

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071718\
 Data File : BE096960.D
 Acq On : 17 Jul 2018 16:06
 Operator : SJ/JU
 Sample : J3986-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DB1C4

Quant Time: Jul 18 10:50:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE071718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 03:13:50 2018
 Response via : Initial Calibration

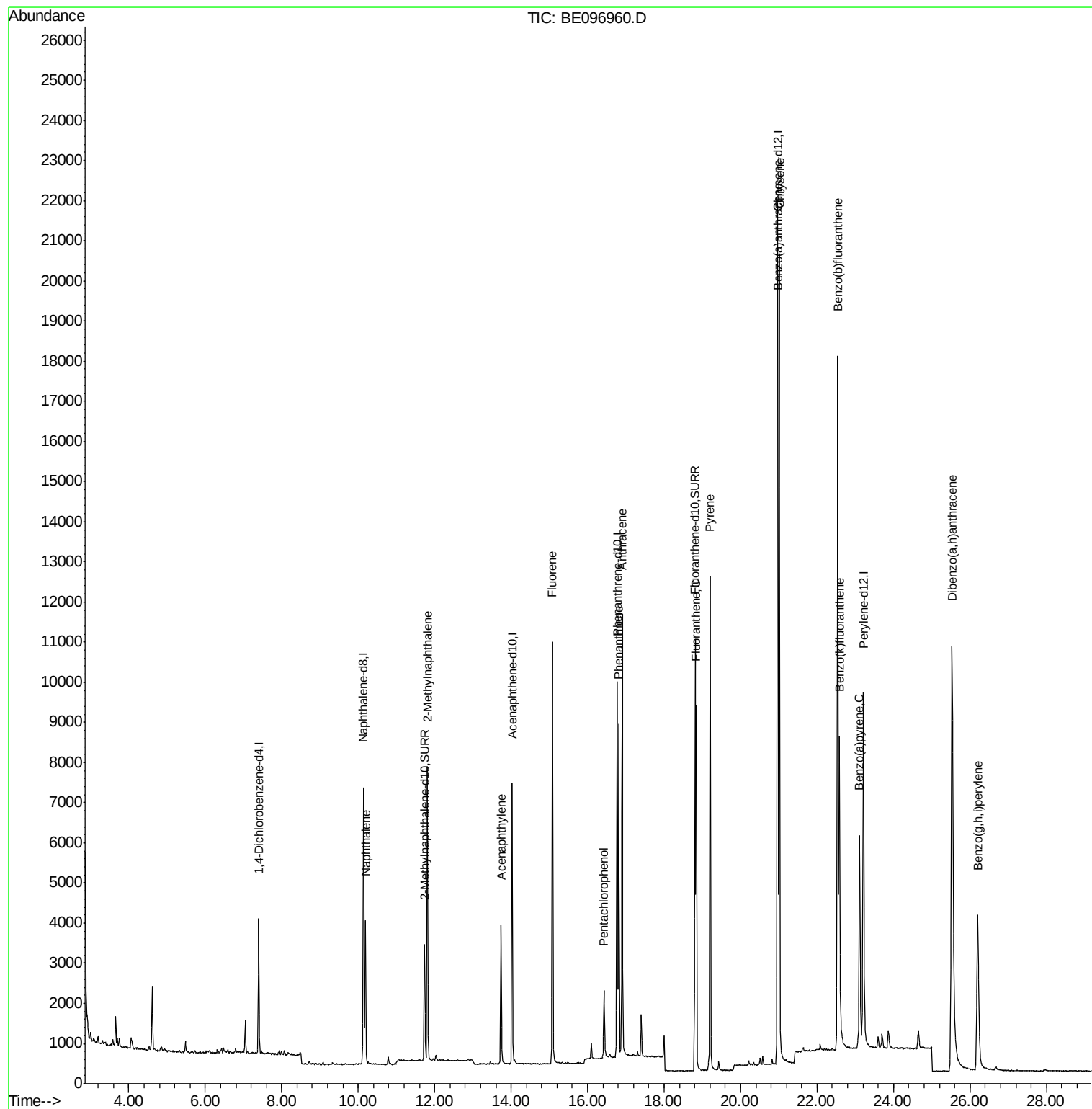
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	1559	0.40	ng/ul	0.00
2) Naphthalene-d8	10.14	136	7130	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.03	164	3726	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	10977	0.40	ng/ul	0.00
16) Chrysene-d12	20.98	240	12329	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	11996	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.74	152	3896	0.34	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	12023	0.36	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.19	128	5272	0.305	ng/ul#	93
5) 2-Methylnaphthalene	11.81	142	6310	0.553	ng/ul	98
7) Acenaphthylene	13.74	152	4133	0.254	ng/ul	98
9) Fluorene	15.08	166	6777	0.506	ng/ul	91
11) Pentachlorophenol	16.43	266	914	0.737	ng/ul	97
12) Phenanthrene	16.82	178	8790	0.305	ng/ul#	89
13) Anthracene	16.91	178	12558	0.499	ng/ul#	93
15) Fluoranthene	18.84	202	10026	0.264	ng/ul	84
17) Pyrene	19.21	202	13453	0.377	ng/ul#	81
18) Benzo(a)anthracene	20.96	228	14730	0.451	ng/ul#	85
19) Chrysene	21.02	228	16845	0.455	ng/ul	99
21) Benzo(b)fluoranthene	22.54	252	22854	0.671	ng/ul	83
22) Benzo(k)fluoranthene	22.58	252	11427	0.325	ng/ul#	85
23) Benzo(a)pyrene	23.11	252	8910	0.298	ng/ul#	79
25) Dibenzo(a,h)anthracene	25.53	278	21314	0.762	ng/ul#	87
26) Benzo(a,h,i)perylene	26.20	276	9664	0.323	ng/ul	96

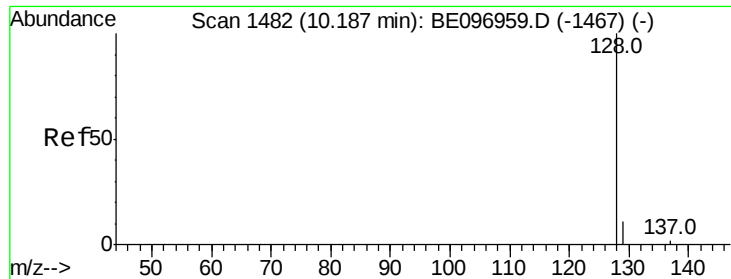
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.305 ng/ul

RT: 10.19 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE096960.D

Acq: 17 Jul 2018 16:06

Instrument :

BNA_E

ClientSampleId :

DB1C4

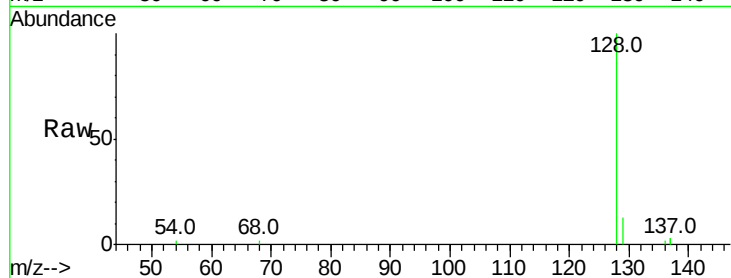
Tot Ion:128 Resp: 5272

Ion Ratio Lower Upper

128 100

129 12.6 11.3 16.9

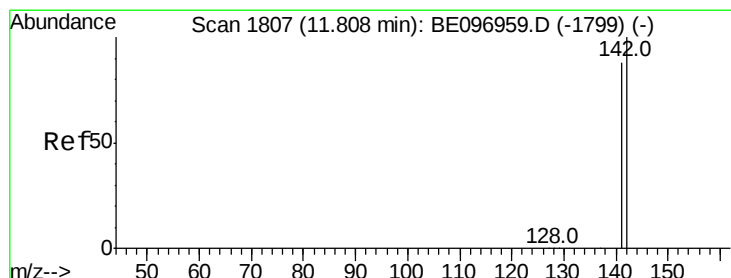
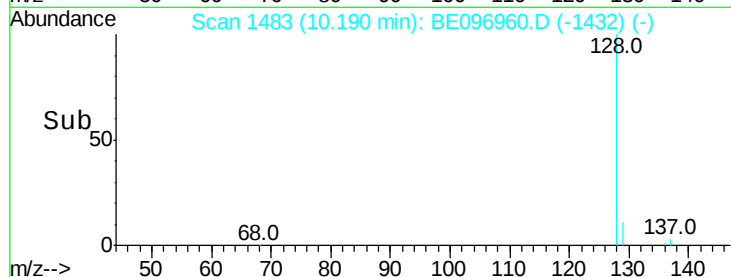
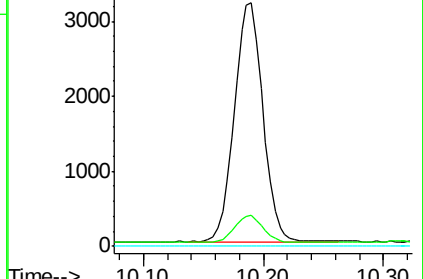
127 0.0 4.0 6.0#



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: 0.553 ng/ul

RT: 11.81 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BE096960.D

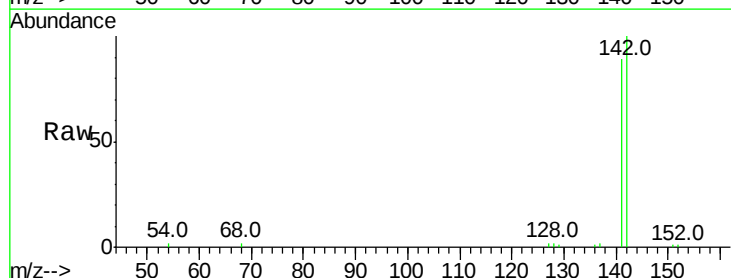
Acq: 17 Jul 2018 16:06

Tgt Ion:142 Resp: 6310

Ion Ratio Lower Upper

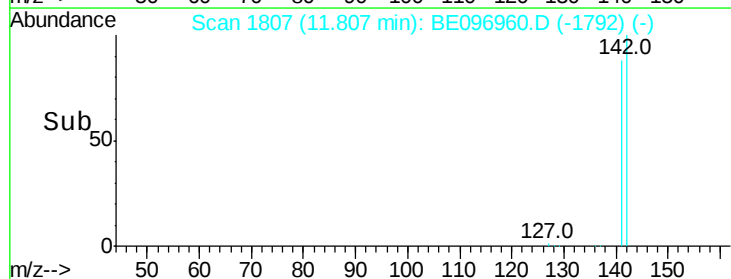
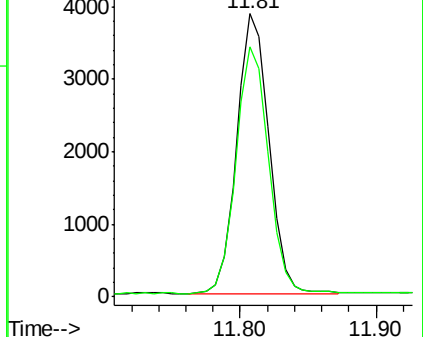
142 100

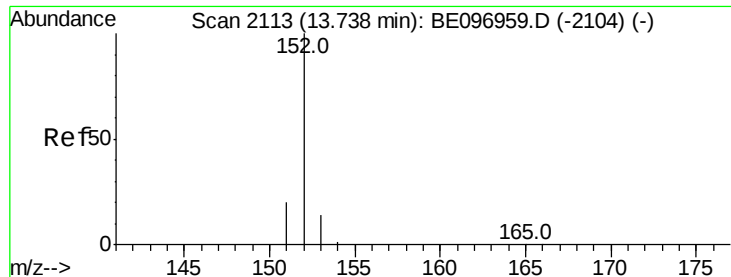
141 88.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.254 ng/ul

RT: 13.74 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BE096960.D

Acq: 17 Jul 2018 16:06

Instrument :

BNA_E

ClientSampleId :

DB1C4

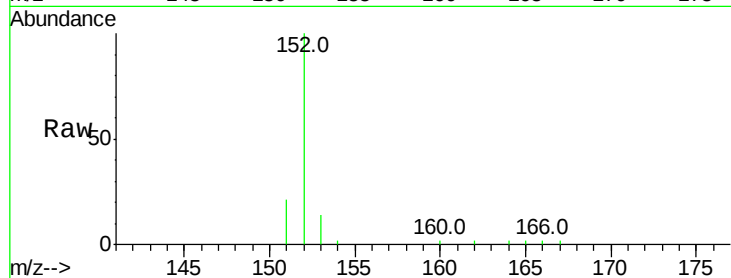
Tot Ion:152 Resp: 4133

Ion Ratio Lower Upper

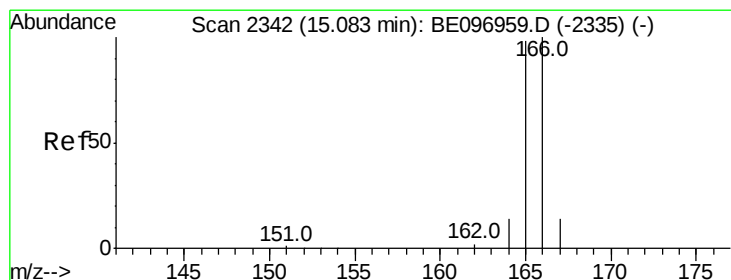
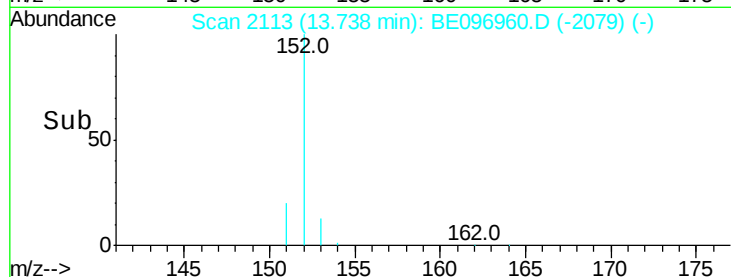
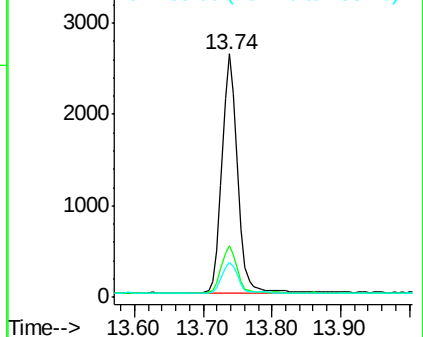
152 100

151 21.0 17.1 25.7

153 14.3 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



#9

Fluorene

Concen: 0.506 ng/ul

RT: 15.08 min Scan# 2342

Delta R.T. -0.00 min

Lab File: BE096960.D

Acq: 17 Jul 2018 16:06

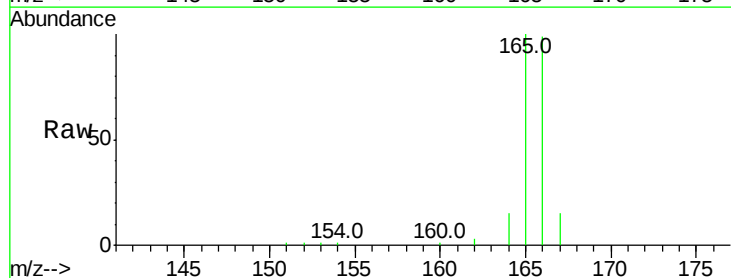
Tgt Ion:166 Resp: 6777

Ion Ratio Lower Upper

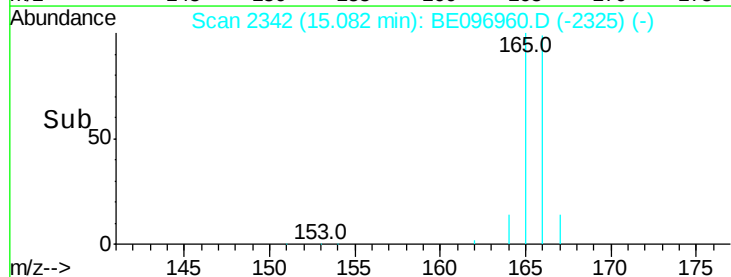
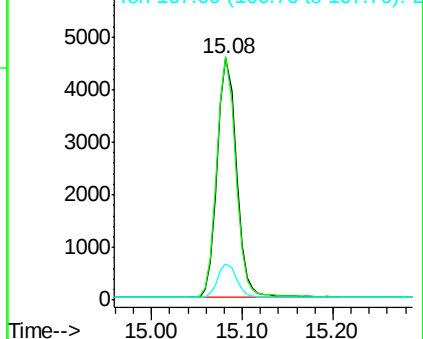
166 100

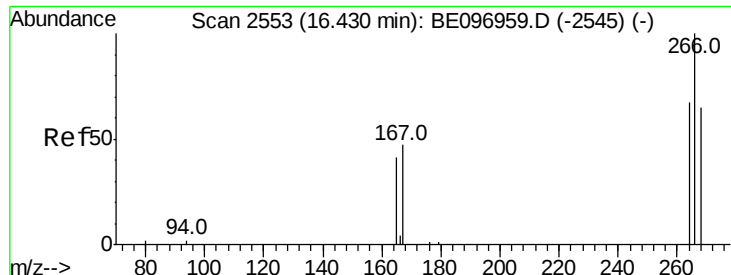
165 100.5 73.4 110.2

167 14.7 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

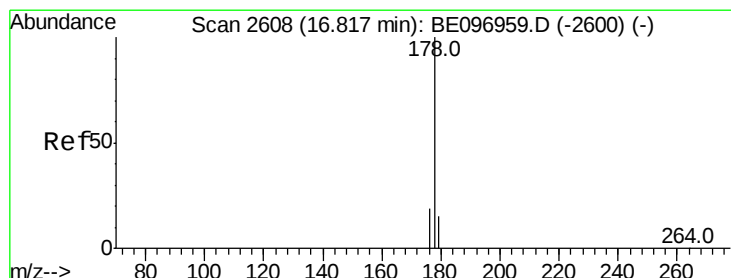
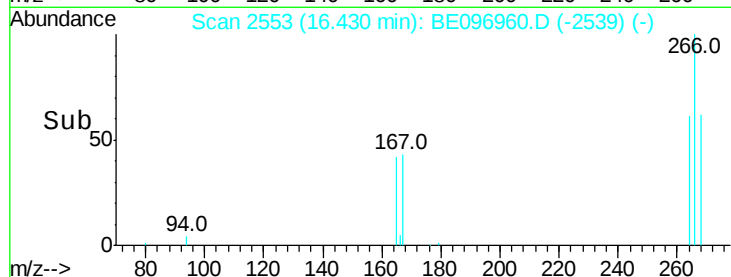
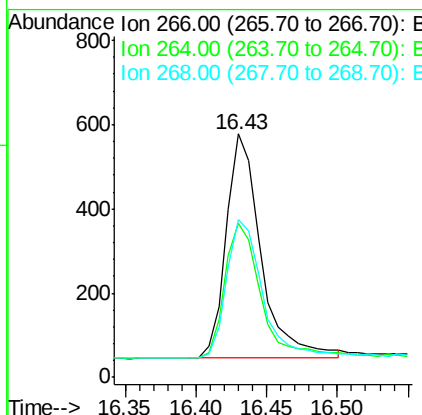
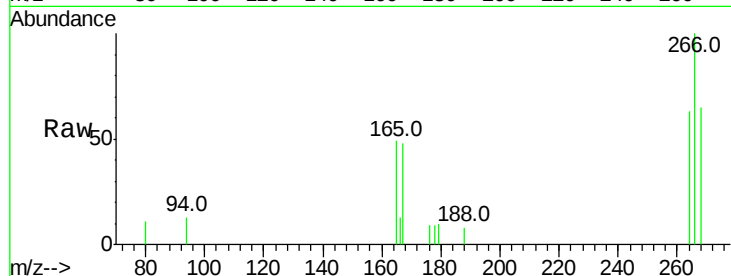




#11
 Pentachlorophenol
 Concen: 0.737 ng/ul
 RT: 16.43 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: BE096960.D
 Acq: 17 Jul 2018 16:06

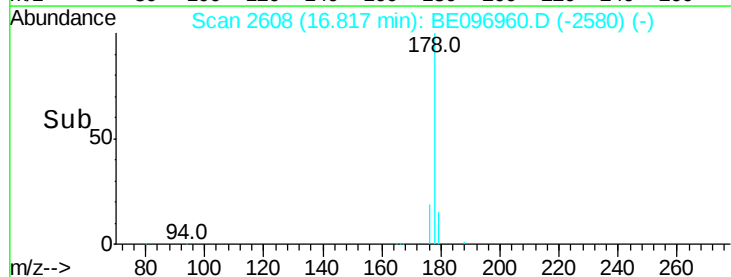
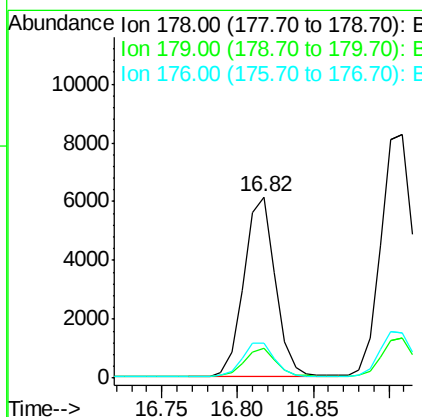
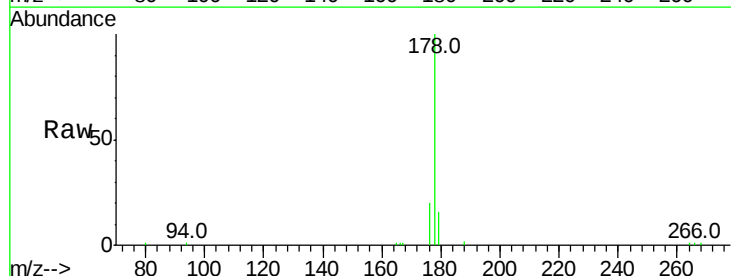
Instrument :
 BNA_E
 ClientSampleId :
 DB1C4

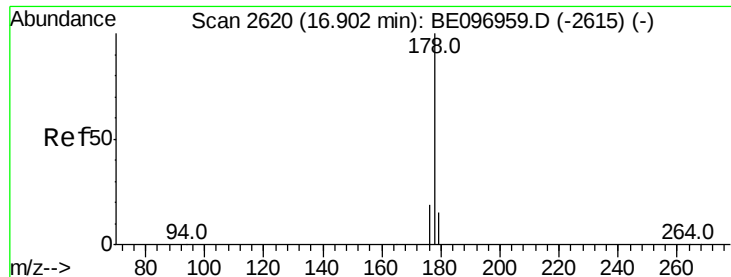
Tot Ion:266 Resp: 914
 Ion Ratio Lower Upper
 266 100
 264 62.3 47.9 71.9
 268 64.1 49.8 74.8



#12
 Phenanthrene
 Concen: 0.305 ng/ul
 RT: 16.82 min Scan# 2608
 Delta R.T. -0.00 min
 Lab File: BE096960.D
 Acq: 17 Jul 2018 16:06

Tgt Ion:178 Resp: 8790
 Ion Ratio Lower Upper
 178 100
 179 16.3 18.4 27.6#
 176 19.6 13.6 20.4





#13

Anthracene

Concen: 0.499 ng/ul

RT: 16.91 min Scan# 2621

Delta R.T. 0.01 min

Lab File: BE096960.D

Acq: 17 Jul 2018 16:06

Instrument :

BNA_E

ClientSampleId :

DB1C4

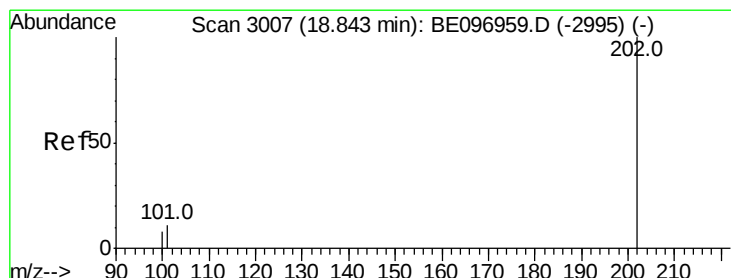
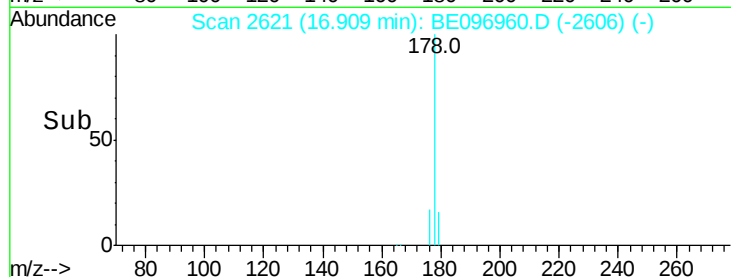
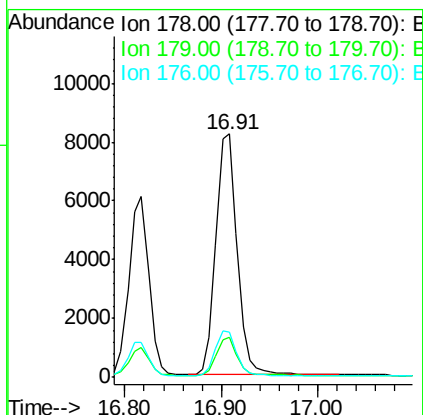
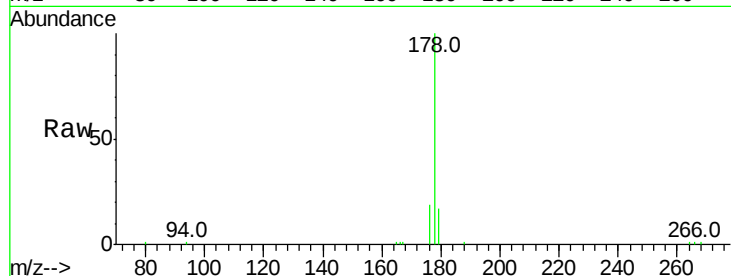
Tot Ion:178 Resp: 12558

Ion Ratio Lower Upper

178 100

179 16.5 18.1 27.1#

176 18.5 14.7 22.1



#15

Fluoranthene

Concen: 0.264 ng/ul

RT: 18.84 min Scan# 3007

Delta R.T. -0.00 min

Lab File: BE096960.D

Acq: 17 Jul 2018 16:06

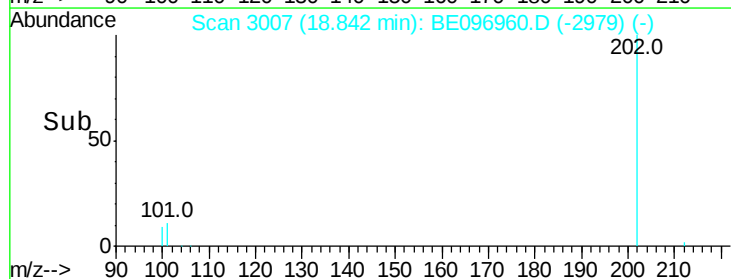
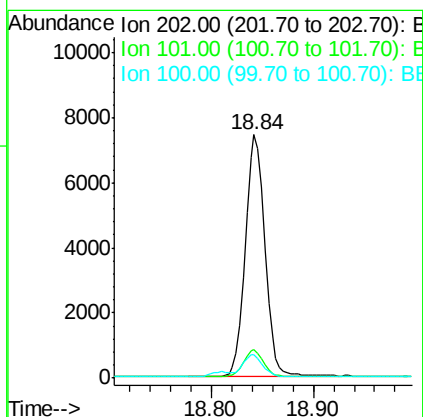
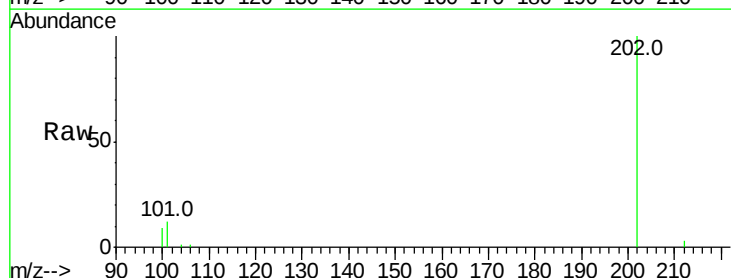
Tgt Ion:202 Resp: 10026

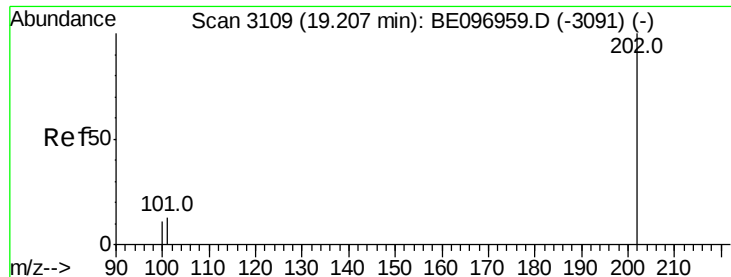
Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.3

100 9.5 0.0 39.5

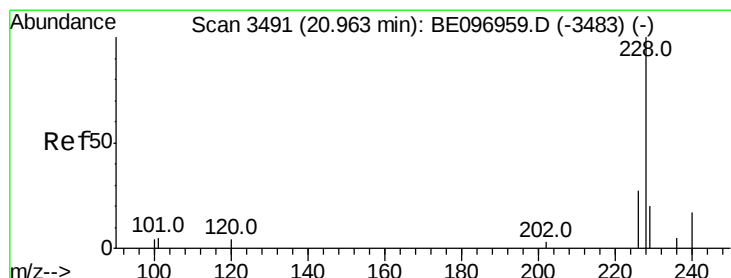
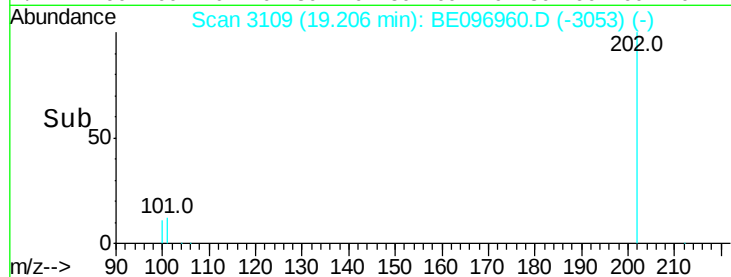
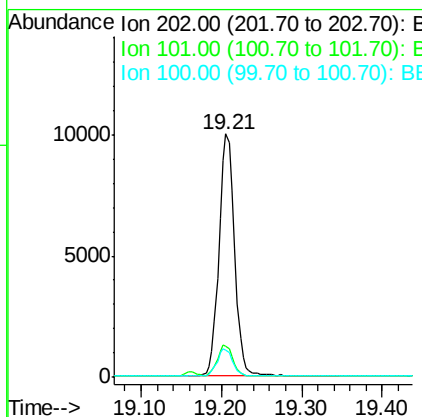
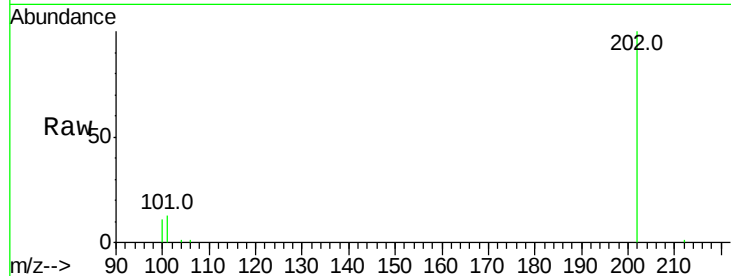




#17
Pvrene
Concen: 0.377 ng/ul
RT: 19.21 min Scan# 3109
Delta R.T. -0.00 min
Lab File: BE096960.D
Acq: 17 Jul 2018 16:06

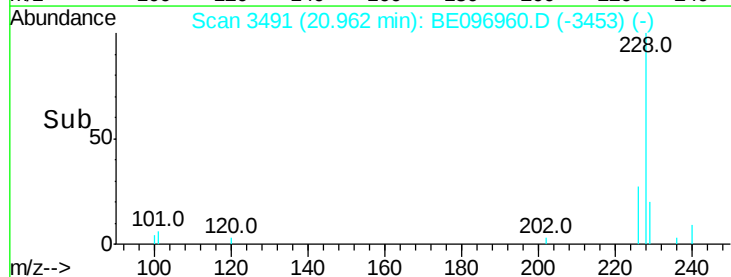
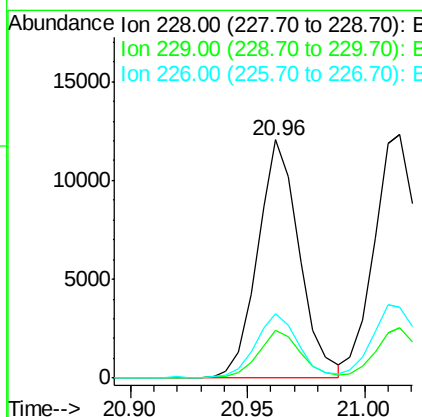
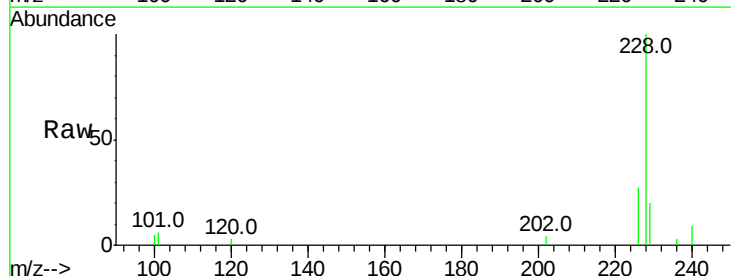
Instrument :
BNA_E
ClientSampleId :
DB1C4

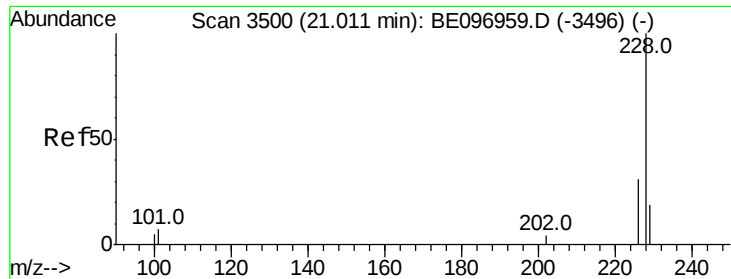
Tot Ion:202 Resp: 13453
Ion Ratio Lower Upper
202 100
101 13.0 18.2 27.4#
100 11.1 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 0.451 ng/ul
RT: 20.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: BE096960.D
Acq: 17 Jul 2018 16:06

Tgt Ion:228 Resp: 14730
Ion Ratio Lower Upper
228 100
229 19.8 22.8 34.2#
226 27.1 17.0 25.6#





#19

Chrysene

Concen: 0.455 ng/ul

RT: 21.02 min Scan# 3501

Delta R.T. 0.00 min

Lab File: BE096960.D

Acq: 17 Jul 2018 16:06

Instrument :

BNA_E

ClientSampleId :

DB1C4

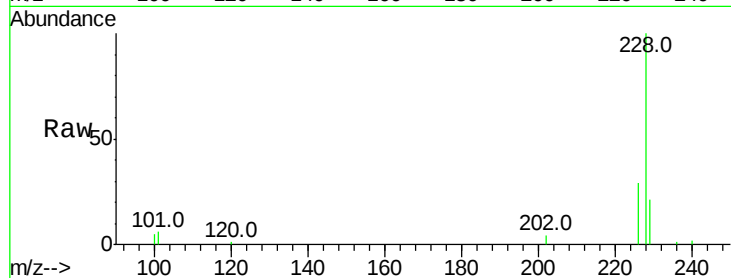
Tot Ion:228 Resp: 16845

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.0

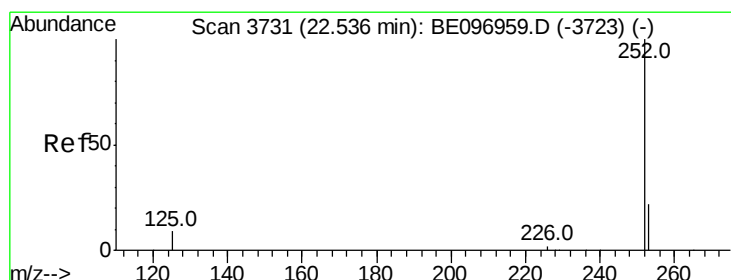
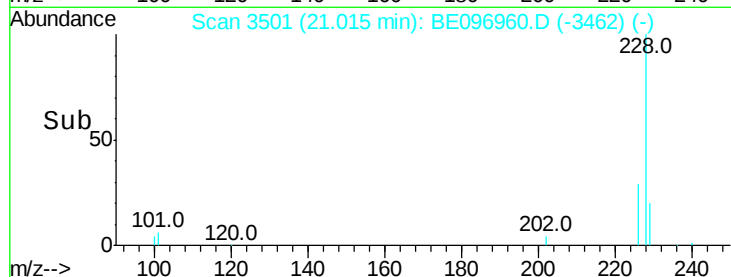
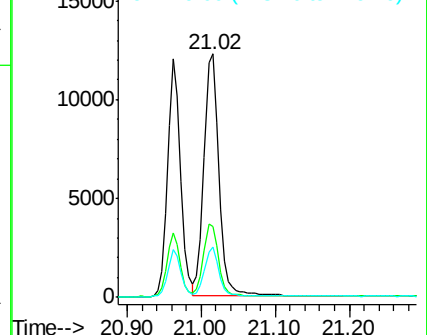
229 20.6 17.7 26.5



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: 0.671 ng/ul

RT: 22.54 min Scan# 3731

Delta R.T. -0.00 min

Lab File: BE096960.D

Acq: 17 Jul 2018 16:06

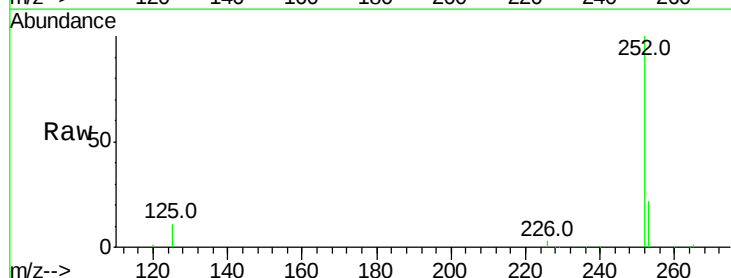
Tgt Ion:252 Resp: 22854

Ion Ratio Lower Upper

252 100

253 22.3 0.0 64.2

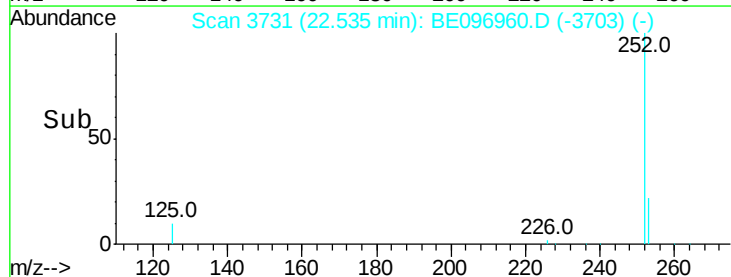
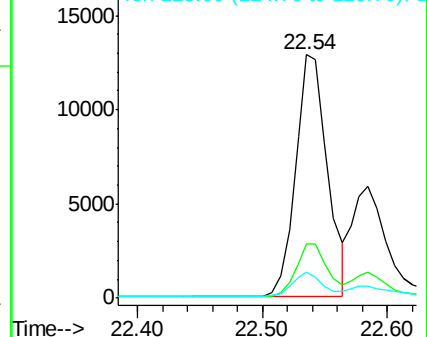
125 10.5 0.0 35.0

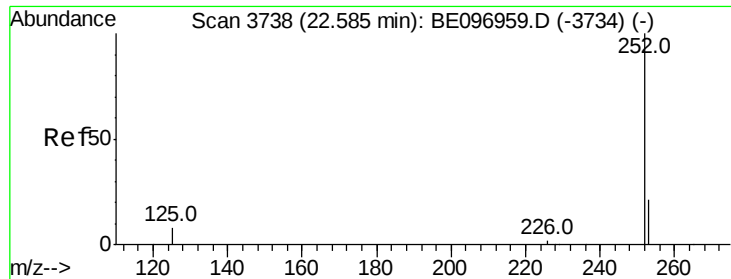


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.325 ng/ul

RT: 22.58 min Scan# 3738

Delta R.T. -0.00 min

Lab File: BE096960.D

Acq: 17 Jul 2018 16:06

Instrument :

BNA_E

ClientSampleId :

DB1C4

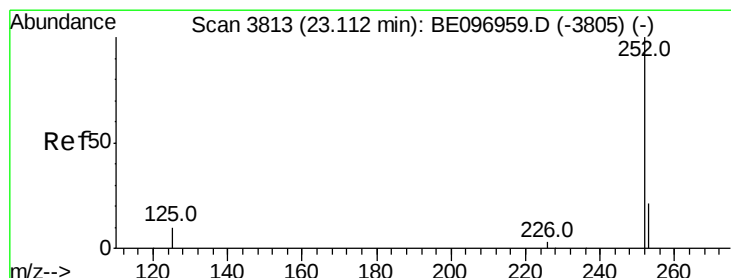
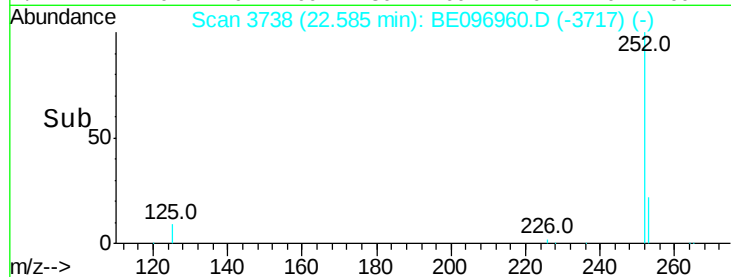
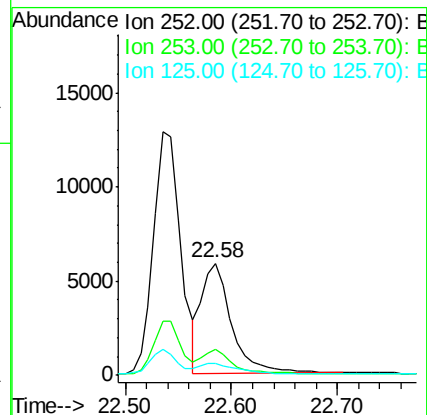
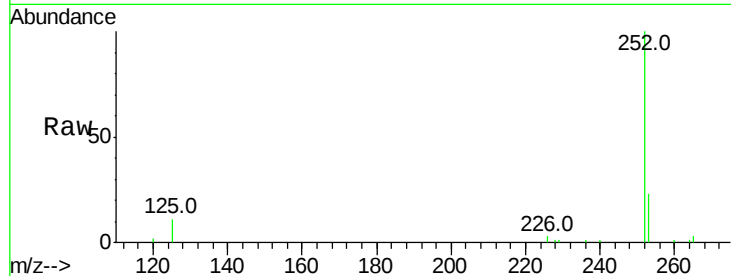
Tot Ion:252 Resp: 11427

Ion Ratio Lower Upper

252 100

253 22.7 24.5 36.7#

125 10.5 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 0.298 ng/ul

RT: 23.11 min Scan# 3813

Delta R.T. -0.00 min

Lab File: BE096960.D

Acq: 17 Jul 2018 16:06

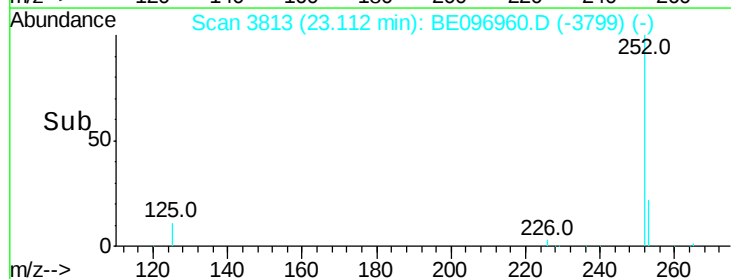
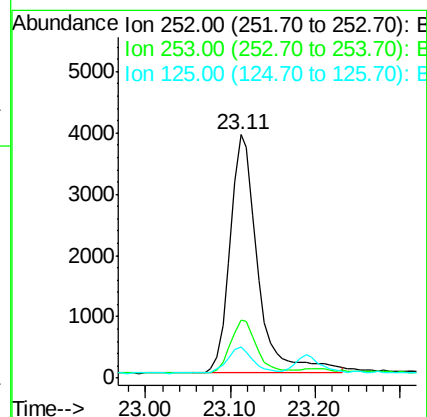
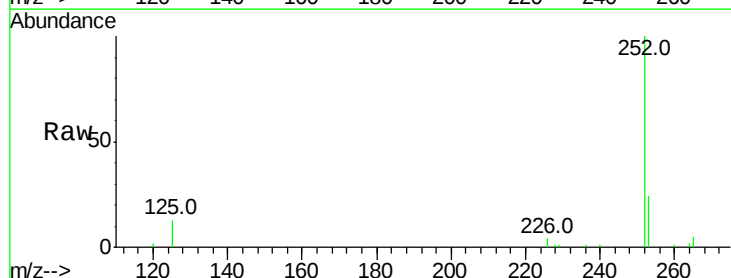
Tgt Ion:252 Resp: 8910

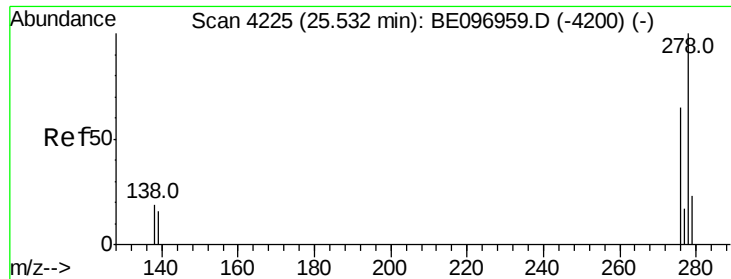
Ion Ratio Lower Upper

252 100

253 23.6 28.5 42.7#

125 12.6 18.1 27.1#

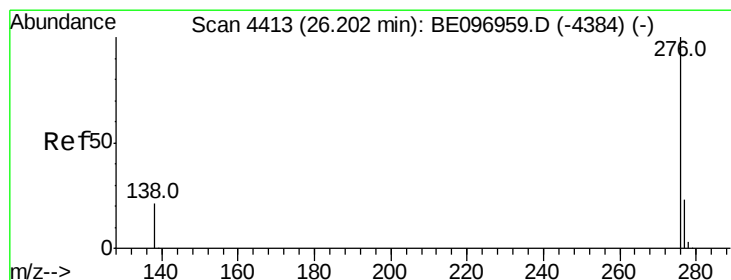
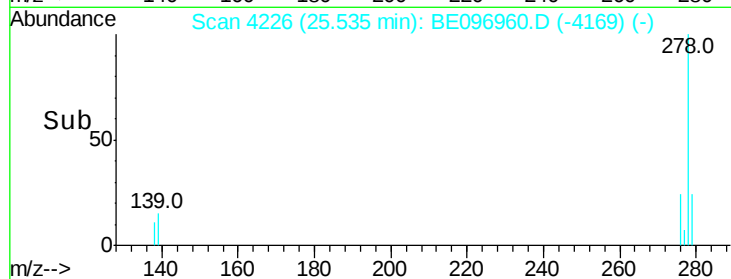
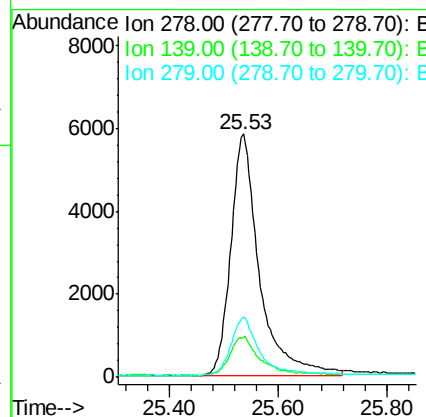
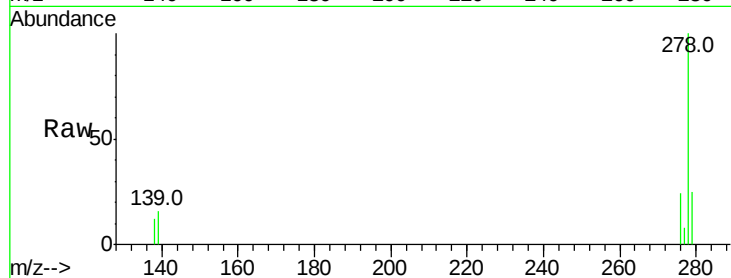




#25
Dibenzo(a,h)anthracene
Concen: 0.762 ng/ul
RT: 25.53 min Scan# 4226
Delta R.T. 0.00 min
Lab File: BE096960.D
Acq: 17 Jul 2018 16:06

Instrument :
BNA_E
ClientSampleId :
DB1C4

Tot Ion:278 Resp: 21314
Ion Ratio Lower Upper
278 100
139 16.3 17.4 26.0#
279 24.7 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.323 ng/ul
RT: 26.20 min Scan# 4413
Delta R.T. -0.00 min
Lab File: BE096960.D
Acq: 17 Jul 2018 16:06

Tgt Ion:276 Resp: 9664
Ion Ratio Lower Upper
276 100
138 23.4 21.8 32.8
277 25.4 20.5 30.7

