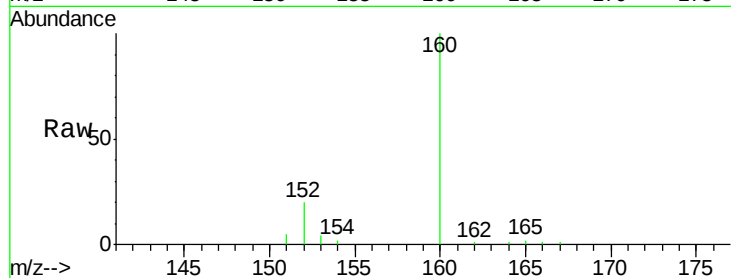
Tgt Ion:152 Resp: 2714

Ion Ratio Lower Upper

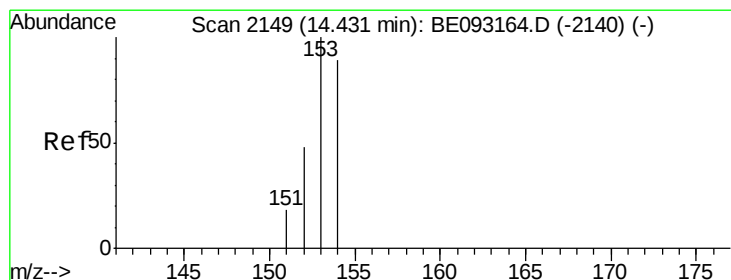
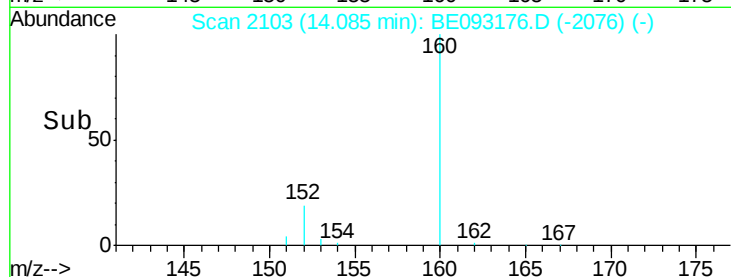
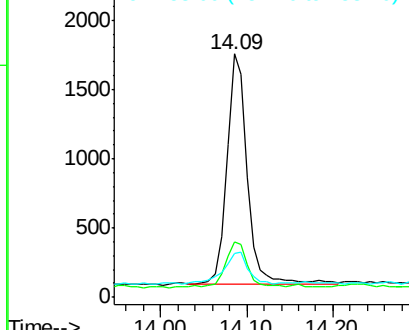
152 100

151 22.9 17.1 25.7

153 18.0 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: 0.01 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

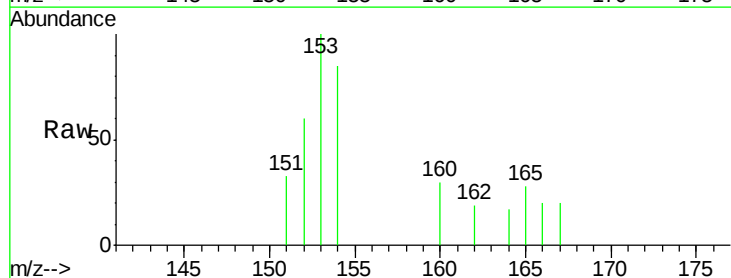
Tgt Ion:153 Resp: 496

Ion Ratio Lower Upper

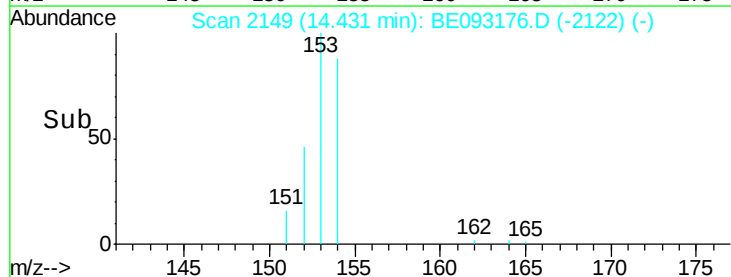
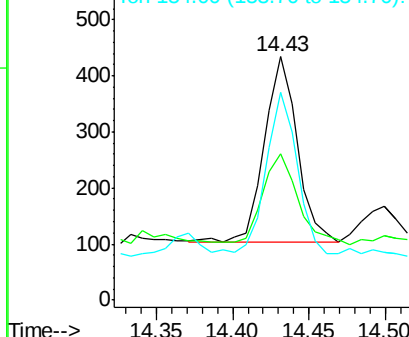
153 100

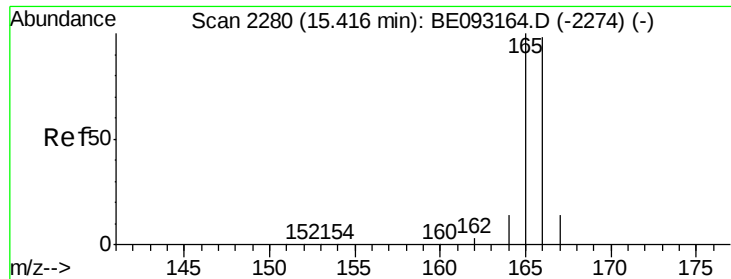
152 59.9 40.3 60.5

154 85.5 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: 0.01 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

Instrument :

BNA_E

ClientSampleId :

F5D36DL

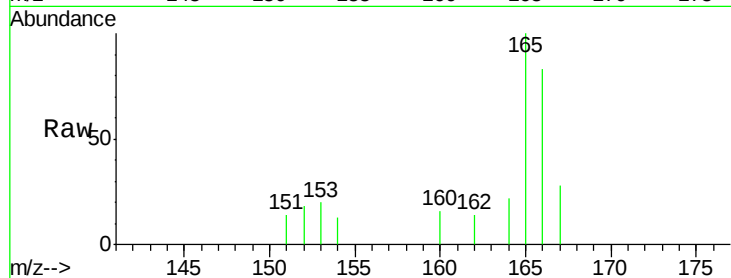
Tgt Ion:166 Resp: 652

Ion Ratio Lower Upper

166 100

165 120.8 73.4 110.2#

167 33.5 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

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

15.42

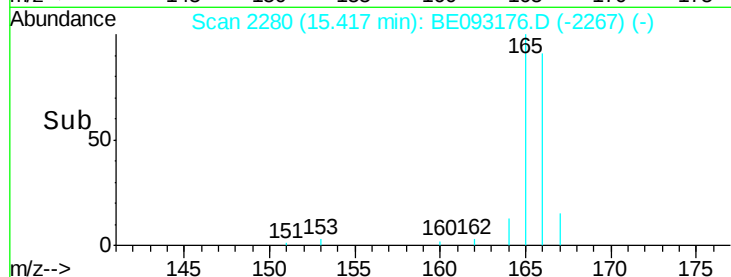
15.42

15.42

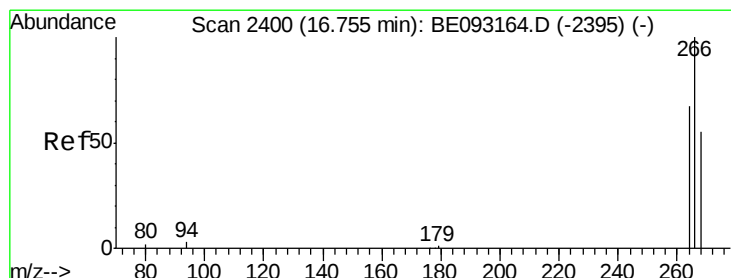
15.42

15.42

15.42



Time-->



#11

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.76 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

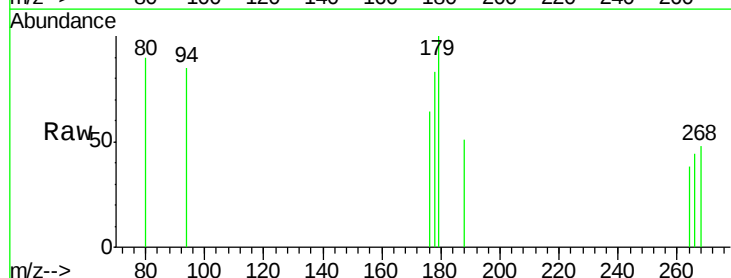
Tgt Ion:266 Resp: 55

Ion Ratio Lower Upper

266 100

264 69.1 47.9 71.9

268 67.3 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

16.76

16.76

16.76

16.76

16.76

16.76

16.76

16.76

16.76

16.76

16.76

16.76

16.76

16.76

16.76

16.76

16.76

16.76

16.76

16.76

16.76

16.76

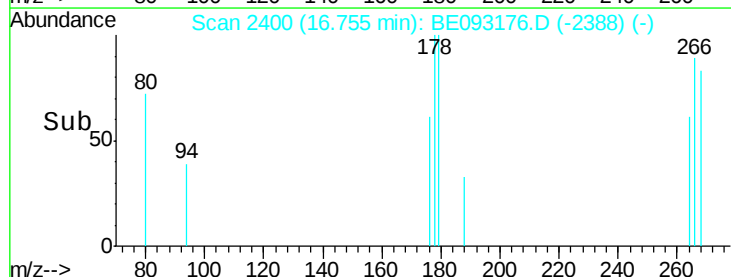
16.76

16.76

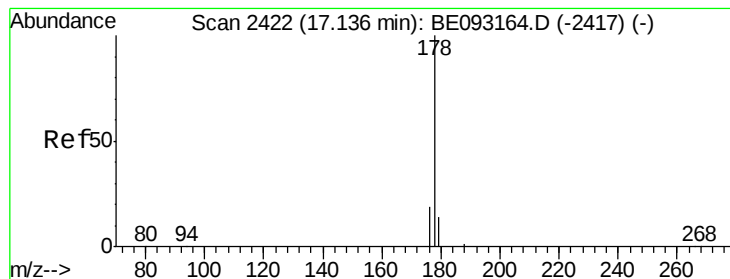
16.76

16.76

16.76



Time-->



#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

Instrument :

BNA_E

ClientSampleId :

F5D36DL

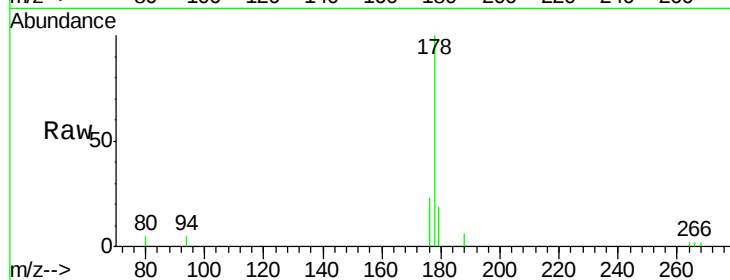
Tgt Ion:178 Resp: 5438

Ion Ratio Lower Upper

178 100

179 19.2 18.4 27.6

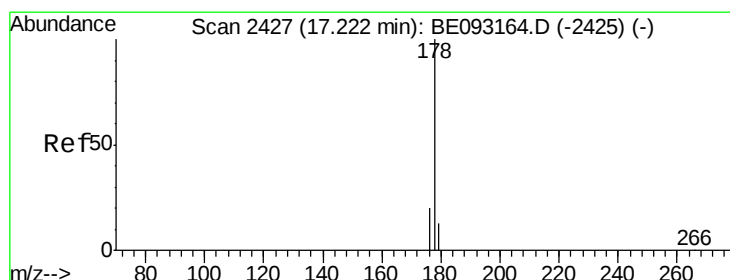
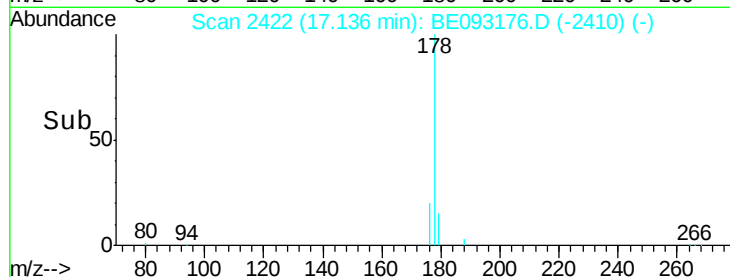
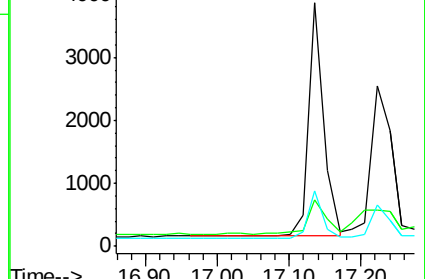
176 22.5 13.6 20.4#



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: 0.06 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

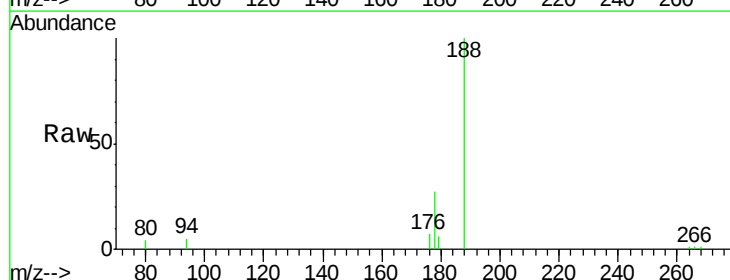
Tgt Ion:178 Resp: 4751

Ion Ratio Lower Upper

178 100

179 22.5 18.1 27.1

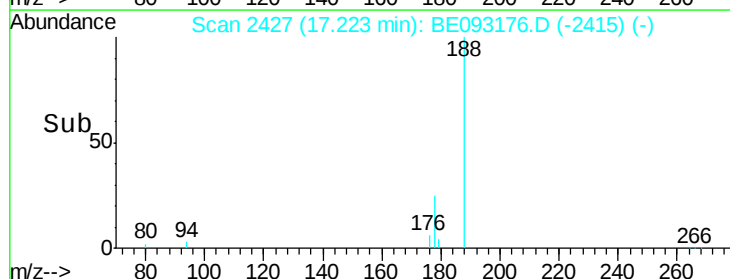
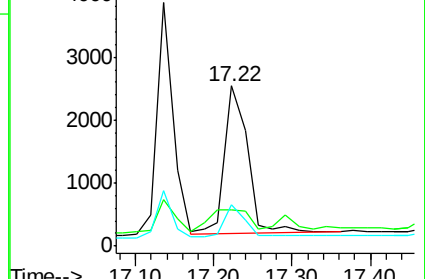
176 25.7 14.7 22.1#

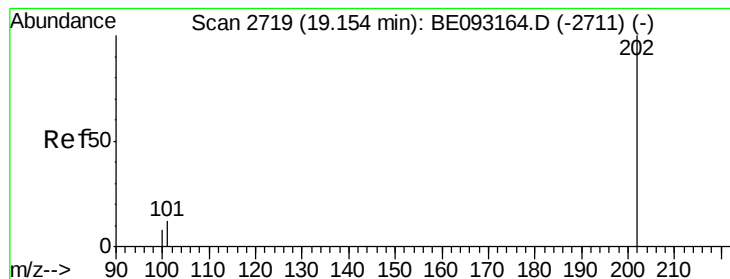


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.37 ng/ul

RT: 19.16 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

Instrument :

BNA_E

ClientSampleId :

F5D36DL

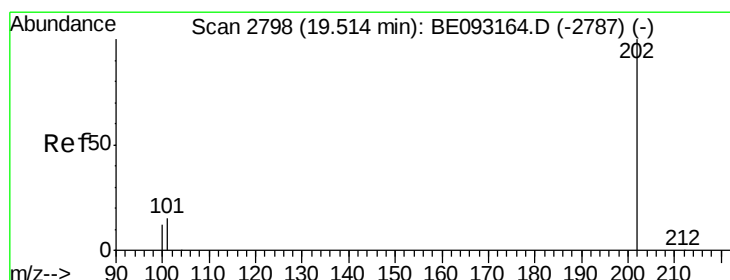
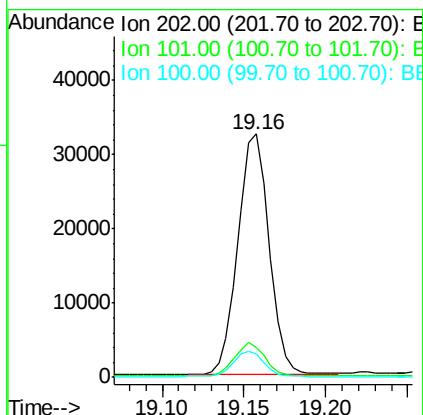
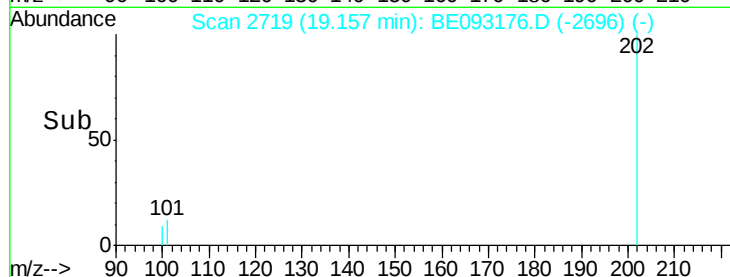
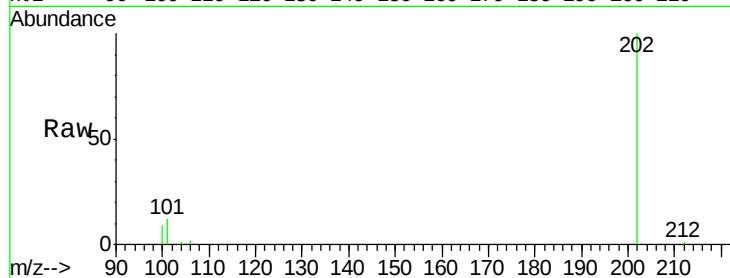
Tgt Ion:202 Resp: 42721

Ion Ratio Lower Upper

202 100

101 12.4 0.0 30.3

100 9.5 0.0 39.5



#17

Pyrene

Concen: 0.42 ng/ul

RT: 19.52 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

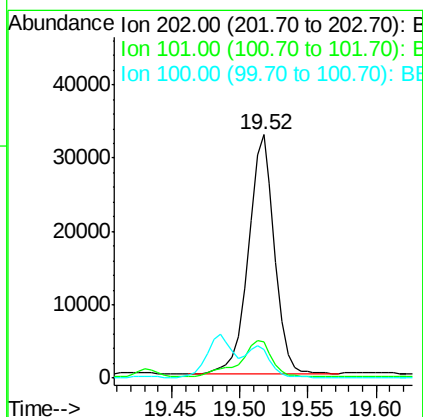
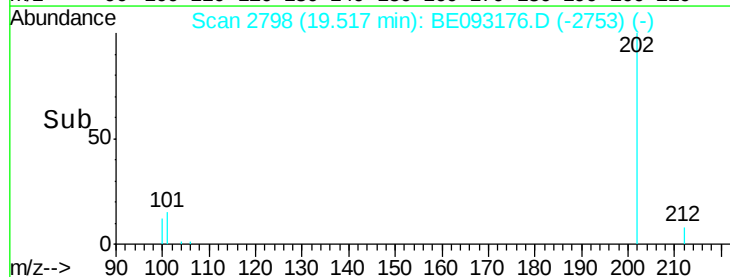
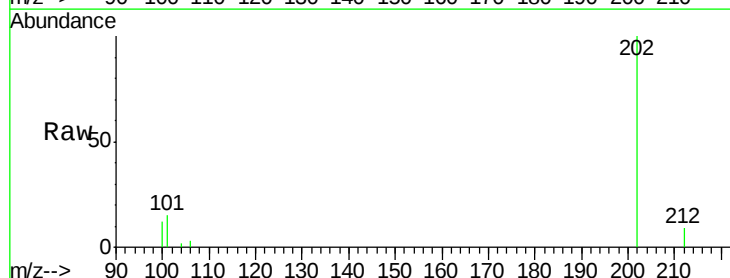
Tgt Ion:202 Resp: 43454

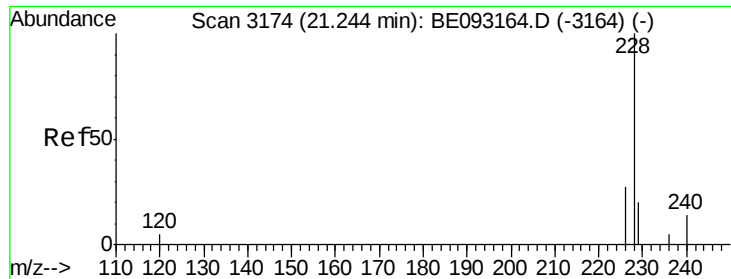
Ion Ratio Lower Upper

202 100

101 14.7 18.2 27.4#

100 11.9 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.33 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

Instrument :

BNA_E

ClientSampleId :

F5D36DL

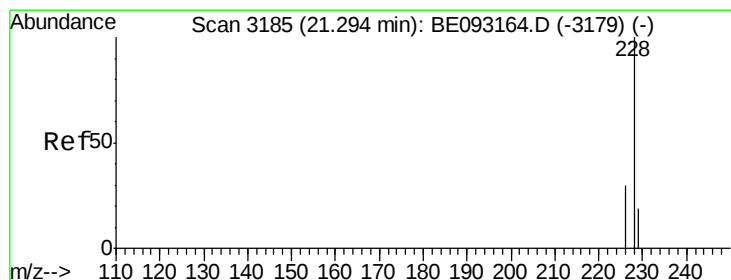
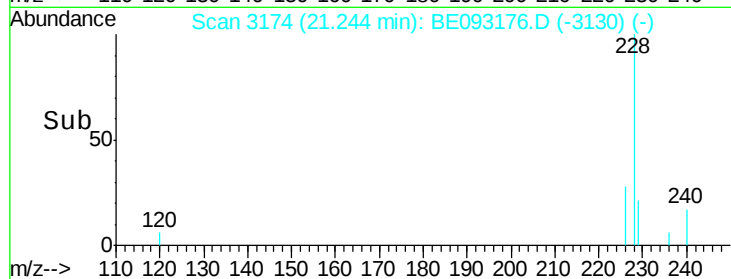
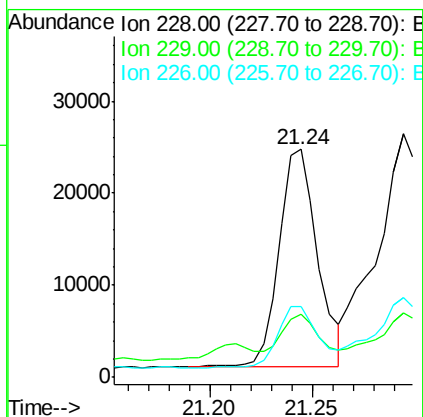
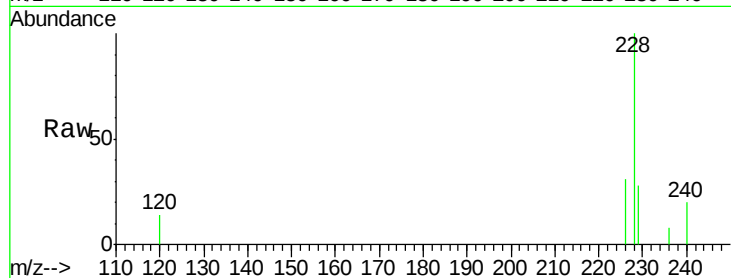
Tgt Ion:228 Resp: 30670

Ion Ratio Lower Upper

228 100

229 27.8 22.8 34.2

226 31.0 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: BE093176.D

Acq: 14 Jun 2017 19:10

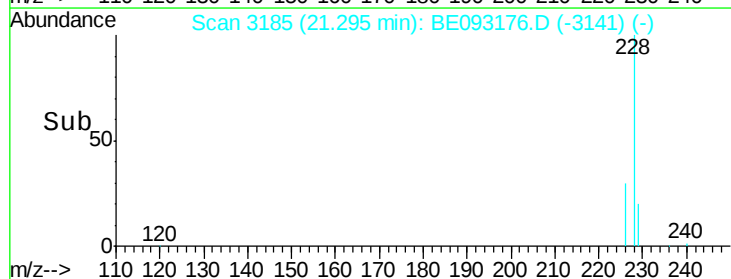
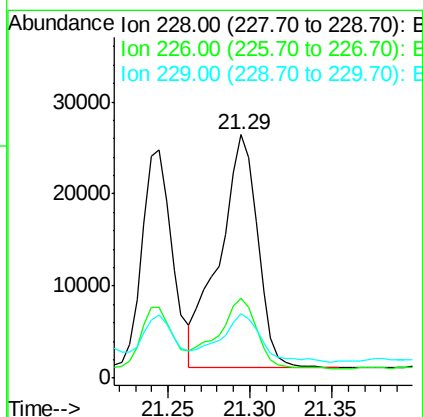
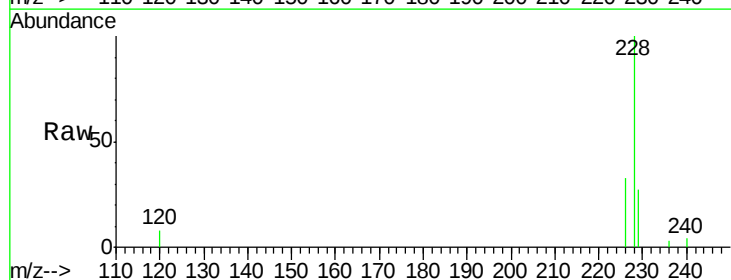
Tgt Ion:228 Resp: 40753

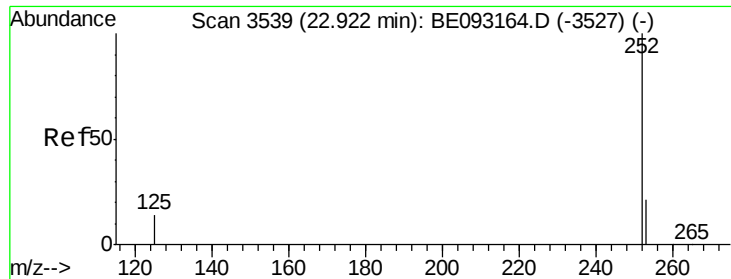
Ion Ratio Lower Upper

228 100

226 32.8 23.4 35.0

229 26.7 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.86 ng/u1

RT: 22.93 min Scan# 3541

Delta R.T. 0.01 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

Instrument :

BNA_E

ClientSampleId :

F5D36DL

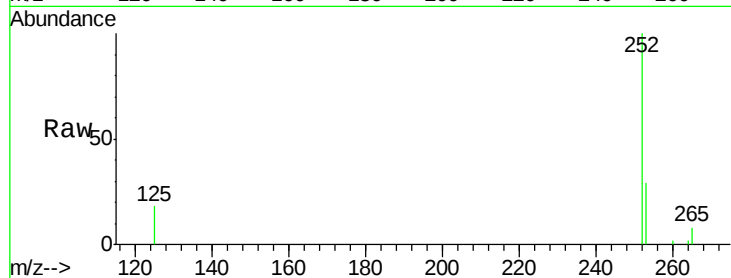
Tgt Ion:252 Resp: 85879

Ion Ratio Lower Upper

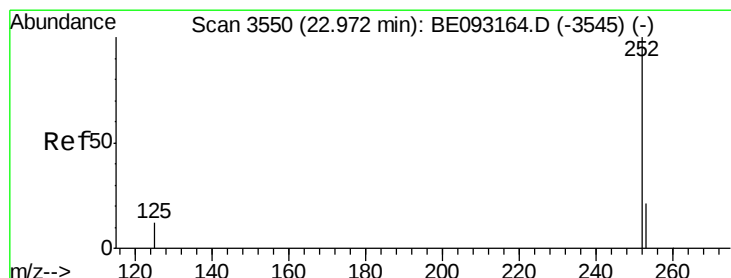
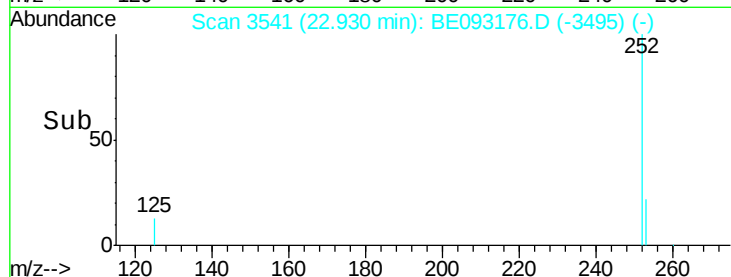
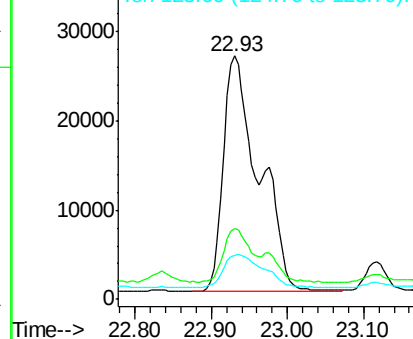
252 100

253 28.8 0.0 64.2

125 18.1 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: 0.81 ng/u1

RT: 22.93 min Scan# 3541

Delta R.T. -0.04 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

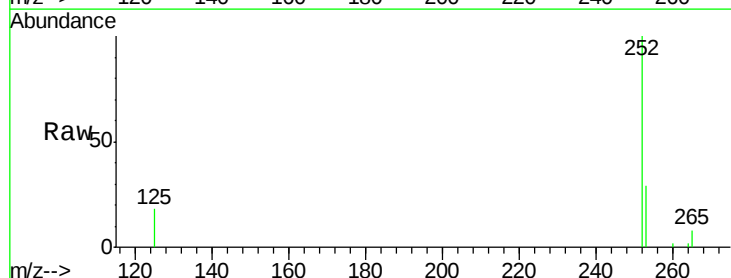
Tgt Ion:252 Resp: 85879

Ion Ratio Lower Upper

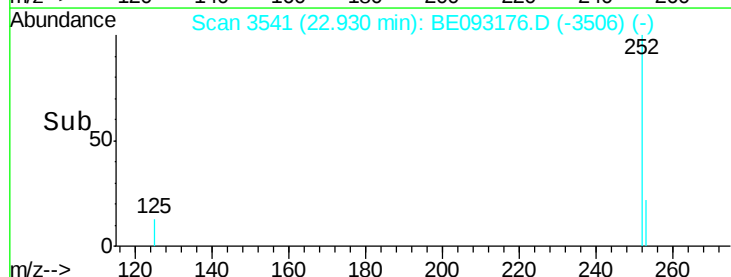
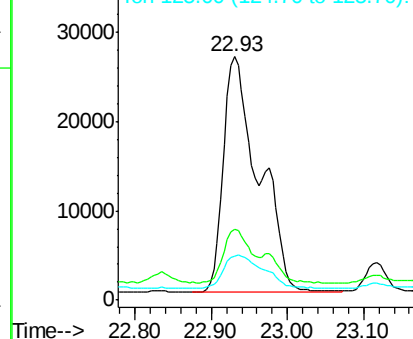
252 100

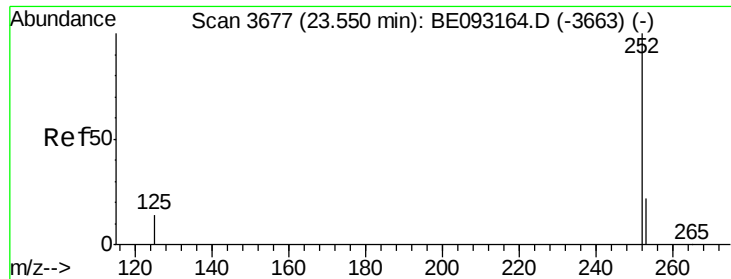
253 28.8 24.5 36.7

125 18.1 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: 0.33 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

Instrument :

BNA_E

ClientSampleId :

F5D36DL

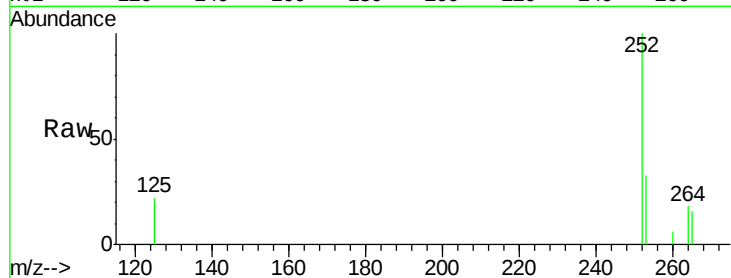
Tgt Ion:252 Resp: 31437

Ion Ratio Lower Upper

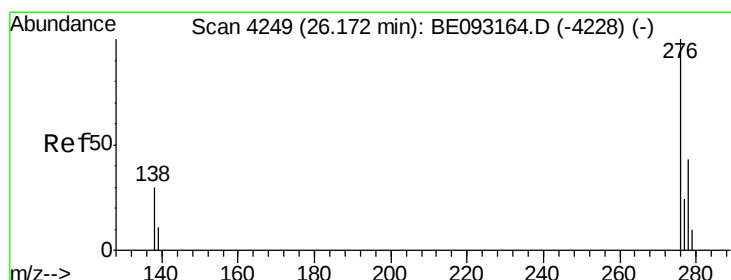
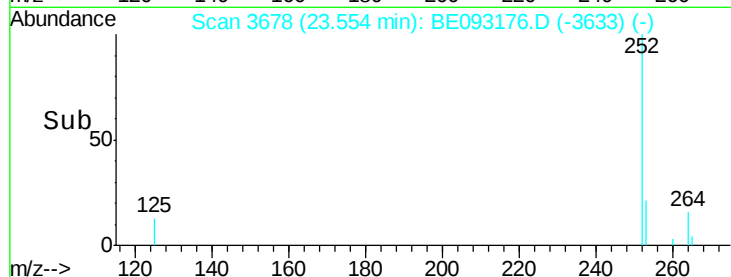
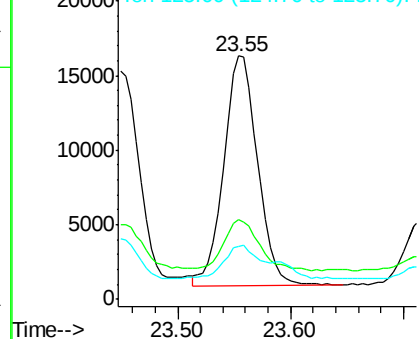
252 100

253 32.7 28.5 42.7

125 21.8 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: 0.18 ng/ul

RT: 26.18 min Scan# 4250

Delta R.T. 0.01 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

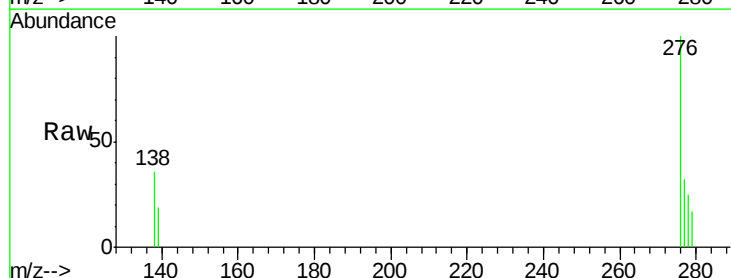
Tgt Ion:276 Resp: 19798

Ion Ratio Lower Upper

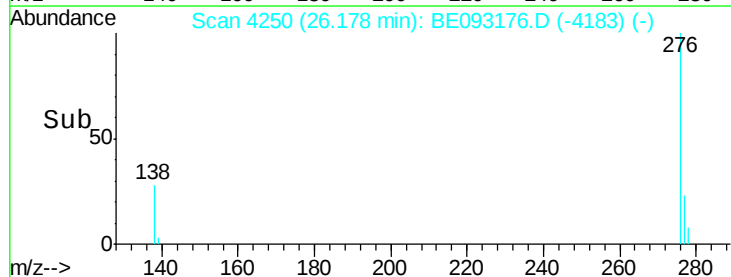
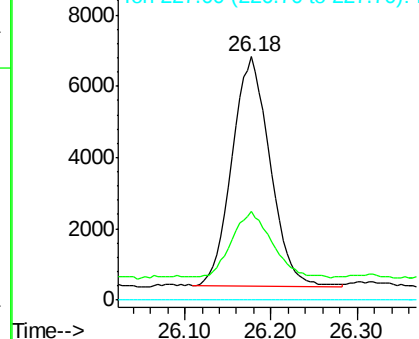
276 100

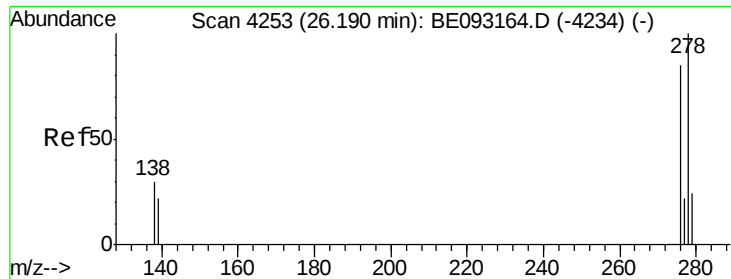
138 30.4 28.0 42.0

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: 0.06 ng/ul

RT: 26.19 min Scan# 4253

Delta R.T. 0.00 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

Instrument :

BNA_E

ClientSampleId :

F5D36DL

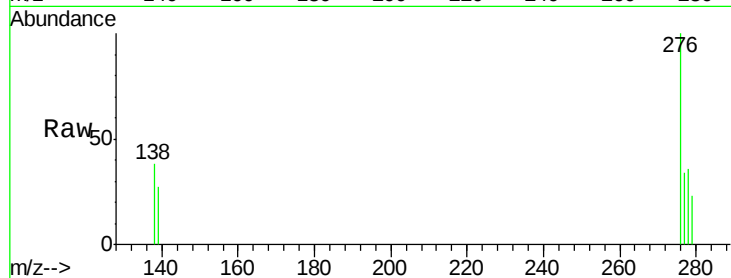
Tgt Ion:278 Resp: 5757

Ion Ratio Lower Upper

278 100

139 75.0 17.4 26.0#

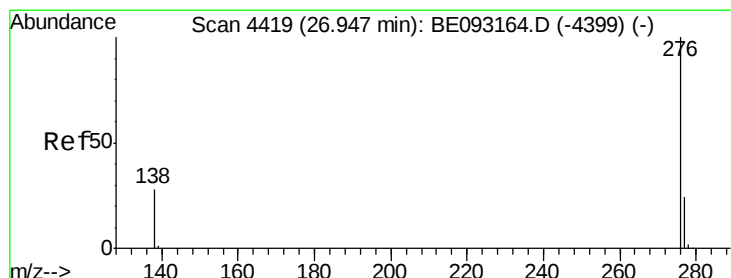
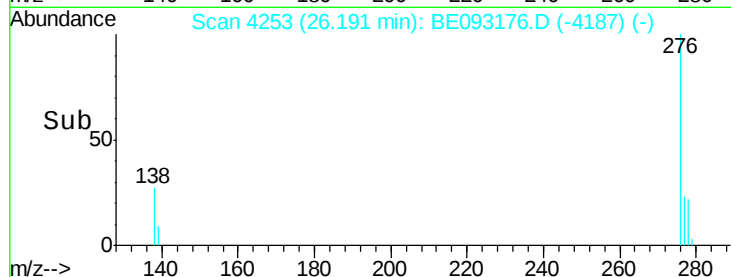
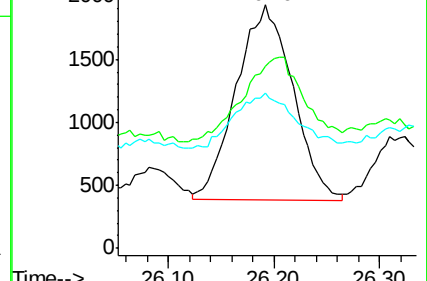
279 64.0 25.9 38.9#



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: 0.18 ng/ul

RT: 26.95 min Scan# 4420

Delta R.T. 0.01 min

Lab File: BE093176.D

Acq: 14 Jun 2017 19:10

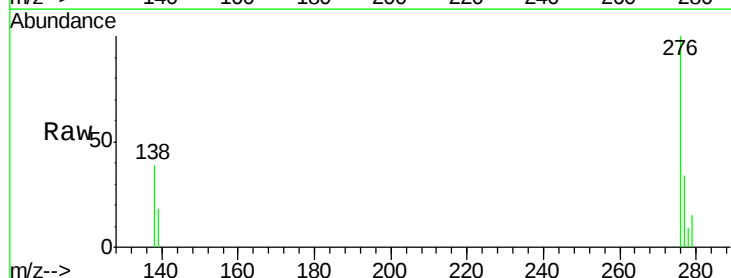
Tgt Ion:276 Resp: 16852

Ion Ratio Lower Upper

276 100

138 38.5 21.8 32.8#

277 33.7 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

