

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042318\
 Data File : BE096089.D
 Acq On : 23 Apr 2018 17:37
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 24 05:23:47 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 24 05:21:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	1866	0.40	ng/ul	0.00
2) Naphthalene-d8	11.20	136	5079	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.97	164	2807	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.67	188	6299	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	7799	0.40	ng/ul	0.00
20) Perylene-d12	24.21	264	496	0.40	ng/ul	-0.17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.76	152	3565	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	8891	0.34	ng/ul	0.00

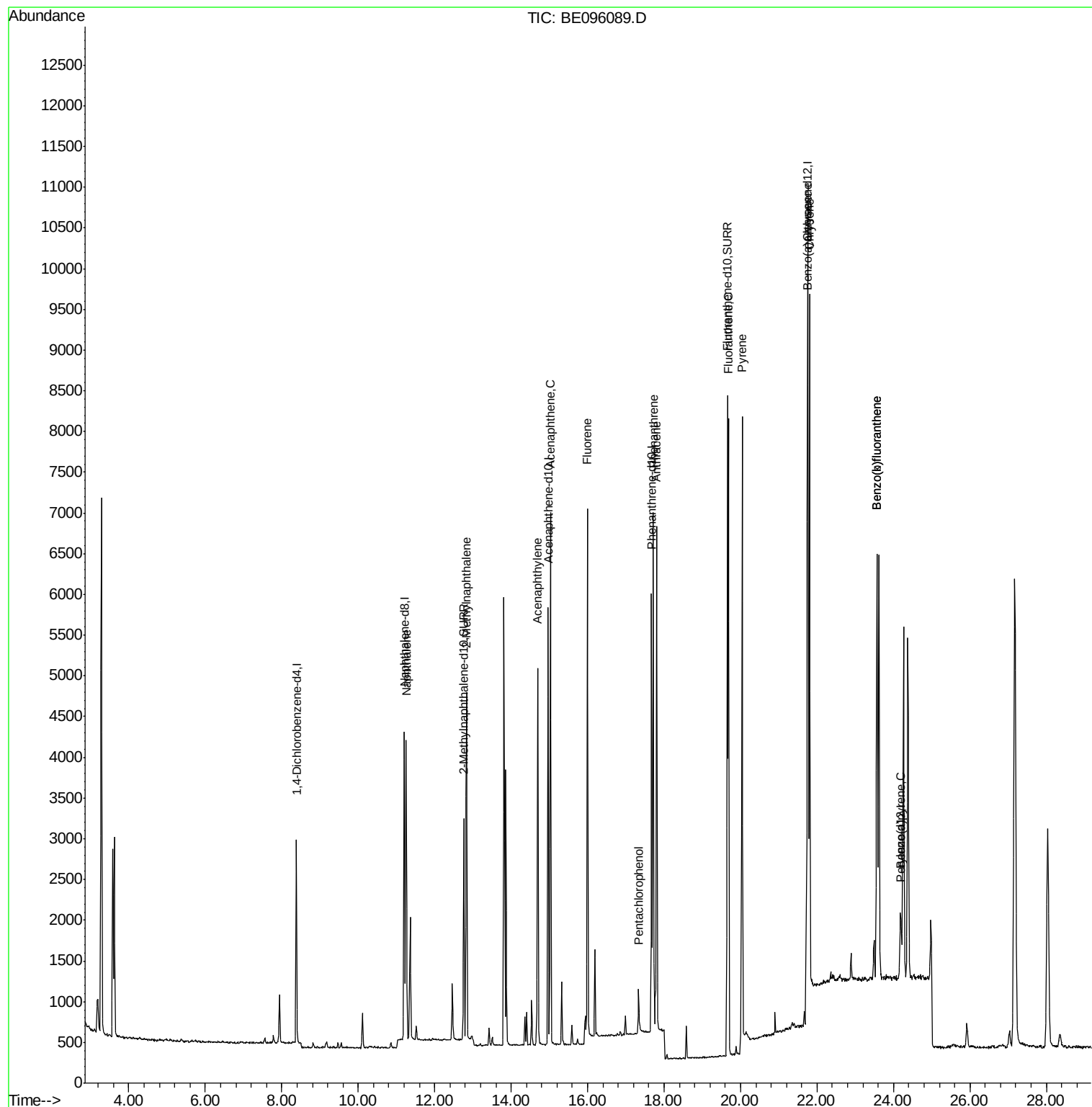
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.25	128	5257	0.371	ng/ul#	89
5) 2-Methylnaphthalene	12.83	142	3611	0.376	ng/ul	99
7) Acenaphthylene	14.69	152	5400	0.371	ng/ul	97
8) Acenaphthene	15.03	153	3856	0.369	ng/ul	93
9) Fluorene	16.00	166	4279	0.363	ng/ul#	91
11) Pentachlorophenol	17.33	266	322	0.242	ng/ul	96
12) Phenanthrene	17.71	178	6912	0.372	ng/ul#	88
13) Anthracene	17.80	178	6719	0.364	ng/ul#	91
15) Fluoranthene	19.68	202	8658	0.343	ng/ul	85
17) Pyrene	20.04	202	9461	0.357	ng/ul#	79
18) Benzo(a)anthracene	21.74	228	10658	0.338	ng/ul#	85
19) Chrysene	21.80	228	7717	0.340	ng/ul	96
21) Benzo(b)fluoranthene	23.57	252	5681	3.540	ng/ul	88
22) Benzo(k)fluoranthene	23.57	252	5681	3.553	ng/ul#	90
23) Benzo(a)pyrene	24.18	252	119	0.077	ng/ul#	1

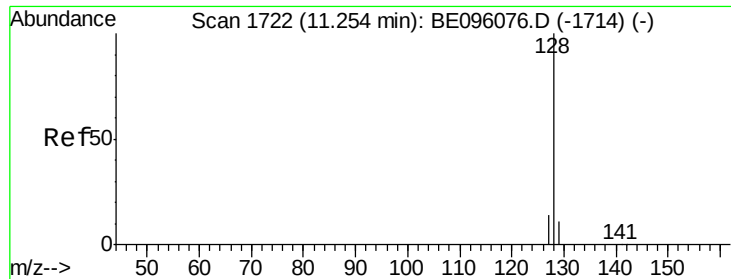
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.371 ng/ul

RT: 11.25 min Scan# 1722

Delta R.T. -0.00 min

Lab File: BE096089.D

Acq: 23 Apr 2018 17:37

Instrument :

BNA_E

ClientSampleId :

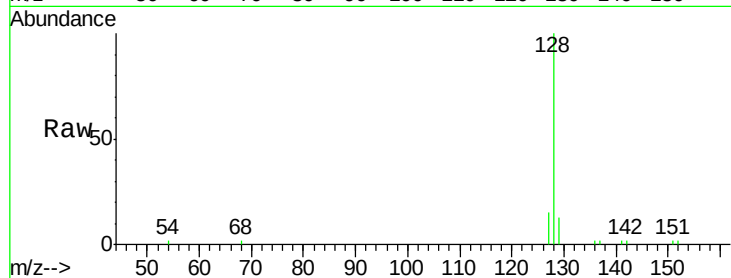
Tot Ion:128 Resp: 5257

Ion Ratio Lower Upper

128 100

129 12.7 11.3 16.9

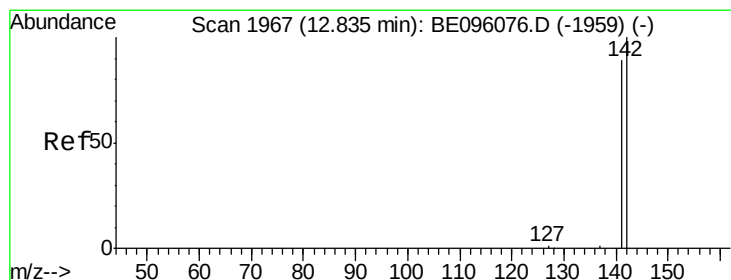
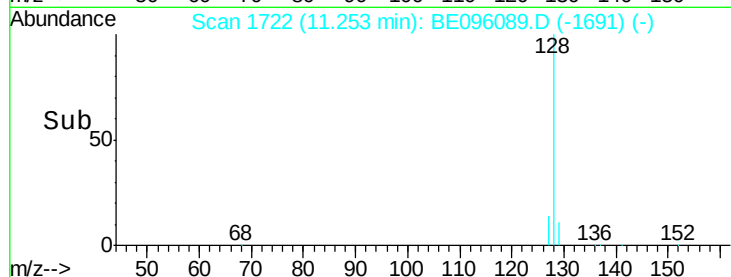
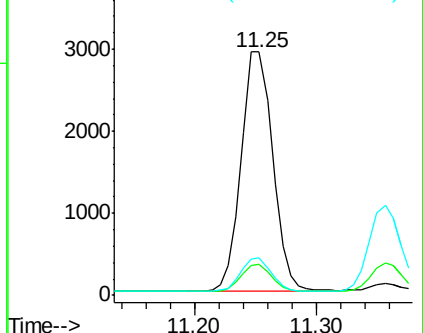
127 15.3 4.0 6.0#



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: 0.376 ng/ul

RT: 12.83 min Scan# 1966

Delta R.T. -0.01 min

Lab File: BE096089.D

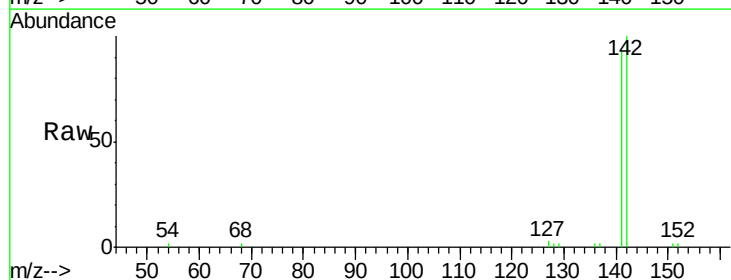
Acq: 23 Apr 2018 17:37

Tgt Ion:142 Resp: 3611

Ion Ratio Lower Upper

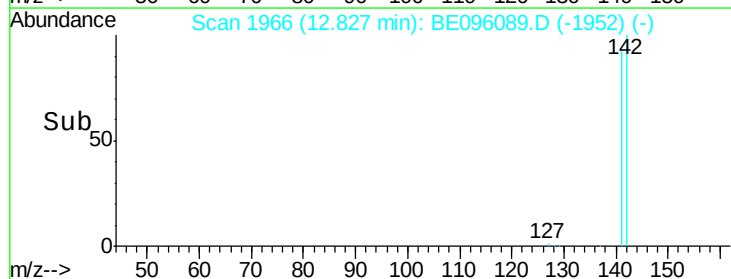
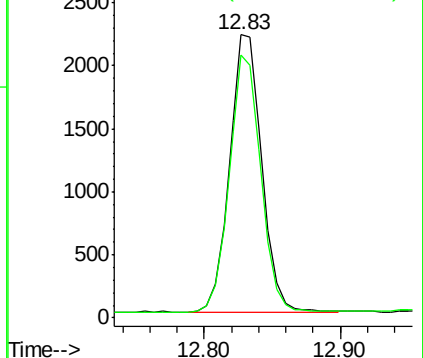
142 100

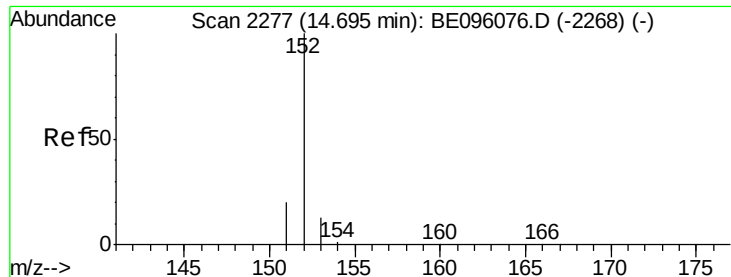
141 91.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.371 ng/ul

RT: 14.69 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BE096089.D

Acq: 23 Apr 2018 17:37

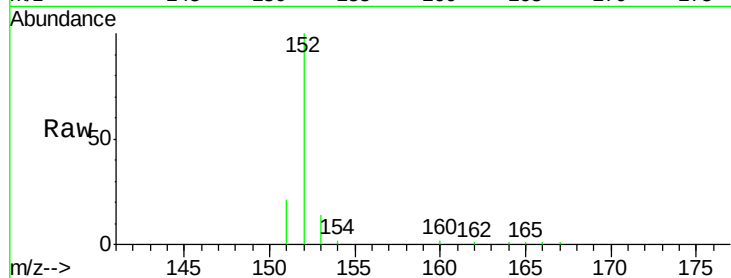
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 5400

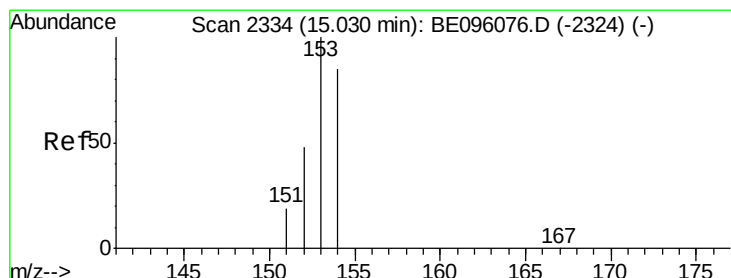
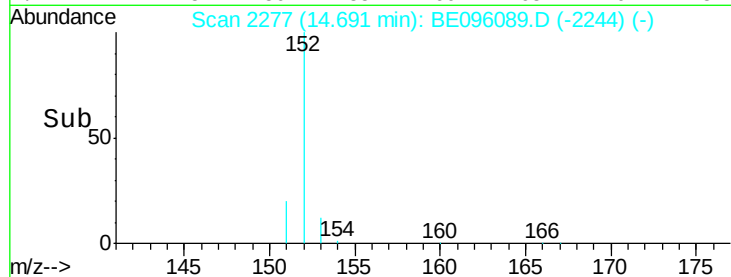
Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.1	25.7
153	13.6	12.8	19.2



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: 0.369 ng/ul

RT: 15.03 min Scan# 2334

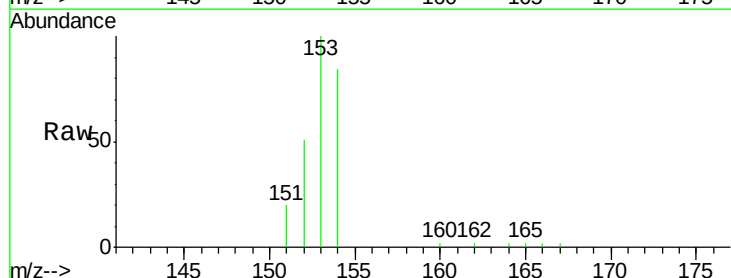
Delta R.T. -0.00 min

Lab File: BE096089.D

Acq: 23 Apr 2018 17:37

Tgt Ion:153 Resp: 3856

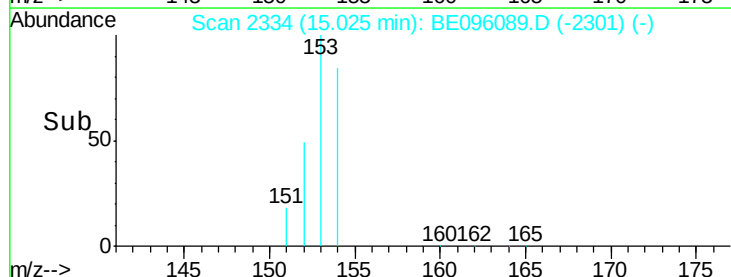
Ion	Ratio	Lower	Upper
153	100		
152	50.6	36.0	54.0
154	83.7	72.0	108.0

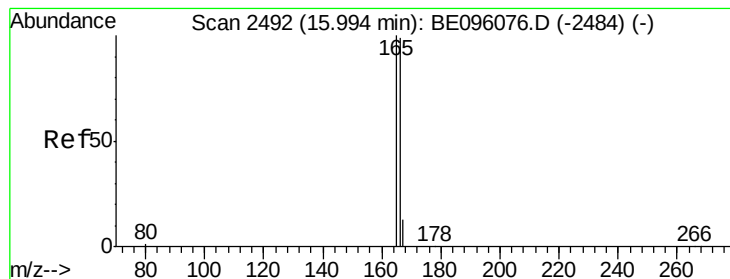


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.363 ng/ul

RT: 16.00 min Scan# 2493

Delta R.T. 0.00 min

Lab File: BE096089.D

Acq: 23 Apr 2018 17:37

Instrument :

BNA_E

ClientSampleId :

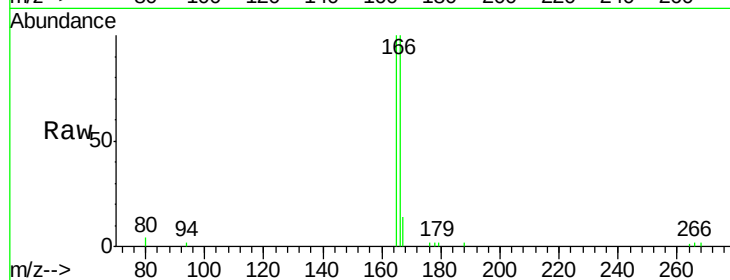
Tot Ion:166 Resp: 4279

Ion Ratio Lower Upper

166 100

165 99.8 73.4 110.2

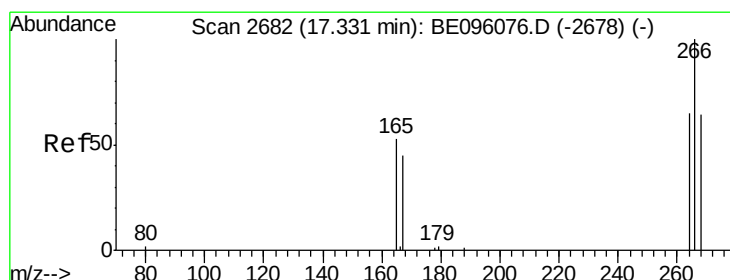
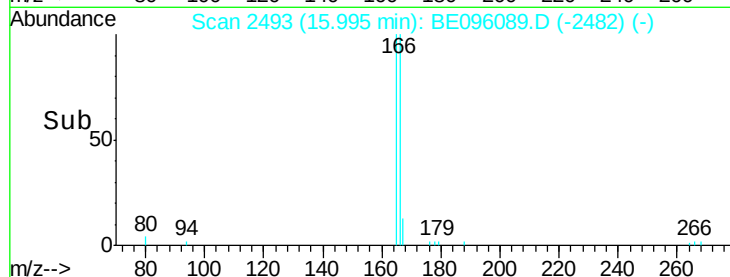
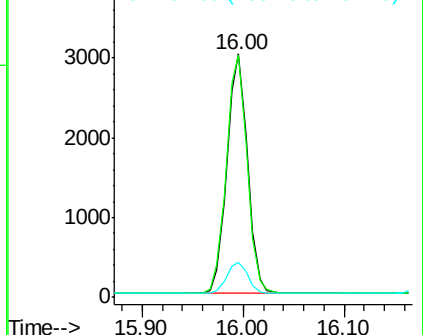
167 14.1 14.6 22.0#



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: 0.242 ng/ul

RT: 17.33 min Scan# 2683

Delta R.T. 0.00 min

Lab File: BE096089.D

Acq: 23 Apr 2018 17:37

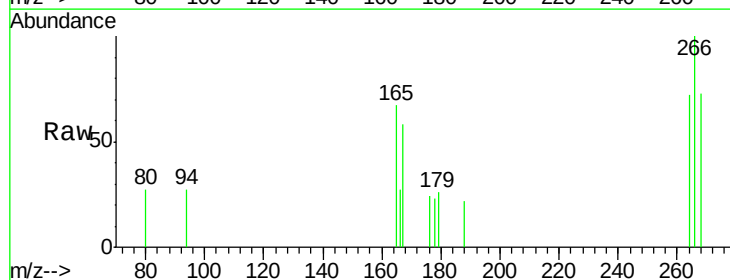
Tgt Ion:266 Resp: 322

Ion Ratio Lower Upper

266 100

264 64.0 47.9 71.9

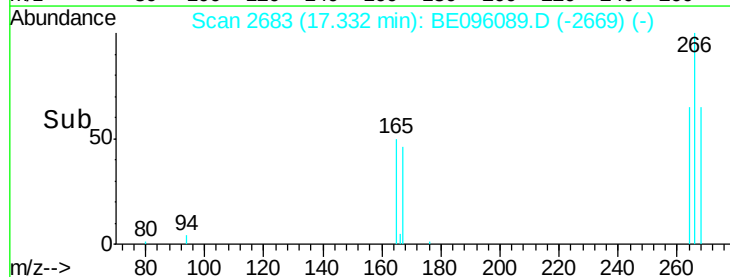
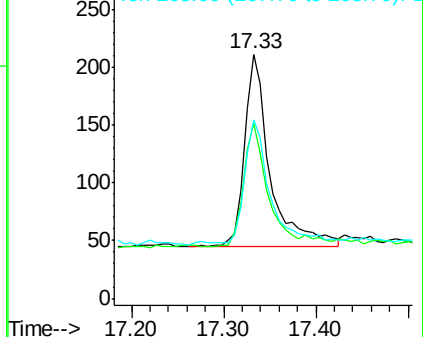
268 64.0 49.8 74.8

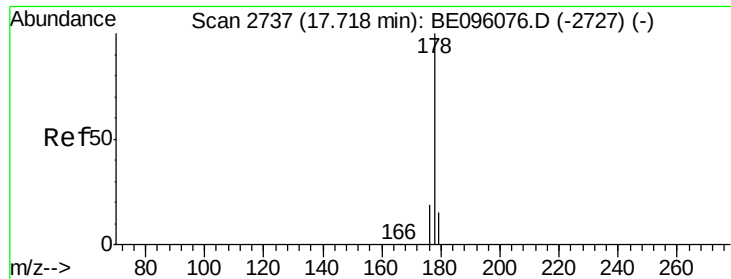


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.372 ng/ul

RT: 17.71 min Scan# 2737

Delta R.T. -0.01 min

Lab File: BE096089.D

Acq: 23 Apr 2018 17:37

Instrument :

BNA_E

ClientSampleId :

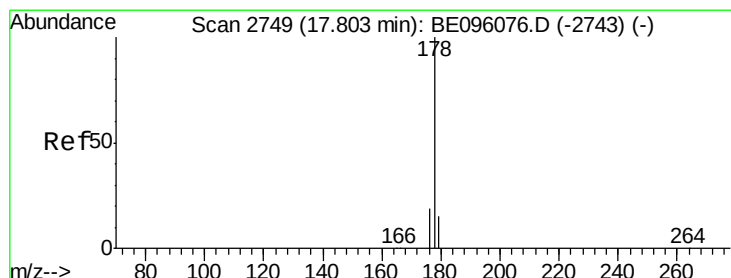
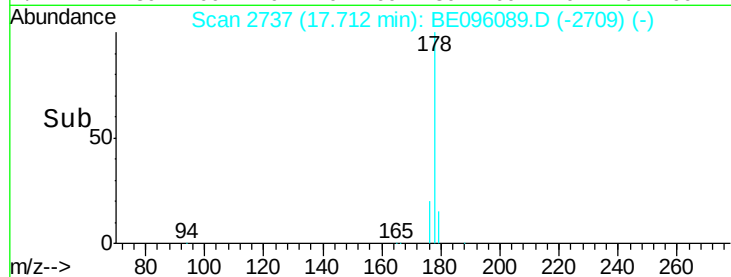
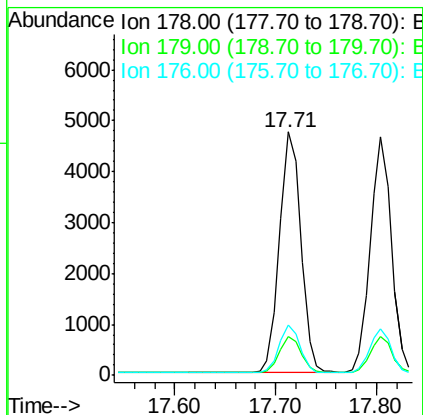
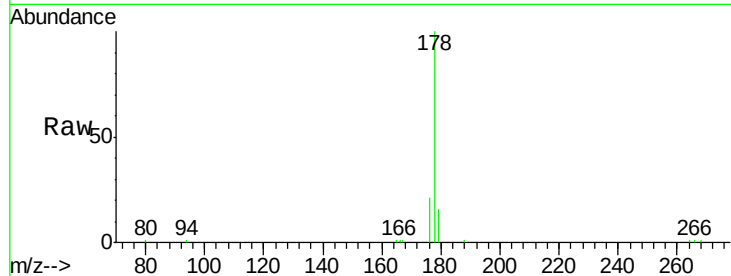
Tot Ion:178 Resp: 6912

Ion Ratio Lower Upper

178 100

179 15.7 18.4 27.6#

176 20.7 13.6 20.4#



#13

Anthracene

Concen: 0.364 ng/ul

RT: 17.80 min Scan# 2750

Delta R.T. 0.00 min

Lab File: BE096089.D

Acq: 23 Apr 2018 17:37

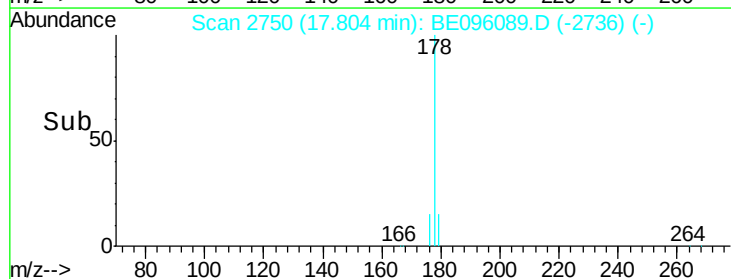
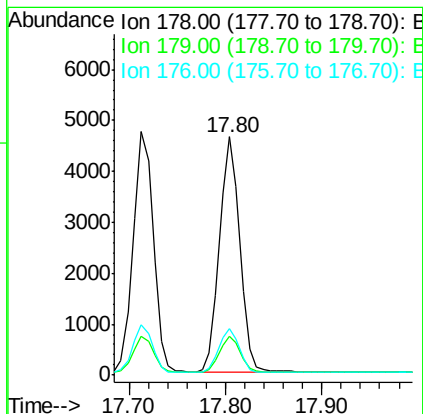
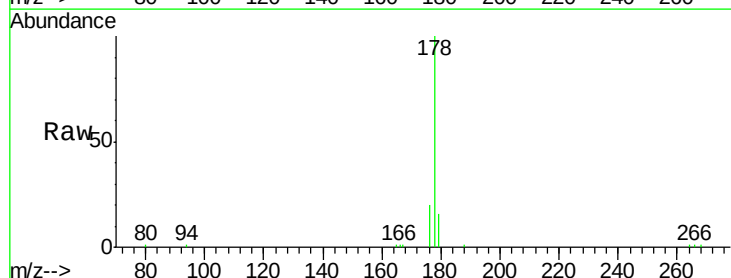
Tgt Ion:178 Resp: 6719

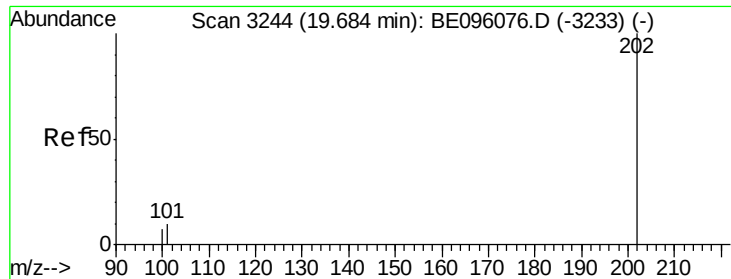
Ion Ratio Lower Upper

178 100

179 16.2 18.1 27.1#

176 19.7 14.7 22.1

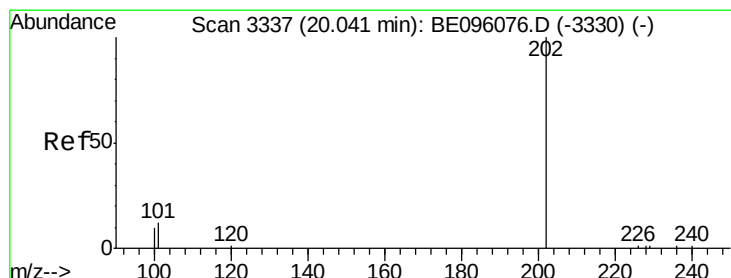
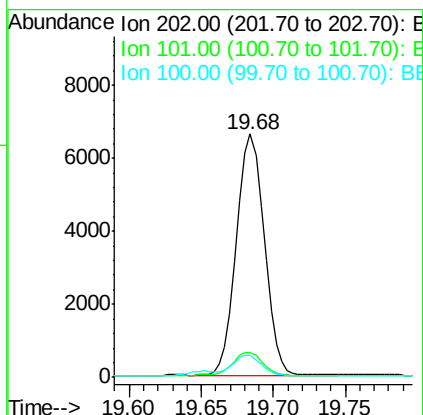
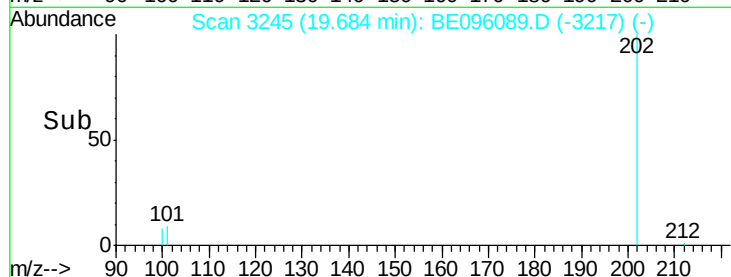
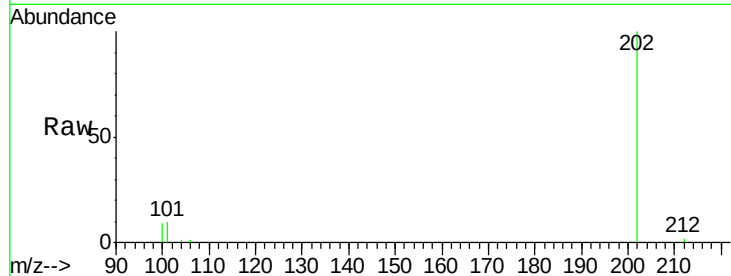




#15
Fluoranthene
 Concen: 0.343 ng/ul
 RT: 19.68 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: BE096089.D
 Acq: 23 Apr 2018 17:37

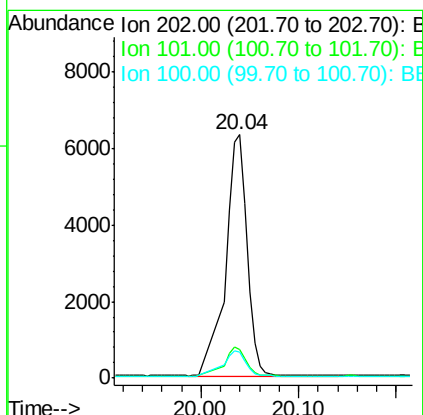
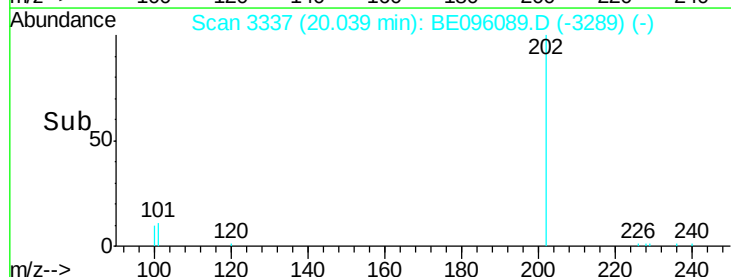
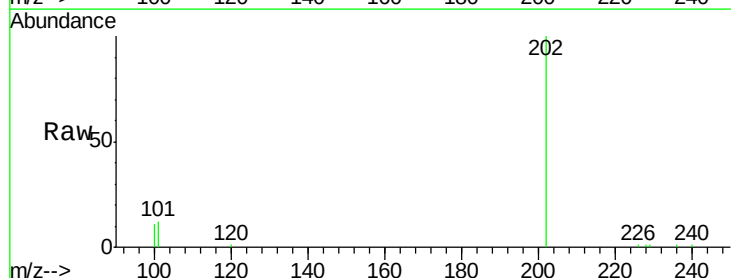
Instrument :
 BNA_E
 ClientSampleId :

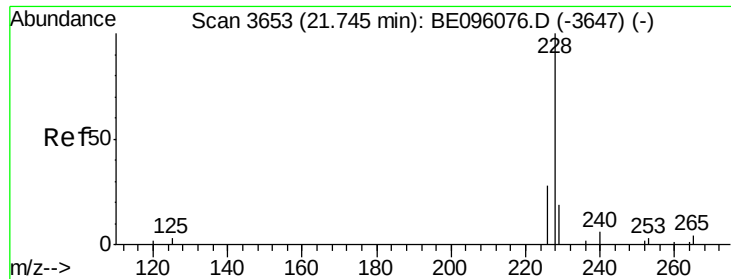
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.3
100	8.9	0.0	39.5



#17
Pyrene
 Concen: 0.357 ng/ul
 RT: 20.04 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: BE096089.D
 Acq: 23 Apr 2018 17:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	18.2	27.4#
100	10.6	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.338 ng/ul

RT: 21.74 min Scan# 3653

Delta R.T. -0.00 min

Lab File: BE096089.D

Acq: 23 Apr 2018 17:37

Instrument :

BNA_E

ClientSampleId :

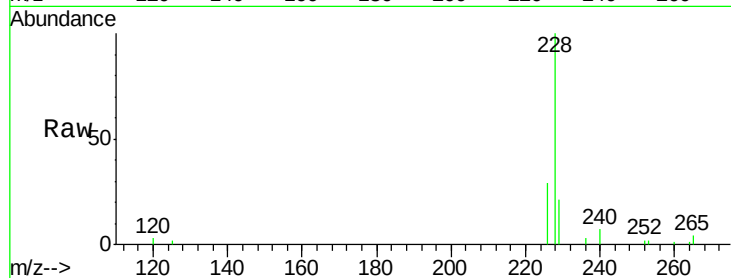
Tot Ion:228 Resp: 10658

Ion Ratio Lower Upper

228 100

229 21.1 22.8 34.2#

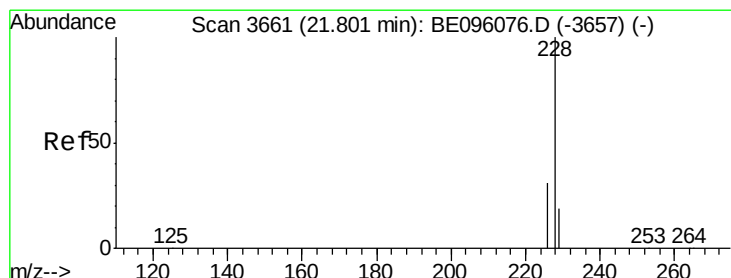
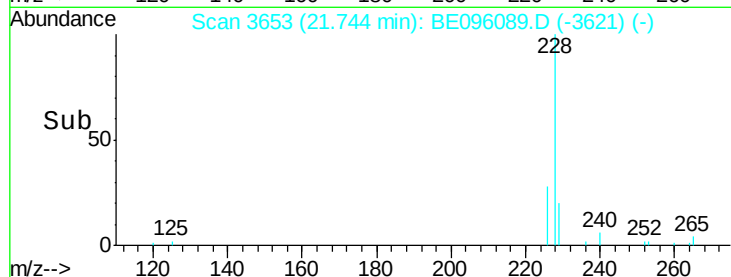
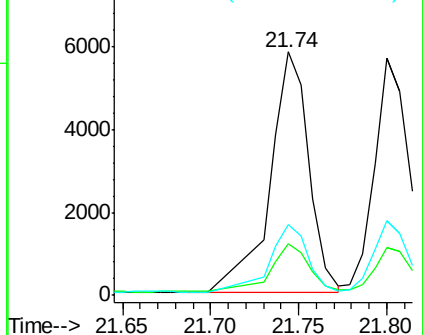
226 29.2 17.0 25.6#



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: 0.340 ng/ul

RT: 21.80 min Scan# 3661

Delta R.T. -0.00 min

Lab File: BE096089.D

Acq: 23 Apr 2018 17:37

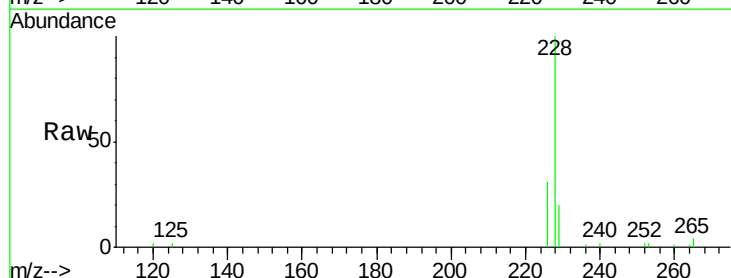
Tgt Ion:228 Resp: 7717

Ion Ratio Lower Upper

228 100

226 31.4 23.4 35.0

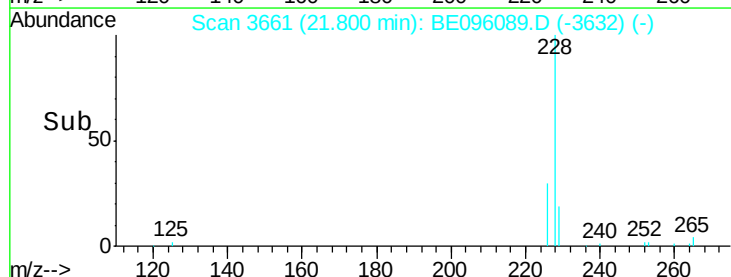
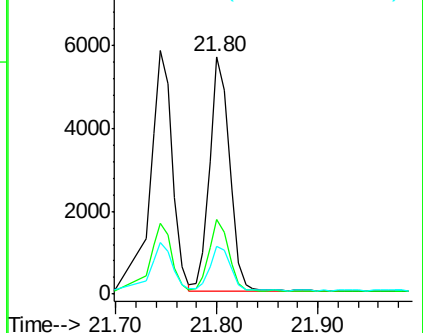
229 20.3 17.7 26.5

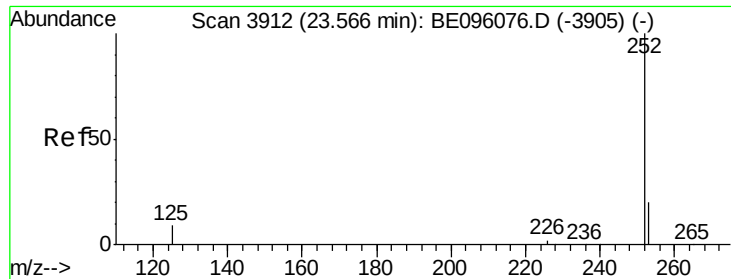


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

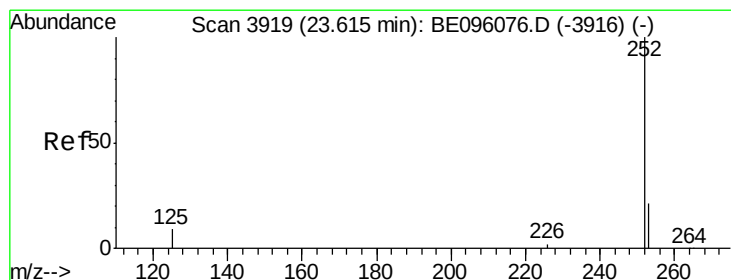
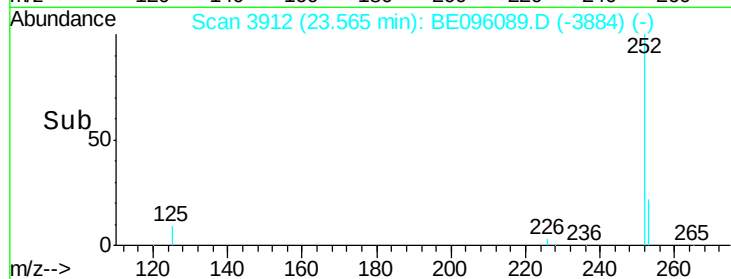
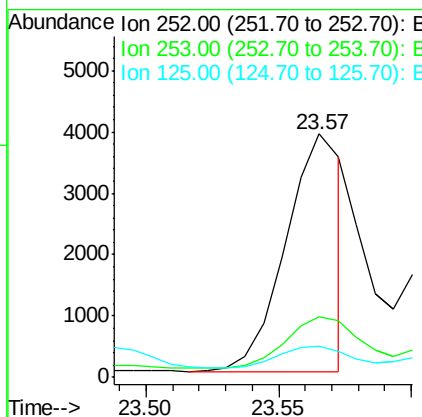
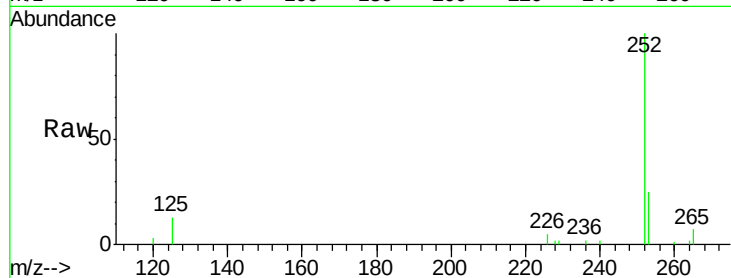




#21
Benzo(b)fluoranthene
Concen: 3.540 ng/ul
RT: 23.57 min Scan# 3912
Delta R.T. -0.00 min
Lab File: BE096089.D
Acq: 23 Apr 2018 17:37

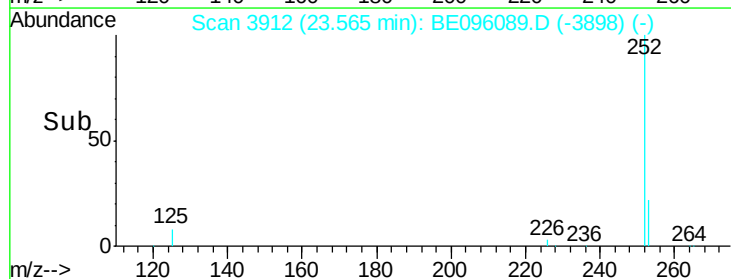
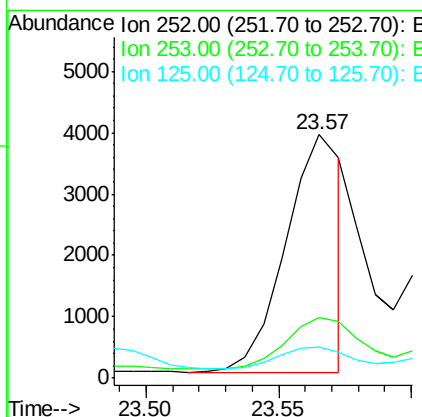
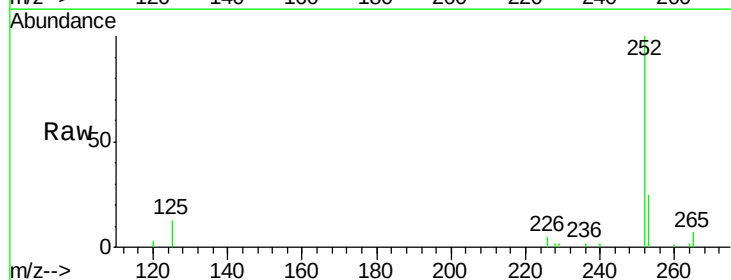
Instrument :
BNA_E
ClientSampleId :

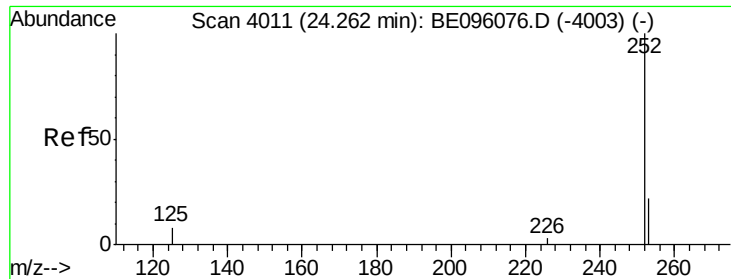
Tot Ion:252 Resp: 5681
Ion Ratio Lower Upper
252 100
253 25.0 0.0 64.2
125 12.7 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 3.553 ng/ul
RT: 23.57 min Scan# 3912
Delta R.T. -0.05 min
Lab File: BE096089.D
Acq: 23 Apr 2018 17:37

Tgt Ion:252 Resp: 5681
Ion Ratio Lower Upper
252 100
253 25.0 24.5 36.7
125 12.7 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.077 ng/ul

RT: 24.18 min Scan# 4000

Delta R.T. -0.08 min

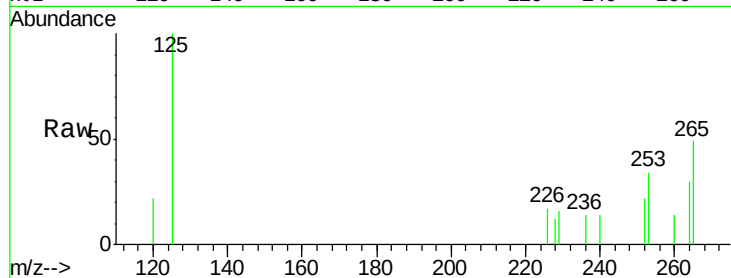
Lab File: BE096089.D

Acq: 23 Apr 2018 17:37

Instrument :

BNA_E

ClientSampleId :



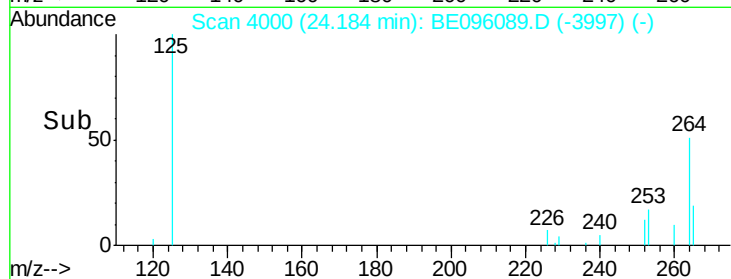
Tot Ion: 252 Resp: 119

Ion Ratio Lower Upper

252 100

253 157.3 28.5 42.7#

125 464.1 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

