

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073120\
 Data File : BG046139.D
 Acq On : 1 Aug 2020 1:33
 Operator : CG/JU
 Sample : L3507-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-01-073020

Quant Time: Aug 01 03:46:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 30 18:43:49 2020
 Response via : Initial Calibration

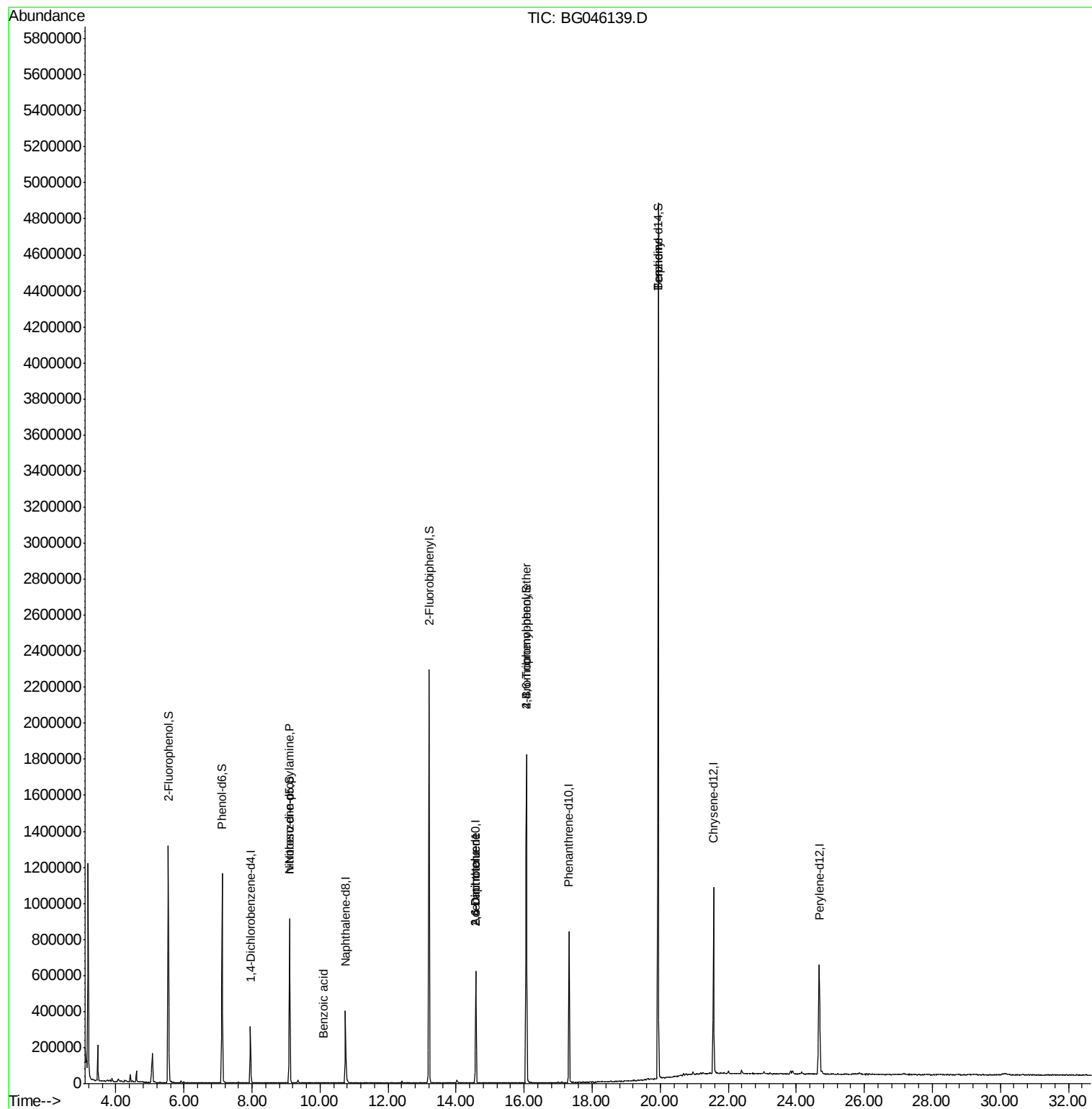
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	92899	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	355900	20.00	ng	0.00
39) Acenaphthene-d10	14.58	164	220186	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	524912	20.00	ng	0.00
76) Chrysene-d12	21.57	240	636106	20.00	ng	0.00
86) Perylene-d12	24.67	264	640317	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	574672	107.54	ng	0.00
7) Phenol-d6	7.12	99	673351	92.45	ng	0.00
23) Nitrobenzene-d5	9.10	82	550496	83.75	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	397805	117.62	ng	0.00
45) 2-Fluorobiphenyl	13.20	172	1191892	78.63	ng	0.00
79) Terphenyl-d14	19.94	244	2099382	67.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	72098	15.210	ng	# 78
32) Benzoic acid	10.10	122	115	9.434	ng	# 58
51) 2,6-Dinitrotoluene	14.58	165	29652	7.539	ng	# 29
57) 2,4-Dinitrotoluene	14.58	165	29652	5.483	ng	# 29
67) 4-Bromophenyl-phenylether	16.07	248	24841	3.831	ng	# 1
77) Benzidine	19.93	184	36600	2.031	ng	99

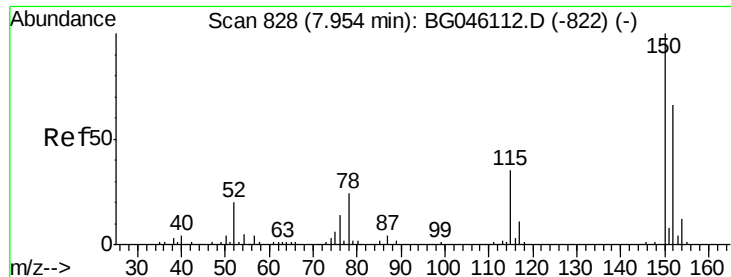
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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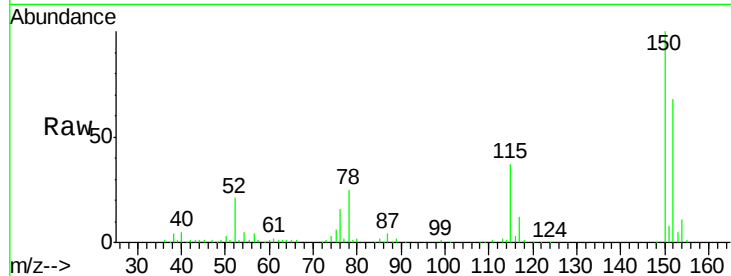


#1

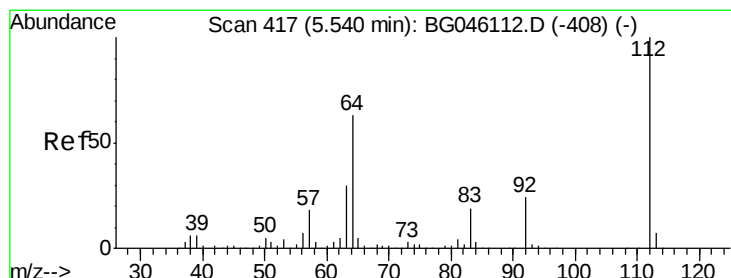
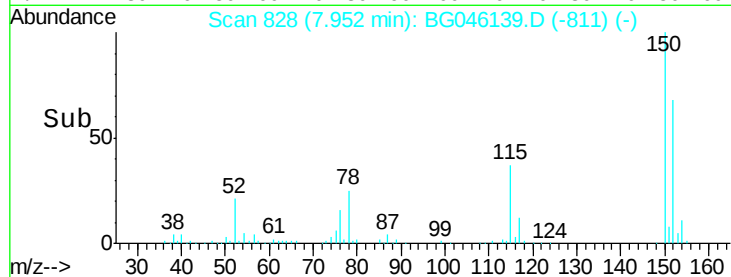
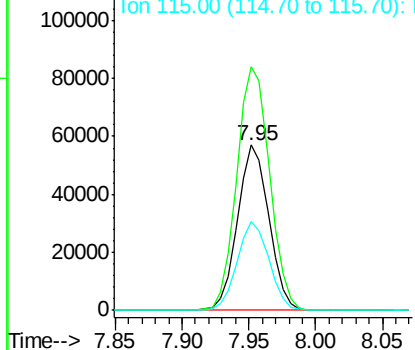
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.00 min
Lab File: BG046139.D
Acq: 1 Aug 2020 1:33

Instrument :
BNA_G
ClientSampled :
SU-01-073020

Tot Ion:152 Resp: 92899
Ion Ratio Lower Upper
152 100
150 147.3 122.1 183.1
115 53.9 43.2 64.8



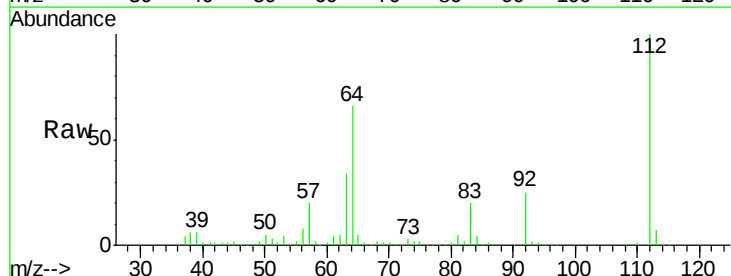
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



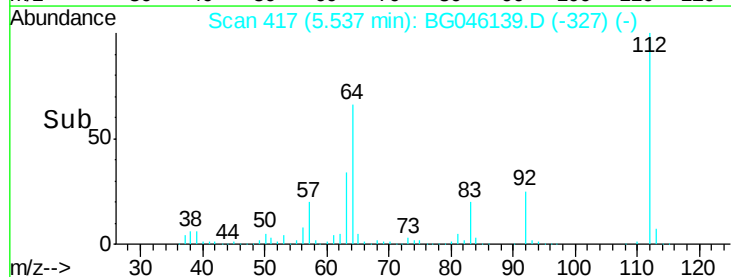
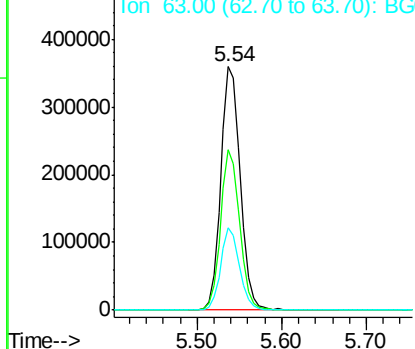
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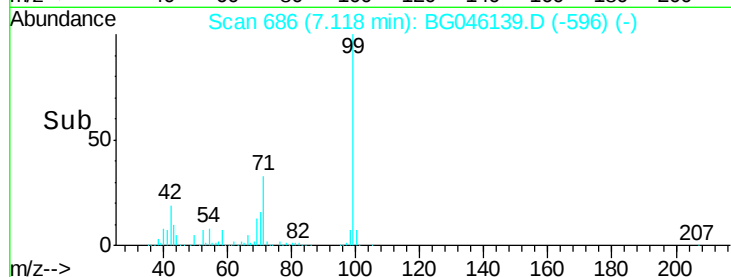
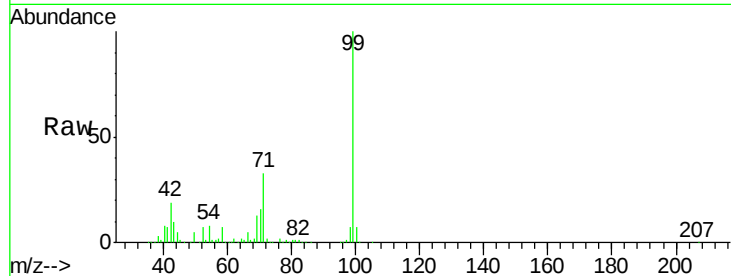
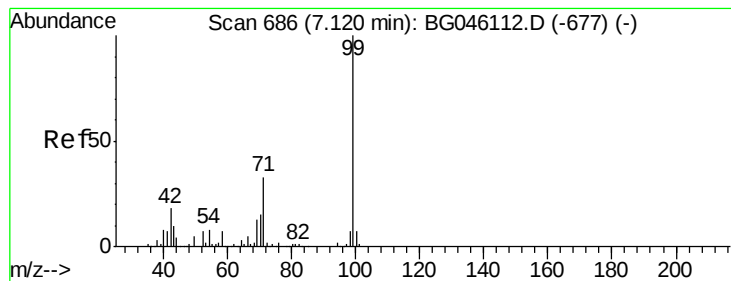
2-Fluorophenol
Concen: 107.535 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG046139.D
Acq: 1 Aug 2020 1:33

Tgt Ion:112 Resp: 574672
Ion Ratio Lower Upper
112 100
64 66.1 50.2 75.2
63 34.0 24.2 36.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 92.453 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG046139.D

Acq: 1 Aug 2020 1:33

Instrument :

BNA_G

ClientSampleId :

SU-01-073020

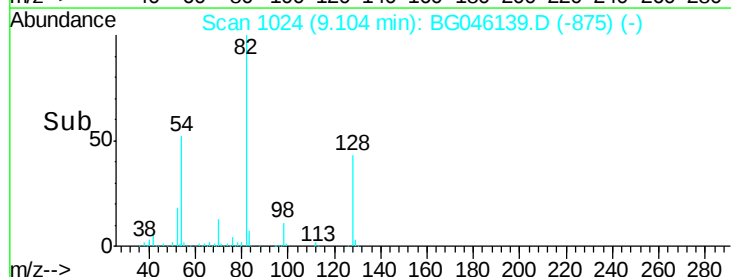
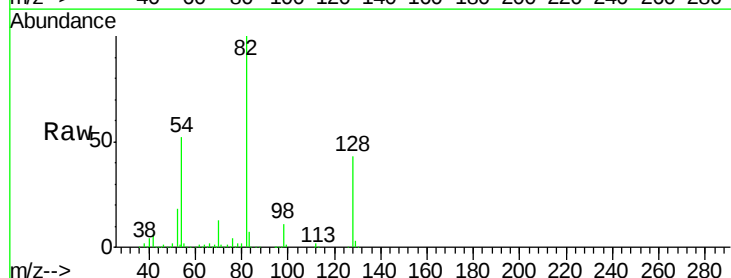
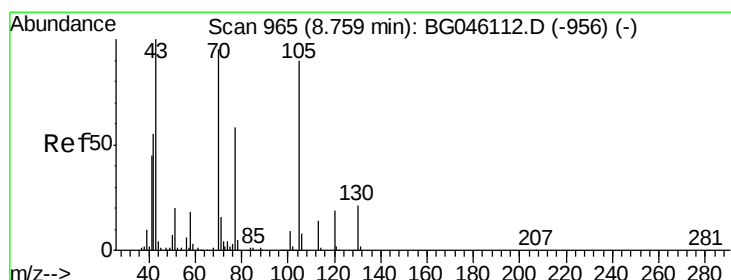
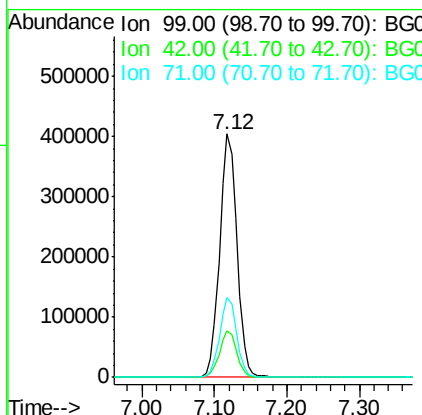
Tot Ion: 99 Resp: 673351

Ion Ratio Lower Upper

99 100

42 19.1 14.7 22.1

71 32.7 26.5 39.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.210 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.34 min

Lab File: BG046139.D

Acq: 1 Aug 2020 1:33

Tgt Ion: 70 Resp: 72098

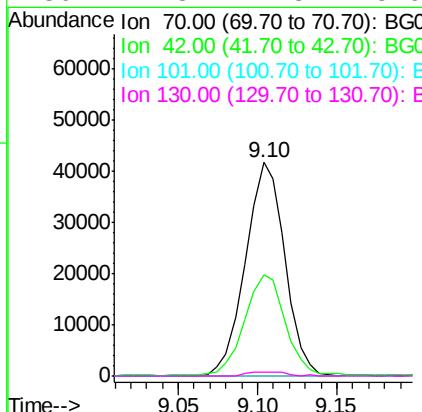
Ion Ratio Lower Upper

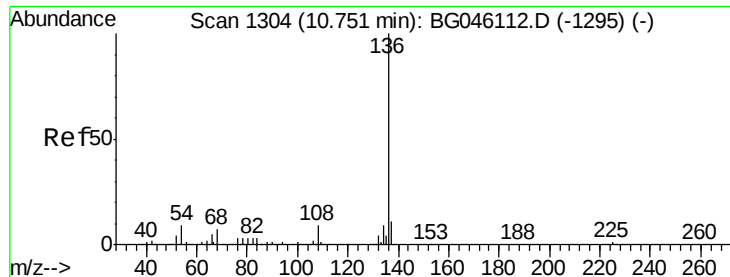
70 100

42 47.3 46.5 69.7

101 0.0 7.6 11.4#

130 1.8 17.3 25.9#

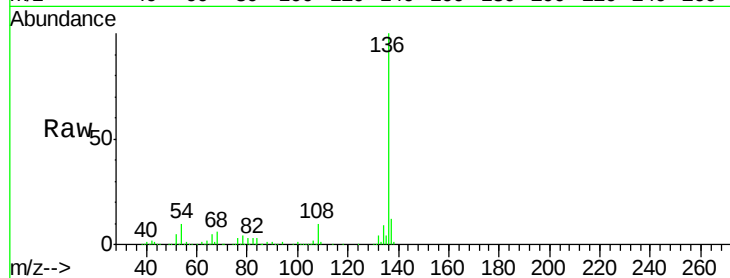




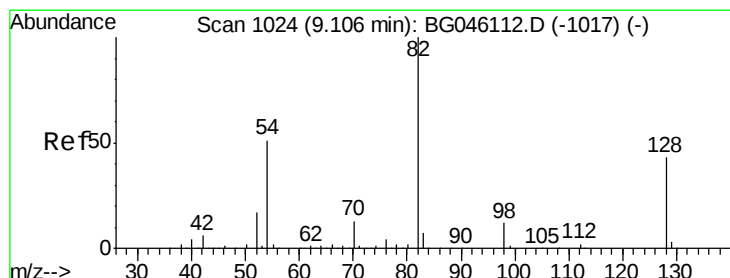
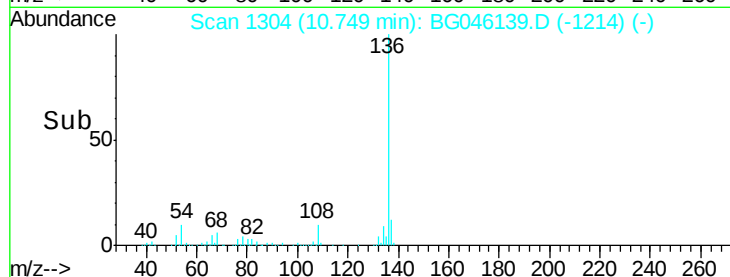
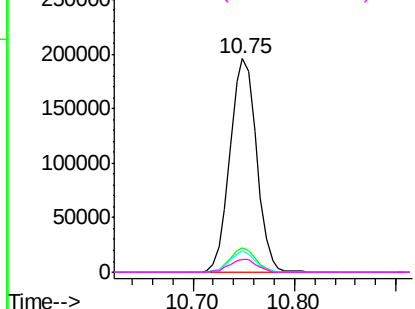
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BG046139.D
Acq: 1 Aug 2020 1:33

Instrument :
BNA_G
ClientSampleId :
SU-01-073020

Tot Ion:136	Resp:	355900	
Ion Ratio	Lower	Upper	
136 100			
137 11.5	8.8	13.2	
54 10.0	7.0	10.4	
68 5.8	5.3	7.9	

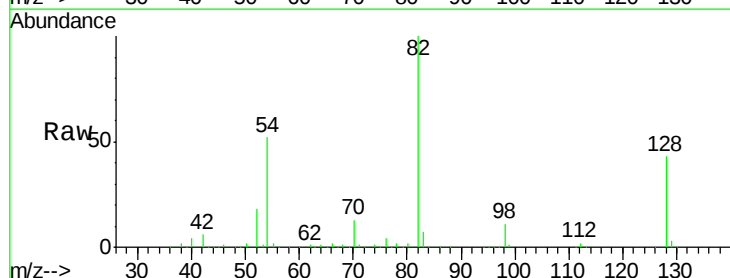


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

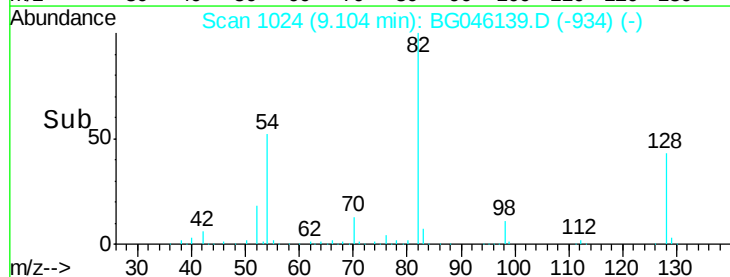
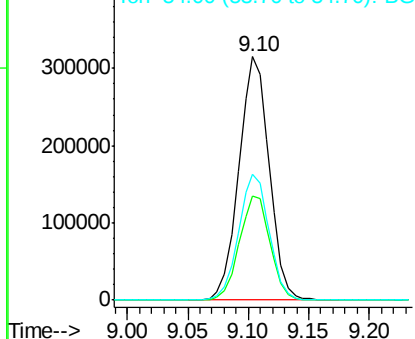


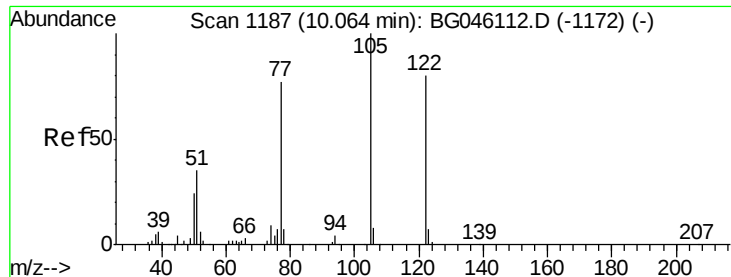
#23
Nitrobenzene-d5
Concen: 83.747 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BG046139.D
Acq: 1 Aug 2020 1:33

Tgt	Ion: 82	Resp:	550496
Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.4	51.6
54	51.9	40.8	61.2



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 9.434 ng

RT: 10.10 min Scan# 1193

Delta R.T. 0.03 min

Lab File: BG046139.D

Acq: 1 Aug 2020 1:33

Instrument :

BNA_G

ClientSampleId :

SU-01-073020

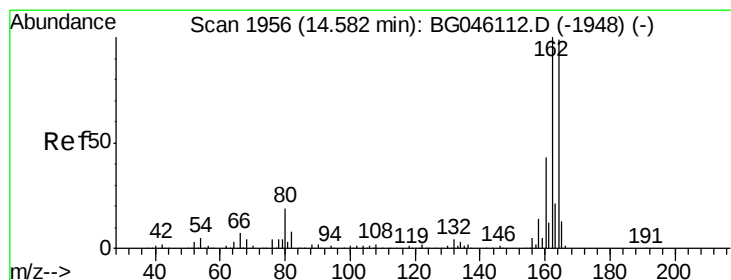
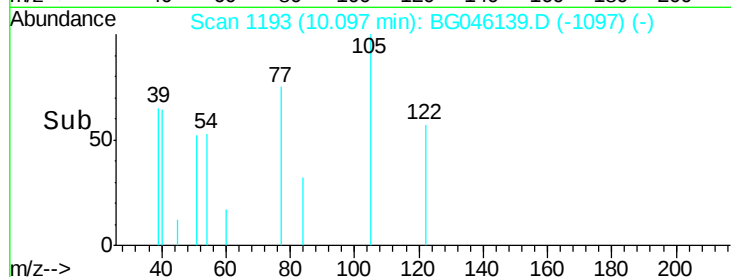
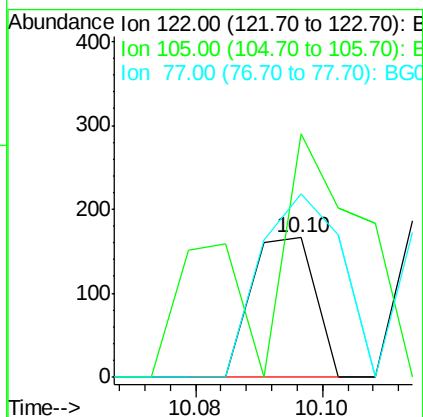
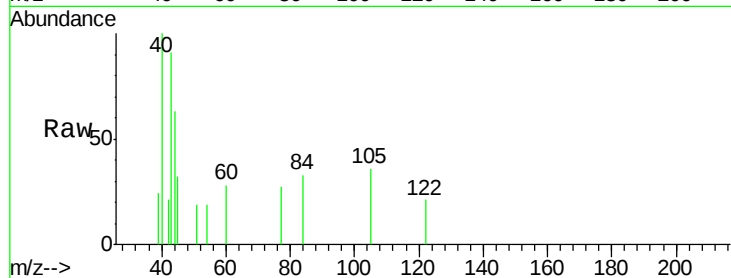
Tot Ion:122 Resp: 115

Ion Ratio Lower Upper

122 100

105 174.7 103.0 143.0#

77 131.3 75.2 115.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.00 min

Lab File: BG046139.D

Acq: 1 Aug 2020 1:33

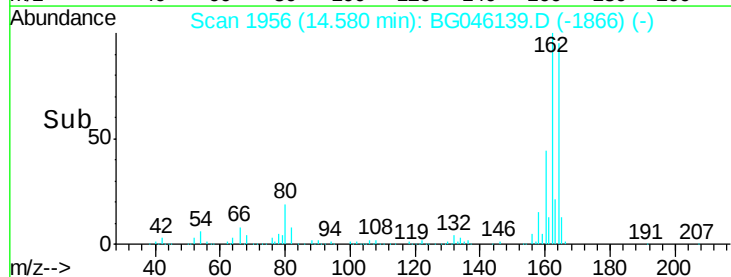
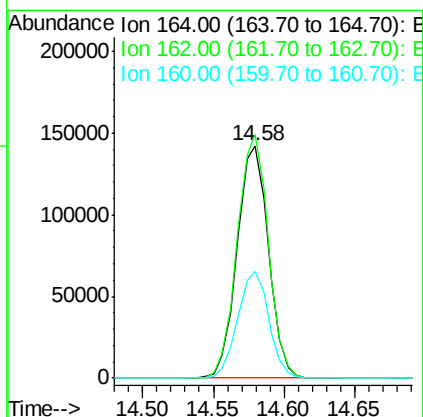
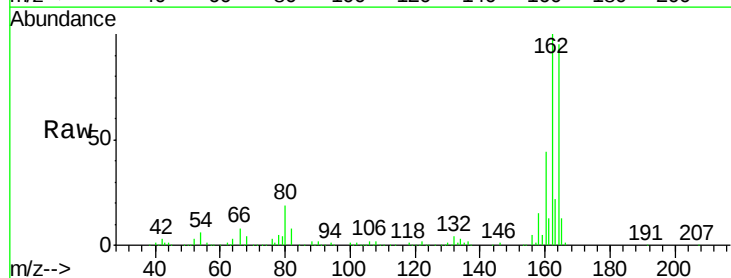
Tgt Ion:164 Resp: 220186

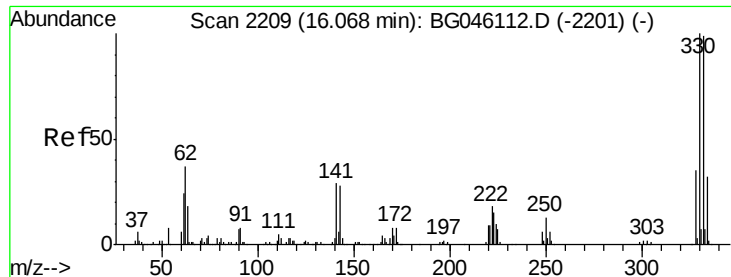
Ion Ratio Lower Upper

164 100

162 104.7 80.6 121.0

160 45.8 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 117.624 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BG046139.D

Acq: 1 Aug 2020 1:33

Instrument :

BNA_G

ClientSampleId :

SU-01-073020

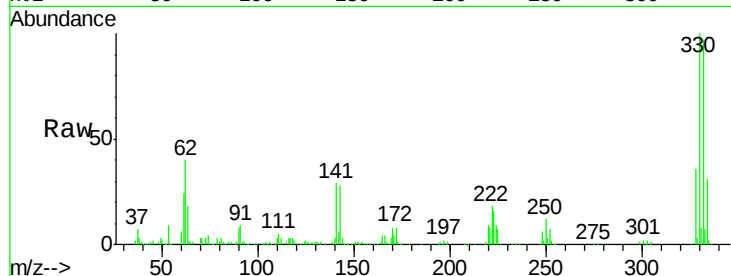
Tot Ion:330 Resp: 397805

Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.2

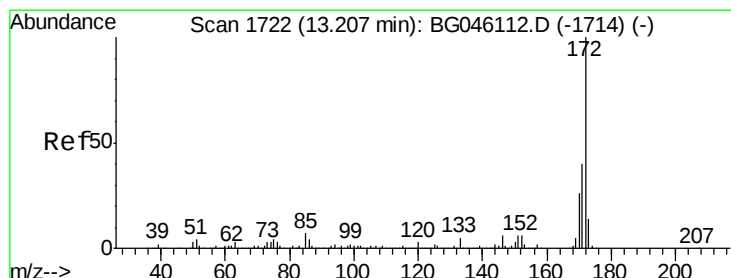
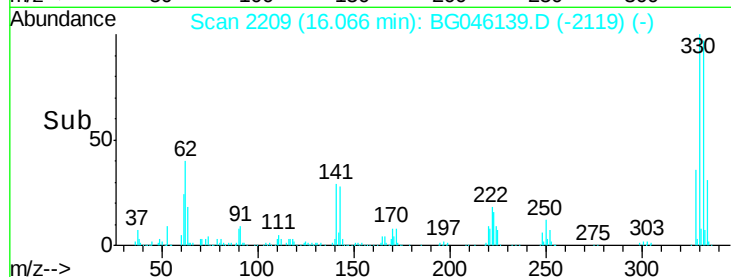
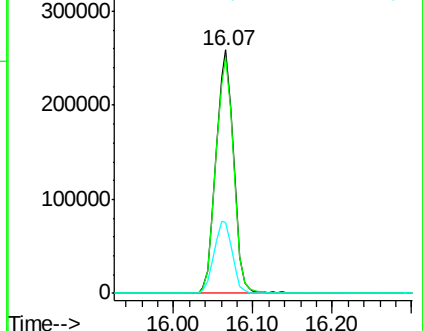
141 30.9 23.4 35.0



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 78.633 ng

RT: 13.20 min Scan# 1722

Delta R.T. -0.00 min

Lab File: BG046139.D

Acq: 1 Aug 2020 1:33

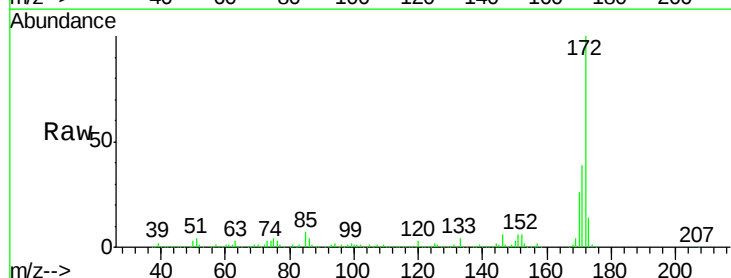
Tgt Ion:172 Resp: 1191892

Ion Ratio Lower Upper

172 100

171 38.8 31.7 47.5

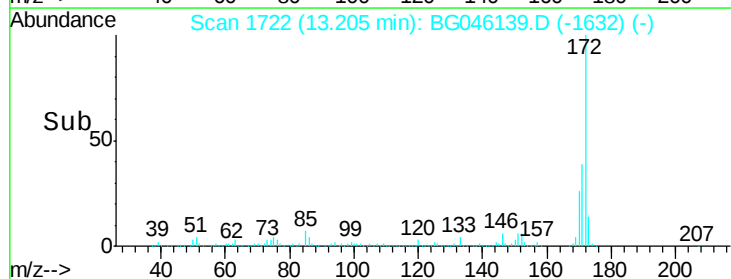
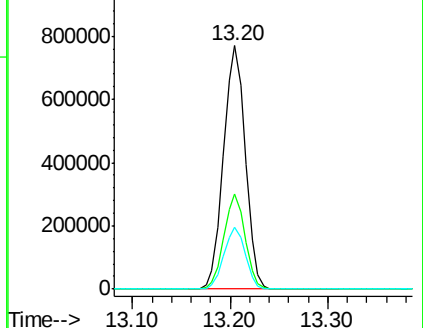
170 25.6 20.9 31.3

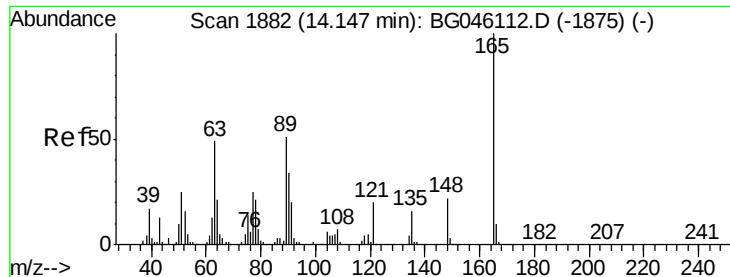


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.539 ng

RT: 14.58 min Scan# 1956

Delta R.T. 0.43 min

Lab File: BG046139.D

Acq: 1 Aug 2020 1:33

Instrument :

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ClientSampleId :

SU-01-073020

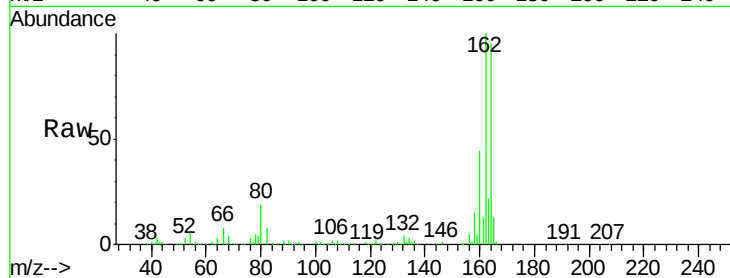
Tot Ion:165 Resp: 29652

Ion Ratio Lower Upper

165 100

63 1.3 39.7 59.5#

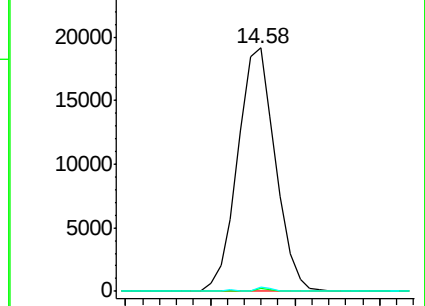
89 1.6 41.0 61.6#



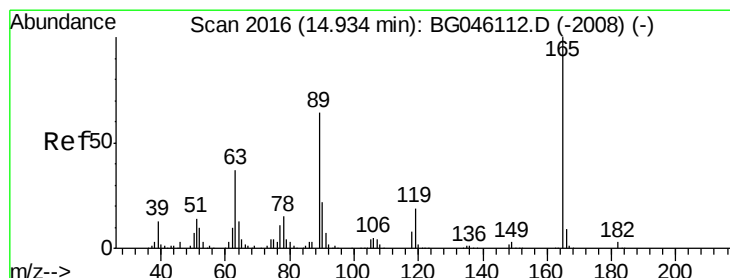
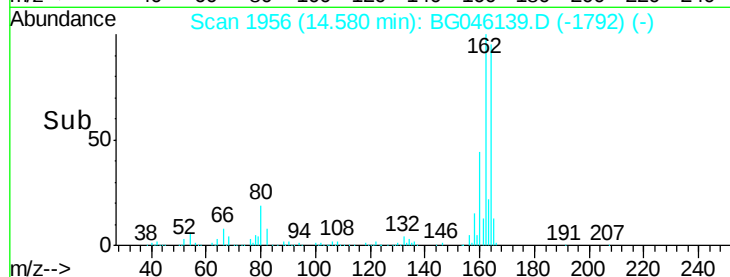
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time--> 14.50 14.55 14.60 14.65



#57

2,4-Dinitrotoluene

Concen: 5.483 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.35 min

Lab File: BG046139.D

Acq: 1 Aug 2020 1:33

Tgt Ion:165 Resp: 29652

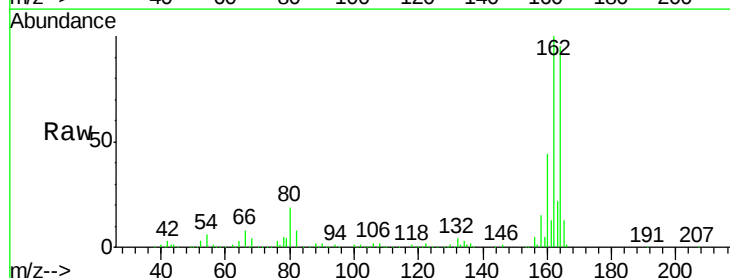
Ion Ratio Lower Upper

165 100

63 1.3 30.1 45.1#

89 1.6 51.4 77.2#

182 0.0 2.3 3.5#

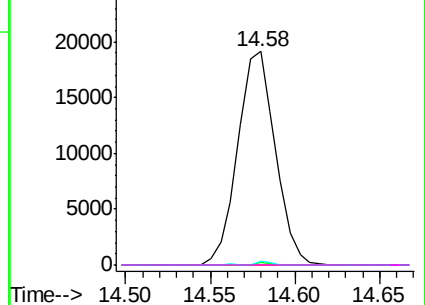


Abundance Ion 165.00 (164.70 to 165.70): E

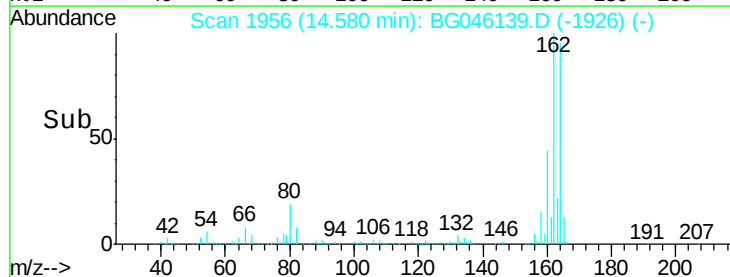
Ion 63.00 (62.70 to 63.70): BGC

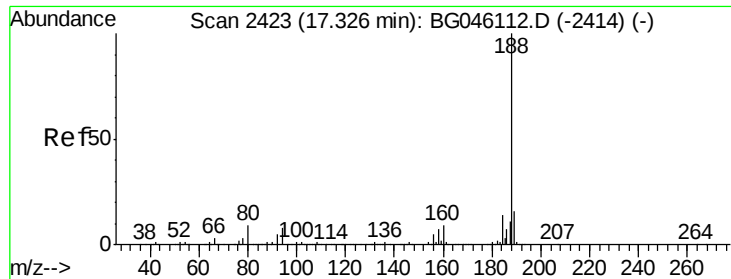
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time--> 14.50 14.55 14.60 14.65





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.32 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG046139.D

Acq: 1 Aug 2020 1:33

Instrument :

BNA_G

ClientSampleId :

SU-01-073020

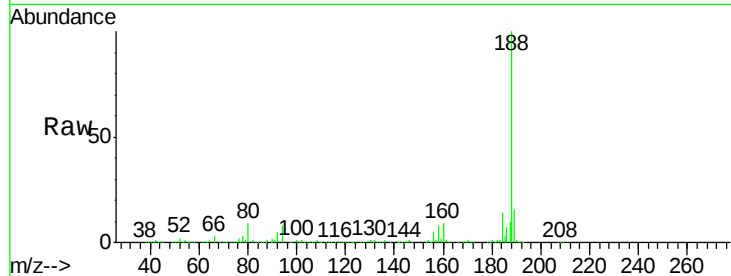
Tot Ion:188 Resp: 524912

Ion Ratio Lower Upper

188 100

94 8.4 6.4 9.6

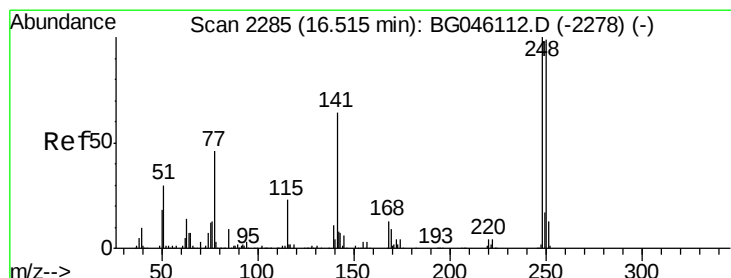
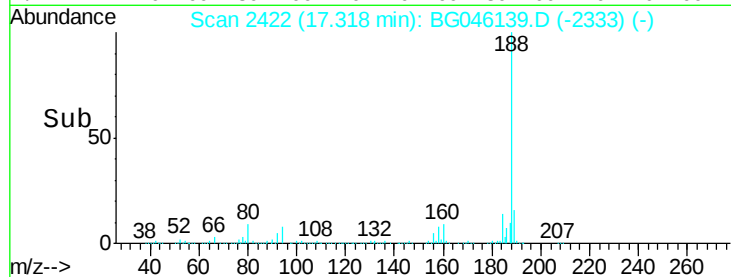
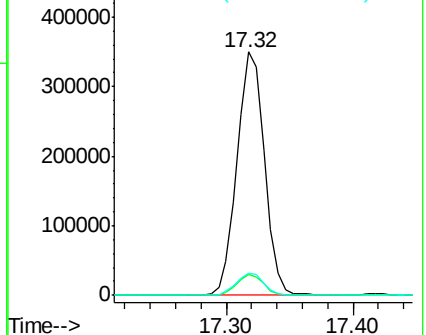
80 9.1 7.4 11.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 3.831 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.45 min

Lab File: BG046139.D

Acq: 1 Aug 2020 1:33

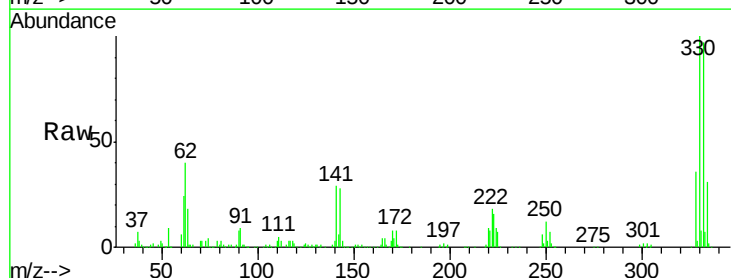
Tgt Ion:248 Resp: 24841

Ion Ratio Lower Upper

248 100

250 193.9 79.4 119.0#

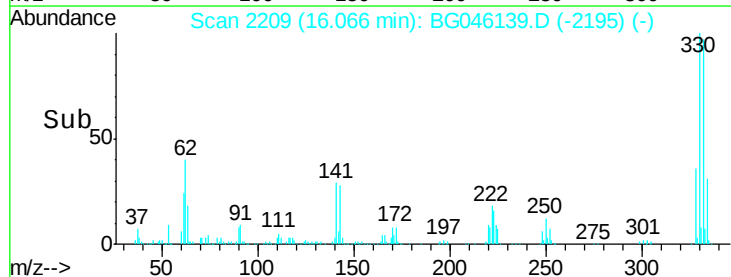
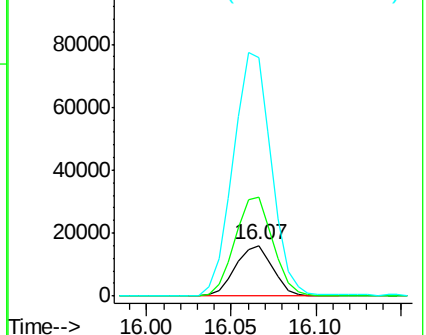
141 469.7 50.9 76.3#

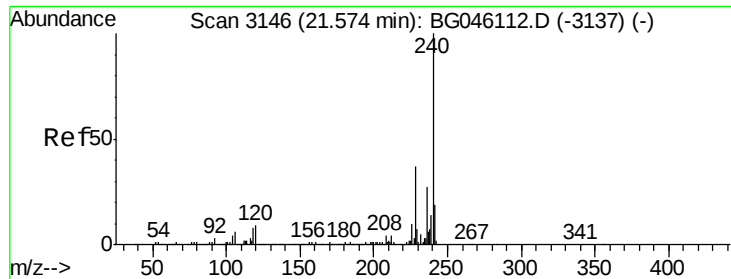


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG046139.D

Acq: 1 Aug 2020 1:33

Instrument :

BNA_G

ClientSampleId :

SU-01-073020

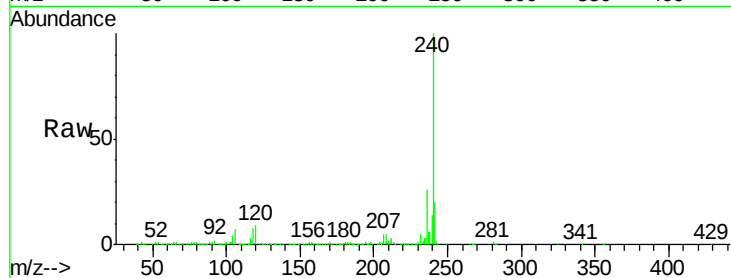
Tot Ion:240 Resp: 636106

Ion Ratio Lower Upper

240 100

120 8.6 7.1 10.7

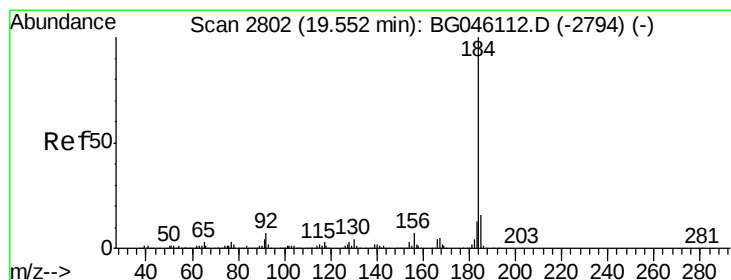
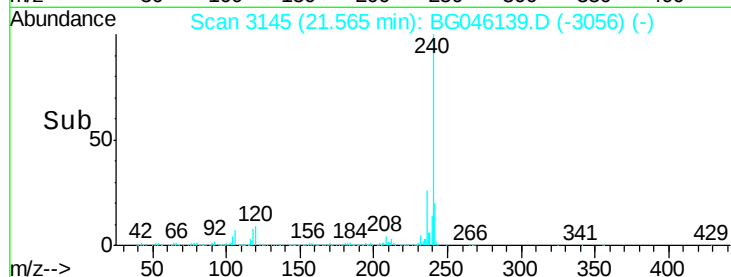
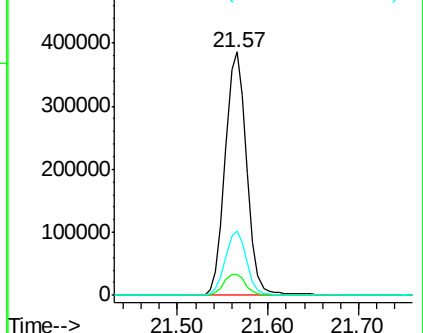
236 26.5 21.7 32.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 2.031 ng

RT: 19.93 min Scan# 2867

Delta R.T. 0.38 min

Lab File: BG046139.D

Acq: 1 Aug 2020 1:33

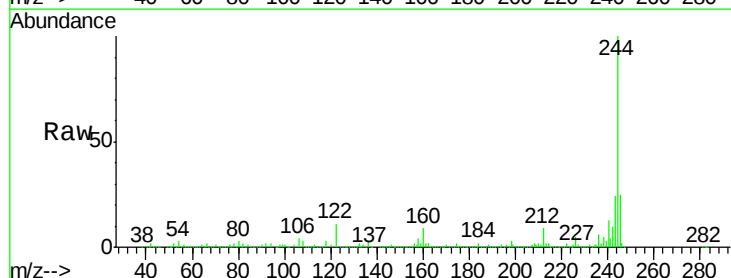
Tgt Ion:184 Resp: 36600

Ion Ratio Lower Upper

184 100

185 15.5 13.0 19.4

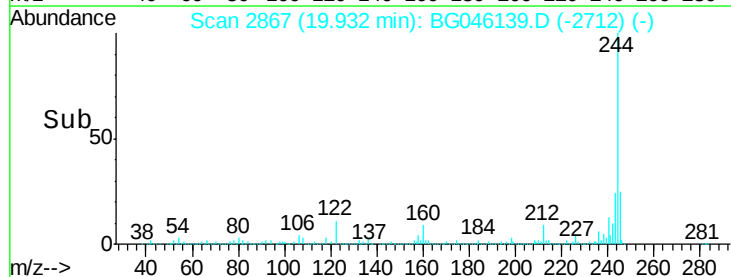
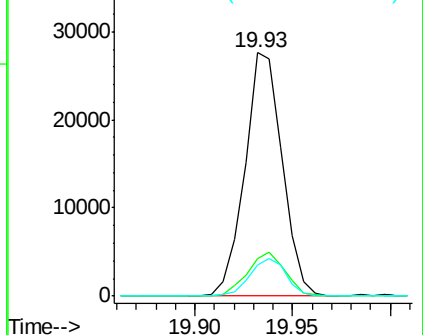
183 13.0 10.5 15.7

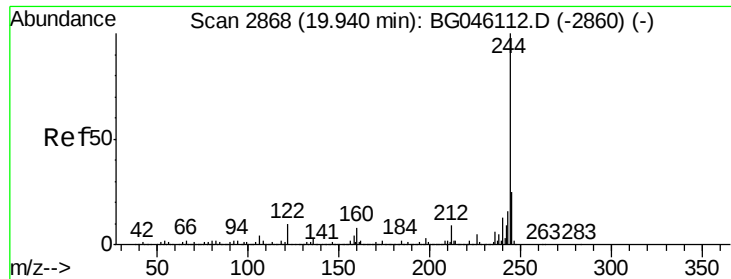


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 67.216 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BG046139.D

Acq: 1 Aug 2020 1:33

Instrument :

BNA_G

ClientSampleId :

SU-01-073020

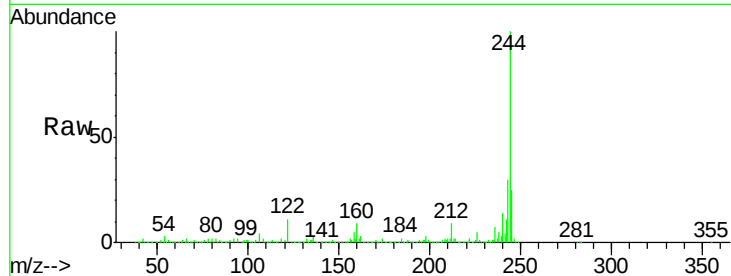
Tot Ion:244 Resp: 2099382

Ion Ratio Lower Upper

244 100

212 9.3 7.2 10.8

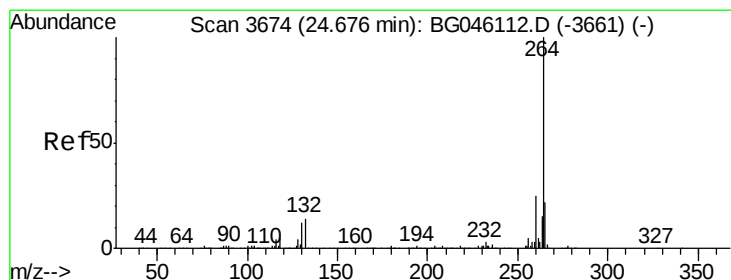
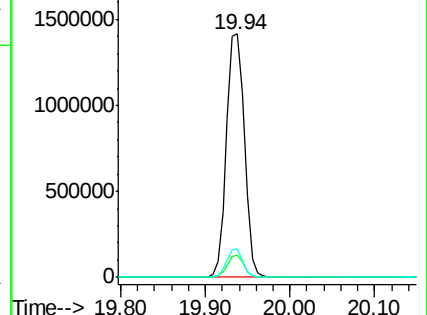
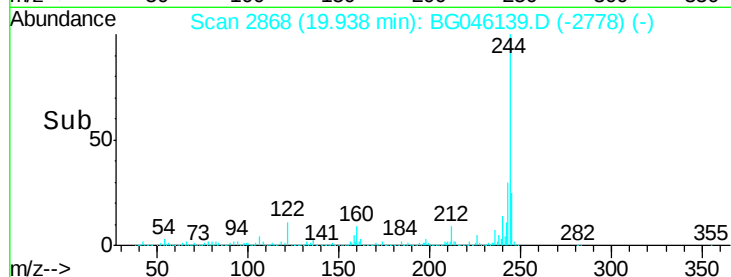
122 11.5 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.67 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BG046139.D

Acq: 1 Aug 2020 1:33

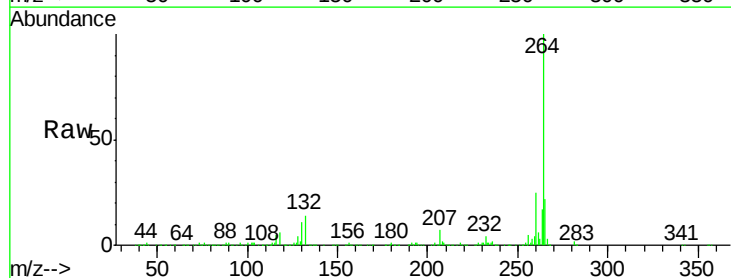
Tgt Ion:264 Resp: 640317

Ion Ratio Lower Upper

264 100

260 25.2 19.7 29.5

265 22.3 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

