

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061917\
 Data File : BE093266.D
 Acq On : 20 Jun 2017 00:43
 Operator : SJ/MA
 Sample : I3600-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5A18

Quant Time: Jun 20 09:22:03 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

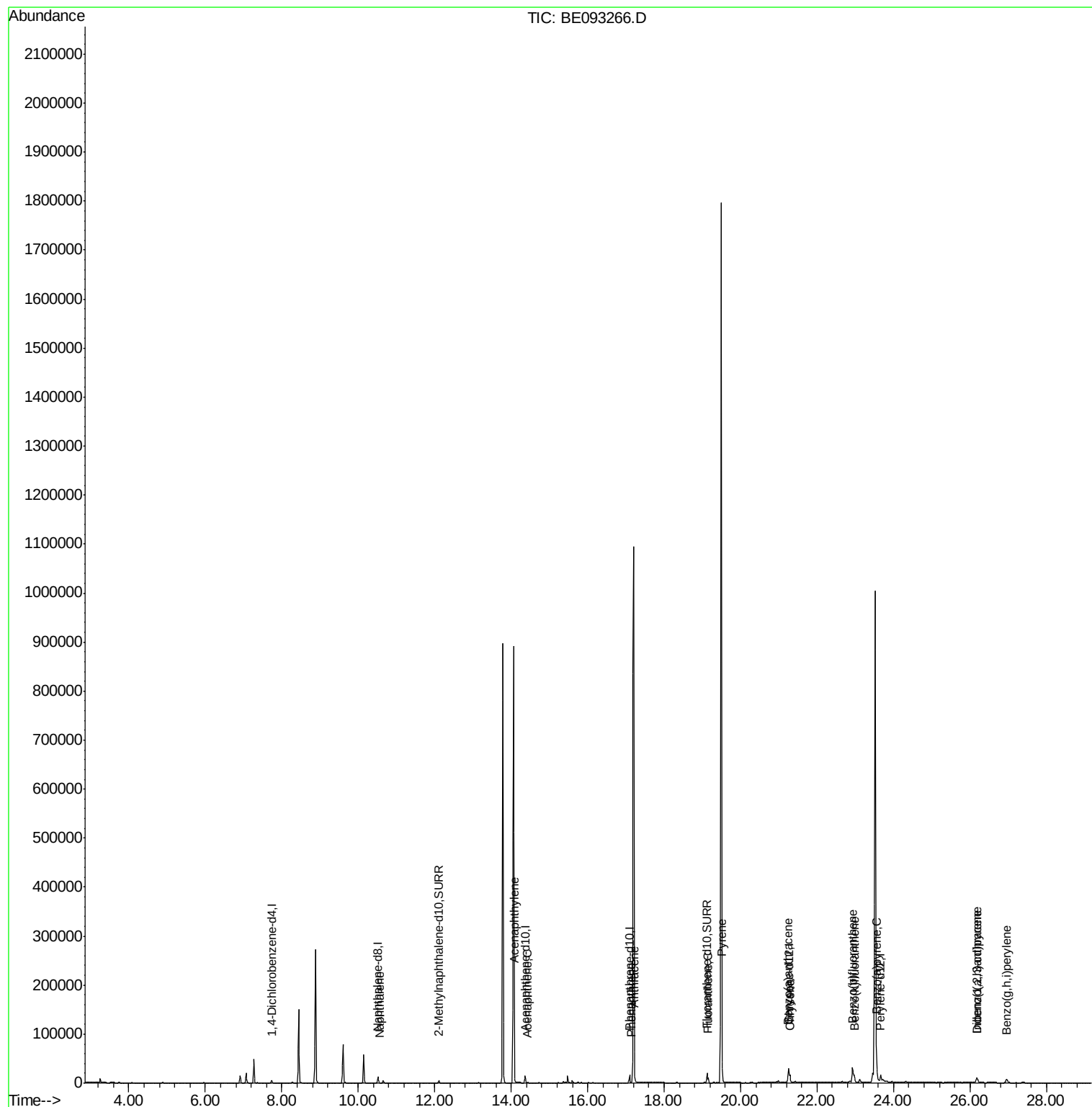
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2576	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	13231	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	8401	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	20502m	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	20271	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	15865m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	7118	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	20825	0.37	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	559	0.017	ng/ul#	71
7) Acenaphthylene	14.09	152	7035	0.195	ng/ul	97
8) Acenaphthene	14.43	153	660	0.023	ng/ul	98
12) Phenanthrene	17.14	178	1819	0.032	ng/ul#	92
13) Anthracene	17.22	178	20164	0.411	ng/ul#	87
15) Fluoranthene	19.15	202	11151	0.161	ng/ul	84
17) Pyrene	19.52	202	34925	0.584	ng/ul#	83
18) Benzo(a)anthracene	21.24	228	14214	0.263	ng/ul#	84
19) Chrysene	21.29	228	22853	0.407	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	53031	1.101	ng/ul	89
22) Benzo(k)fluoranthene	22.98	252	16634m	0.325	ng/ul	
23) Benzo(a)pyrene	23.56	252	24215m	0.532	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.18	276	16953m	0.322	ng/ul	
25) Dibenzo(a,h)anthracene	26.20	278	4726m	0.106	ng/ul	
26) Benzo(g,h,i)perylene	26.96	276	14644	0.324	ng/ul	94

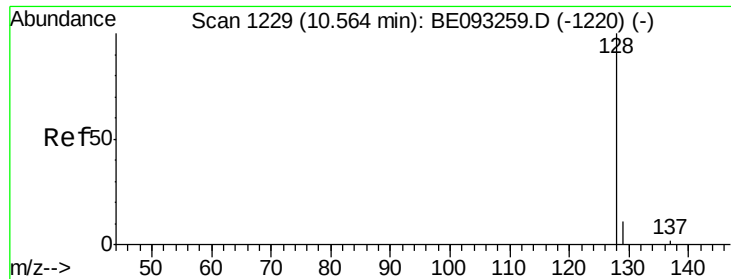
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.017 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

Instrument :

BNA_E

ClientSampleId :

F5A18

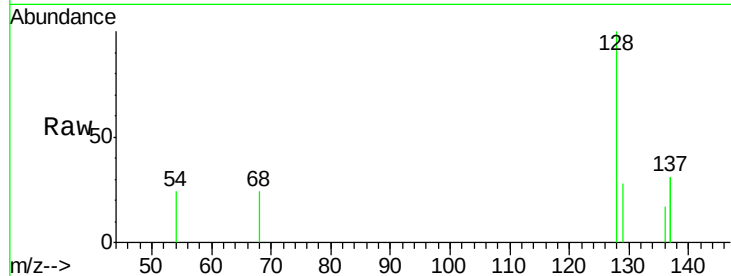
Tgt Ion:128 Resp: 559

Ion Ratio Lower Upper

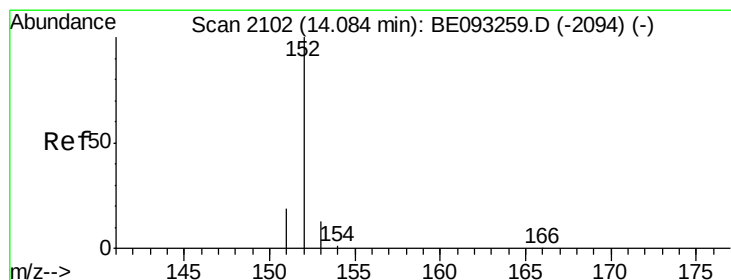
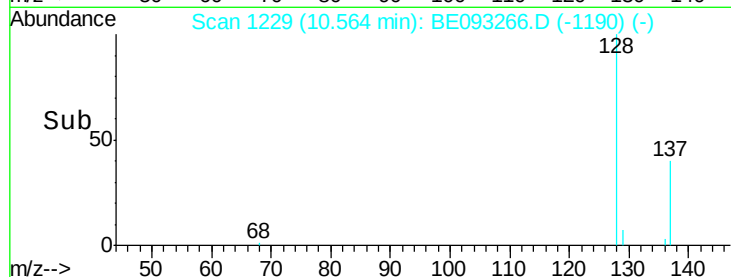
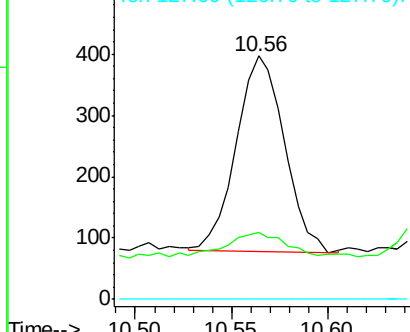
128 100

129 27.7 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: 0.195 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

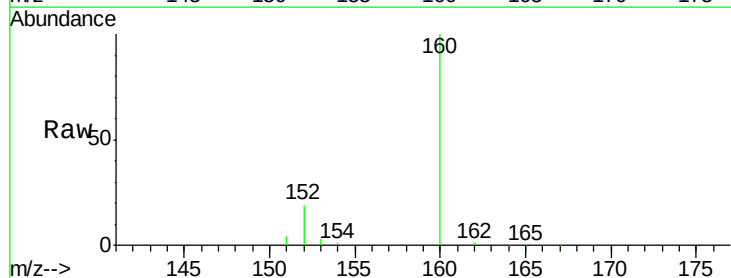
Tgt Ion:152 Resp: 7035

Ion Ratio Lower Upper

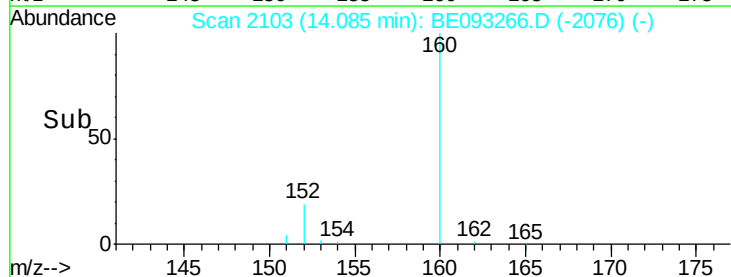
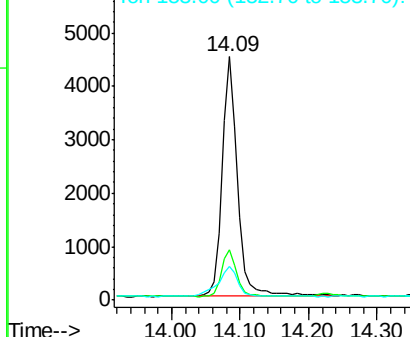
152 100

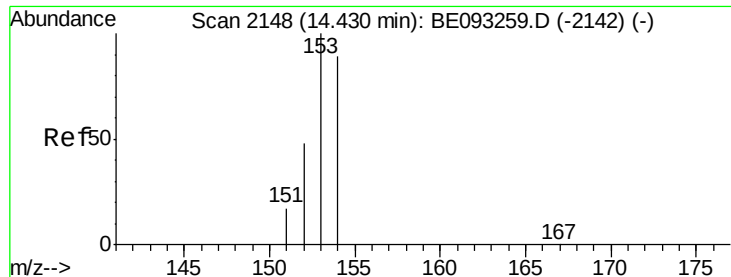
151 20.6 17.1 25.7

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: 0.023 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

Instrument :

BNA_E

ClientSampleId :

F5A18

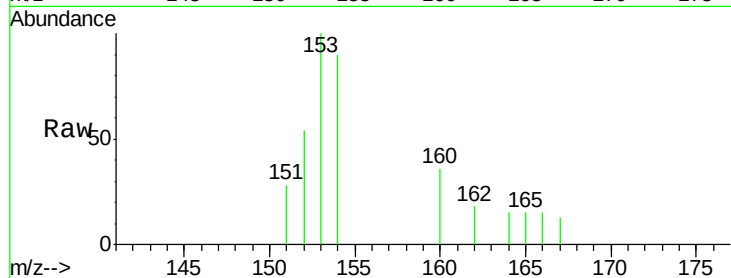
Tgt Ion:153 Resp: 660

Ion Ratio Lower Upper

153 100

152 54.0 40.3 60.5

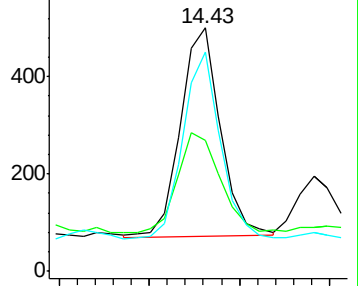
154 90.2 71.4 107.2



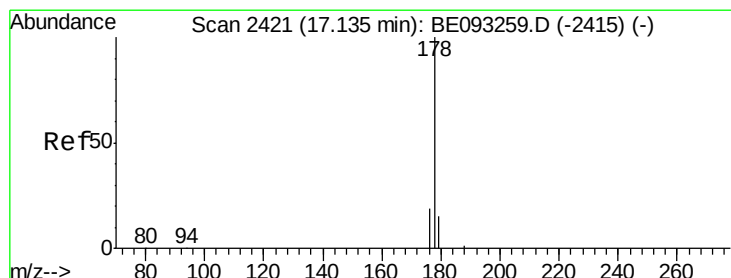
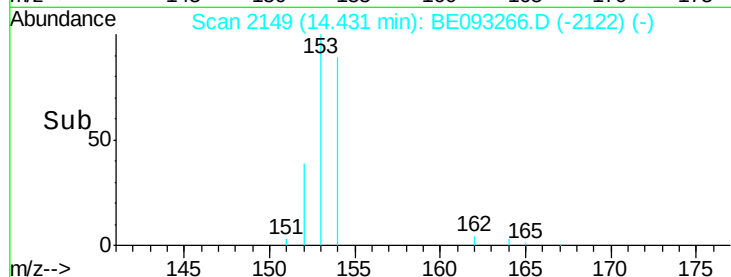
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time--> 14.35 14.40 14.45



#12

Phenanthrene

Concen: 0.032 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

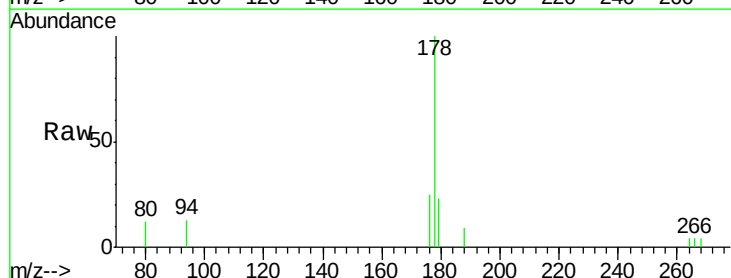
Tgt Ion:178 Resp: 1819

Ion Ratio Lower Upper

178 100

179 23.1 18.4 27.6

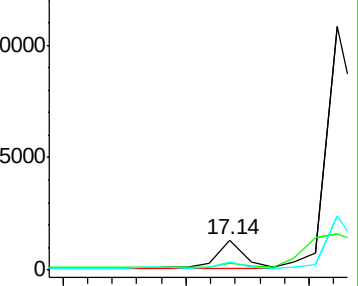
176 25.2 13.6 20.4#



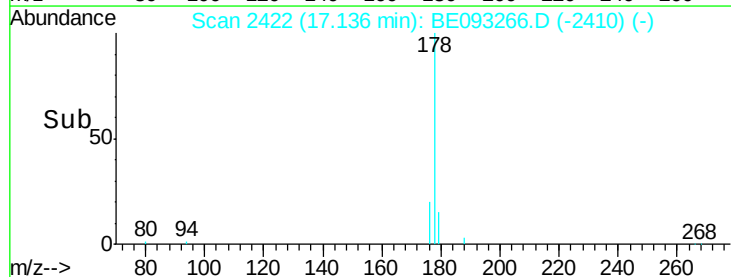
Abundance Ion 178.00 (177.70 to 178.70): E

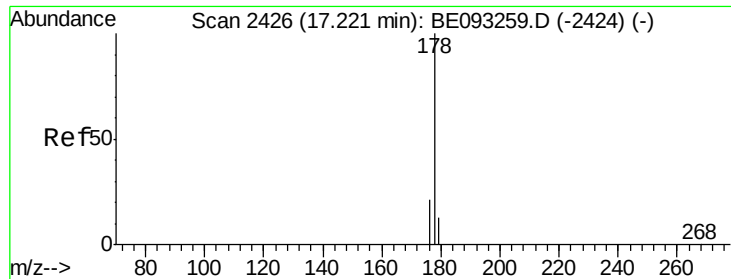
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.00 17.10 17.20





#13

Anthracene

Concen: 0.411 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

Instrument :

BNA_E

ClientSampleId :

F5A18

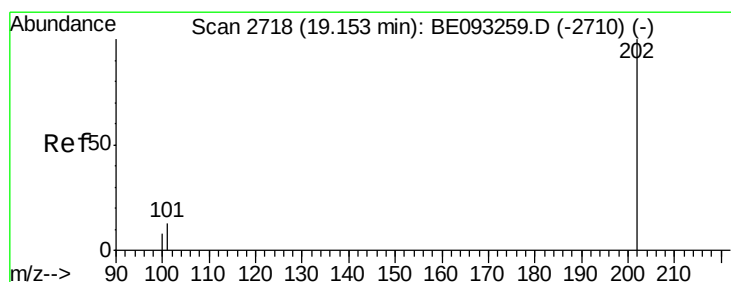
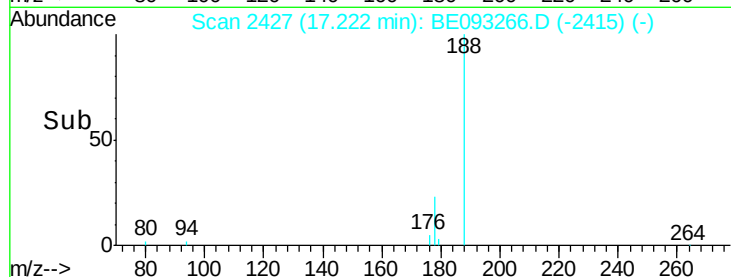
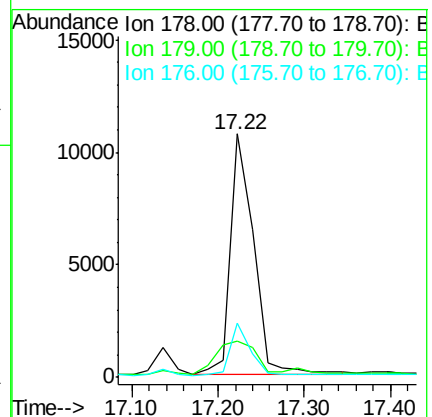
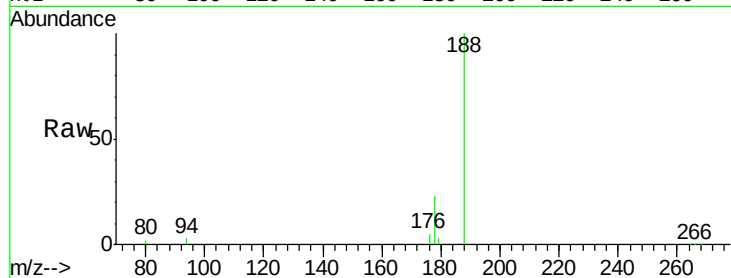
Tgt Ion:178 Resp: 20164

Ion Ratio Lower Upper

178 100

179 14.8 18.1 27.1#

176 22.0 14.7 22.1



#15

Fluoranthene

Concen: 0.161 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

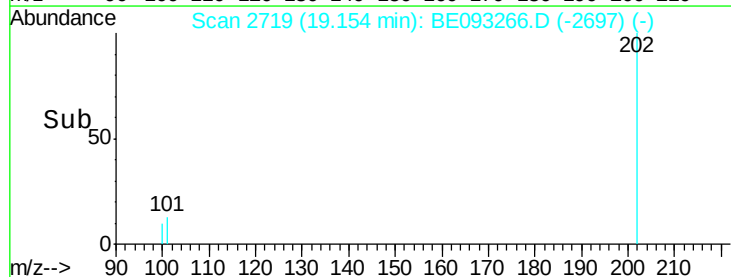
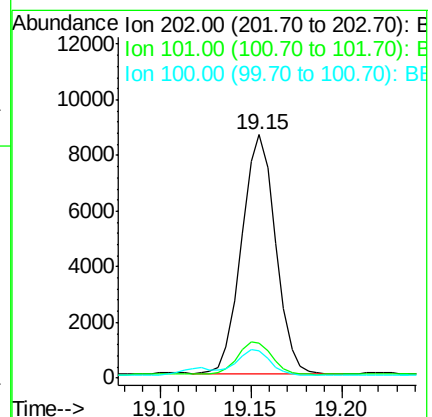
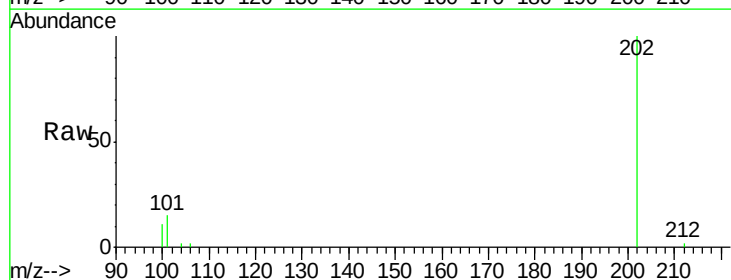
Tgt Ion:202 Resp: 11151

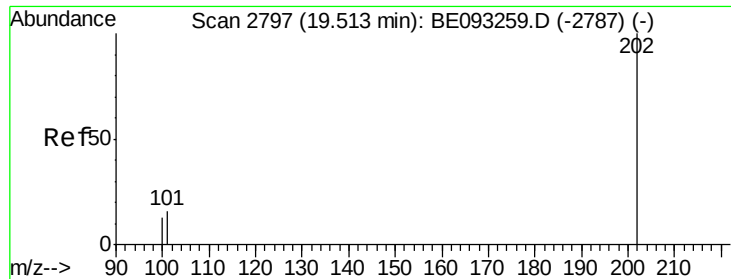
Ion Ratio Lower Upper

202 100

101 14.6 0.0 30.3

100 11.1 0.0 39.5





#17

Pyrene

Concen: 0.584 ng/ul

RT: 19.52 min Scan# 2799

Delta R.T. 0.01 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

Instrument :

BNA_E

ClientSampleId :

F5A18

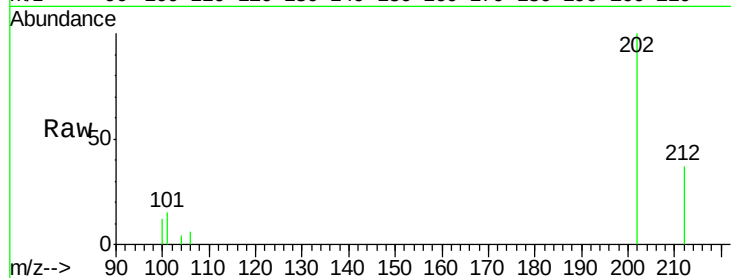
Tgt Ion:202 Resp: 34925

Ion Ratio Lower Upper

202 100

101 14.6 18.2 27.4#

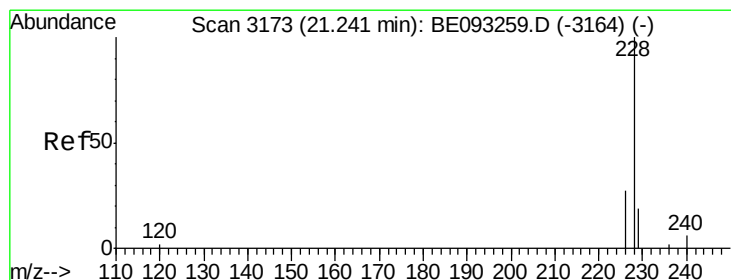
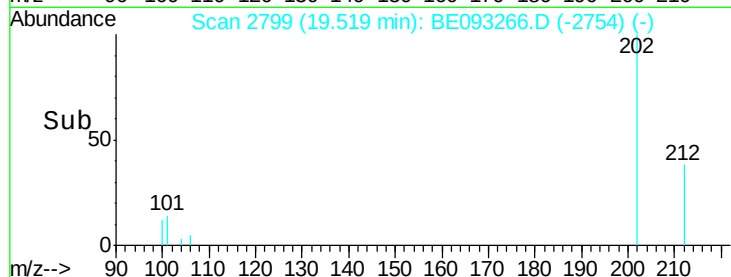
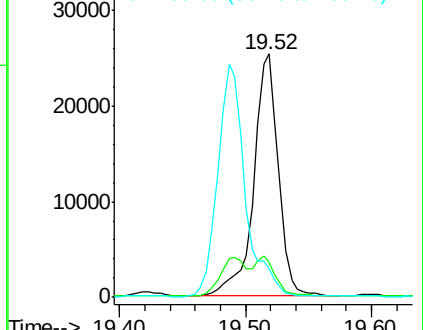
100 11.9 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 0.263 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

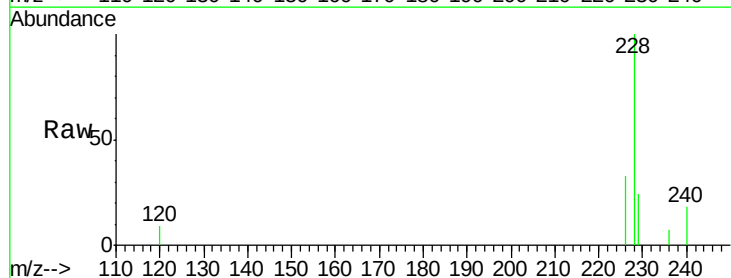
Tgt Ion:228 Resp: 14214

Ion Ratio Lower Upper

228 100

229 23.7 22.8 34.2

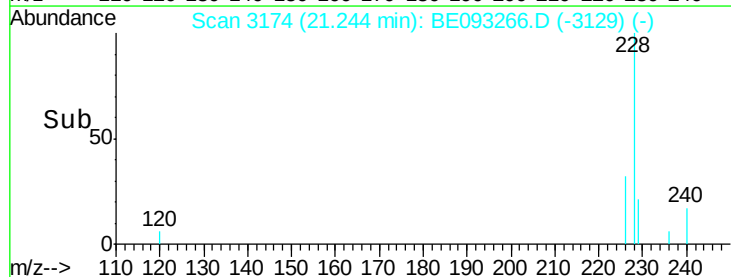
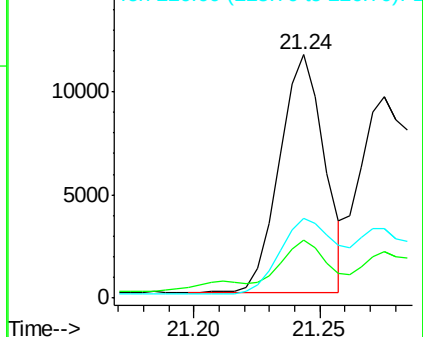
226 32.9 17.0 25.6#

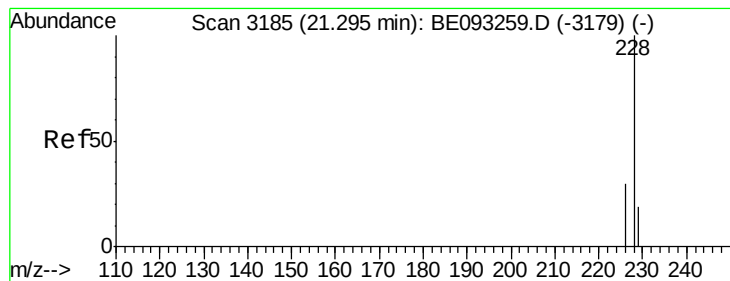


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.407 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

Instrument :

BNA_E

ClientSampleId :

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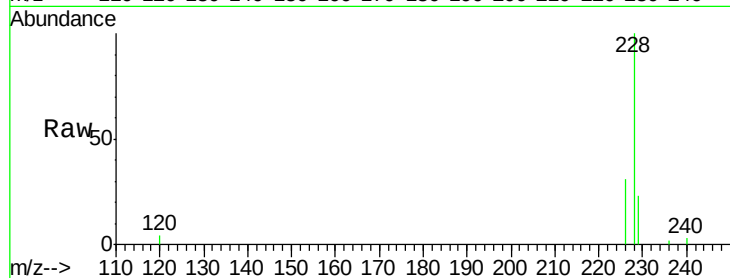
Tgt Ion:228 Resp: 22853

Ion Ratio Lower Upper

228 100

226 31.5 23.4 35.0

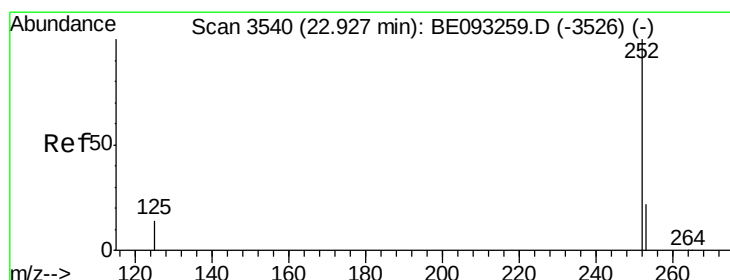
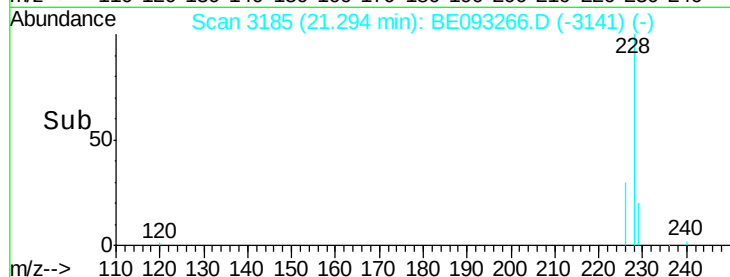
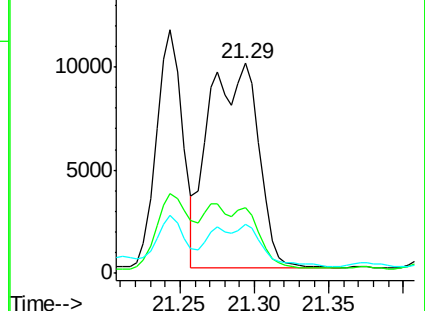
229 23.3 17.7 26.5



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: 1.101 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

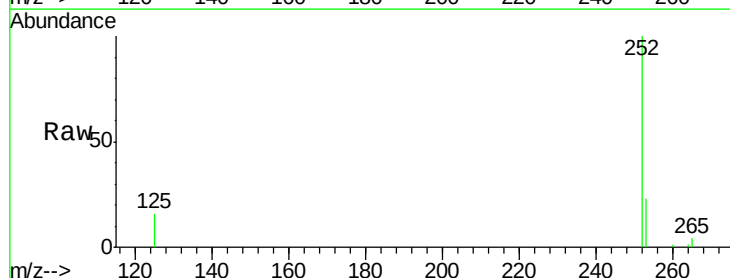
Tgt Ion:252 Resp: 53031

Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

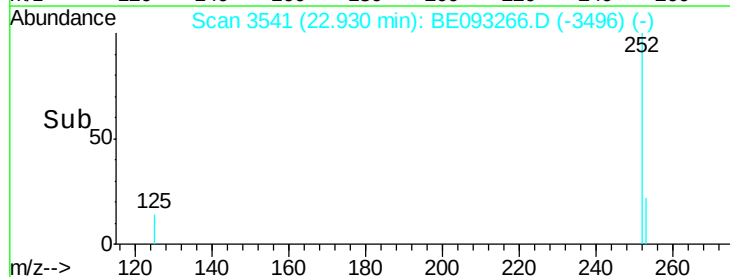
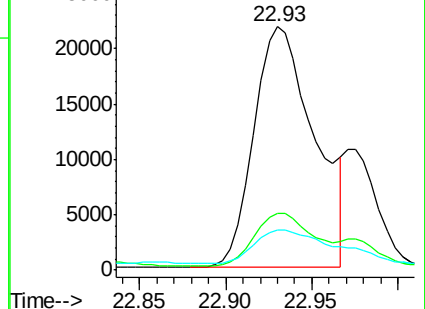
125 16.4 0.0 35.0

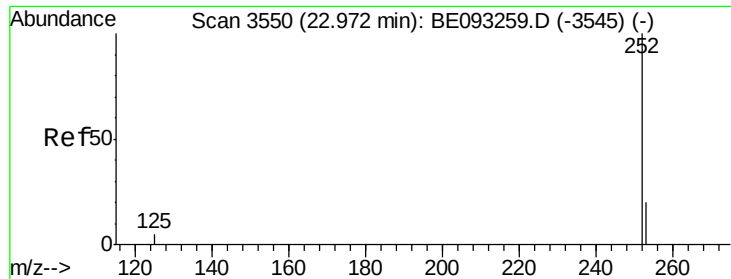


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.325 ng/ul m

RT: 22.98 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE093266.D

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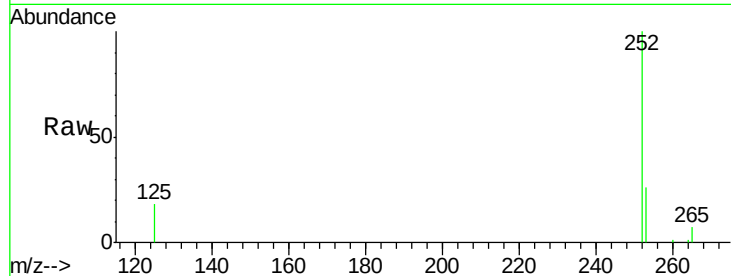
Tgt Ion:252 Resp: 16634

Ion Ratio Lower Upper

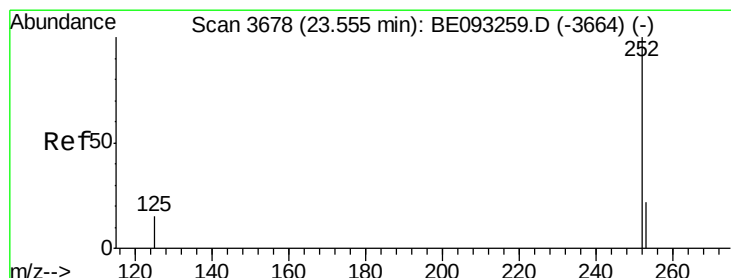
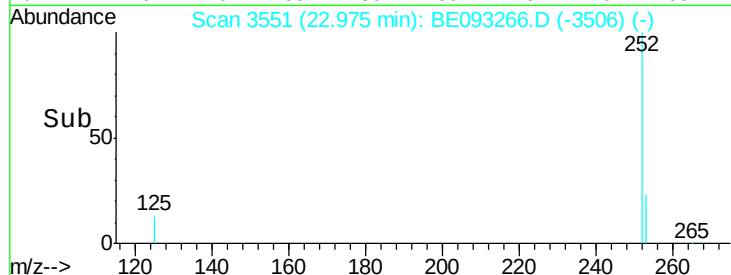
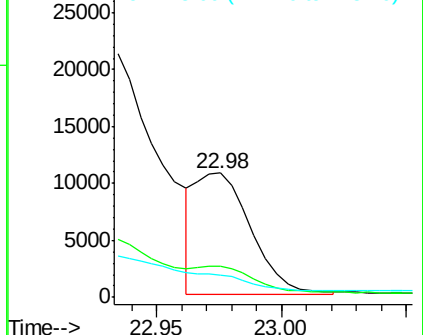
252 100

253 25.5 24.5 36.7

125 18.0 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: 0.532 ng/ul m

RT: 23.56 min Scan# 3680

Delta R.T. 0.01 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

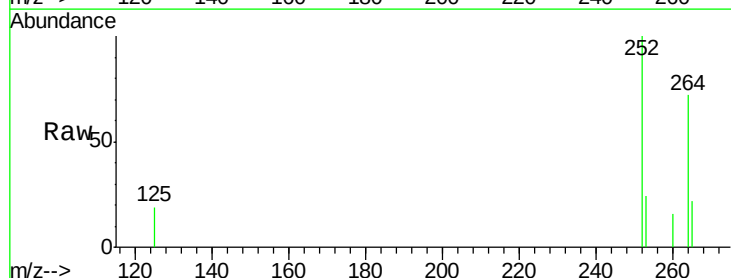
Tgt Ion:252 Resp: 24215

Ion Ratio Lower Upper

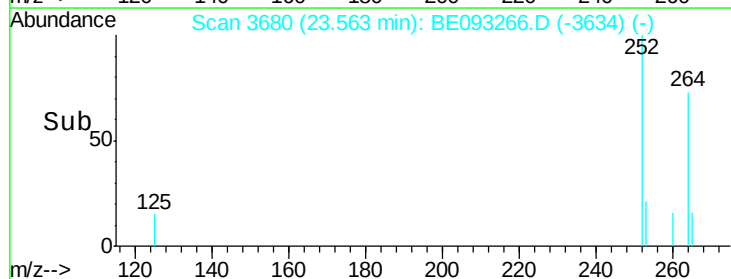
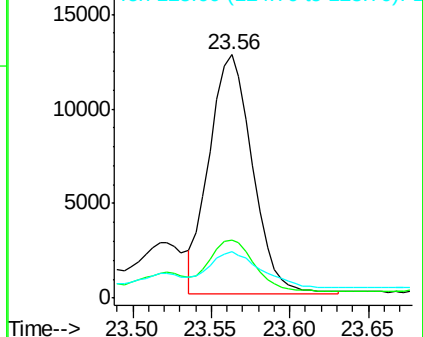
252 100

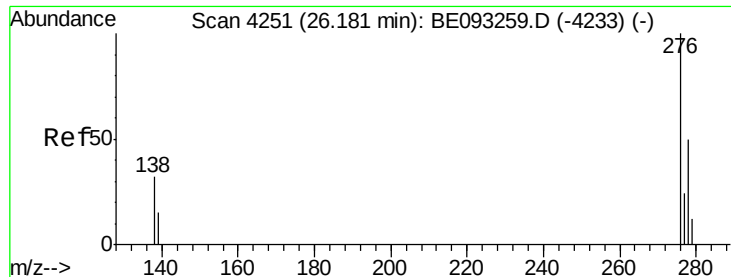
253 24.0 28.5 42.7#

125 19.1 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: 0.322 ng/ul m

RT: 26.18 min Scan# 4251

Delta R.T. 0.00 min

Lab File: BE093266.D

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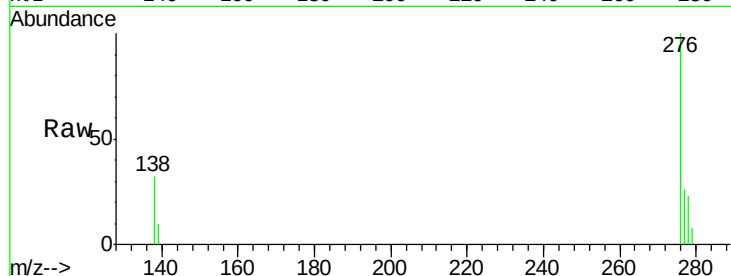
Tgt Ion:276 Resp: 16953

Ion Ratio Lower Upper

276 100

138 3.3 28.0 42.0#

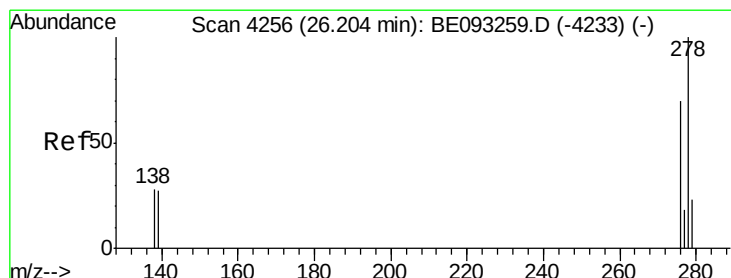
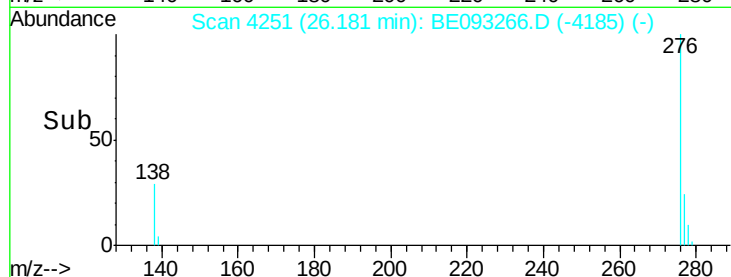
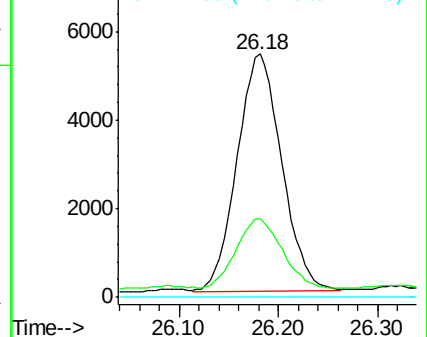
227 0.0 8.0 12.0#



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: 0.106 ng/ul m

RT: 26.20 min Scan# 4254

Delta R.T. -0.01 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

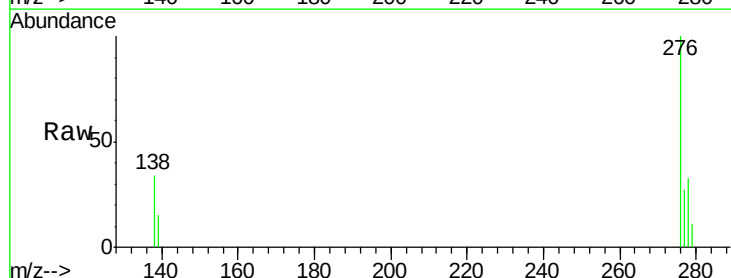
Tgt Ion:278 Resp: 4726

Ion Ratio Lower Upper

278 100

139 43.5 17.4 26.0#

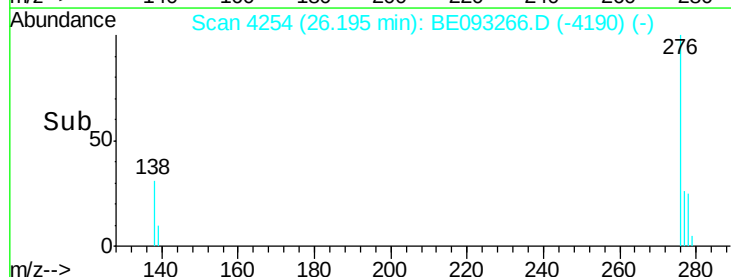
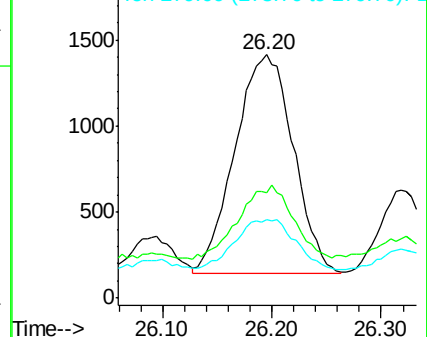
279 32.4 25.9 38.9

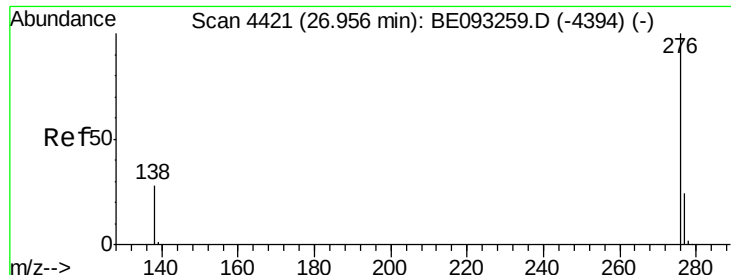


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.324 ng/ul

RT: 26.96 min Scan# 4421

Delta R.T. 0.00 min

Lab File: BE093266.D

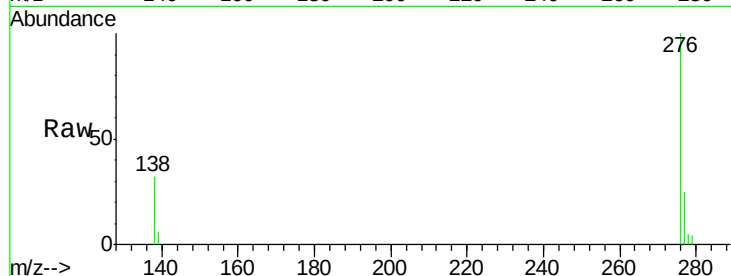
Acq: 20 Jun 2017 00:43

Instrument :

BNA_E

ClientSampleId :

F5A18



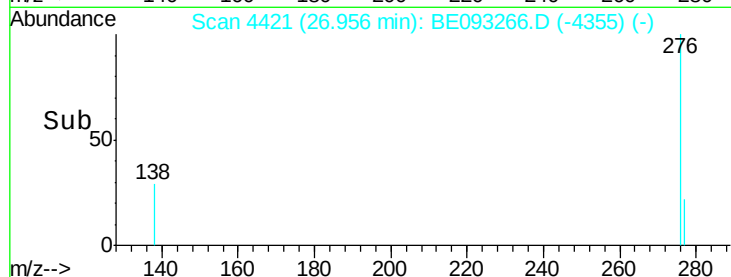
Tgt Ion: 276 Resp: 14644

Ion Ratio Lower Upper

276 100

138 32.4 21.8 32.8

277 24.7 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

