

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061917\
 Data File : BE093274.D
 Acq On : 20 Jun 2017 5:39
 Operator : SJ/MA
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 20 08:51:58 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 08:49:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1895	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	10225	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5841	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	14645	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	15175	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	13151	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	6476	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	16913	0.42	ng/ul	0.00

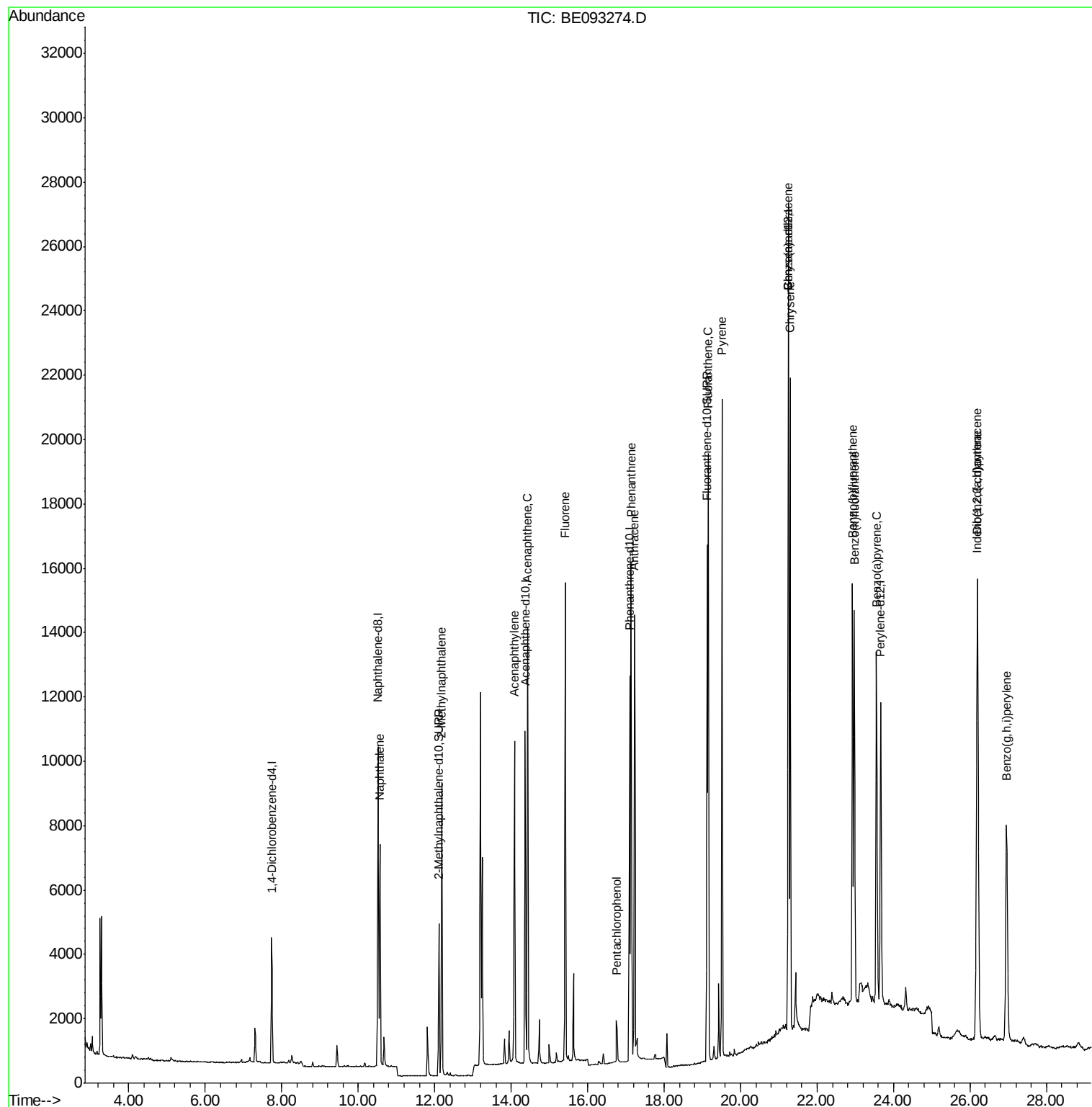
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.56	128	10376	0.41	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	7470	0.43	ng/ul	99
7) Acenaphthylene	14.09	152	12356	0.49	ng/ul	97
8) Acenaphthene	14.42	153	8355	0.41	ng/ul	97
9) Fluorene	15.42	166	9750	0.41	ng/ul#	94
11) Pentachlorophenol	16.75	266	1259	0.58	ng/ul	99
12) Phenanthrene	17.14	178	16552	0.41	ng/ul#	88
13) Anthracene	17.22	178	16978	0.48	ng/ul#	89
15) Fluoranthene	19.15	202	20019	0.41	ng/ul	84
17) Pyrene	19.51	202	21183	0.47	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	18720	0.46	ng/ul#	83
19) Chrysene	21.30	228	17146	0.41	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	16925	0.42	ng/ul	88
22) Benzo(k)fluoranthene	22.98	252	16045	0.38	ng/ul	91
23) Benzo(a)pyrene	23.55	252	16127	0.43	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	26.18	276	18015	0.41	ng/ul#	94
25) Dibenzo(a,h)anthracene	26.20	278	15023	0.41	ng/ul#	87
26) Benzo(g,h,i)perylene	26.96	276	14876	0.40	ng/ul#	93

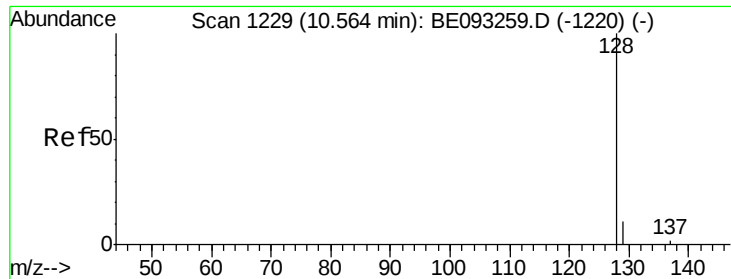
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093274.D

Acq: 20 Jun 2017 5:39

Instrument :

BNA_E

ClientSampleId :

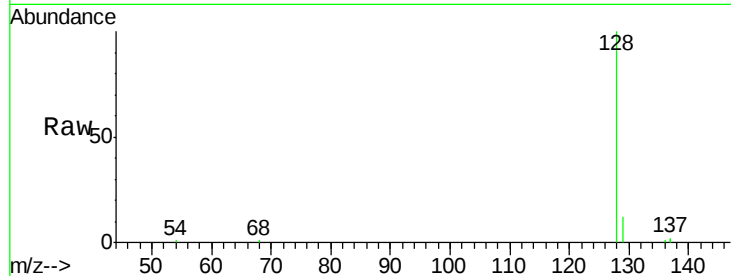
Tot Ion:128 Resp: 10376

Ion Ratio Lower Upper

128 100

129 11.5 11.3 16.9

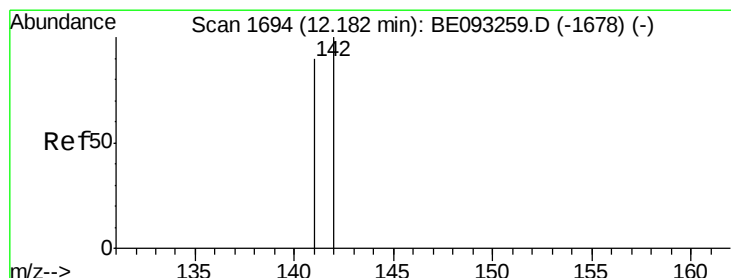
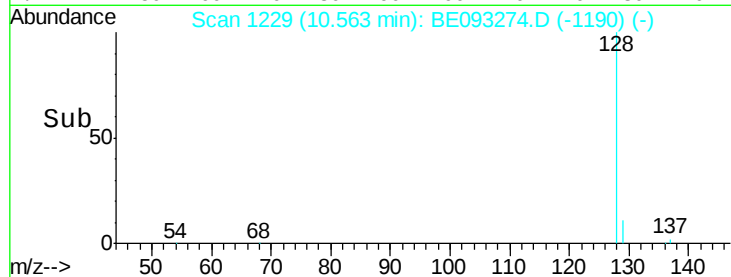
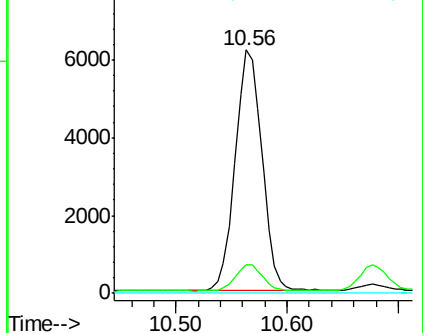
127 0.0 4.0 6.0#



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: BE093274.D

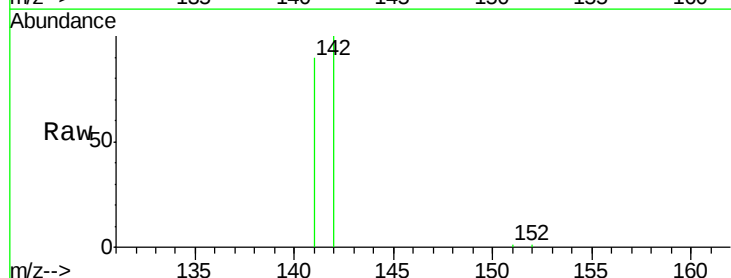
Acq: 20 Jun 2017 5:39

Tgt Ion:142 Resp: 7470

Ion Ratio Lower Upper

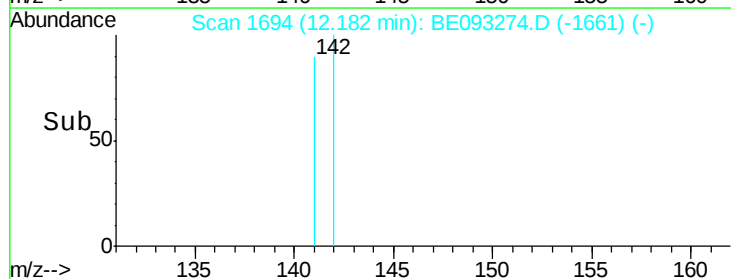
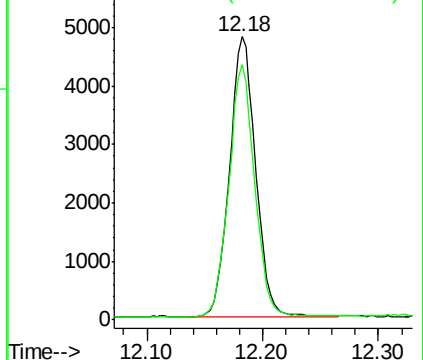
142 100

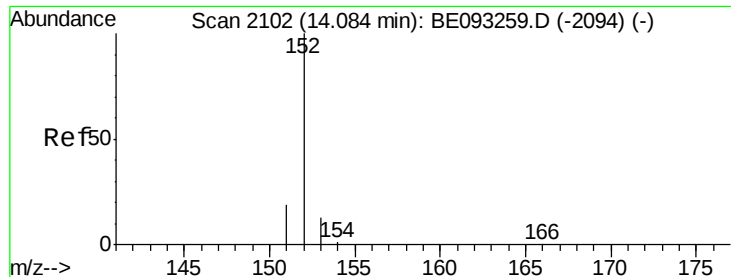
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.49 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093274.D

Acq: 20 Jun 2017 5:39

Instrument :

BNA_E

ClientSampleId :

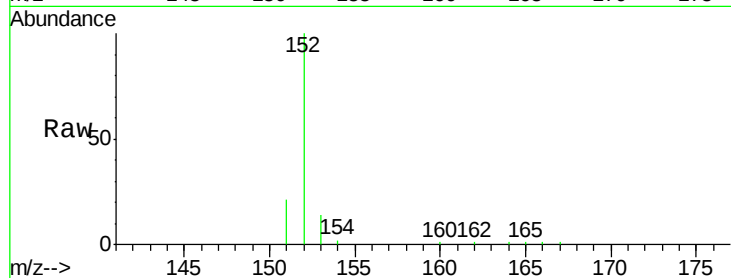
Tot Ion:152 Resp: 12356

Ion Ratio Lower Upper

152 100

151 20.5 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

10000

8000

6000

4000

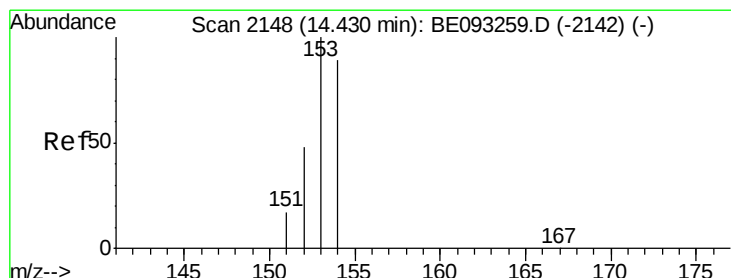
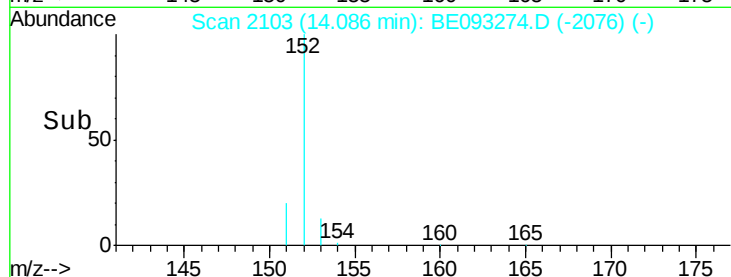
2000

0

14.09

14.00 14.20

Time-->



#8

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BE093274.D

Acq: 20 Jun 2017 5:39

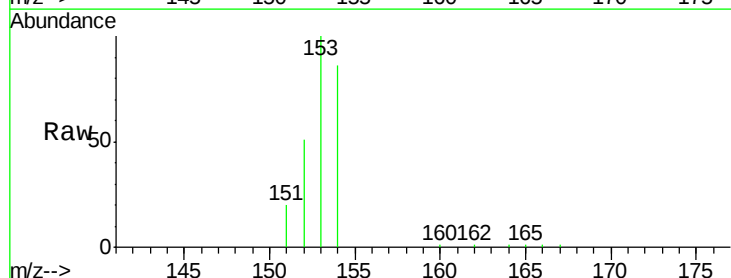
Tgt Ion:153 Resp: 8355

Ion Ratio Lower Upper

153 100

152 51.0 40.3 60.5

154 85.9 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

6000

4000

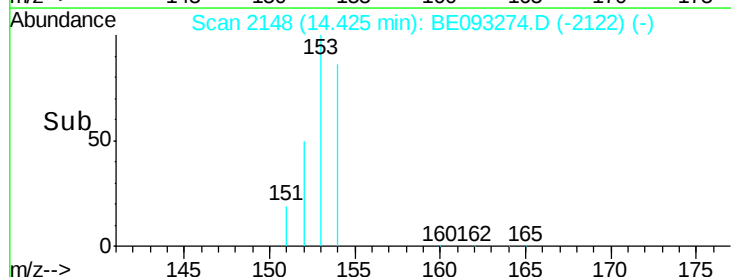
2000

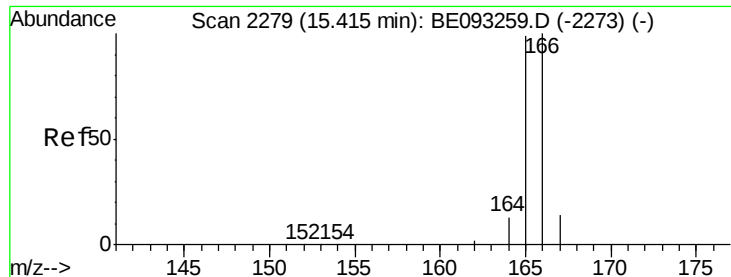
0

14.42

14.30 14.50 14.60

Time-->





#9

Fluorene

Concen: 0.41 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093274.D

Acq: 20 Jun 2017 5:39

Instrument :

BNA_E

ClientSampleId :

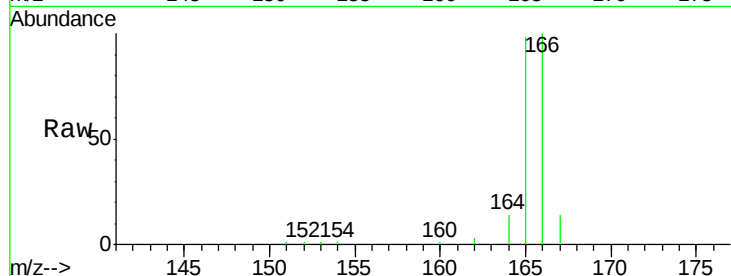
Tot Ion:166 Resp: 9750

Ion Ratio Lower Upper

166 100

165 97.5 73.4 110.2

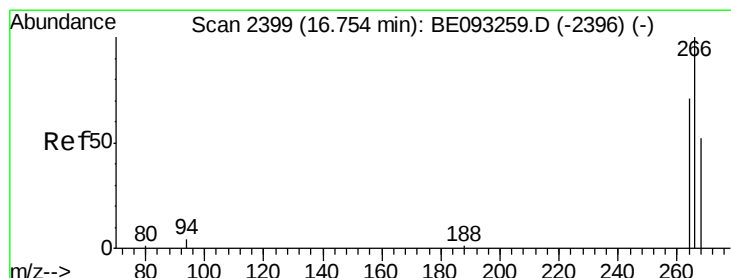
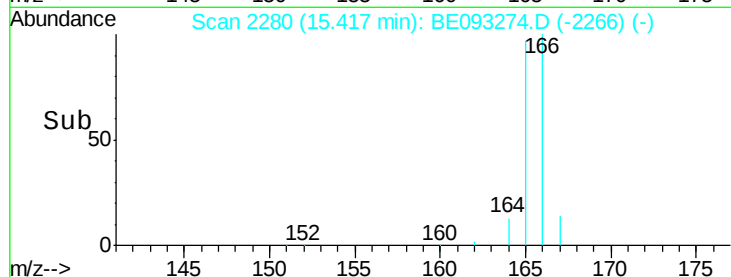
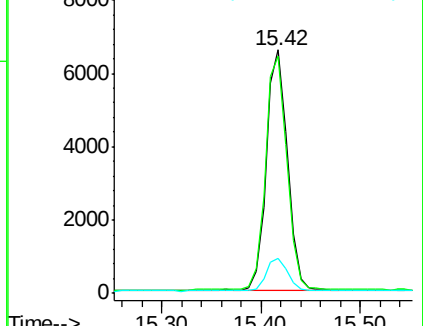
167 14.5 14.6 22.0#



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: 0.58 ng/ul

RT: 16.75 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BE093274.D

Acq: 20 Jun 2017 5:39

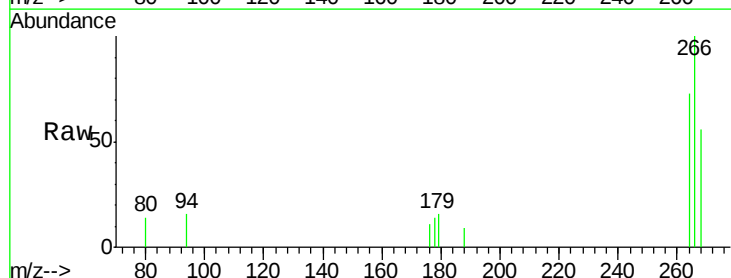
Tgt Ion:266 Resp: 1259

Ion Ratio Lower Upper

266 100

264 60.7 47.9 71.9

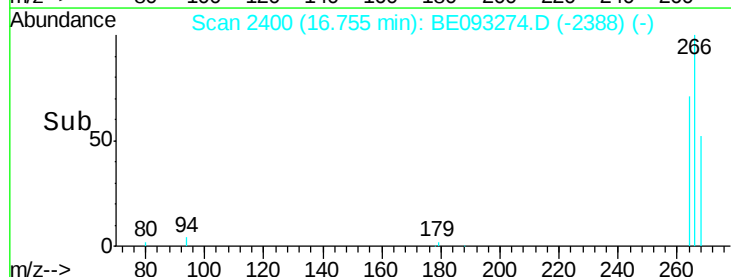
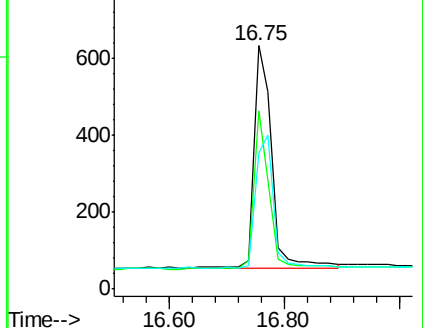
268 63.0 49.8 74.8

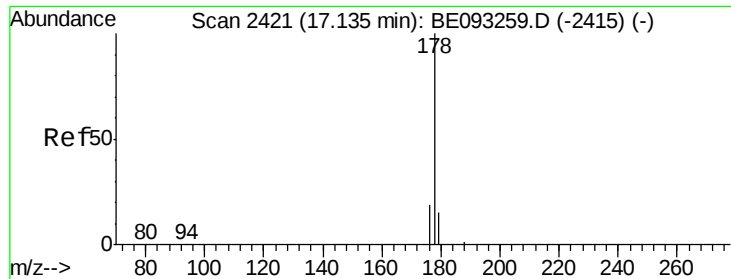


Abundance Ion 266.00 (265.70 to 266.70): E

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: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093274.D

Acq: 20 Jun 2017 5:39

Instrument :

BNA_E

ClientSampleId :

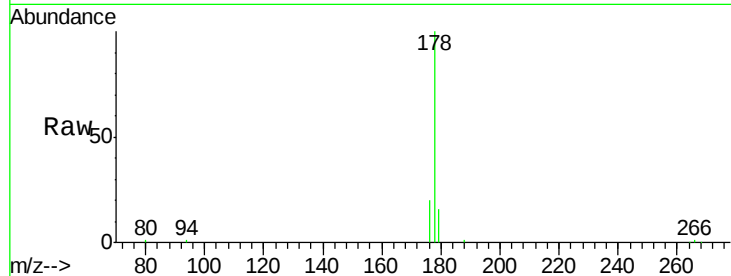
Tot Ion:178 Resp: 16552

Ion Ratio Lower Upper

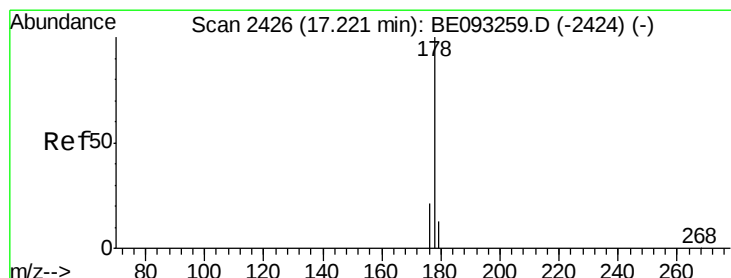
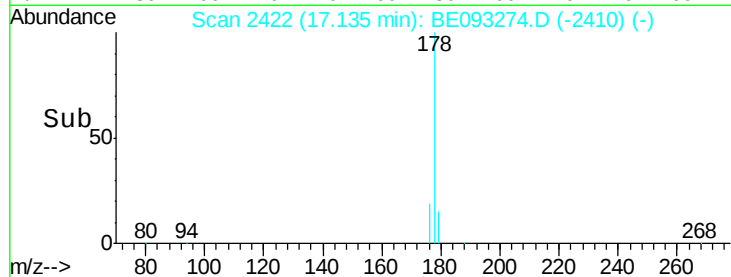
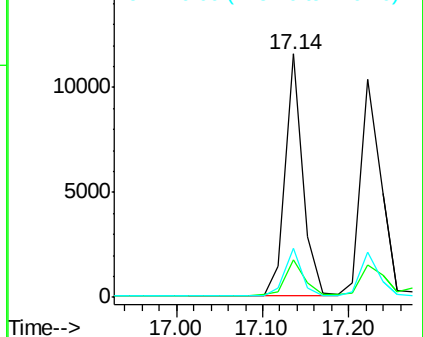
178 100

179 15.5 18.4 27.6#

176 19.9 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: 0.48 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093274.D

Acq: 20 Jun 2017 5:39

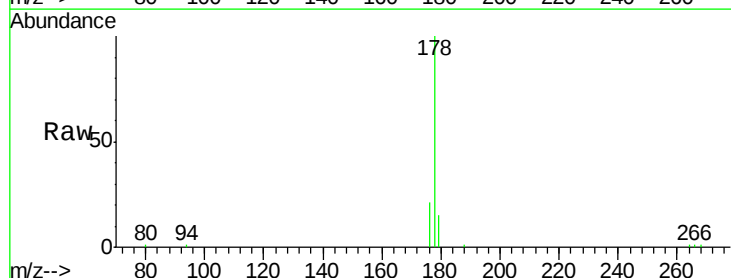
Tgt Ion:178 Resp: 16978

Ion Ratio Lower Upper

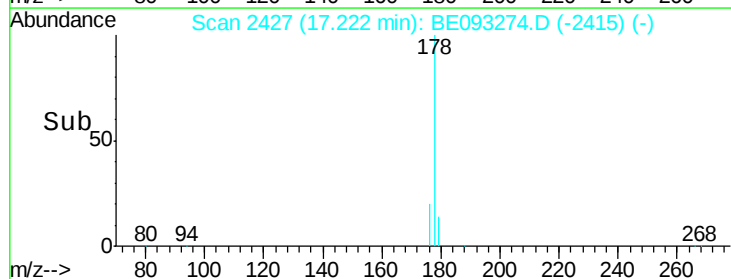
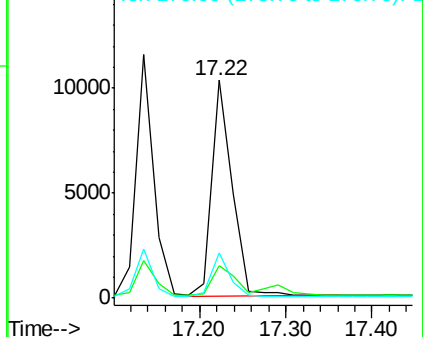
178 100

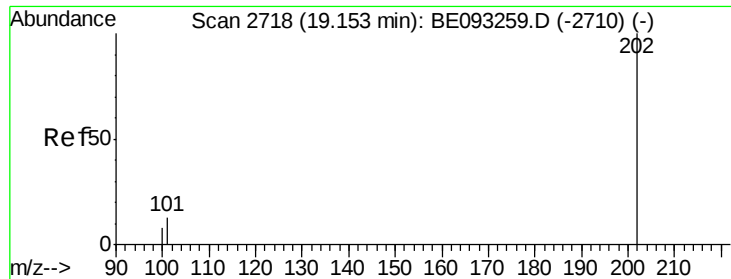
179 15.1 18.1 27.1#

176 20.9 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: 0.41 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE093274.D

Acq: 20 Jun 2017 5:39

Instrument :

BNA_E

ClientSampleId :

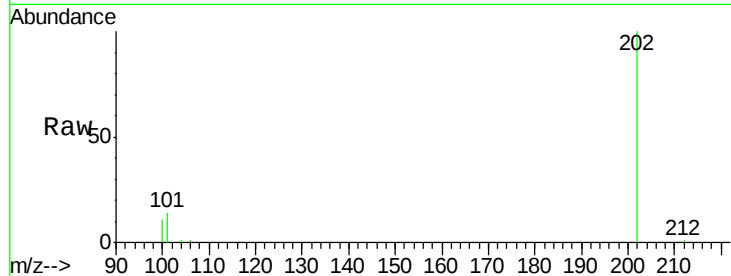
Tot Ion:202 Resp: 20019

Ion Ratio Lower Upper

202 100

101 14.2 0.0 30.3

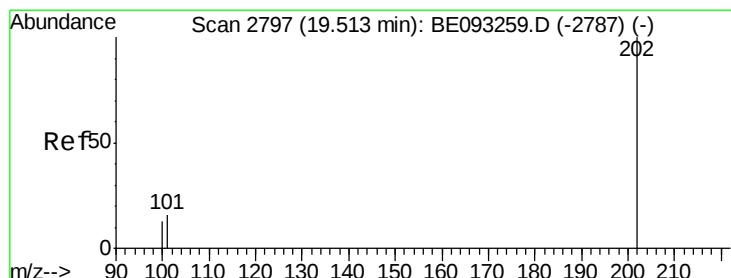
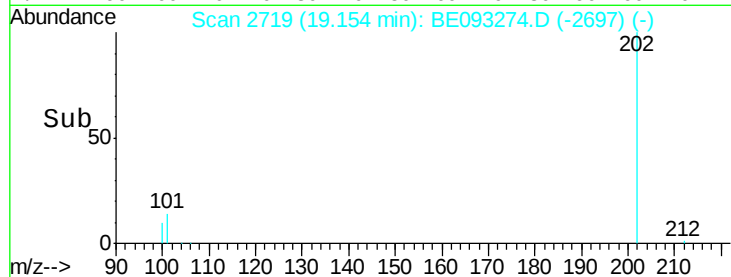
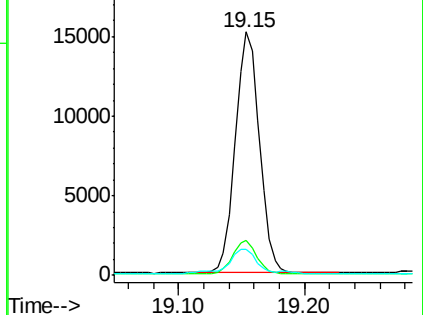
100 10.6 0.0 39.5



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: 0.47 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093274.D

Acq: 20 Jun 2017 5:39

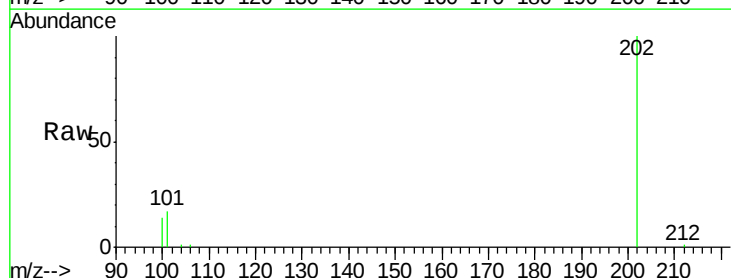
Tgt Ion:202 Resp: 21183

Ion Ratio Lower Upper

202 100

101 16.5 18.2 27.4#

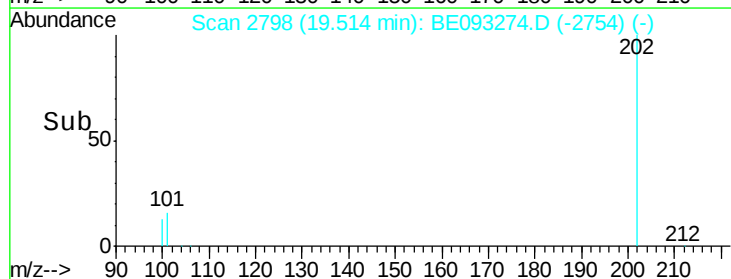
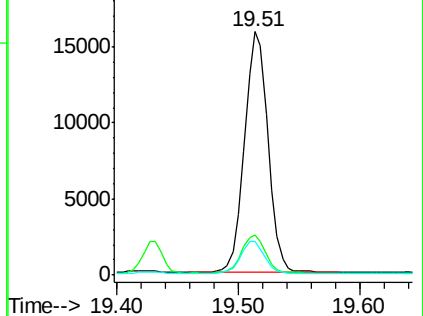
100 13.6 15.6 23.4#

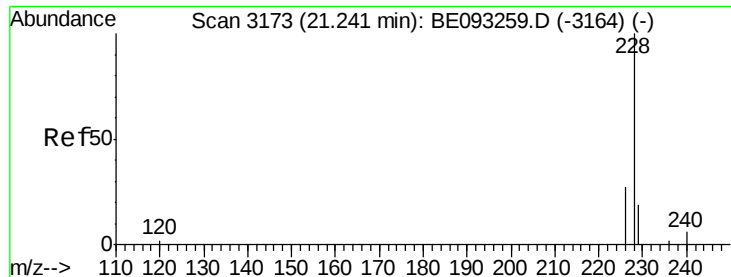


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.46 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093274.D

Acq: 20 Jun 2017 5:39

Instrument :

BNA_E

ClientSampleId :

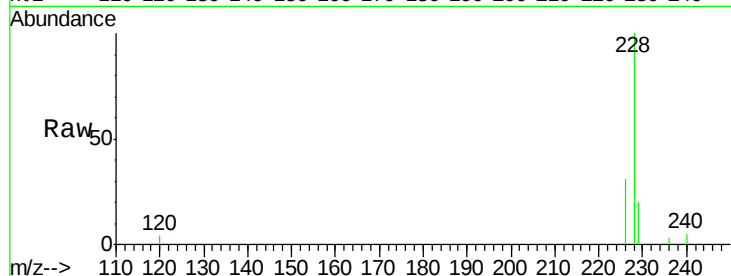
Tot Ion:228 Resp: 18720

Ion Ratio Lower Upper

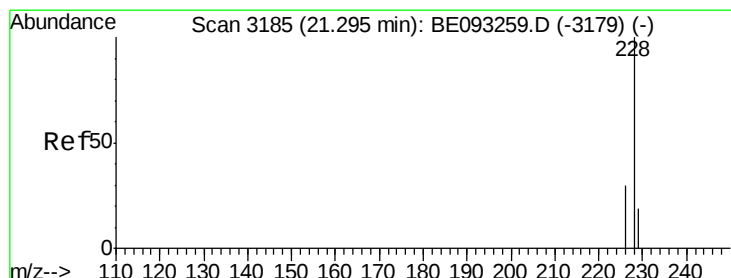
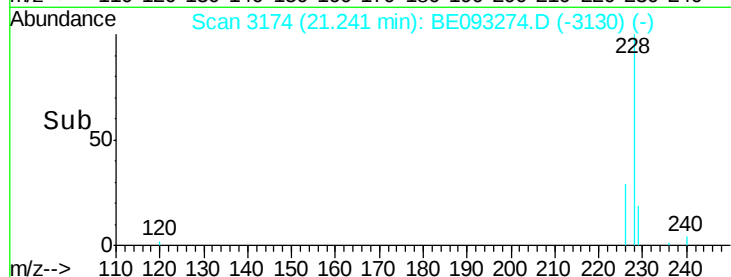
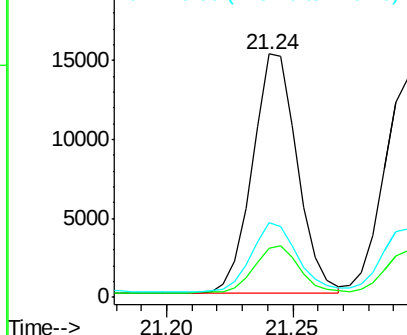
228 100

229 20.4 22.8 34.2#

226 30.8 17.0 25.6#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.41 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093274.D

Acq: 20 Jun 2017 5:39

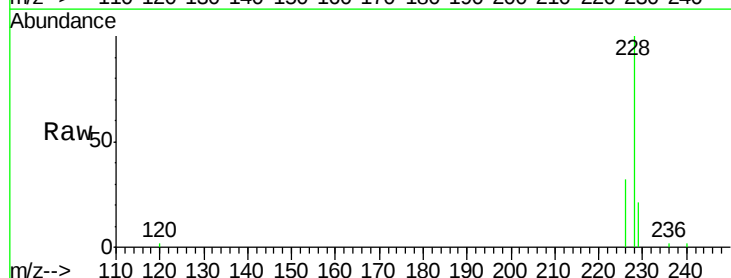
Tgt Ion:228 Resp: 17146

Ion Ratio Lower Upper

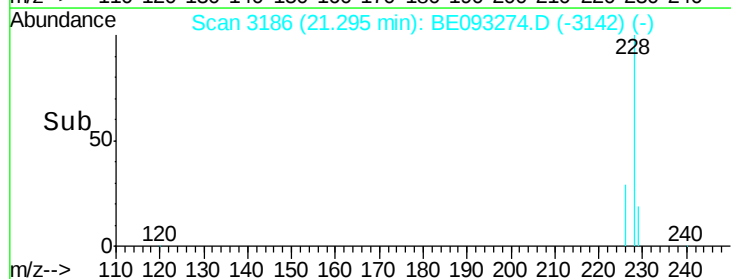
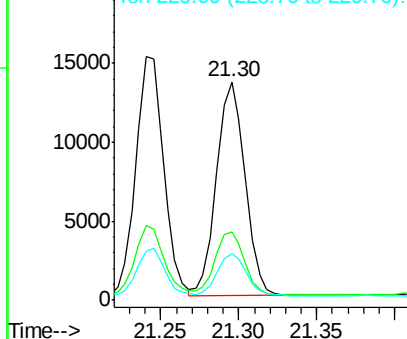
228 100

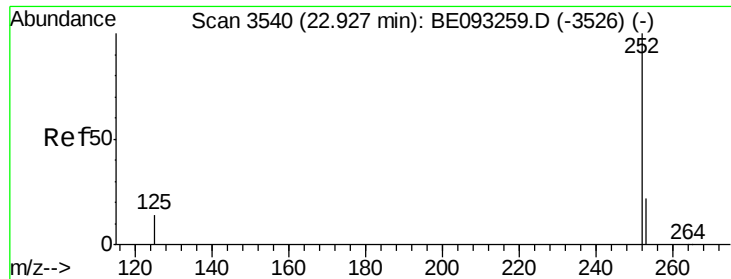
226 31.6 23.4 35.0

229 21.2 17.7 26.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.42 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. -0.00 min

Lab File: BE093274.D

Acq: 20 Jun 2017 5:39

Instrument :

BNA_E

ClientSampleId :

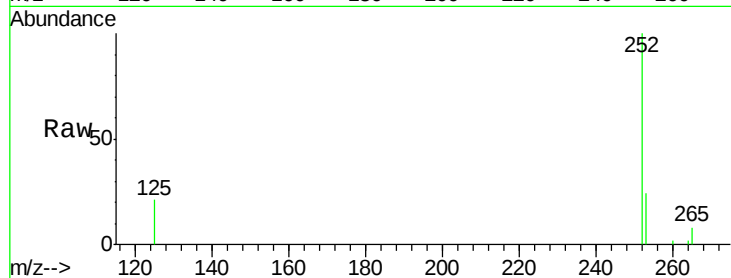
Tot Ion:252 Resp: 16925

Ion Ratio Lower Upper

252 100

253 24.3 0.0 64.2

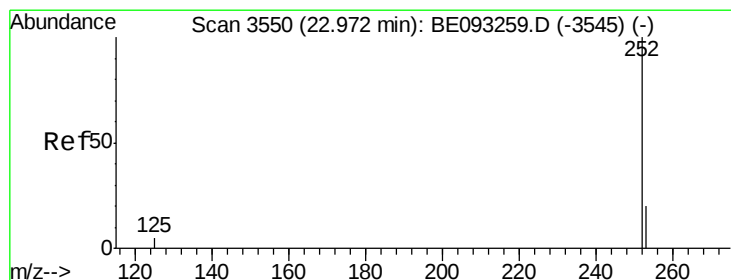
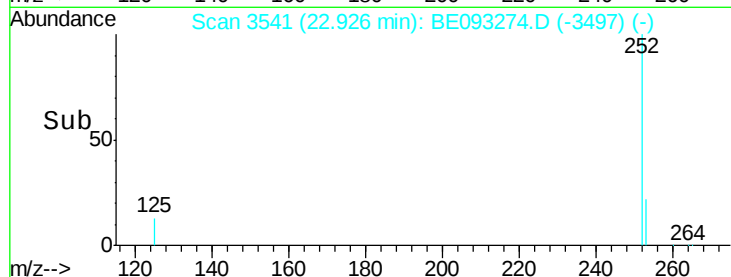
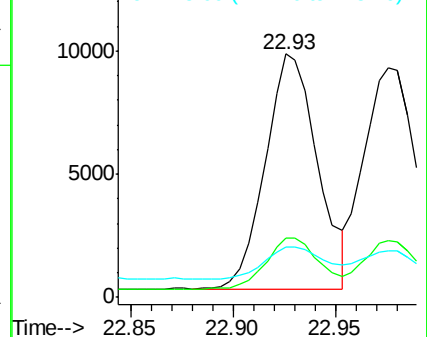
125 20.7 0.0 35.0



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/ul

RT: 22.98 min Scan# 3552

Delta R.T. 0.00 min

Lab File: BE093274.D

Acq: 20 Jun 2017 5:39

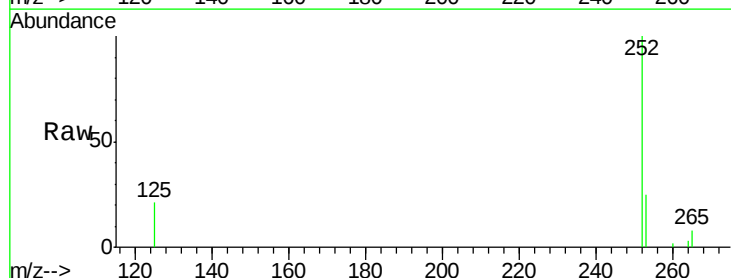
Tgt Ion:252 Resp: 16045

Ion Ratio Lower Upper

252 100

253 25.0 24.5 36.7

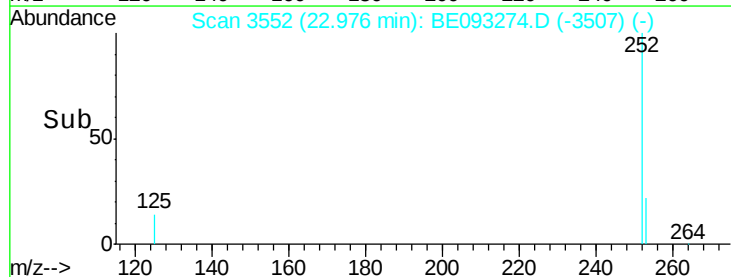
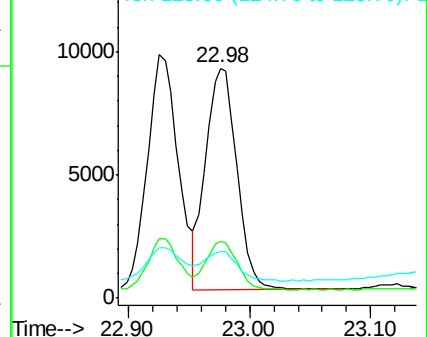
125 20.5 13.7 20.5

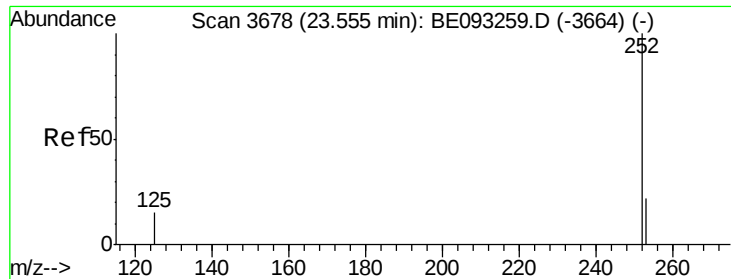


Abundance Ion 252.00 (251.70 to 252.70): E

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# 3679

Delta R.T. -0.00 min

Lab File: BE093274.D

Acq: 20 Jun 2017 5:39

Instrument :

BNA_E

ClientSampleId :

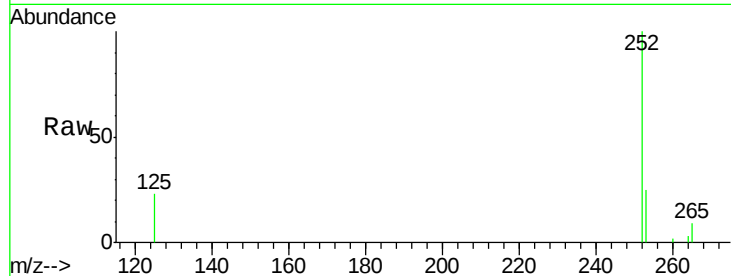
Tot Ion:252 Resp: 16127

Ion Ratio Lower Upper

252 100

253 25.0 28.5 42.7#

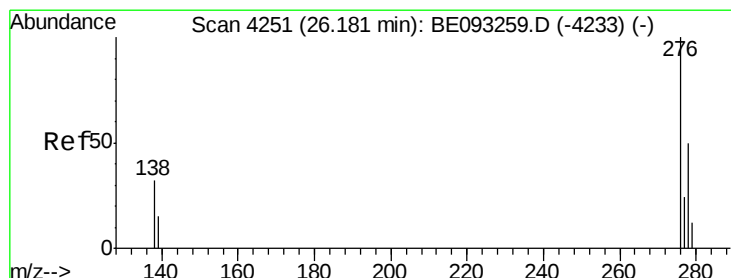
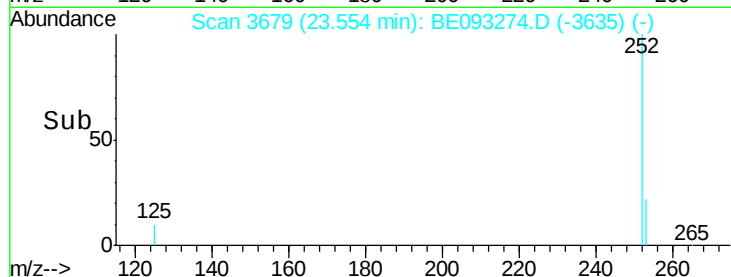
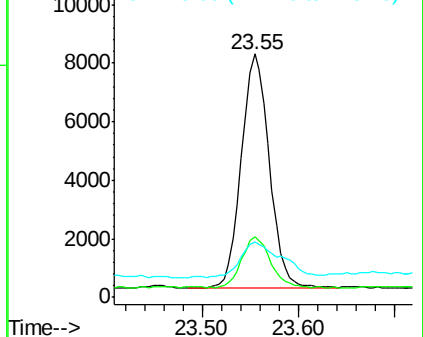
125 22.7 18.1 27.1



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: BE093274.D

Acq: 20 Jun 2017 5:39

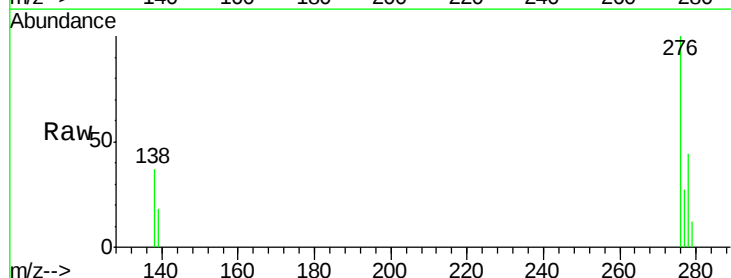
Tgt Ion:276 Resp: 18015

Ion Ratio Lower Upper

276 100

138 35.1 28.0 42.0

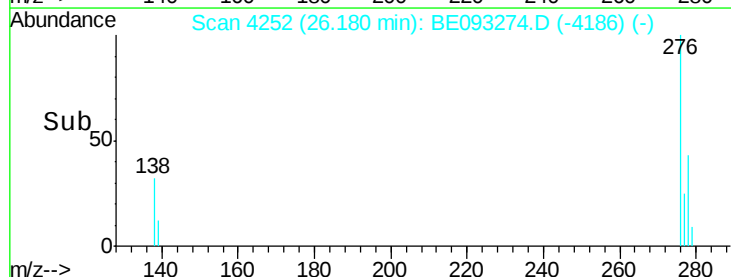
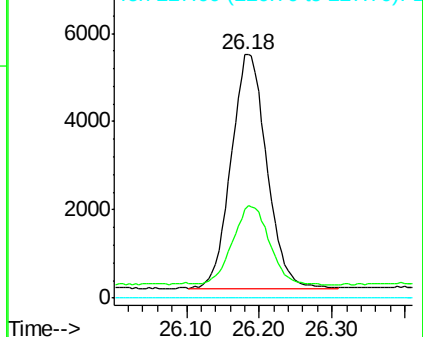
227 0.0 8.0 12.0#

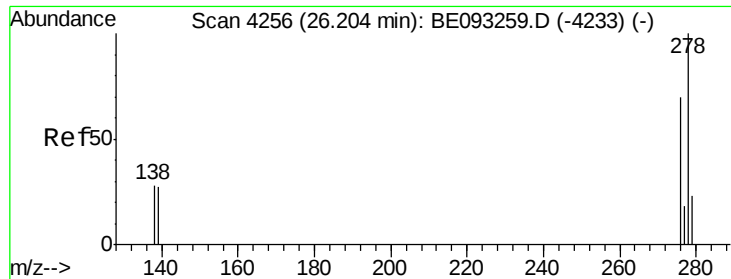


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

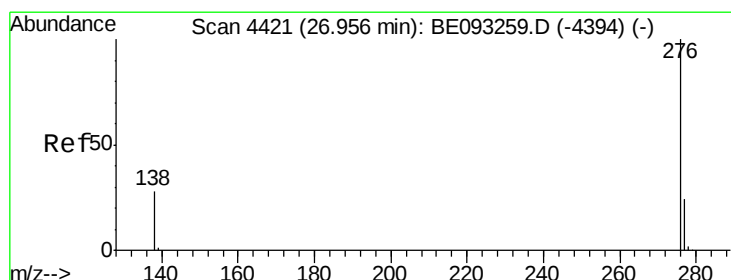
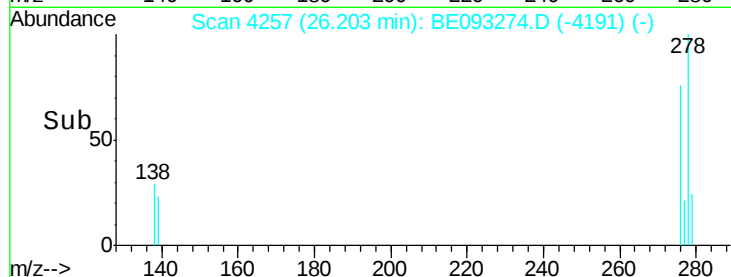
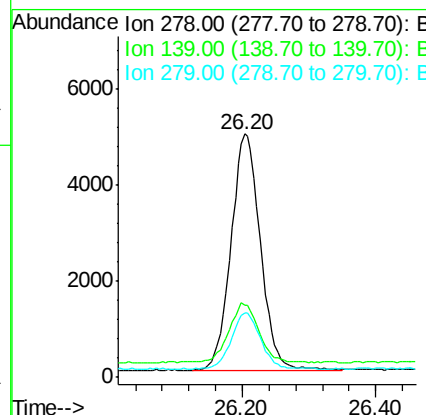
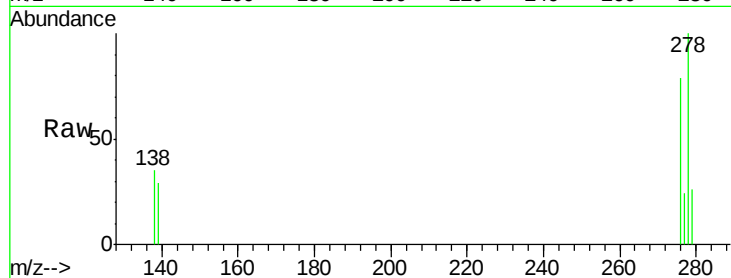




#25
Dibenzo(a,h)anthracene
Concen: 0.41 ng/ul
RT: 26.20 min Scan# 4257
Delta R.T. -0.00 min
Lab File: BE093274.D
Acq: 20 Jun 2017 5:39

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 15023
Ion Ratio Lower Upper
278 100
139 29.4 17.4 26.0#
279 26.4 25.9 38.9



#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: BE093274.D
Acq: 20 Jun 2017 5:39

Tgt Ion:276 Resp: 14876
Ion Ratio Lower Upper
276 100
138 33.9 21.8 32.8#
277 25.7 20.5 30.7

