

Data File : BE098591.D
Acq On : 29 Dec 2018 1:26
Operator : SJ/JU
Sample : J6489-09DL 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F9F86DL

Quant Time: Dec 29 02:49:44 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE122818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 29 02:46:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	976	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	4451	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	3114	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.33	188	81428	0.40	ng/ul	0.10
16) Chrysene-d12	21.58	240	67	0.40	ng/ul	0.17
20) Perylene-d12	24.09	264	293	0.40	ng/ul	0.17

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.20	152	420	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.35	212	703	0.00	ng/ul	0.09

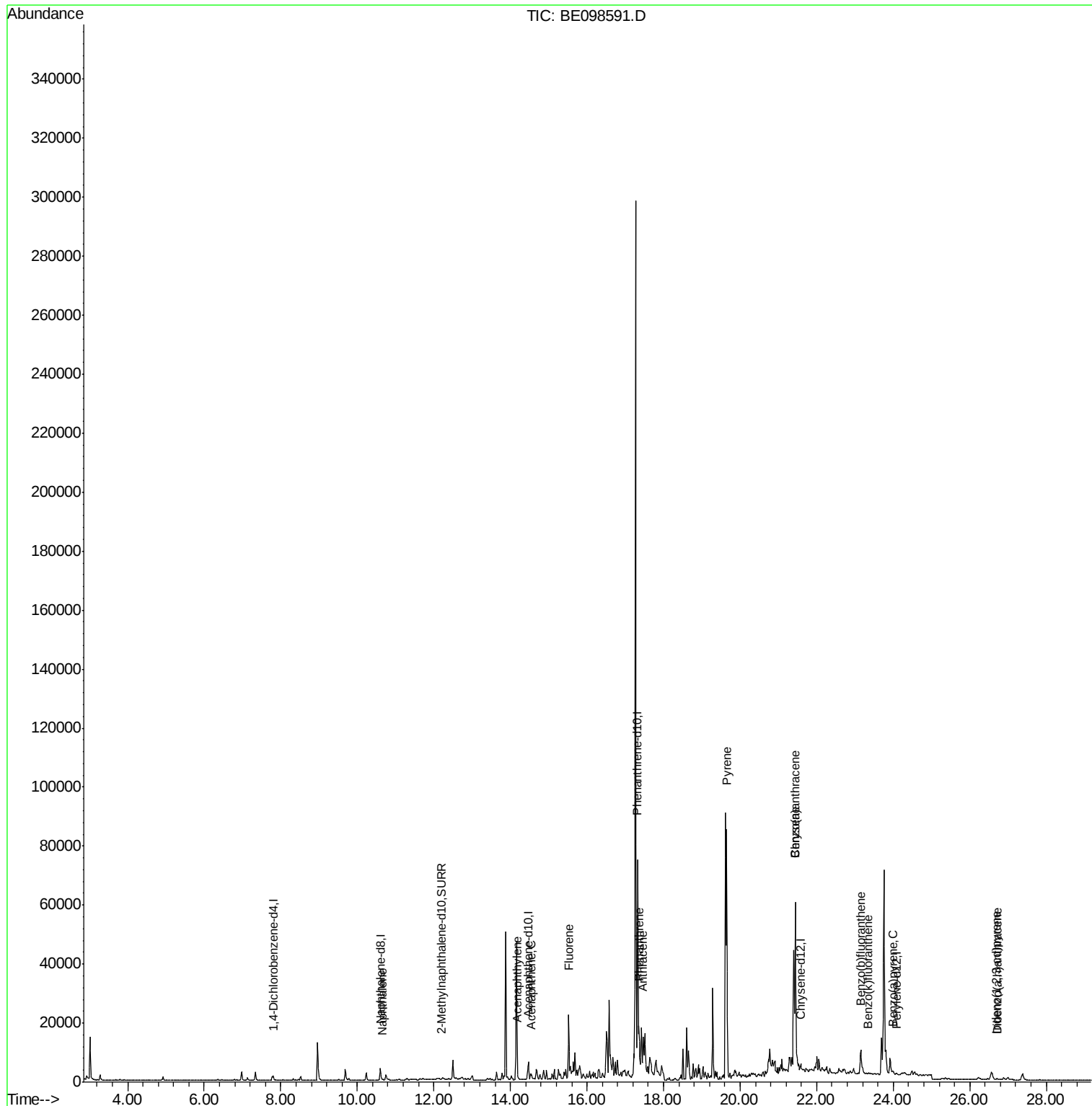
Target Compounds				Qvalue		
3) Naphthalene	10.65	128	375	0.031	ng/ul#	1
7) Acenaphthylene	14.19	152	324	0.024	ng/ul#	1
8) Acenaphthene	14.53	153	1505	0.143	ng/ul	96
9) Fluorene	15.52	166	13797	1.106	ng/ul	97
12) Phenanthrene	17.36	178	14863	0.068	ng/ul	97
13) Anthracene	17.47	178	3685	0.020	ng/ul#	1
17) Pyrene	19.65	202	95499	445.745	ng/ul	98
18) Benzo(a)anthracene	21.45	228	64855	331.668	ng/ul	94
19) Chrysene	21.45	228	47123	194.424	ng/ul	97
21) Benzo(b)fluoranthene	23.15	252	14708	16.398	ng/ul	89
22) Benzo(k)fluoranthene	23.35	252	1195	1.215	ng/ul#	1
23) Benzo(a)pyrene	23.98	252	912	1.043	ng/ul#	4
24) Indeno(1,2,3-cd)pyrene	26.70	276	179	0.178	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.72	278	554	0.677	ng/ul#	1

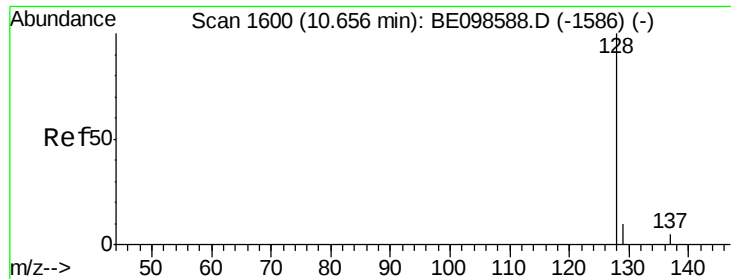
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.031 ng/ul

RT: 10.65 min Scan# 1600

Delta R.T. -0.00 min

Lab File: BE098591.D

Acq: 29 Dec 2018 1:26

Instrument :

BNA_E

ClientSampleId :

F9F86DL

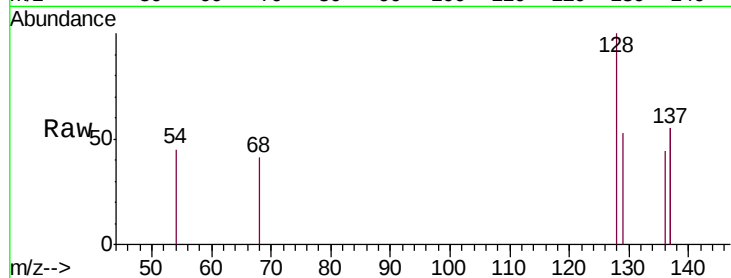
Tgt Ion:128 Resp: 375

Ion Ratio Lower Upper

128 100

129 53.2 10.5 15.7#

127 0.0 0.0 0.0



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

10.65

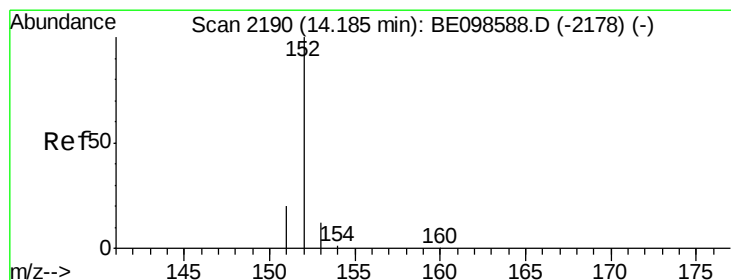
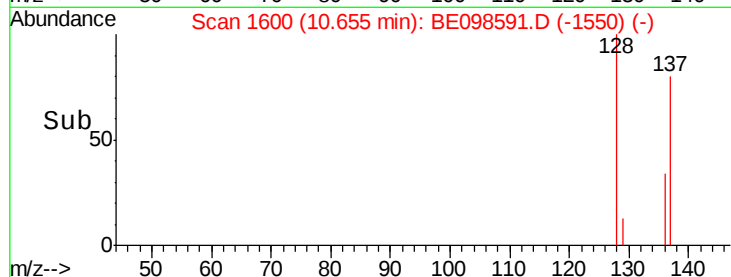
200

100

0

Time-->

10.60 10.65 10.70



#7

Acenaphthylene

Concen: 0.024 ng/ul

RT: 14.19 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BE098591.D

Acq: 29 Dec 2018 1:26

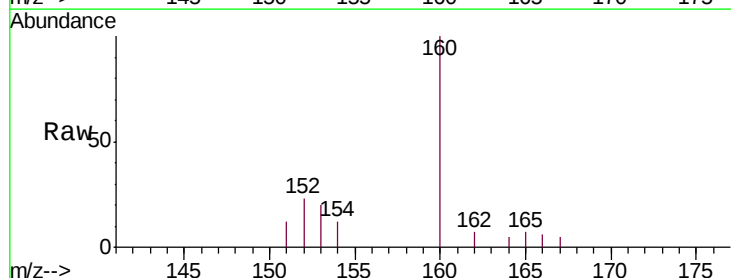
Tgt Ion:152 Resp: 324

Ion Ratio Lower Upper

152 100

151 54.2 17.3 25.9#

153 87.9 11.9 17.9#



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

14.19

400

300

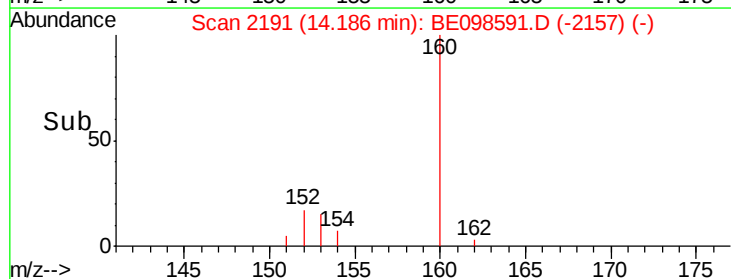
200

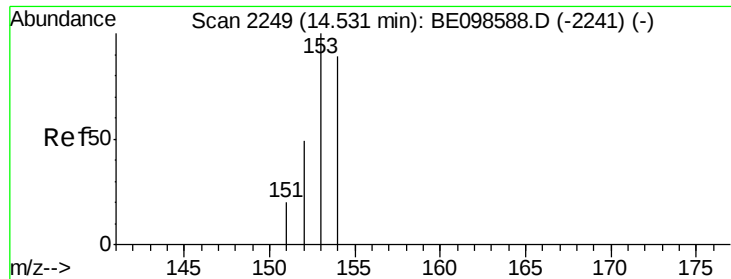
100

0

Time-->

14.15 14.20 14.25





#8

Acenaphthene

Concen: 0.143 ng/ul

RT: 14.53 min Scan# 2250

Delta R.T. 0.00 min

Lab File: BE098591.D

Acq: 29 Dec 2018 1:26

Instrument :

BNA_E

ClientSampleId :

F9F86DL

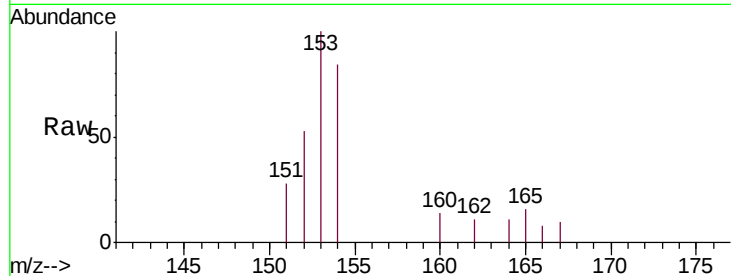
Tgt Ion:153 Resp: 1505

Ion Ratio Lower Upper

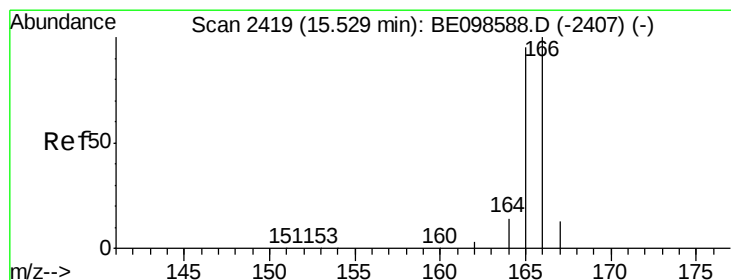
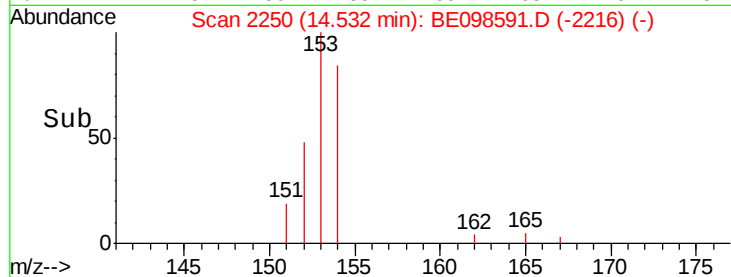
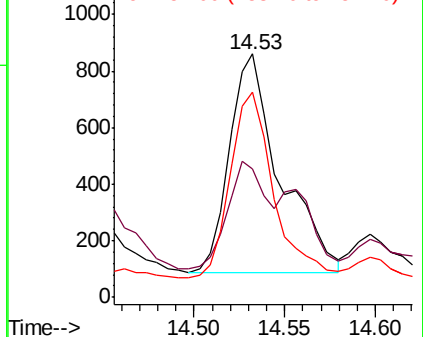
153 100

152 52.7 39.4 59.0

154 84.3 70.5 105.7



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: 1.106 ng/ul

RT: 15.52 min Scan# 2419

Delta R.T. -0.00 min

Lab File: BE098591.D

Acq: 29 Dec 2018 1:26

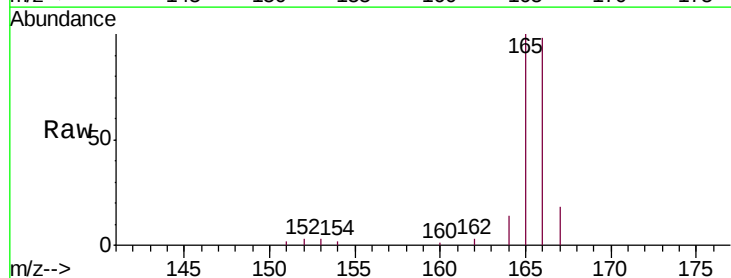
Tgt Ion:166 Resp: 13797

Ion Ratio Lower Upper

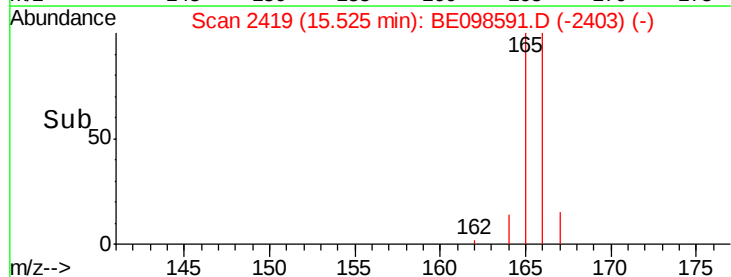
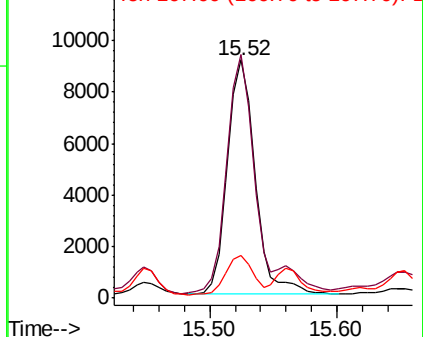
166 100

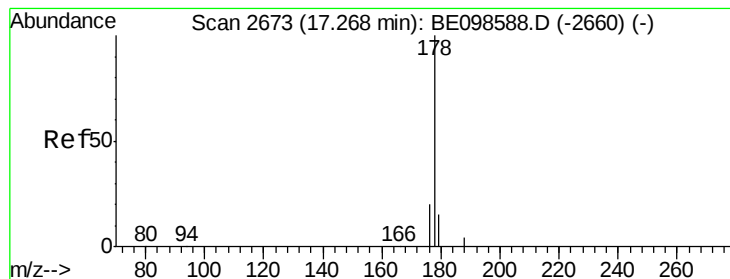
165 102.3 80.2 120.4

167 17.9 12.0 18.0



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: 0.068 ng/ul

RT: 17.36 min Scan# 2687

Delta R.T. 0.09 min

Lab File: BE098591.D

Acq: 29 Dec 2018 1:26

Instrument :

BNA_E

ClientSampleId :

F9F86DL

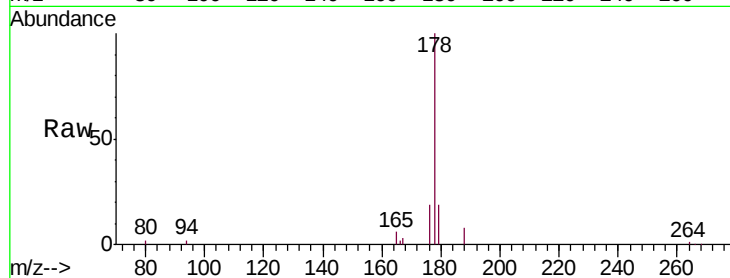
Tgt Ion:178 Resp: 14863

Ion Ratio Lower Upper

178 100

179 18.6 13.0 19.4

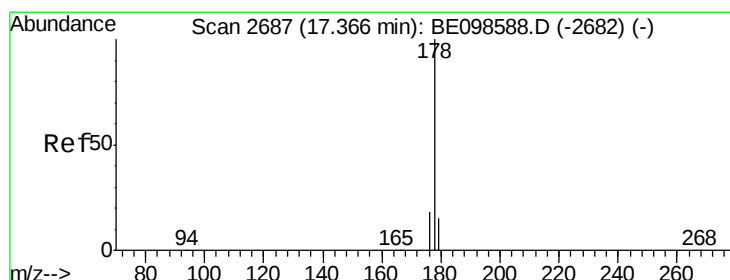
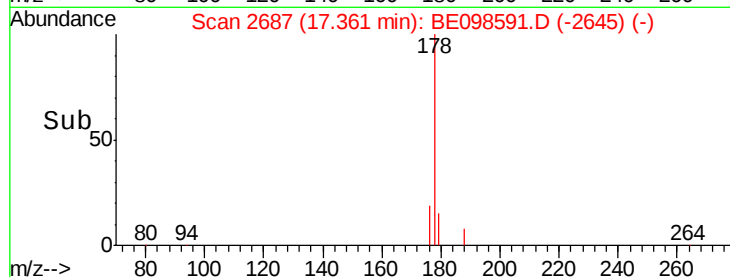
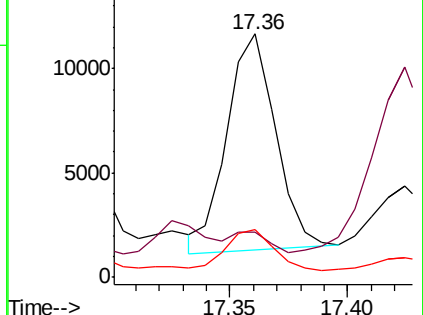
176 19.4 15.7 23.5



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: 0.020 ng/ul

RT: 17.47 min Scan# 2702

Delta R.T. 0.10 min

Lab File: BE098591.D

Acq: 29 Dec 2018 1:26

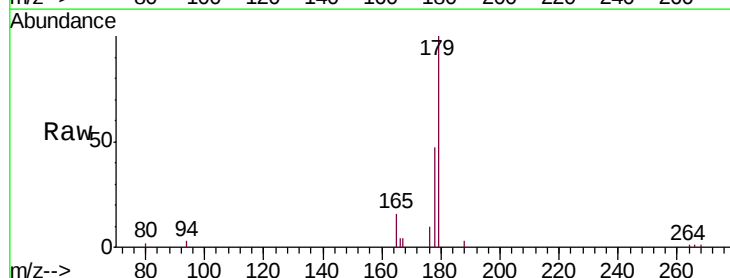
Tgt Ion:178 Resp: 3685

Ion Ratio Lower Upper

178 100

179 212.0 12.6 19.0#

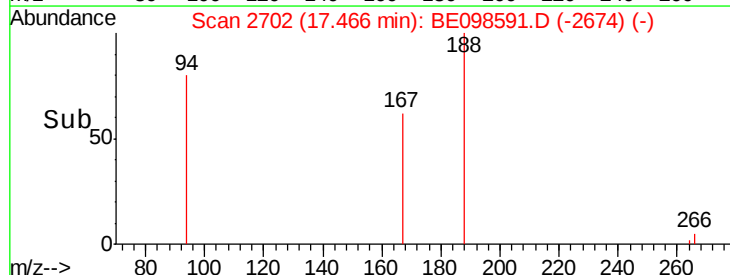
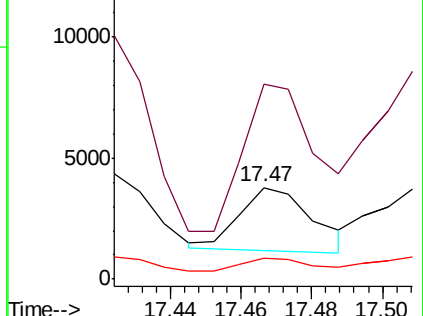
176 22.1 15.6 23.4

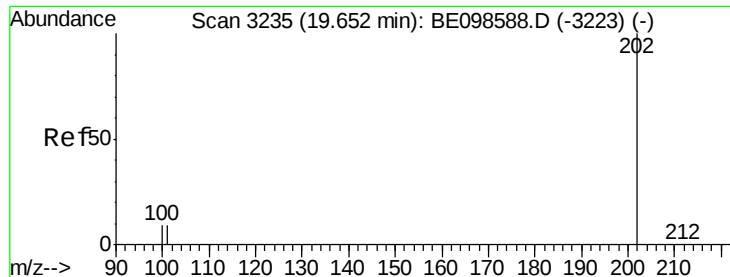


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

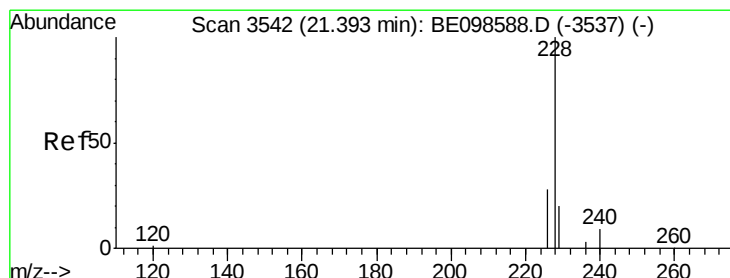
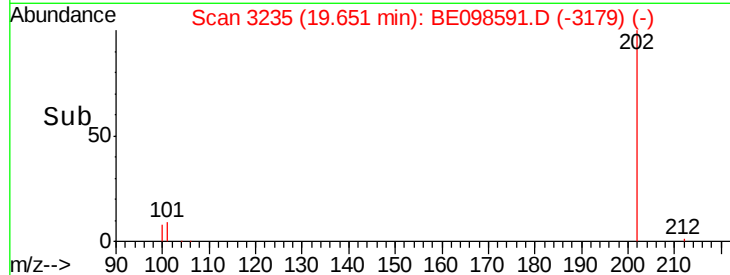
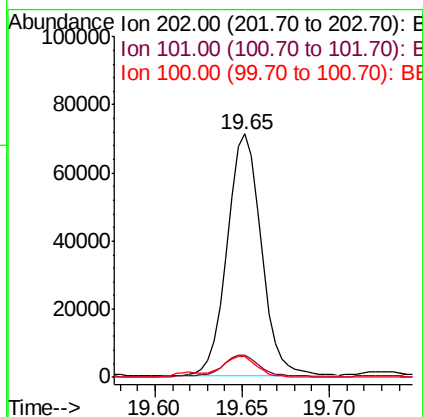
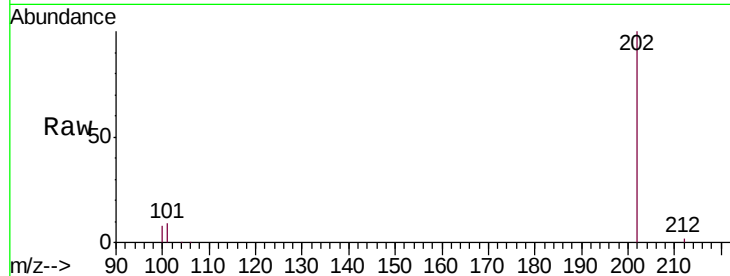




#17
 Pyrene
 Concen: 445.745 ng/ul
 RT: 19.65 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: BE098591.D
 Acq: 29 Dec 2018 1:26

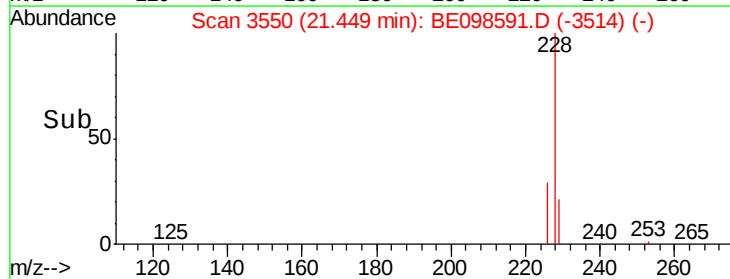
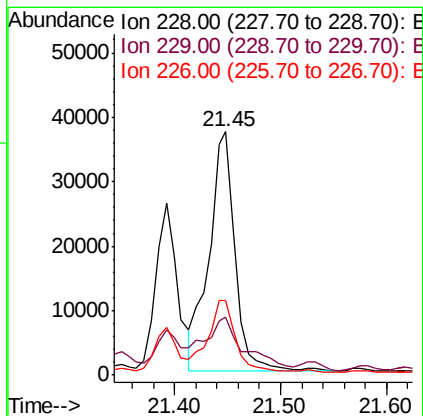
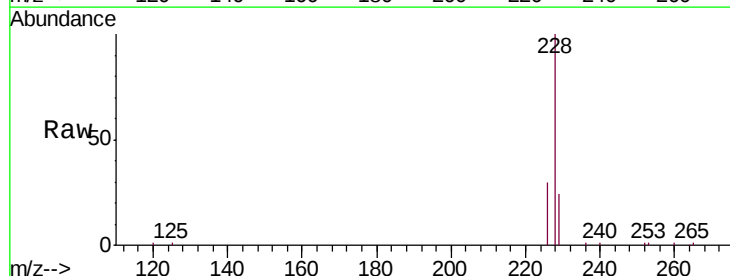
Instrument :
 BNA_E
 ClientSampleId :
 F9F86DL

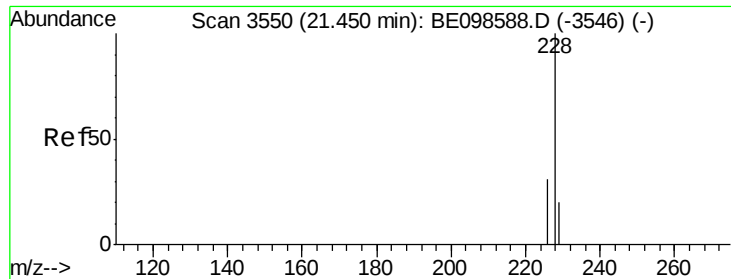
Tgt Ion:202 Resp: 95499
 Ion Ratio Lower Upper
 202 100
 101 9.1 6.9 10.3
 100 8.5 6.0 9.0



#18
 Benzo(a)anthracene
 Concen: 331.668 ng/ul
 RT: 21.45 min Scan# 3550
 Delta R.T. 0.06 min
 Lab File: BE098591.D
 Acq: 29 Dec 2018 1:26

Tgt Ion:228 Resp: 64855
 Ion Ratio Lower Upper
 228 100
 229 23.7 16.1 24.1
 226 30.4 22.2 33.4





#19

Chrysene

Concen: 194.424 ng/ul

RT: 21.45 min Scan# 3550

Delta R.T. -0.00 min

Lab File: BE098591.D

Acq: 29 Dec 2018 1:26

Instrument :

BNA_E

ClientSampleId :

F9F86DL

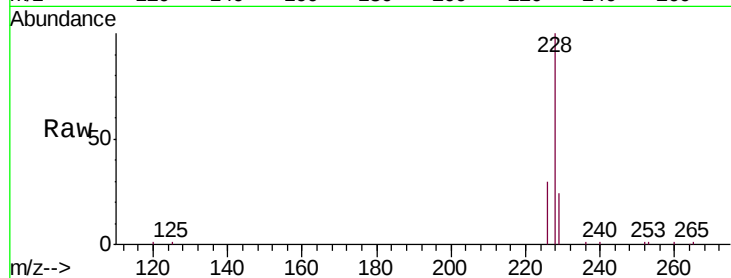
Tgt Ion:228 Resp: 47123

Ion Ratio Lower Upper

228 100

226 30.4 24.6 37.0

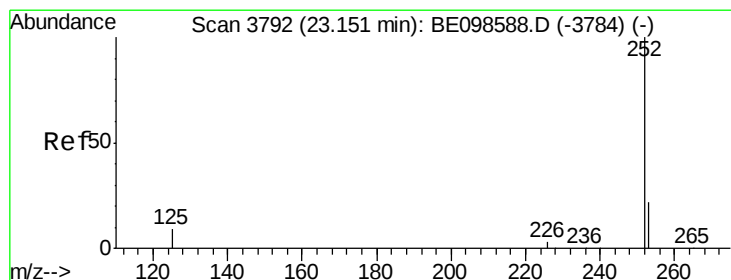
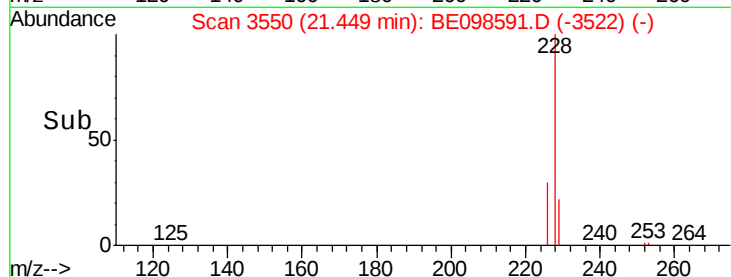
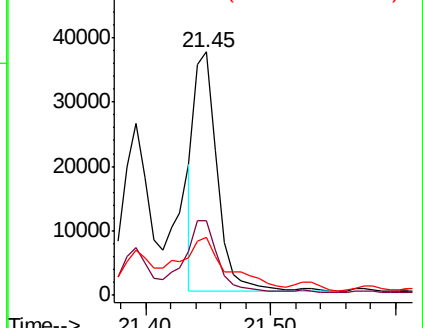
229 23.7 16.4 24.6



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: 16.398 ng/ul

RT: 23.15 min Scan# 3792

Delta R.T. -0.00 min

Lab File: BE098591.D

Acq: 29 Dec 2018 1:26

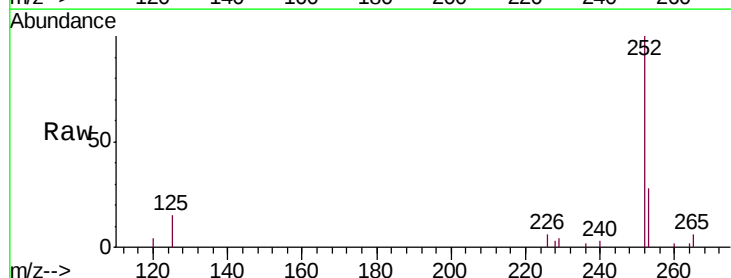
Tgt Ion:252 Resp: 14708

Ion Ratio Lower Upper

252 100

253 27.7 0.0 47.8

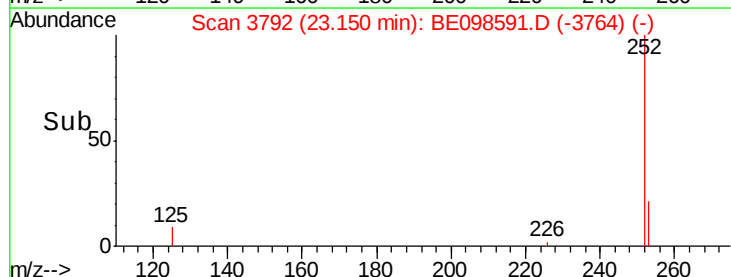
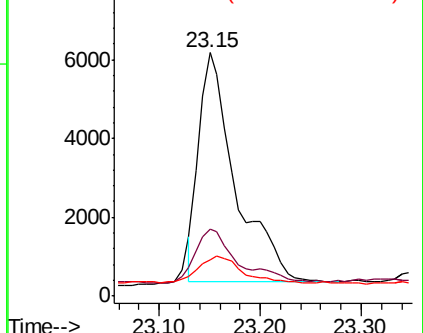
125 15.1 0.0 16.8

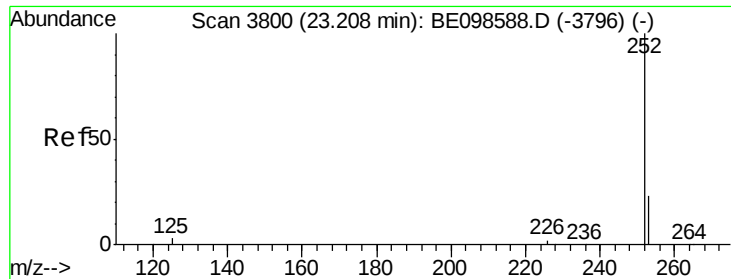


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.215 ng/ul

RT: 23.35 min Scan# 3821

Delta R.T. 0.15 min

Lab File: BE098591.D

Acq: 29 Dec 2018 1:26

Instrument :

BNA_E

ClientSampleId :

F9F86DL

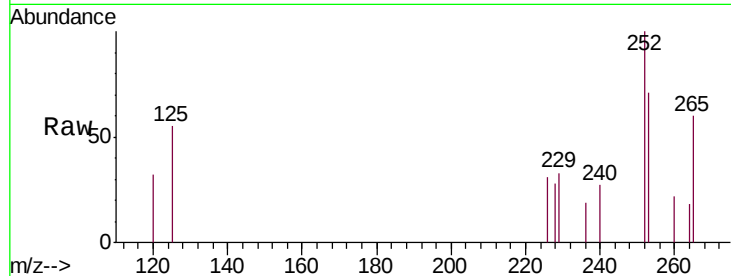
Tgt Ion:252 Resp: 1195

Ion Ratio Lower Upper

252 100

253 71.3 19.3 28.9#

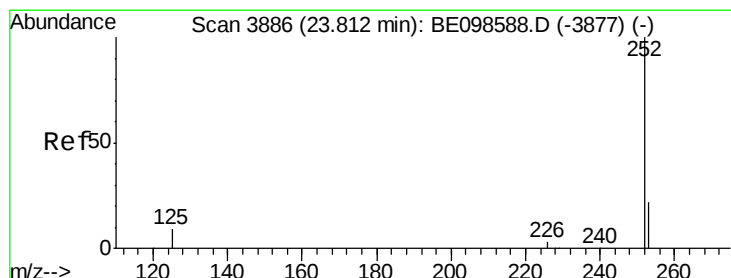
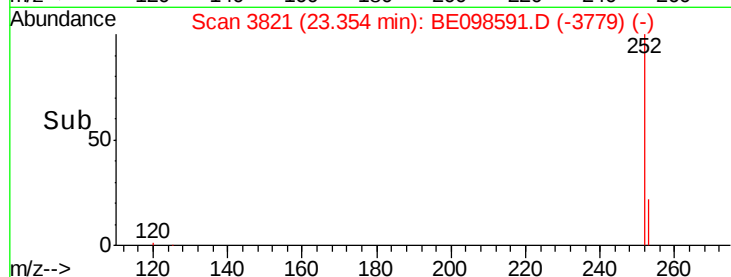
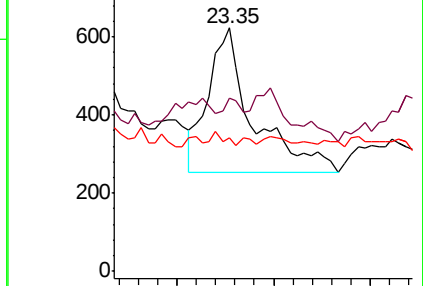
125 54.9 6.2 9.2#



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: 1.043 ng/ul

RT: 23.98 min Scan# 3910

Delta R.T. 0.17 min

Lab File: BE098591.D

Acq: 29 Dec 2018 1:26

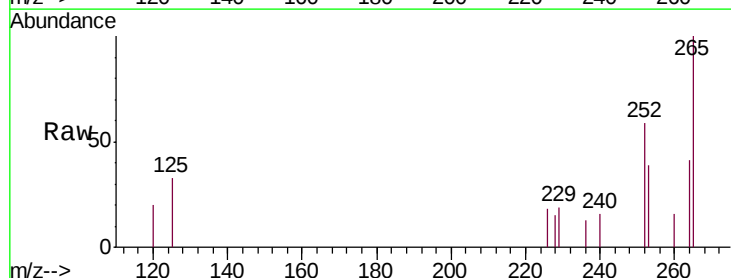
Tgt Ion:252 Resp: 912

Ion Ratio Lower Upper

252 100

253 65.8 19.4 29.2#

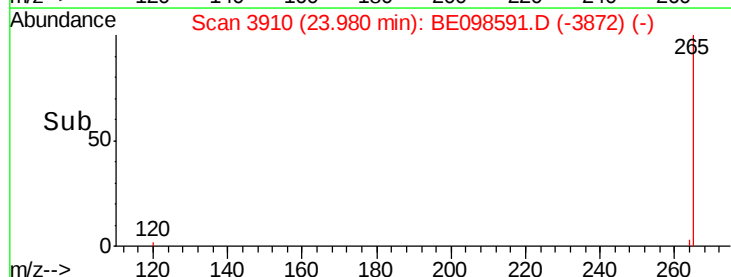
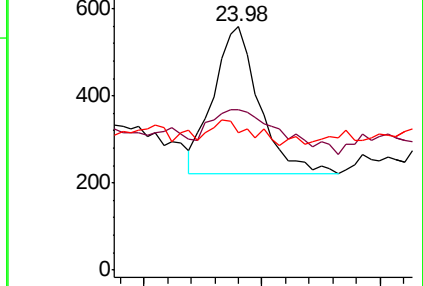
125 56.4 7.8 11.8#

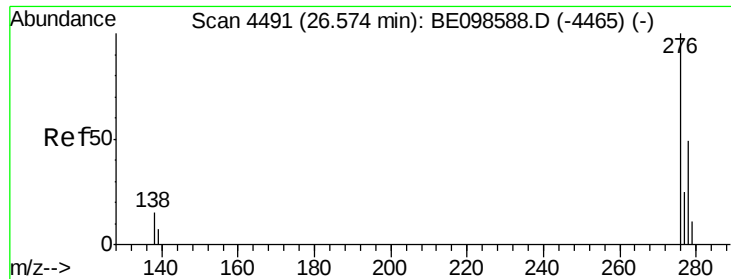


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



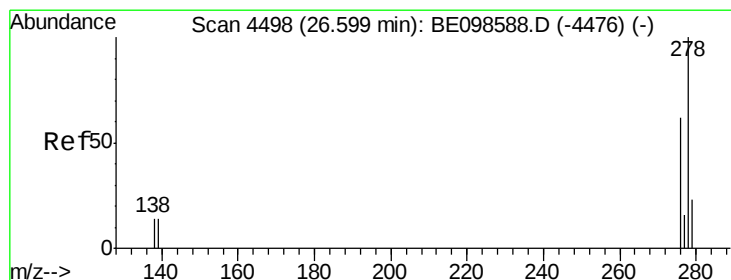
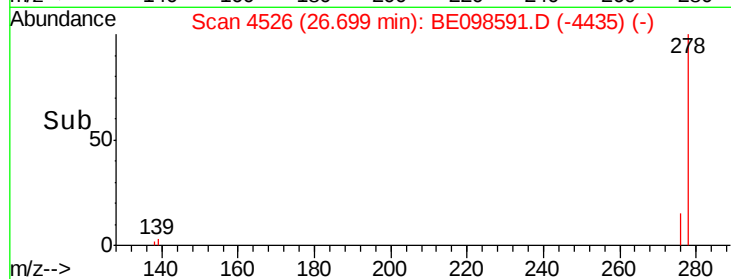
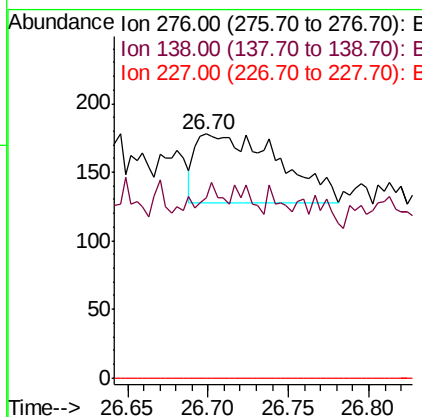
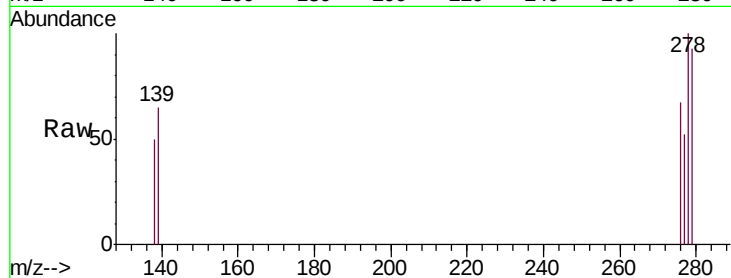


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.178 ng/u1
RT: 26.70 min Scan# 4526
Delta R.T. 0.13 min
Lab File: BE098591.D
Acq: 29 Dec 2018 1:26

Instrument :
BNA_E
ClientSampleId :
F9F86DL

Tgt Ion: 276 Resp: 179
Ion Ratio Lower Upper
276 100
138 8.9 11.8 17.8#
227 0.0 0.0 0.0



#25

Dibenzo(a,h)anthracene
Concen: 0.677 ng/u1
RT: 26.72 min Scan# 4533
Delta R.T. 0.13 min
Lab File: BE098591.D
Acq: 29 Dec 2018 1:26

Tgt Ion: 278 Resp: 554
Ion Ratio Lower Upper
278 100
139 62.1 10.0 15.0#
279 89.2 20.3 30.5#

