

Data File : BG042140.D
Acq On : 12 Aug 2019 11:19
Operator : HP/JU
Sample : K4161-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETOD7MS

Quant Time: Aug 13 04:48:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 13 04:44:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	98479	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	400121	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	285565	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	597106	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	597464	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	664206	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	8699	3.86	ng/uL	0.00
5) Phenol-d5	7.18	99	50333	6.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	95184	22.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	146783	22.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	90569	13.96	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	86090	28.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	105074	30.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	190720	27.01	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	12050	1.54	ng/ul	0.01
43) Dimethylphthalate-d6	14.09	166	650439	29.37	ng/ul	0.00
46) Acenaphthylene-d8	14.37	160	717588	28.36	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	25296	6.80	ng/ul	0.00
57) Fluorene-d10	15.68	176	568631	28.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	114039	29.77	ng/ul	0.00
70) Anthracene-d10	17.54	188	908010	31.70	ng/ul	0.00
78) Pyrene-d10	19.82	212	1011164	30.33	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.76	264	1144570	32.99	ng/ul	0.00

Target Compounds

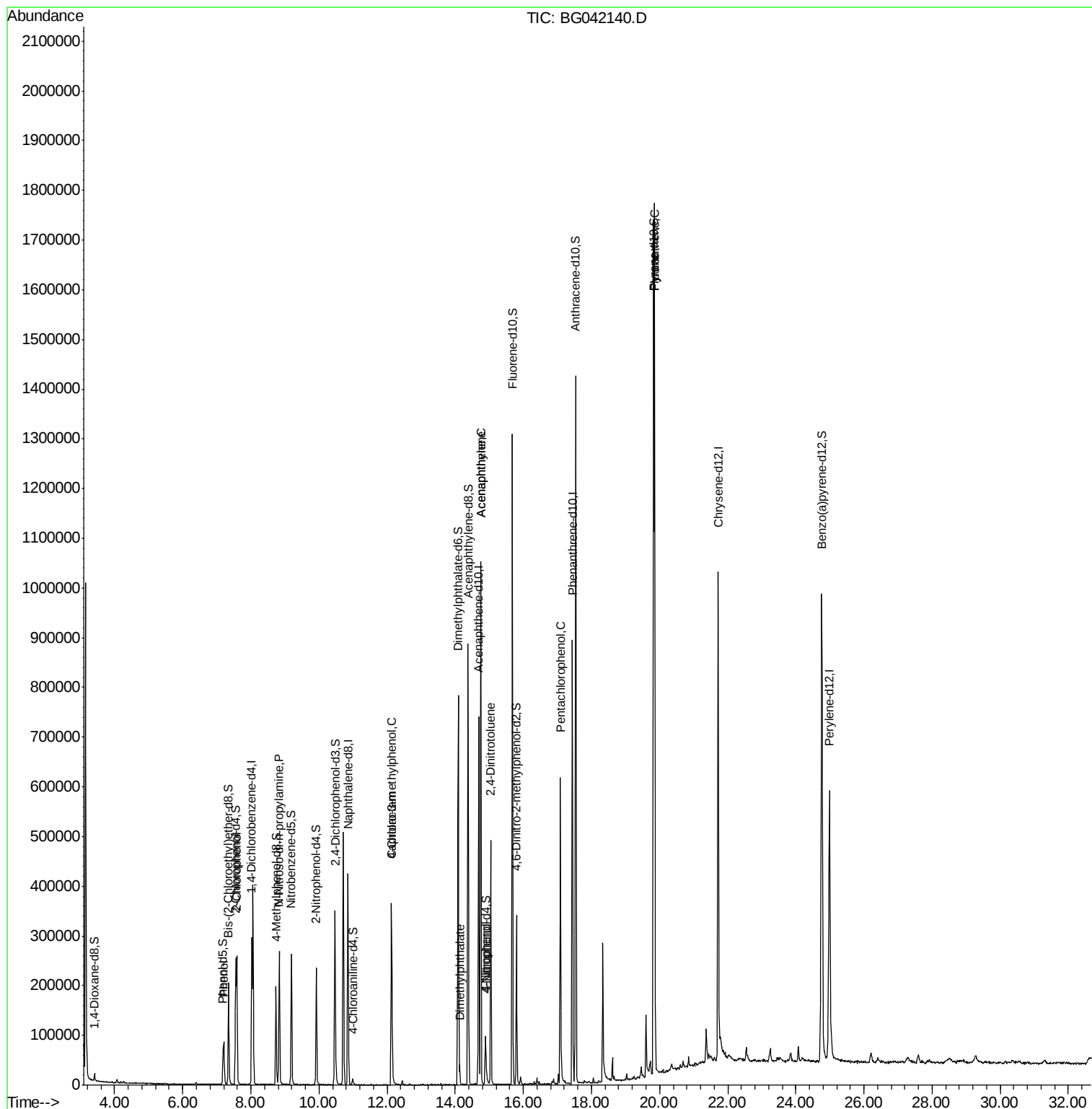
					Qvalue	
6) Phenol	7.21	94	52280	6.553	ng/ul	95
10) 2-Chlorophenol	7.58	128	137253	20.492	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.83	70	110498	20.960	ng/ul	91
32) Caprolactam	12.13	113	4444	1.962	ng/ul#	7
33) 4-Chloro-3-methylphenol	12.13	107	158975	23.047	ng/ul	96
44) Dimethylphthalate	14.13	163	27254	1.239	ng/ul	97
47) Acenaphthylene	14.75	152	224992	8.811	ng/ul#	1
49) Acenaphthene	14.75	153	465529	26.073	ng/ul	99
52) 4-Nitrophenol	14.90	109	15799	5.733	ng/ul	85
54) 2,4-Dinitrotoluene	15.04	165	193981	27.892	ng/ul#	85
68) Pentachlorophenol	17.09	266	146278	33.828	ng/ul	98
76) Fluoranthene	19.86	202	1144836	30.311	ng/ul	97
79) Pyrene	19.86	202	1144836	28.486	ng/ul	100

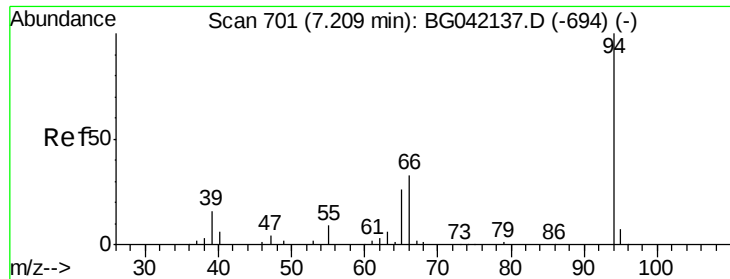
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 6.553 ng/ul

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG042140.D

Acq: 12 Aug 2019 11:19

Instrument :

BNA_G

ClientSampleId :

ETOD7MS

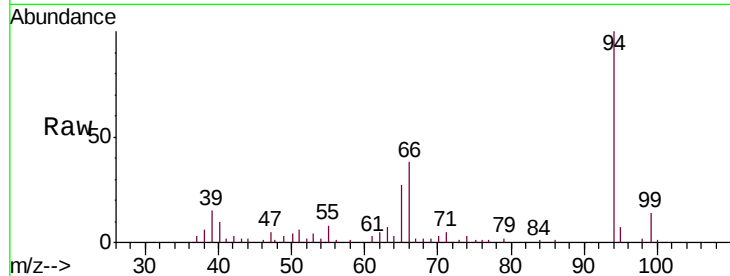
Tgt Ion: 94 Resp: 52280

Ion Ratio Lower Upper

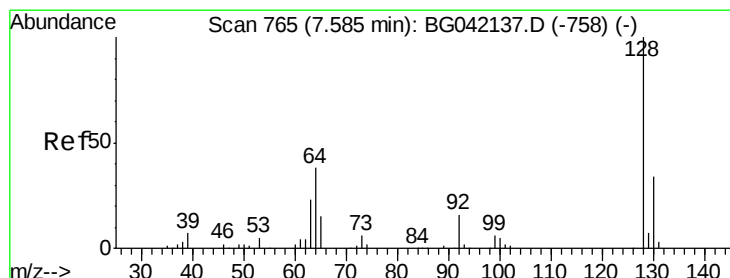
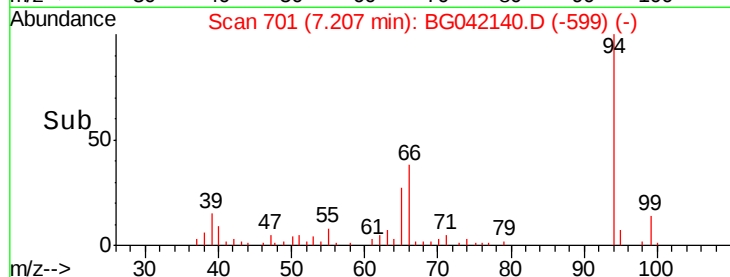
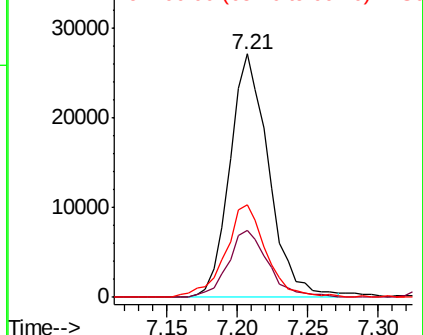
94 100

65 27.5 25.8 38.6

66 38.1 31.8 47.8



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#10

2-Chlorophenol

Concen: 20.492 ng/ul

RT: 7.58 min Scan# 765

Delta R.T. -0.00 min

Lab File: BG042140.D

Acq: 12 Aug 2019 11:19

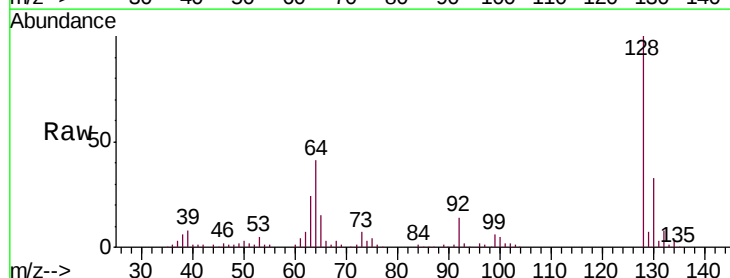
Tgt Ion: 128 Resp: 137253

Ion Ratio Lower Upper

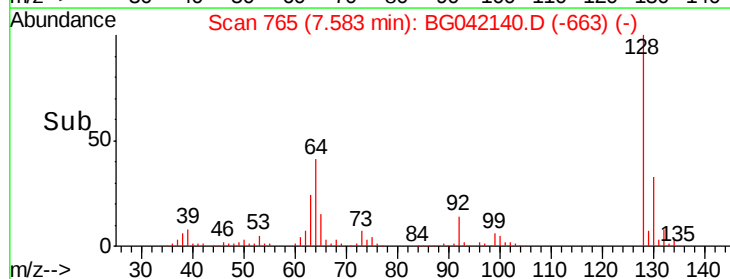
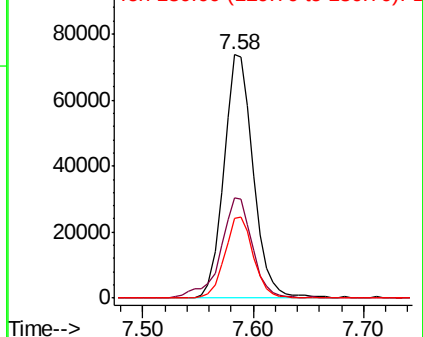
128 100

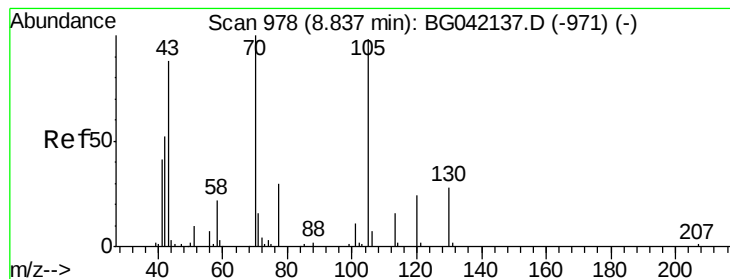
64 40.9 35.5 53.3

130 32.9 26.2 39.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#15

N-Nitroso-di-n-propylamine

Concen: 20.960 ng/ul

RT: 8.83 min Scan# 978

Delta R.T. -0.00 min

Lab File: BG042140.D

Acq: 12 Aug 2019 11:19

Instrument :

BNA_G

ClientSampleId :

ETOD7MS

Tgt Ion: 70 Resp: 110498

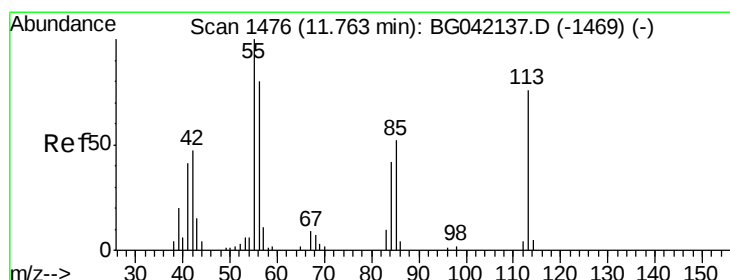
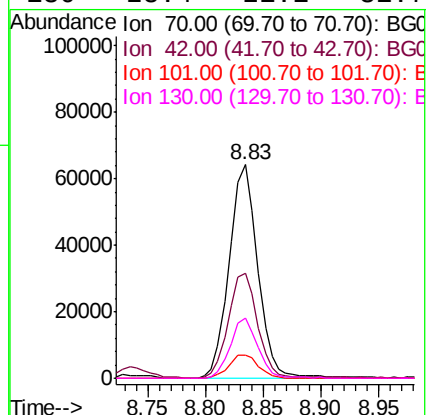
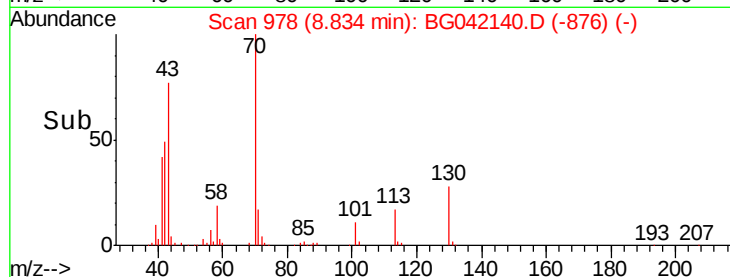
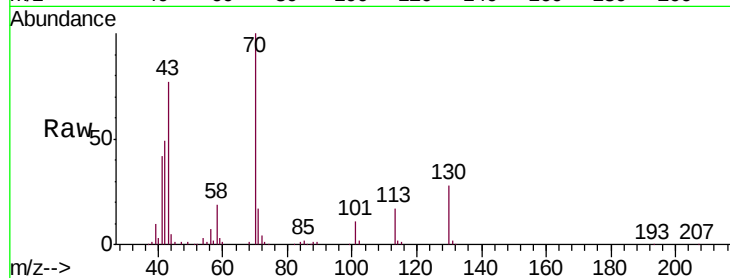
Ion Ratio Lower Upper

70 100

42 49.1 46.4 69.6

101 11.0 9.7 14.5

130 28.4 21.1 31.7



#32

Caprolactam

Concen: 1.962 ng/ul

RT: 12.13 min Scan# 1539

Delta R.T. 0.37 min

Lab File: BG042140.D

Acq: 12 Aug 2019 11:19

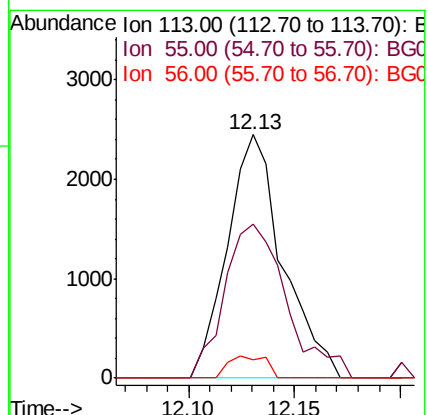
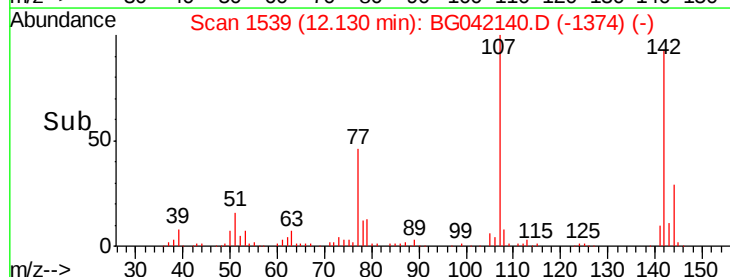
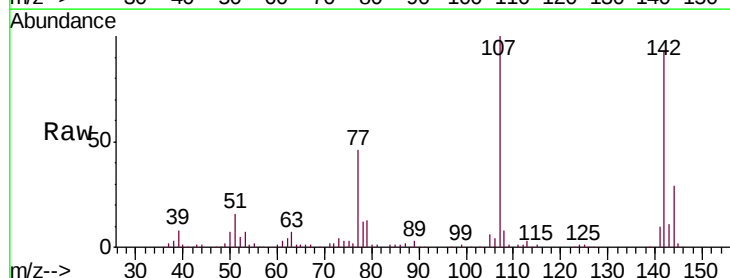
Tgt Ion: 113 Resp: 4444

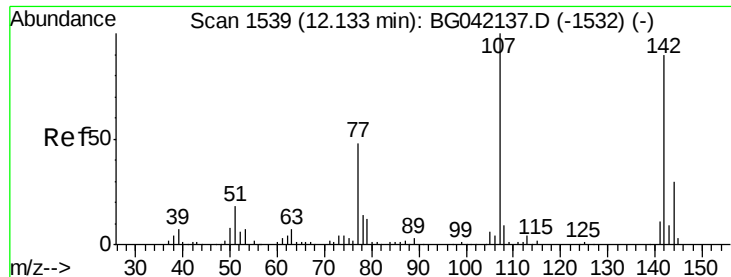
Ion Ratio Lower Upper

113 100

55 63.1 142.4 213.6#

56 7.6 109.4 164.2#

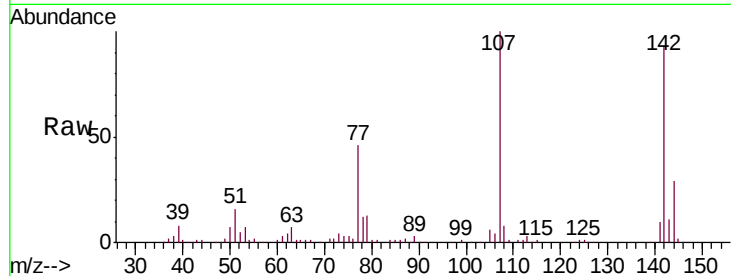




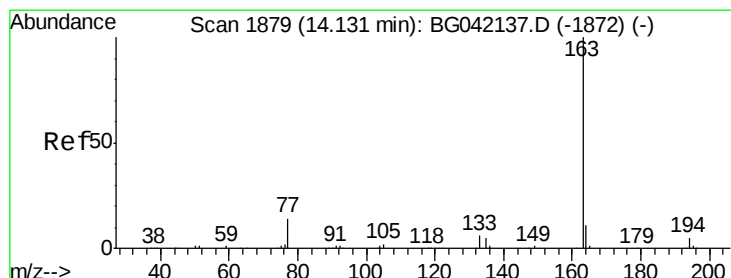
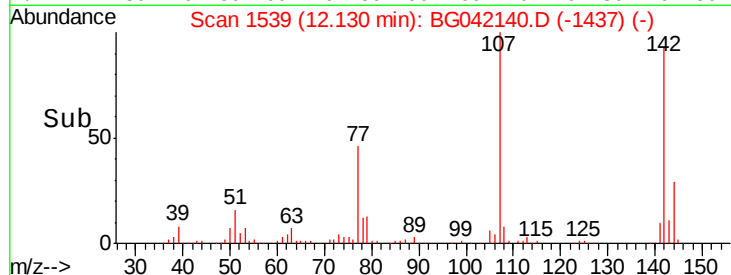
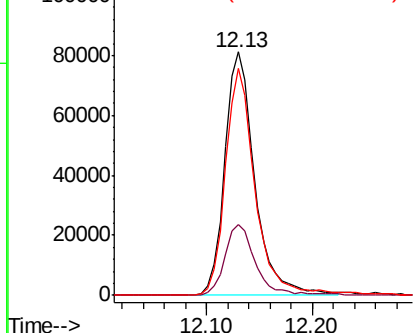
#33
4-Chloro-3-methylphenol
Concen: 23.047 ng/ul
RT: 12.13 min Scan# 1539
Delta R.T. -0.00 min
Lab File: BG042140.D
Acq: 12 Aug 2019 11:19

Instrument :
BNA_G
ClientSampleId :
ETOD7MS

Tgt Ion:107 Resp: 158975
Ion Ratio Lower Upper
107 100
144 29.3 23.0 34.6
142 93.4 71.0 106.6

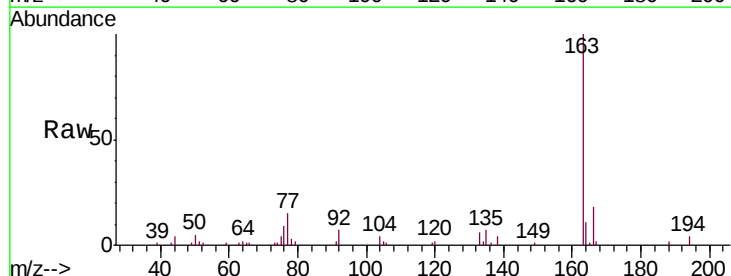


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

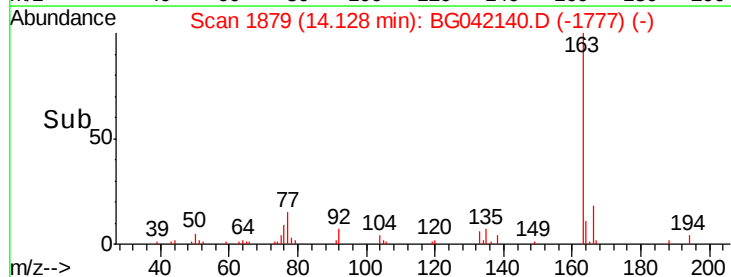
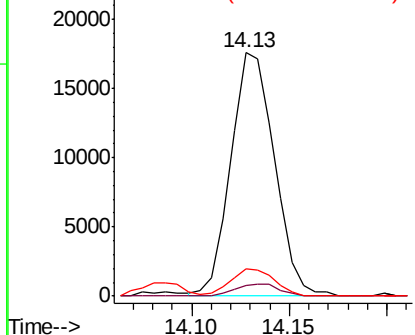


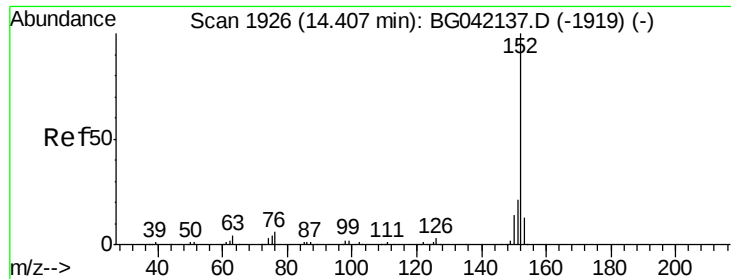
#44
Dimethylphthalate
Concen: 1.239 ng/ul
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG042140.D
Acq: 12 Aug 2019 11:19

Tgt Ion:163 Resp: 27254
Ion Ratio Lower Upper
163 100
194 4.3 4.2 6.2
164 11.1 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

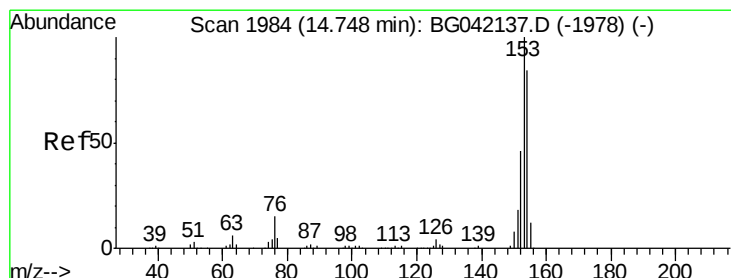
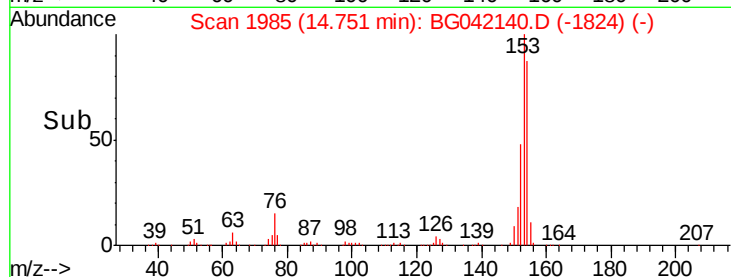
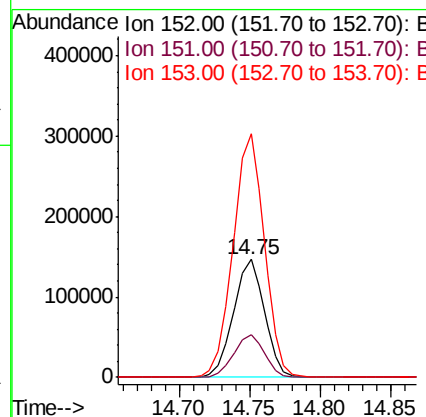
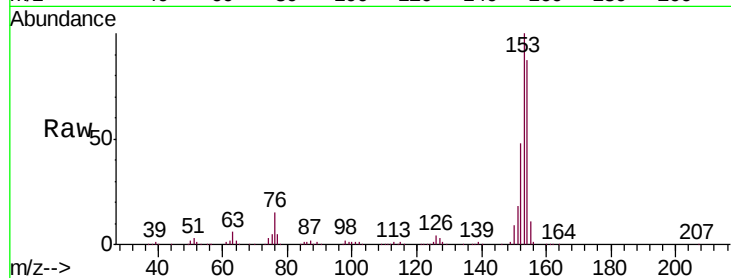




#47
Acenaphthylene
Concen: 8.811 ng/ul
RT: 14.75 min Scan# 1985
Delta R.T. 0.34 min
Lab File: BG042140.D
Acq: 12 Aug 2019 11:19

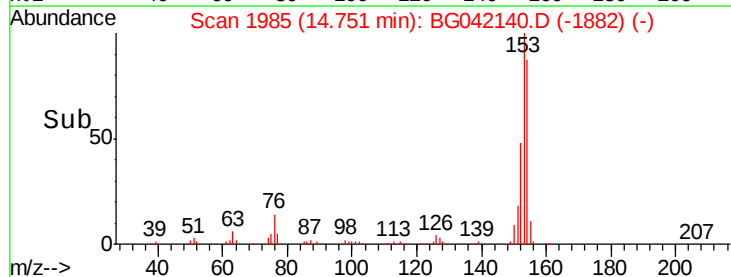
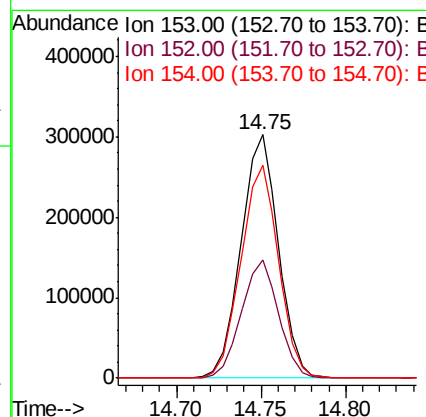
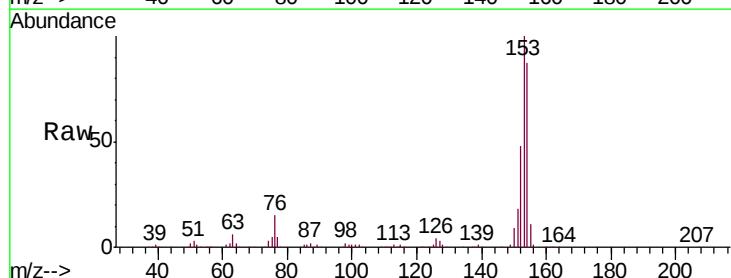
Instrument :
BNA_G
ClientSampleId :
ETOD7MS

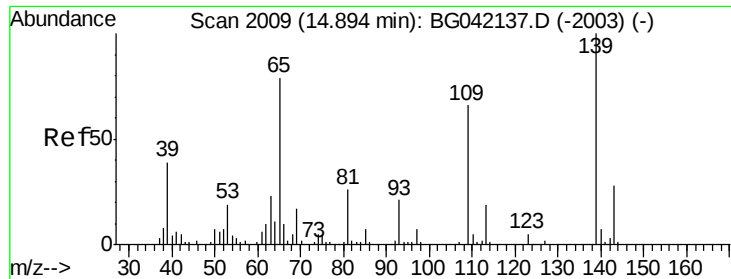
Tgt Ion	Ratio	Lower	Upper
152	100		
151	36.7	16.8	25.2#
153	206.7	10.3	15.5#



#49
Acenaphthene
Concen: 26.073 ng/ul
RT: 14.75 min Scan# 1985
Delta R.T. 0.00 min
Lab File: BG042140.D
Acq: 12 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.4	37.8	56.8
154	87.4	69.4	104.2





#52

4-Nitrophenol

Concen: 5.733 ng/ul

RT: 14.90 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BG042140.D

Acq: 12 Aug 2019 11:19

Instrument :

BNA_G

ClientSampleId :

ETOD7MS

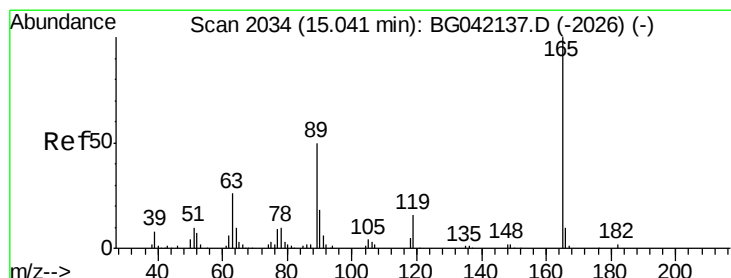
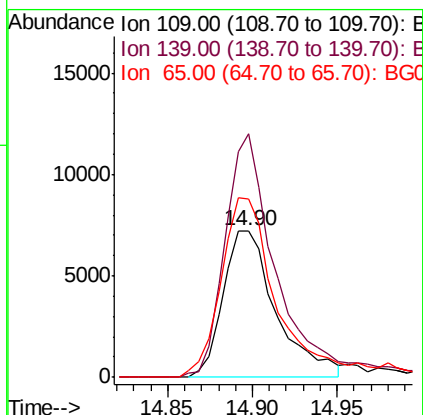
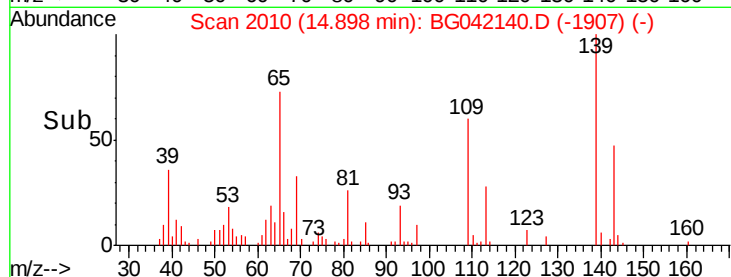
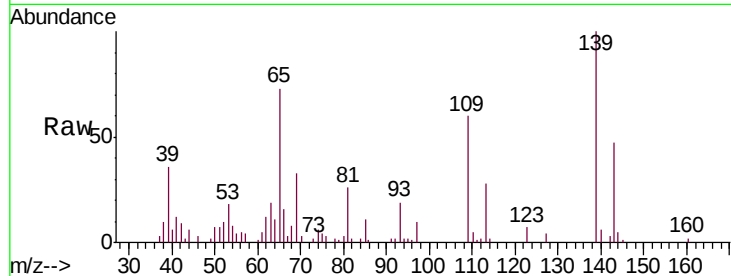
Tgt Ion:109 Resp: 15799

Ion Ratio Lower Upper

109 100

139 166.2 111.8 167.6

65 121.4 103.6 155.4



#54

2,4-Dinitrotoluene

Concen: 27.892 ng/ul

RT: 15.04 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BG042140.D

Acq: 12 Aug 2019 11:19

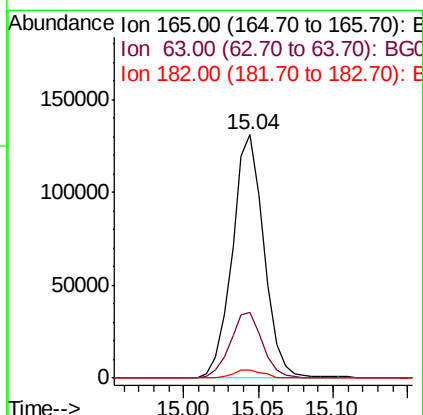
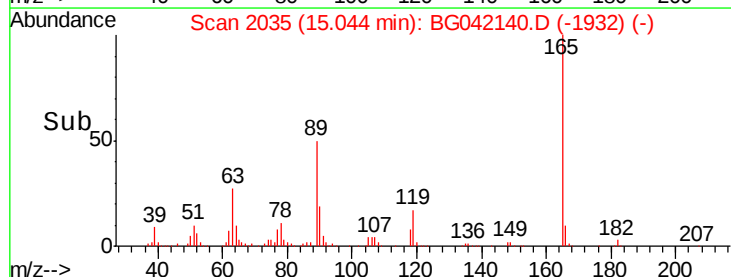
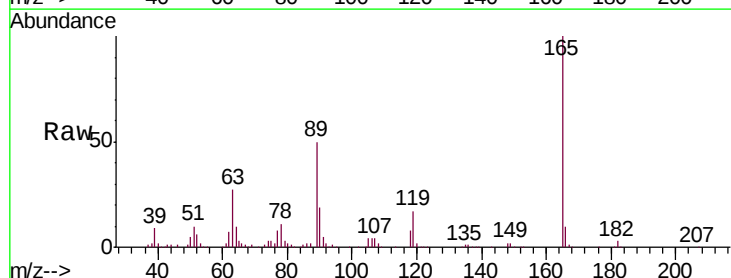
Tgt Ion:165 Resp: 193981

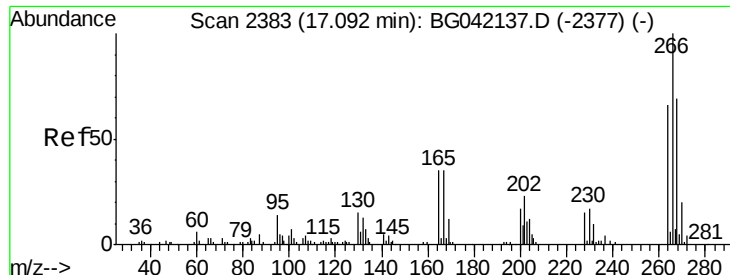
Ion Ratio Lower Upper

165 100

63 26.9 29.4 44.2#

182 3.4 2.6 4.0





#68

Pentachlorophenol

Concen: 33.828 ng/ul

RT: 17.09 min Scan# 2383

Delta R.T. -0.00 min

Lab File: BG042140.D

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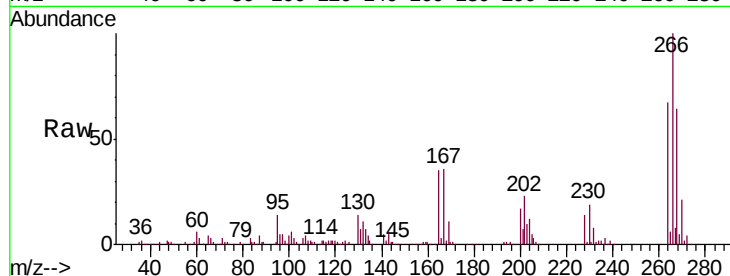
Tgt Ion:266 Resp: 146278

Ion Ratio Lower Upper

266 100

264 66.6 52.3 78.5

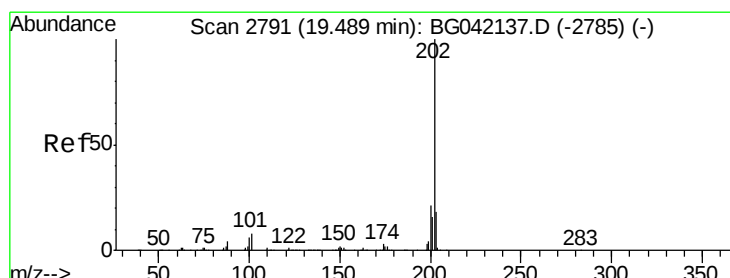
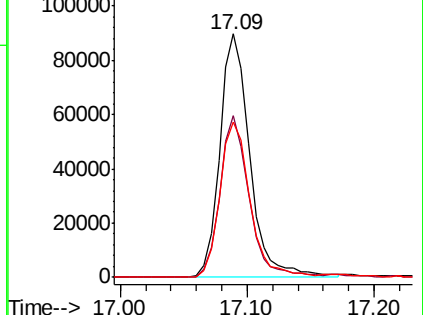
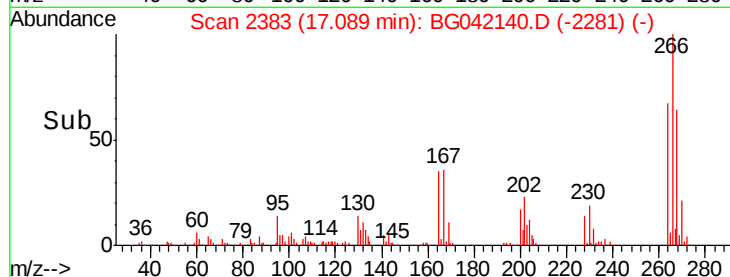
268 63.9 53.2 79.8



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#76

Fluoranthene

Concen: 30.311 ng/ul

RT: 19.86 min Scan# 2854

Delta R.T. 0.37 min

Lab File: BG042140.D

Acq: 12 Aug 2019 11:19

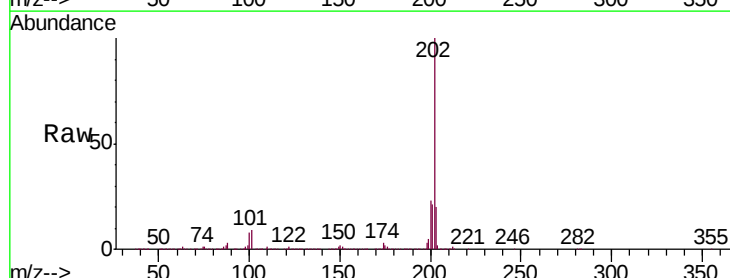
Tgt Ion:202 Resp: 1144836

Ion Ratio Lower Upper

202 100

101 9.5 6.7 10.1

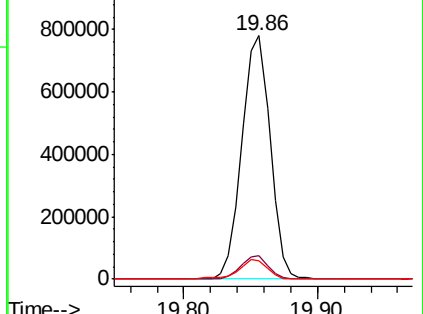
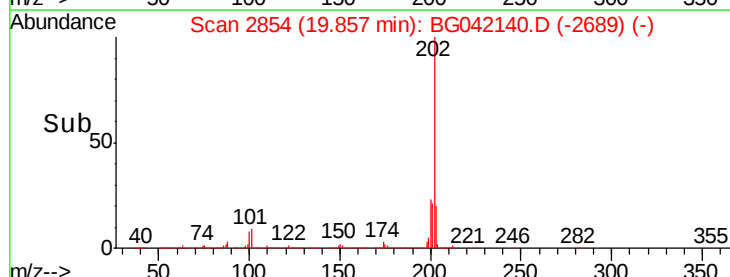
100 7.8 5.3 7.9

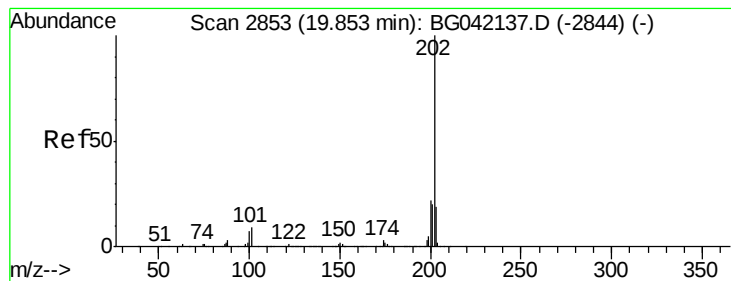


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pyrene

Concen: 28.486 ng/ul

RT: 19.86 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG042140.D

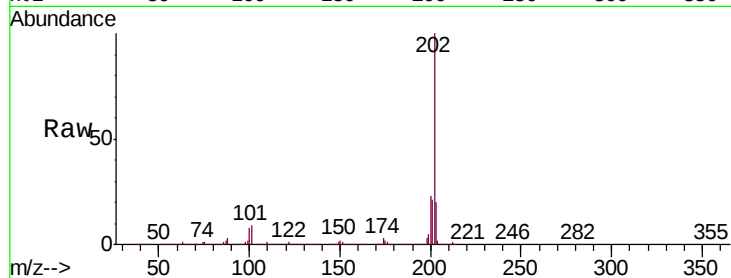
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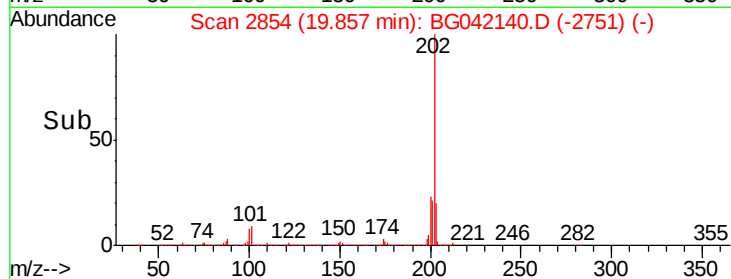
Tgt Ion:202 Resp: 1144836

Ion Ratio Lower Upper

202 100

101 9.5 7.6 11.4

100 7.8 6.5 9.7



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): B

