

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\
 Data File : BE096150.D
 Acq On : 25 Apr 2018 16:25
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 26 04:20:11 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 04:18:04 2018
 Response via : Initial Calibration

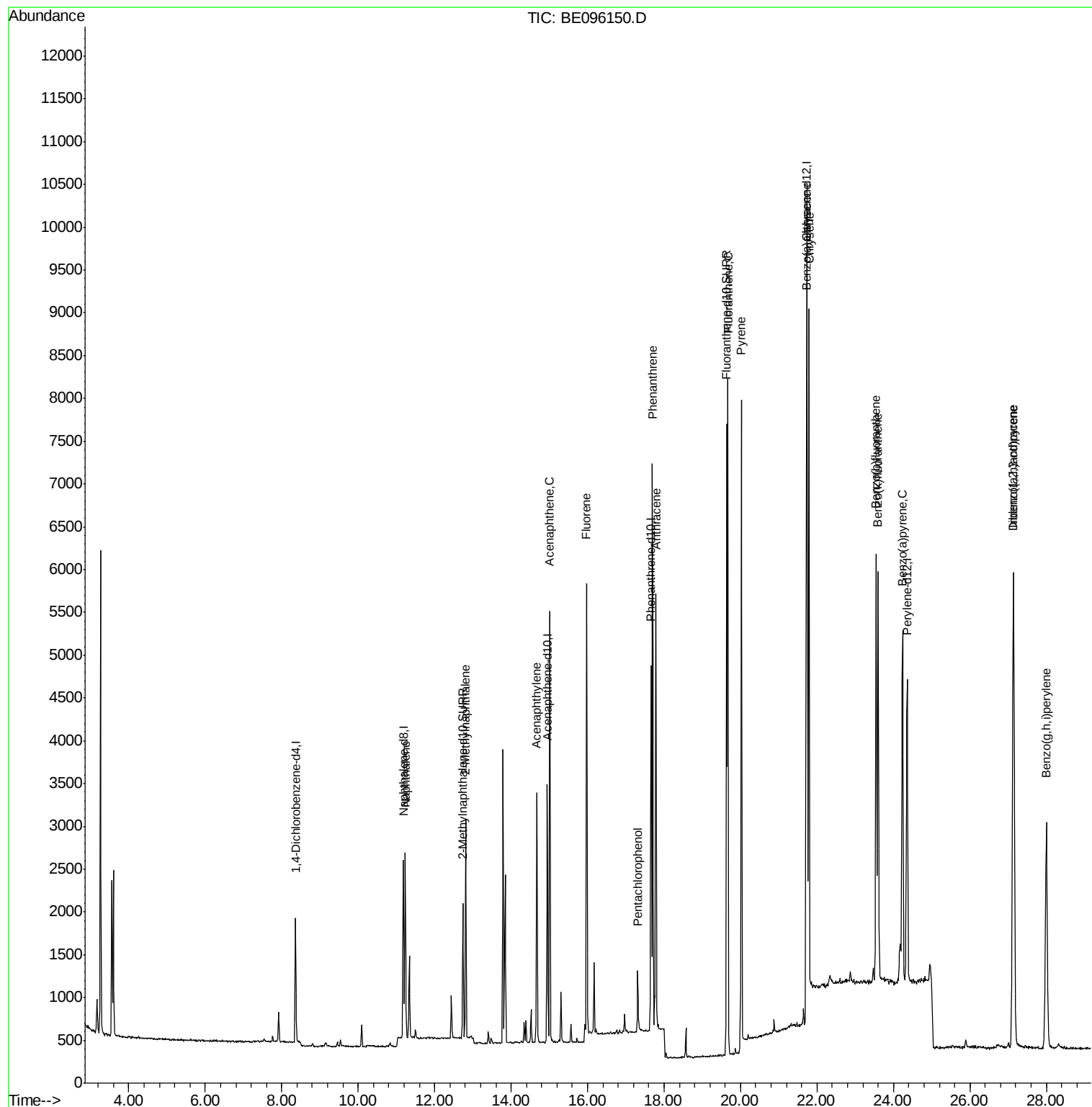
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	725	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	2724	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	1650	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	4728	0.40	ng/ul	0.00
16) Chrysene-d12	21.75	240	6284	0.40	ng/ul	0.00
20) Perylene-d12	24.35	264	5263	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	2024	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	8032	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.23	128	3067	0.404	ng/ul#	91
5) 2-Methylnaphthalene	12.81	142	2109	0.415	ng/ul	98
7) Acenaphthylene	14.67	152	3382	0.398	ng/ul	98
8) Acenaphthene	15.01	153	2936	0.479	ng/ul	92
9) Fluorene	15.97	166	4258	0.525	ng/ul	87
11) Pentachlorophenol	17.31	266	378	0.332	ng/ul	97
12) Phenanthrene	17.70	178	6688	0.480	ng/ul#	89
13) Anthracene	17.79	178	5696	0.408	ng/ul#	92
15) Fluoranthene	19.67	202	8348	0.392	ng/ul	85
17) Pyrene	20.02	202	4541	0.360	ng/ul#	79
18) Benzo(a)anthracene	21.73	228	6381	0.335	ng/ul#	86
19) Chrysene	21.79	228	7022	0.402	ng/ul	97
21) Benzo(b)fluoranthene	23.55	252	7208	0.362	ng/ul	87
22) Benzo(k)fluoranthene	23.60	252	6638	0.348	ng/ul#	89
23) Benzo(a)pyrene	24.24	252	6590	0.381	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	27.13	276	7525	0.323	ng/ul#	78
25) Dibenzo(a,h)anthracene	27.14	278	6189	0.317	ng/ul	91
26) Benzo(g,h,i)perylene	28.00	276	6356	0.313	ng/ul	97

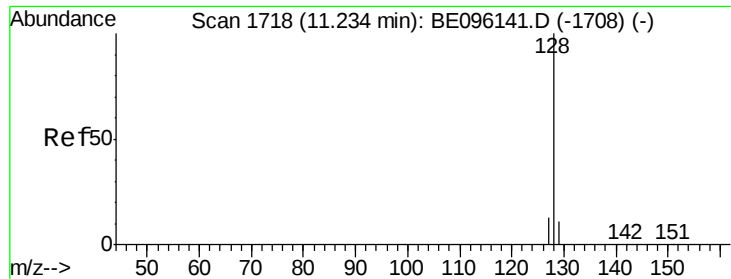
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.404 ng/ul

RT: 11.23 min Scan# 1718

Delta R.T. -0.00 min

Lab File: BE096150.D

Acq: 25 Apr 2018 16:25

Instrument :

BNA_E

ClientSampleId :

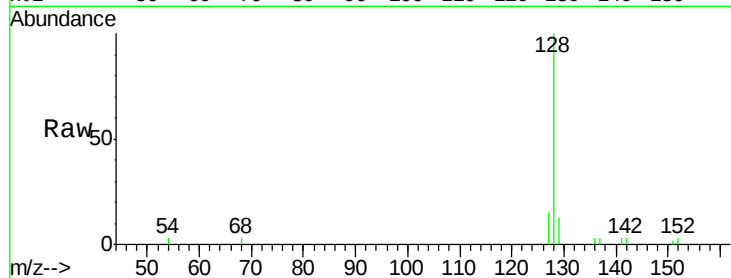
Tot Ion:128 Resp: 3067

Ion Ratio Lower Upper

128 100

129 13.1 11.3 16.9

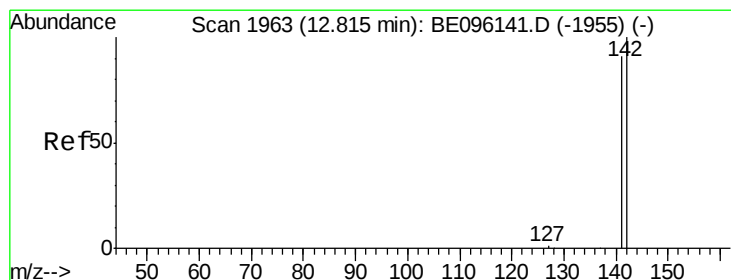
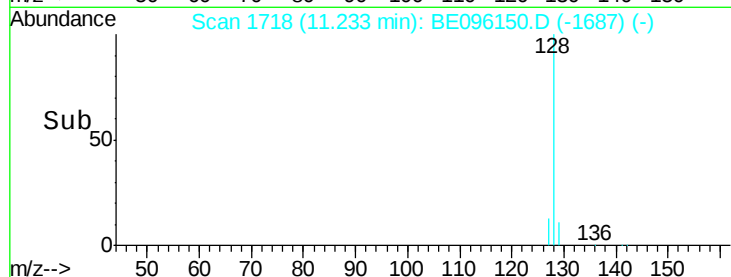
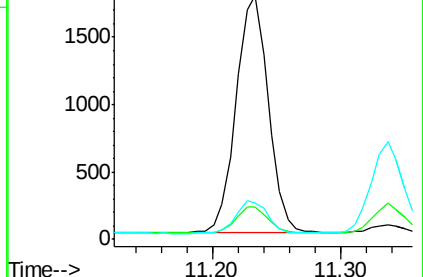
127 14.8 4.0 6.0#



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: 0.415 ng/ul

RT: 12.81 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BE096150.D

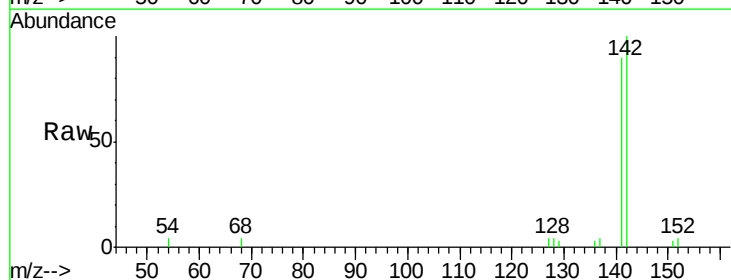
Acq: 25 Apr 2018 16:25

Tgt Ion:142 Resp: 2109

Ion Ratio Lower Upper

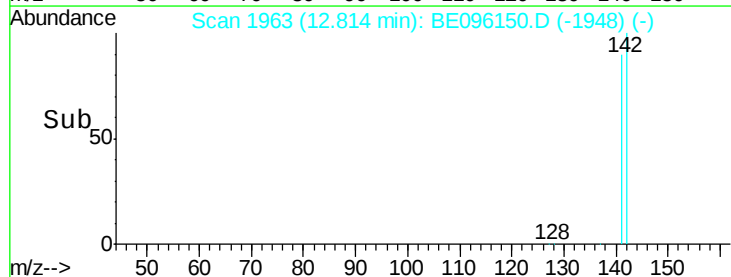
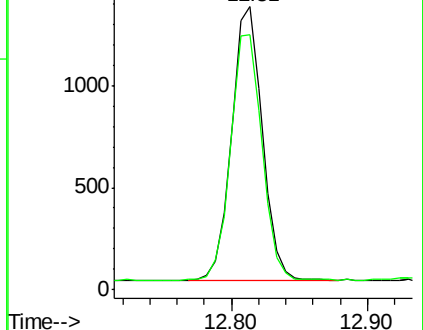
142 100

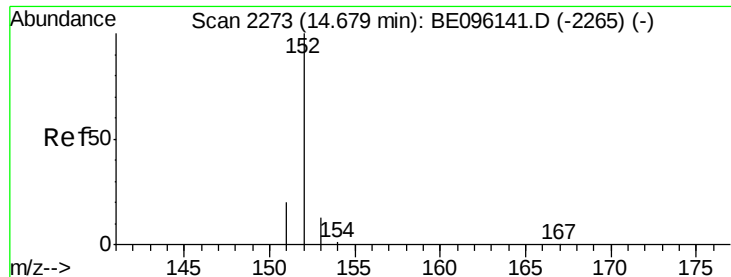
141 92.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.398 ng/ul

RT: 14.67 min Scan# 2273

Delta R.T. -0.01 min

Lab File: BE096150.D

Acq: 25 Apr 2018 16:25

Instrument :

BNA_E

ClientSampleId :

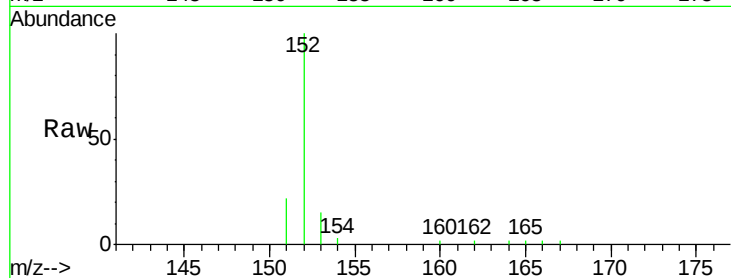
Tot Ion:152 Resp: 3382

Ion Ratio Lower Upper

152 100

151 21.8 17.1 25.7

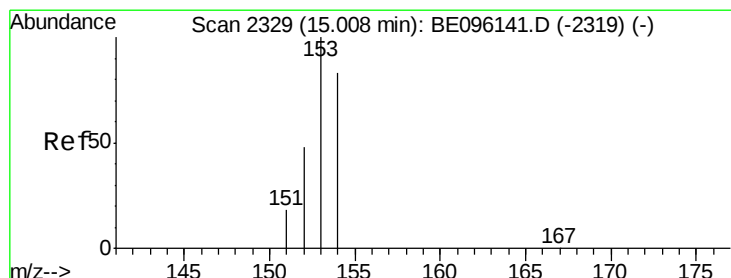
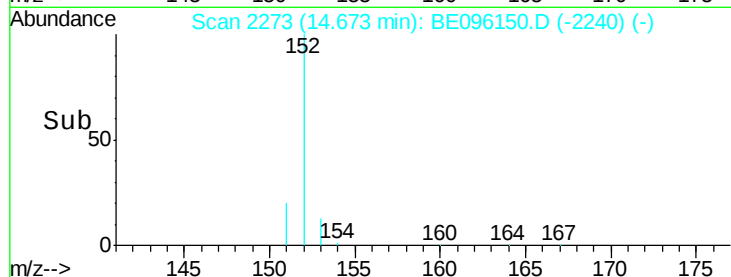
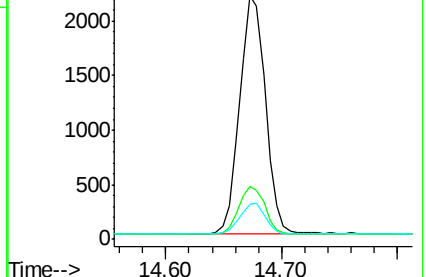
153 14.6 12.8 19.2



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: 0.479 ng/ul

RT: 15.01 min Scan# 2330

Delta R.T. -0.00 min

Lab File: BE096150.D

Acq: 25 Apr 2018 16:25

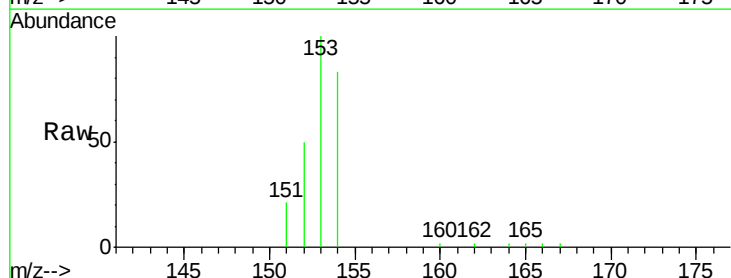
Tgt Ion:153 Resp: 2936

Ion Ratio Lower Upper

153 100

152 49.9 36.0 54.0

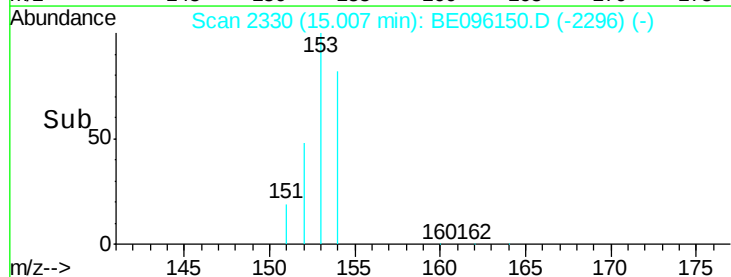
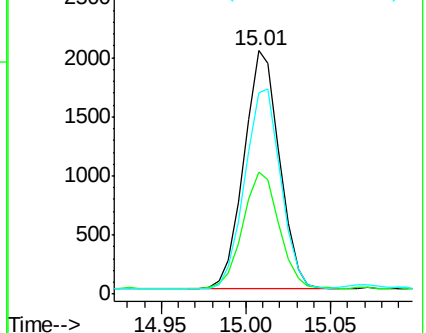
154 82.9 72.0 108.0

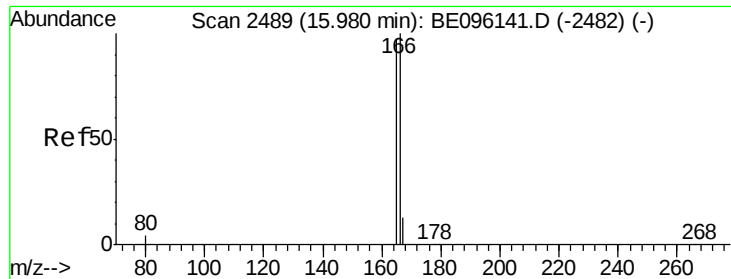


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.525 ng/ul

RT: 15.97 min Scan# 2489

Delta R.T. -0.01 min

Lab File: BE096150.D

Acq: 25 Apr 2018 16:25

Instrument :

BNA_E

ClientSampleId :

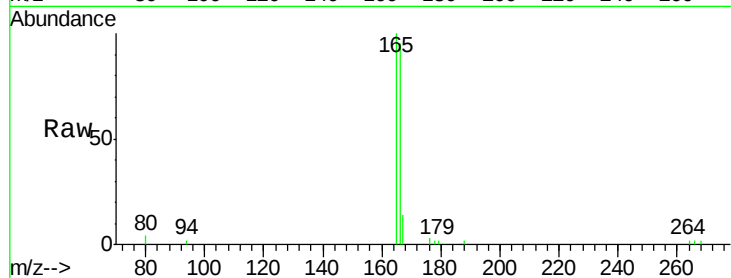
Tot Ion:166 Resp: 4258

Ion Ratio Lower Upper

166 100

165 104.8 73.4 110.2

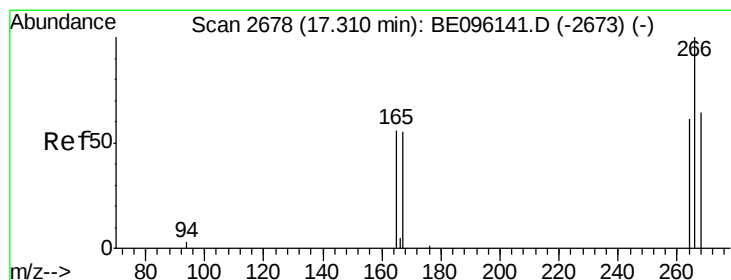
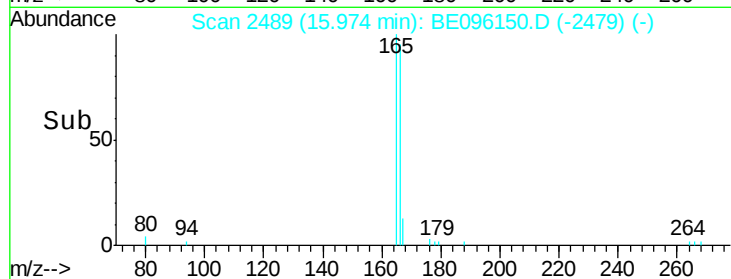
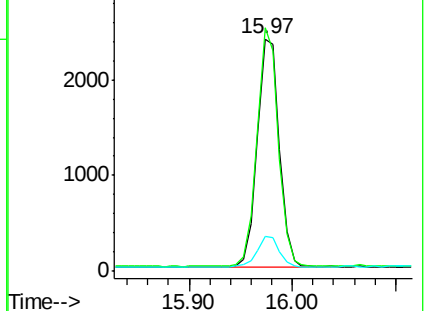
167 15.0 14.6 22.0



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



#11

Pentachlorophenol

Concen: 0.332 ng/ul

RT: 17.31 min Scan# 2679

Delta R.T. 0.00 min

Lab File: BE096150.D

Acq: 25 Apr 2018 16:25

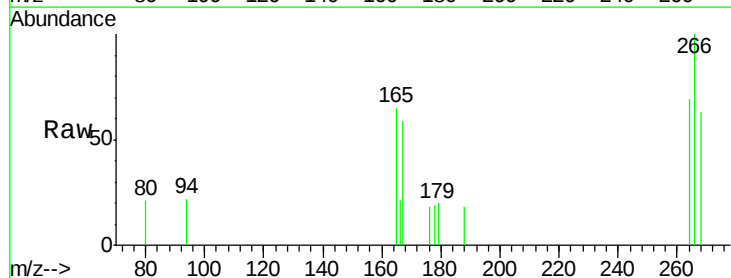
Tgt Ion:266 Resp: 378

Ion Ratio Lower Upper

266 100

264 64.3 47.9 71.9

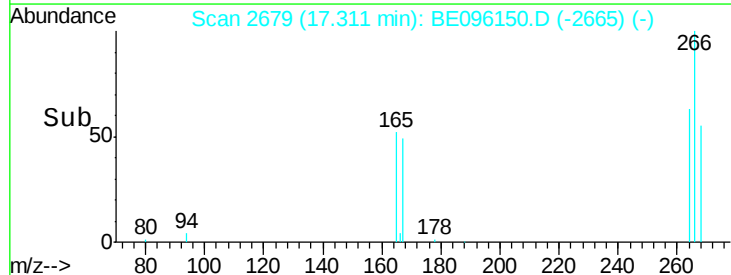
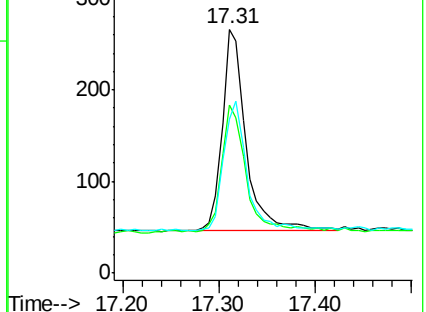
268 62.7 49.8 74.8

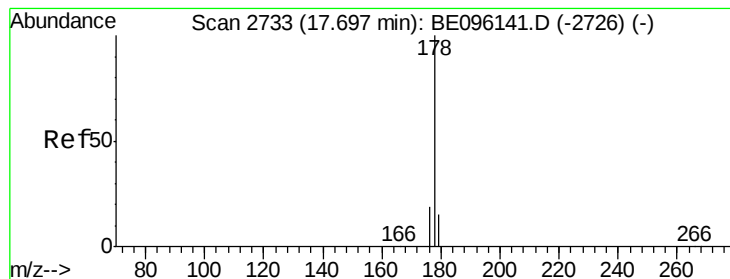


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.480 ng/ul

RT: 17.70 min Scan# 2734

Delta R.T. 0.00 min

Lab File: BE096150.D

Acq: 25 Apr 2018 16:25

Instrument :

BNA_E

ClientSampleId :

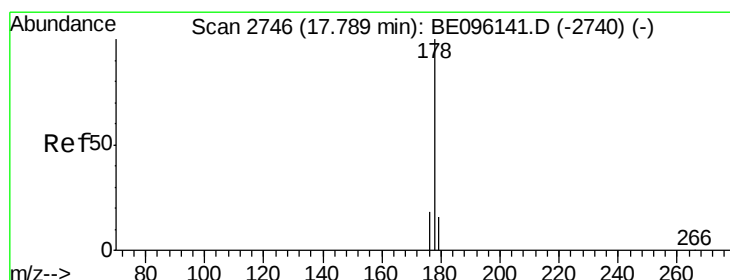
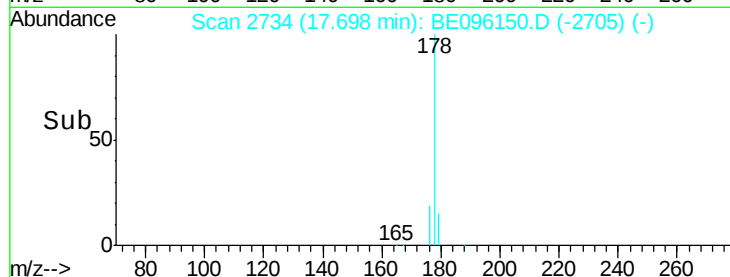
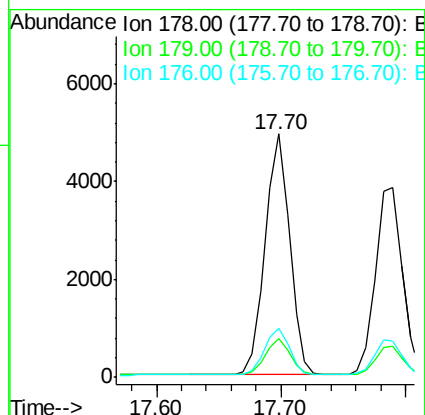
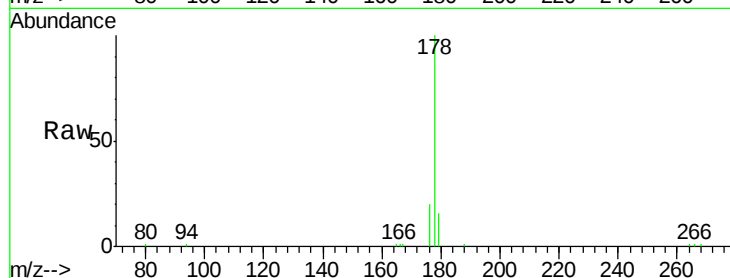
Tot Ion:178 Resp: 6688

Ion Ratio Lower Upper

178 100

179 16.0 18.4 27.6#

176 20.0 13.6 20.4



#13

Anthracene

Concen: 0.408 ng/ul

RT: 17.79 min Scan# 2747

Delta R.T. 0.00 min

Lab File: BE096150.D

Acq: 25 Apr 2018 16:25

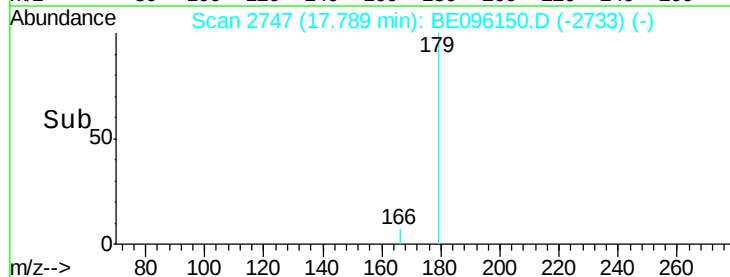
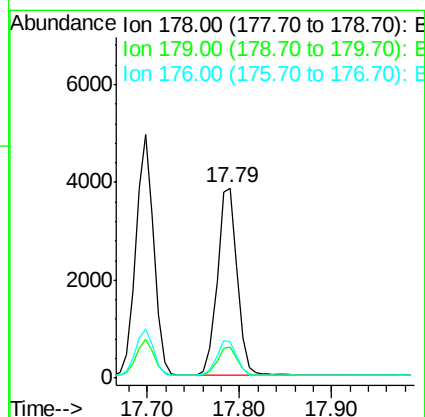
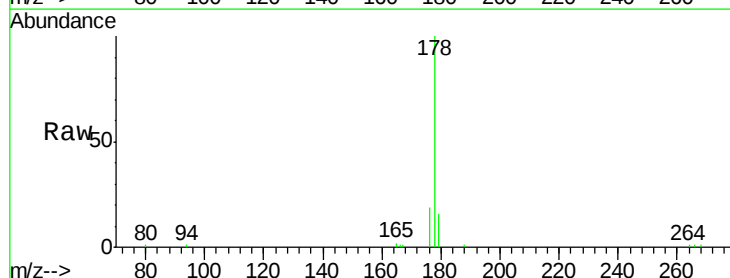
Tgt Ion:178 Resp: 5696

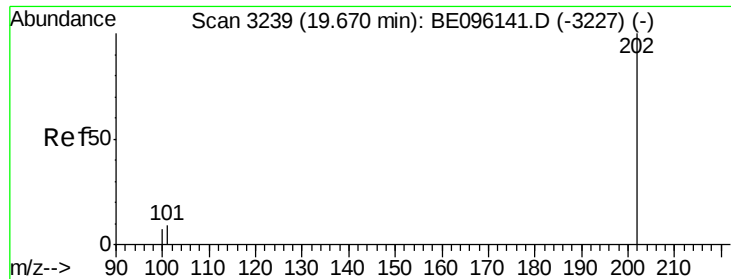
Ion Ratio Lower Upper

178 100

179 16.3 18.1 27.1#

176 18.9 14.7 22.1





#15

Fluoranthene

Concen: 0.392 ng/ul

RT: 19.67 min Scan# 3239

Delta R.T. -0.00 min

Lab File: BE096150.D

Acq: 25 Apr 2018 16:25

Instrument :

BNA_E

ClientSampleId :

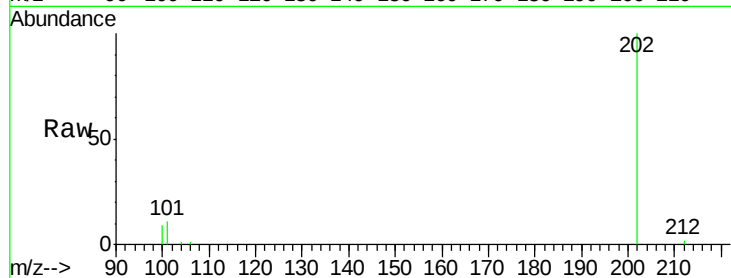
Tot Ion:202 Resp: 8348

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.3

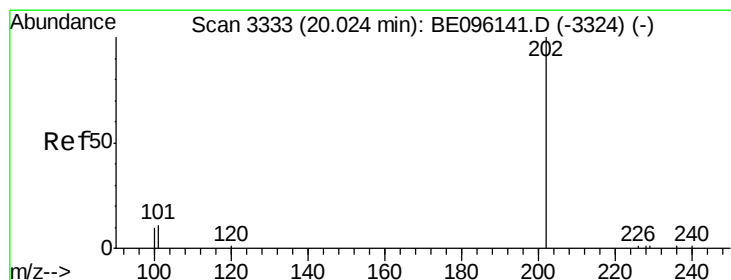
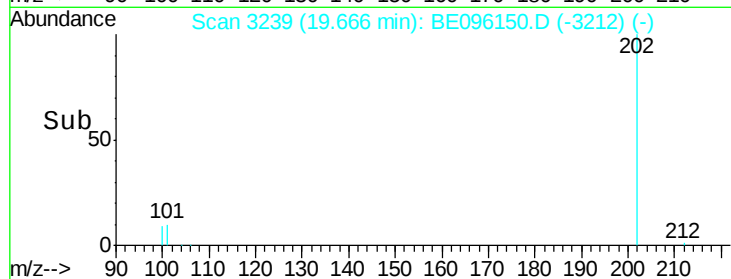
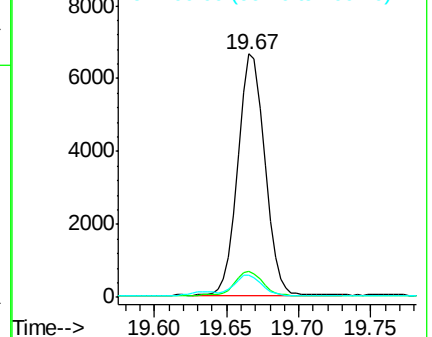
100 9.2 0.0 39.5



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: 0.360 ng/ul

RT: 20.02 min Scan# 3333

Delta R.T. -0.00 min

Lab File: BE096150.D

Acq: 25 Apr 2018 16:25

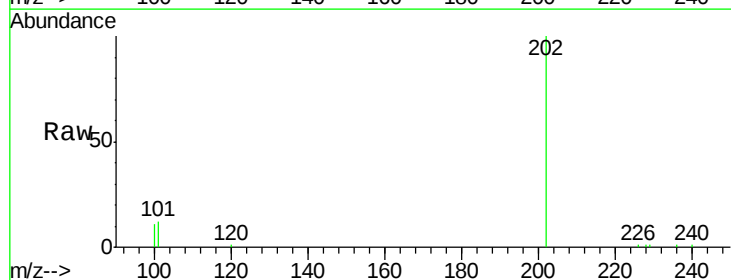
Tgt Ion:202 Resp: 4541

Ion Ratio Lower Upper

202 100

101 11.6 18.2 27.4#

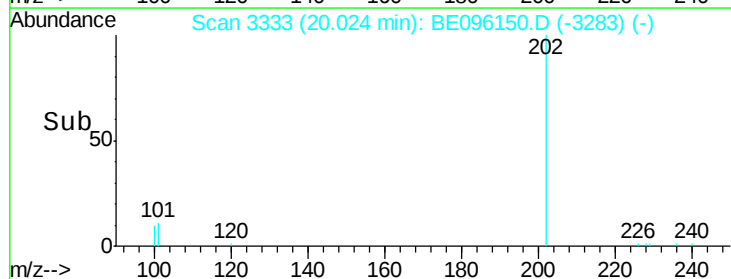
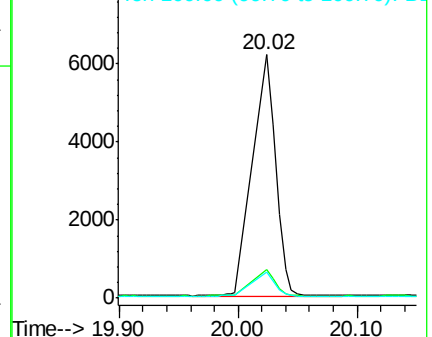
100 10.6 15.6 23.4#

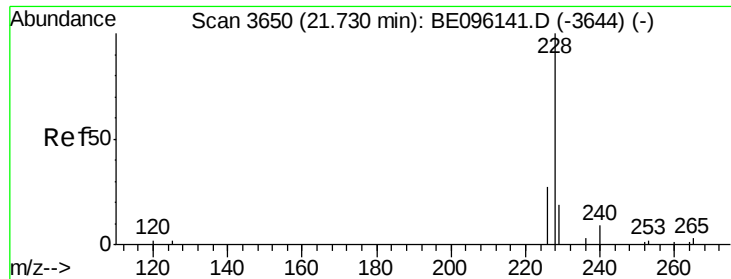


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.335 ng/ul

RT: 21.73 min Scan# 3650

Delta R.T. 0.00 min

Lab File: BE096150.D

Acq: 25 Apr 2018 16:25

Instrument :

BNA_E

ClientSampleId :

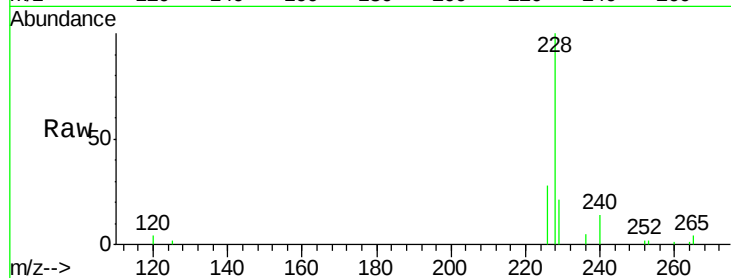
Tot Ion:228 Resp: 6381

Ion Ratio Lower Upper

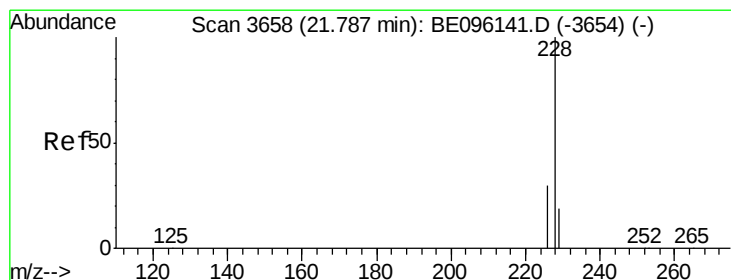
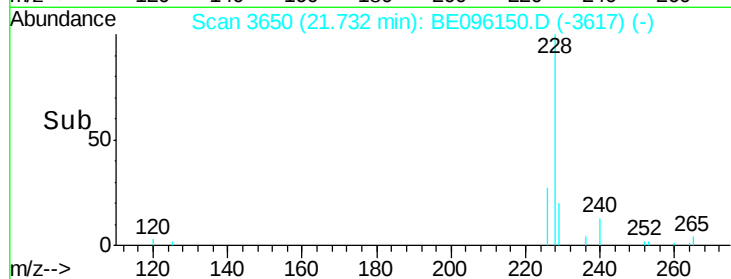
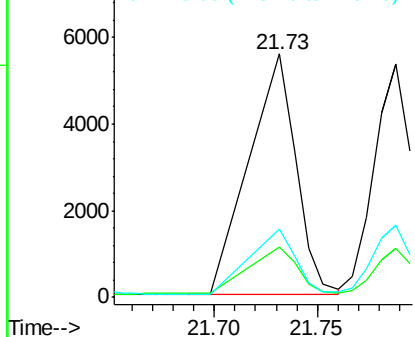
228 100

229 20.8 22.8 34.2#

226 27.9 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: 0.402 ng/ul

RT: 21.79 min Scan# 3658

Delta R.T. 0.00 min

Lab File: BE096150.D

Acq: 25 Apr 2018 16:25

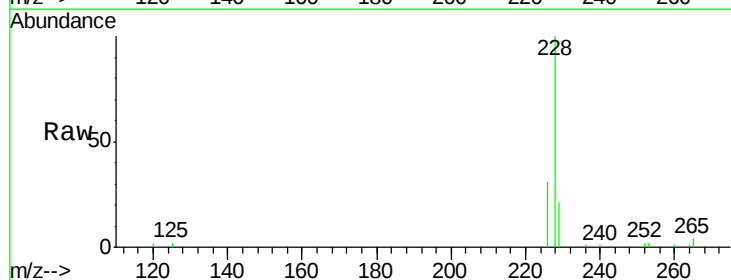
Tgt Ion:228 Resp: 7022

Ion Ratio Lower Upper

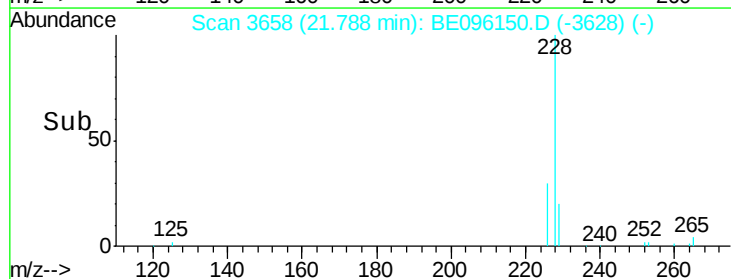
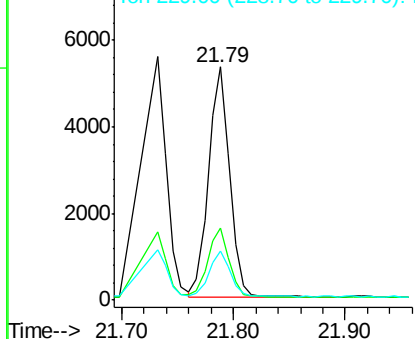
228 100

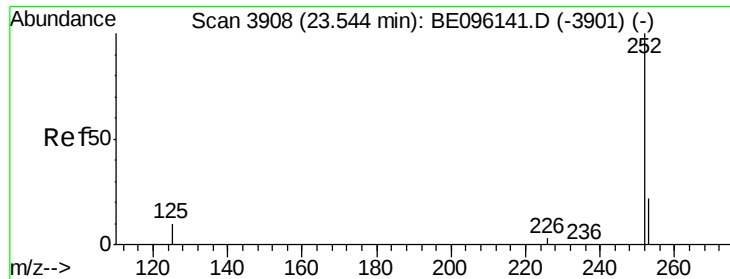
226 30.7 23.4 35.0

229 20.8 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

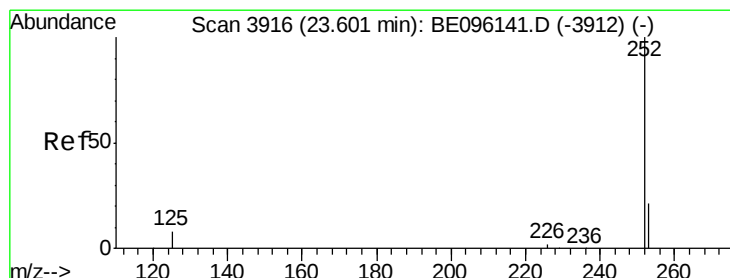
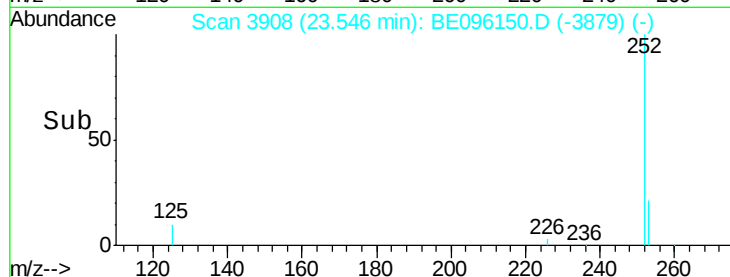
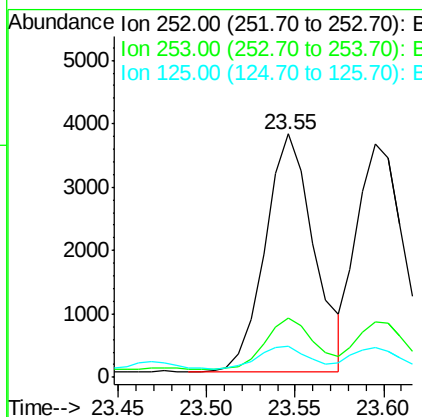
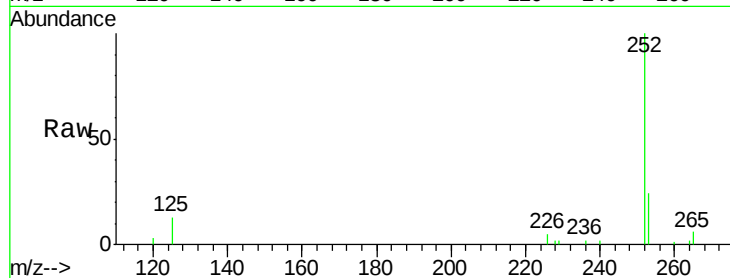




#21
Benzo(b)fluoranthene
Concen: 0.362 ng/ul
RT: 23.55 min Scan# 3908
Delta R.T. 0.00 min
Lab File: BE096150.D
Acq: 25 Apr 2018 16:25

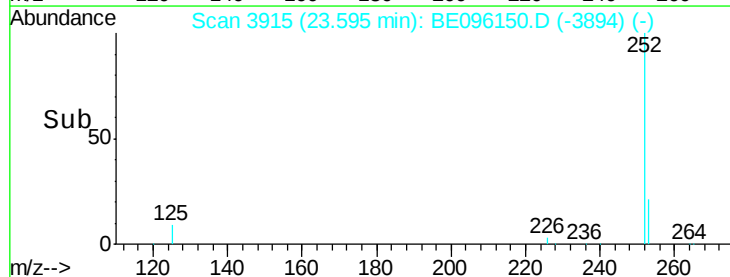
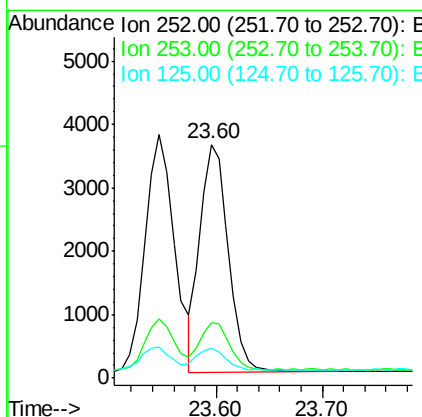
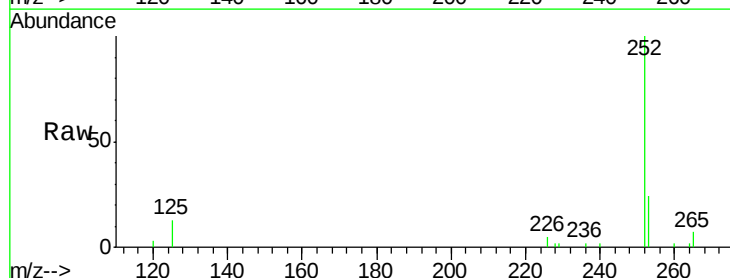
Instrument :
BNA_E
ClientSampleId :

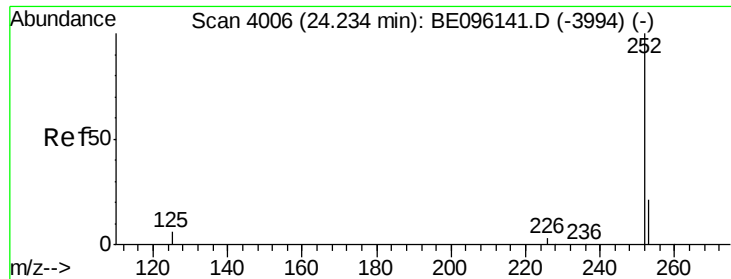
Tot Ion:252 Resp: 7208
Ion Ratio Lower Upper
252 100
253 24.1 0.0 64.2
125 12.7 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.348 ng/ul
RT: 23.60 min Scan# 3915
Delta R.T. -0.01 min
Lab File: BE096150.D
Acq: 25 Apr 2018 16:25

Tgt Ion:252 Resp: 6638
Ion Ratio Lower Upper
252 100
253 24.0 24.5 36.7#
125 12.8 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.381 ng/ul

RT: 24.24 min Scan# 4006

Delta R.T. 0.00 min

Lab File: BE096150.D

Acq: 25 Apr 2018 16:25

Instrument :

BNA_E

ClientSampleId :

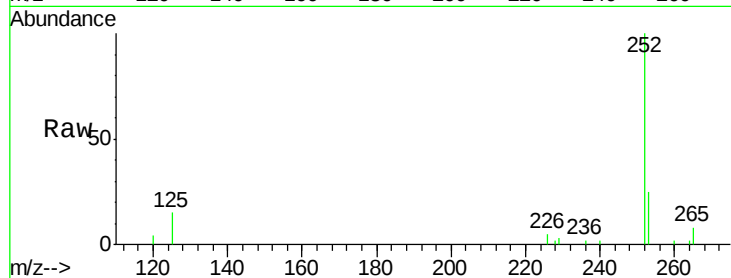
Tot Ion:252 Resp: 6590

Ion Ratio Lower Upper

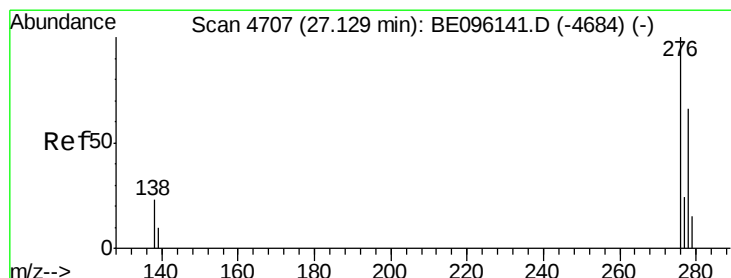
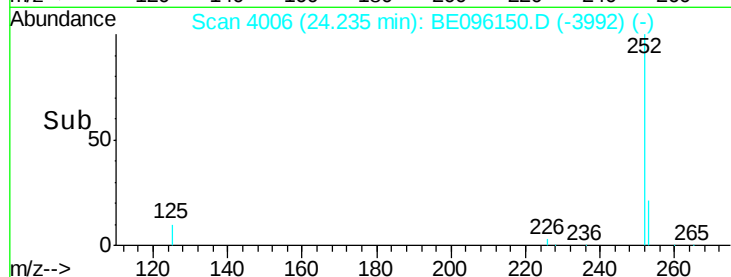
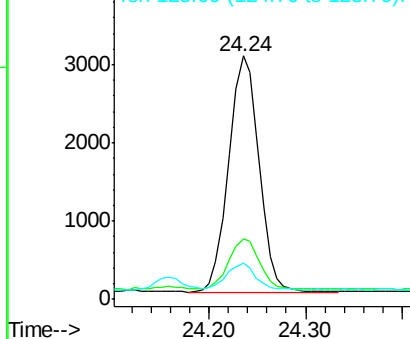
252 100

253 24.8 28.5 42.7#

125 15.0 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: 0.323 ng/ul

RT: 27.13 min Scan# 4708

Delta R.T. 0.00 min

Lab File: BE096150.D

Acq: 25 Apr 2018 16:25

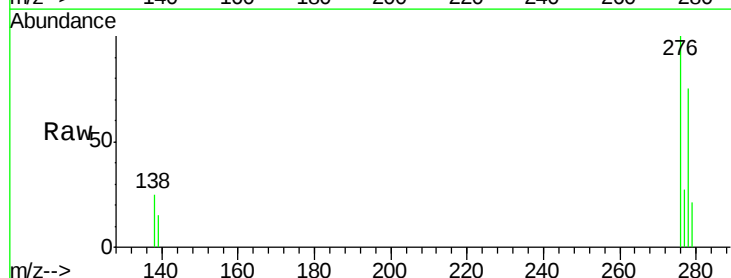
Tgt Ion:276 Resp: 7525

Ion Ratio Lower Upper

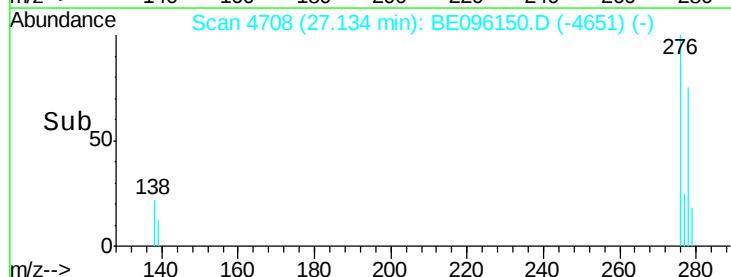
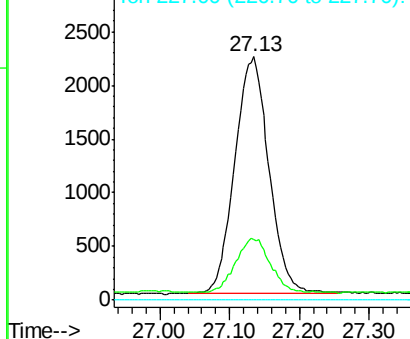
276 100

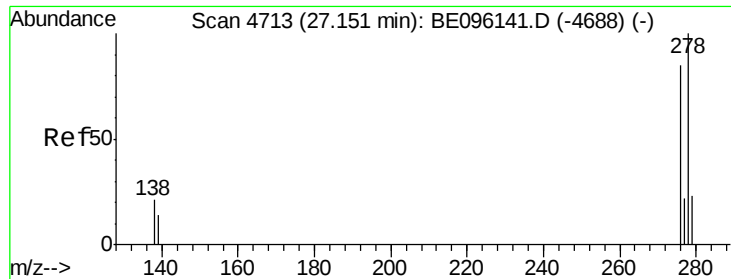
138 23.1 28.0 42.0#

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



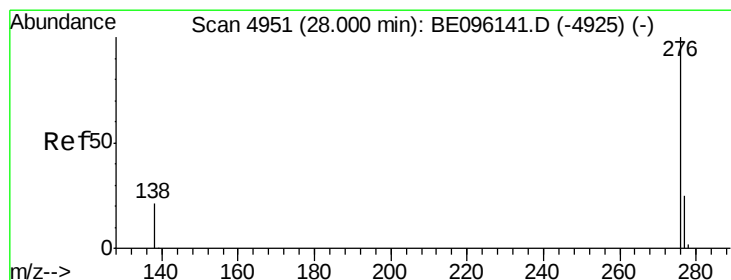
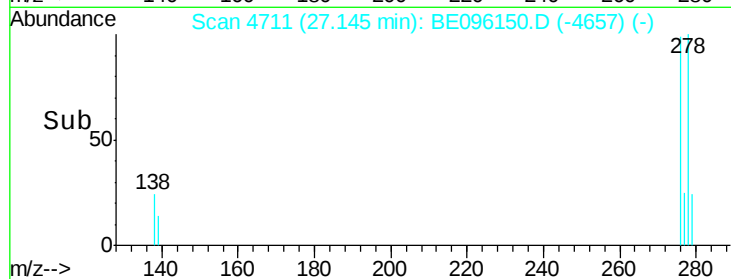
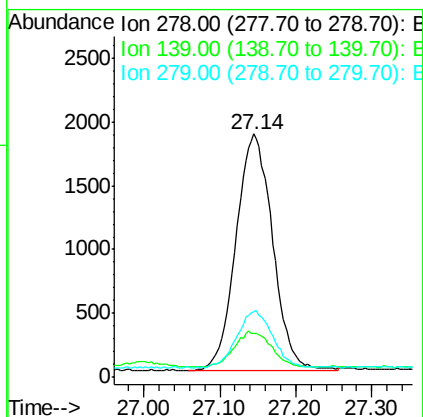
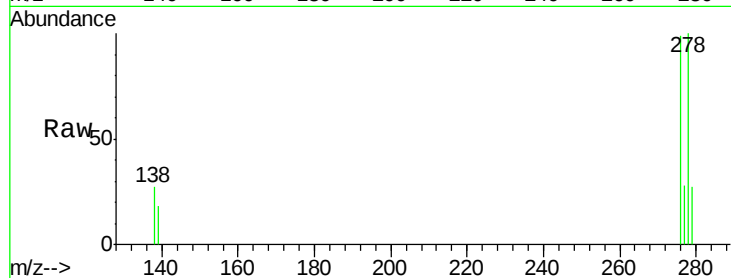


#25
Dibenzo(a,h)anthracene
Concen: 0.317 ng/ul
RT: 27.14 min Scan# 4711
Delta R.T. -0.01 min
Lab File: BE096150.D
Acq: 25 Apr 2018 16:25

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 6189

Ion	Ratio	Lower	Upper
278	100		
139	18.2	17.4	26.0
279	27.1	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 0.313 ng/ul
RT: 28.00 min Scan# 4950
Delta R.T. -0.00 min
Lab File: BE096150.D
Acq: 25 Apr 2018 16:25

Tgt Ion:276 Resp: 6356

Ion	Ratio	Lower	Upper
276	100		
138	24.3	21.8	32.8
277	25.5	20.5	30.7

