

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
 Data File : BE096174.D
 Acq On : 26 Apr 2018 10:59
 Operator : SJ/JU
 Sample : J2431-06DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 27 02:30:23 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

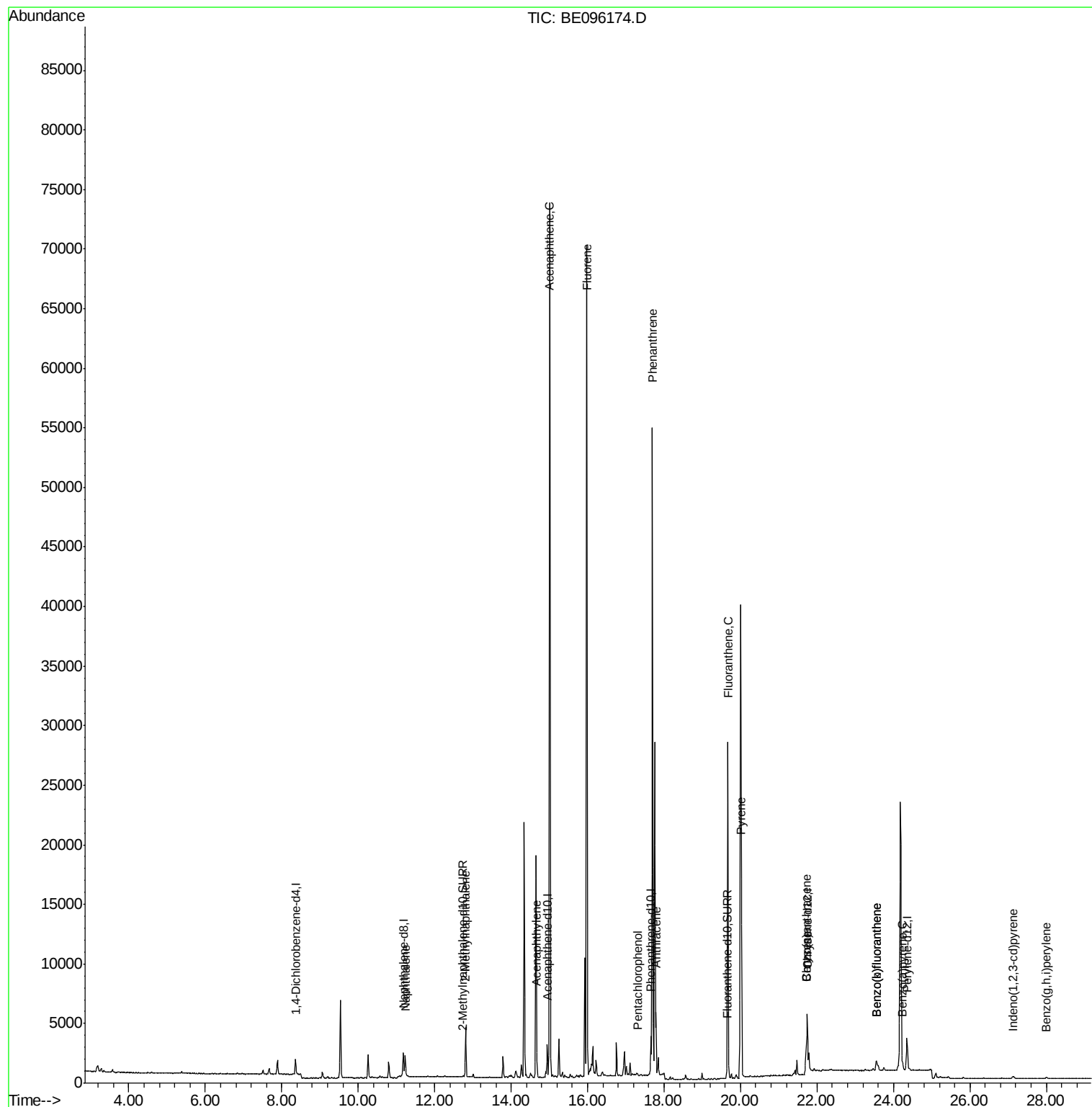
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	672	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	2576	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	1483	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	3587	0.40	ng/ul	0.00
16) Chrysene-d12	21.75	240	4706	0.40	ng/ul	0.00
20) Perylene-d12	24.35	264	3977	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	162	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	503	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.23	128	2665	0.372	ng/ul#	87
5) 2-Methylnaphthalene	12.81	142	3483	0.725	ng/ul	100
7) Acenaphthylene	14.67	152	1354	0.177	ng/ul#	87
8) Acenaphthene	15.01	153	43346	7.864	ng/ul	94
9) Fluorene	15.98	166	58569	8.030	ng/ul#	92
11) Pentachlorophenol	17.32	266	22	0.025	ng/ul	99
12) Phenanthrene	17.70	178	56285	5.330	ng/ul#	88
13) Anthracene	17.79	178	5448	0.514	ng/ul#	91
15) Fluoranthene	19.67	202	32026	1.984	ng/ul	83
17) Pyrene	20.02	202	11447	1.212	ng/ul#	78
18) Benzo(a)anthracene	21.73	228	1979	0.139	ng/ul#	88
19) Chrysene	21.73	228	1979	0.151	ng/ul	97
21) Benzo(b)fluoranthene	23.55	252	2293	0.152	ng/ul	89
22) Benzo(k)fluoranthene	23.55	252	2268	0.158	ng/ul#	87
23) Benzo(a)pyrene	24.23	252	810	0.062	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	27.13	276	397	0.023	ng/ul#	61
26) Benzo(a,h,i)perylene	27.99	276	326	0.021	ng/ul#	45

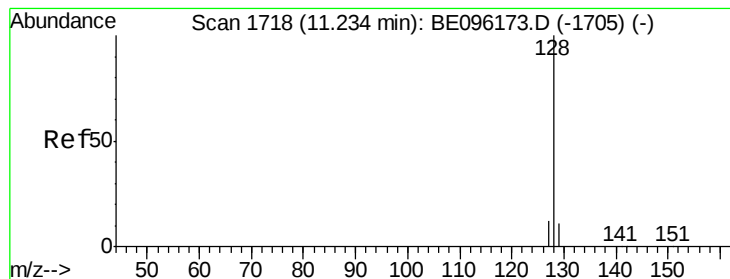
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.372 ng/ul

RT: 11.23 min Scan# 1718

Delta R.T. -0.00 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

Instrument :

BNA_E

ClientSampleId :

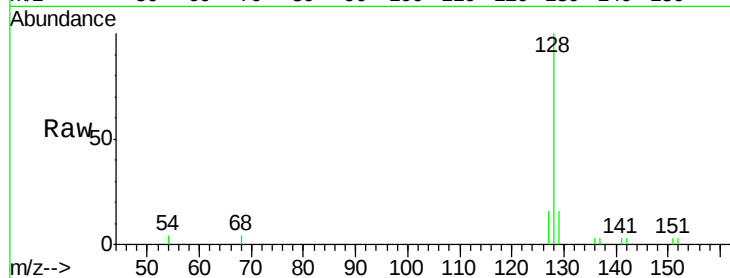
Tot Ion:128 Resp: 2665

Ion Ratio Lower Upper

128 100

129 16.2 11.3 16.9

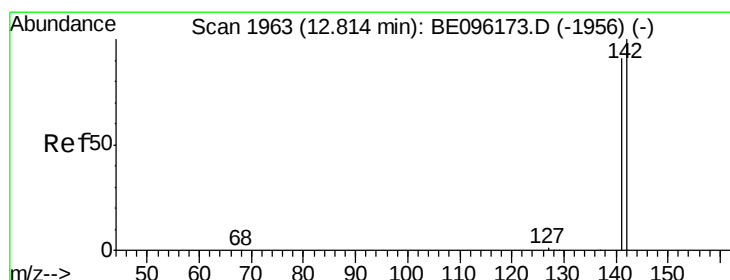
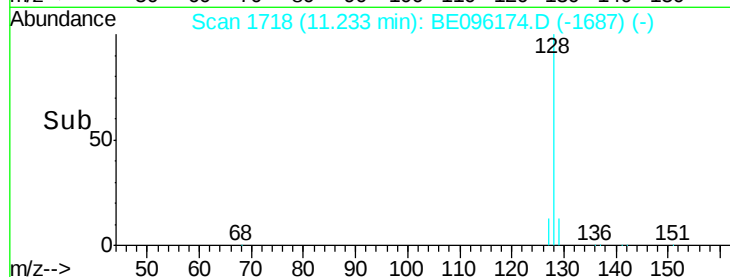
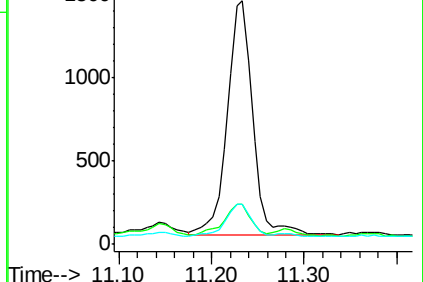
127 16.4 4.0 6.0#



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: 0.725 ng/ul

RT: 12.81 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BE096174.D

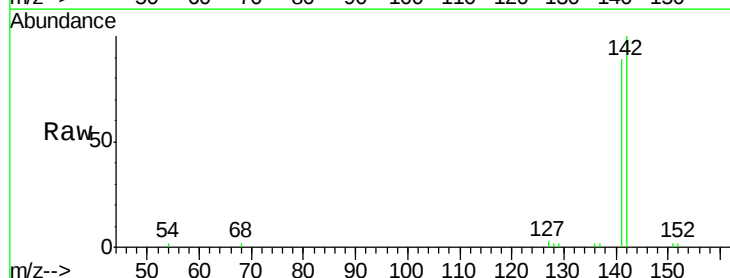
Acq: 26 Apr 2018 10:59

Tgt Ion:142 Resp: 3483

Ion Ratio Lower Upper

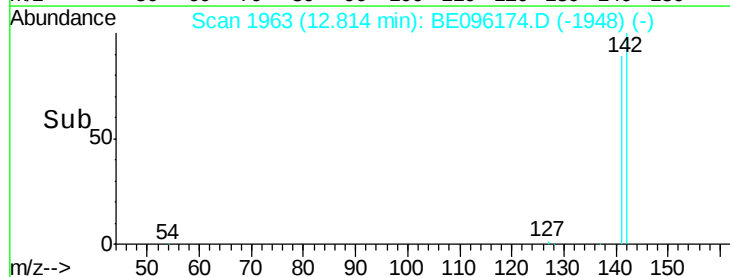
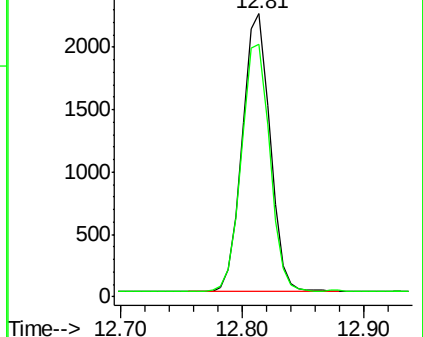
142 100

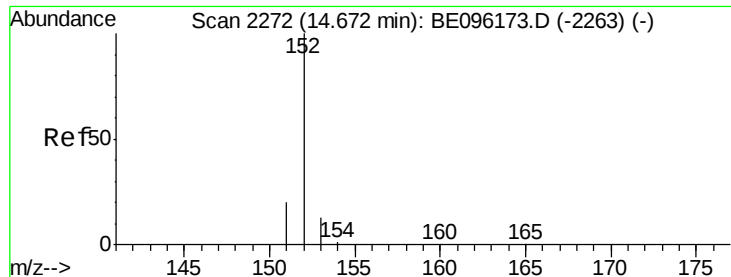
141 90.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.177 ng/ul

RT: 14.67 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

Instrument :

BNA_E

ClientSampleId :

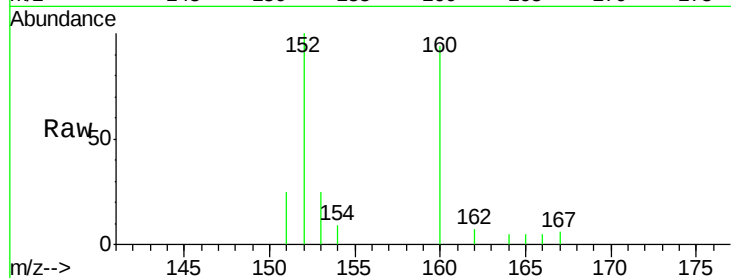
Tot Ion:152 Resp: 1354

Ion Ratio Lower Upper

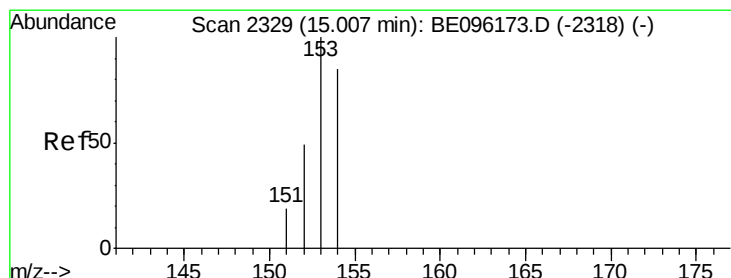
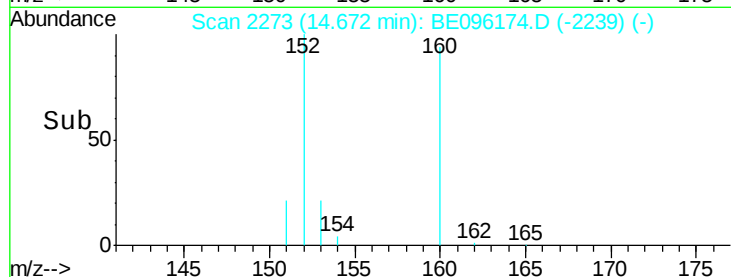
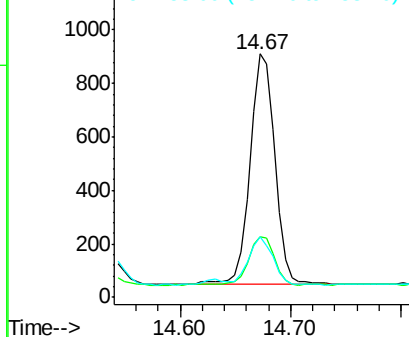
152 100

151 24.7 17.1 25.7

153 25.0 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: 7.864 ng/ul

RT: 15.01 min Scan# 2330

Delta R.T. 0.00 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

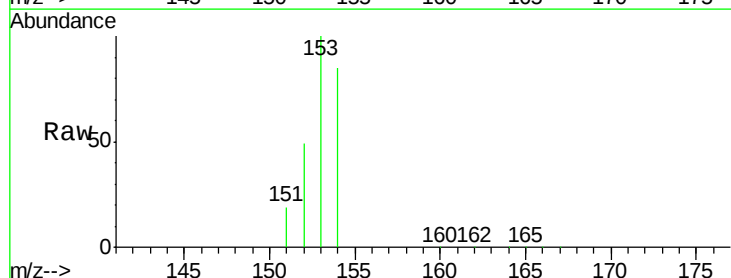
Tgt Ion:153 Resp: 43346

Ion Ratio Lower Upper

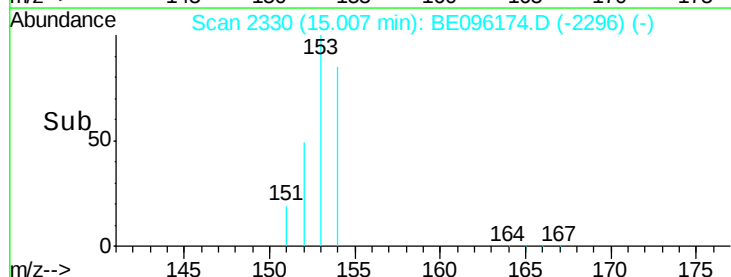
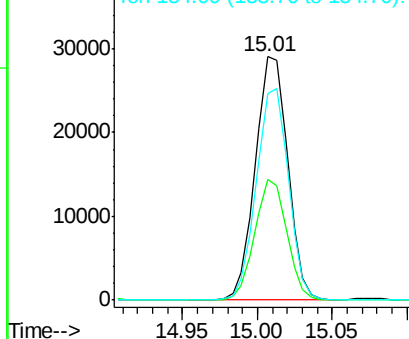
153 100

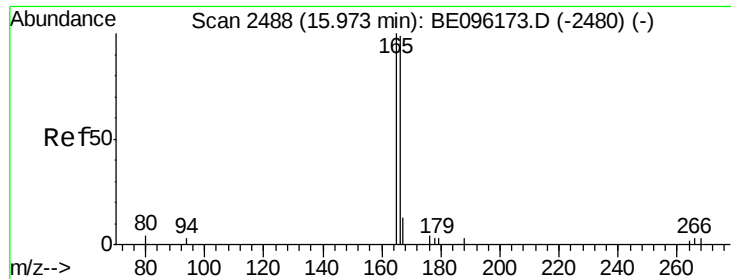
152 49.4 36.0 54.0

154 84.6 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: 8.030 ng/ul

RT: 15.98 min Scan# 2490

Delta R.T. 0.01 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

Instrument :

BNA_E

ClientSampleId :

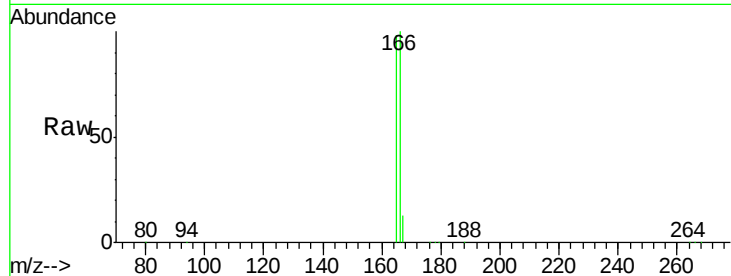
Tot Ion:166 Resp: 58569

Ion Ratio Lower Upper

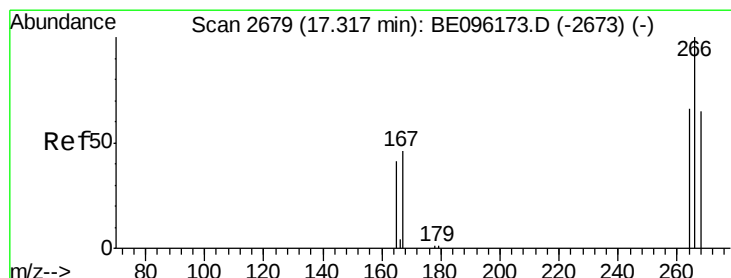
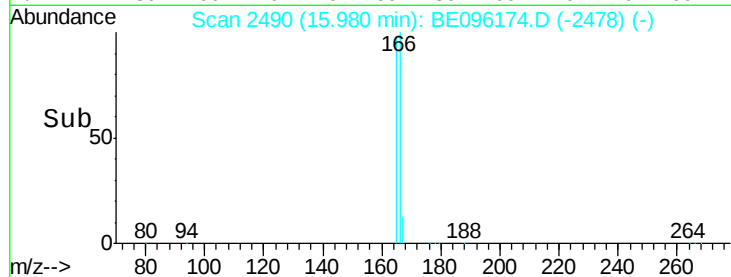
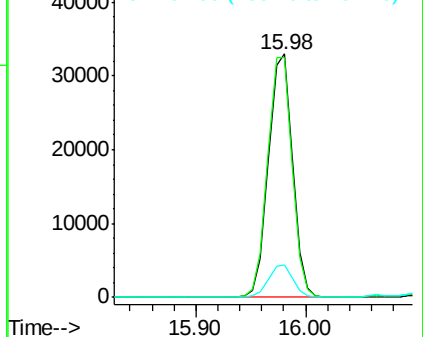
166 100

165 98.3 73.4 110.2

167 13.3 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: 0.025 ng/ul

RT: 17.32 min Scan# 2680

Delta R.T. -0.00 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

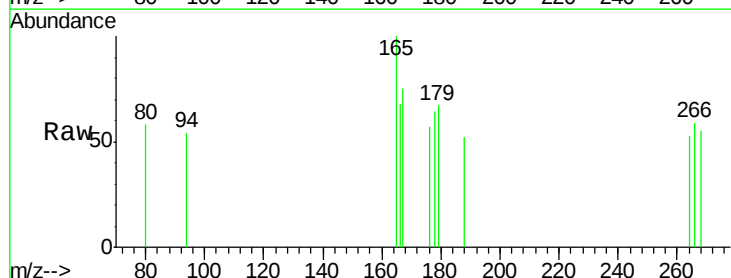
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

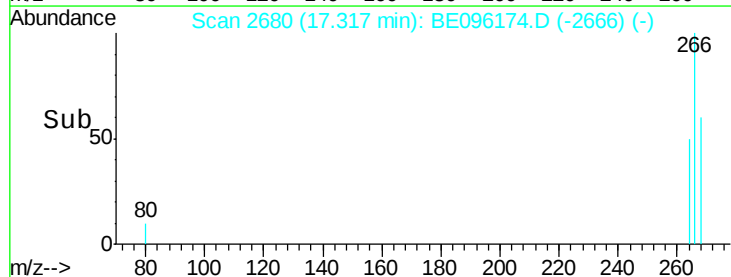
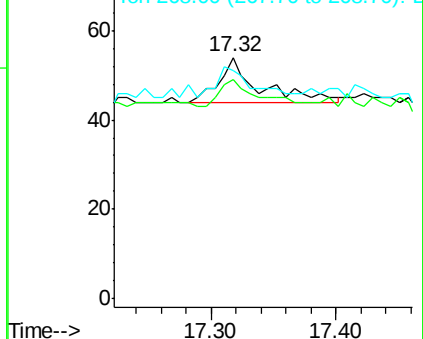
266 100

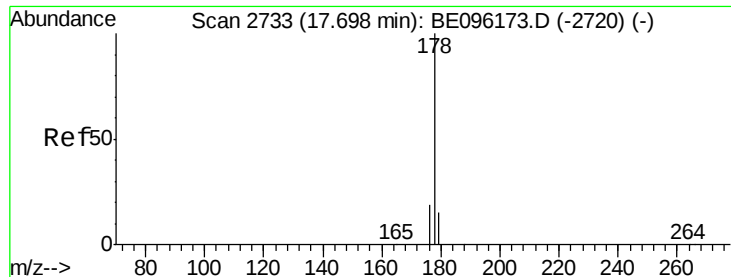
264 59.1 47.9 71.9

268 63.6 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: 5.330 ng/ul

RT: 17.70 min Scan# 2734

Delta R.T. -0.00 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

Instrument :

BNA_E

ClientSampleId :

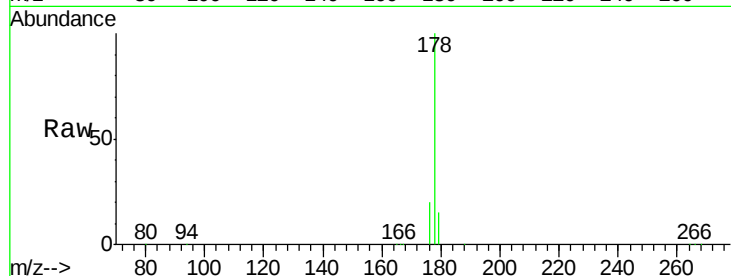
Tot Ion:178 Resp: 56285

Ion Ratio Lower Upper

178 100

179 15.2 18.4 27.6#

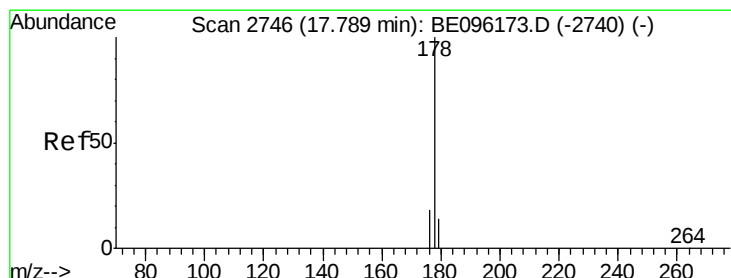
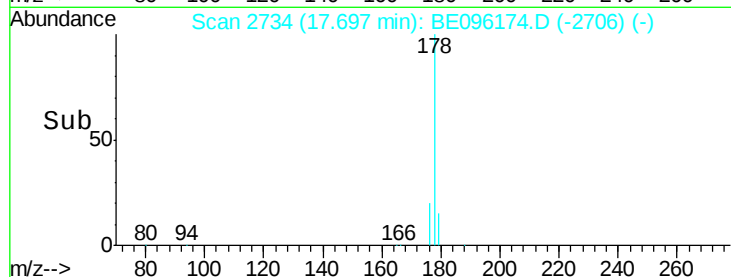
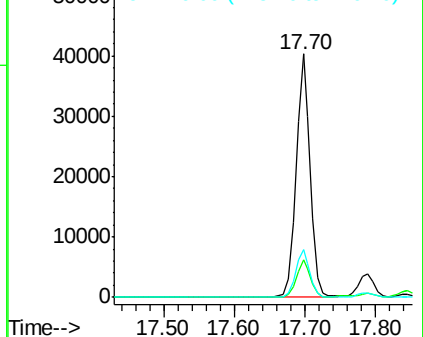
176 19.9 13.6 20.4



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: 0.514 ng/ul

RT: 17.79 min Scan# 2747

Delta R.T. -0.00 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

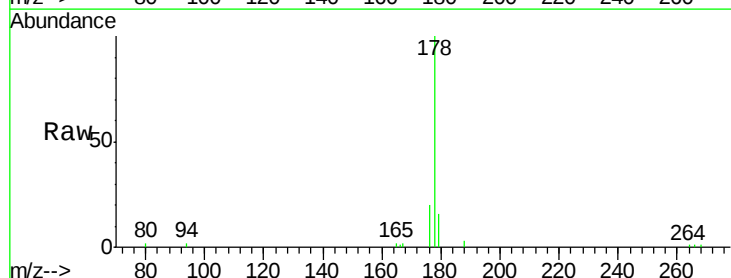
Tgt Ion:178 Resp: 5448

Ion Ratio Lower Upper

178 100

179 16.3 18.1 27.1#

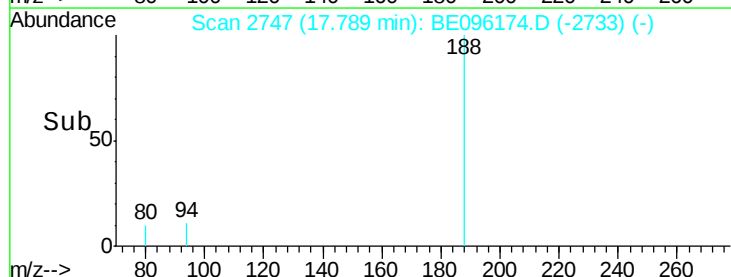
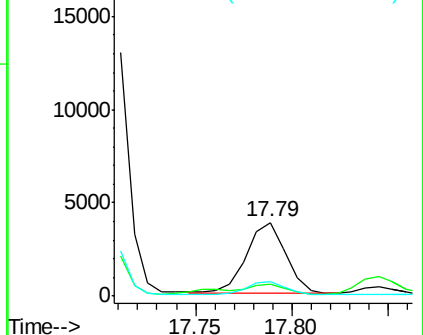
176 19.8 14.7 22.1

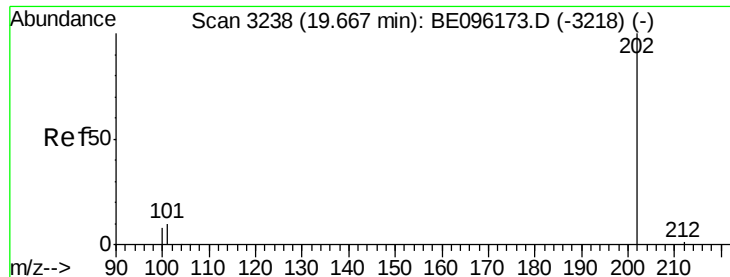


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

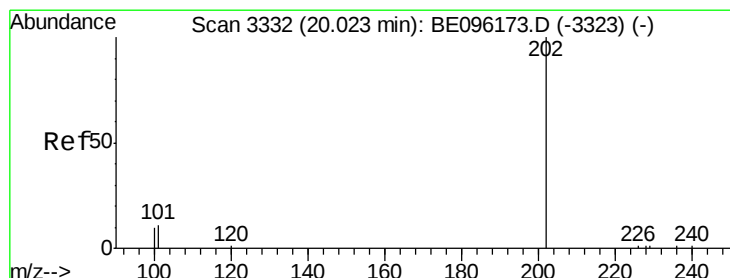
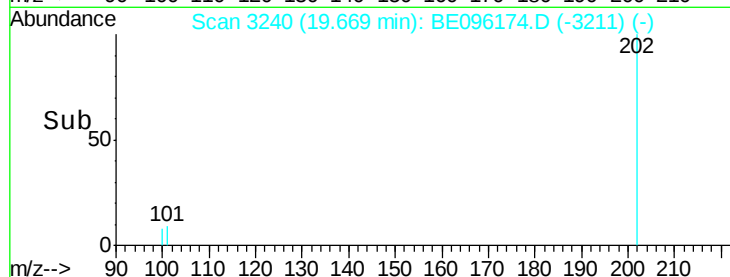
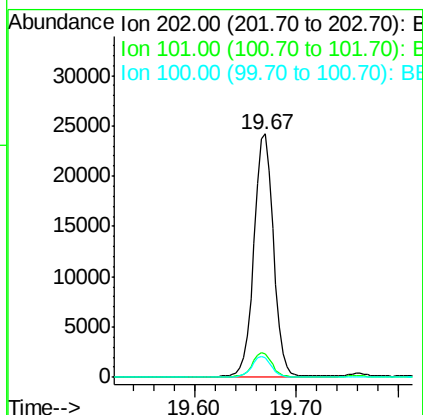
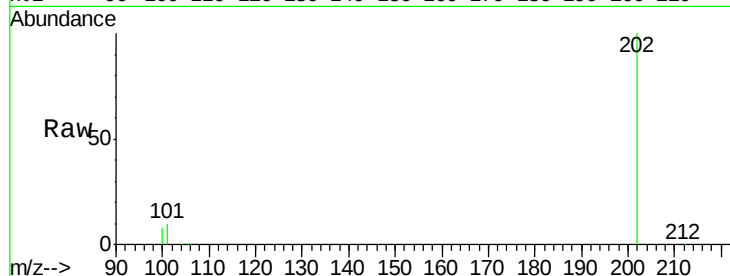




#15
Fluoranthene
 Concen: 1.984 ng/ul
 RT: 19.67 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: BE096174.D
 Acq: 26 Apr 2018 10:59

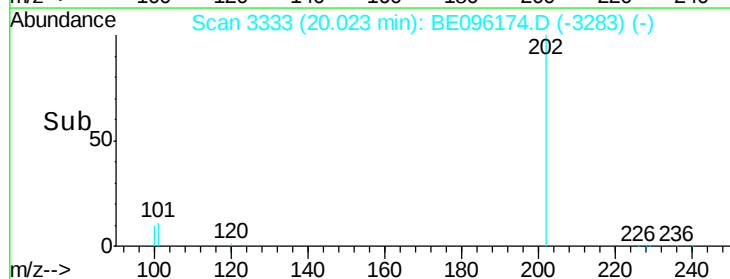
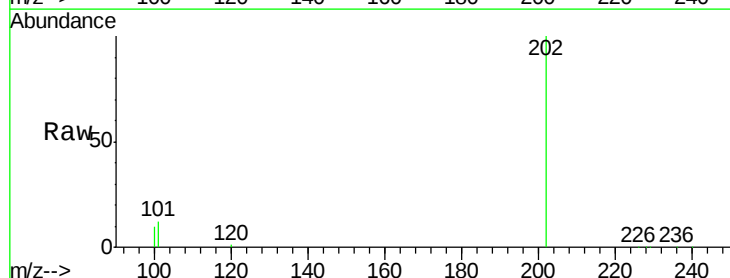
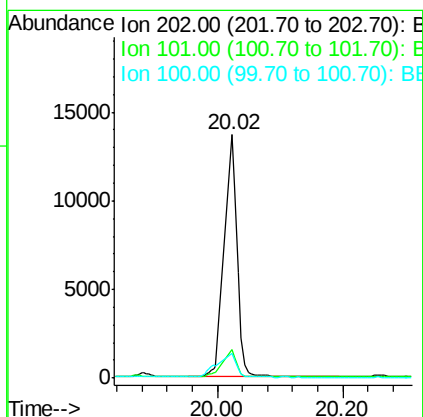
Instrument :
 BNA_E
 ClientSampleId :

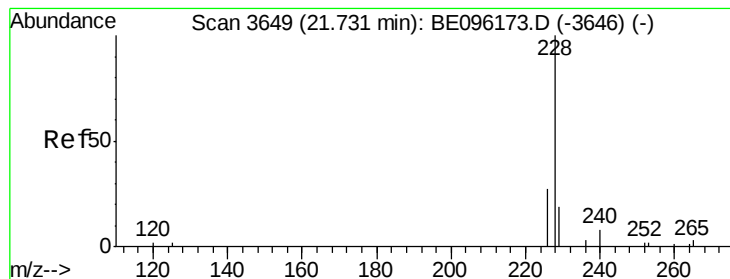
Tot Ion:202 Resp: 32026
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 30.3
 100 7.9 0.0 39.5



#17
Pyrene
 Concen: 1.212 ng/ul
 RT: 20.02 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: BE096174.D
 Acq: 26 Apr 2018 10:59

Tgt Ion:202 Resp: 11447
 Ion Ratio Lower Upper
 202 100
 101 11.7 18.2 27.4#
 100 10.3 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.139 ng/ul

RT: 21.73 min Scan# 3650

Delta R.T. 0.00 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

Instrument :

BNA_E

ClientSampleId :

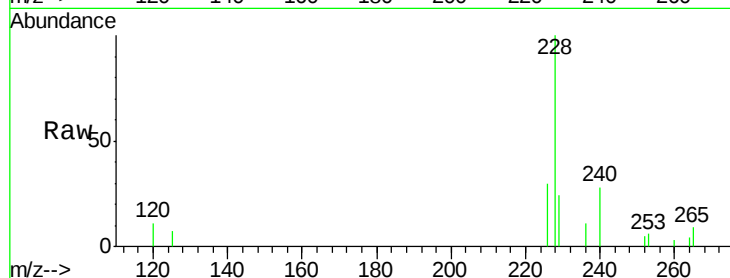
Tot Ion:228 Resp: 1979

Ion Ratio Lower Upper

228 100

229 24.5 22.8 34.2

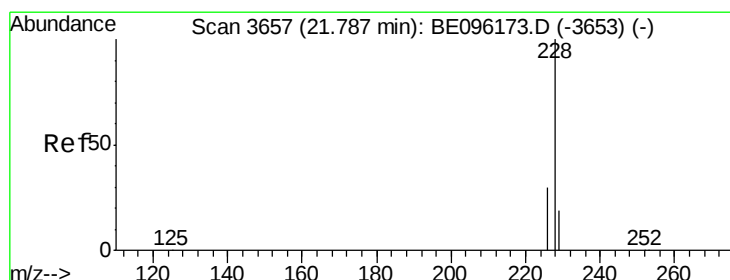
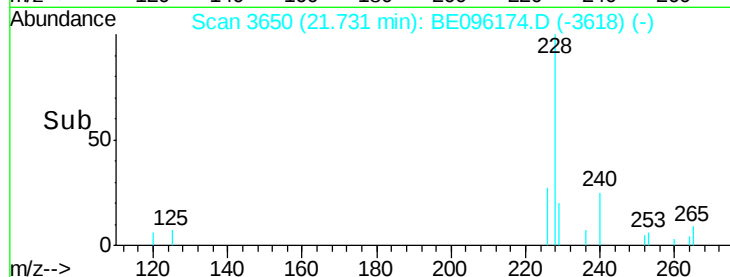
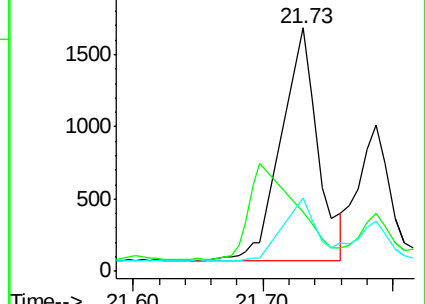
226 30.1 17.0 25.6#



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: 0.151 ng/ul

RT: 21.73 min Scan# 3650

Delta R.T. -0.06 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

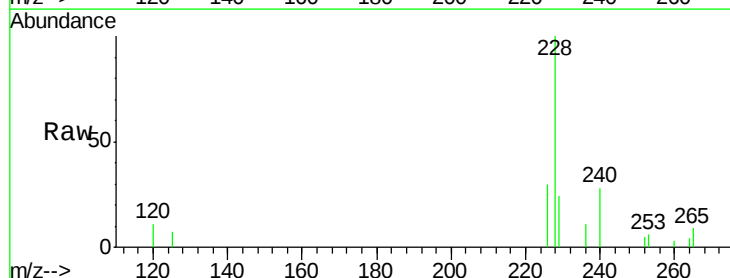
Tgt Ion:228 Resp: 1979

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

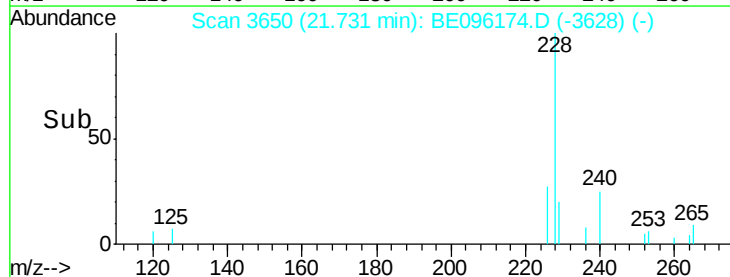
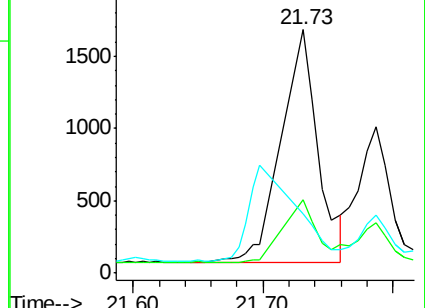
229 24.5 17.7 26.5

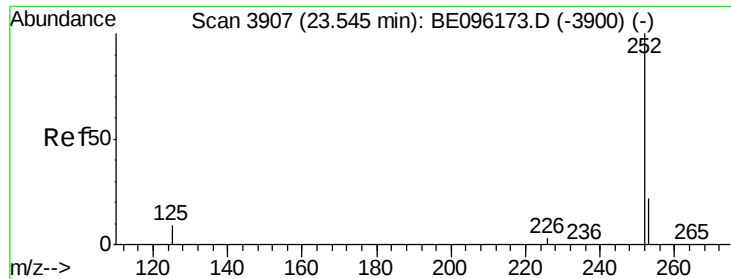


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

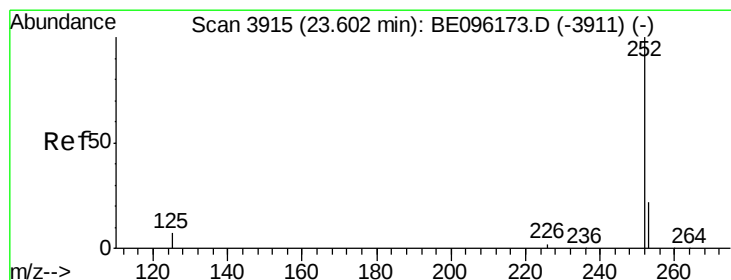
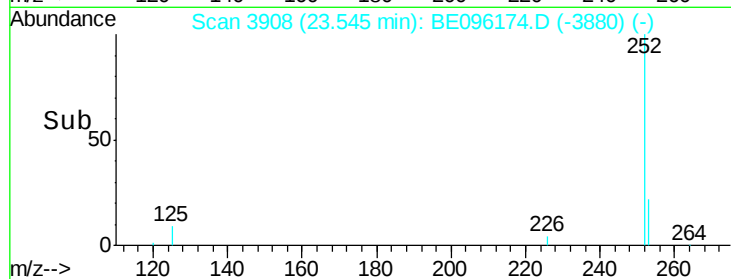
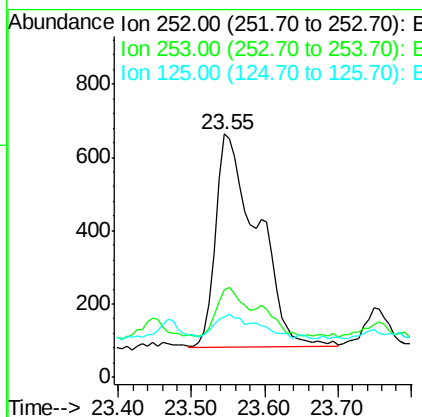
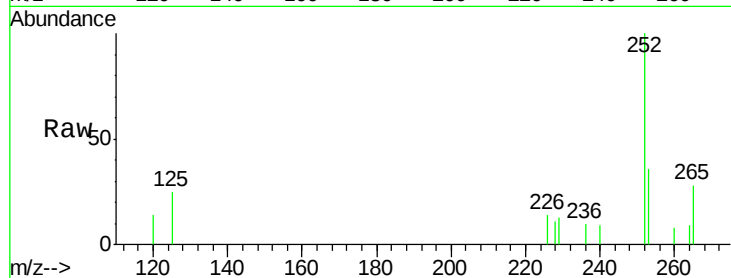




#21
Benzo(b)fluoranthene
Concen: 0.152 ng/ul
RT: 23.55 min Scan# 3908
Delta R.T. 0.00 min
Lab File: BE096174.D
Acq: 26 Apr 2018 10:59

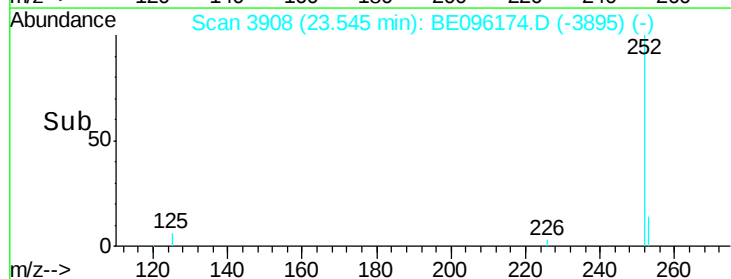
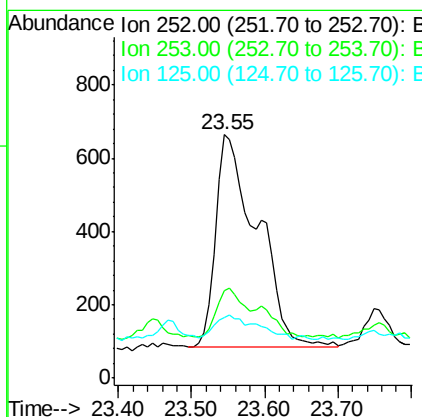
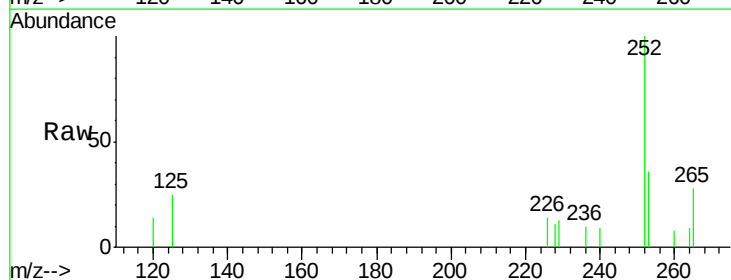
Instrument :
BNA_E
ClientSampleId :

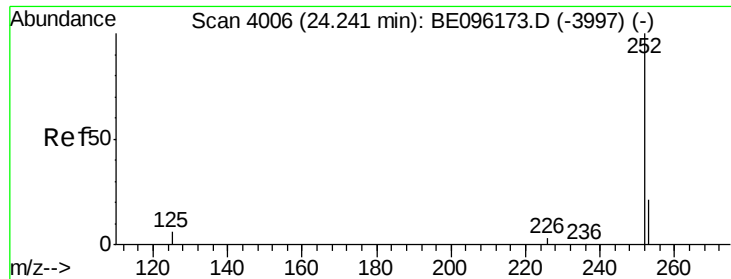
Tot Ion:252 Resp: 2293
Ion Ratio Lower Upper
252 100
253 36.1 0.0 64.2
125 24.8 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.158 ng/ul
RT: 23.55 min Scan# 3908
Delta R.T. -0.06 min
Lab File: BE096174.D
Acq: 26 Apr 2018 10:59

Tgt Ion:252 Resp: 2268
Ion Ratio Lower Upper
252 100
253 36.1 24.5 36.7
125 24.8 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.062 ng/ul

RT: 24.23 min Scan# 4006

Delta R.T. -0.01 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

Instrument :

BNA_E

ClientSampled :

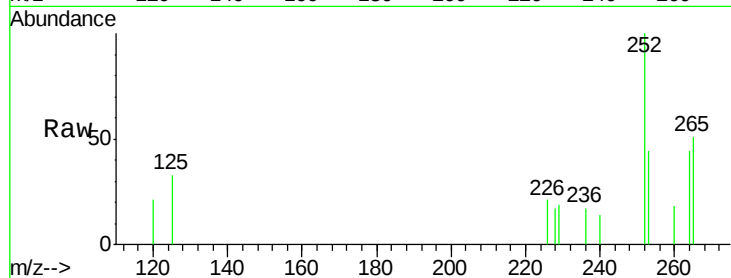
Tot Ion:252 Resp: 810

Ion Ratio Lower Upper

252 100

253 43.8 28.5 42.7#

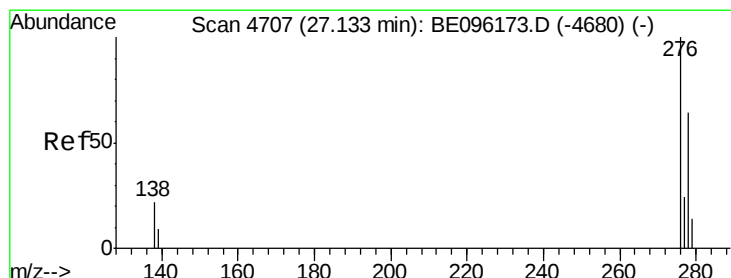
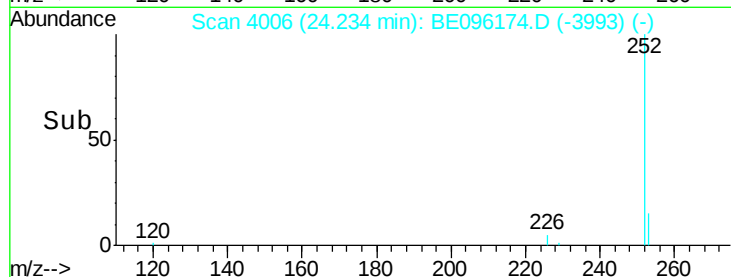
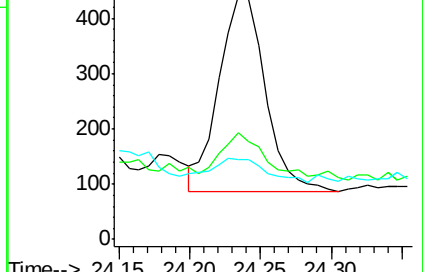
125 32.7 18.1 27.1#



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: 0.023 ng/ul

RT: 27.13 min Scan# 4707

Delta R.T. -0.00 min

Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

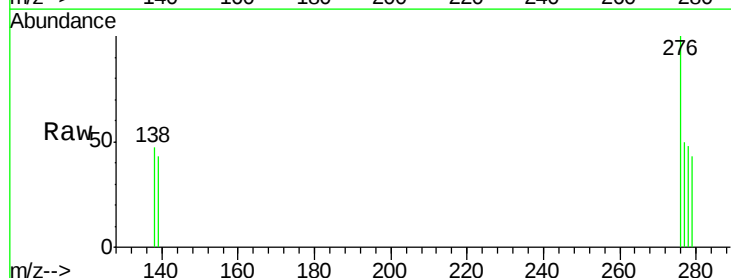
Tgt Ion:276 Resp: 397

Ion Ratio Lower Upper

276 100

138 10.6 28.0 42.0#

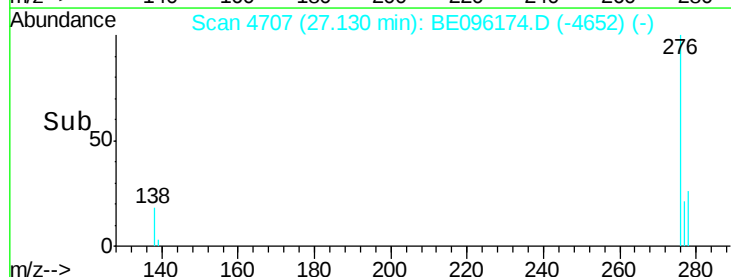
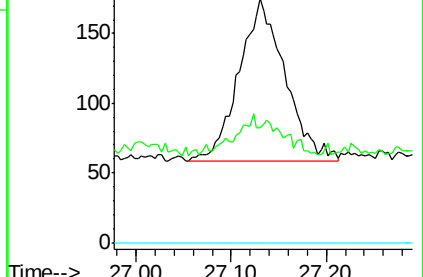
227 0.0 8.0 12.0#

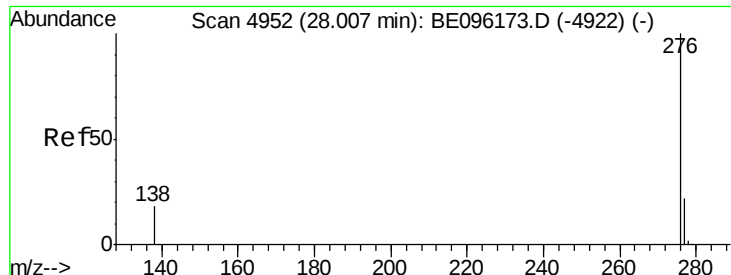


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.021 ng/ul

RT: 27.99 min Scan# 4948

Delta R.T. -0.02 min

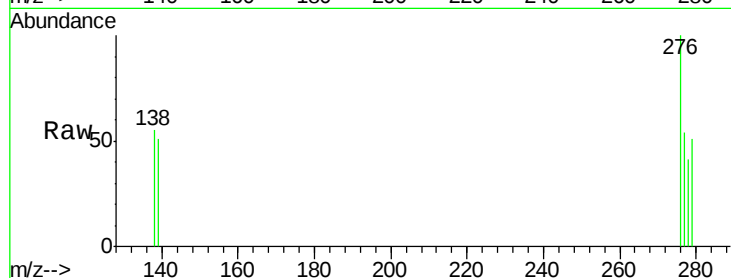
Lab File: BE096174.D

Acq: 26 Apr 2018 10:59

Instrument :

BNA_E

ClientSampleId :



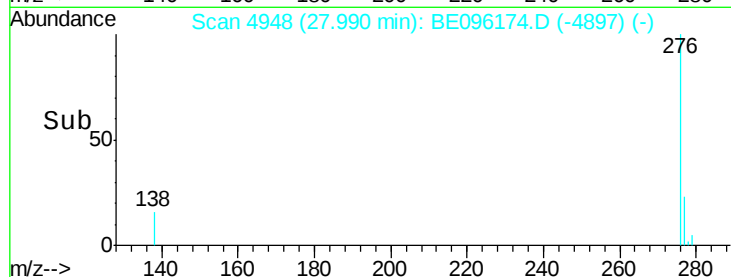
Tot Ion: 276 Resp: 326

Ion Ratio Lower Upper

276 100

138 54.9 21.8 32.8#

277 54.2 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

