

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042718\
 Data File : BE096205.D
 Acq On : 27 Apr 2018 13:22
 Operator : SJ/JU
 Sample : J2431-14DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 27 23:58:46 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 23:57:47 2018
 Response via : Initial Calibration

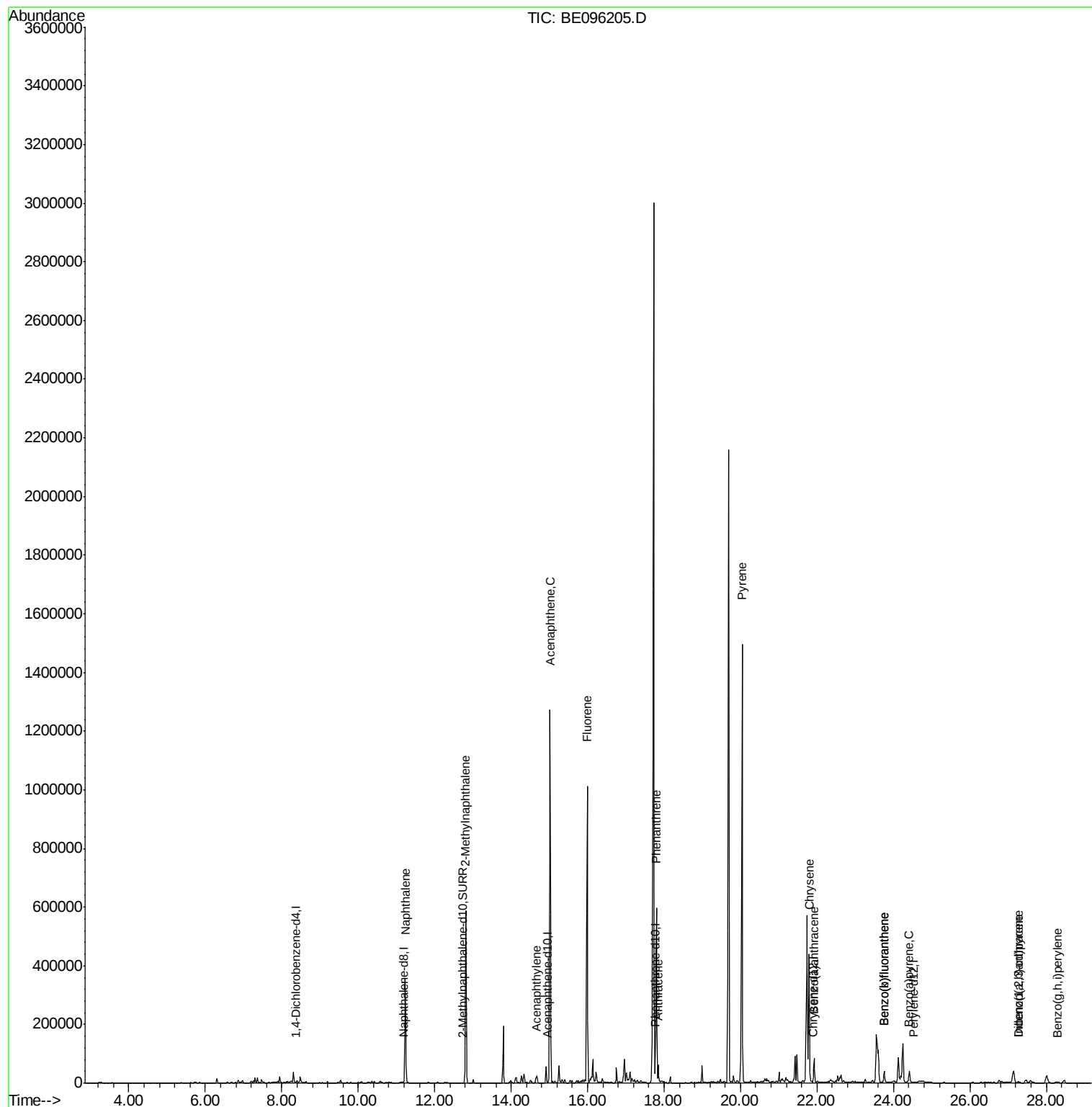
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	792	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	3138	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	1602	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.76	188	29535	0.40	ng/ul	0.11
16) Chrysene-d12	21.89	240	263	0.40	ng/ul	0.15
20) Perylene-d12	24.53	264	494	0.40	ng/ul	0.18
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	241	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.80	212	184	0.00	ng/ul	0.16
Target Compounds				Ovalue		
3) Naphthalene	11.23	128	491578	56.260	ng/ul#	88
5) 2-Methylnaphthalene	12.81	142	490356	83.763	ng/ul	100
7) Acenaphthylene	14.67	152	25608	3.101	ng/ul#	93
8) Acenaphthene	15.02	153	778040	130.666	ng/ul	94
9) Fluorene	15.99	166	740114	93.940	ng/ul#	90
12) Phenanthrene	17.80	178	622037	7.153	ng/ul#	88
13) Anthracene	17.85	178	17016	0.195	ng/ul#	1
17) Pyrene	20.04	202	1733655	3285.807	ng/ul#	76
18) Benzo(a)anthracene	21.92	228	63880	80.228	ng/ul#	47
19) Chrysene	21.79	228	413635	565.336	ng/ul	97
21) Benzo(b)fluoranthene	23.75	252	56002	29.939	ng/ul	89
22) Benzo(k)fluoranthene	23.75	252	56002	31.318	ng/ul#	91
23) Benzo(a)pyrene	24.42	252	57871	35.612	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	27.27	276	2237	1.022	ng/ul#	80
25) Dibenzo(a,h)anthracene	27.28	278	8184	4.464	ng/ul	98
26) Benzo(a,h,i)perylene	28.28	276	2580	1.354	ng/ul#	50

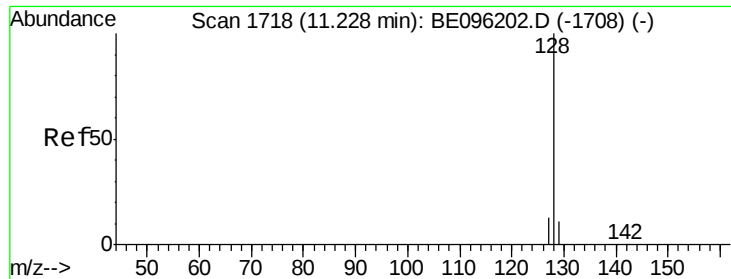
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 56.260 ng/ul

RT: 11.23 min Scan# 1719

Delta R.T. 0.01 min

Lab File: BE096205.D

Acq: 27 Apr 2018 13:22

Instrument :

BNA_E

ClientSampleId :

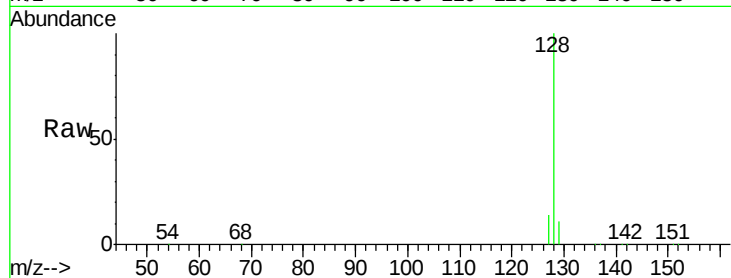
Tot Ion:128 Resp: 491578

Ion Ratio Lower Upper

128 100

129 11.2 11.3 16.9#

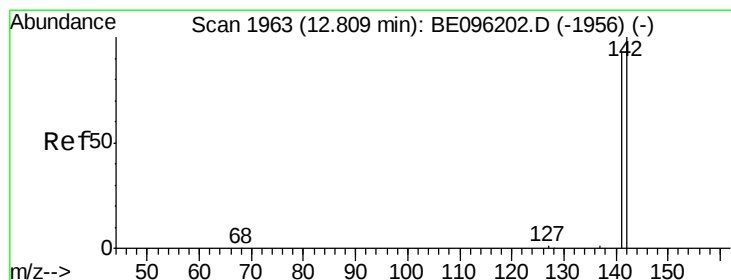
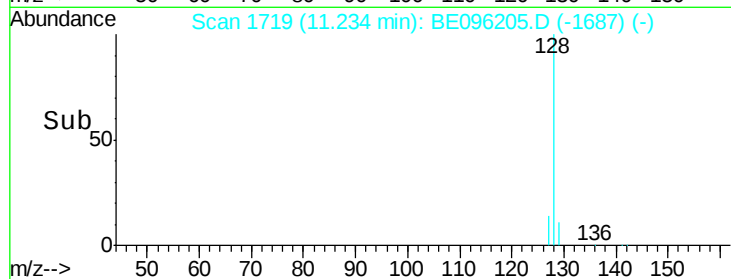
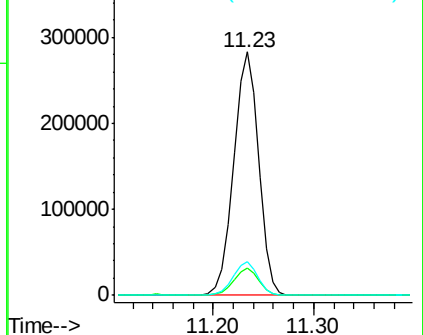
127 13.7 4.0 6.0#



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: 83.763 ng/ul

RT: 12.81 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BE096205.D

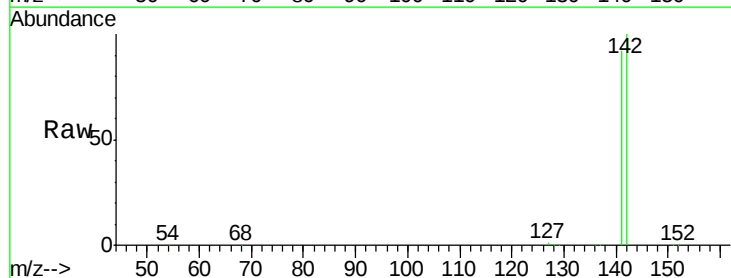
Acq: 27 Apr 2018 13:22

Tgt Ion:142 Resp: 490356

Ion Ratio Lower Upper

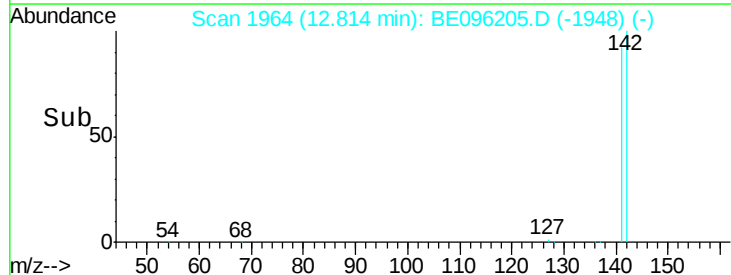
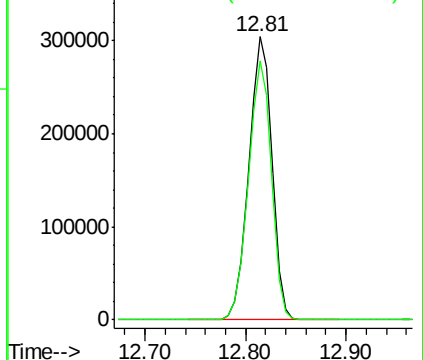
142 100

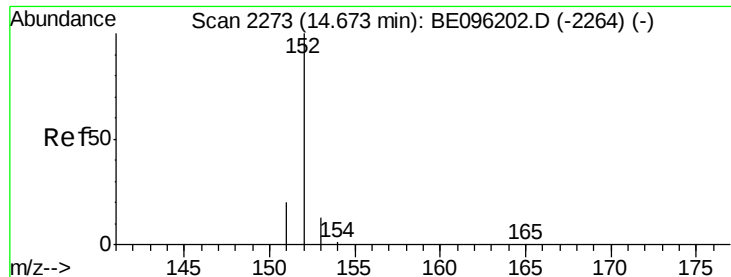
141 91.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.101 ng/ul

RT: 14.67 min Scan# 2274

Delta R.T. -0.00 min

Lab File: BE096205.D

Acq: 27 Apr 2018 13:22

Instrument :

BNA_E

ClientSampleId :

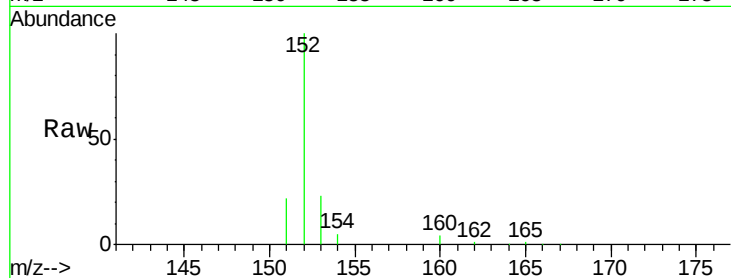
Tot Ion:152 Resp: 25608

Ion Ratio Lower Upper

152 100

151 21.8 17.1 25.7

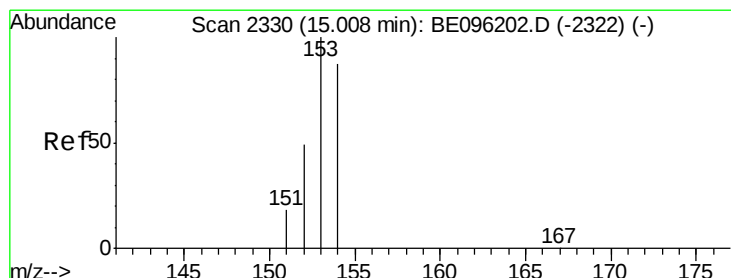
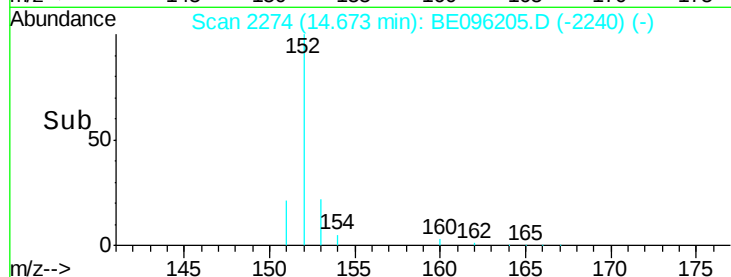
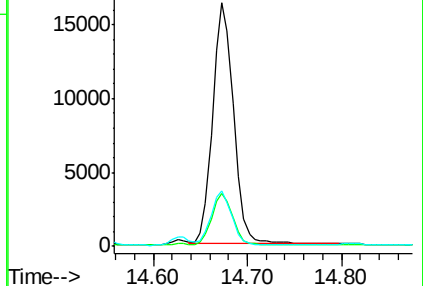
153 22.7 12.8 19.2#



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: 130.666 ng/ul

RT: 15.02 min Scan# 2333

Delta R.T. 0.01 min

Lab File: BE096205.D

Acq: 27 Apr 2018 13:22

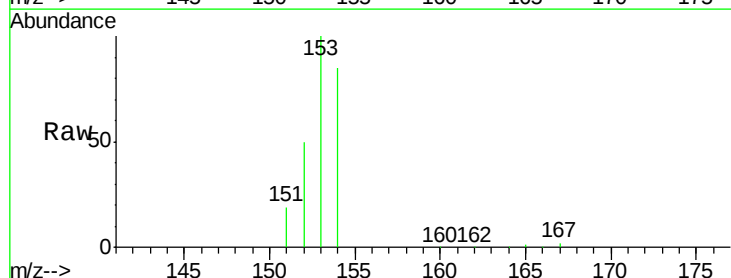
Tgt Ion:153 Resp: 778040

Ion Ratio Lower Upper

153 100

152 49.5 36.0 54.0

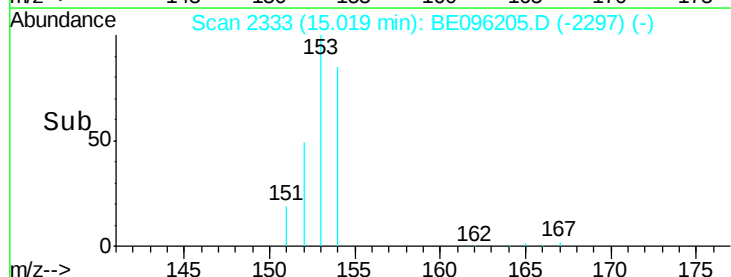
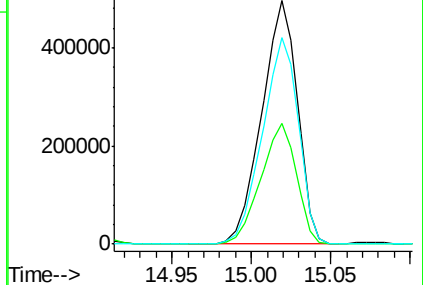
154 85.0 72.0 108.0

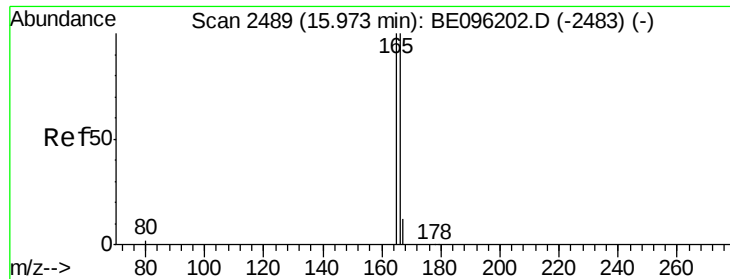


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 93.940 ng/ul

RT: 15.99 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BE096205.D

Acq: 27 Apr 2018 13:22

Instrument :

BNA_E

ClientSampleId :

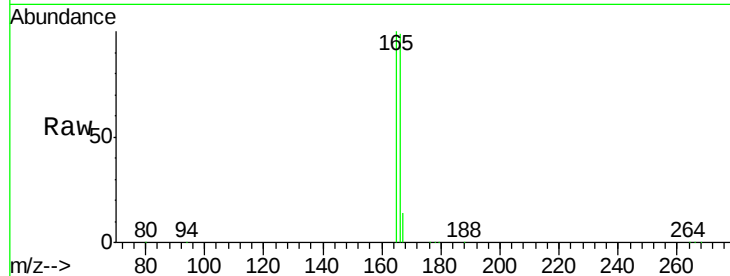
Tot Ion:166 Resp: 740114

Ion Ratio Lower Upper

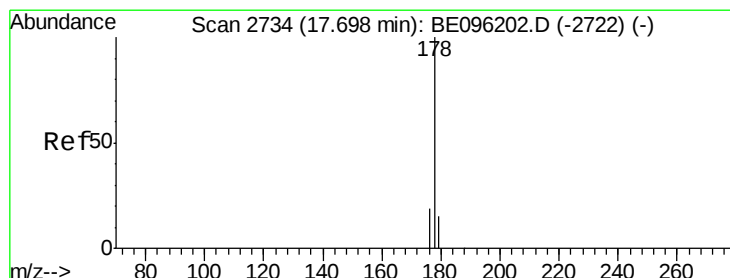
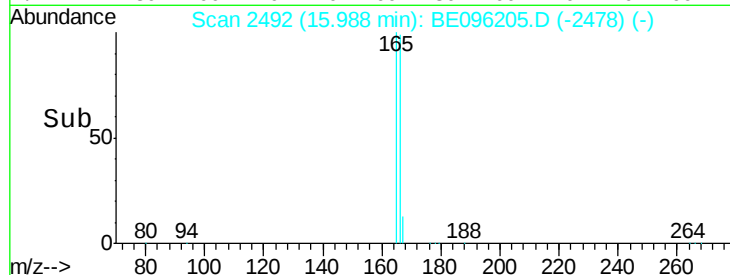
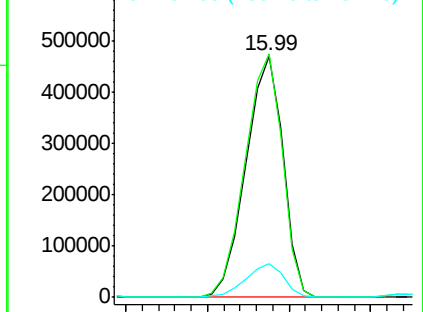
166 100

165 100.8 73.4 110.2

167 13.7 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: 7.153 ng/ul

RT: 17.80 min Scan# 2749

Delta R.T. 0.10 min

Lab File: BE096205.D

Acq: 27 Apr 2018 13:22

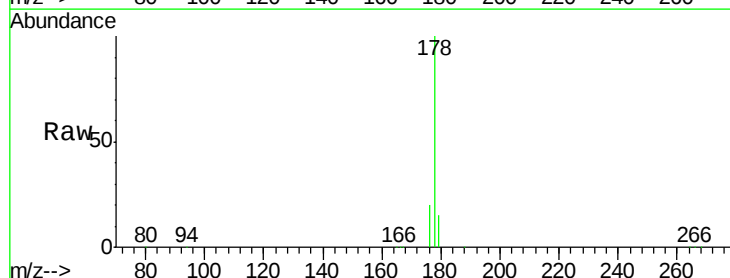
Tgt Ion:178 Resp: 622037

Ion Ratio Lower Upper

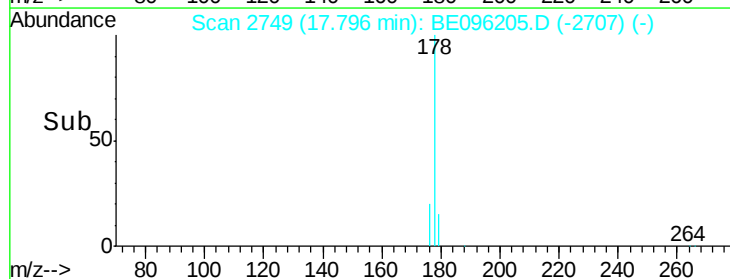
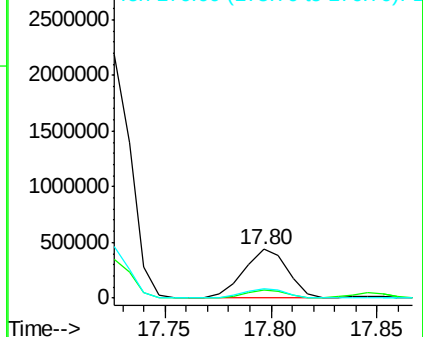
178 100

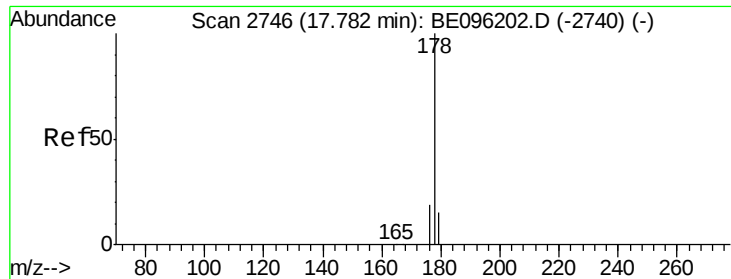
179 15.4 18.4 27.6#

176 20.1 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: 0.195 ng/ul

RT: 17.85 min Scan# 2756

Delta R.T. 0.06 min

Lab File: BE096205.D

Acq: 27 Apr 2018 13:22

Instrument :

BNA_E

ClientSampleId :

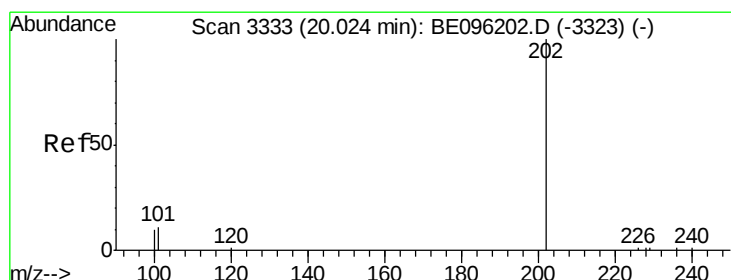
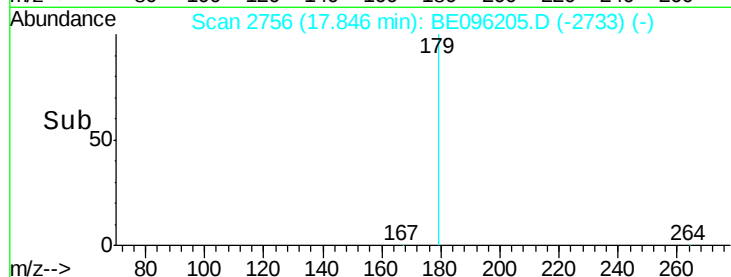
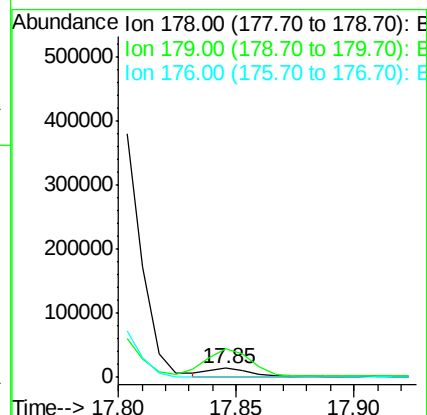
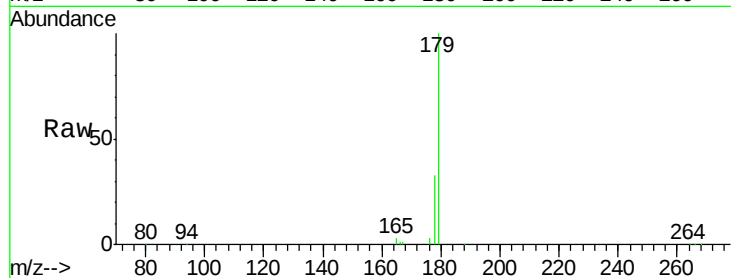
Tot Ion:178 Resp: 17016

Ion Ratio Lower Upper

178 100

179 307.6 18.1 27.1#

176 9.2 14.7 22.1#



#17

Pyrene

Concen: 3285.807 ng/ul

RT: 20.04 min Scan# 3337

Delta R.T. 0.02 min

Lab File: BE096205.D

Acq: 27 Apr 2018 13:22

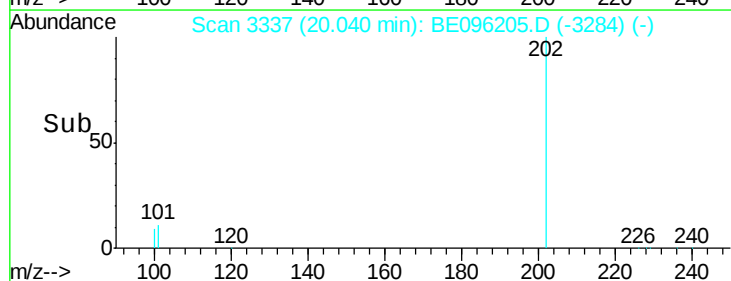
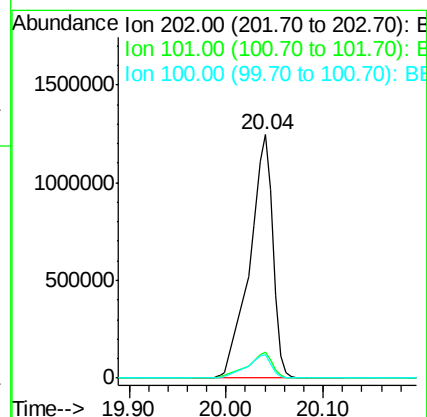
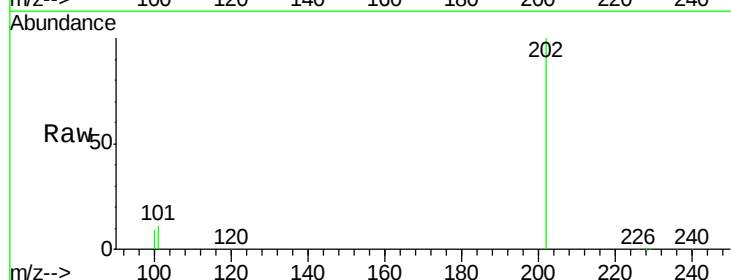
Tgt Ion:202 Resp: 1733655

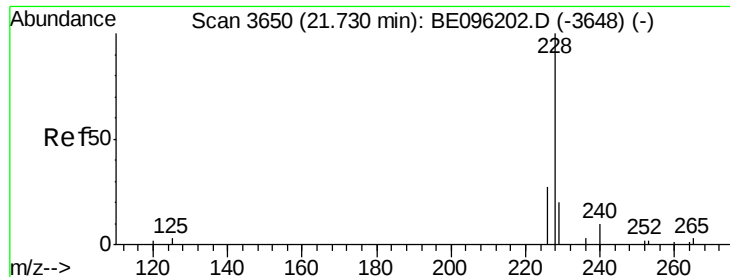
Ion Ratio Lower Upper

202 100

101 10.5 18.2 27.4#

100 9.4 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 80.228 ng/ul

RT: 21.92 min Scan# 3678

Delta R.T. 0.19 min

Lab File: BE096205.D

Acq: 27 Apr 2018 13:22

Instrument :

BNA_E

ClientSampleId :

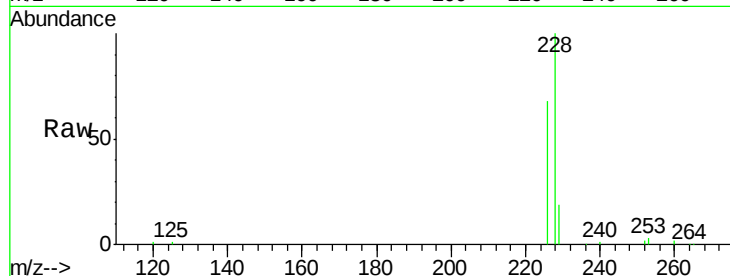
Tot Ion:228 Resp: 63880

Ion Ratio Lower Upper

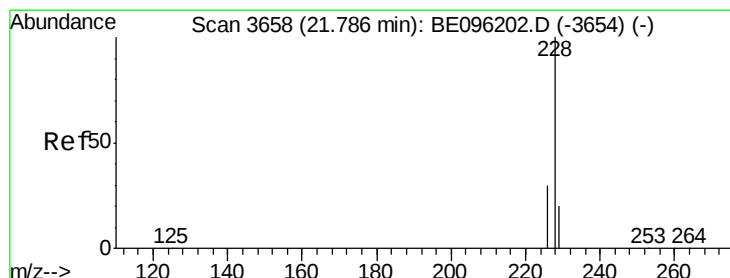
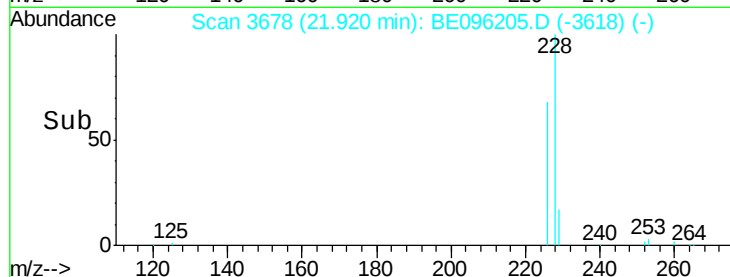
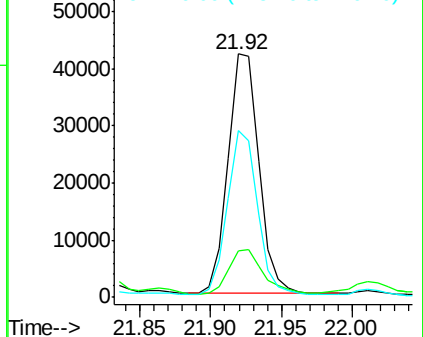
228 100

229 18.9 22.8 34.2#

226 68.4 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: 565.336 ng/ul

RT: 21.79 min Scan# 3660

Delta R.T. 0.01 min

Lab File: BE096205.D

Acq: 27 Apr 2018 13:22

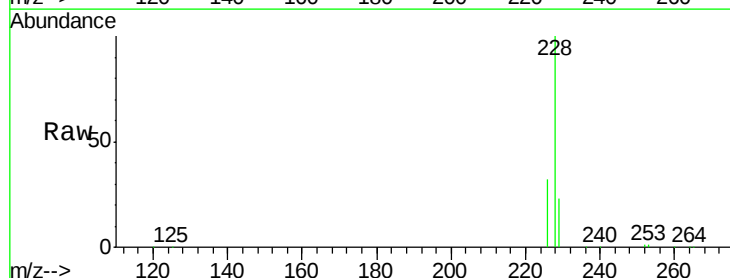
Tgt Ion:228 Resp: 413635

Ion Ratio Lower Upper

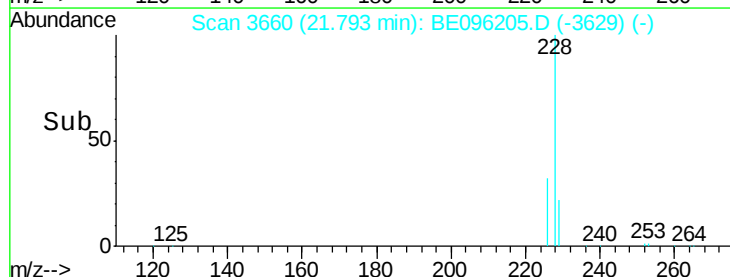
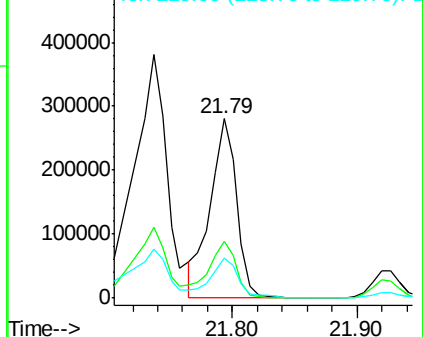
228 100

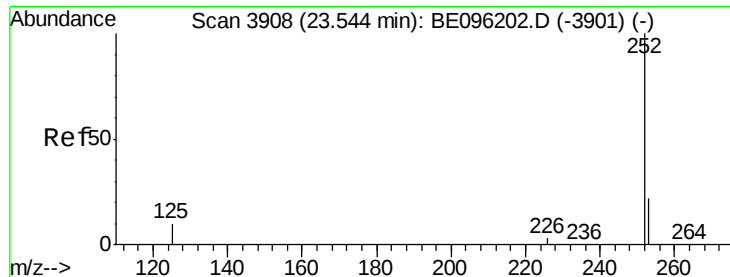
226 31.8 23.4 35.0

229 22.6 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: 29.939 ng/ul

RT: 23.75 min Scan# 3939

Delta R.T. 0.21 min

Lab File: BE096205.D

Acq: 27 Apr 2018 13:22

Instrument :

BNA_E

ClientSampleId :

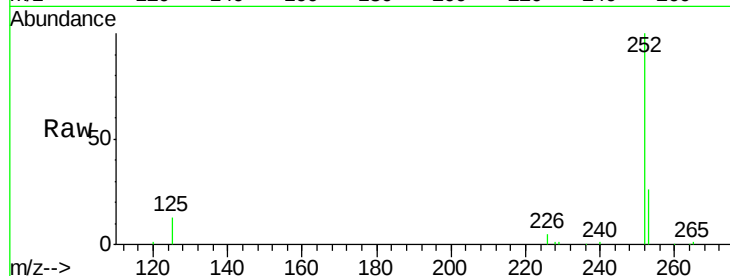
Tot Ion:252 Resp: 56002

Ion Ratio Lower Upper

252 100

253 25.9 0.0 64.2

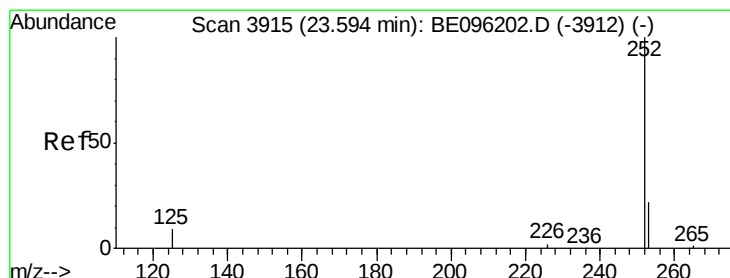
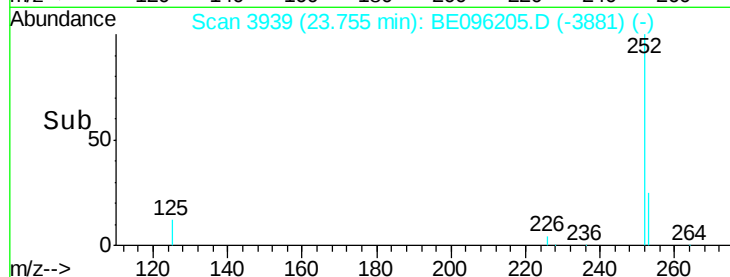
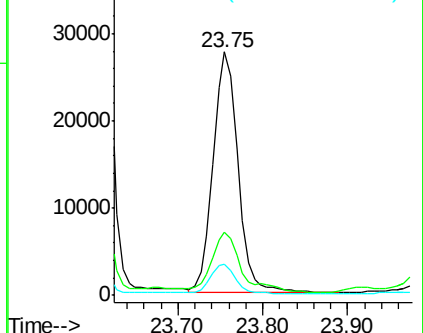
125 12.9 0.0 35.0



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: 31.318 ng/ul

RT: 23.75 min Scan# 3939

Delta R.T. 0.16 min

Lab File: BE096205.D

Acq: 27 Apr 2018 13:22

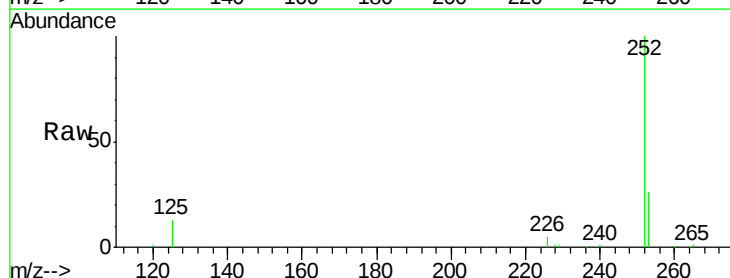
Tgt Ion:252 Resp: 56002

Ion Ratio Lower Upper

252 100

253 25.9 24.5 36.7

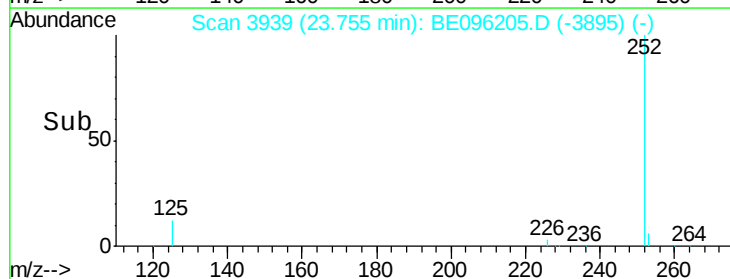
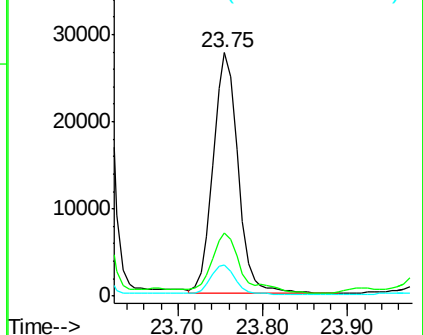
125 12.9 13.7 20.5#

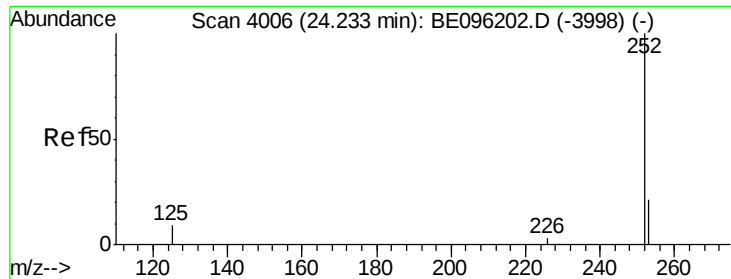


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 35.612 ng/ul

RT: 24.42 min Scan# 4033

Delta R.T. 0.18 min

Lab File: BE096205.D

Acq: 27 Apr 2018 13:22

Instrument :

BNA_E

ClientSampleId :

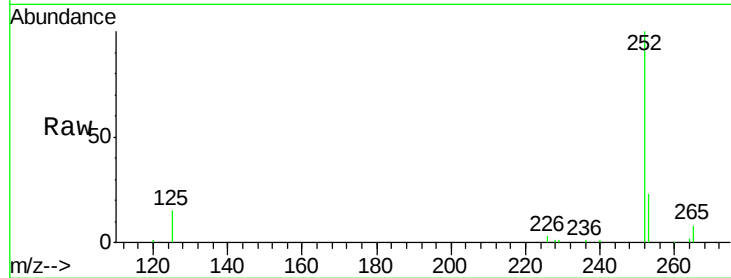
Tot Ion:252 Resp: 57871

Ion Ratio Lower Upper

252 100

253 23.1 28.5 42.7#

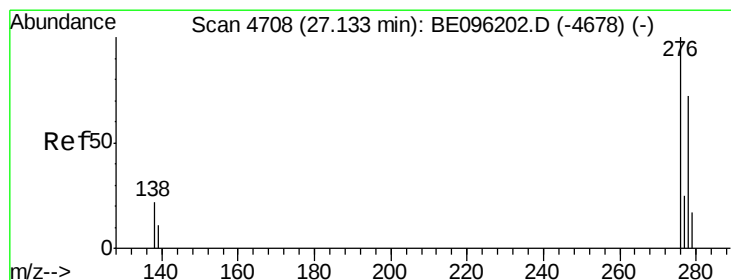
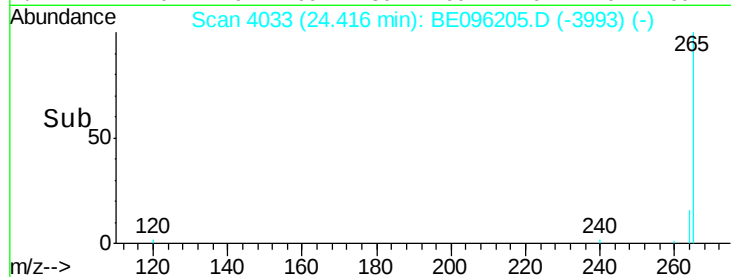
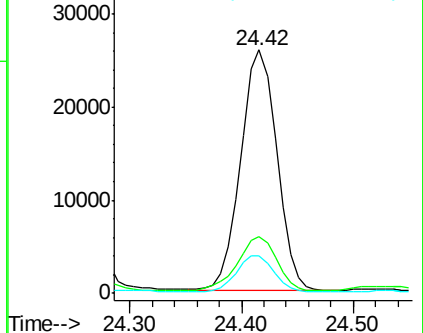
125 15.3 18.1 27.1#



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: 1.022 ng/ul

RT: 27.27 min Scan# 4747

Delta R.T. 0.14 min

Lab File: BE096205.D

Acq: 27 Apr 2018 13:22

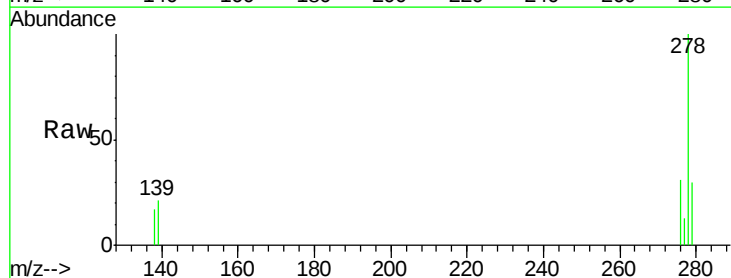
Tgt Ion:276 Resp: 2237

Ion Ratio Lower Upper

276 100

138 45.6 28.0 42.0#

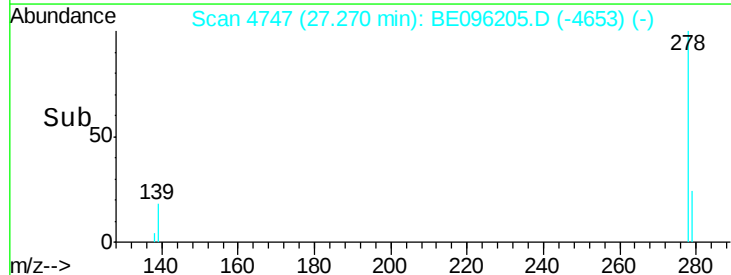
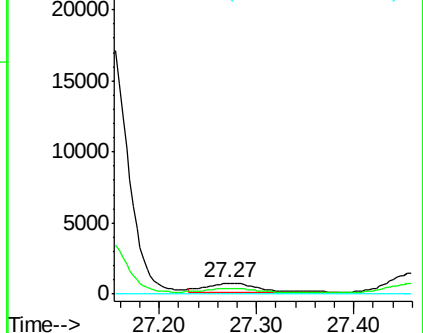
227 0.0 8.0 12.0#

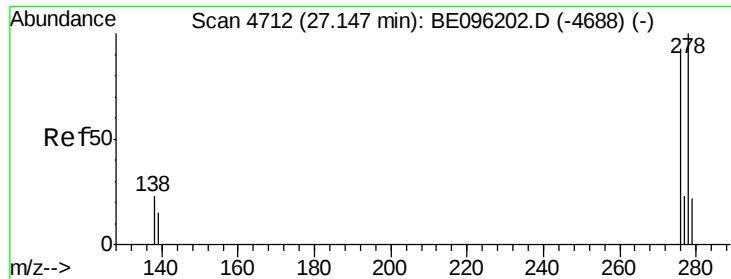


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



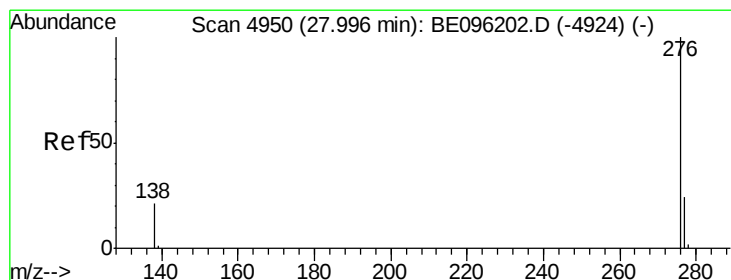
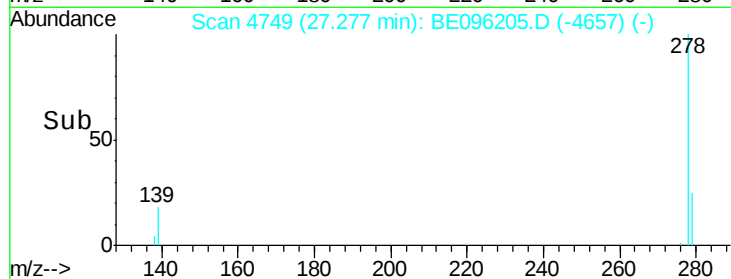
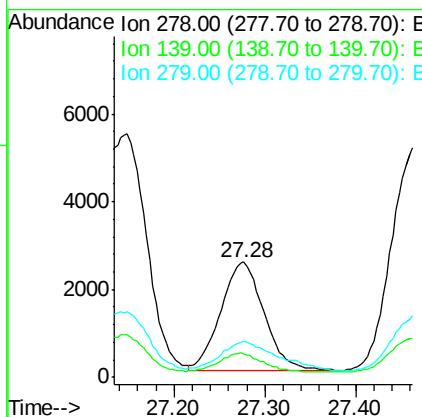
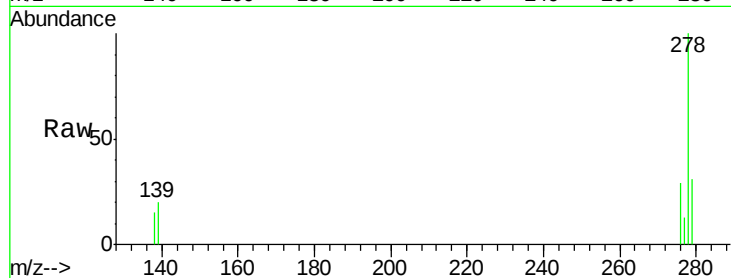


#25
Dibenzo(a,h)anthracene
Concen: 4.464 ng/ul
RT: 27.28 min Scan# 4749
Delta R.T. 0.13 min
Lab File: BE096205.D
Acq: 27 Apr 2018 13:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 8184

Ion	Ratio	Lower	Upper
278	100		
139	20.4	17.4	26.0
279	31.2	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 1.354 ng/ul
RT: 28.28 min Scan# 5031
Delta R.T. 0.29 min
Lab File: BE096205.D
Acq: 27 Apr 2018 13:22

Tgt Ion:276 Resp: 2580

Ion	Ratio	Lower	Upper
276	100		
138	42.2	21.8	32.8#
277	62.6	20.5	30.7#

