

Data File : BG042141.D
Acq On : 12 Aug 2019 11:57
Operator : HP/JU
Sample : K4161-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETOD7MSD

Quant Time: Aug 13 04:49:05 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	98323	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	399913	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	284792	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	594942	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	602819	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	674876	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	8984	4.00	ng/uL	0.00
5) Phenol-d5	7.18	99	53181	6.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	103461	23.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	156020	23.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	96859	14.95	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	93749	31.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	116217	33.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	207394	29.39	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	11196	1.43	ng/ul	0.02
43) Dimethylphthalate-d6	14.09	166	652691	29.55	ng/ul	0.00
46) Acenaphthylene-d8	14.37	160	754568	29.91	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	22935	6.18	ng/ul	0.00
57) Fluorene-d10	15.68	176	577899	29.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	114770	30.07	ng/ul	0.00
70) Anthracene-d10	17.54	188	894009	31.32	ng/ul	0.00
78) Pyrene-d10	19.82	212	1014208	30.15	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.76	264	1133197	32.14	ng/ul	0.00

Target Compounds

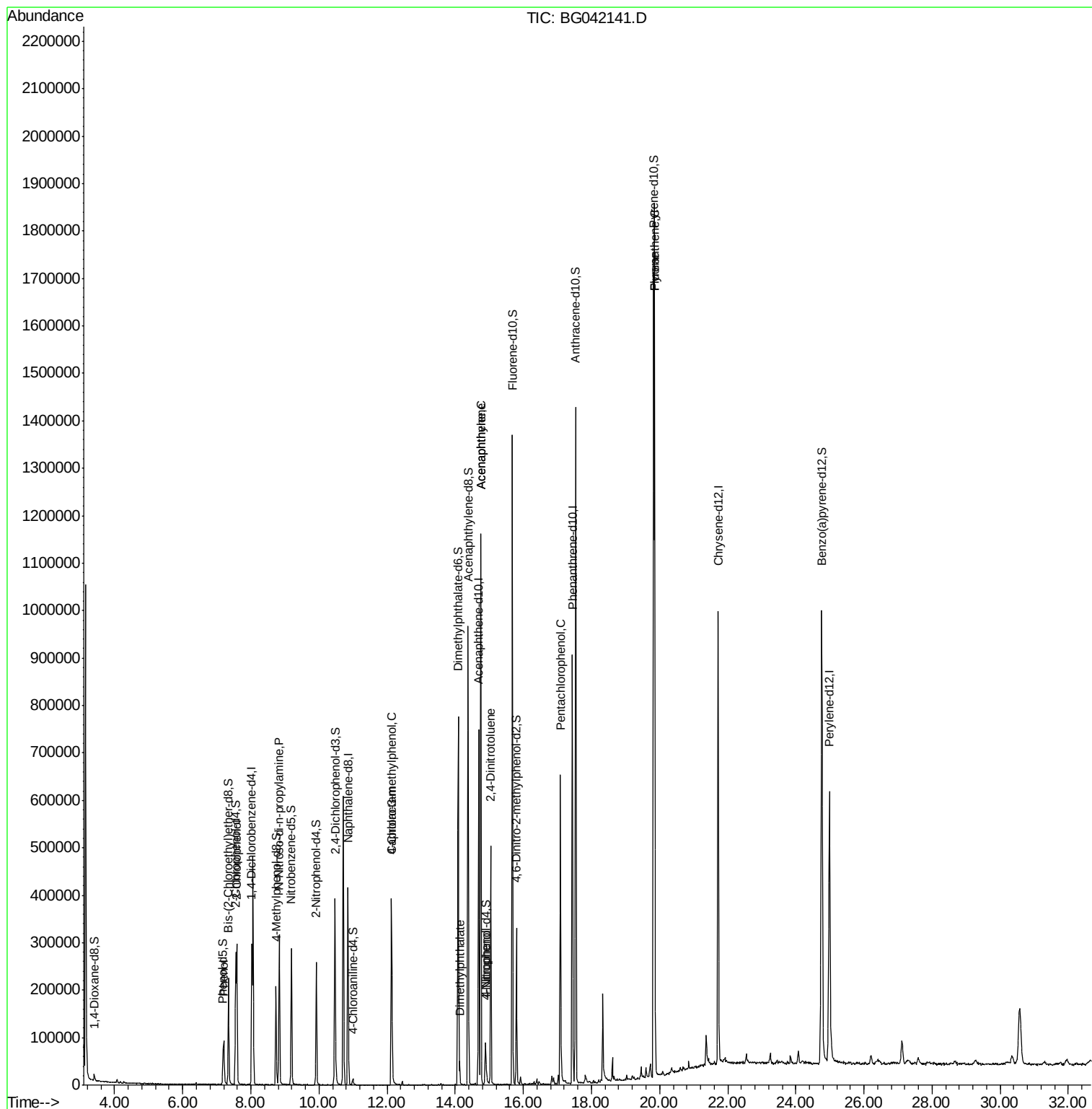
					Qvalue	
6) Phenol	7.21	94	57081	7.167	ng/ul	92
10) 2-Chlorophenol	7.58	128	156997	23.478	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.83	70	129500	24.604	ng/ul	94
32) Caprolactam	12.13	113	5253	2.320	ng/ul#	7
33) 4-Chloro-3-methylphenol	12.13	107	169892	24.643	ng/ul	96
44) Dimethylphthalate	14.13	163	35882	1.636	ng/ul	99
47) Acenaphthylene	14.75	152	250980	9.856	ng/ul#	1
49) Acenaphthene	14.75	153	526919	29.592	ng/ul	97
52) 4-Nitrophenol	14.90	109	14900	5.422	ng/ul	88
54) 2,4-Dinitrotoluene	15.04	165	205165	29.580	ng/ul#	84
68) Pentachlorophenol	17.09	266	159554	37.032	ng/ul	94
76) Fluoranthene	19.86	202	1212774	32.227	ng/ul	97
79) Pyrene	19.86	202	1212774	29.909	ng/ul	99

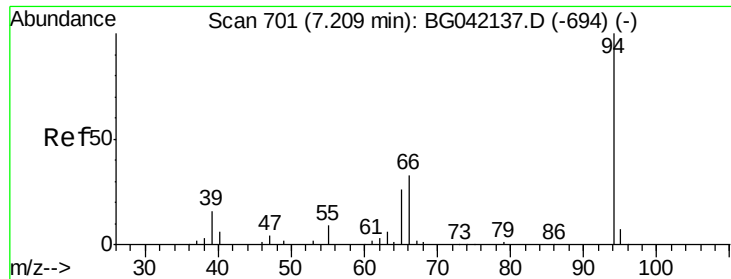
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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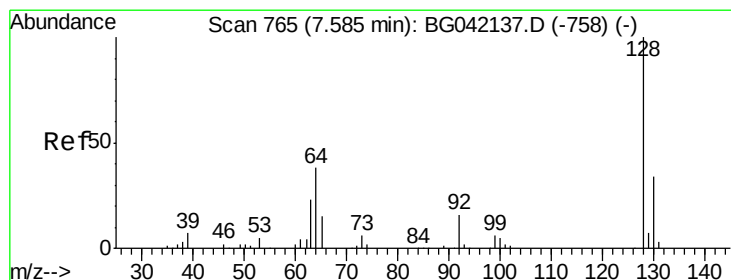
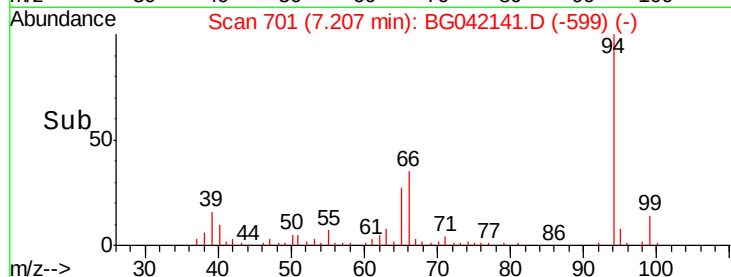
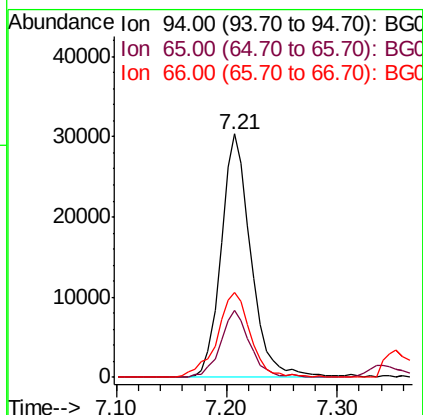
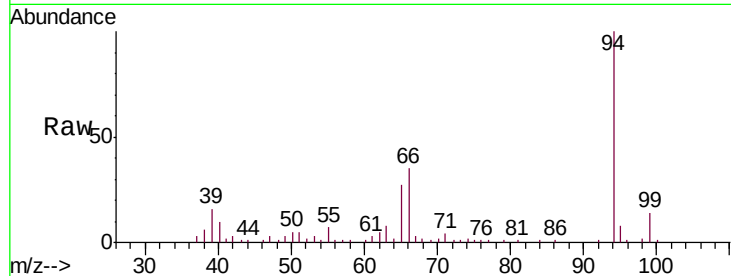
#6

Phenol

Concen: 7.167 ng/ul
 RT: 7.21 min Scan# 701
 Delta R.T. -0.00 min
 Lab File: BG042141.D
 Acq: 12 Aug 2019 11:57

Instrument :
 BNA_G
 ClientSampleId :
 ETOD7MSD

Tgt Ion: 94 Resp: 57081
 Ion Ratio Lower Upper
 94 100
 65 27.4 25.8 38.6
 66 35.1 31.8 47.8

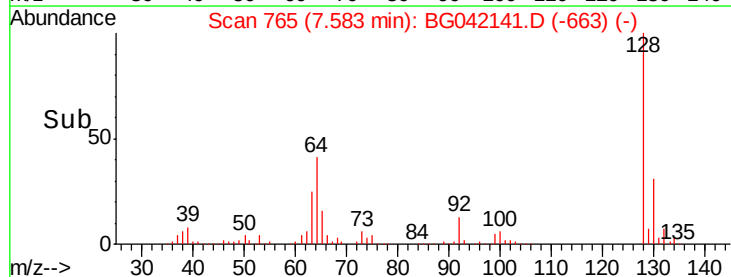
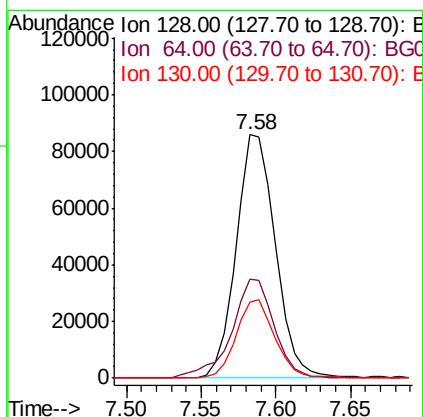
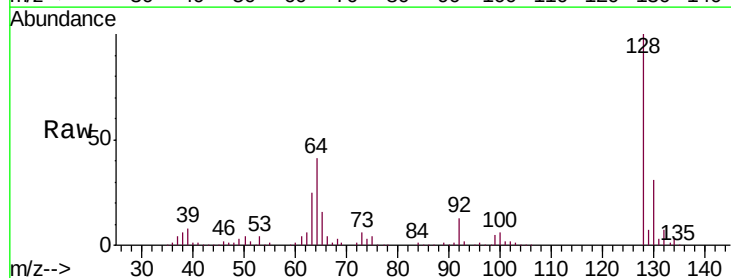


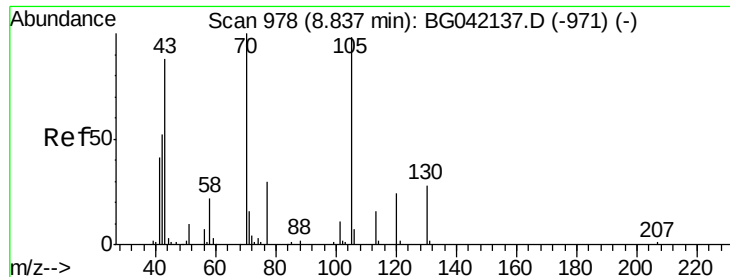
#10

2-Chlorophenol

Concen: 23.478 ng/ul
 RT: 7.58 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BG042141.D
 Acq: 12 Aug 2019 11:57

Tgt Ion: 128 Resp: 156997
 Ion Ratio Lower Upper
 128 100
 64 40.8 35.5 53.3
 130 31.3 26.2 39.4





#15

N-Nitroso-di-n-propylamine

Concen: 24.604 ng/ul

RT: 8.83 min Scan# 978

Delta R.T. -0.00 min

Lab File: BG042141.D

Acq: 12 Aug 2019 11:57

Instrument :

BNA_G

ClientSampleId :

ETOD7MSD

Tgt Ion: 70 Resp: 129500

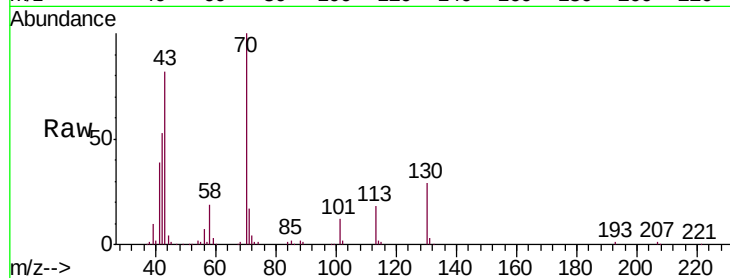
Ion Ratio Lower Upper

70 100

42 52.6 46.4 69.6

101 11.8 9.7 14.5

130 28.6 21.1 31.7

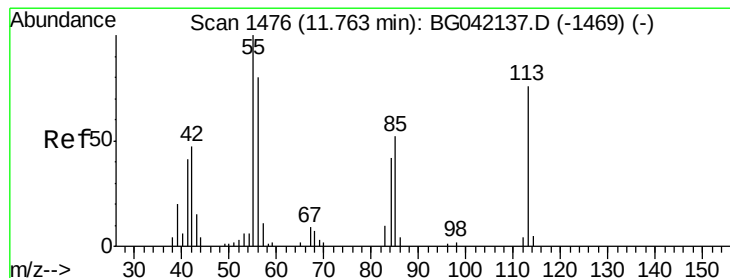
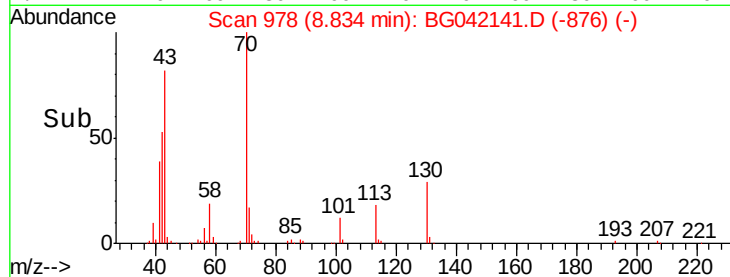
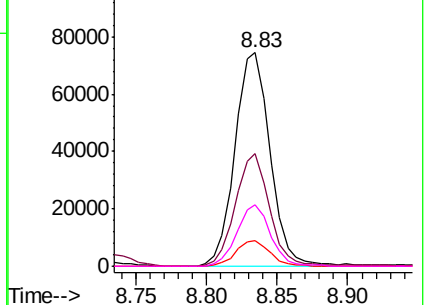


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#32

Caprolactam

Concen: 2.320 ng/ul

RT: 12.13 min Scan# 1539

Delta R.T. 0.37 min

Lab File: BG042141.D

Acq: 12 Aug 2019 11:57

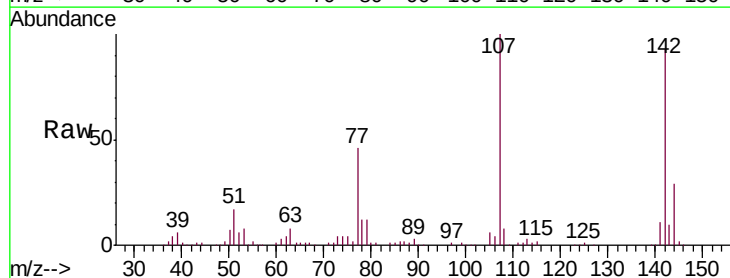
Tgt Ion: 113 Resp: 5253

Ion Ratio Lower Upper

113 100

55 59.1 142.4 213.6#

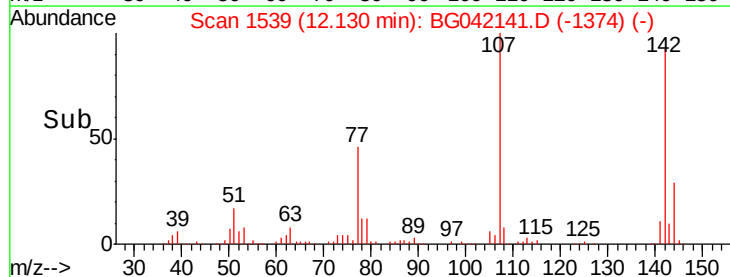
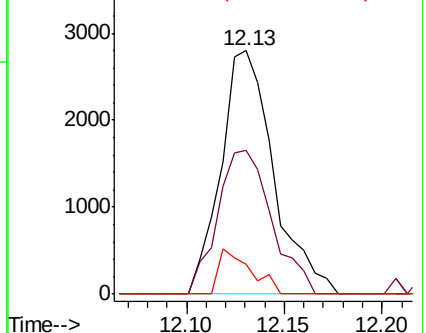
56 12.1 109.4 164.2#

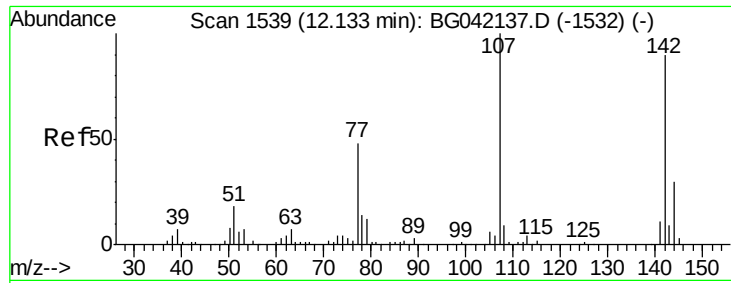


Abundance Ion 113.00 (112.70 to 113.70): BGC

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC

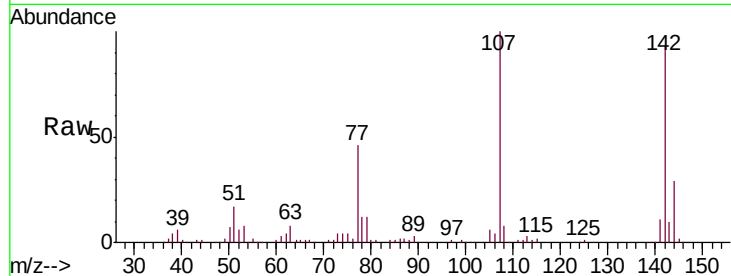




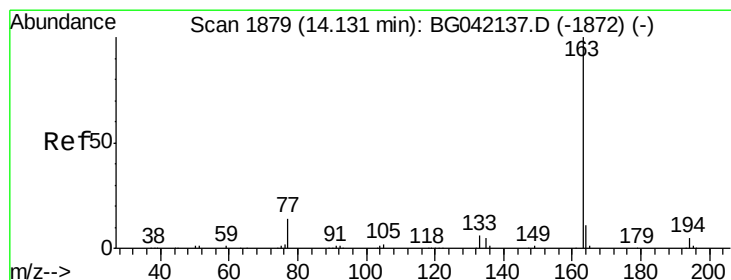
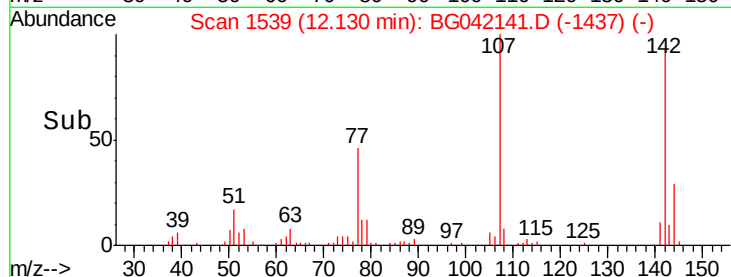
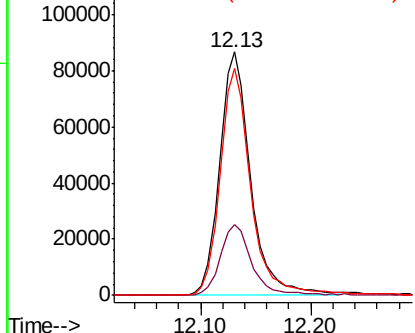
#33
4-Chloro-3-methylphenol
Concen: 24.643 ng/ul
RT: 12.13 min Scan# 1539
Delta R.T. -0.00 min
Lab File: BG042141.D
Acq: 12 Aug 2019 11:57

Instrument :
BNA_G
ClientSampleId :
ETOD7MSD

Tgt Ion:107 Resp: 169892
Ion Ratio Lower Upper
107 100
144 29.3 23.0 34.6
142 93.2 71.0 106.6

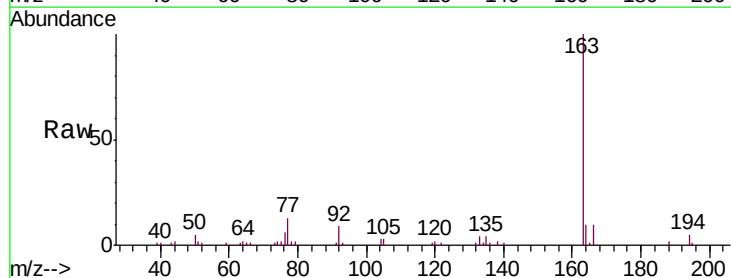


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

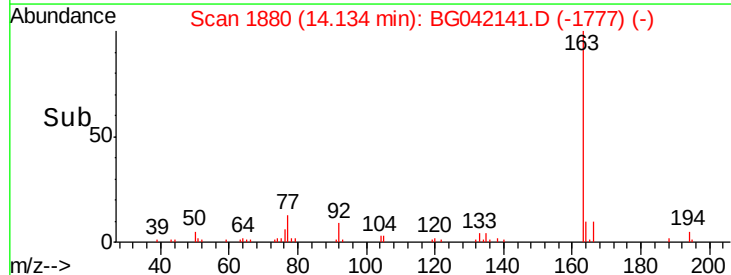
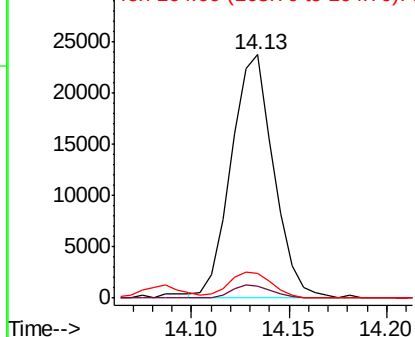


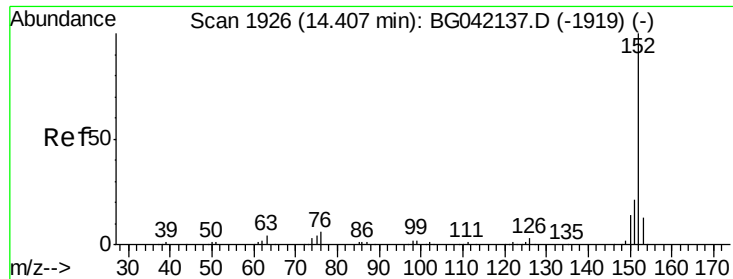
#44
Dimethylphthalate
Concen: 1.636 ng/ul
RT: 14.13 min Scan# 1880
Delta R.T. 0.00 min
Lab File: BG042141.D
Acq: 12 Aug 2019 11:57

Tgt Ion:163 Resp: 35882
Ion Ratio Lower Upper
163 100
194 5.0 4.2 6.2
164 10.4 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: 9.856 ng/ul

RT: 14.75 min Scan# 1985

Delta R.T. 0.34 min

Lab File: BG042141.D

Acq: 12 Aug 2019 11:57

Instrument :

BNA_G

ClientSampleId :

ETOD7MSD

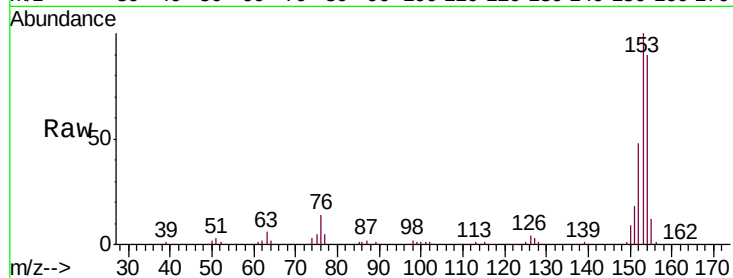
Tgt Ion:152 Resp: 250980

Ion Ratio Lower Upper

152 100

151 38.3 16.8 25.2#

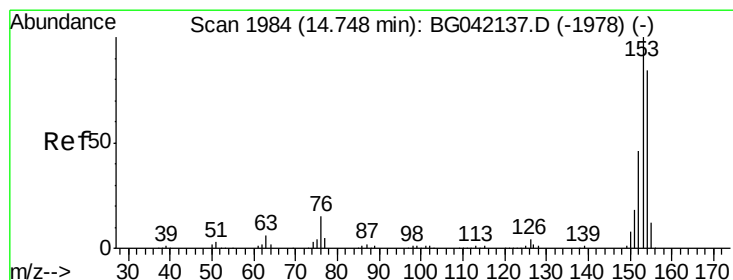
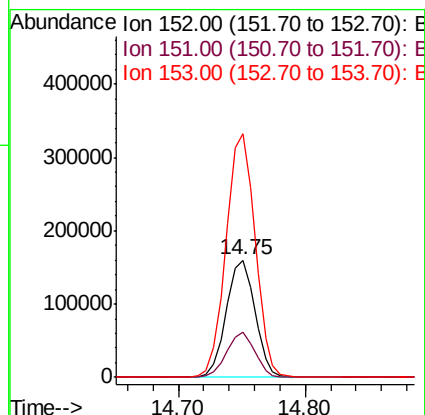
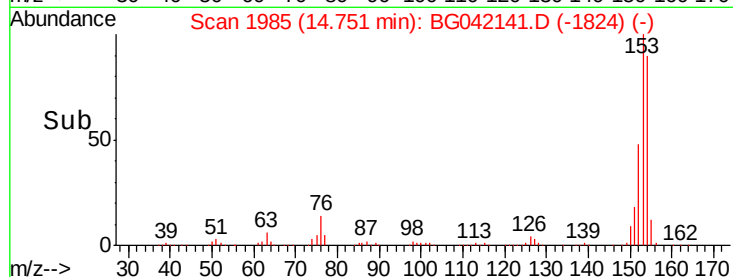
153 208.1 10.3 15.5#



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



#49

Acenaphthene

Concen: 29.592 ng/ul

RT: 14.75 min Scan# 1985

Delta R.T. 0.00 min

Lab File: BG042141.D

Acq: 12 Aug 2019 11:57

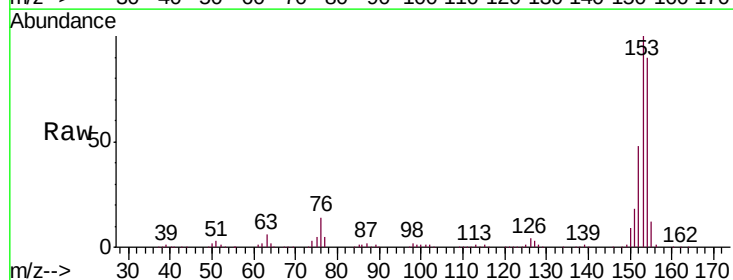
Tgt Ion:153 Resp: 526919

Ion Ratio Lower Upper

153 100

152 48.0 37.8 56.8

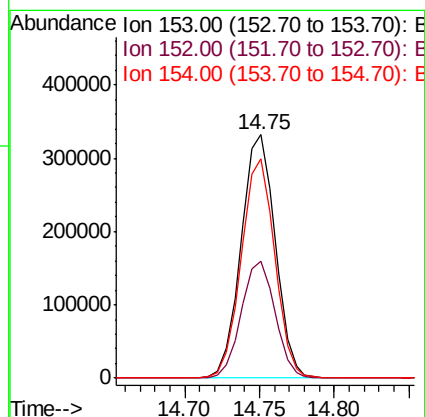
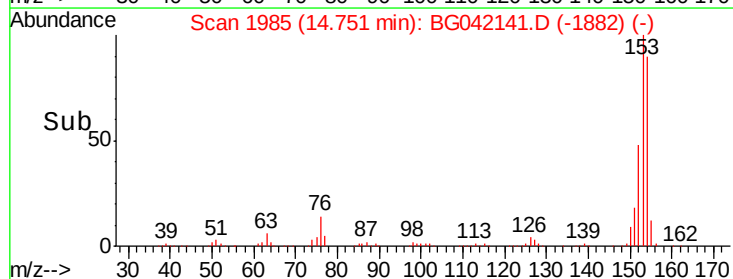
154 90.1 69.4 104.2

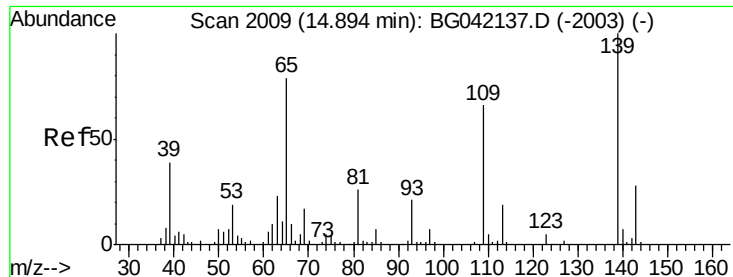


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 5.422 ng/ul

RT: 14.90 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BG042141.D

Acq: 12 Aug 2019 11:57

Instrument :

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ClientSampleId :

ETOD7MSD

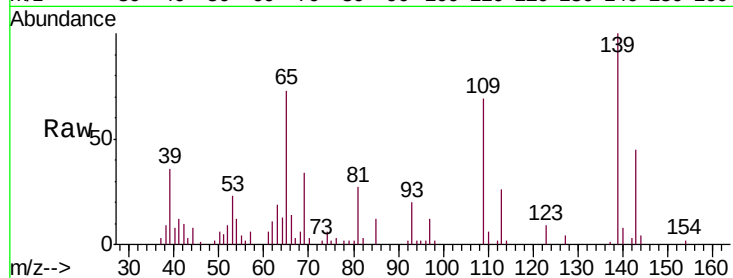
Tgt Ion:109 Resp: 14900

Ion Ratio Lower Upper

109 100

139 145.0 111.8 167.6

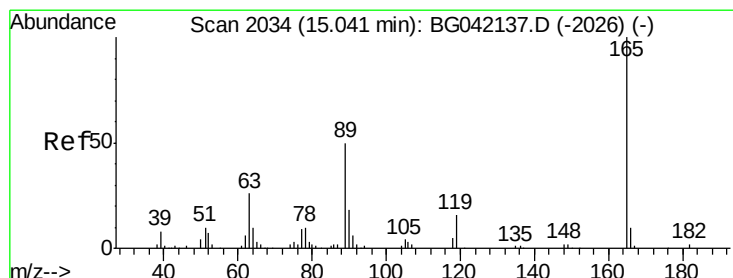
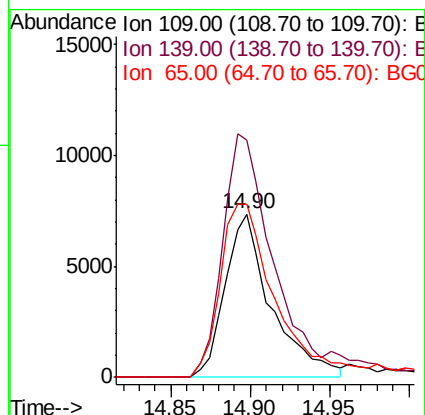
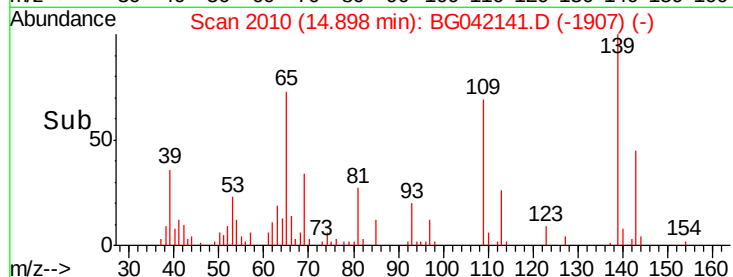
65 106.2 103.6 155.4



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC



#54

2,4-Dinitrotoluene

Concen: 29.580 ng/ul

RT: 15.04 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BG042141.D

Acq: 12 Aug 2019 11:57

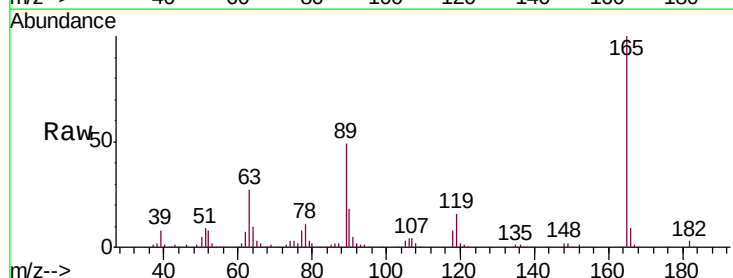
Tgt Ion:165 Resp: 205165

Ion Ratio Lower Upper

165 100

63 26.7 29.4 44.2#

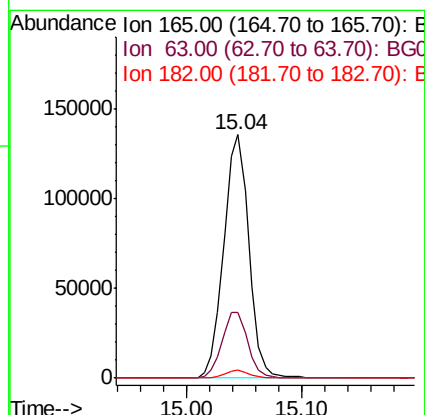
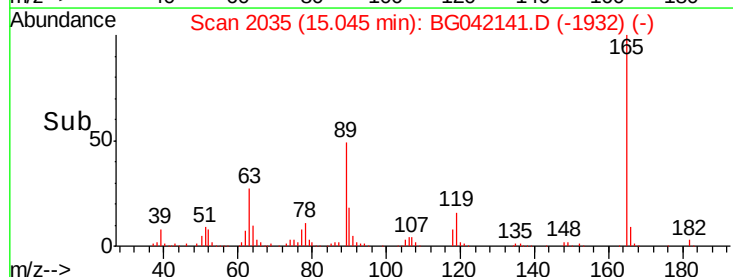
182 3.2 2.6 4.0

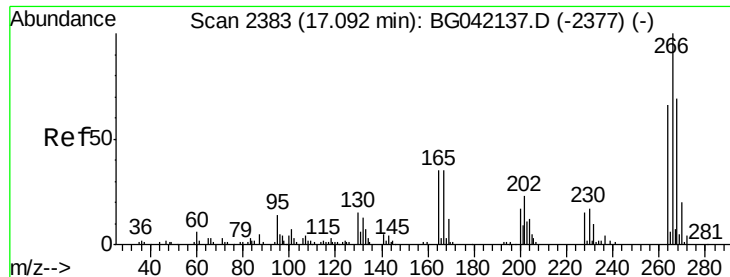


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 182.00 (181.70 to 182.70): E





#68

Pentachlorophenol

Concen: 37.032 ng/ul

RT: 17.09 min Scan# 2383

Delta R.T. -0.00 min

Lab File: BG042141.D

Acq: 12 Aug 2019 11:57

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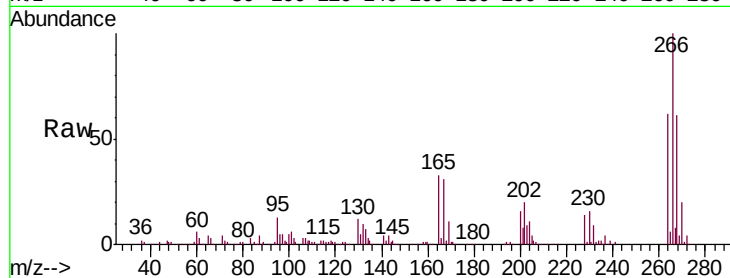
Tgt Ion:266 Resp: 159554

Ion Ratio Lower Upper

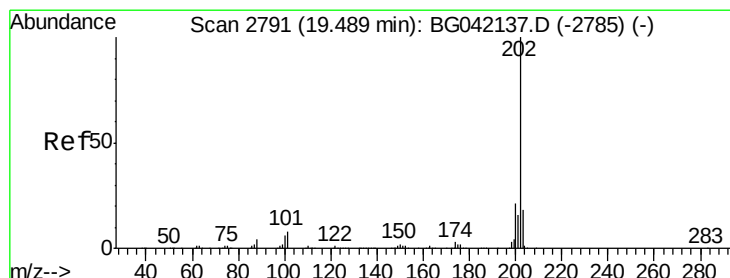
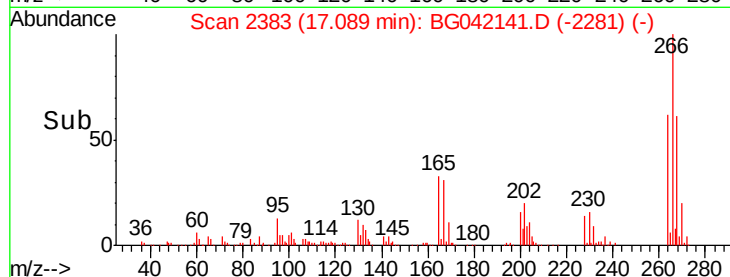
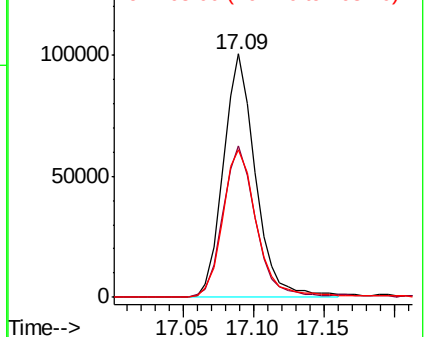
266 100

264 62.3 52.3 78.5

268 60.7 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: 32.227 ng/ul

RT: 19.86 min Scan# 2854

Delta R.T. 0.37 min

Lab File: BG042141.D

Acq: 12 Aug 2019 11:57

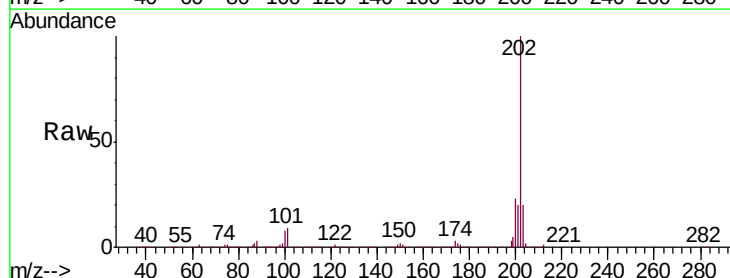
Tgt Ion:202 Resp: 1212774

Ion Ratio Lower Upper

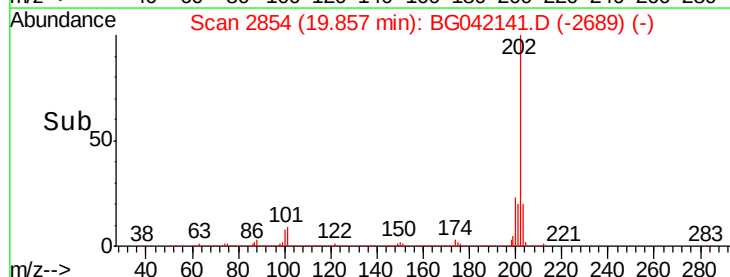
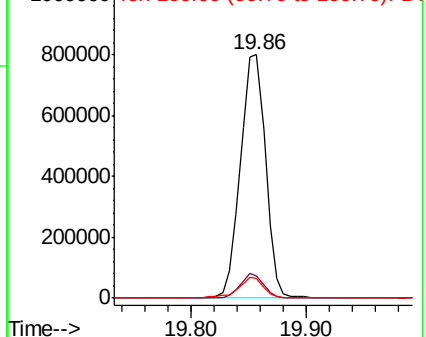
202 100

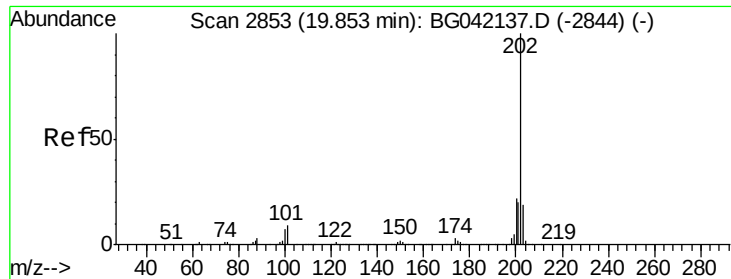
101 9.3 6.7 10.1

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: 29.909 ng/ul

RT: 19.86 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG042141.D

Acq: 12 Aug 2019 11:57

Instrument :

BNA_G

ClientSampleId :

ETOD7MSD

Tgt Ion:202 Resp: 1212774

Ion Ratio Lower Upper

202 100

101 9.3 7.6 11.4

100 7.8 6.5 9.7

