

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071420\
 Data File : BG046046.D
 Acq On : 14 Jul 2020 23:51
 Operator : CG/JU
 Sample : L3283-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T-2

Quant Time: Jul 15 00:39:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:58:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	125826	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	488830	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	291532	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	621549	20.00	ng	0.00
76) Chrysene-d12	21.62	240	596563	20.00	ng	0.00
86) Perylene-d12	24.77	264	603131	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	732	0.09	ng	0.01
7) Phenol-d6	7.17	99	4422	0.40	ng	0.00
23) Nitrobenzene-d5	9.15	82	510228	60.08	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	72	0.03	ng	0.13
45) 2-Fluorobiphenyl	13.25	172	975857	52.21	ng	0.00
79) Terphenyl-d14	19.98	244	1274676	47.55	ng	0.00

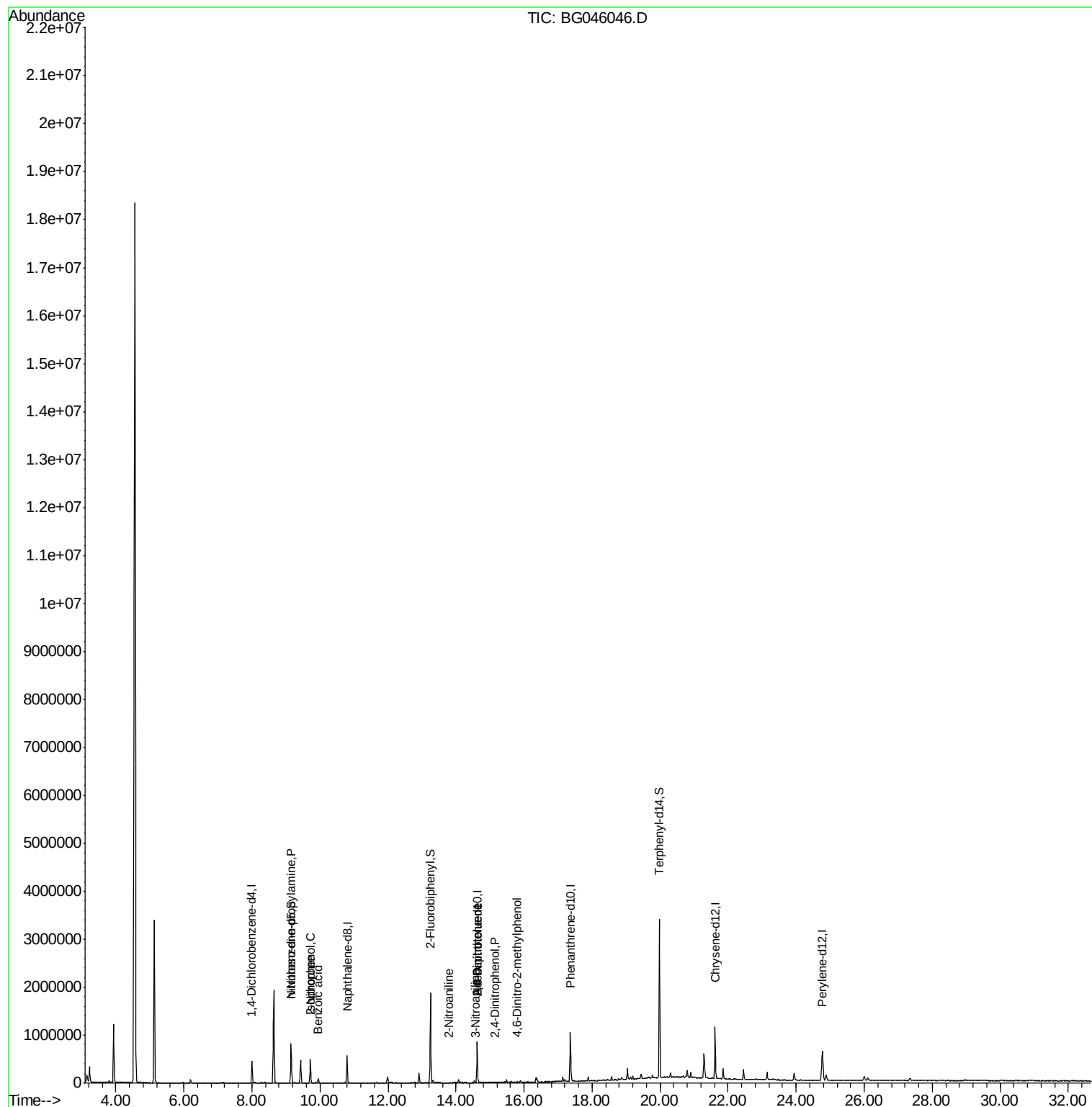
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.15	70	67727	8.630	ng	# 77
25) Isophorone	9.72	82	392715	18.942	ng	# 99
26) 2-Nitrophenol	9.72	139	6169	2.019	ng	# 64
32) Benzoic acid	9.94	122	1251	6.747	ng	# 17
48) 2-Nitroaniline	13.78	65	109	3.391	ng	# 7
51) 2,6-Dinitrotoluene	14.62	165	39137	12.622	ng	# 18
53) 3-Nitroaniline	14.58	138	69	2.996	ng	# 1
54) 2,4-Dinitrophenol	15.14	184	56	6.146	ng	# 17
57) 2,4-Dinitrotoluene	14.62	165	39137	11.115	ng	# 20
65) 4,6-Dinitro-2-methylphenol	15.81	198	55	6.813	ng	# 1

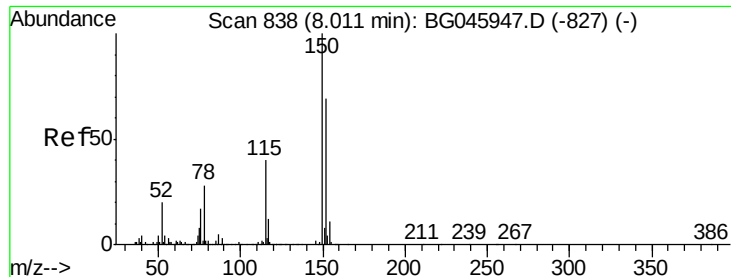
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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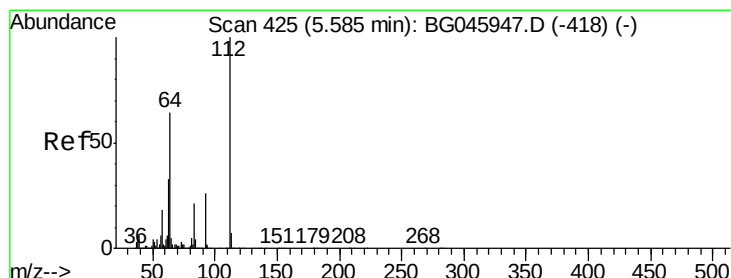
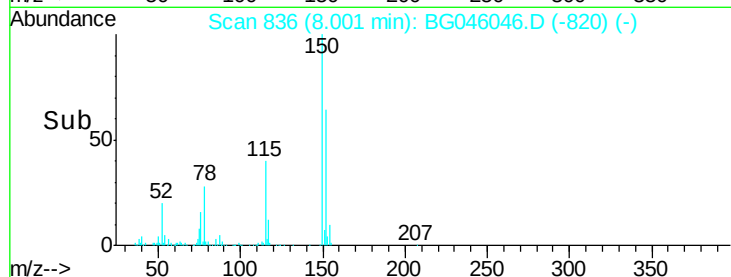
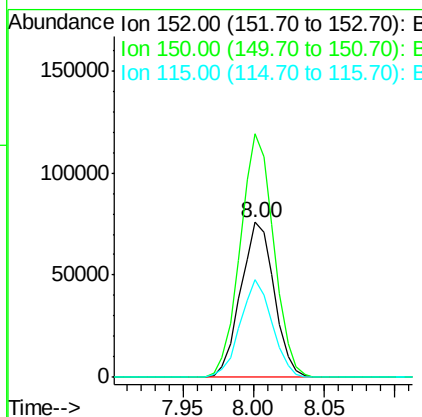
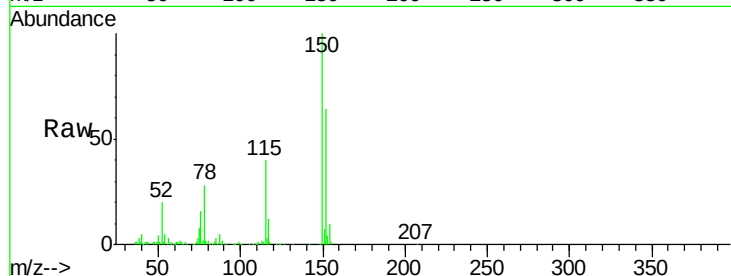


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG046046.D
Acq: 14 Jul 2020 23:51

Instrument :
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ClientSampleId :
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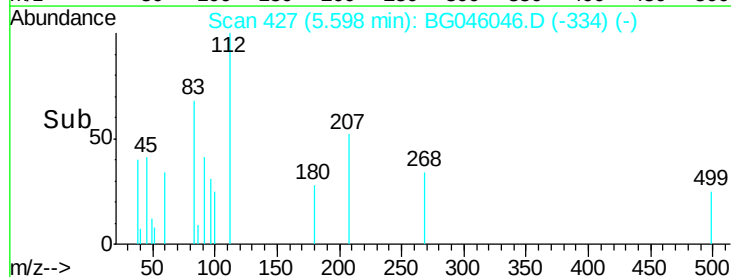
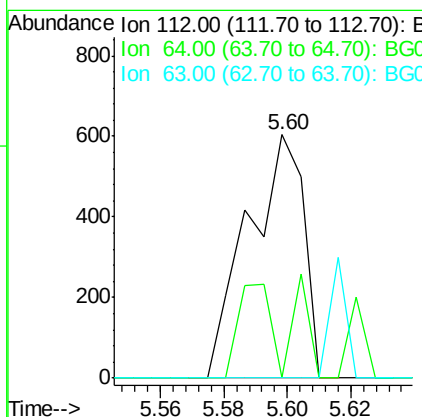
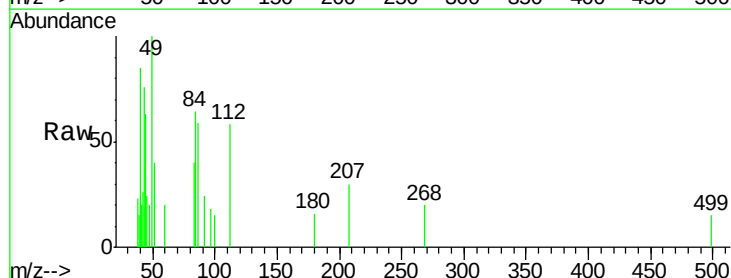
Tot Ion:152 Resp: 125826
Ion Ratio Lower Upper
152 100
150 157.0 116.7 175.1
115 62.8 47.4 71.0

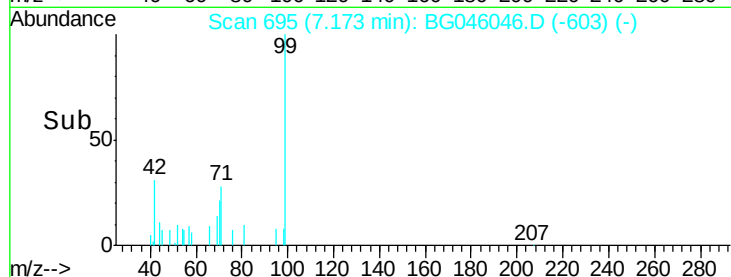
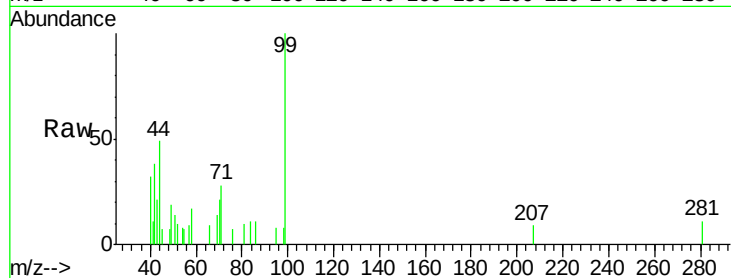
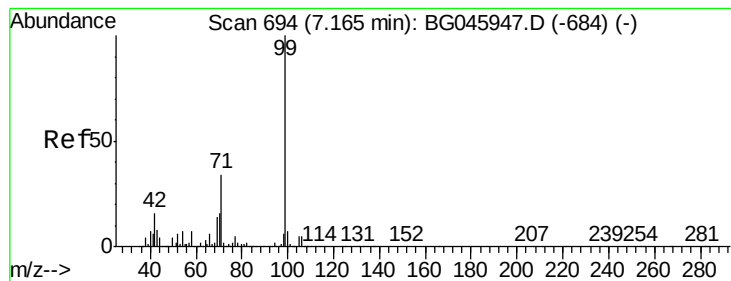


#5

2-Fluorophenol
Concen: 0.094 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.01 min
Lab File: BG046046.D
Acq: 14 Jul 2020 23:51

Tgt Ion:112 Resp: 732
Ion Ratio Lower Upper
112 100
64 0.0 51.4 77.2#
63 0.0 26.6 40.0#





#7

Phenol-d6

Concen: 0.396 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG046046.D

Acq: 14 Jul 2020 23:51

Instrument :

BNA_G

ClientSampleId :

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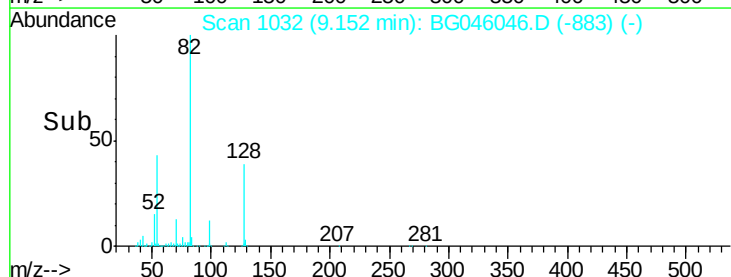
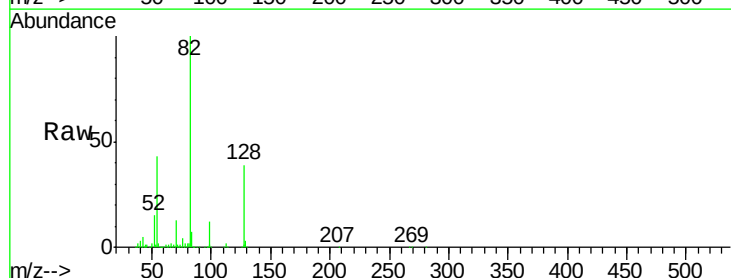
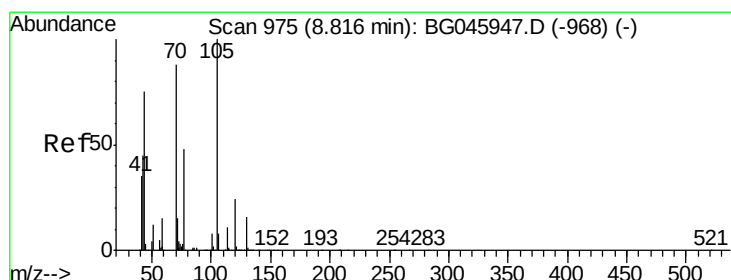
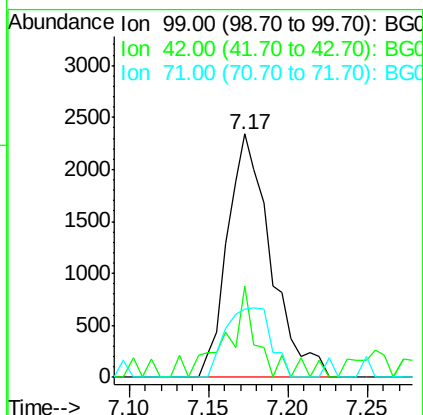
Tot Ion: 99 Resp: 4422

Ion Ratio Lower Upper

99 100

42 37.6 13.0 19.4#

71 28.0 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 8.630 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG046046.D

Acq: 14 Jul 2020 23:51

Tgt Ion: 70 Resp: 67727

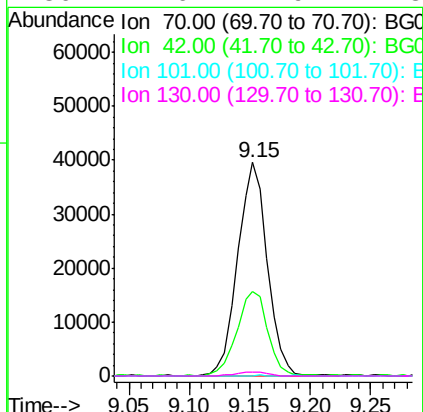
Ion Ratio Lower Upper

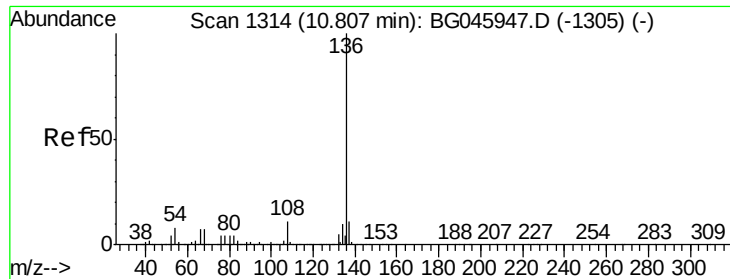
70 100

42 39.5 41.4 62.0#

101 0.0 7.1 10.7#

130 1.6 14.9 22.3#

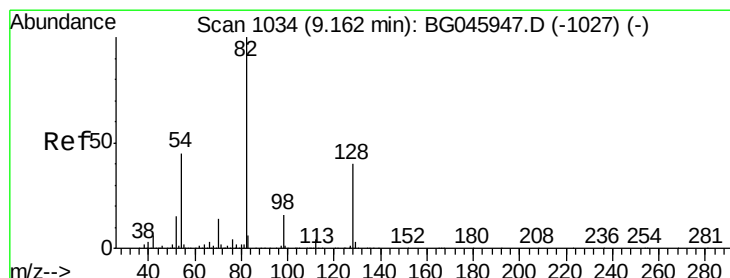
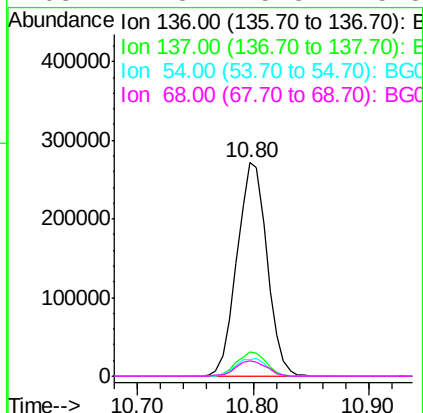
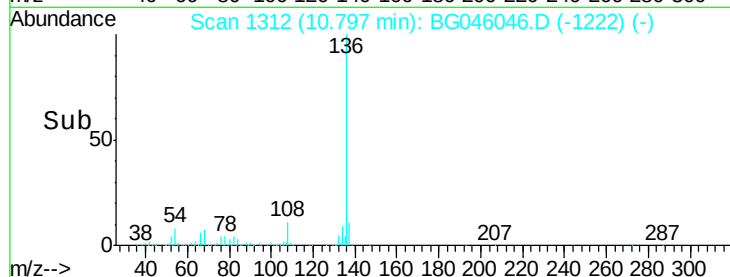
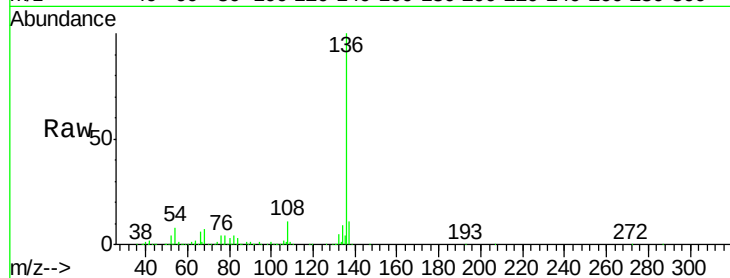




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BG046046.D
Acq: 14 Jul 2020 23:51

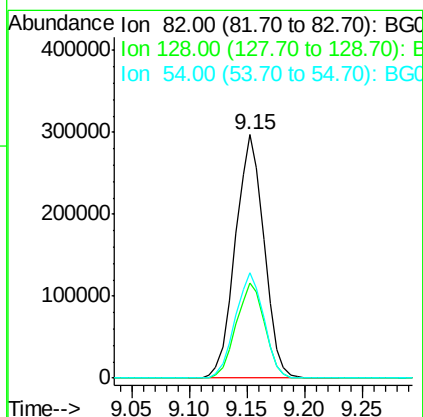
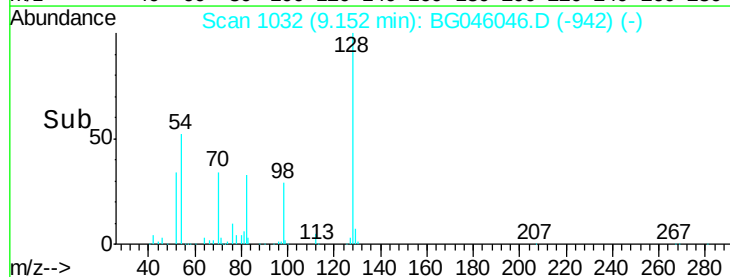
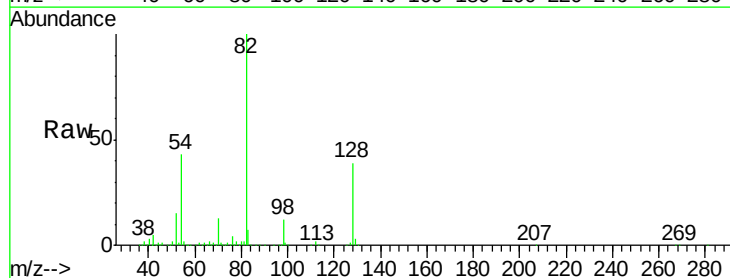
Instrument :
BNA_G
ClientSampleId :
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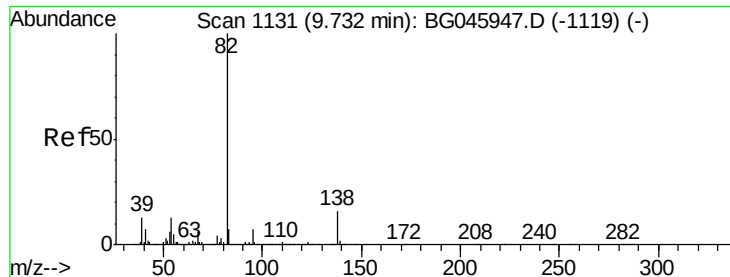
Tot Ion:136	Resp:	488830	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	9.2	13.8	
54 8.1	6.2	9.4	
68 7.3	5.8	8.8	



#23
Nitrobenzene-d5
Concen: 60.077 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG046046.D
Acq: 14 Jul 2020 23:51

Tgt	Ion: 82	Resp:	510228
Ion	Ratio	Lower	Upper
82	100		
128	39.3	32.2	48.4
54	43.5	35.8	53.6





#25

Isophorone

Concen: 18.942 ng

RT: 9.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BG046046.D

Acq: 14 Jul 2020 23:51

Instrument :

BNA_G

ClientSampleId :

T-2

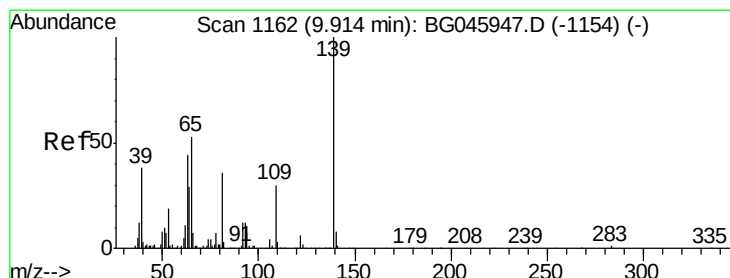
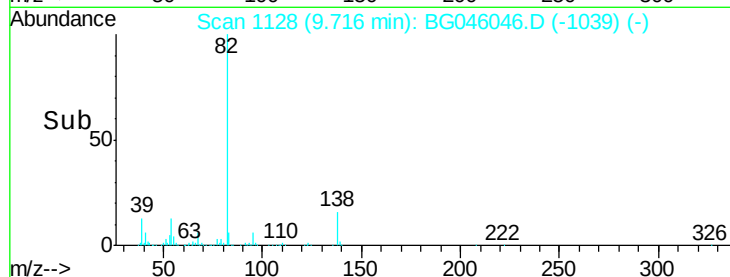
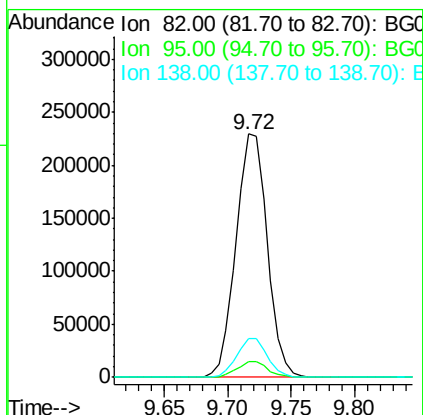
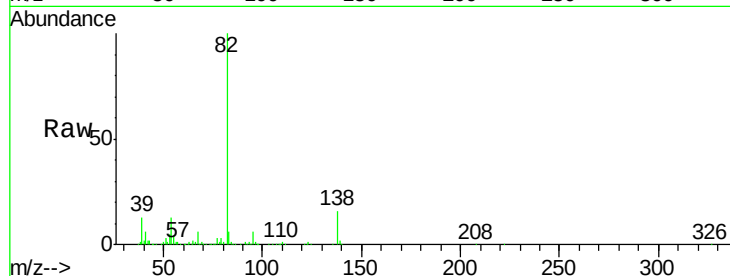
Tot Ion: 82 Resp: 392715

Ion Ratio Lower Upper

82 100

95 6.3 5.8 8.6

138 16.1 12.9 19.3



#26

2-Nitrophenol

Concen: 2.019 ng

RT: 9.72 min Scan# 1129

Delta R.T. -0.19 min

Lab File: BG046046.D

Acq: 14 Jul 2020 23:51

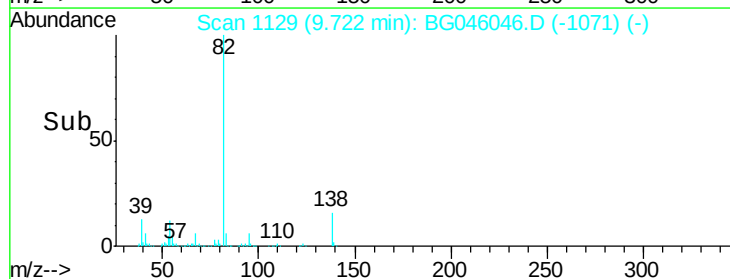
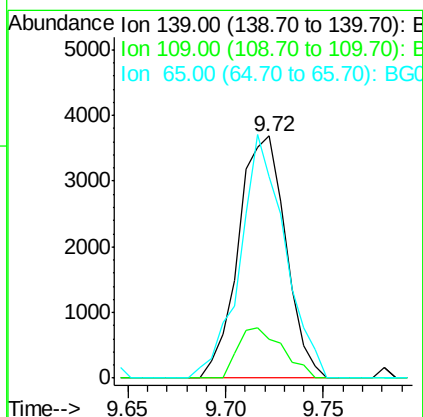
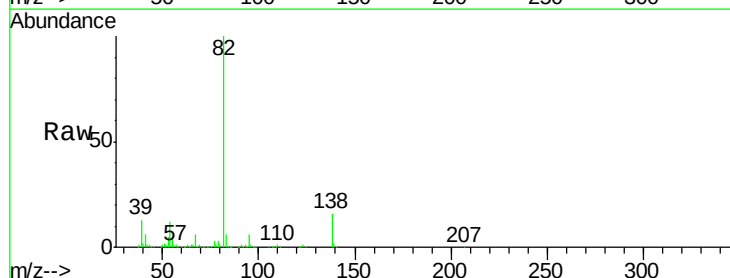
Tgt Ion: 139 Resp: 6169

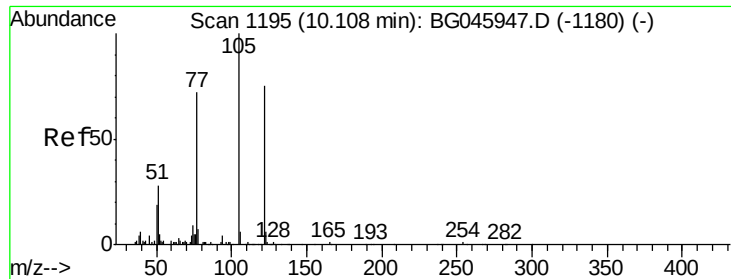
Ion Ratio Lower Upper

139 100

109 16.0 24.6 37.0#

65 83.0 42.6 64.0#

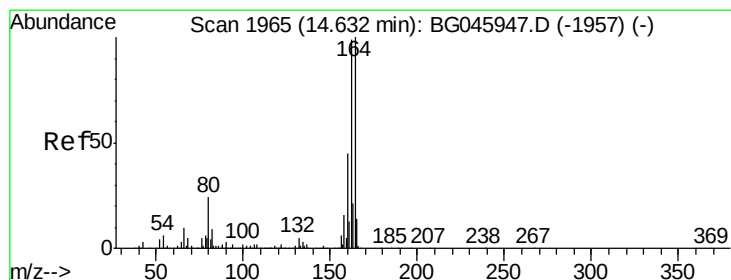
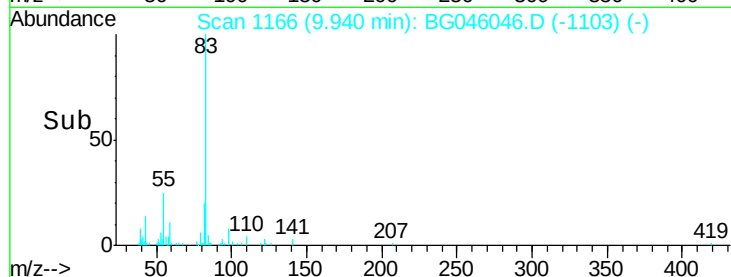
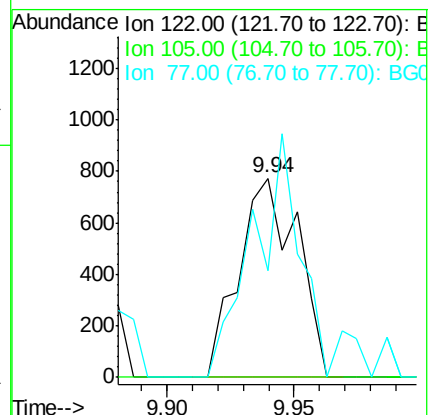
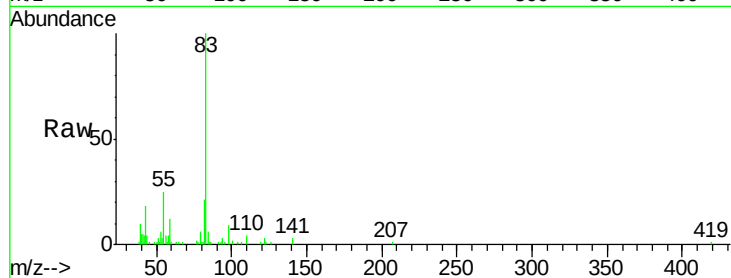




#32
Benzoic acid
Concen: 6.747 ng
RT: 9.94 min Scan# 1166
Delta R.T. -0.16 min
Lab File: BG046046.D
Acq: 14 Jul 2020 23:51

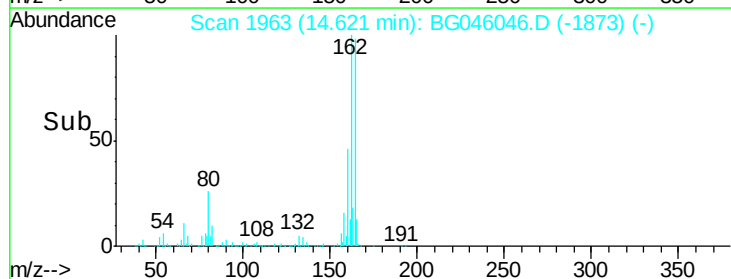
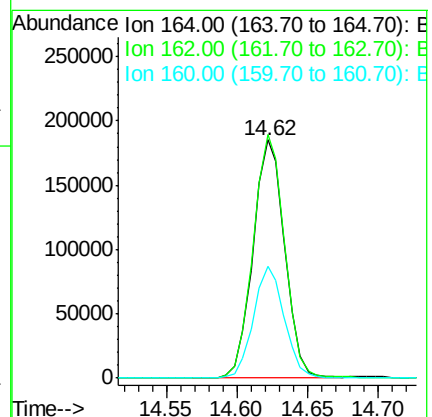
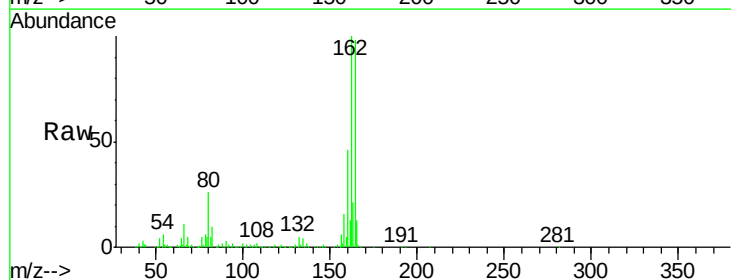
Instrument :
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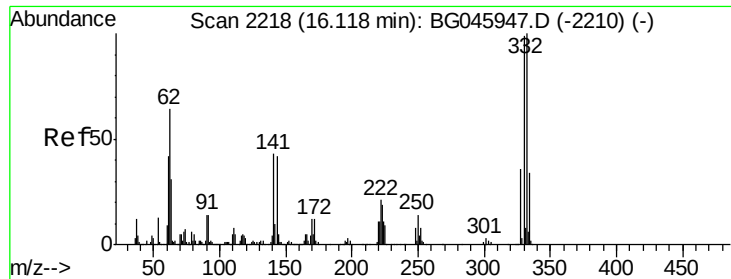
Tot Ion:122 Resp: 1251
Ion Ratio Lower Upper
122 100
105 0.0 110.8 150.8#
77 53.7 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BG046046.D
Acq: 14 Jul 2020 23:51

Tgt Ion:164 Resp: 291532
Ion Ratio Lower Upper
164 100
162 102.4 79.3 118.9
160 46.8 35.7 53.5

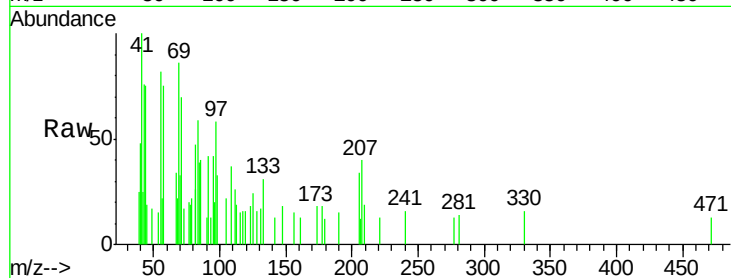




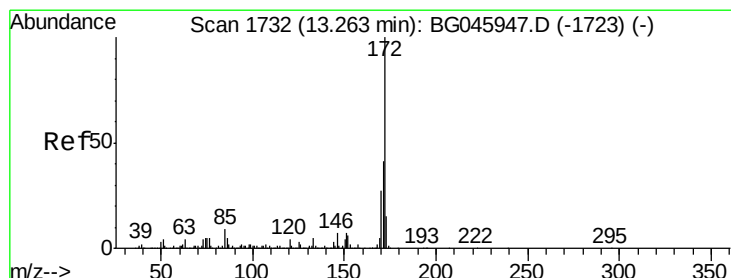
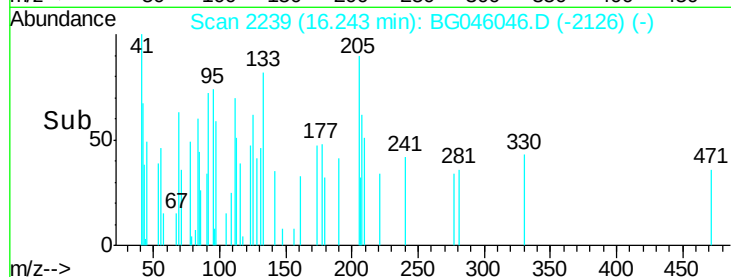
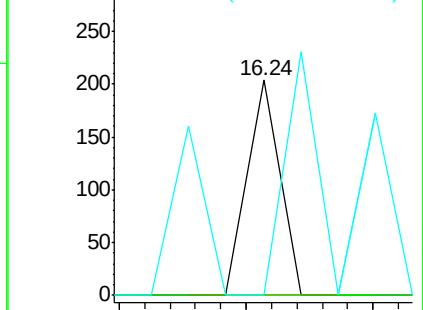
#42
2,4,6-Tribromophenol
Concen: 0.027 ng
RT: 16.24 min Scan# 2239
Delta R.T. 0.13 min
Lab File: BG046046.D
Acq: 14 Jul 2020 23:51

Instrument :
BNA_G
ClientSampleId :
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Tot Ion:330 Resp: 72
Ion Ratio Lower Upper
330 100
332 0.0 78.3 117.5#
141 197.2 36.6 54.8#

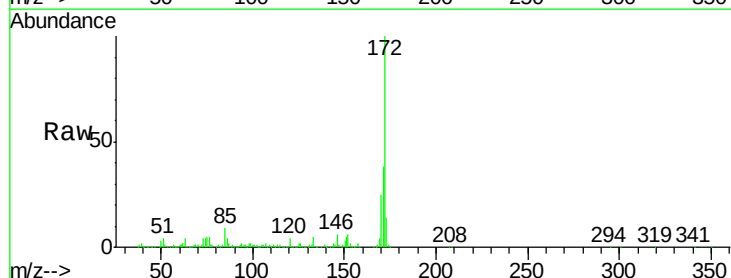


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

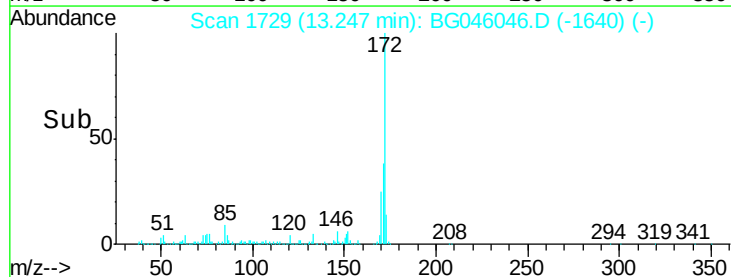
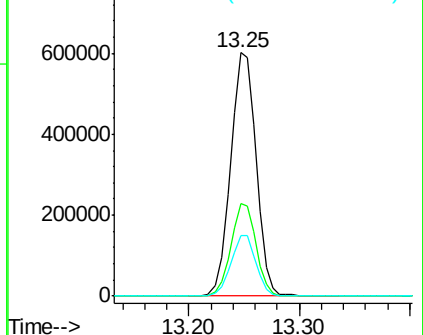


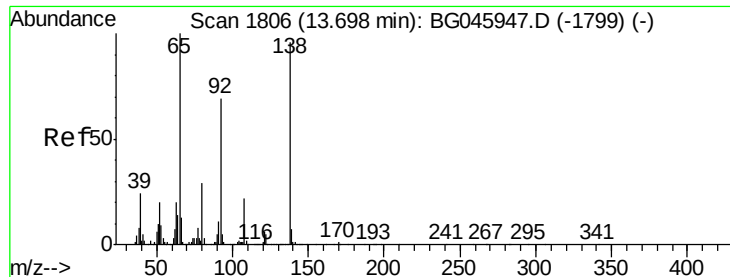
#45
2-Fluorobiphenyl
Concen: 52.213 ng
RT: 13.25 min Scan# 1729
Delta R.T. -0.01 min
Lab File: BG046046.D
Acq: 14 Jul 2020 23:51

Tgt Ion:172 Resp: 975857
Ion Ratio Lower Upper
172 100
171 38.0 32.9 49.3
170 24.9 21.8 32.6



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

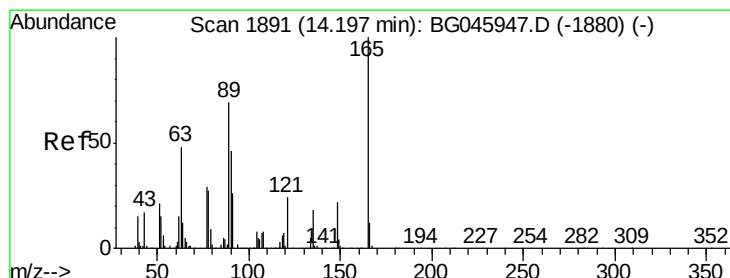
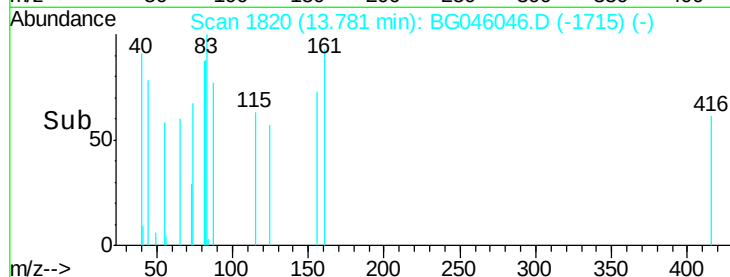
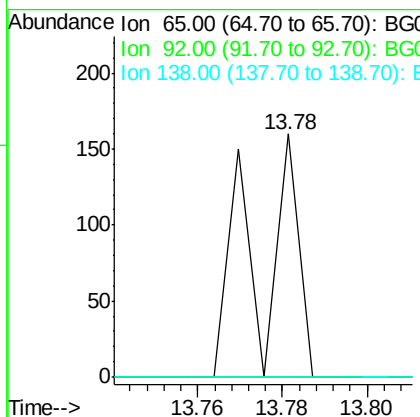
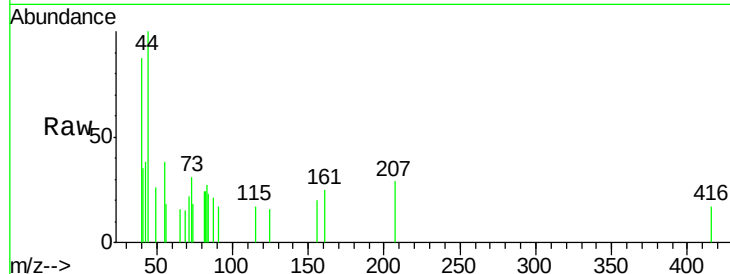




#48
2-Nitroaniline
Concen: 3.391 ng
RT: 13.78 min Scan# 1820
Delta R.T. 0.08 min
Lab File: BG046046.D
Acq: 14 Jul 2020 23:51

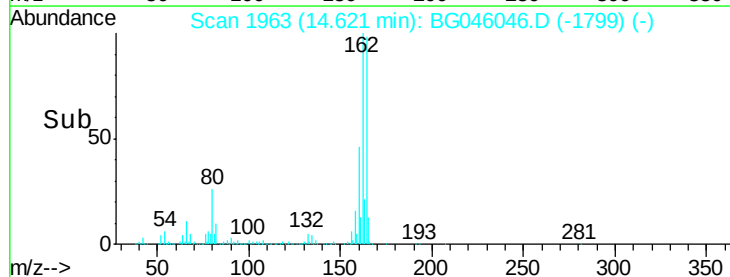
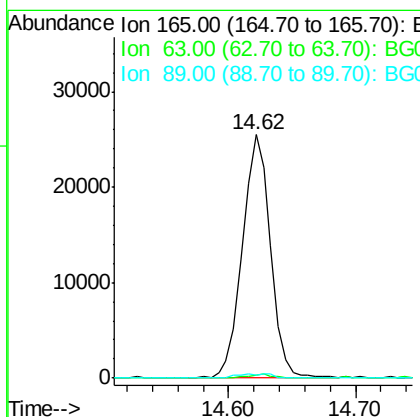
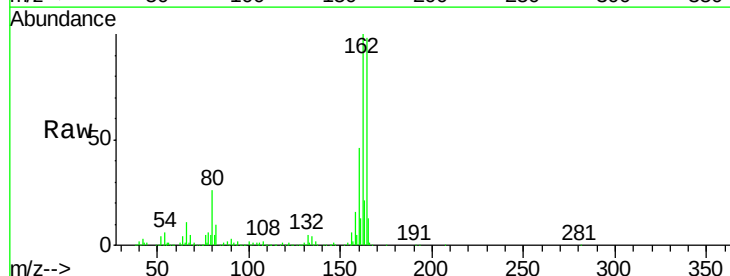
Instrument :
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ClientSampleId :
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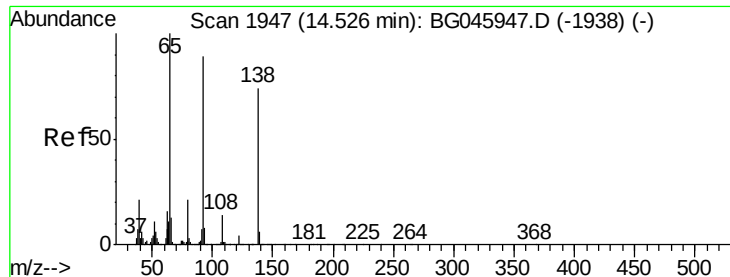
Tot Ion: 65 Resp: 109
Ion Ratio Lower Upper
65 100
92 0.0 55.4 83.0#
138 0.0 77.0 115.4#



#51
2,6-Dinitrotoluene
Concen: 12.622 ng
RT: 14.62 min Scan# 1963
Delta R.T. 0.43 min
Lab File: BG046046.D
Acq: 14 Jul 2020 23:51

Tgt Ion: 165 Resp: 39137
Ion Ratio Lower Upper
165 100
63 1.2 51.0 76.4#
89 1.1 55.7 83.5#





#53

3-Nitroaniline

Concen: 2.996 ng

RT: 14.58 min Scan# 1956

Delta R.T. 0.06 min

Lab File: BG046046.D

Acq: 14 Jul 2020 23:51

Instrument :

BNA_G

ClientSampleId :

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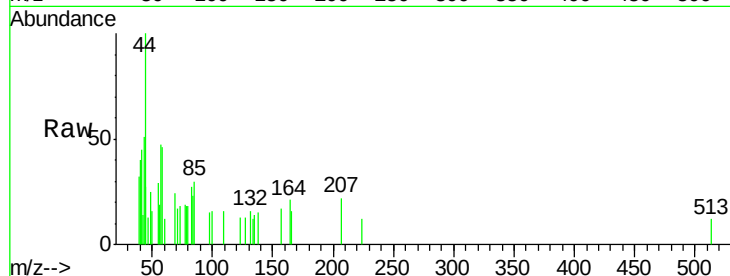
Tot Ion:138 Resp: 69

Ion Ratio Lower Upper

138 100

108 0.0 15.4 23.2#

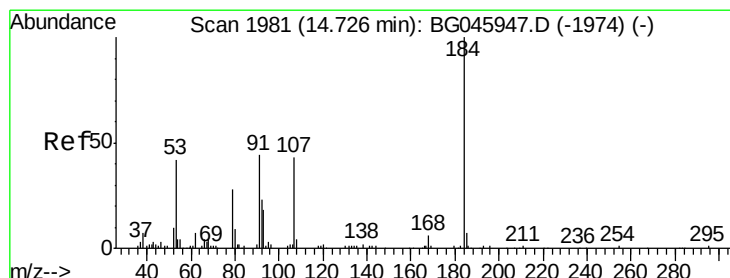
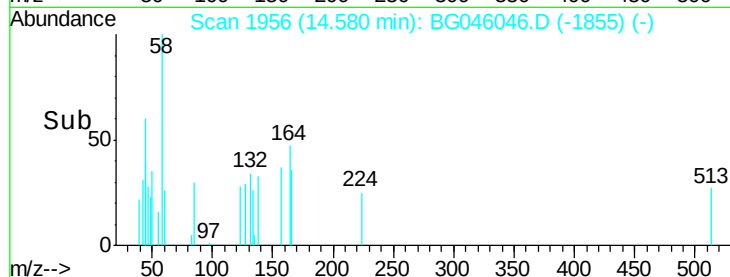
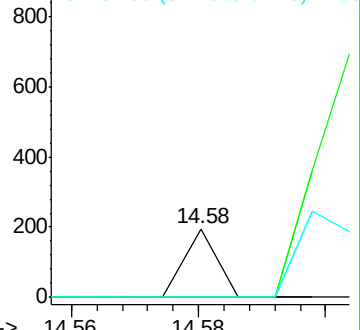
92 0.0 95.9 143.9#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 6.146 ng

RT: 15.14 min Scan# 2052

Delta R.T. 0.42 min

Lab File: BG046046.D

Acq: 14 Jul 2020 23:51

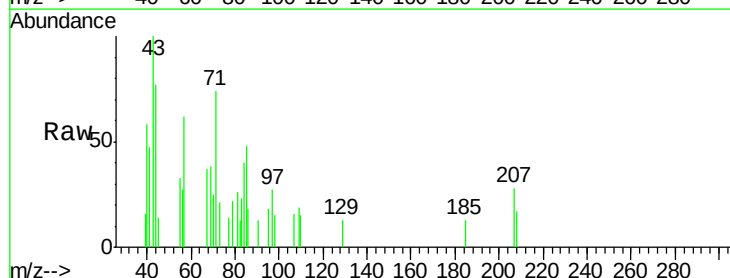
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 0.0 46.0 69.0#

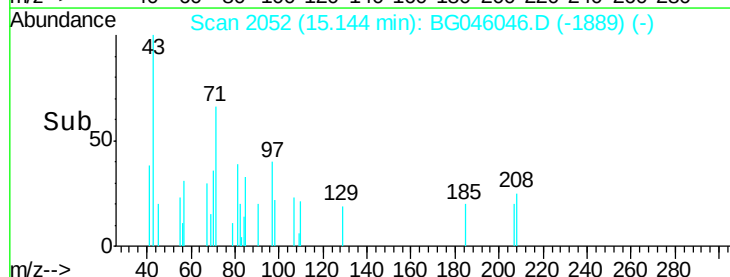
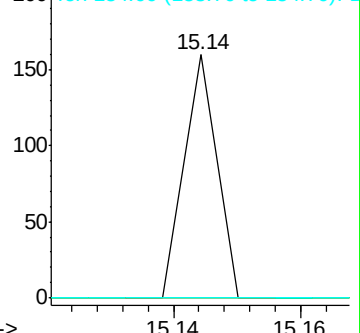
154 0.0 58.2 87.2#

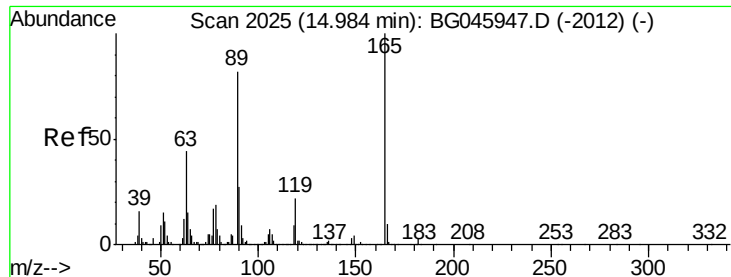


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 11.115 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.36 min

Lab File: BG046046.D

Acq: 14 Jul 2020 23:51

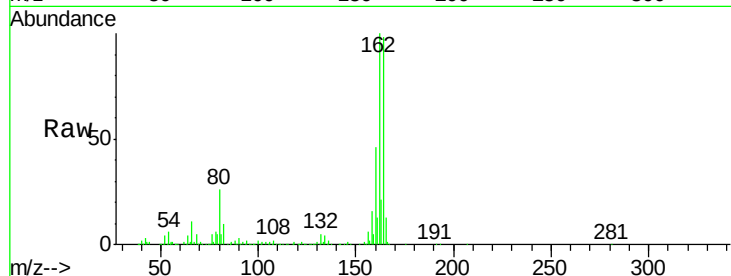
Instrument :

BNA_G

ClientSampleId :

T-2

Tot Ion:	165	Resp:	39137
Ion	Ratio	Lower	Upper
165	100		
63	1.2	35.4	53.0#
89	1.1	65.4	98.2#
182	0.0	2.0	3.0#

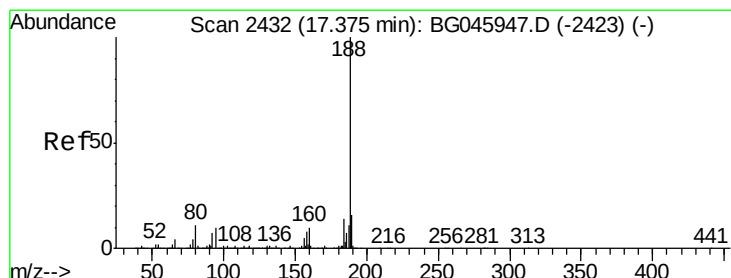
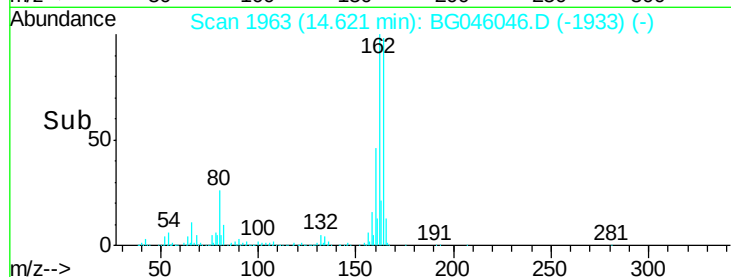
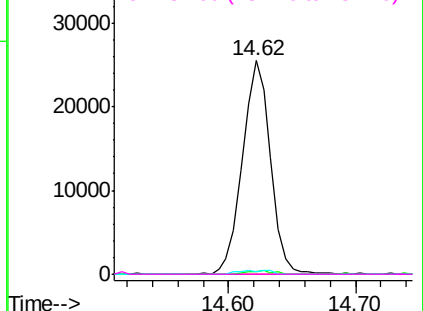


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

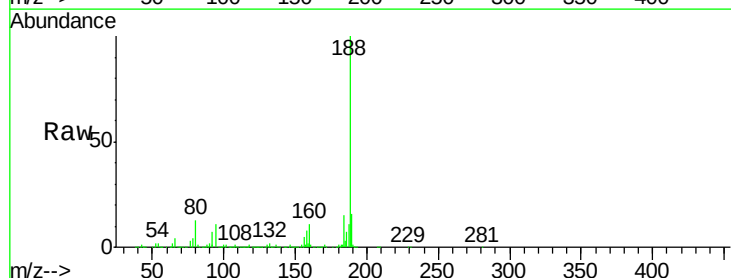
RT: 17.36 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG046046.D

Acq: 14 Jul 2020 23:51

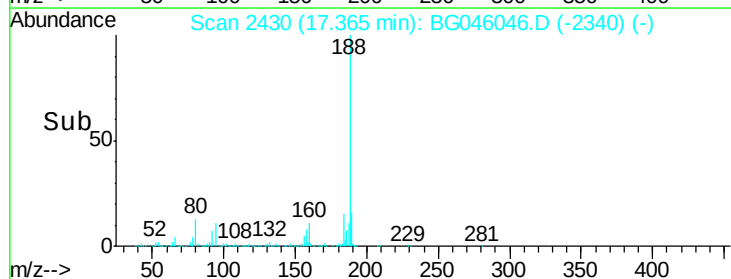
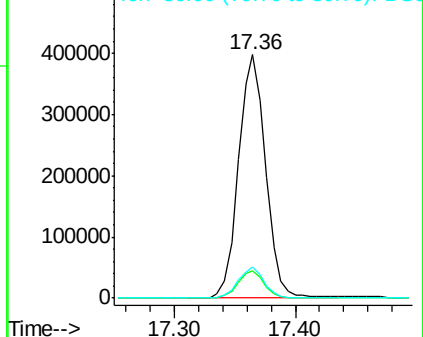
Tgt Ion:	188	Resp:	621549
Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.2	12.4
80	12.9	9.0	13.6

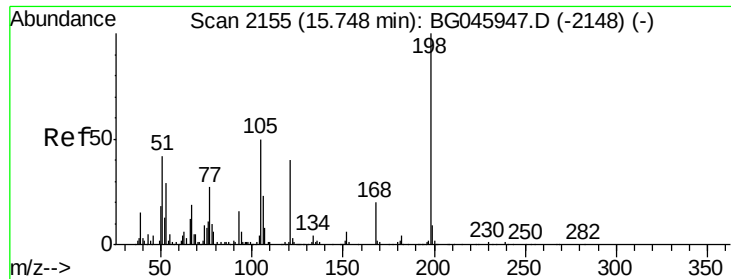


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

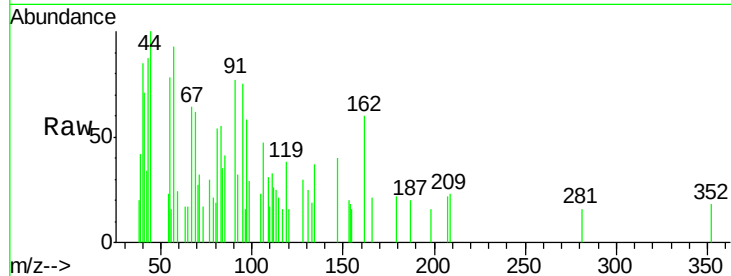




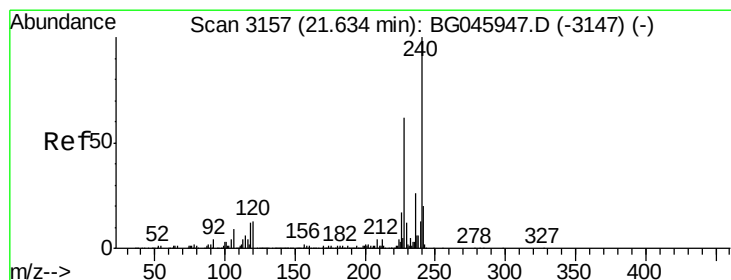
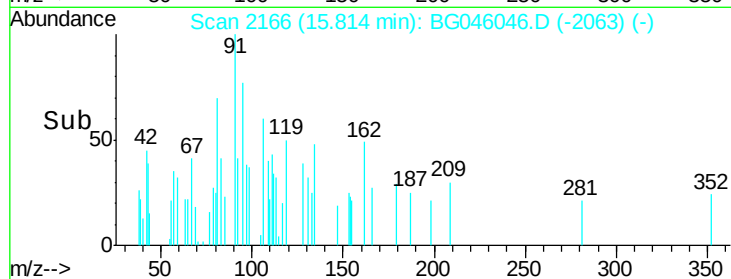
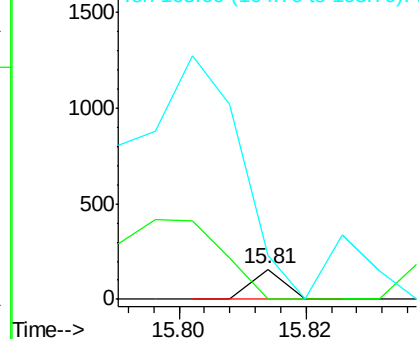
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.813 ng
 RT: 15.81 min Scan# 2166
 Delta R.T. 0.07 min
 Lab File: BG046046.D
 Acq: 14 Jul 2020 23:51

Instrument :
 BNA_G
 ClientSampled :
 T-2

Tot Ion:198 Resp: 55
 Ion Ratio Lower Upper
 198 100
 51 0.0 24.5 64.5#
 105 147.1 30.9 70.9#

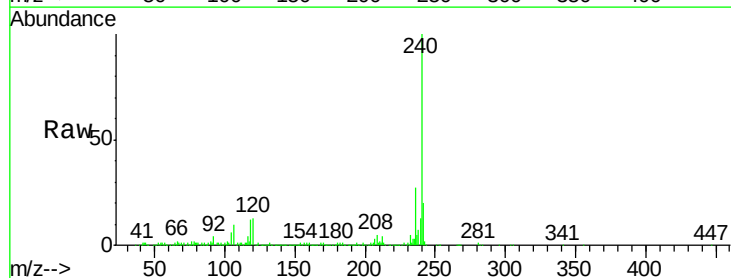


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

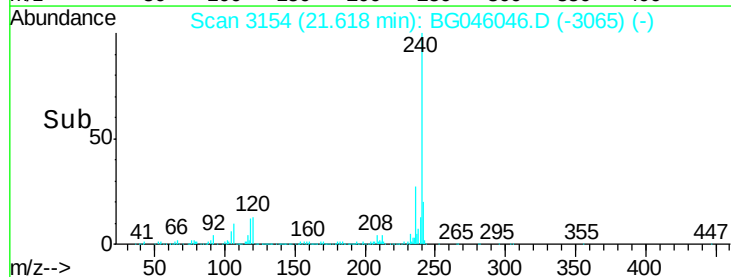
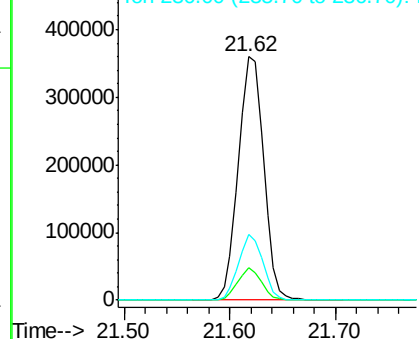


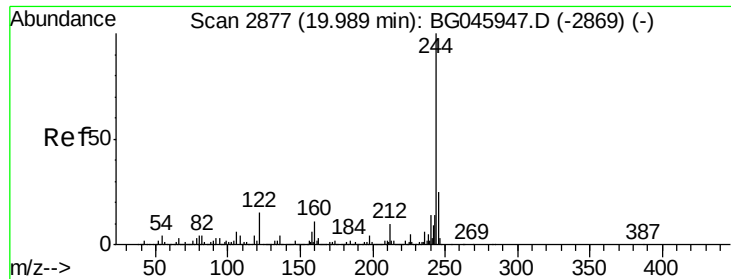
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.62 min Scan# 3154
 Delta R.T. -0.01 min
 Lab File: BG046046.D
 Acq: 14 Jul 2020 23:51

Tgt Ion:240 Resp: 596563
 Ion Ratio Lower Upper
 240 100
 120 13.3 10.6 16.0
 236 26.8 20.4 30.6



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





#79

Terphenyl-d14

Concen: 47.553 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG046046.D

Acq: 14 Jul 2020 23:51

Instrument :

BNA_G

ClientSampleId :

T-2

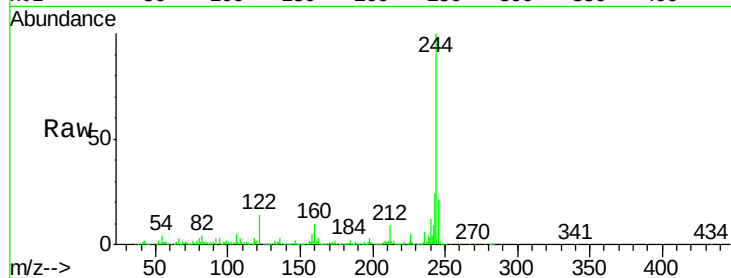
Tot Ion:244 Resp: 1274676

Ion Ratio Lower Upper

244 100

212 8.7 8.3 12.5

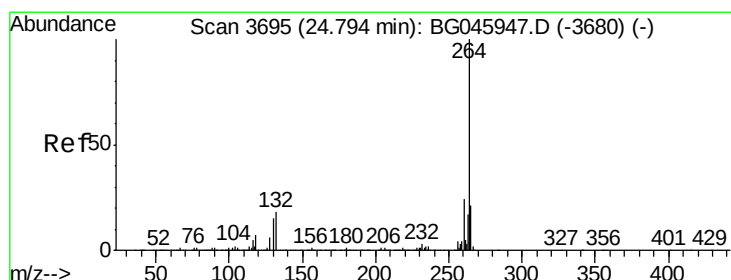
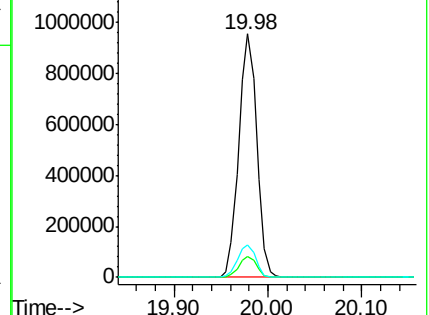
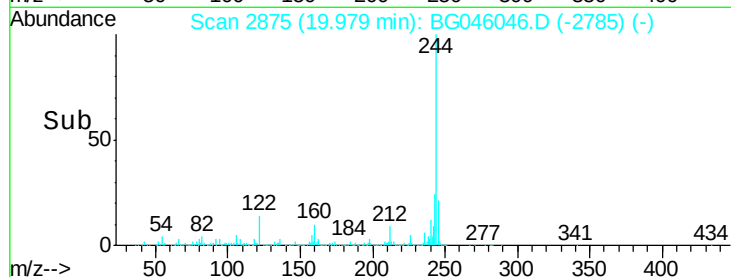
122 13.5 12.1 18.1



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: 24.77 min Scan# 3690

Delta R.T. -0.02 min

Lab File: BG046046.D

Acq: 14 Jul 2020 23:51

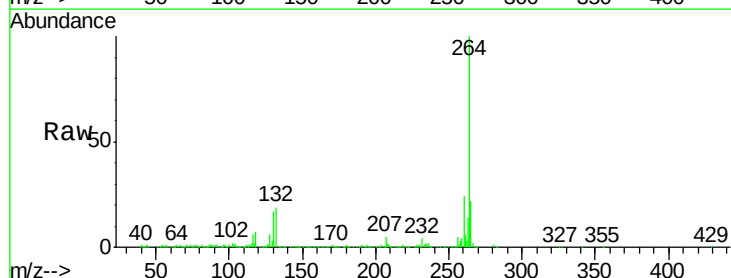
Tgt Ion:264 Resp: 603131

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 21.9 16.9 25.3



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

