

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
 Data File : BE096185.D
 Acq On : 26 Apr 2018 18:44
 Operator : SJ/JU
 Sample : J2431-14RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 27 04:59:59 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 04:45:57 2018
 Response via : Initial Calibration

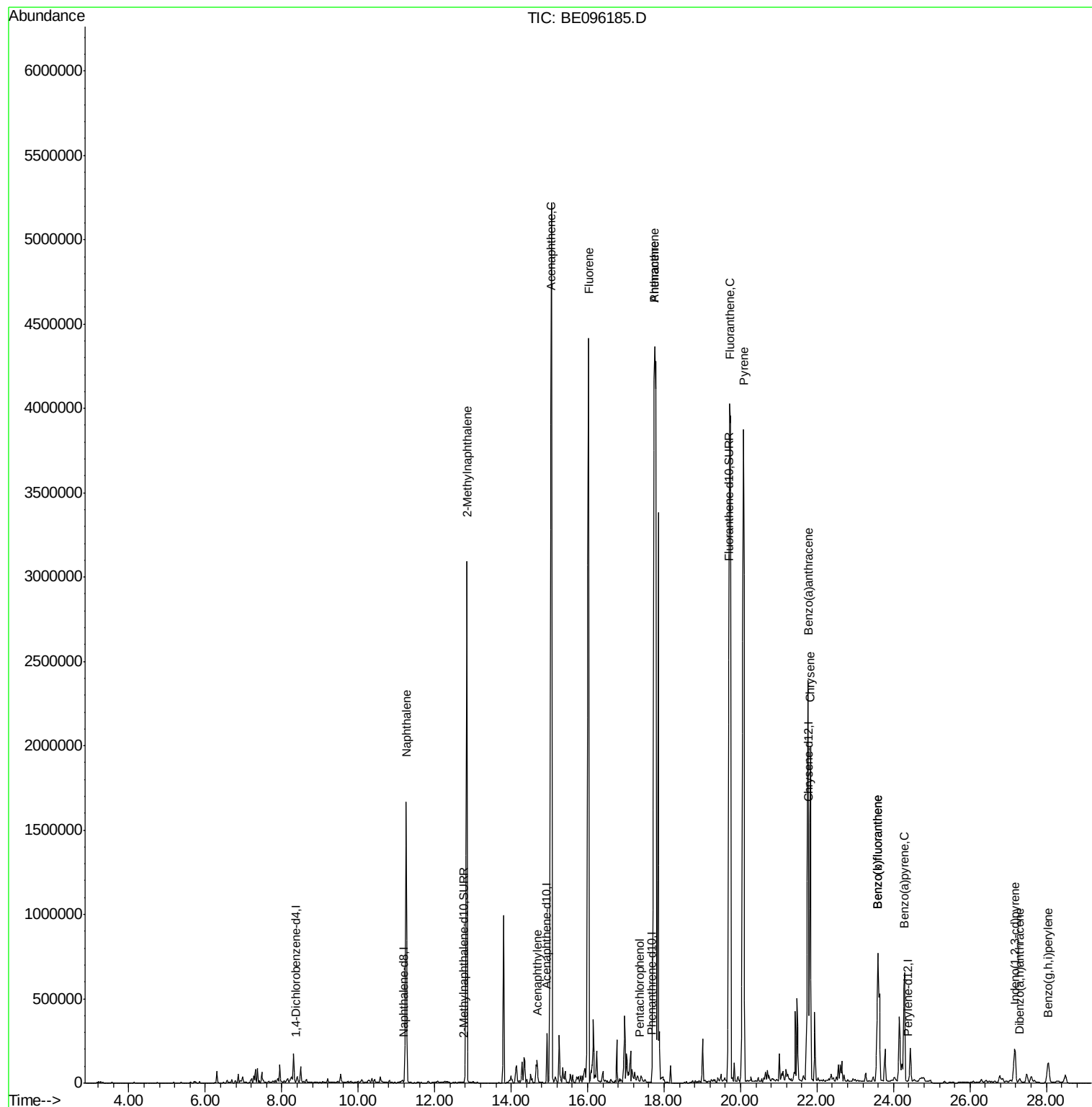
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	1033	0.40	ng/ul	0.00
2) Naphthalene-d8	11.19	136	3850	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	11680	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.67	188	4639	0.40	ng/ul	0.01
16) Chrysene-d12	21.78	240	4348	0.40	ng/ul	0.04
20) Perylene-d12	24.38	264	5283	0.40	ng/ul	0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	1309	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	1705	0.08	ng/ul	0.05
Target Compounds				Ovalue		
3) Naphthalene	11.25	128	2565011	239.272	ng/ul#	87
5) 2-Methylnaphthalene	12.84	142	2964507	412.746	ng/ul	99
7) Acenaphthylene	14.68	152	145530	2.417	ng/ul#	93
8) Acenaphthene	15.05	153	4835892	111.392	ng/ul	96
9) Fluorene	16.02	166	4500106	78.342	ng/ul#	90
11) Pentachlorophenol	17.36	266	845	0.757	ng/ul	89
12) Phenanthrene	17.75	178	14435003	1056.874	ng/ul#	88
13) Anthracene	17.75	178	13180356	961.880	ng/ul#	90
15) Fluoranthene	19.72	202	12037483	576.589	ng/ul	84
17) Pyrene	20.08	202	10587400	1213.766	ng/ul#	79
18) Benzo(a)anthracene	21.77	228	3955838	300.514	ng/ul#	84
19) Chrysene	21.82	228	2207089	182.463	ng/ul	93
21) Benzo(b)fluoranthene	23.59	252	2319526	115.952	ng/ul	83
22) Benzo(k)fluoranthene	23.59	252	2319526	121.292	ng/ul#	84
23) Benzo(a)pyrene	24.28	252	1136870	65.417	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	27.18	276	412194	17.603	ng/ul#	72
25) Dibenzo(a,h)anthracene	27.30	278	40180	2.049	ng/ul	94
26) Benzo(g,h,i)perylene	28.05	276	335001	16.435	ng/ul#	90

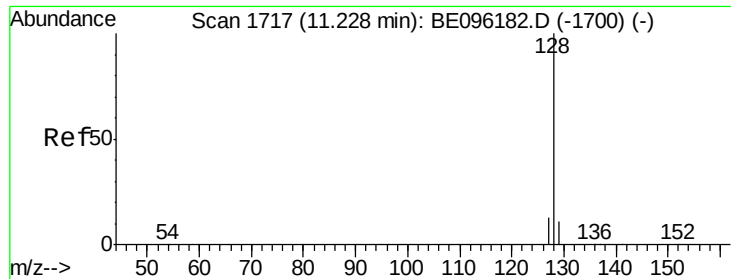
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 239.272 ng/ul

RT: 11.25 min Scan# 1722

Delta R.T. 0.03 min

Lab File: BE096185.D

Acq: 26 Apr 2018 18:44

Instrument :

BNA_E

ClientSampleId :

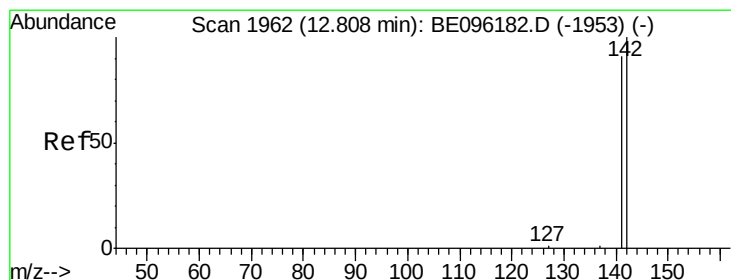
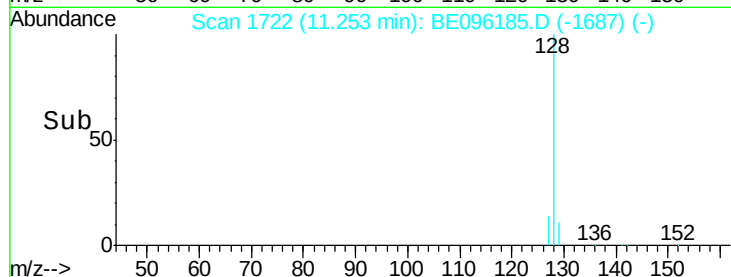
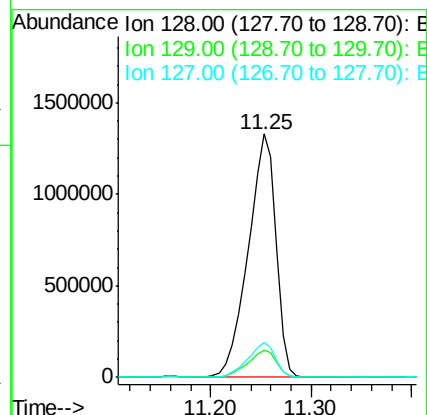
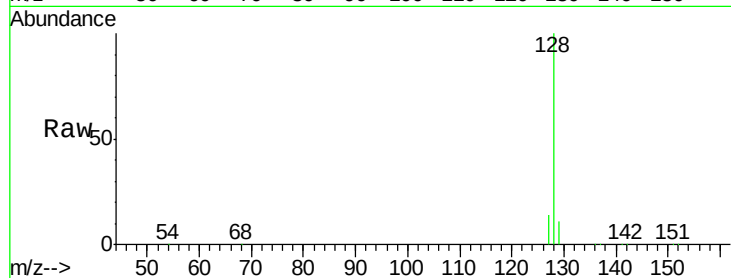
Tot Ion:128 Resp: 2565011

Ion Ratio Lower Upper

128 100

129 11.2 11.3 16.9#

127 14.2 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 412.746 ng/ul

RT: 12.84 min Scan# 1968

Delta R.T. 0.03 min

Lab File: BE096185.D

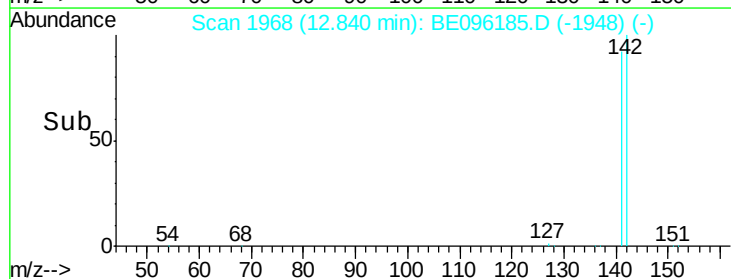
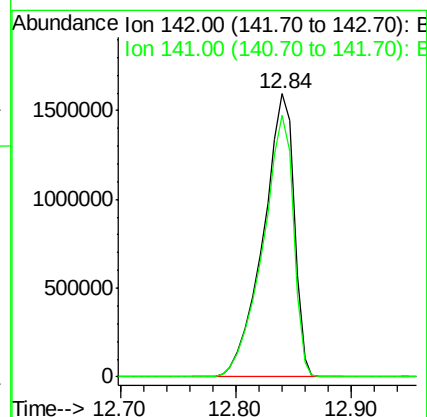
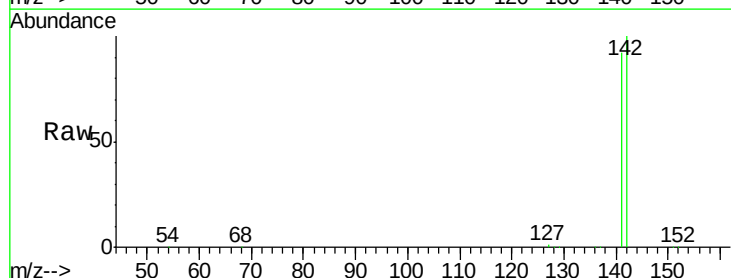
Acq: 26 Apr 2018 18:44

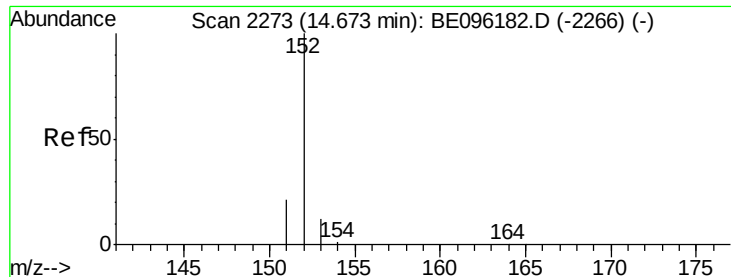
Tgt Ion:142 Resp: 2964507

Ion Ratio Lower Upper

142 100

141 91.5 72.6 108.8





#7

Acenaphthylene

Concen: 2.417 ng/ul

RT: 14.68 min Scan# 2275

Delta R.T. 0.01 min

Lab File: BE096185.D

Acq: 26 Apr 2018 18:44

Instrument :

BNA_E

ClientSampled :

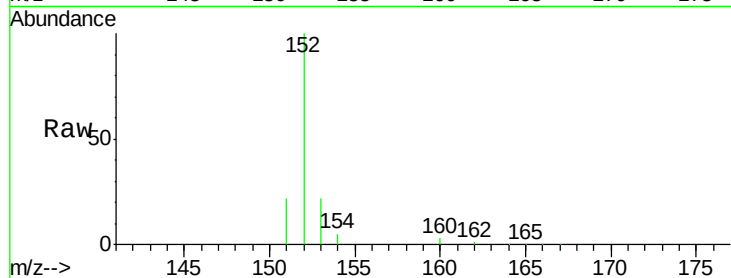
Tot Ion:152 Resp: 145530

Ion Ratio Lower Upper

152 100

151 22.2 17.1 25.7

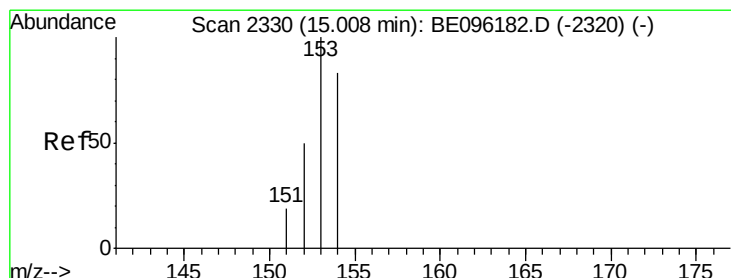
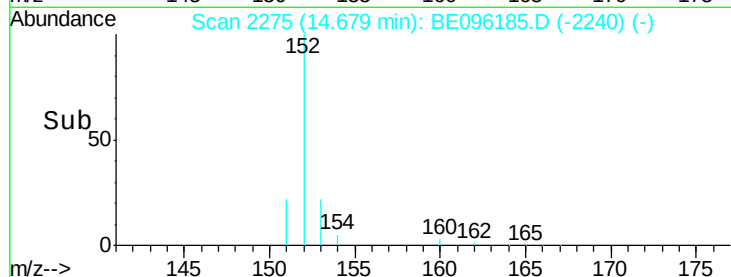
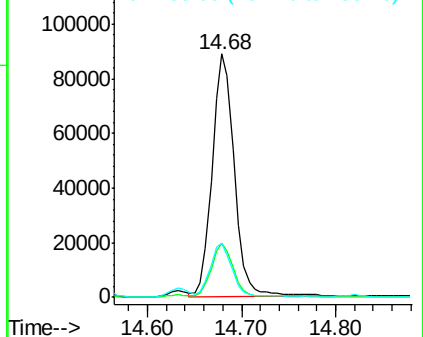
153 22.2 12.8 19.2#



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: 111.392 ng/ul

RT: 15.05 min Scan# 2339

Delta R.T. 0.05 min

Lab File: BE096185.D

Acq: 26 Apr 2018 18:44

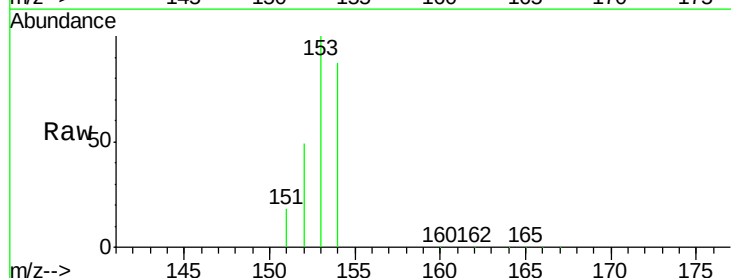
Tgt Ion:153 Resp: 4835892

Ion Ratio Lower Upper

153 100

152 48.7 36.0 54.0

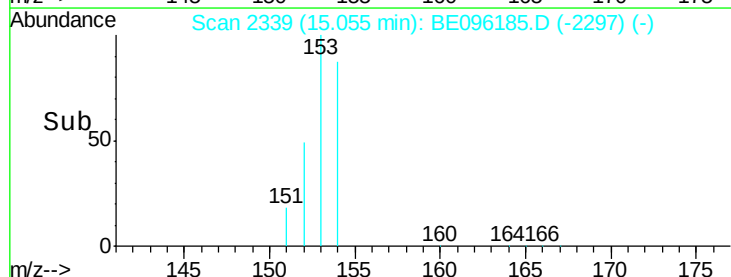
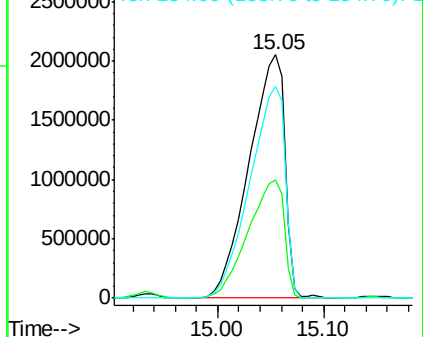
154 86.9 72.0 108.0

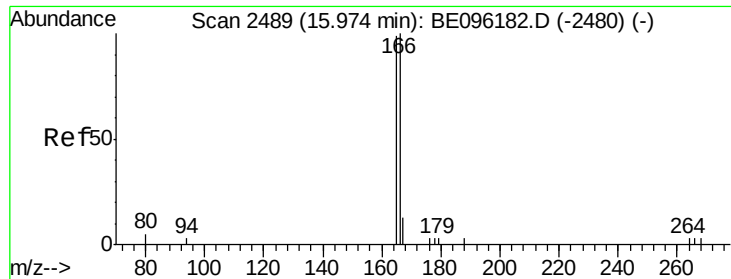


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 78.342 ng/ul

RT: 16.02 min Scan# 2497

Delta R.T. 0.05 min

Lab File: BE096185.D

Acq: 26 Apr 2018 18:44

Instrument :

BNA_E

ClientSampleId :

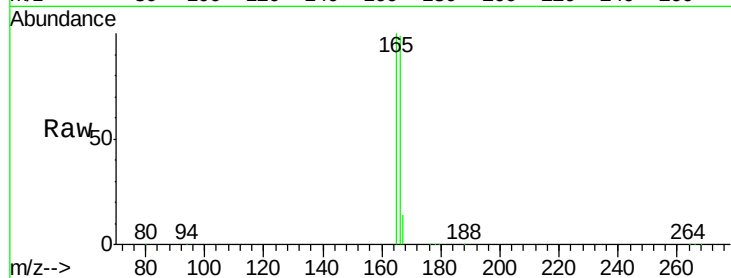
Tot Ion:166 Resp: 4500106

Ion Ratio Lower Upper

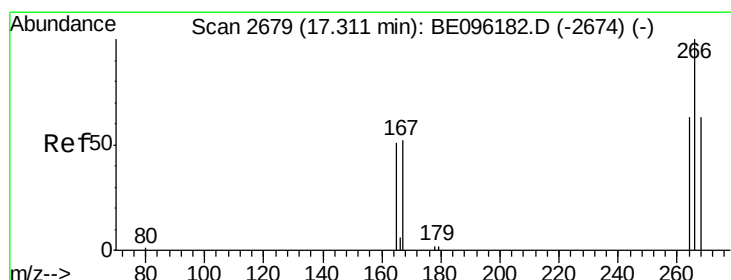
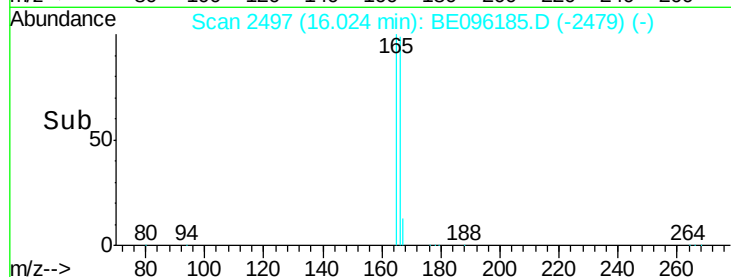
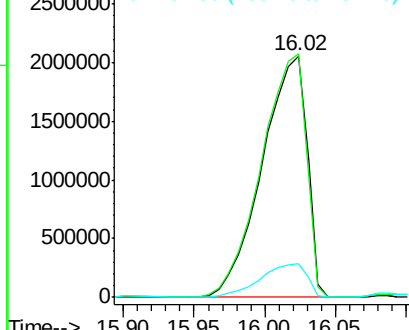
166 100

165 100.9 73.4 110.2

167 13.8 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: 0.757 ng/ul

RT: 17.36 min Scan# 2687

Delta R.T. 0.05 min

Lab File: BE096185.D

Acq: 26 Apr 2018 18:44

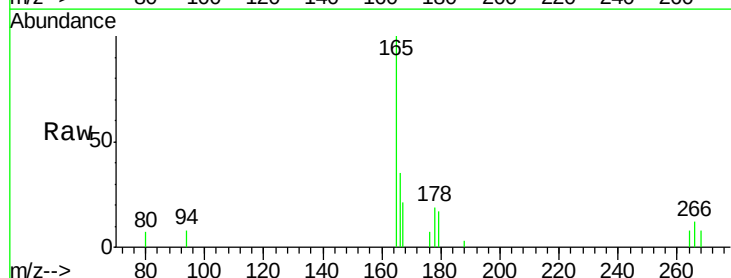
Tgt Ion:266 Resp: 845

Ion Ratio Lower Upper

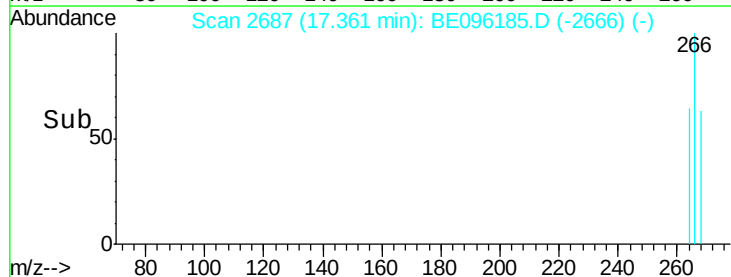
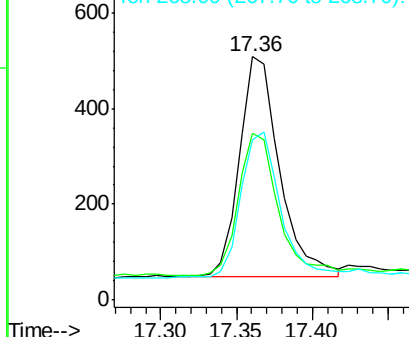
266 100

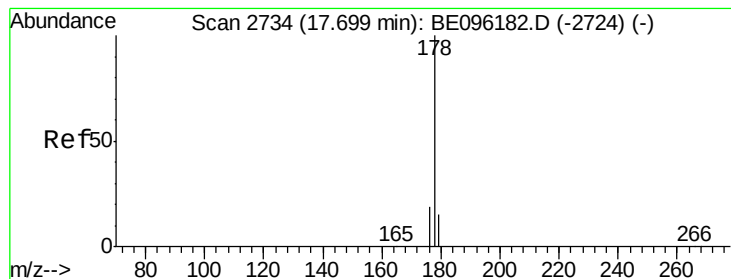
264 66.2 47.9 71.9

268 73.1 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: 1056.874 ng/ul

RT: 17.75 min Scan# 2743

Delta R.T. 0.06 min

Lab File: BE096185.D

Acq: 26 Apr 2018 18:44

Instrument :

BNA_E

ClientSampleId :

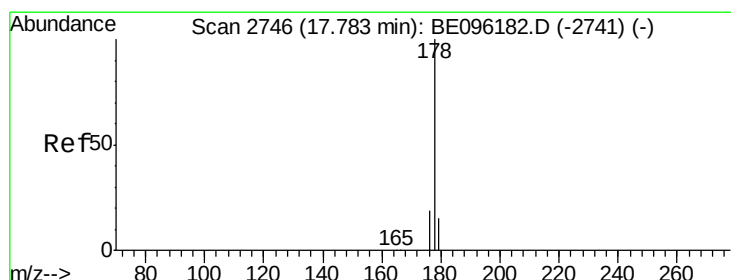
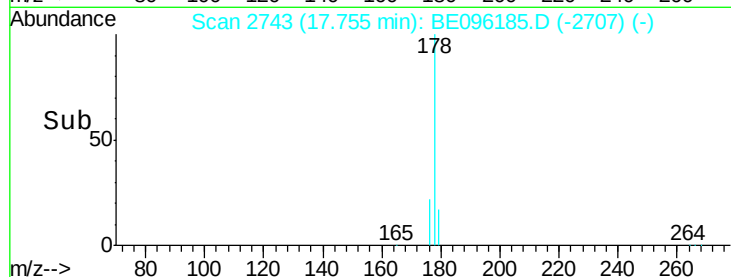
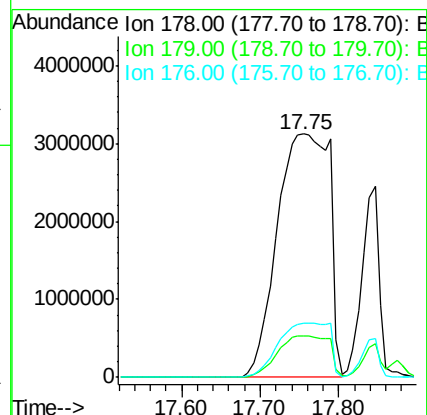
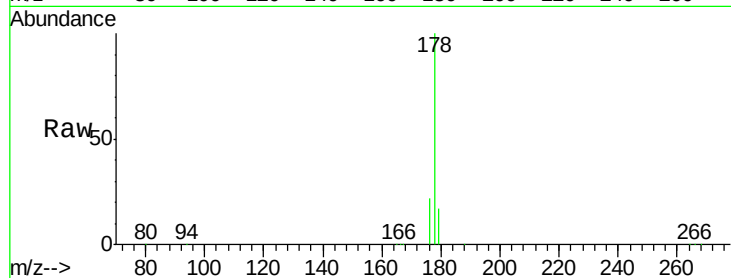
Tot Ion:178 Resp:14435003

Ion Ratio Lower Upper

178 100

179 17.0 18.4 27.6#

176 22.2 13.6 20.4#



#13

Anthracene

Concen: 961.880 ng/ul

RT: 17.75 min Scan# 2743

Delta R.T. -0.03 min

Lab File: BE096185.D

Acq: 26 Apr 2018 18:44

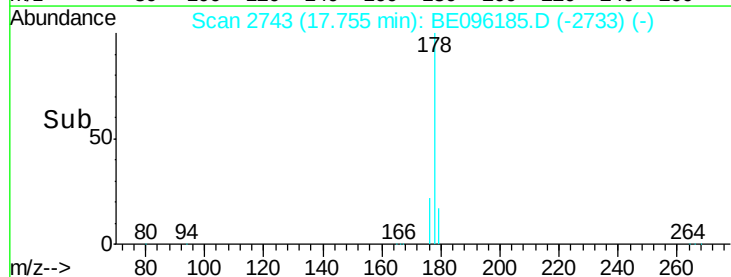
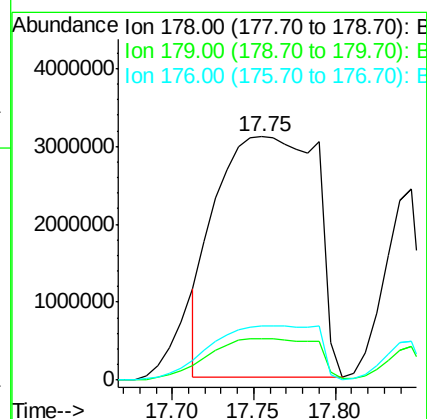
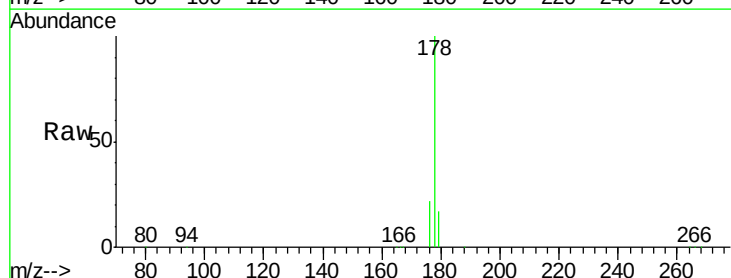
Tgt Ion:178 Resp:13180356

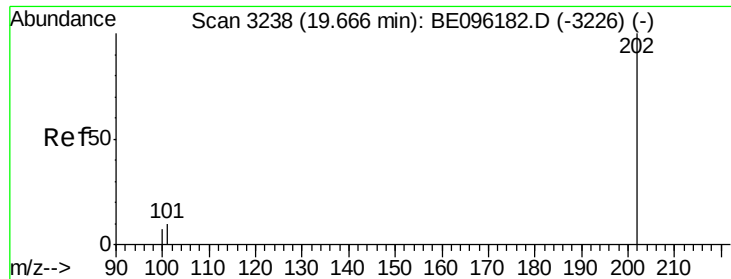
Ion Ratio Lower Upper

178 100

179 17.0 18.1 27.1#

176 22.2 14.7 22.1#





#15

Fluoranthene

Concen: 576.589 ng/ul

RT: 19.72 min Scan# 3255

Delta R.T. 0.06 min

Lab File: BE096185.D

Acq: 26 Apr 2018 18:44

Instrument :

BNA_E

ClientSampleId :

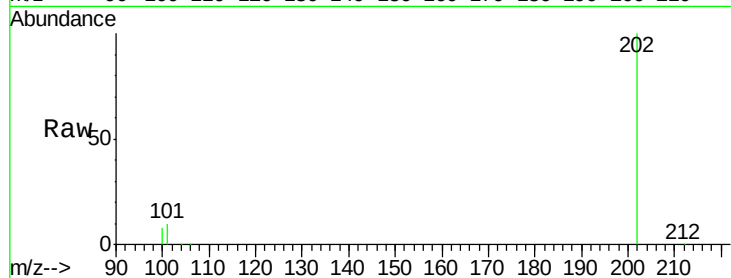
Tot Ion:202 Resp:12037483

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.3

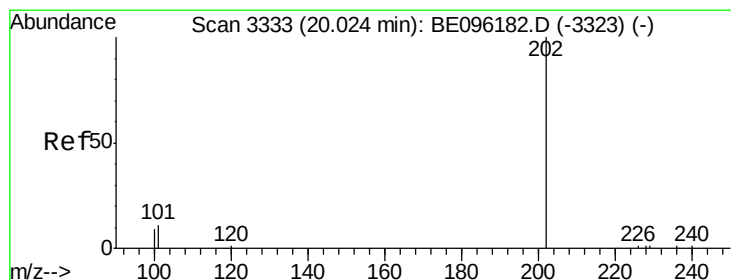
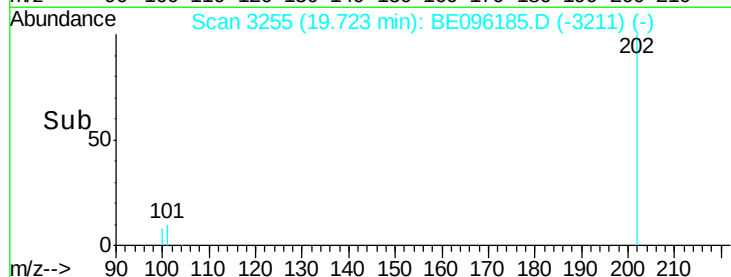
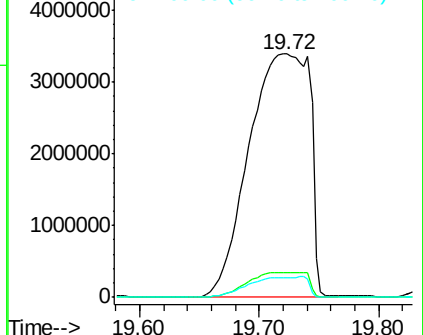
100 8.3 0.0 39.5



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): BE



#17

Pyrene

Concen: 1213.766 ng/ul

RT: 20.08 min Scan# 3344

Delta R.T. 0.05 min

Lab File: BE096185.D

Acq: 26 Apr 2018 18:44

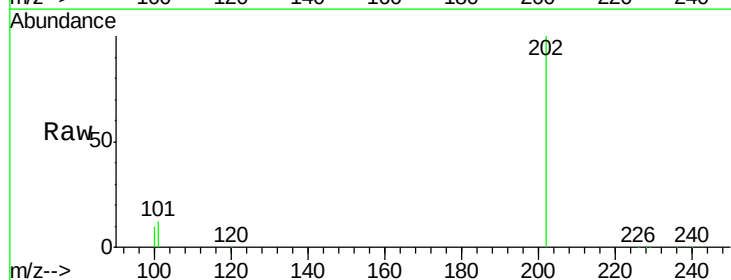
Tgt Ion:202 Resp:10587400

Ion Ratio Lower Upper

202 100

101 12.4 18.2 27.4#

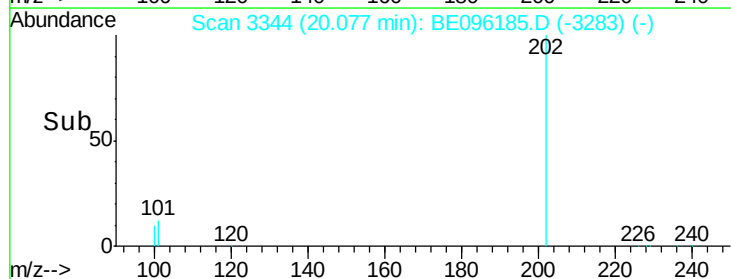
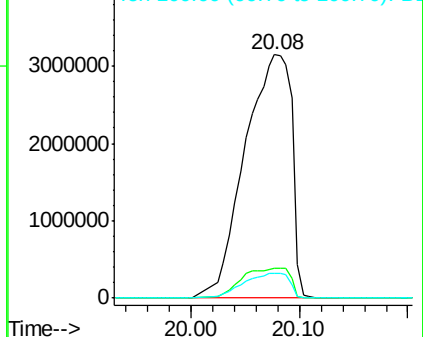
100 10.4 15.6 23.4#

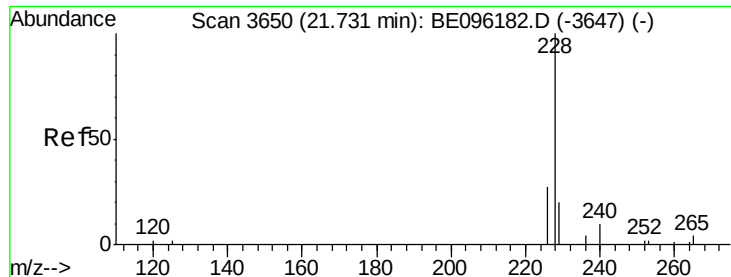


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 300.514 ng/ul

RT: 21.77 min Scan# 3656

Delta R.T. 0.04 min

Lab File: BE096185.D

Acq: 26 Apr 2018 18:44

Instrument :

BNA_E

ClientSampleId :

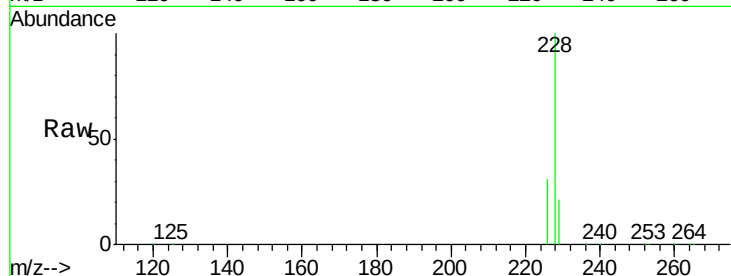
Tot Ion:228 Resp: 3955838

Ion Ratio Lower Upper

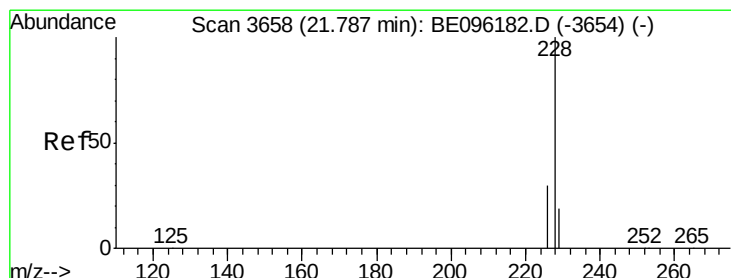
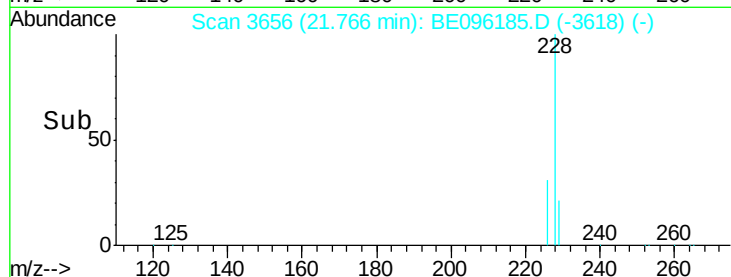
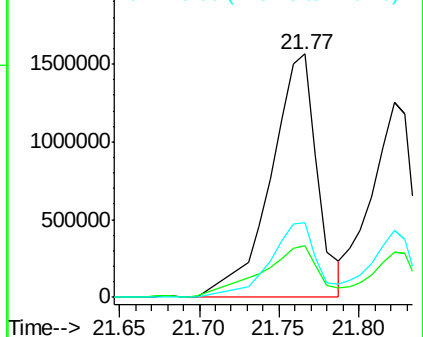
228 100

229 21.2 22.8 34.2#

226 30.8 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: 182.463 ng/ul

RT: 21.82 min Scan# 3664

Delta R.T. 0.04 min

Lab File: BE096185.D

Acq: 26 Apr 2018 18:44

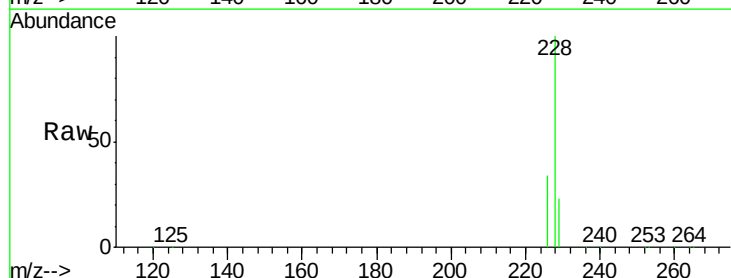
Tgt Ion:228 Resp: 2207089

Ion Ratio Lower Upper

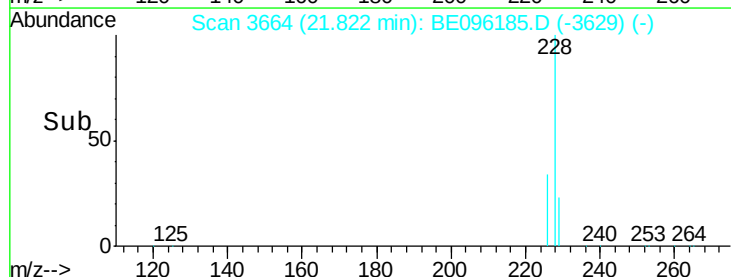
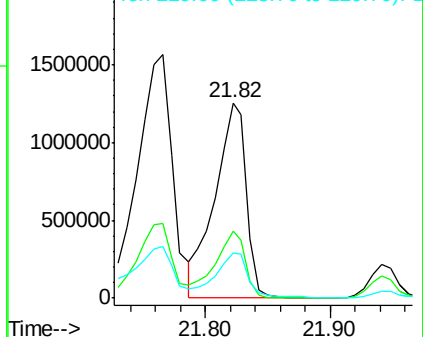
228 100

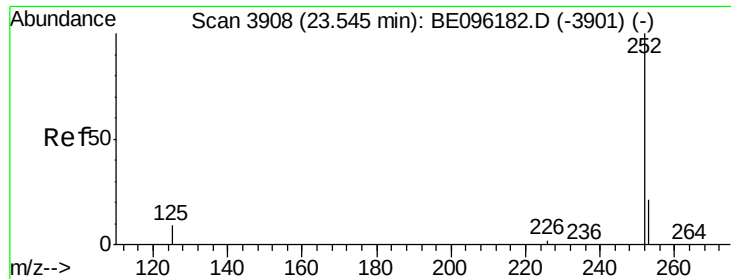
226 34.3 23.4 35.0

229 23.4 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

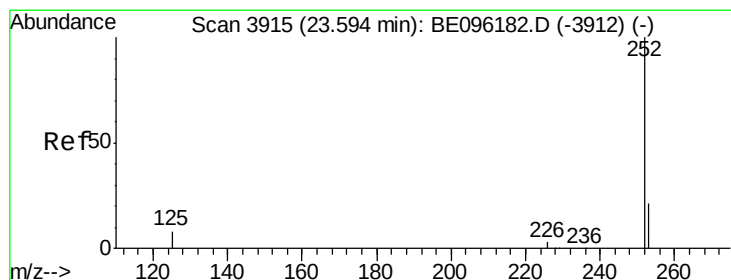
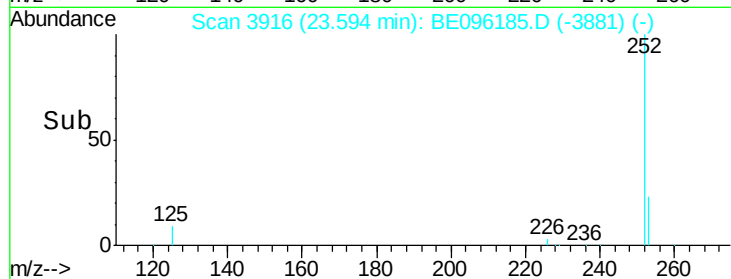
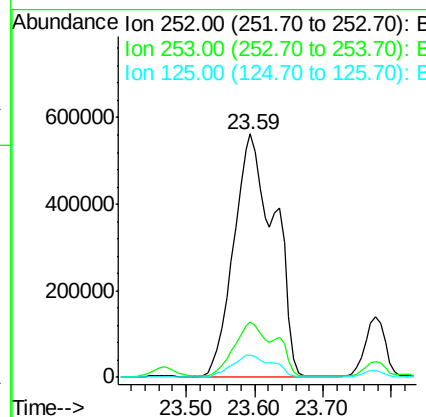
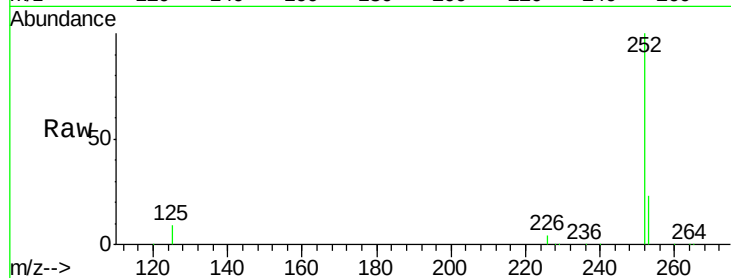




#21
Benzo(b)fluoranthene
Concen: 115.952 ng/ul
RT: 23.59 min Scan# 3916
Delta R.T. 0.05 min
Lab File: BE096185.D
Acq: 26 Apr 2018 18:44

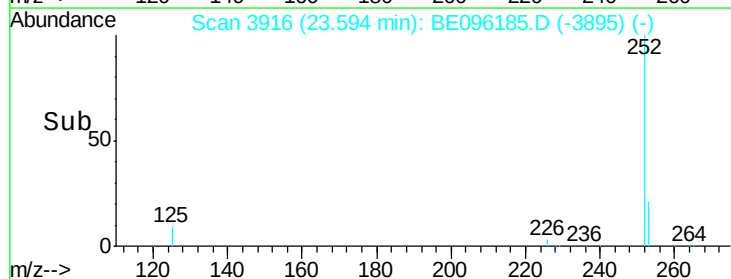
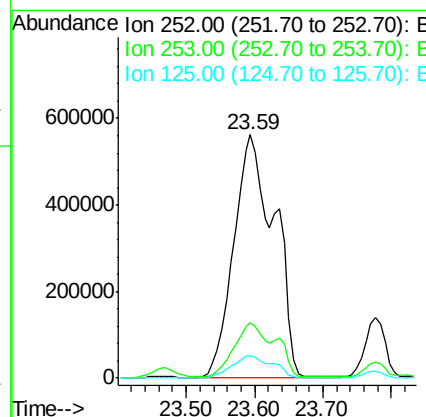
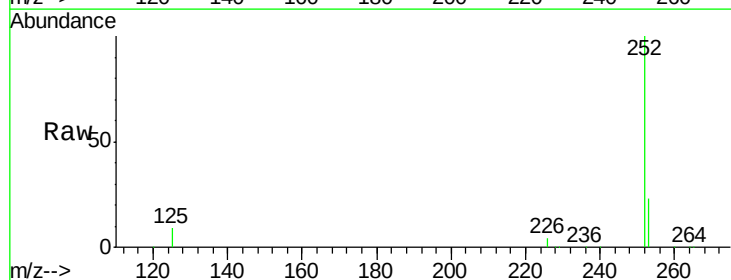
Instrument :
BNA_E
ClientSampleId :

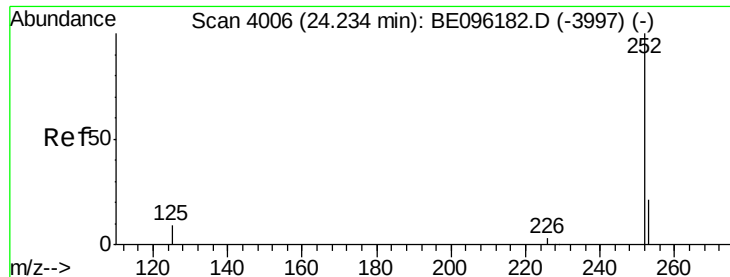
Tot Ion:252 Resp: 2319526
Ion Ratio Lower Upper
252 100
253 22.8 0.0 64.2
125 9.2 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 121.292 ng/ul
RT: 23.59 min Scan# 3916
Delta R.T. -0.00 min
Lab File: BE096185.D
Acq: 26 Apr 2018 18:44

Tgt Ion:252 Resp: 2319526
Ion Ratio Lower Upper
252 100
253 22.8 24.5 36.7#
125 9.2 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 65.417 ng/ul

RT: 24.28 min Scan# 4014

Delta R.T. 0.05 min

Lab File: BE096185.D

Acq: 26 Apr 2018 18:44

Instrument :

BNA_E

ClientSampleId :

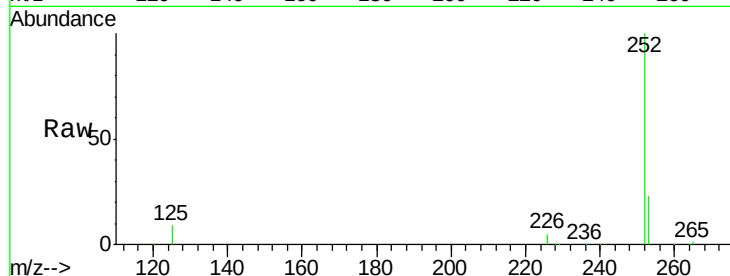
Tot Ion:252 Resp: 1136870

Ion Ratio Lower Upper

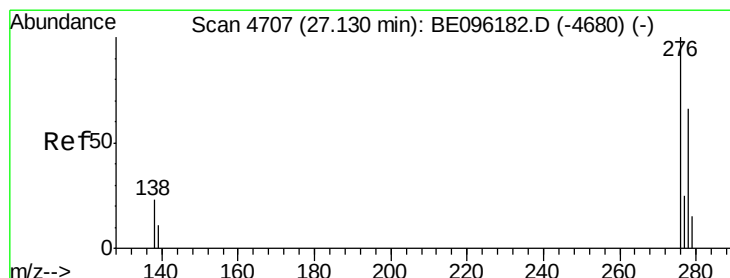
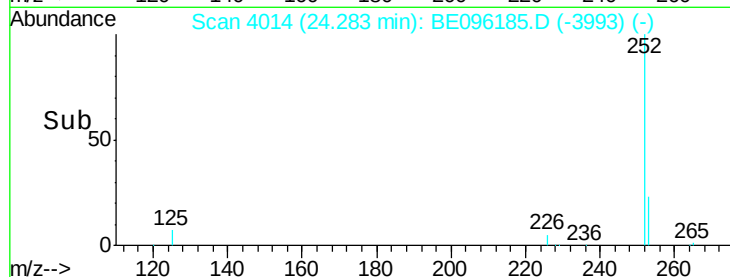
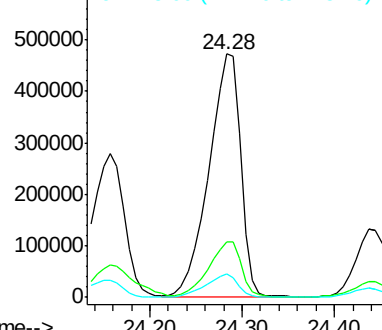
252 100

253 22.7 28.5 42.7#

125 9.5 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: 17.603 ng/ul

RT: 27.18 min Scan# 4721

Delta R.T. 0.05 min

Lab File: BE096185.D

Acq: 26 Apr 2018 18:44

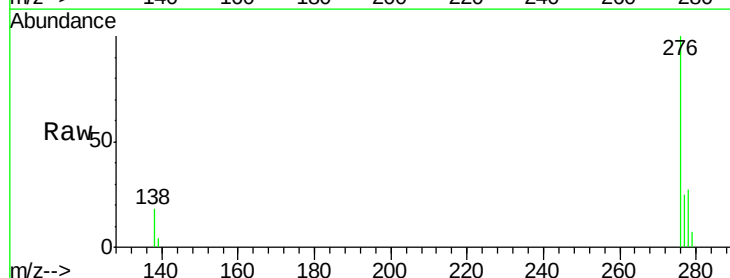
Tgt Ion:276 Resp: 412194

Ion Ratio Lower Upper

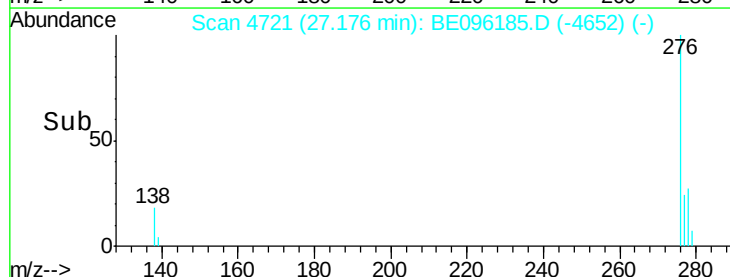
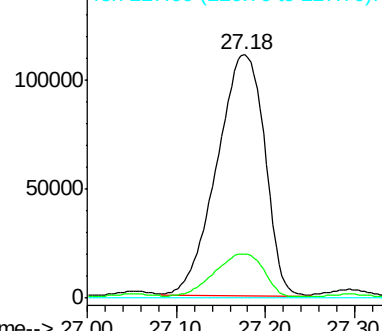
276 100

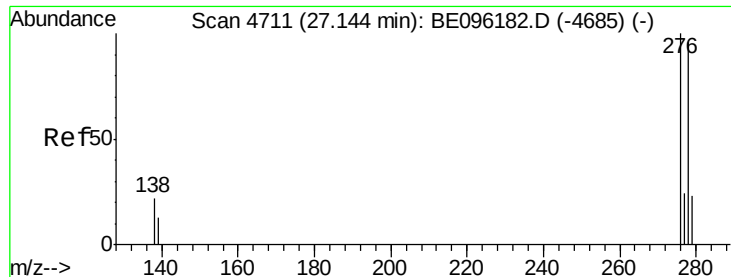
138 18.4 28.0 42.0#

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

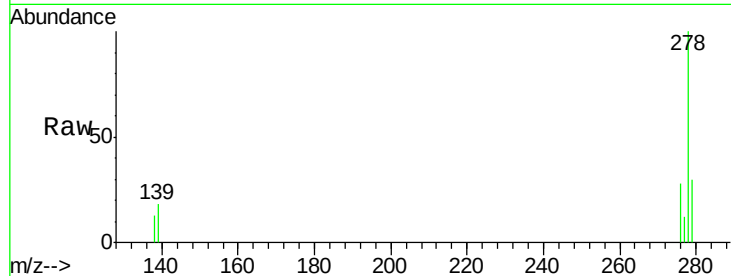




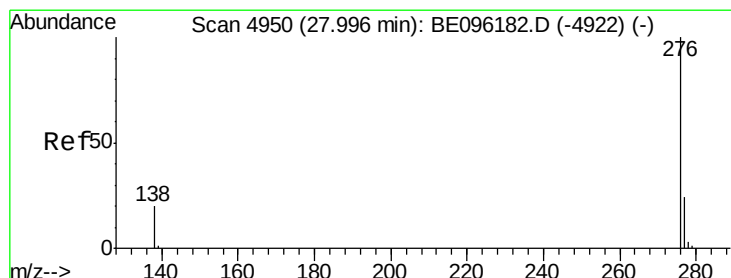
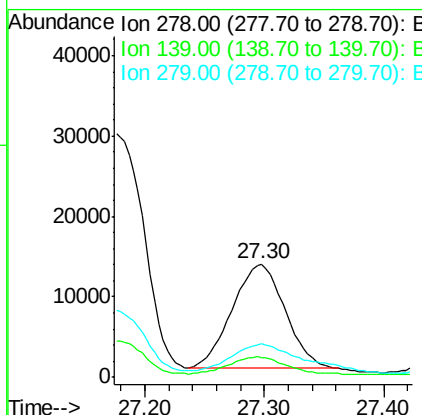
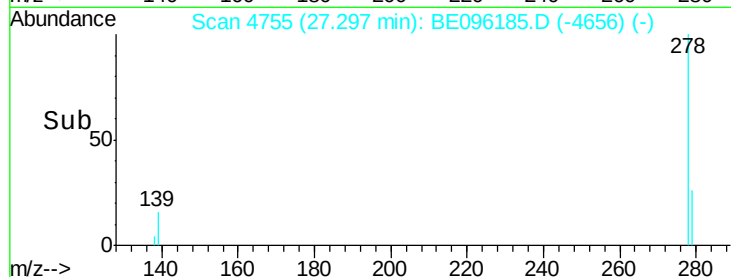
#25
Dibenzo(a,h)anthracene
Concen: 2.049 ng/ul
RT: 27.30 min Scan# 4755
Delta R.T. 0.15 min
Lab File: BE096185.D
Acq: 26 Apr 2018 18:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 40180
Ion Ratio Lower Upper
278 100
139 17.7 17.4 26.0
279 29.6 25.9 38.9

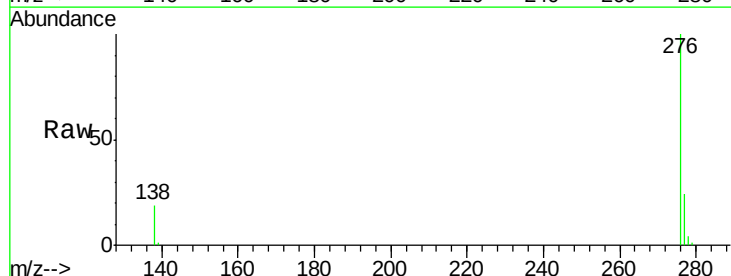


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 16.435 ng/ul
RT: 28.05 min Scan# 4965
Delta R.T. 0.05 min
Lab File: BE096185.D
Acq: 26 Apr 2018 18:44

Tgt Ion:276 Resp: 335001
Ion Ratio Lower Upper
276 100
138 18.9 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

