

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\
 Data File : BE096166.D
 Acq On : 26 Apr 2018 2:05
 Operator : SJ/JU
 Sample : J2431-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 26 06:41:15 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 26 06:40:54 2018
 Response via : Initial Calibration

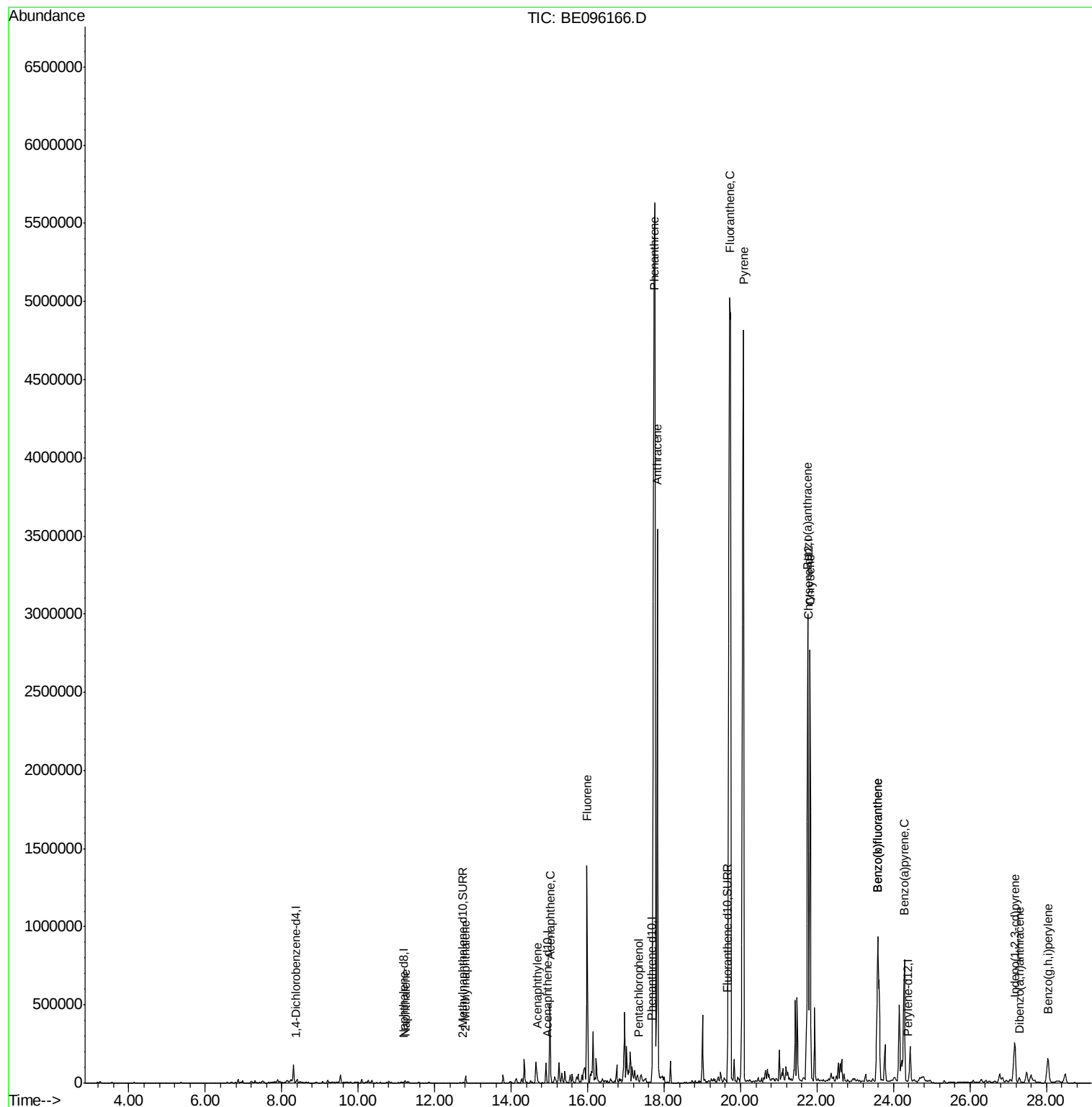
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	914	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	3805	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	2338	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.68	188	5710	0.40	ng/ul	0.02
16) Chrysene-d12	21.77	240	5443	0.40	ng/ul	0.03
20) Perylene-d12	24.38	264	6262	0.40	ng/ul	0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	1510	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.66	212	2684	0.10	ng/ul	0.02
Target Compounds				Ovalue		
3) Naphthalene	11.23	128	22263	2.101	ng/ul#	92
5) 2-Methylnaphthalene	12.81	142	36562	5.151	ng/ul	100
7) Acenaphthylene	14.68	152	76450	6.343	ng/ul	99
8) Acenaphthene	15.01	153	282613	32.521	ng/ul	91
9) Fluorene	15.99	166	992558	86.323	ng/ul#	89
11) Pentachlorophenol	17.34	266	90	0.065	ng/ul	88
12) Phenanthrene	17.75	178	13240081	787.563	ng/ul#	88
13) Anthracene	17.83	178	3788313	224.609	ng/ul#	91
15) Fluoranthene	19.72	202	14388525	559.932	ng/ul	84
17) Pyrene	20.08	202	12113656	1109.359	ng/ul#	80
18) Benzo(a)anthracene	21.76	228	4856128	294.691	ng/ul#	82
19) Chrysene	21.82	228	2734032	180.555	ng/ul	95
21) Benzo(b)fluoranthene	23.59	252	2864705	120.817	ng/ul	82
22) Benzo(k)fluoranthene	23.59	252	2864705	126.381	ng/ul#	84
23) Benzo(a)pyrene	24.28	252	1344783	65.283	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	27.17	276	511508	18.429	ng/ul#	73
25) Dibenzo(a,h)anthracene	27.29	278	52635	2.265	ng/ul	92
26) Benzo(g,h,i)perylene	28.04	276	410231	16.980	ng/ul#	91

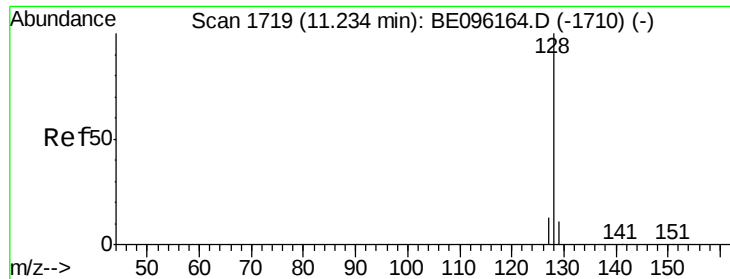
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.101 ng/ul

RT: 11.23 min Scan# 1718

Delta R.T. -0.00 min

Lab File: BE096166.D

Acq: 26 Apr 2018 2:05

Instrument :

BNA_E

ClientSampleId :

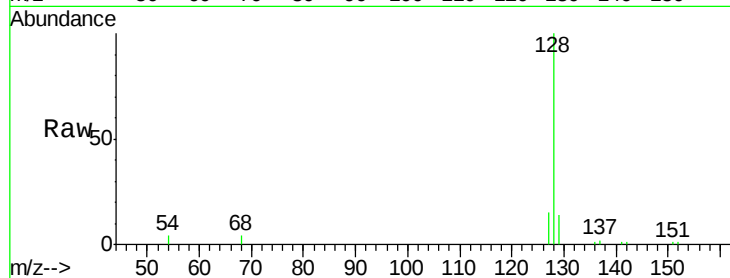
Tot Ion:128 Resp: 22263

Ion Ratio Lower Upper

128 100

129 14.2 11.3 16.9

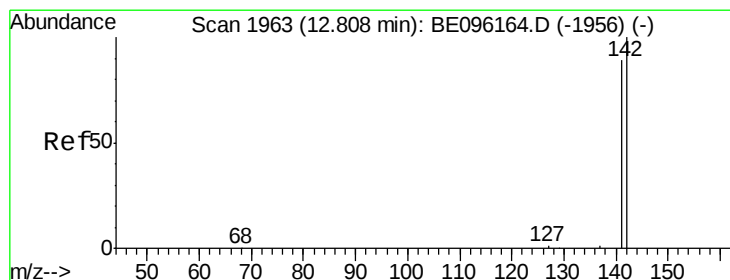
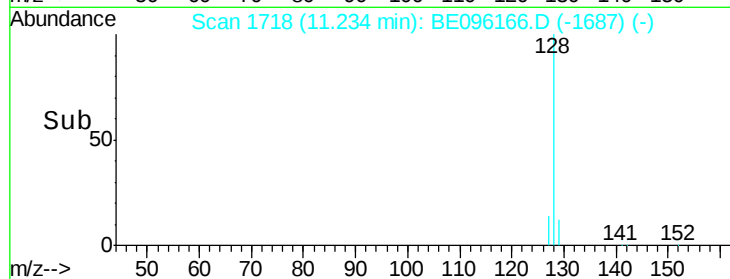
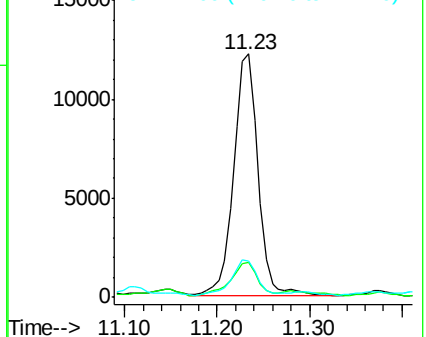
127 15.1 4.0 6.0#



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: 5.151 ng/ul

RT: 12.81 min Scan# 1963

Delta R.T. 0.01 min

Lab File: BE096166.D

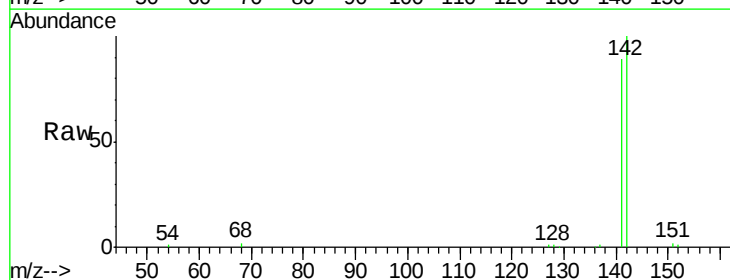
Acq: 26 Apr 2018 2:05

Tgt Ion:142 Resp: 36562

Ion Ratio Lower Upper

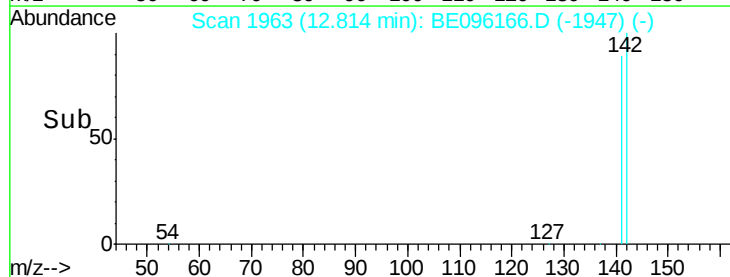
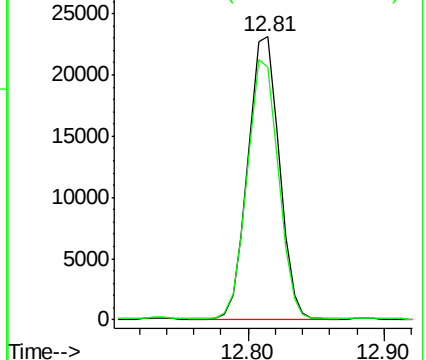
142 100

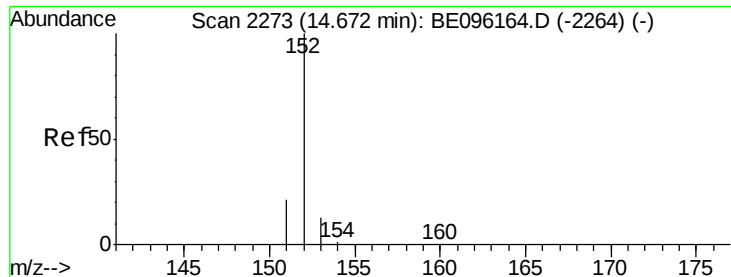
141 91.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 6.343 ng/ul

RT: 14.68 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BE096166.D

Acq: 26 Apr 2018 2:05

Instrument :

BNA_E

ClientSampleId :

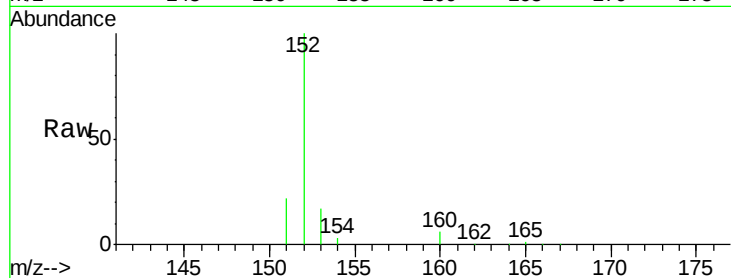
Tot Ion:152 Resp: 76450

Ion Ratio Lower Upper

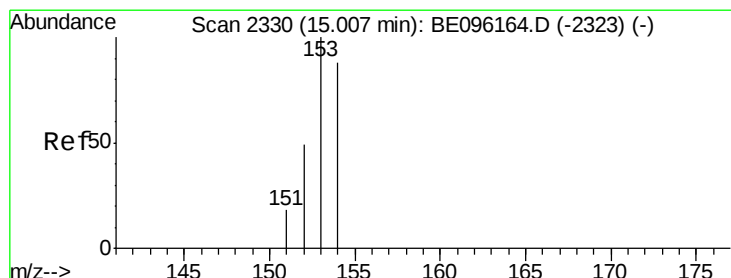
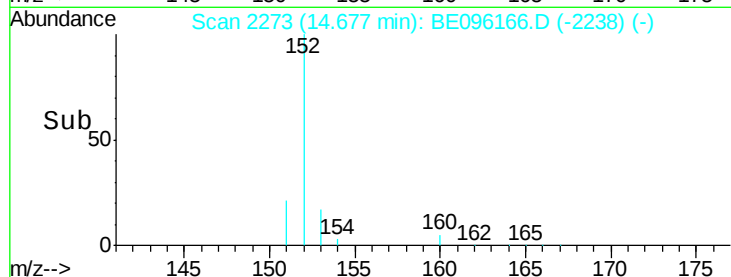
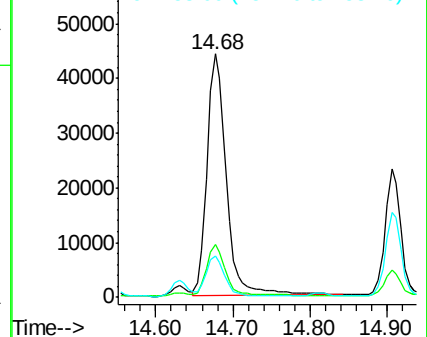
152 100

151 21.5 17.1 25.7

153 17.2 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: 32.521 ng/ul

RT: 15.01 min Scan# 2330

Delta R.T. 0.00 min

Lab File: BE096166.D

Acq: 26 Apr 2018 2:05

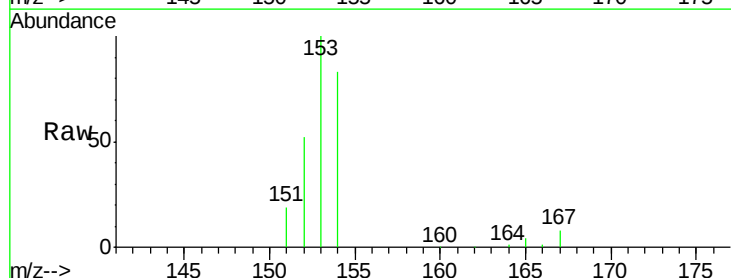
Tgt Ion:153 Resp: 282613

Ion Ratio Lower Upper

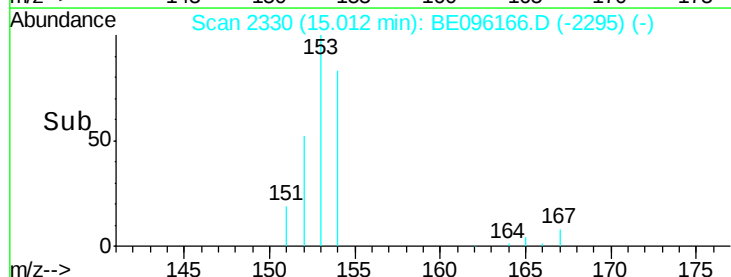
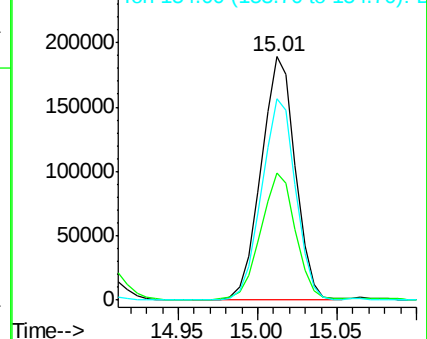
153 100

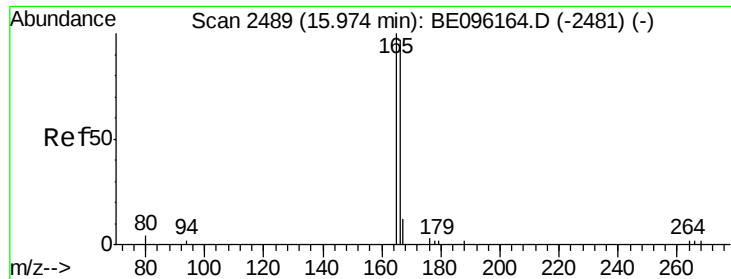
152 52.3 36.0 54.0

154 82.6 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: 86.323 ng/ul

RT: 15.99 min Scan# 2490

Delta R.T. 0.01 min

Lab File: BE096166.D

Acq: 26 Apr 2018 2:05

Instrument :

BNA_E

ClientSampleId :

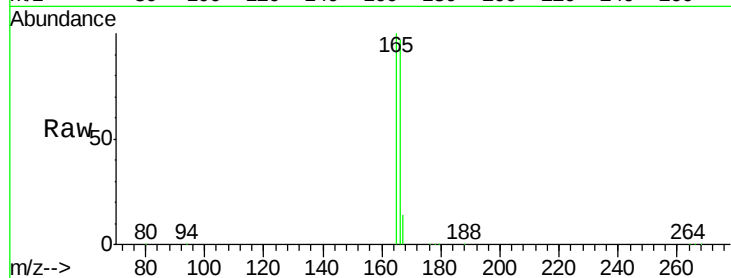
Tot Ion:166 Resp: 992558

Ion Ratio Lower Upper

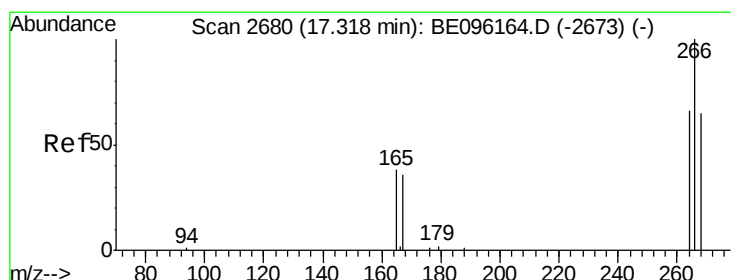
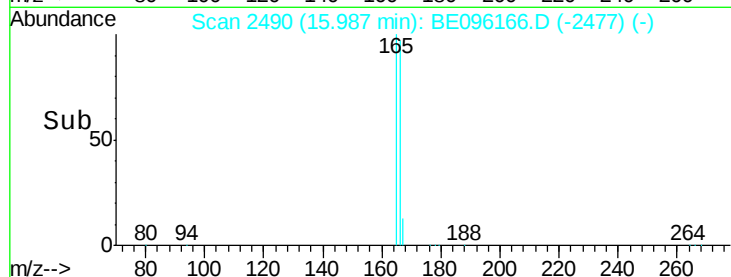
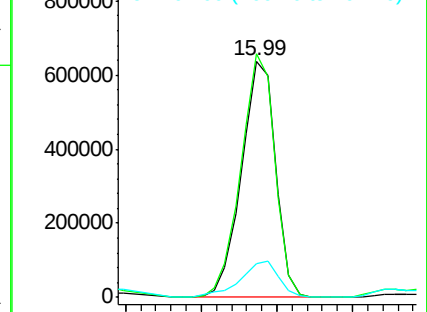
166 100

165 103.1 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: 0.065 ng/ul

RT: 17.34 min Scan# 2683

Delta R.T. 0.03 min

Lab File: BE096166.D

Acq: 26 Apr 2018 2:05

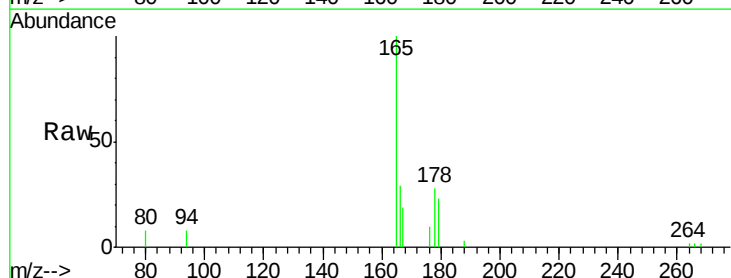
Tgt Ion:266 Resp: 90

Ion Ratio Lower Upper

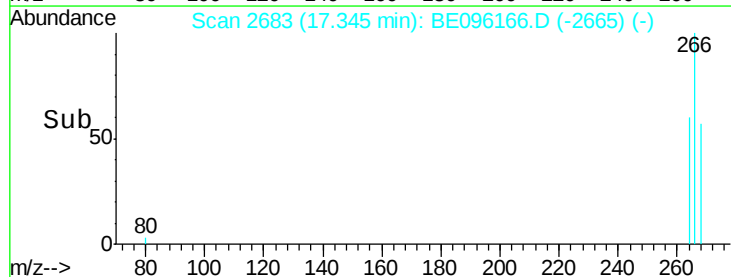
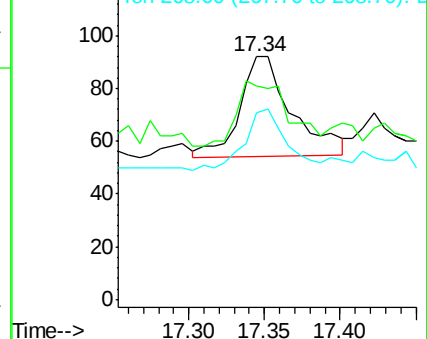
266 100

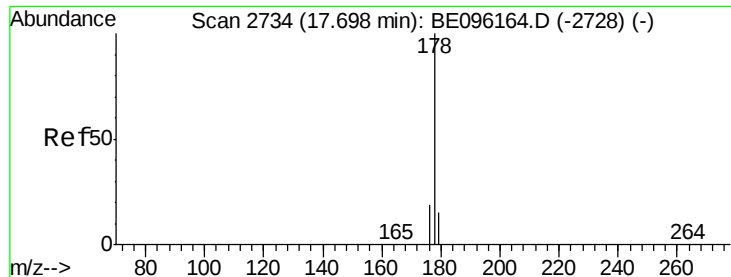
264 65.6 47.9 71.9

268 50.0 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: 787.563 ng/ul

RT: 17.75 min Scan# 2741

Delta R.T. 0.06 min

Lab File: BE096166.D

Acq: 26 Apr 2018 2:05

Instrument :

BNA_E

ClientSampleId :

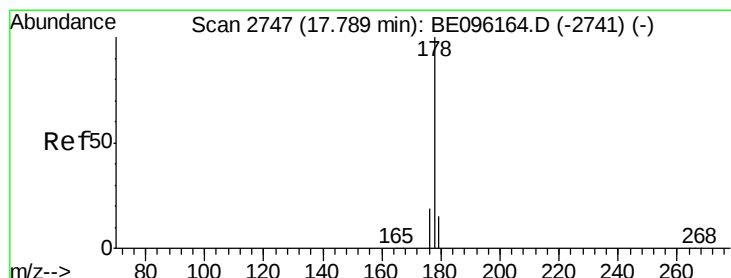
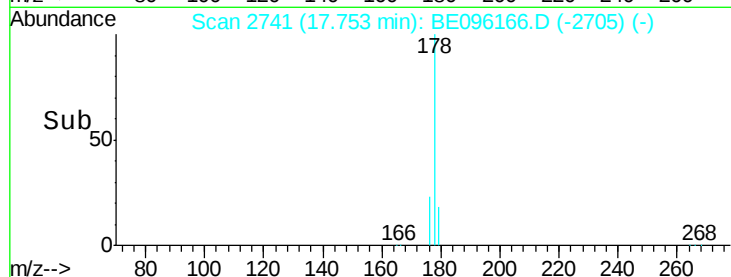
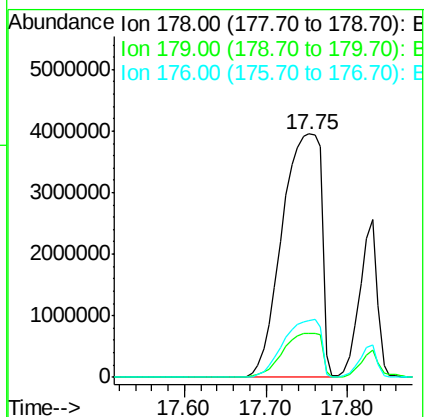
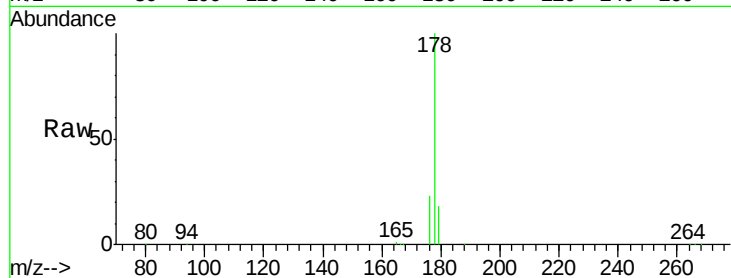
Tot Ion:178 Resp:13240081

Ion Ratio Lower Upper

178 100

179 18.2 18.4 27.6#

176 23.5 13.6 20.4#



#13

Anthracene

Concen: 224.609 ng/ul

RT: 17.83 min Scan# 2752

Delta R.T. 0.04 min

Lab File: BE096166.D

Acq: 26 Apr 2018 2:05

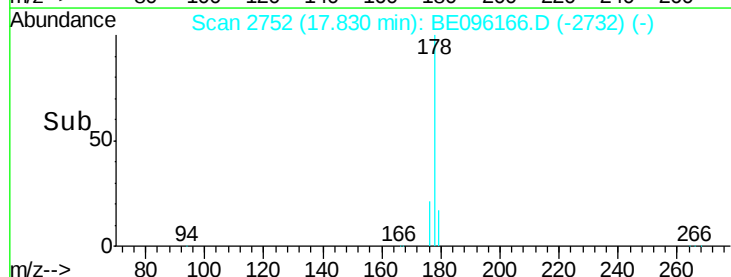
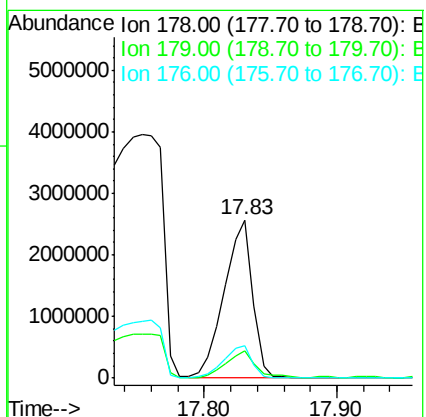
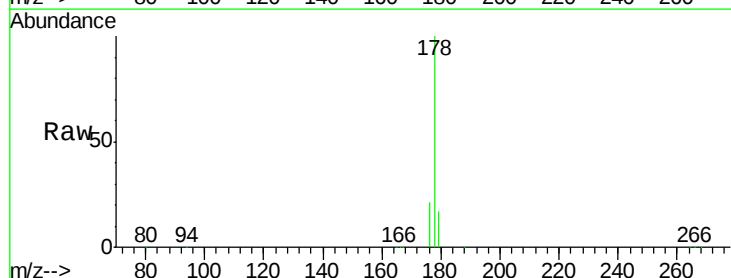
Tgt Ion:178 Resp: 3788313

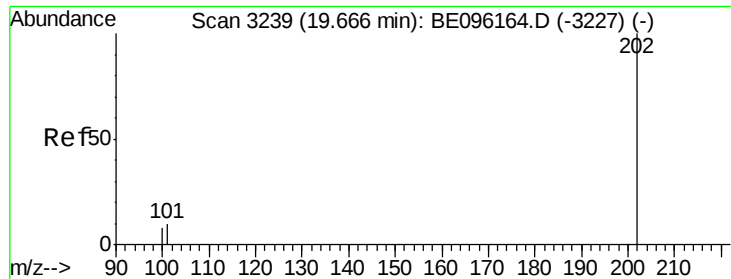
Ion Ratio Lower Upper

178 100

179 17.0 18.1 27.1#

176 20.6 14.7 22.1





#15

Fluoranthene

Concen: 559.932 ng/ul

RT: 19.72 min Scan# 3253

Delta R.T. 0.05 min

Lab File: BE096166.D

Acq: 26 Apr 2018 2:05

Instrument :

BNA_E

ClientSampleId :

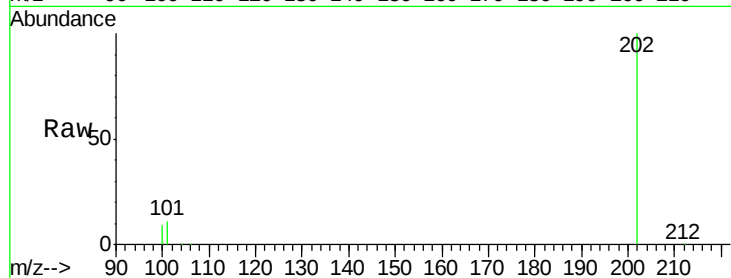
Tot Ion:202 Resp:14388525

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.3

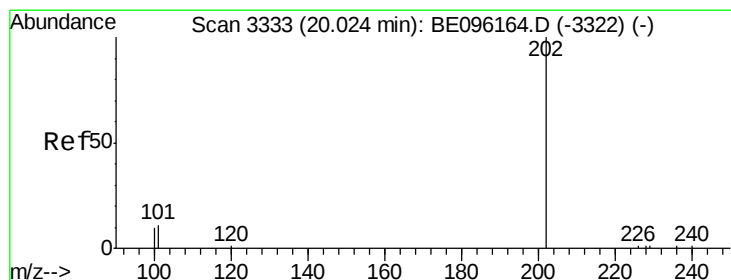
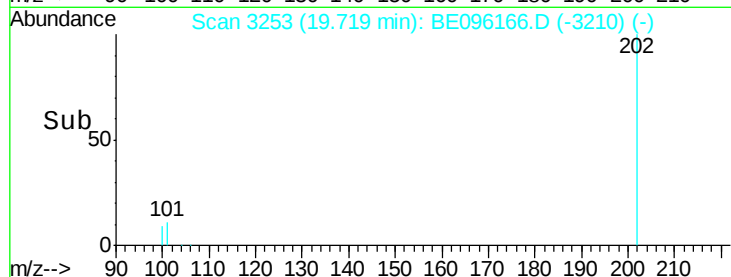
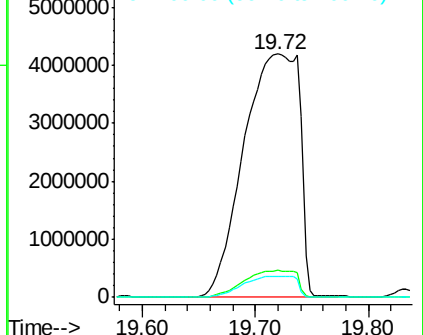
100 8.7 0.0 39.5



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: 1109.359 ng/ul

RT: 20.08 min Scan# 3343

Delta R.T. 0.05 min

Lab File: BE096166.D

Acq: 26 Apr 2018 2:05

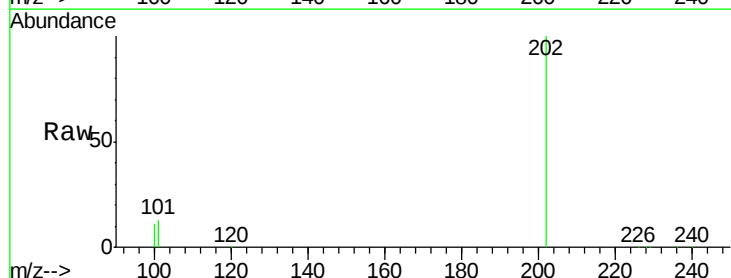
Tgt Ion:202 Resp:12113656

Ion Ratio Lower Upper

202 100

101 13.1 18.2 27.4#

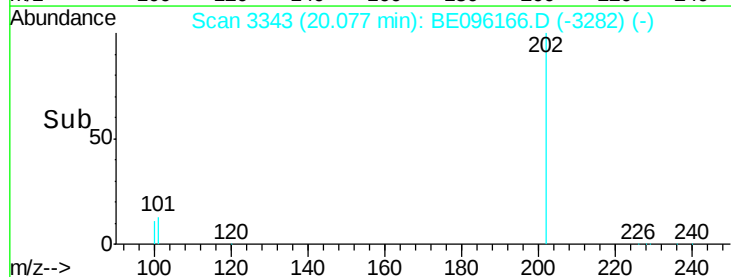
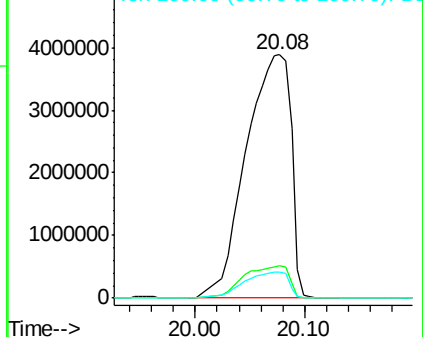
100 10.7 15.6 23.4#

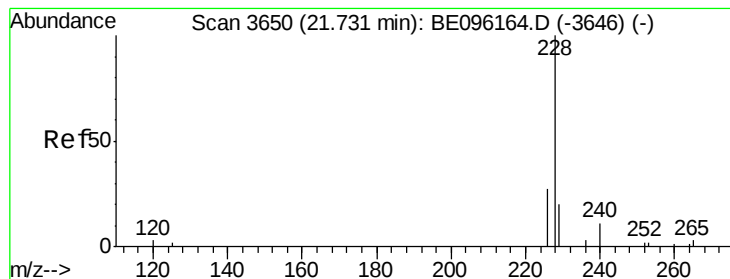


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 294.691 ng/ul

RT: 21.76 min Scan# 3654

Delta R.T. 0.03 min

Lab File: BE096166.D

Acq: 26 Apr 2018 2:05

Instrument :

BNA_E

ClientSampleId :

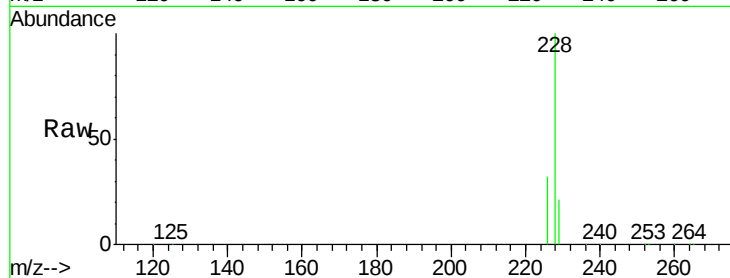
Tot Ion:228 Resp: 4856128

Ion Ratio Lower Upper

228 100

229 21.1 22.8 34.2#

226 32.2 17.0 25.6#

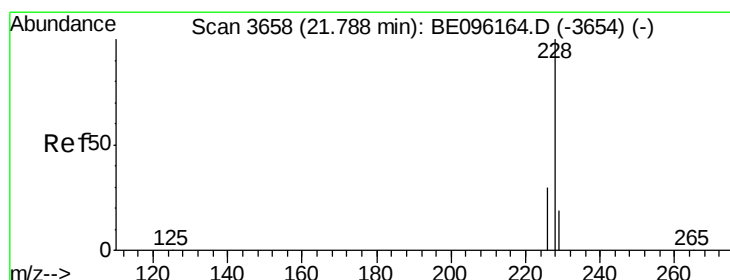
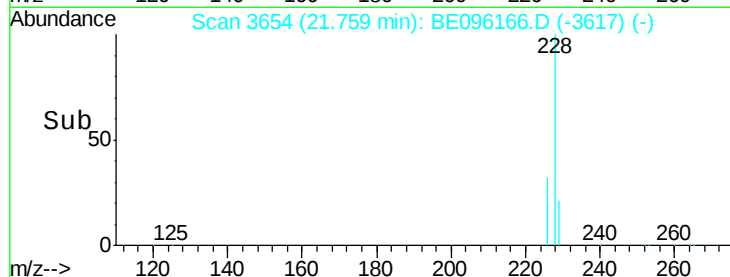
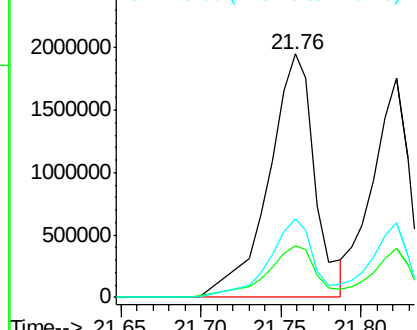


Abundance

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: 180.555 ng/ul

RT: 21.82 min Scan# 3663

Delta R.T. 0.03 min

Lab File: BE096166.D

Acq: 26 Apr 2018 2:05

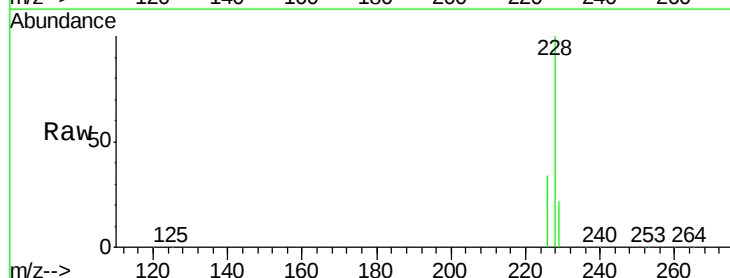
Tgt Ion:228 Resp: 2734032

Ion Ratio Lower Upper

228 100

226 34.0 23.4 35.0

229 22.5 17.7 26.5

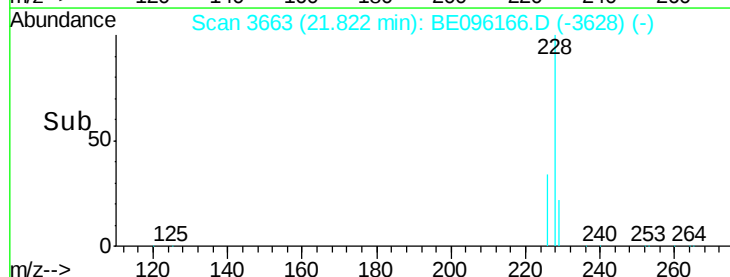
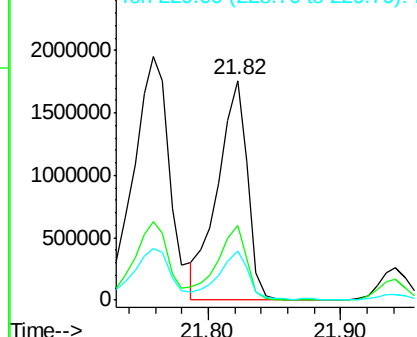


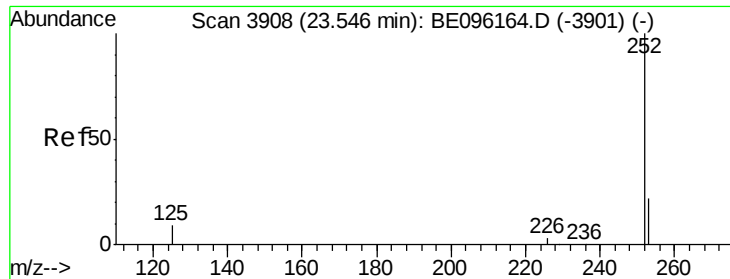
Abundance

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: 120.817 ng/ul

RT: 23.59 min Scan# 3915

Delta R.T. 0.05 min

Lab File: BE096166.D

Acq: 26 Apr 2018 2:05

Instrument :

BNA_E

ClientSampleId :

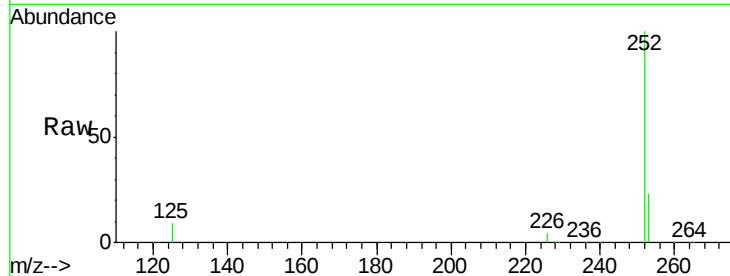
Tot Ion:252 Resp: 2864705

Ion Ratio Lower Upper

252 100

253 22.7 0.0 64.2

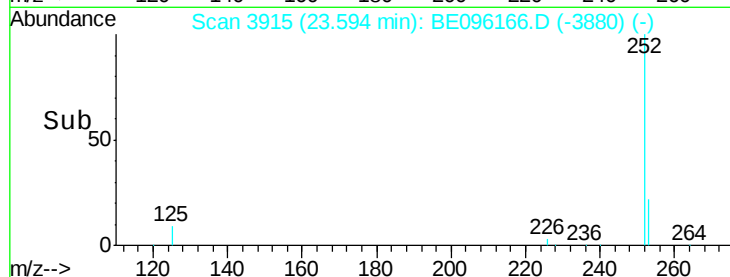
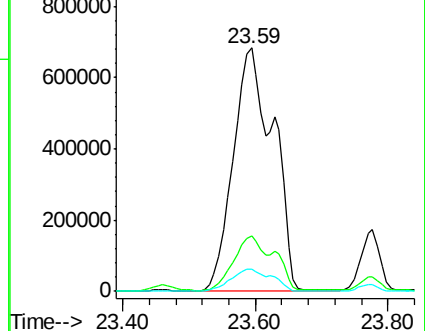
125 9.3 0.0 35.0



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: 126.381 ng/ul

RT: 23.59 min Scan# 3915

Delta R.T. -0.00 min

Lab File: BE096166.D

Acq: 26 Apr 2018 2:05

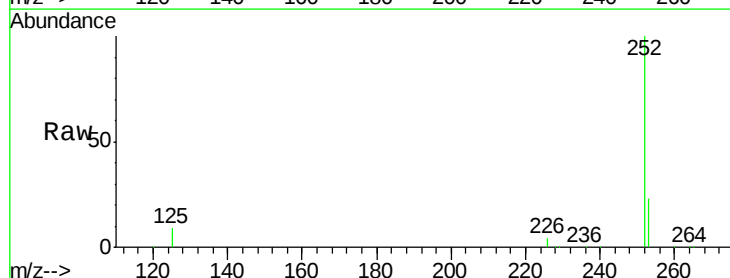
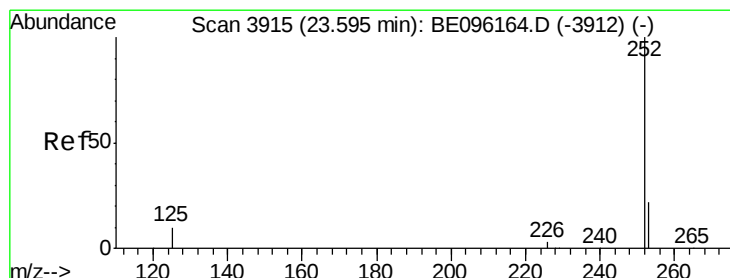
Tgt Ion:252 Resp: 2864705

Ion Ratio Lower Upper

252 100

253 22.7 24.5 36.7#

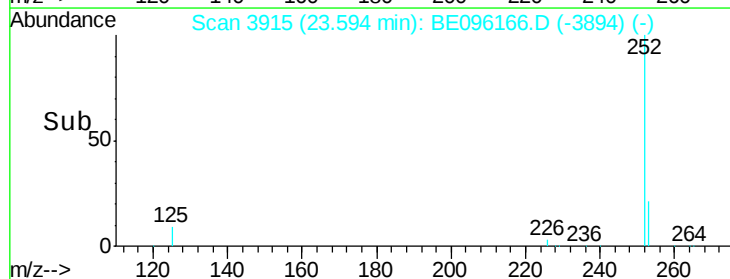
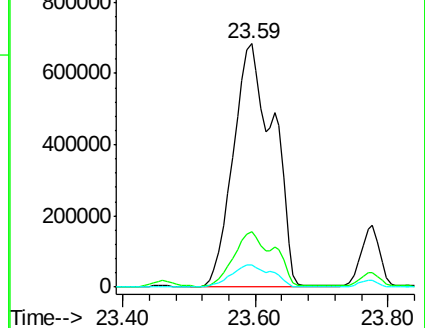
125 9.3 13.7 20.5#

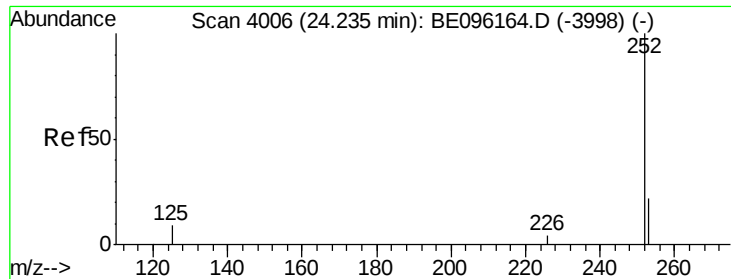


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 65.283 ng/ul

RT: 24.28 min Scan# 4013

Delta R.T. 0.05 min

Lab File: BE096166.D

Acq: 26 Apr 2018 2:05

Instrument :

BNA_E

ClientSampleId :

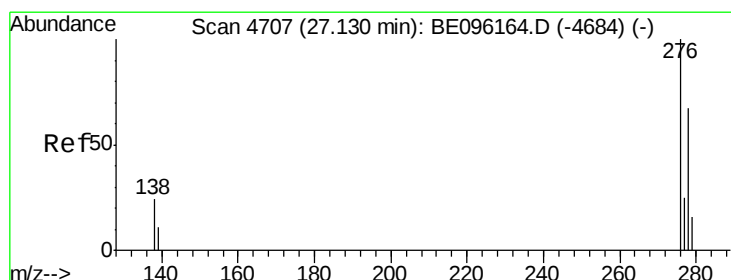
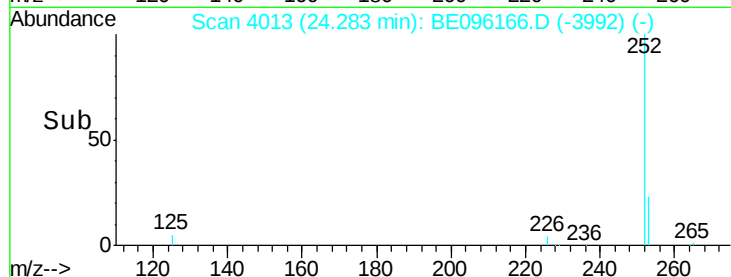
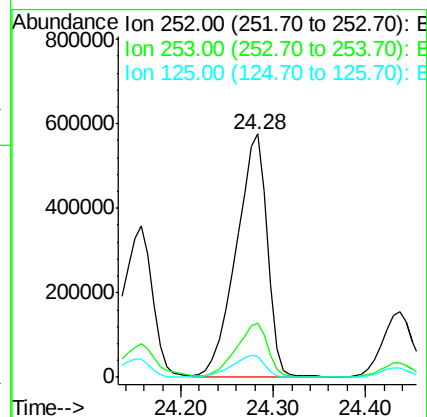
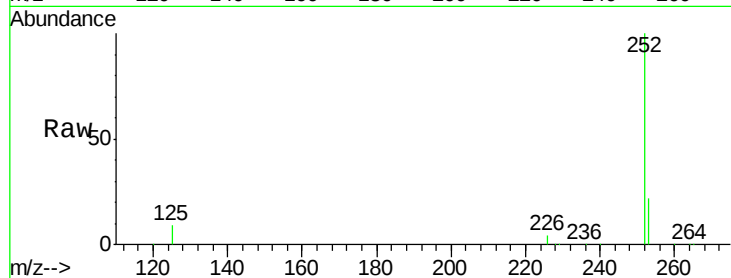
Tot Ion:252 Resp: 1344783

Ion Ratio Lower Upper

252 100

253 22.5 28.5 42.7#

125 8.5 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 18.429 ng/ul

RT: 27.17 min Scan# 4719

Delta R.T. 0.04 min

Lab File: BE096166.D

Acq: 26 Apr 2018 2:05

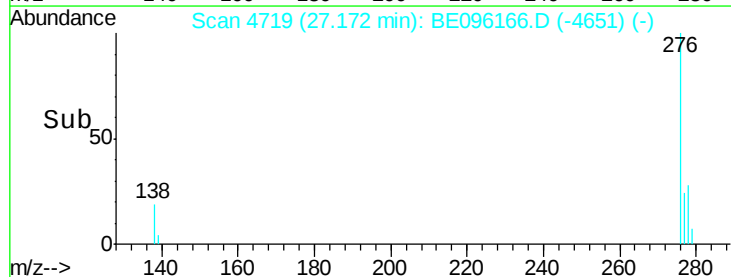
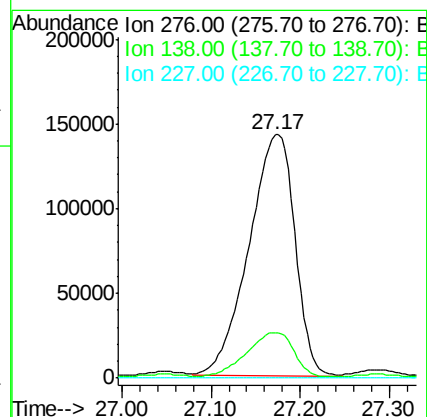
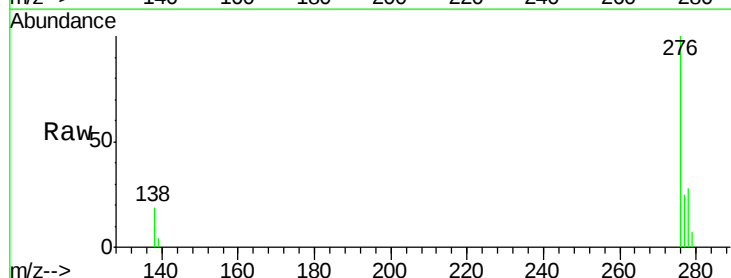
Tgt Ion:276 Resp: 511508

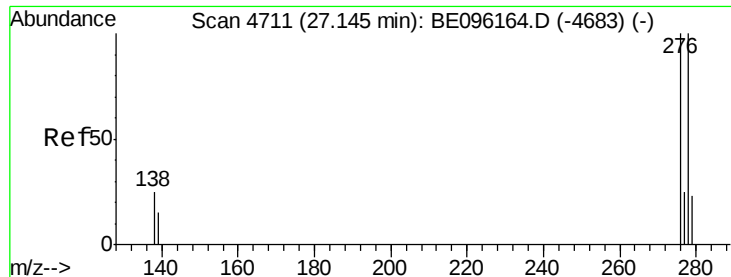
Ion Ratio Lower Upper

276 100

138 19.0 28.0 42.0#

227 0.0 8.0 12.0#

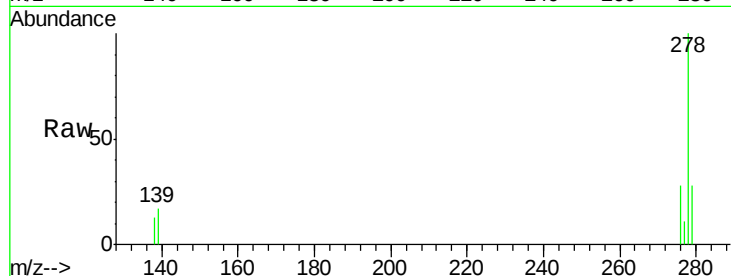




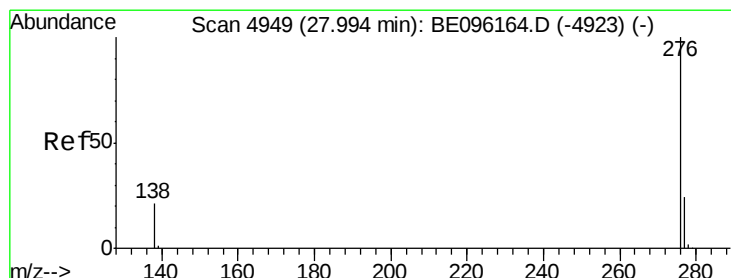
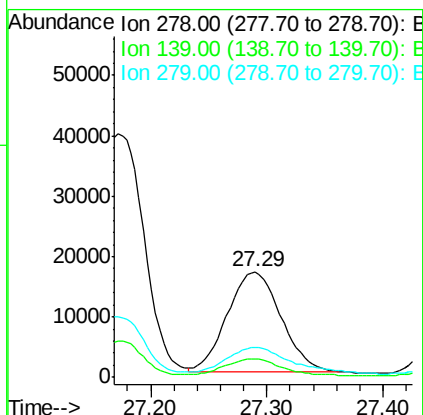
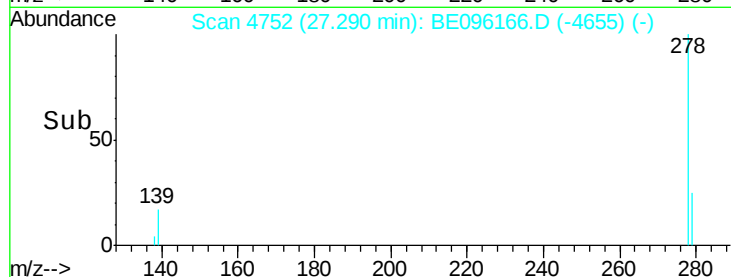
#25
Dibenzo(a,h)anthracene
Concen: 2.265 ng/ul
RT: 27.29 min Scan# 4752
Delta R.T. 0.15 min
Lab File: BE096166.D
Acq: 26 Apr 2018 2:05

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 52635
Ion Ratio Lower Upper
278 100
139 17.4 17.4 26.0
279 28.4 25.9 38.9

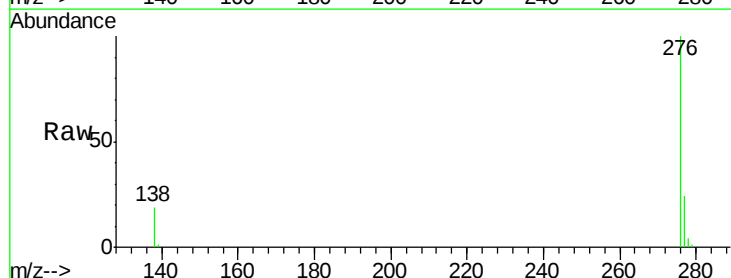


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 16.980 ng/ul
RT: 28.04 min Scan# 4963
Delta R.T. 0.05 min
Lab File: BE096166.D
Acq: 26 Apr 2018 2:05

Tgt Ion:276 Resp: 410231
Ion Ratio Lower Upper
276 100
138 19.4 21.8 32.8#
277 24.3 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

