

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
 Data File : BE096176.D
 Acq On : 26 Apr 2018 12:10
 Operator : SJ/JU
 Sample : J2431-13DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 27 02:31:05 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 02:29:47 2018
 Response via : Initial Calibration

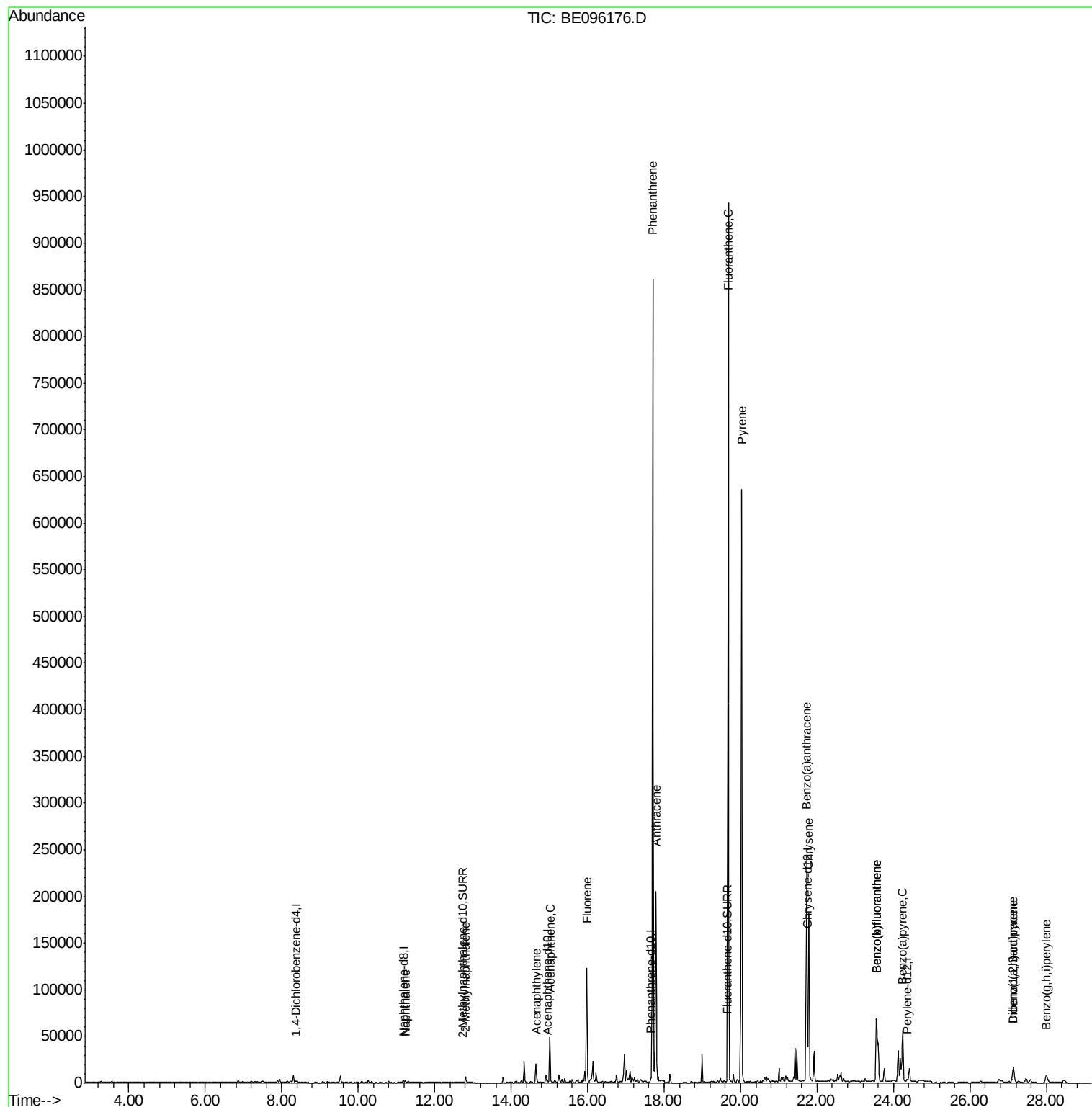
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	732	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	2837	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	1657	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	4177	0.40	ng/ul	0.00
16) Chrysene-d12	21.75	240	5359	0.40	ng/ul	0.00
20) Perylene-d12	24.35	264	3927	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	214	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	612	0.03	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.23	128	3021	0.382	ng/ul#	89
5) 2-Methylnaphthalene	12.81	142	5023	0.949	ng/ul	99
7) Acenaphthylene	14.68	152	3487	0.408	ng/ul#	94
8) Acenaphthene	15.01	153	28398	4.611	ng/ul	93
9) Fluorene	15.98	166	83573	10.256	ng/ul#	91
12) Phenanthrene	17.70	178	990860	80.571	ng/ul#	87
13) Anthracene	17.79	178	208989	16.939	ng/ul#	90
15) Fluoranthene	19.68	202	1121847	59.679	ng/ul	81
17) Pyrene	20.03	202	584130	54.333	ng/ul#	76
18) Benzo(a)anthracene	21.73	228	260218	16.039	ng/ul#	84
19) Chrysene	21.79	228	181407	12.168	ng/ul	97
21) Benzo(b)fluoranthene	23.55	252	187441	12.606	ng/ul	82
22) Benzo(k)fluoranthene	23.55	252	187441	13.186	ng/ul#	84
23) Benzo(a)pyrene	24.24	252	85445	6.614	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	27.14	276	30834	1.771	ng/ul#	74
25) Dibenzo(a,h)anthracene	27.14	278	8863	0.608	ng/ul	91
26) Benzo(a,h,i)perylene	28.00	276	22306	1.472	ng/ul#	92

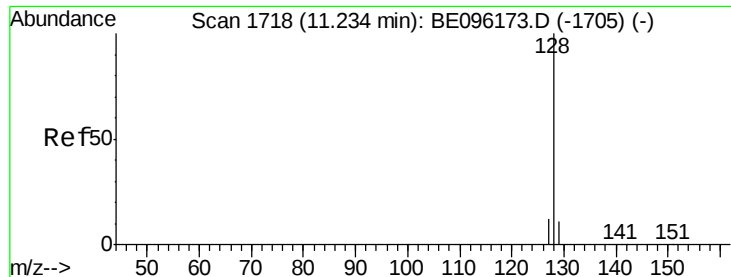
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.382 ng/ul

RT: 11.23 min Scan# 1717

Delta R.T. -0.01 min

Lab File: BE096176.D

Acq: 26 Apr 2018 12:10

Instrument :

BNA_E

ClientSampleId :

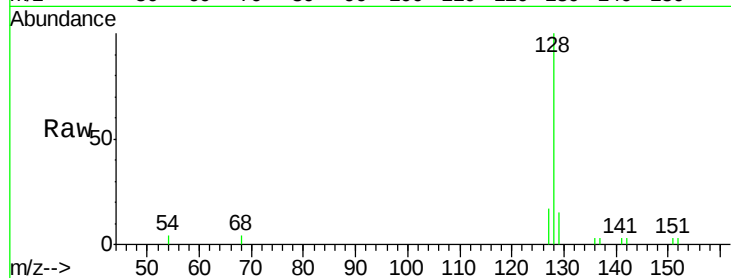
Tot Ion:128 Resp: 3021

Ion Ratio Lower Upper

128 100

129 15.1 11.3 16.9

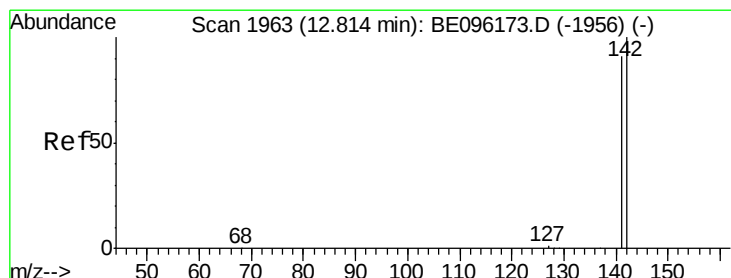
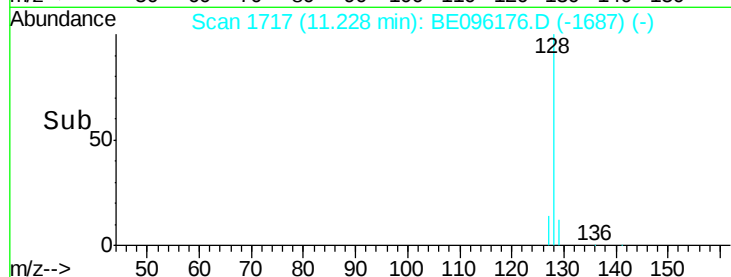
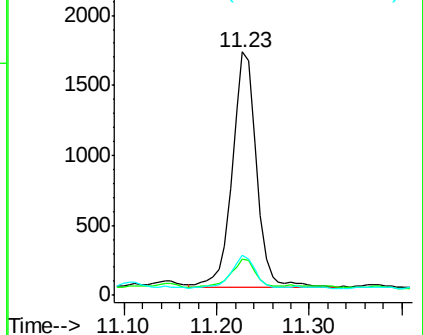
127 16.7 4.0 6.0#



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: 0.949 ng/ul

RT: 12.81 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BE096176.D

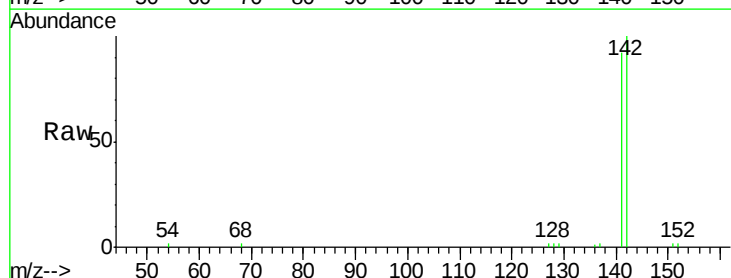
Acq: 26 Apr 2018 12:10

Tgt Ion:142 Resp: 5023

Ion Ratio Lower Upper

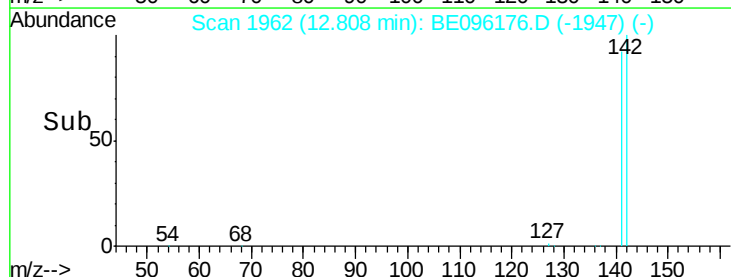
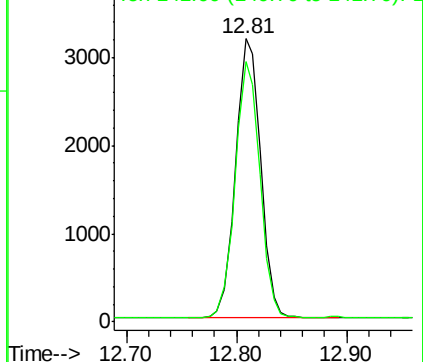
142 100

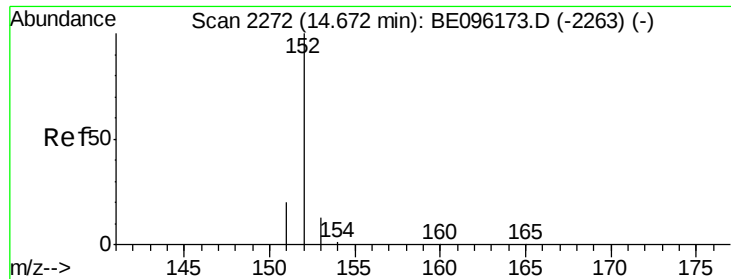
141 90.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.408 ng/ul

RT: 14.68 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BE096176.D

Acq: 26 Apr 2018 12:10

Instrument :

BNA_E

ClientSampled :

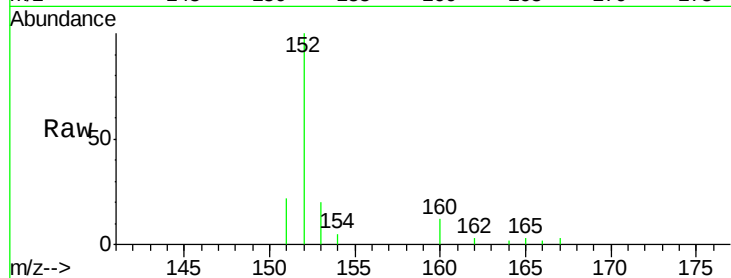
Tot Ion:152 Resp: 3487

Ion Ratio Lower Upper

152 100

151 22.5 17.1 25.7

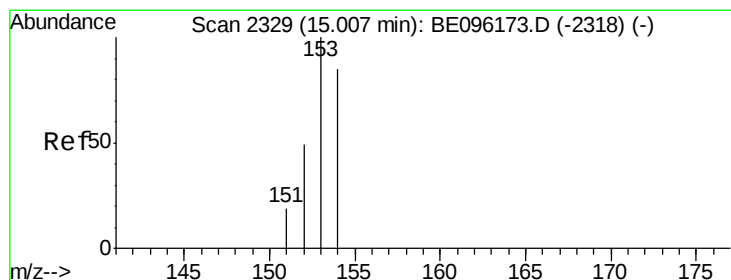
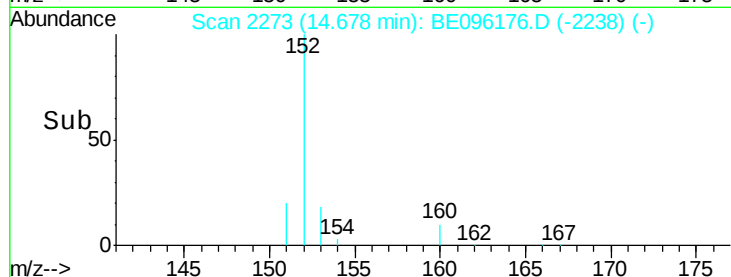
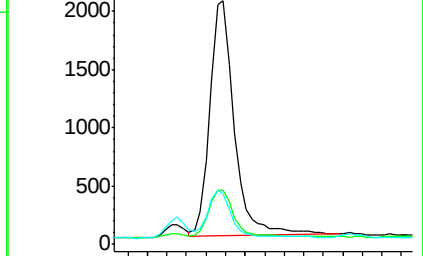
153 20.4 12.8 19.2#



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: 4.611 ng/ul

RT: 15.01 min Scan# 2329

Delta R.T. -0.00 min

Lab File: BE096176.D

Acq: 26 Apr 2018 12:10

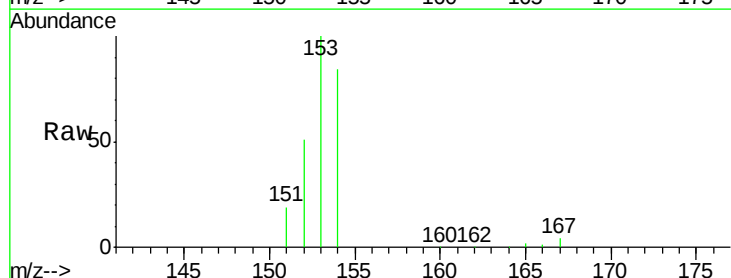
Tgt Ion:153 Resp: 28398

Ion Ratio Lower Upper

153 100

152 50.9 36.0 54.0

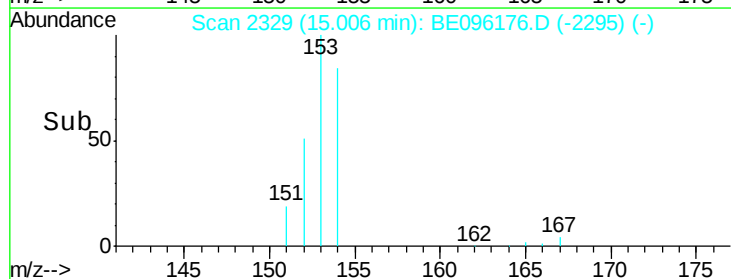
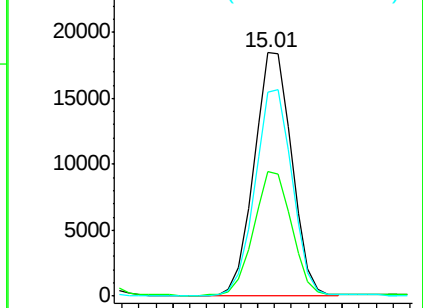
154 84.0 72.0 108.0

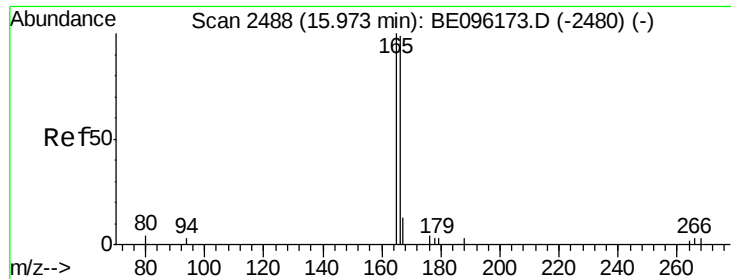


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 10.256 ng/ul

RT: 15.98 min Scan# 2489

Delta R.T. 0.01 min

Lab File: BE096176.D

Acq: 26 Apr 2018 12:10

Instrument :

BNA_E

ClientSampleId :

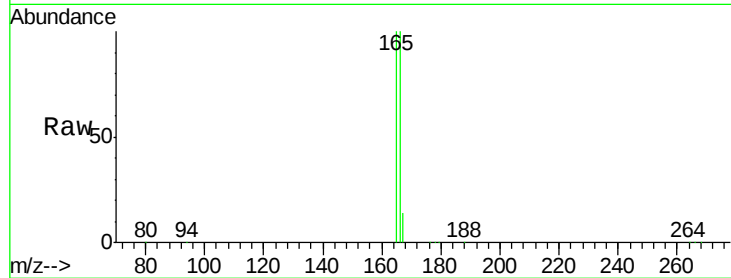
Tot Ion:166 Resp: 83573

Ion Ratio Lower Upper

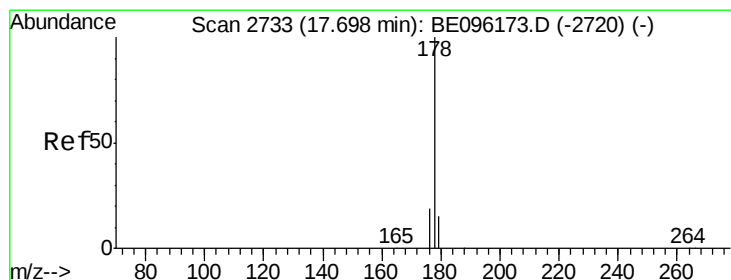
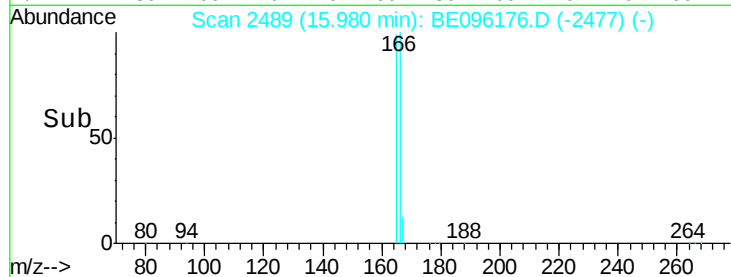
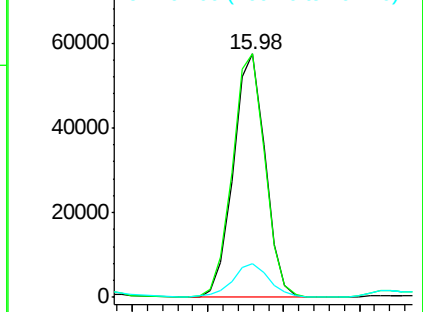
166 100

165 99.8 73.4 110.2

167 14.0 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



#12

Phenanthrene

Concen: 80.571 ng/ul

RT: 17.70 min Scan# 2734

Delta R.T. 0.01 min

Lab File: BE096176.D

Acq: 26 Apr 2018 12:10

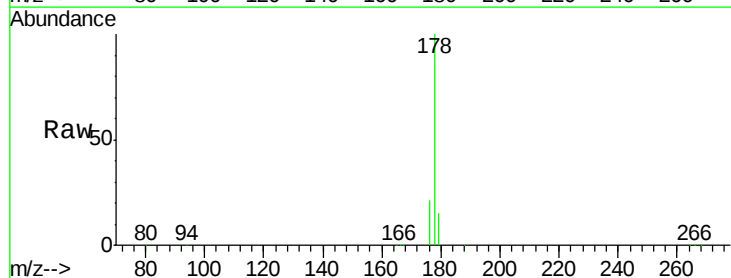
Tgt Ion:178 Resp: 990860

Ion Ratio Lower Upper

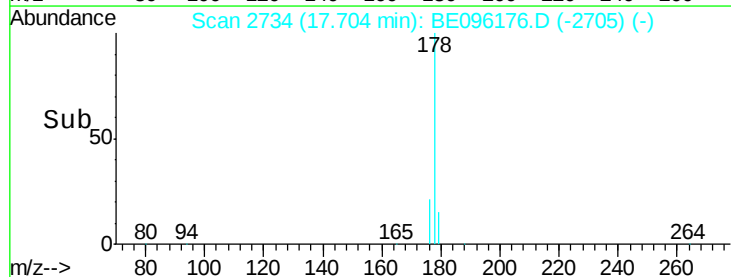
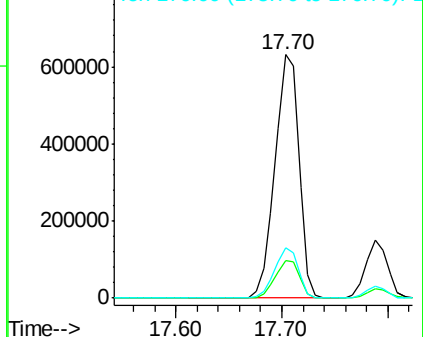
178 100

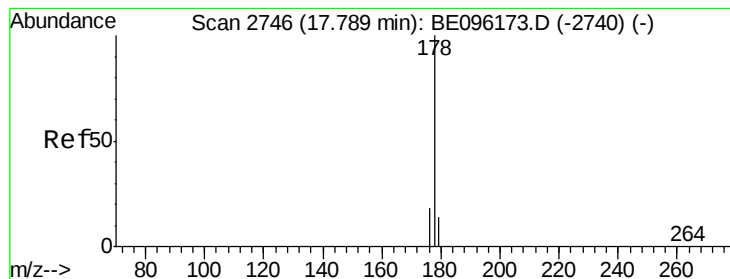
179 15.3 18.4 27.6#

176 20.8 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: 16.939 ng/ul

RT: 17.79 min Scan# 2746

Delta R.T. -0.00 min

Lab File: BE096176.D

Acq: 26 Apr 2018 12:10

Instrument :

BNA_E

ClientSampleId :

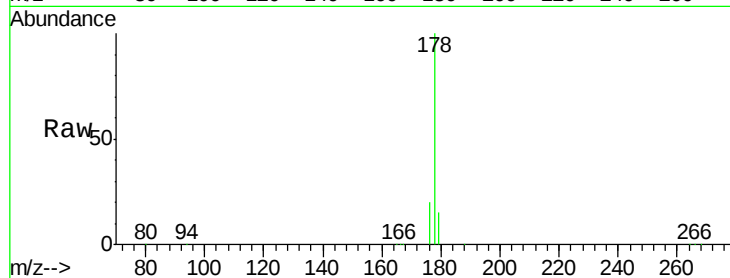
Tot Ion:178 Resp: 208989

Ion Ratio Lower Upper

178 100

179 15.3 18.1 27.1#

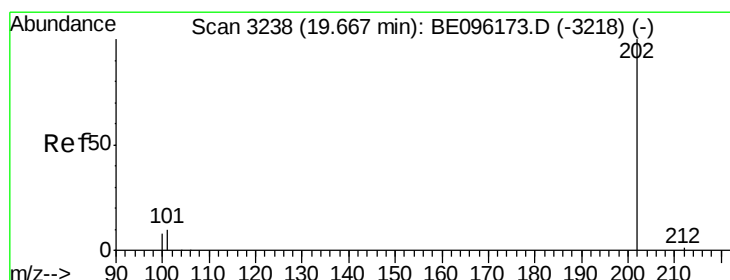
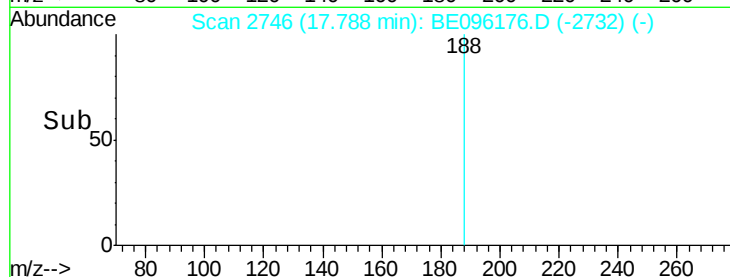
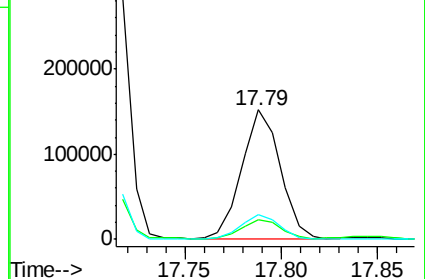
176 19.6 14.7 22.1



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: 59.679 ng/ul

RT: 19.68 min Scan# 3241

Delta R.T. 0.01 min

Lab File: BE096176.D

Acq: 26 Apr 2018 12:10

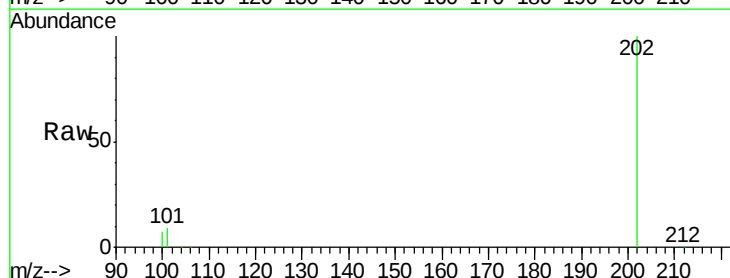
Tgt Ion:202 Resp: 1121847

Ion Ratio Lower Upper

202 100

101 8.5 0.0 30.3

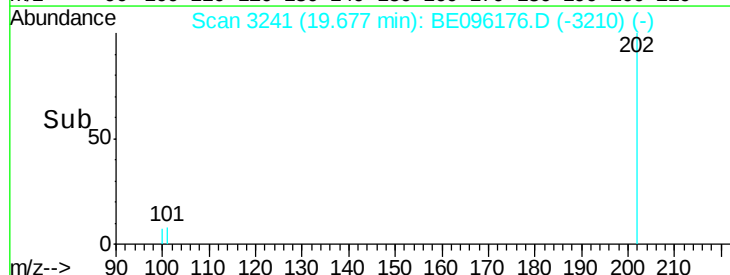
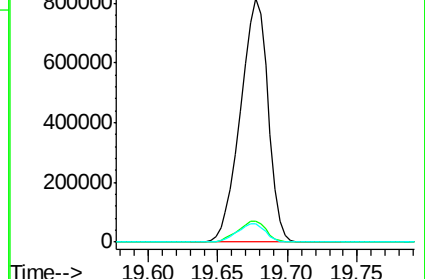
100 7.3 0.0 39.5

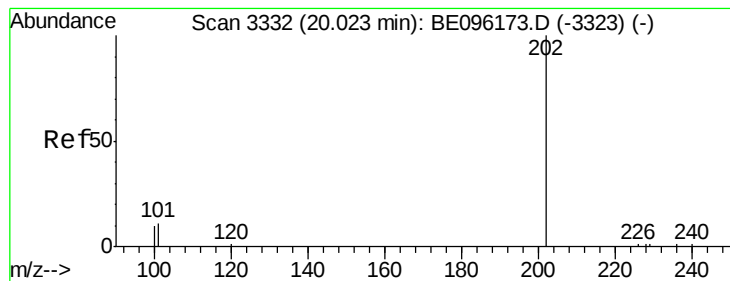


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 54.333 ng/ul

RT: 20.03 min Scan# 3334

Delta R.T. 0.01 min

Lab File: BE096176.D

Acq: 26 Apr 2018 12:10

Instrument :

BNA_E

ClientSampleId :

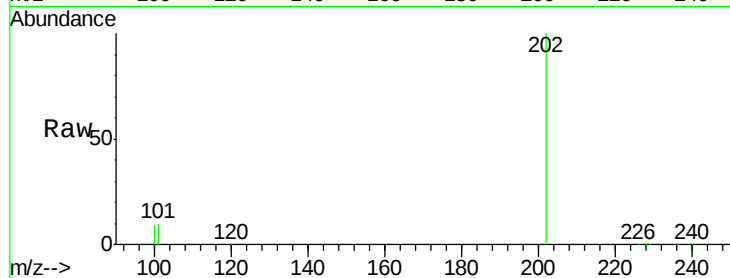
Tot Ion:202 Resp: 584130

Ion Ratio Lower Upper

202 100

101 10.4 18.2 27.4#

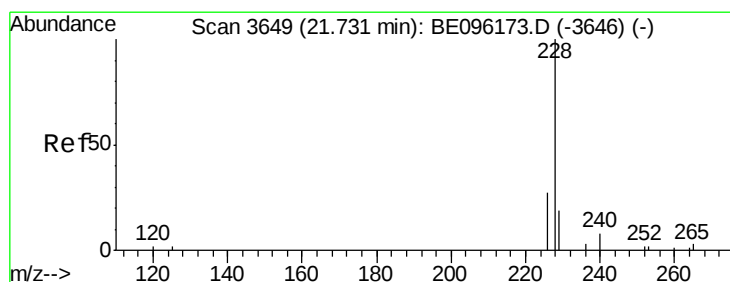
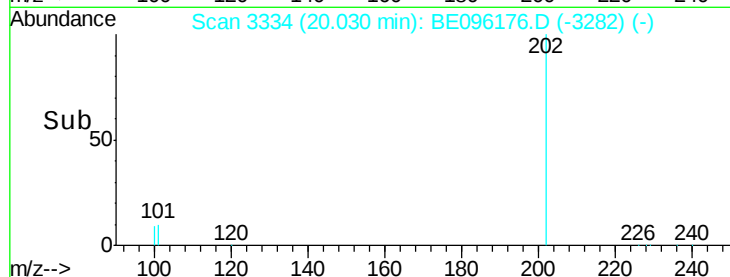
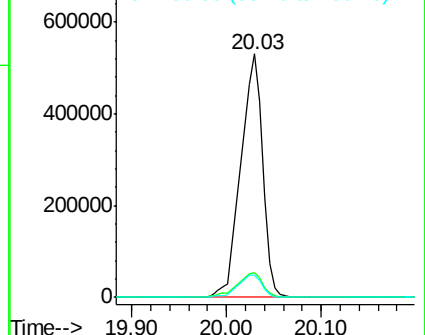
100 9.4 15.6 23.4#



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: 16.039 ng/ul

RT: 21.73 min Scan# 3650

Delta R.T. -0.00 min

Lab File: BE096176.D

Acq: 26 Apr 2018 12:10

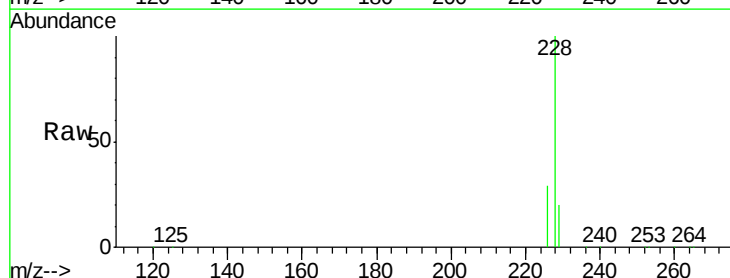
Tgt Ion:228 Resp: 260218

Ion Ratio Lower Upper

228 100

229 20.1 22.8 34.2#

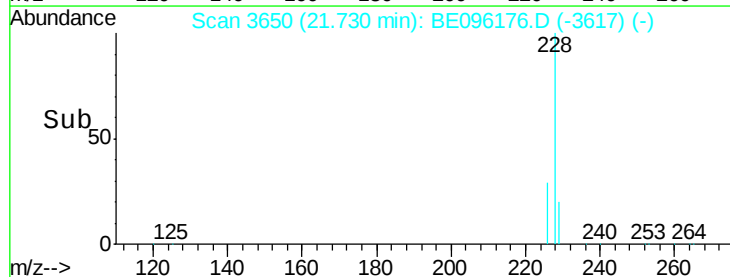
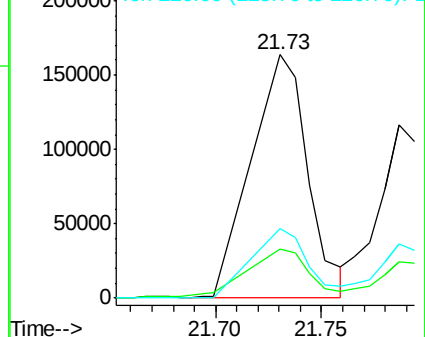
226 28.7 17.0 25.6#

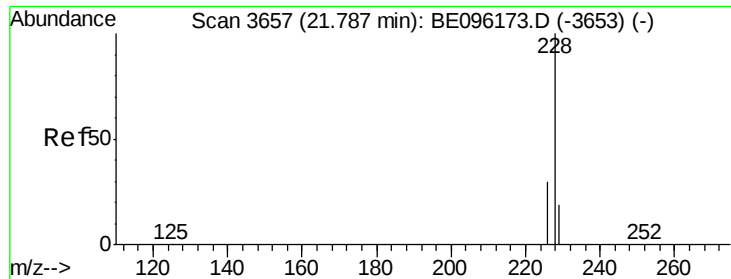


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 12.168 ng/ul

RT: 21.79 min Scan# 3658

Delta R.T. -0.00 min

Lab File: BE096176.D

Acq: 26 Apr 2018 12:10

Instrument :

BNA_E

ClientSampleId :

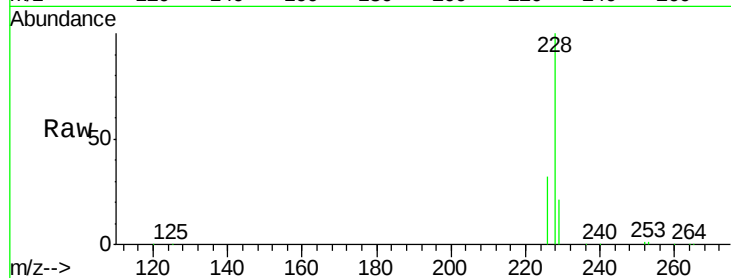
Tot Ion:228 Resp: 181407

Ion Ratio Lower Upper

228 100

226 31.6 23.4 35.0

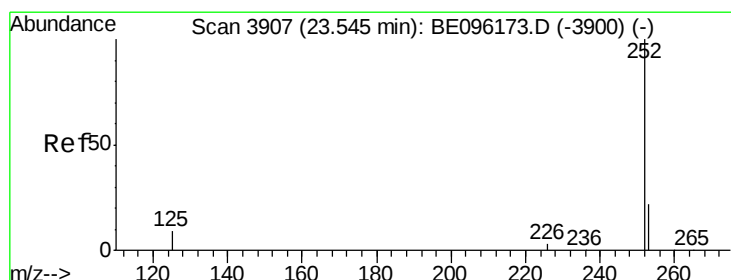
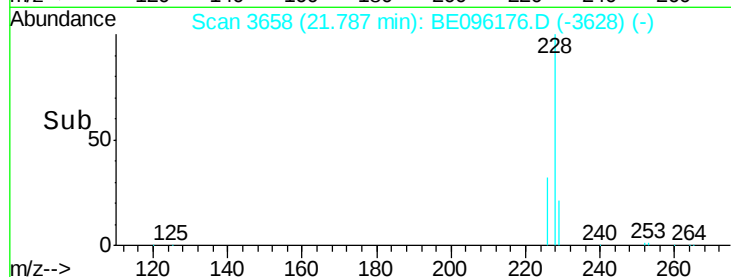
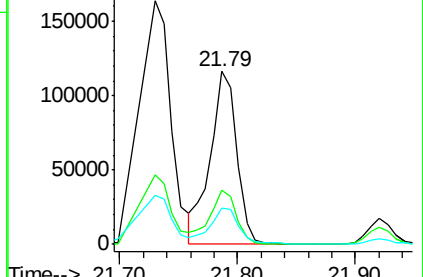
229 21.2 17.7 26.5



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: 12.606 ng/ul

RT: 23.55 min Scan# 3909

Delta R.T. 0.01 min

Lab File: BE096176.D

Acq: 26 Apr 2018 12:10

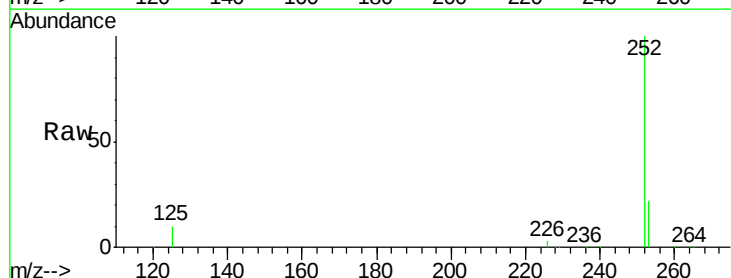
Tgt Ion:252 Resp: 187441

Ion Ratio Lower Upper

252 100

253 22.3 0.0 64.2

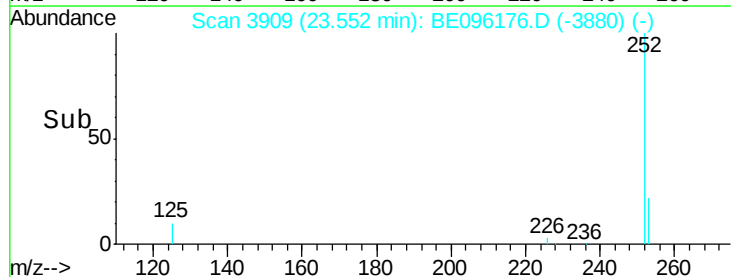
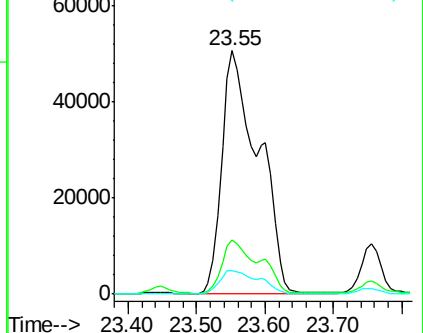
125 9.8 0.0 35.0

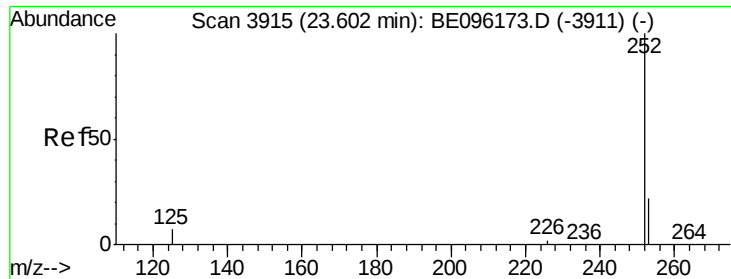


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 13.186 ng/ul

RT: 23.55 min Scan# 3909

Delta R.T. -0.05 min

Lab File: BE096176.D

Acq: 26 Apr 2018 12:10

Instrument :

BNA_E

ClientSampleId :

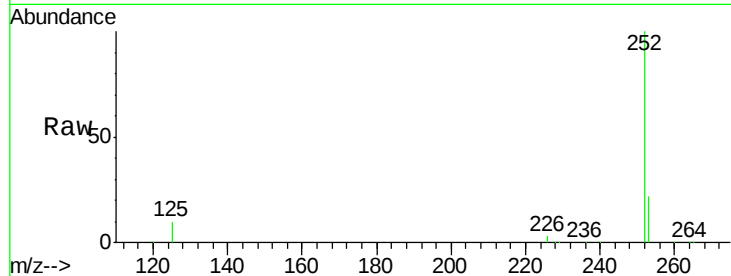
Tot Ion:252 Resp: 187441

Ion Ratio Lower Upper

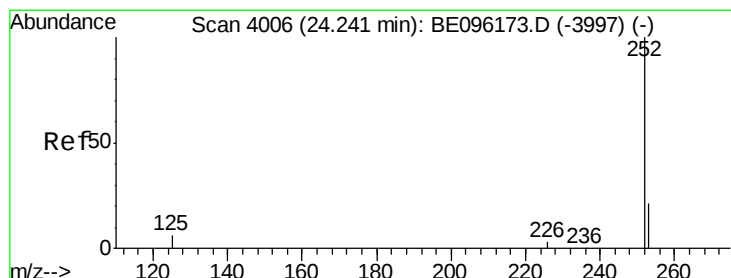
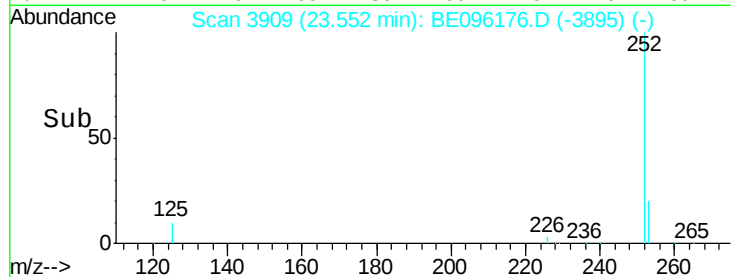
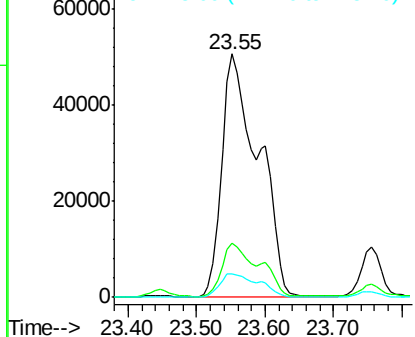
252 100

253 22.3 24.5 36.7#

125 9.8 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: 6.614 ng/ul

RT: 24.24 min Scan# 4007

Delta R.T. -0.00 min

Lab File: BE096176.D

Acq: 26 Apr 2018 12:10

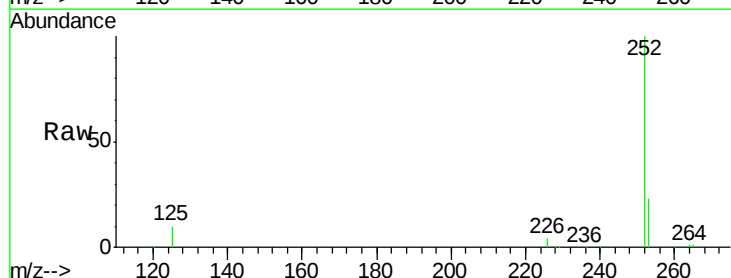
Tgt Ion:252 Resp: 85445

Ion Ratio Lower Upper

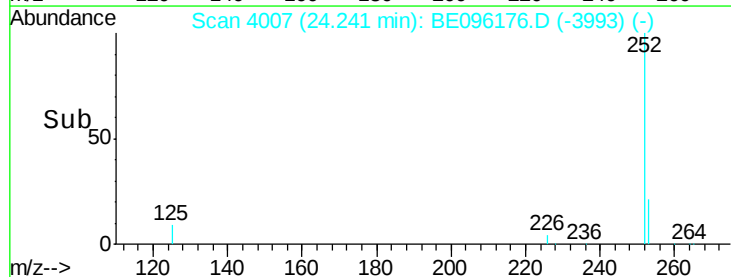
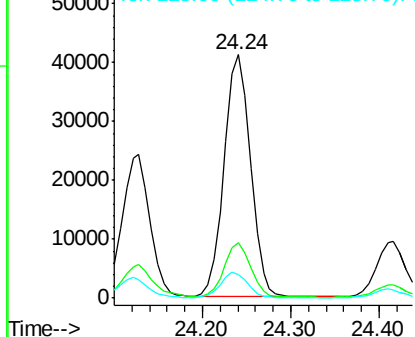
252 100

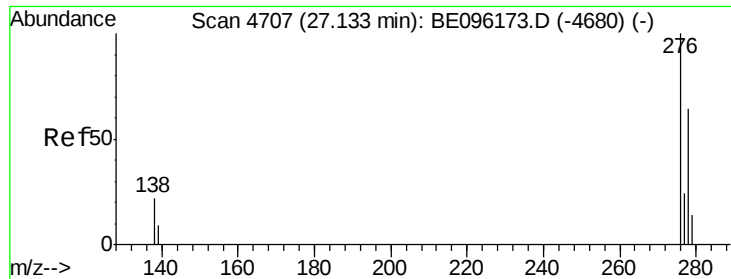
253 22.7 28.5 42.7#

125 9.8 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

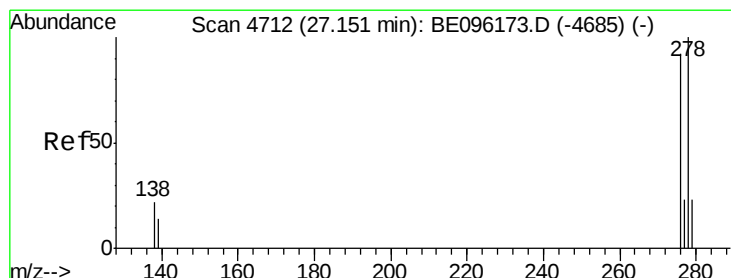
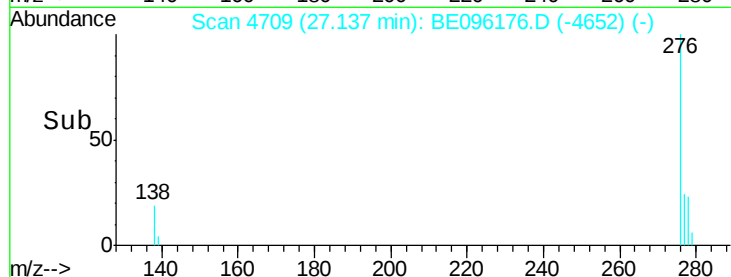
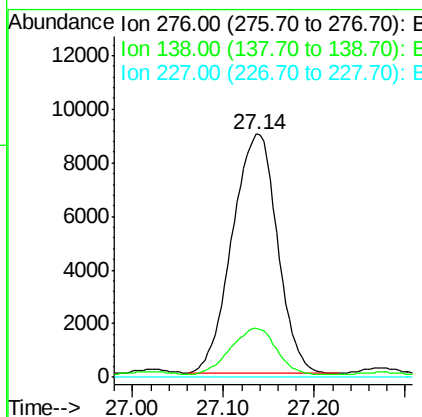
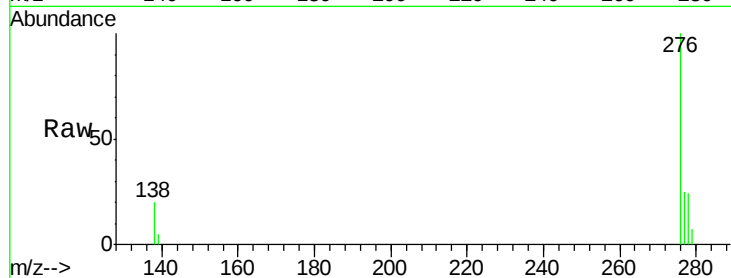




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.771 ng/ul
 RT: 27.14 min Scan# 4709
 Delta R.T. 0.00 min
 Lab File: BE096176.D
 Acq: 26 Apr 2018 12:10

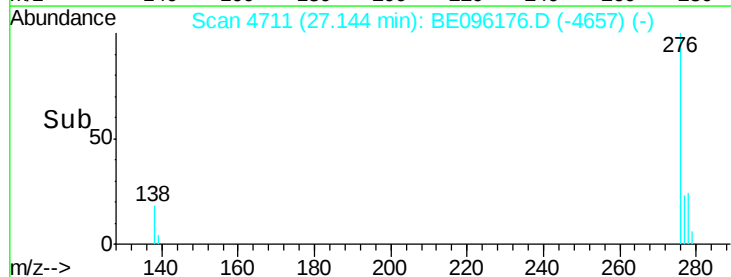
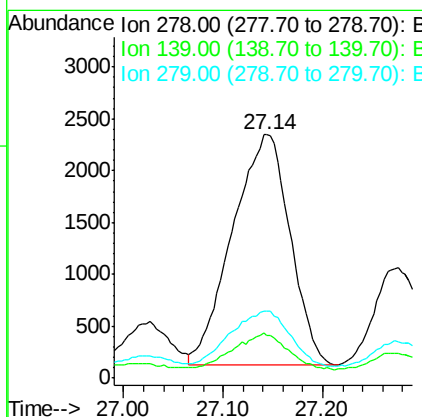
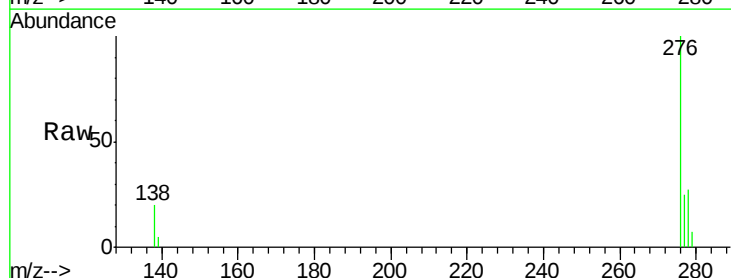
Instrument :
 BNA_E
 ClientSampleId :

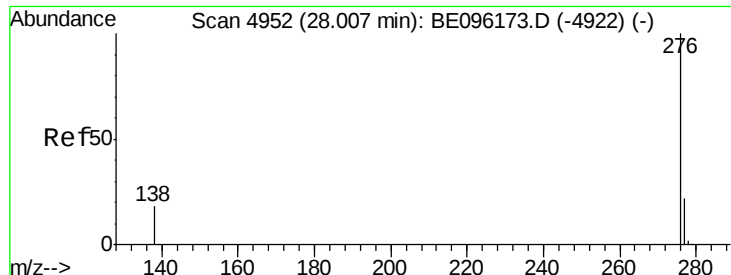
Tot Ion:276 Resp: 30834
 Ion Ratio Lower Upper
 276 100
 138 19.7 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.608 ng/ul
 RT: 27.14 min Scan# 4711
 Delta R.T. -0.01 min
 Lab File: BE096176.D
 Acq: 26 Apr 2018 12:10

Tgt Ion:278 Resp: 8863
 Ion Ratio Lower Upper
 278 100
 139 17.5 17.4 26.0
 279 27.6 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 1.472 ng/ul

RT: 28.00 min Scan# 4950

Delta R.T. -0.01 min

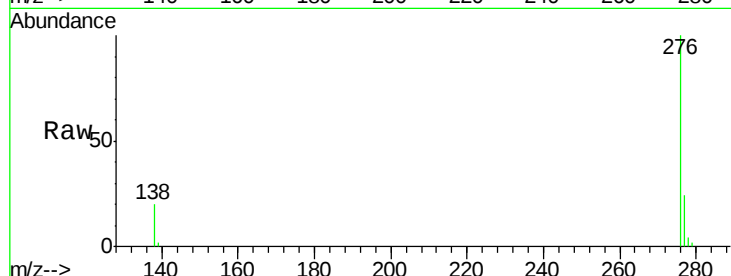
Lab File: BE096176.D

Acq: 26 Apr 2018 12:10

Instrument :

BNA_E

ClientSampleId :



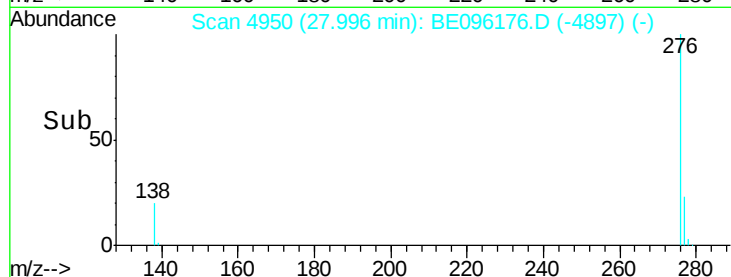
Tot Ion:276 Resp: 22306

Ion Ratio Lower Upper

276 100

138 20.5 21.8 32.8#

277 24.2 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

