

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
 Data File : BE093226.D
 Acq On : 16 Jun 2017 2:02
 Operator : SJ/MA
 Sample : I3521-05DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 16 05:37:36 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 05:36:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2683	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	13712	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	7653	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	18110	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	18898	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	16774	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	653	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	1793	0.04	ng/ul	0.00

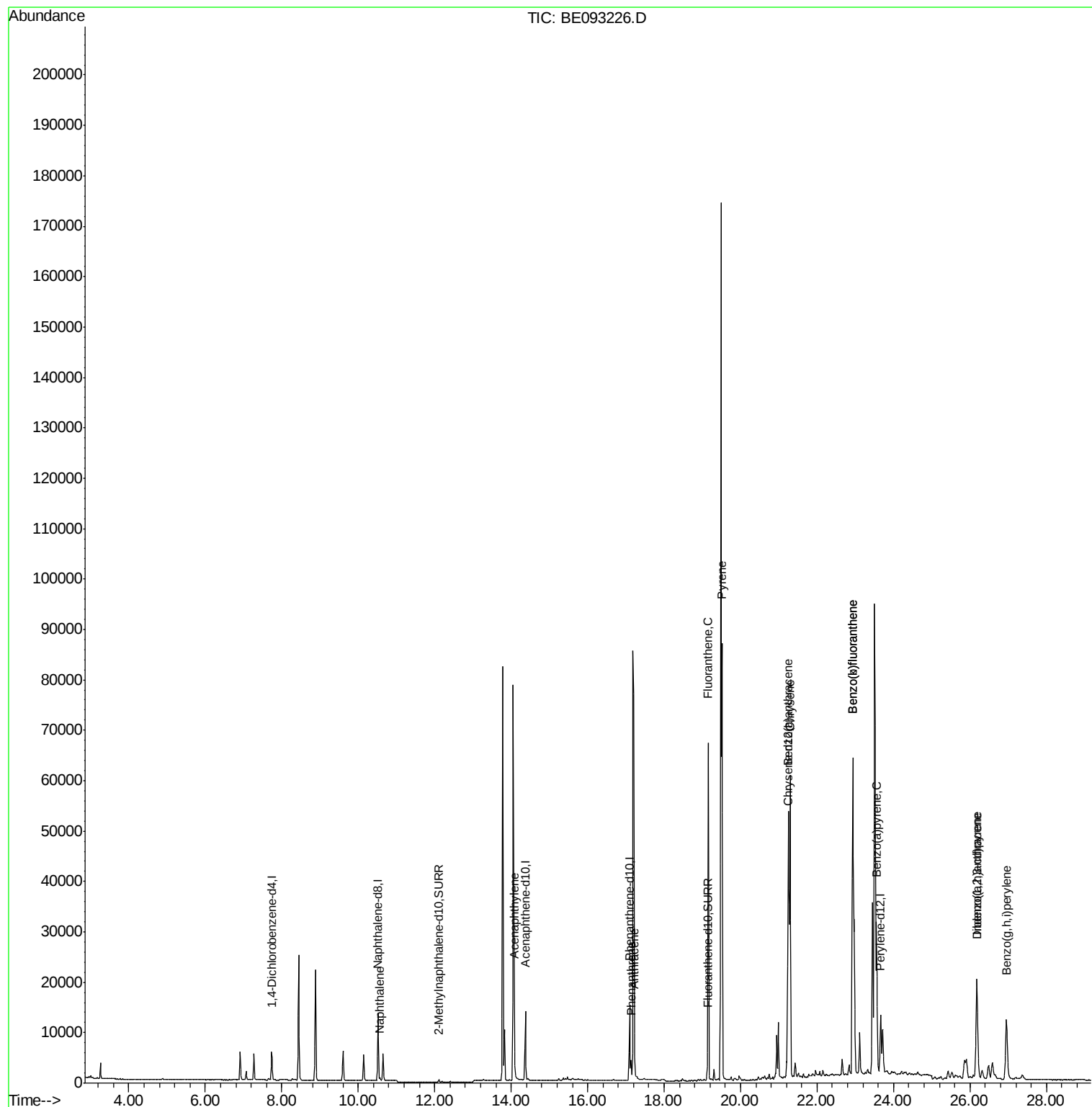
Target Compounds				Ovalue		
3) Naphthalene	10.56	128	704	0.02	ng/ul#	83
7) Acenaphthylene	14.08	152	8040	0.24	ng/ul	97
12) Phenanthrene	17.14	178	4222	0.08	ng/ul#	89
13) Anthracene	17.22	178	8377	0.19	ng/ul#	88
15) Fluoranthene	19.15	202	70016	1.15	ng/ul	84
17) Pyrene	19.51	202	85998	1.54	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	42629	0.85	ng/ul#	84
19) Chrysene	21.30	228	69335	1.33	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	141958	2.79	ng/ul	86
22) Benzo(k)fluoranthene	22.93	252	141958	2.63	ng/ul#	88
23) Benzo(a)pyrene	23.56	252	43271	0.90	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	33447	0.60	ng/ul#	85
25) Dibenzo(a,h)anthracene	26.20	278	8302	0.18	ng/ul#	89
26) Benzo(g,h,i)perylene	26.96	276	26403	0.55	ng/ul	96

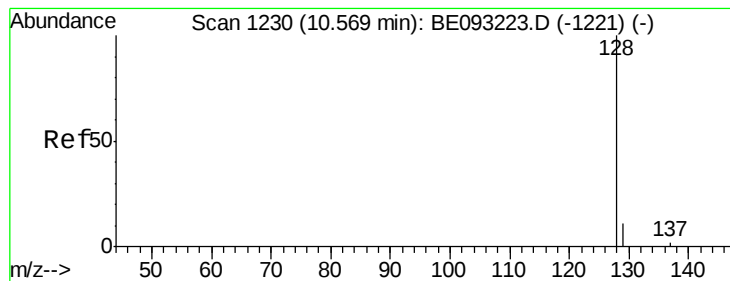
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.02 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.01 min

Lab File: BE093226.D

Acq: 16 Jun 2017 2:02

Instrument :

BNA_E

ClientSampleId :

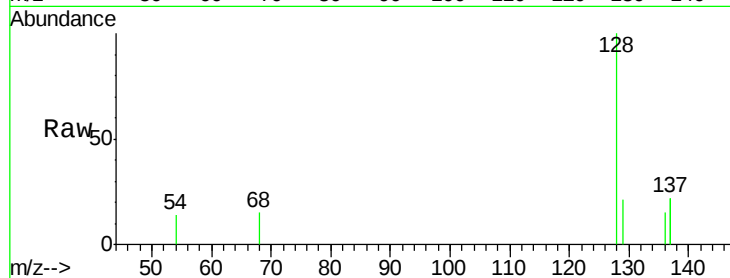
Tot Ion:128 Resp: 704

Ion Ratio Lower Upper

128 100

129 21.1 11.3 16.9#

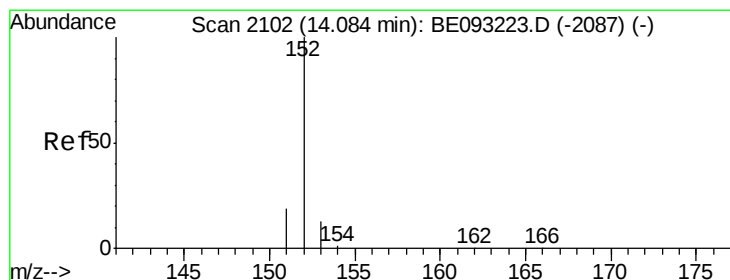
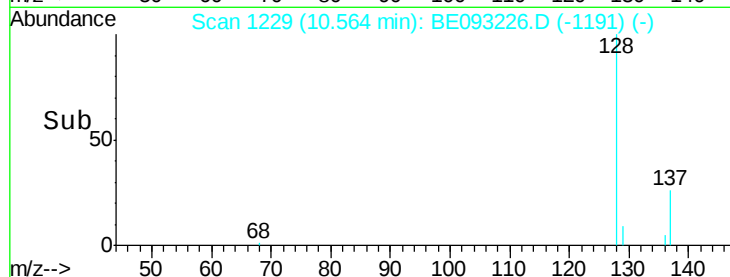
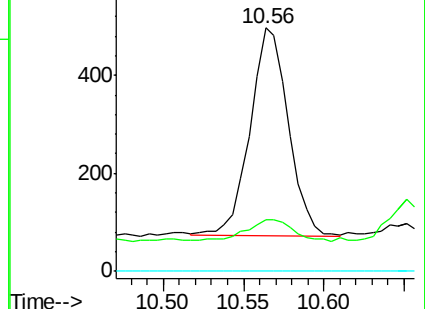
127 0.0 4.0 6.0#



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



#7

Acenaphthylene

Concen: 0.24 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BE093226.D

Acq: 16 Jun 2017 2:02

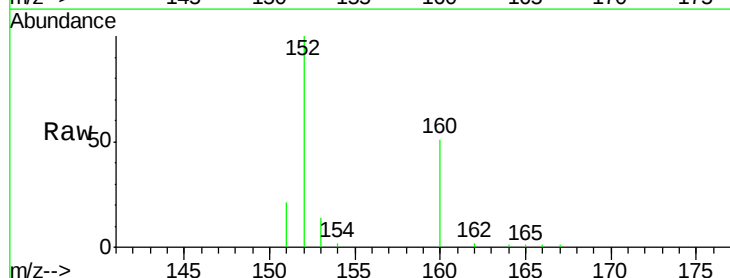
Tgt Ion:152 Resp: 8040

Ion Ratio Lower Upper

152 100

151 20.8 17.1 25.7

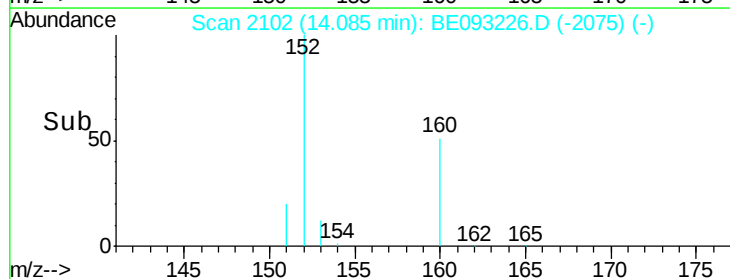
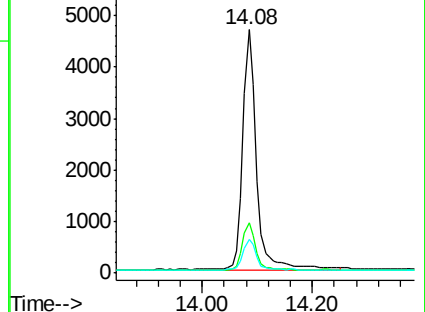
153 13.6 12.8 19.2

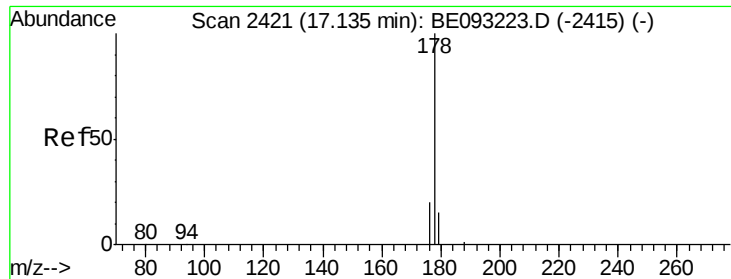


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

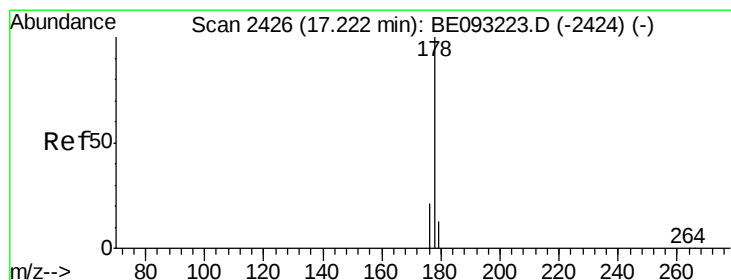
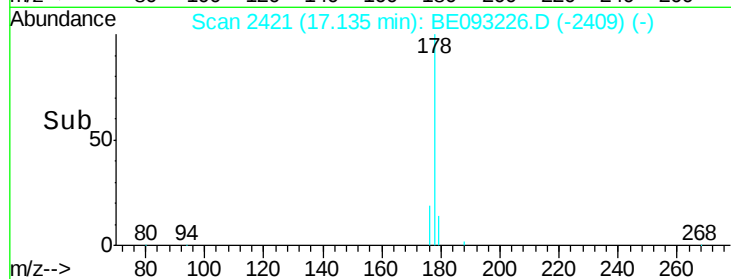
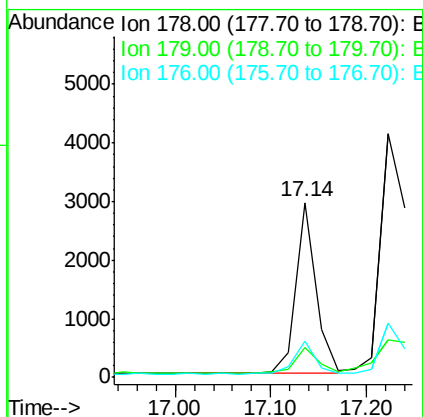
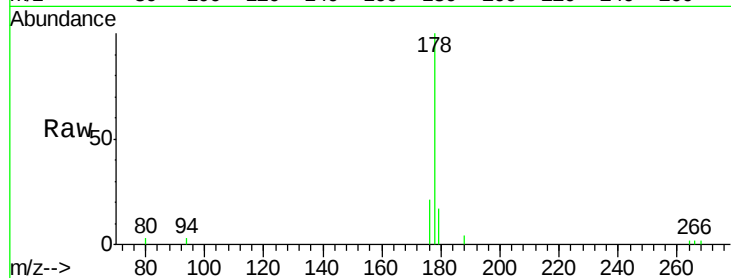




#12
Phenanthrene
Concen: 0.08 ng/ul
RT: 17.14 min Scan# 2421
Delta R.T. 0.00 min
Lab File: BE093226.D
Acq: 16 Jun 2017 2:02

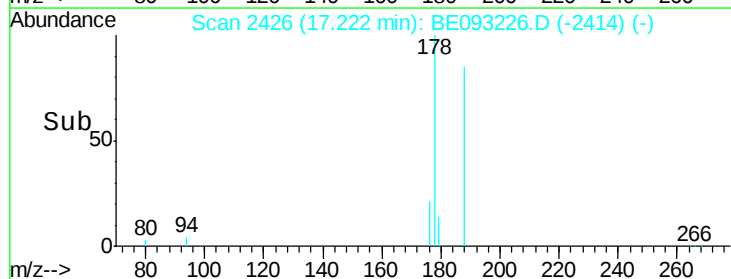
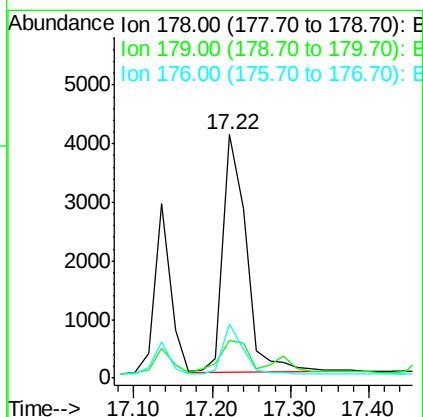
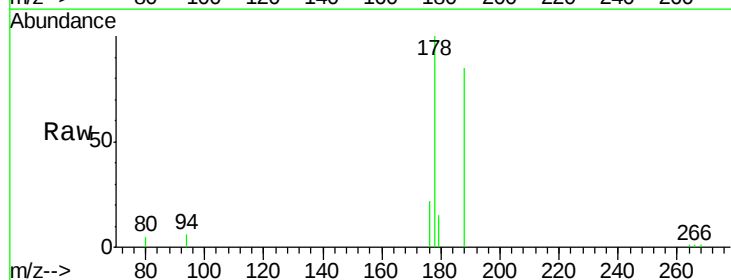
Instrument :
BNA_E
ClientSampled :

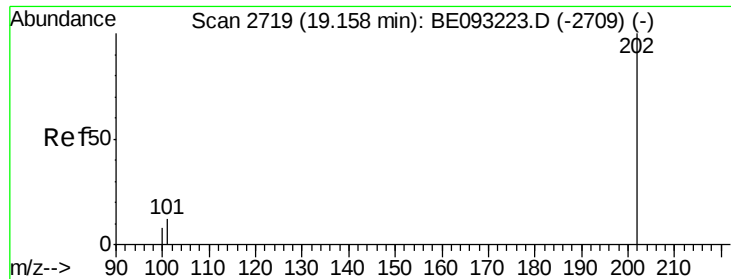
Tot Ion:178 Resp: 4222
Ion Ratio Lower Upper
178 100
179 16.8 18.4 27.6#
176 21.1 13.6 20.4#



#13
Anthracene
Concen: 0.19 ng/ul
RT: 17.22 min Scan# 2426
Delta R.T. 0.00 min
Lab File: BE093226.D
Acq: 16 Jun 2017 2:02

Tgt Ion:178 Resp: 8377
Ion Ratio Lower Upper
178 100
179 15.4 18.1 27.1#
176 22.3 14.7 22.1#





#15

Fluoranthene

Concen: 1.15 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093226.D

Acq: 16 Jun 2017 2:02

Instrument :

BNA_E

ClientSampleId :

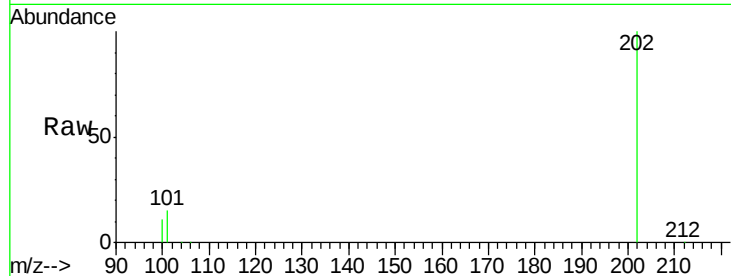
Tot Ion:202 Resp: 70016

Ion Ratio Lower Upper

202 100

101 14.5 0.0 30.3

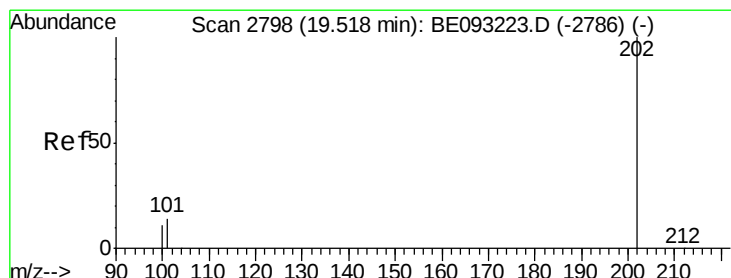
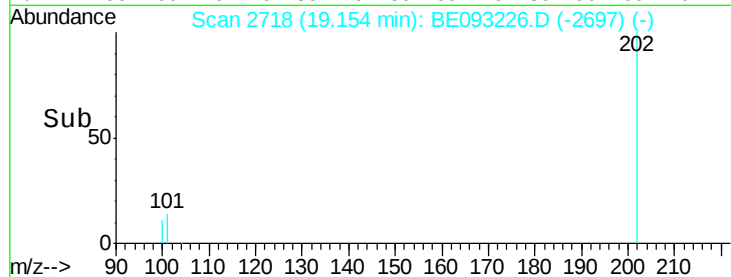
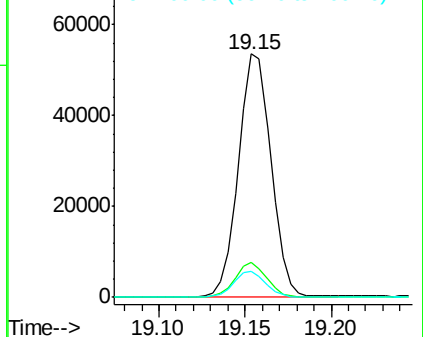
100 10.9 0.0 39.5



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: 1.54 ng/ul

RT: 19.51 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BE093226.D

Acq: 16 Jun 2017 2:02

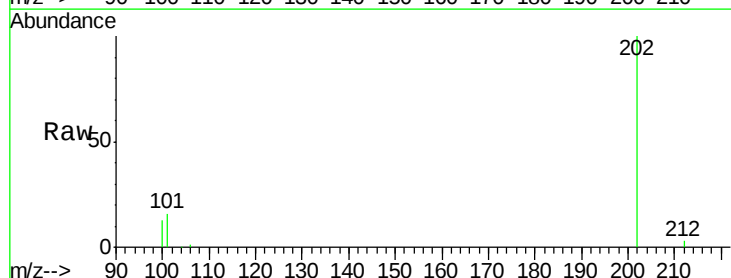
Tgt Ion:202 Resp: 85998

Ion Ratio Lower Upper

202 100

101 16.2 18.2 27.4#

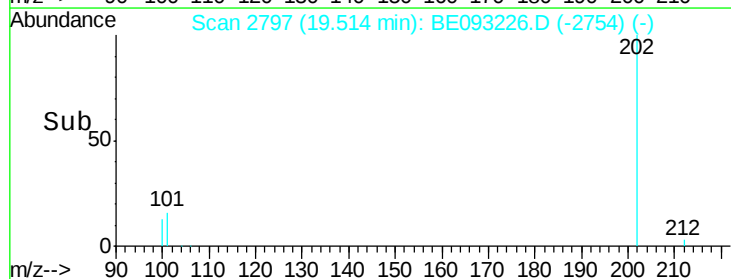
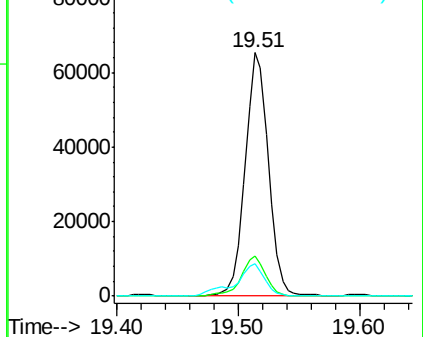
100 13.3 15.6 23.4#

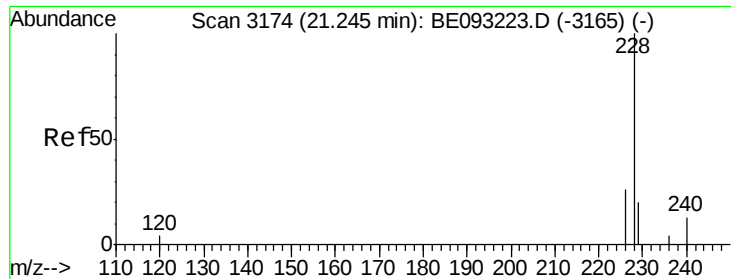


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

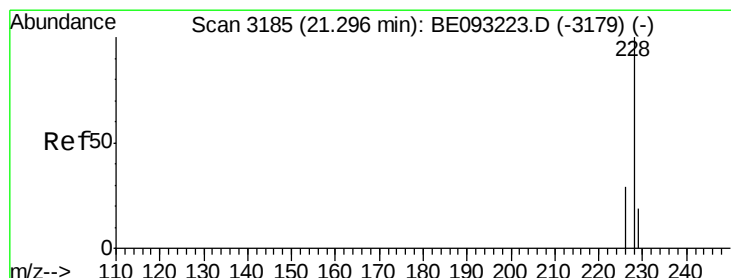
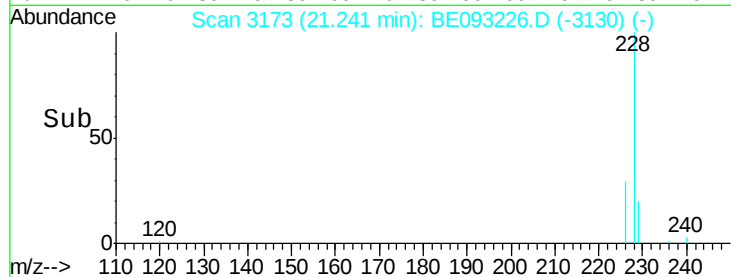
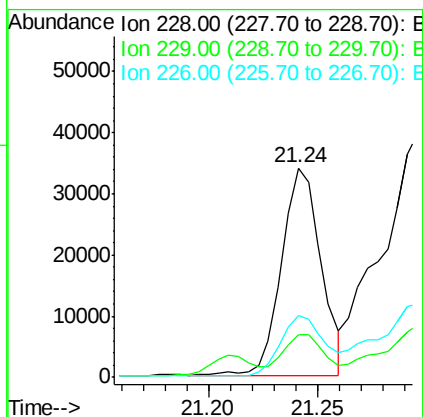
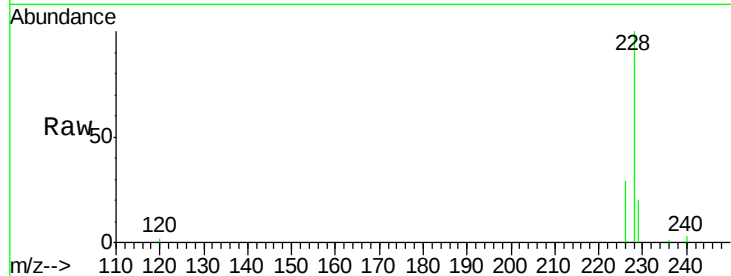




#18
Benzo(a)anthracene
Concen: 0.85 ng/ul
RT: 21.24 min Scan# 3173
Delta R.T. -0.00 min
Lab File: BE093226.D
Acq: 16 Jun 2017 2:02

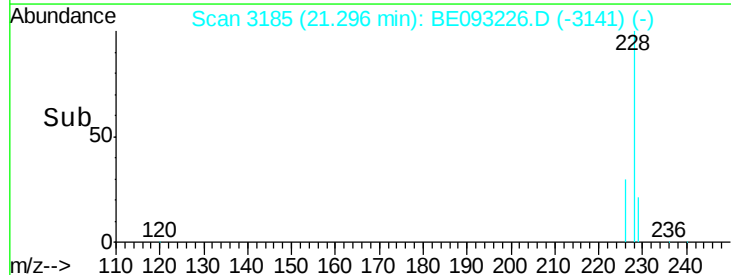
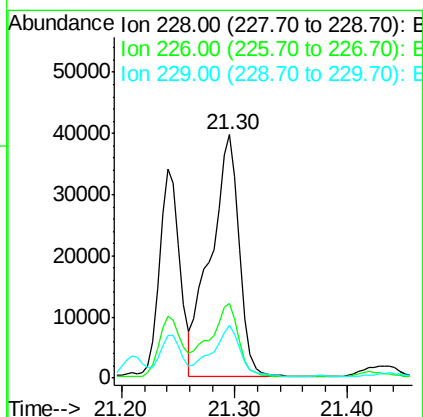
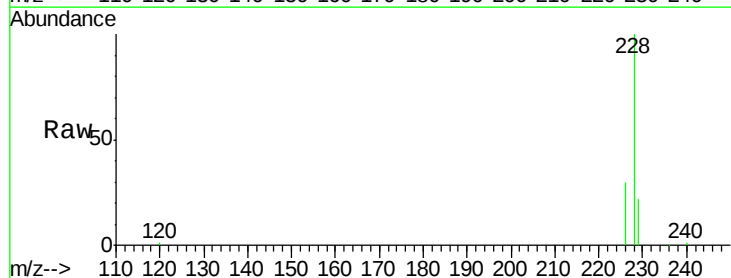
Instrument :
BNA_E
ClientSampled :

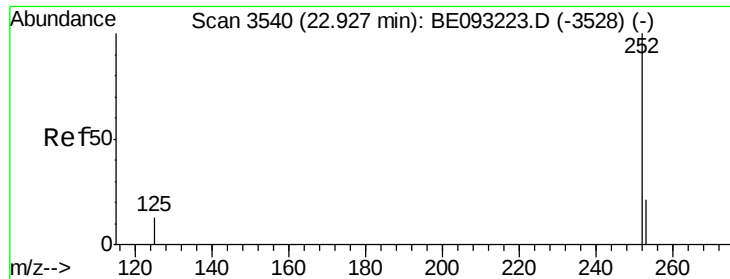
Tot Ion:228 Resp: 42629
Ion Ratio Lower Upper
228 100
229 20.5 22.8 34.2#
226 29.4 17.0 25.6#



#19
Chrysene
Concen: 1.33 ng/ul
RT: 21.30 min Scan# 3185
Delta R.T. 0.00 min
Lab File: BE093226.D
Acq: 16 Jun 2017 2:02

Tgt Ion:228 Resp: 69335
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.0
229 21.5 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 2.79 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093226.D

Acq: 16 Jun 2017 2:02

Instrument :

BNA_E

ClientSampleId :

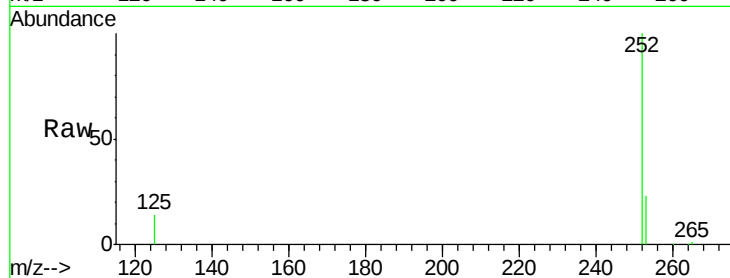
Tot Ion:252 Resp: 141958

Ion Ratio Lower Upper

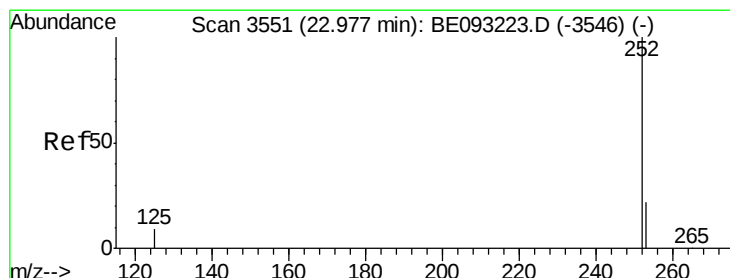
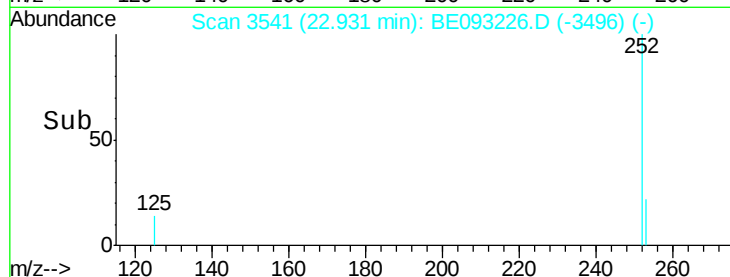
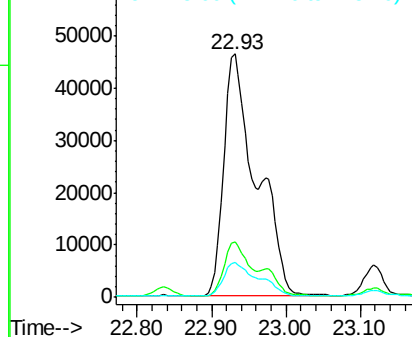
252 100

253 22.8 0.0 64.2

125 14.2 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: 2.63 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. -0.05 min

Lab File: BE093226.D

Acq: 16 Jun 2017 2:02

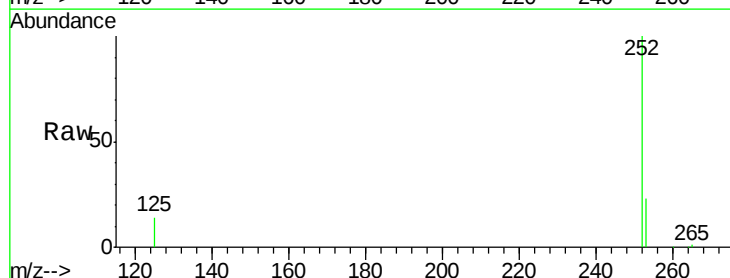
Tgt Ion:252 Resp: 141958

Ion Ratio Lower Upper

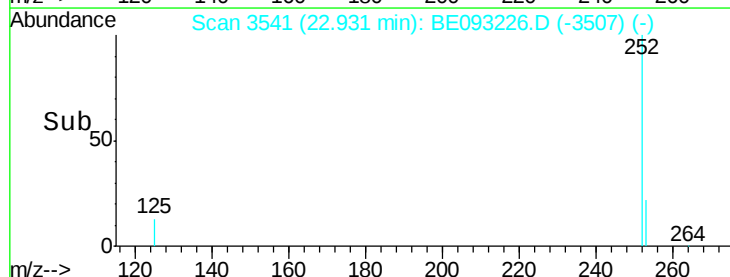
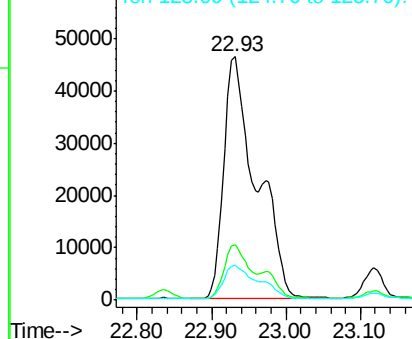
252 100

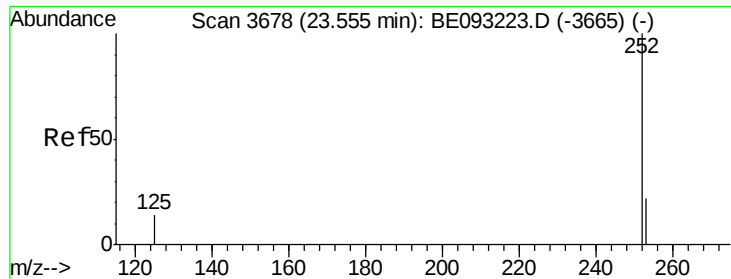
253 22.8 24.5 36.7#

125 14.2 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: 0.90 ng/ul

RT: 23.56 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BE093226.D

Acq: 16 Jun 2017 2:02

Instrument :

BNA_E

ClientSampleId :

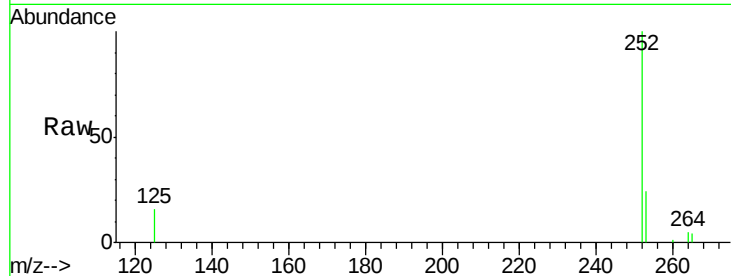
Tot Ion:252 Resp: 43271

Ion Ratio Lower Upper

252 100

253 23.9 28.5 42.7#

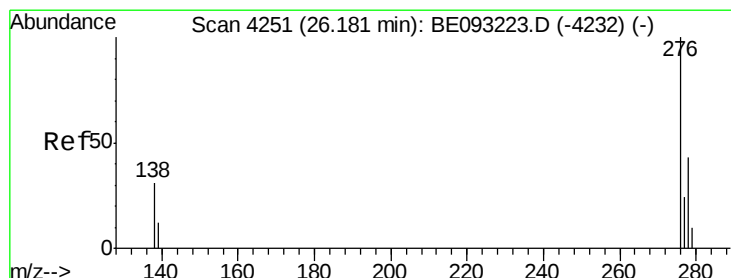
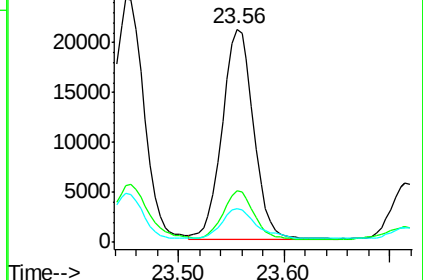
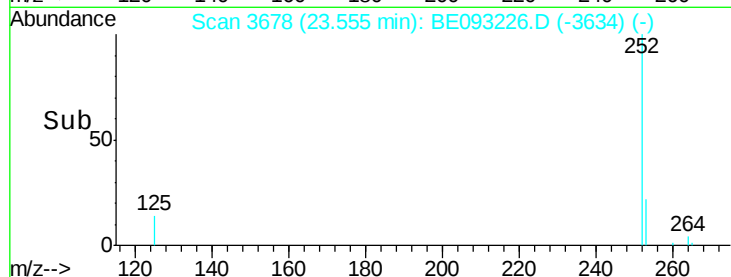
125 15.5 18.1 27.1#



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: 0.60 ng/ul

RT: 26.18 min Scan# 4251

Delta R.T. 0.00 min

Lab File: BE093226.D

Acq: 16 Jun 2017 2:02

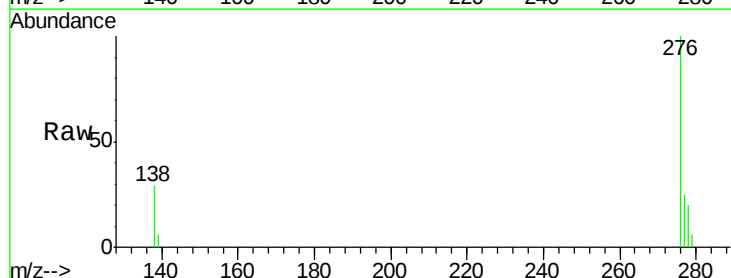
Tgt Ion:276 Resp: 33447

Ion Ratio Lower Upper

276 100

138 28.5 28.0 42.0

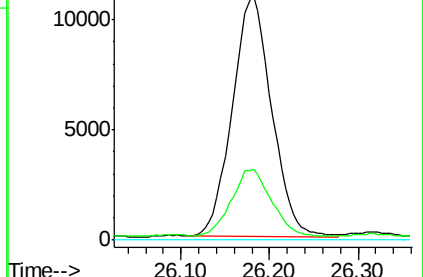
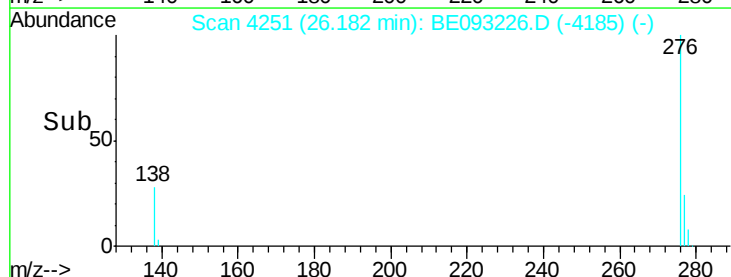
227 0.0 8.0 12.0#

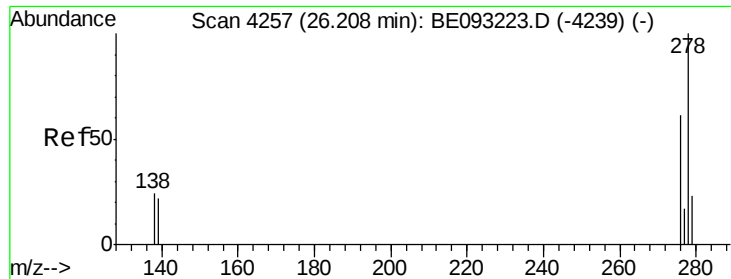


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

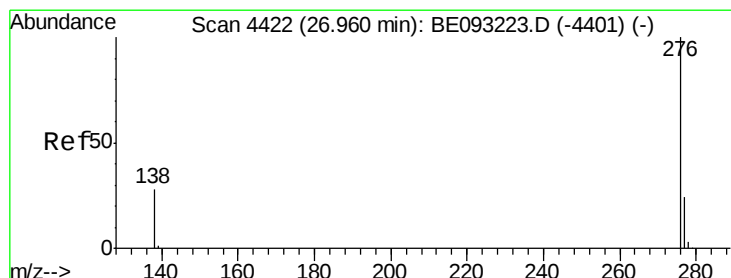
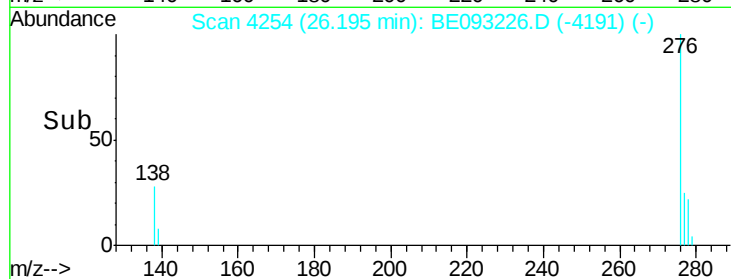
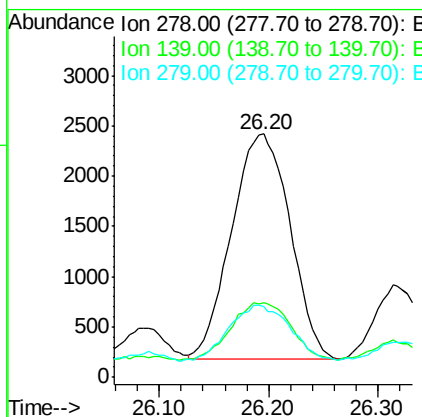
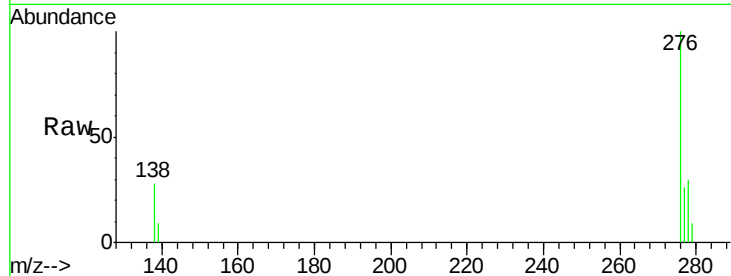




#25
Dibenzo(a,h)anthracene
Concen: 0.18 ng/ul
RT: 26.20 min Scan# 4254
Delta R.T. -0.01 min
Lab File: BE093226.D
Acq: 16 Jun 2017 2:02

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 8302
Ion Ratio Lower Upper
278 100
139 30.6 17.4 26.0#
279 29.1 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.55 ng/ul
RT: 26.96 min Scan# 4421
Delta R.T. -0.00 min
Lab File: BE093226.D
Acq: 16 Jun 2017 2:02

Tgt Ion:276 Resp: 26403
Ion Ratio Lower Upper
276 100
138 29.9 21.8 32.8
277 24.4 20.5 30.7

