

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071420\
 Data File : BG046032.D
 Acq On : 14 Jul 2020 14:26
 Operator : CG/JU
 Sample : PB130179BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB130179BL

Quant Time: Jul 14 15:16:29 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	123182	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	485588	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	281646	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	629824	20.00	ng	0.00
76) Chrysene-d12	21.62	240	670498	20.00	ng	0.00
86) Perylene-d12	24.77	264	655243	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	855126	112.58	ng	0.00
7) Phenol-d6	7.17	99	1148432	105.01	ng	0.00
23) Nitrobenzene-d5	9.16	82	736964	87.35	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	309040	118.23	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1324324	73.34	ng	0.00
79) Terphenyl-d14	19.98	244	1945037	64.56	ng	0.00

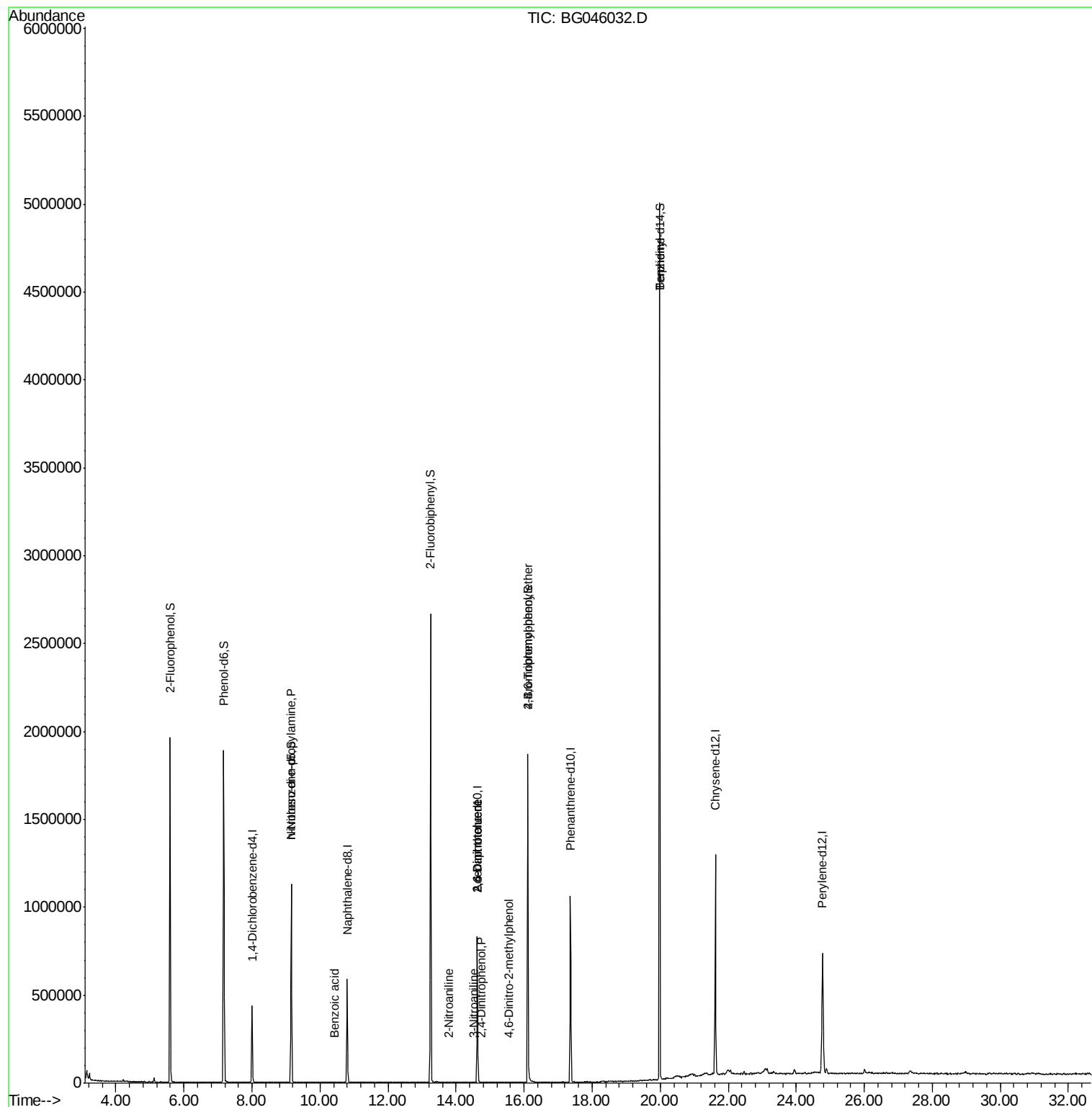
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.15	70	96513	12.562	ng	# 81
32) Benzoic acid	10.42	122	60	6.518	ng	# 1
48) 2-Nitroaniline	13.80	65	132	3.396	ng	# 7
51) 2,6-Dinitrotoluene	14.63	165	37346	12.508	ng	# 19
53) 3-Nitroaniline	14.53	138	121	3.007	ng	# 69
54) 2,4-Dinitrophenol	14.75	184	58	6.148	ng	# 17
57) 2,4-Dinitrotoluene	14.63	165	37346	11.027	ng	# 20
65) 4,6-Dinitro-2-methylphenol	15.56	198	55	6.812	ng	# 29
67) 4-Bromophenyl-phenylether	16.11	248	22711	3.229	ng	# 1
77) Benzidine	19.98	184	39273	2.049	ng	97

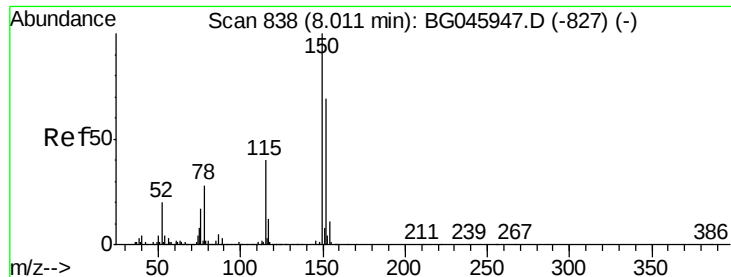
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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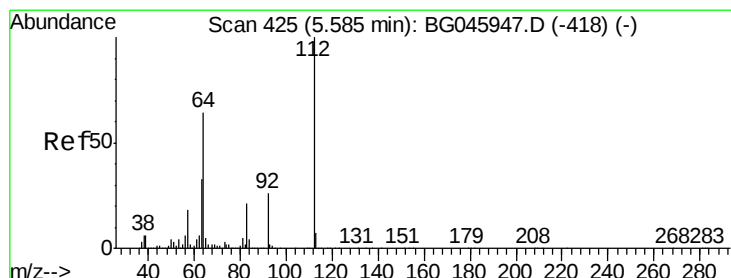
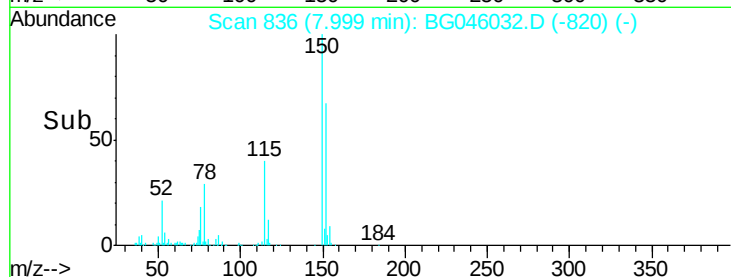
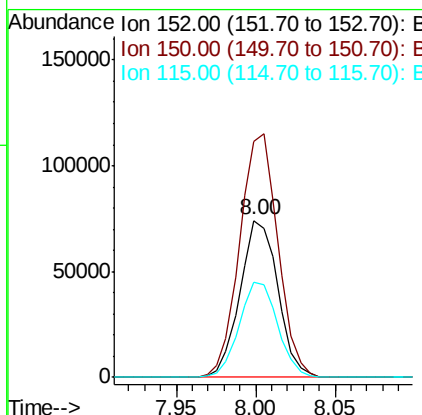
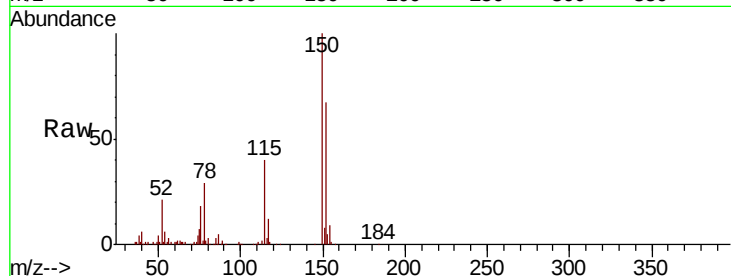


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG046032.D
Acq: 14 Jul 2020 14:26

Instrument :
BNA_G
ClientSampleId :
PB130179BL

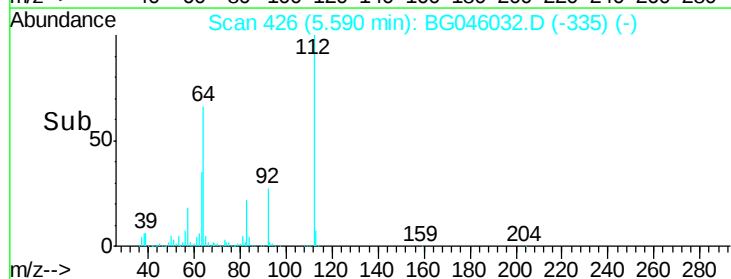
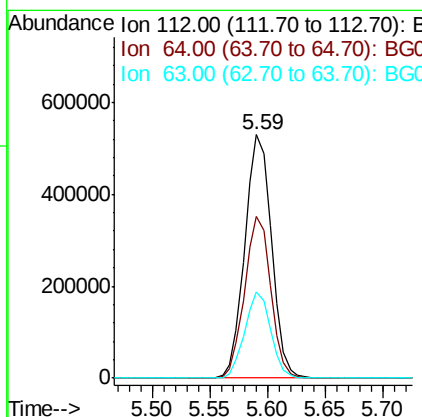
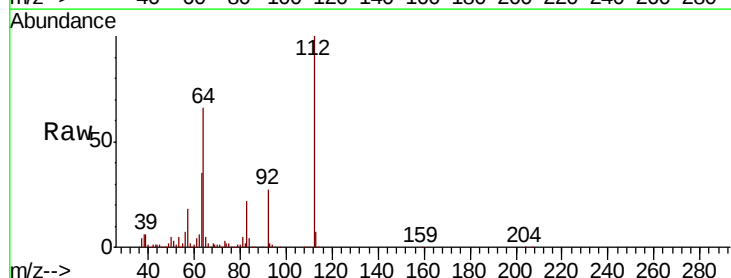
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	116.7	175.1
115	60.3	47.4	71.0

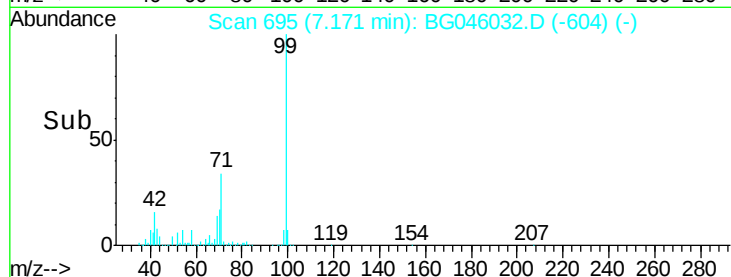
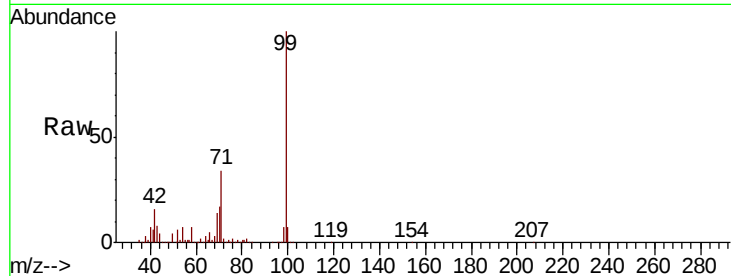
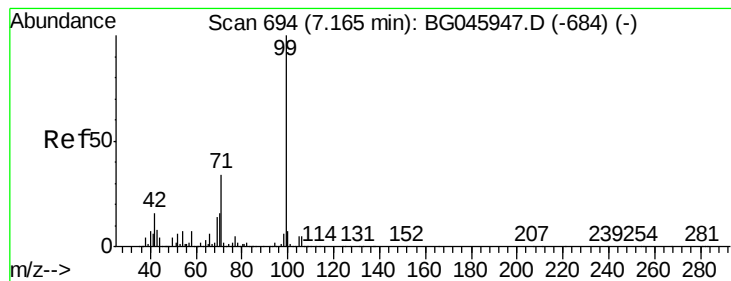


#5

2-Fluorophenol
Concen: 112.576 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.01 min
Lab File: BG046032.D
Acq: 14 Jul 2020 14:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	51.4	77.2
63	35.2	26.6	40.0





#7

Phenol-d6

Concen: 105.013 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG046032.D

Acq: 14 Jul 2020 14:26

Instrument :

BNA_G

ClientSampleId :

PB130179BL

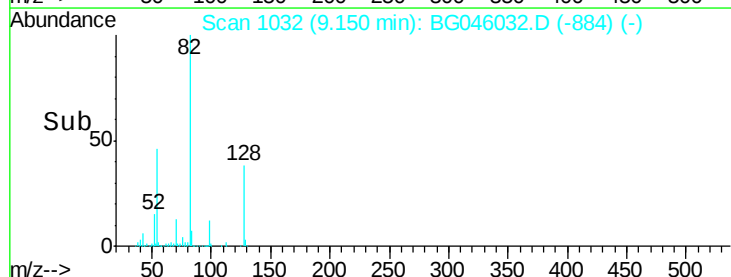
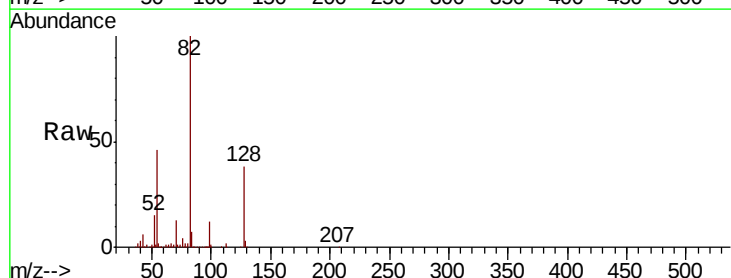
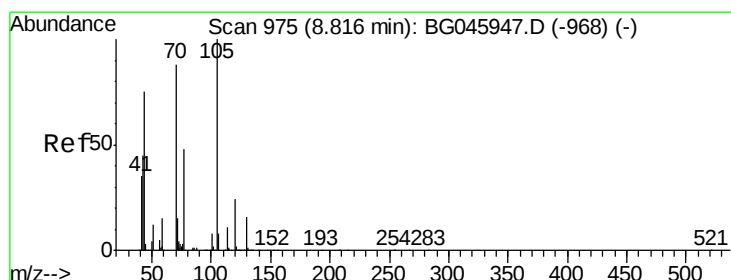
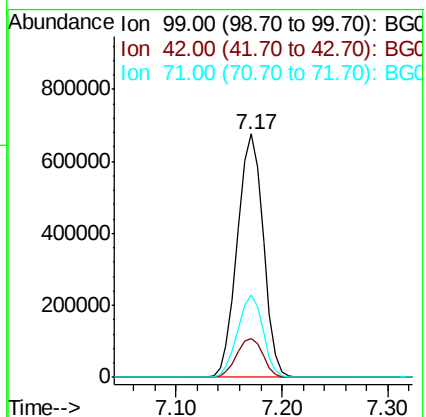
Tot Ion: 99 Resp: 1148432

Ion Ratio Lower Upper

99 100

42 16.1 13.0 19.4

71 33.9 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 12.562 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG046032.D

Acq: 14 Jul 2020 14:26

Tgt Ion: 70 Resp: 96513

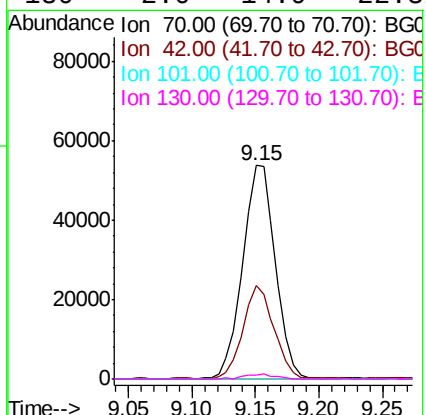
Ion Ratio Lower Upper

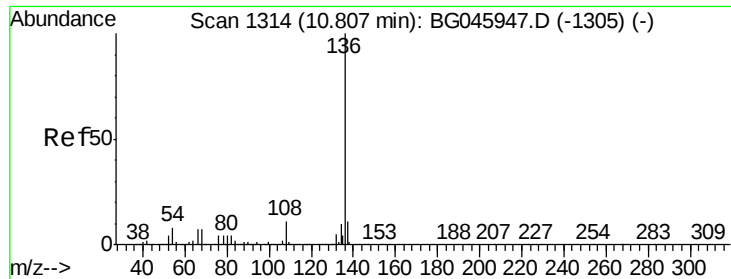
70 100

42 43.9 41.4 62.0

101 0.0 7.1 10.7#

130 2.0 14.9 22.3#

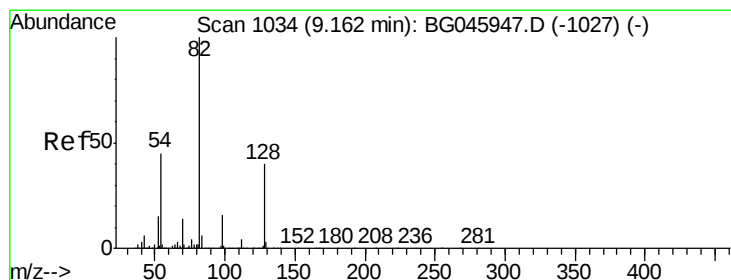
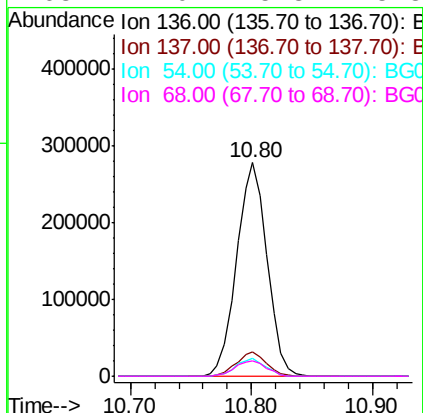
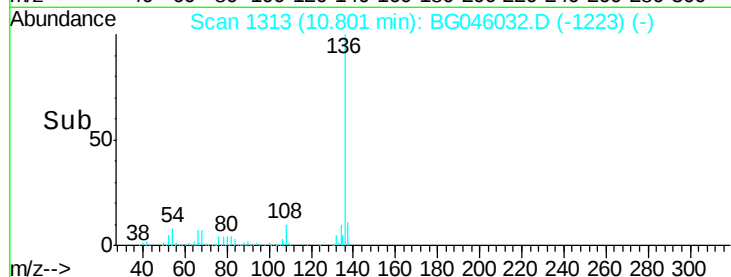
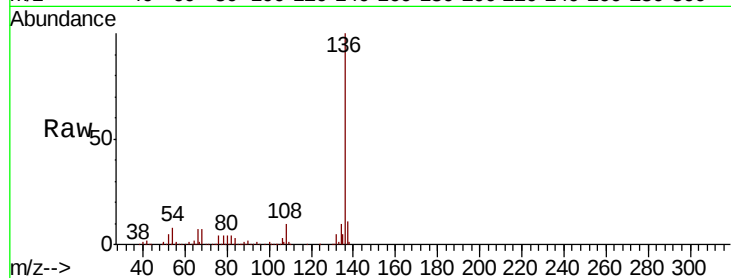




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG046032.D
Acq: 14 Jul 2020 14:26

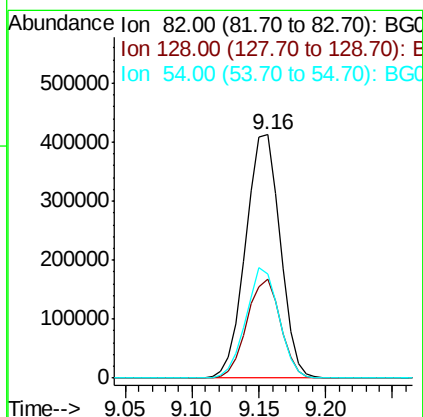
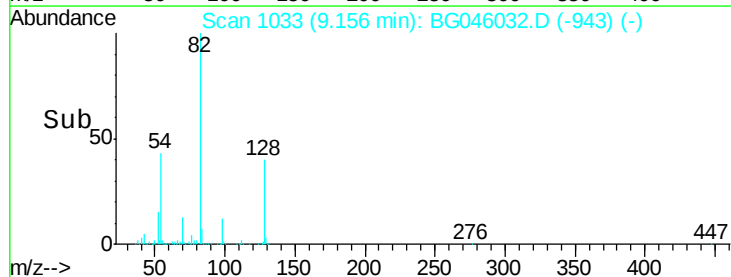
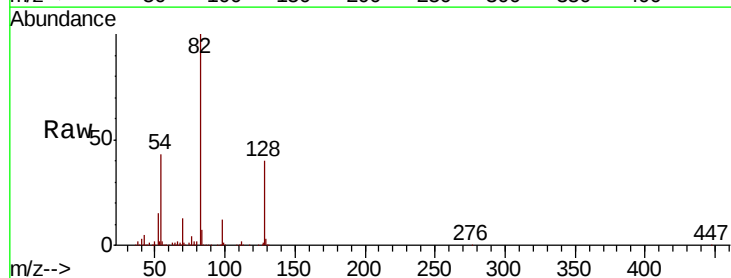
Instrument :
BNA_G
ClientSampleId :
PB130179BL

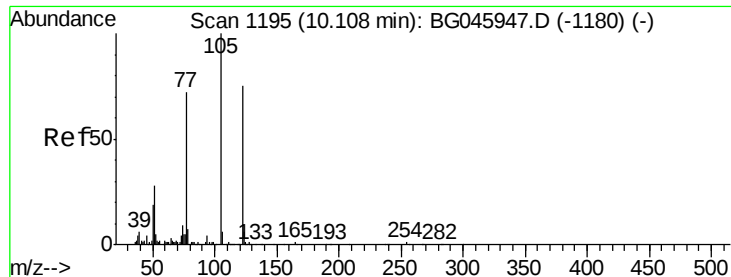
Tot Ion:136	Resp:	485588	
Ion Ratio	Lower	Upper	
136 100			
137 11.4	9.2	13.8	
54 8.2	6.2	9.4	
68 7.0	5.8	8.8	



#23
Nitrobenzene-d5
Concen: 87.354 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BG046032.D
Acq: 14 Jul 2020 14:26

Tgt Ion: 82	Resp: 736964
Ion Ratio	Lower Upper
82 100	
128 40.5	32.2 48.4
54 42.5	35.8 53.6

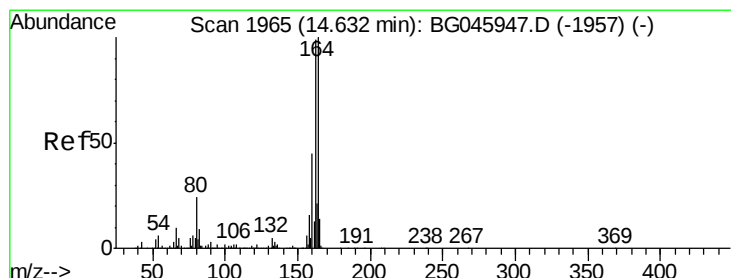
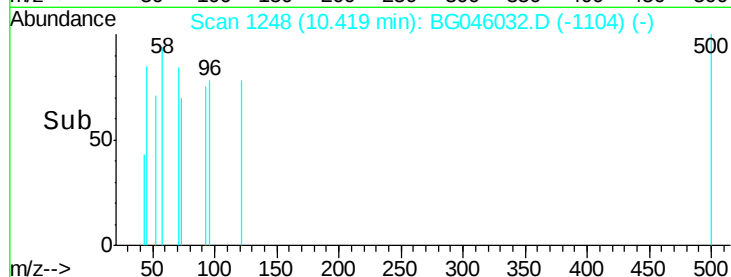
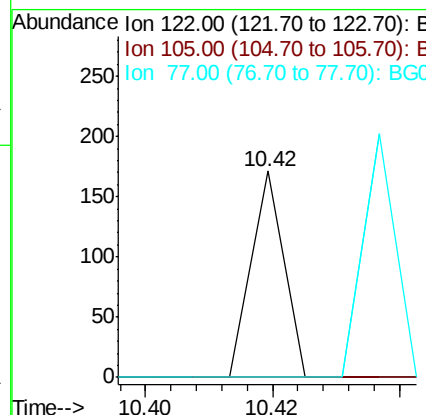
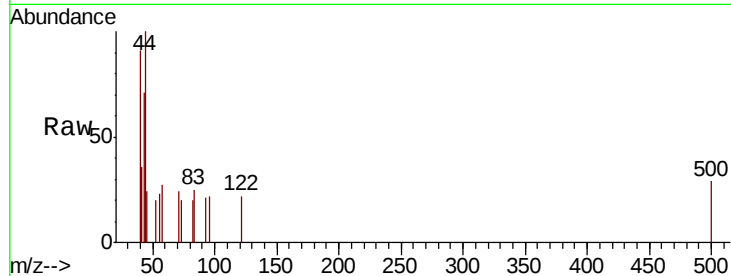




#32
Benzoic acid
Concen: 6.518 ng
RT: 10.42 min Scan# 1248
Delta R.T. 0.32 min
Lab File: BG046032.D
Acq: 14 Jul 2020 14:26

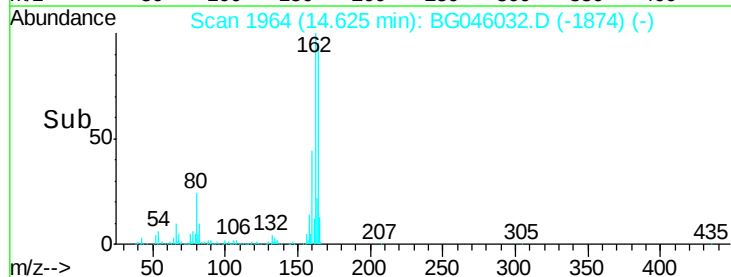
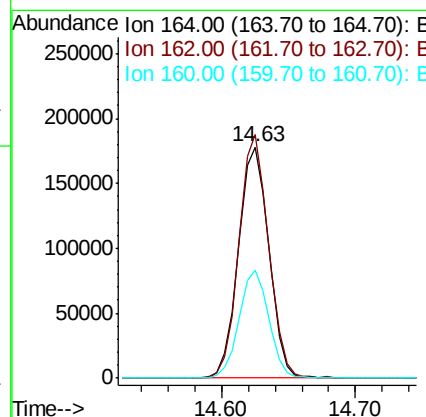
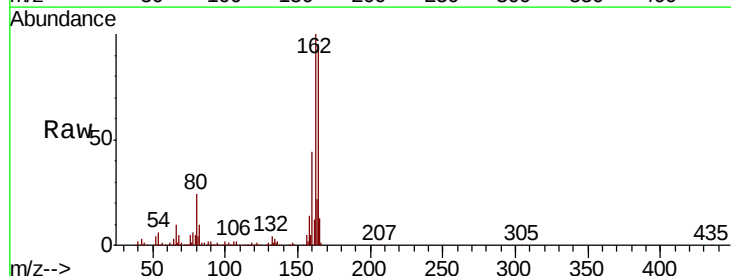
Instrument :
BNA_G
ClientSampleId :
PB130179BL

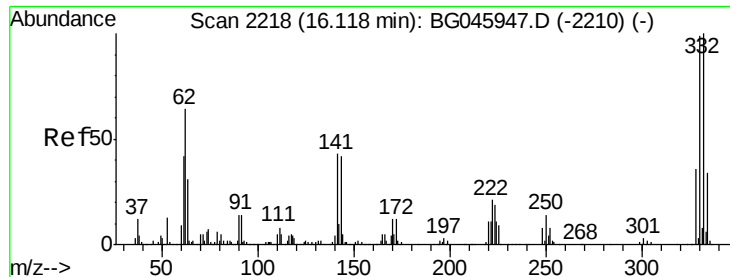
Tot Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 0.0 110.8 150.8#
77 0.0 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG046032.D
Acq: 14 Jul 2020 14:26

Tgt Ion:164 Resp: 281646
Ion Ratio Lower Upper
164 100
162 105.3 79.3 118.9
160 46.7 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 118.226 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG046032.D

Acq: 14 Jul 2020 14:26

Instrument :

BNA_G

ClientSampleId :

PB130179BL

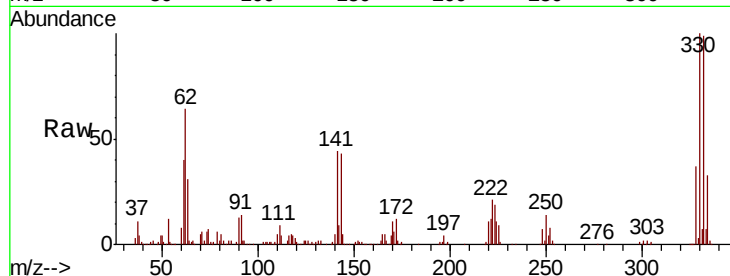
Tot Ion:330 Resp: 309040

Ion Ratio Lower Upper

330 100

332 98.8 78.3 117.5

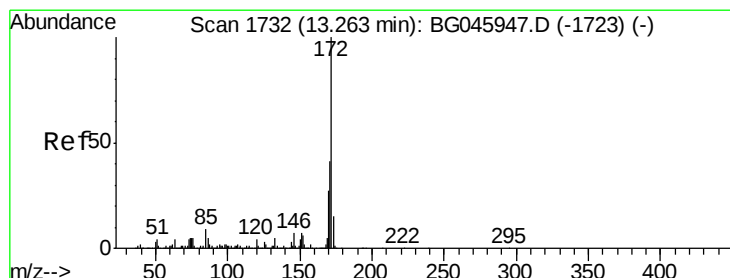
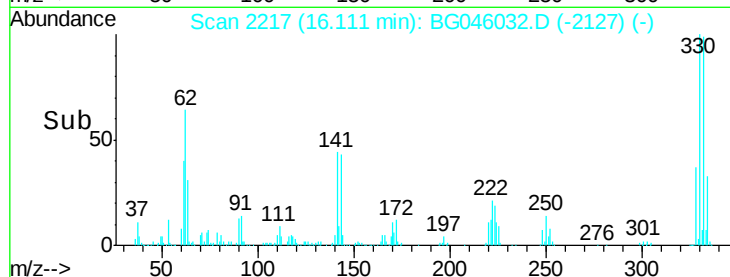
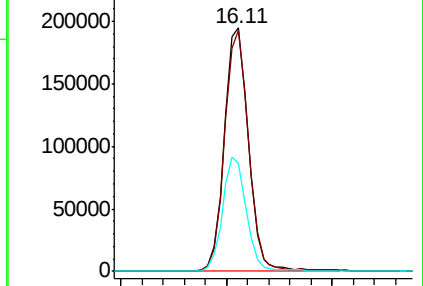
141 46.4 36.6 54.8



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: 73.344 ng

RT: 13.25 min Scan# 1730

Delta R.T. -0.01 min

Lab File: BG046032.D

Acq: 14 Jul 2020 14:26

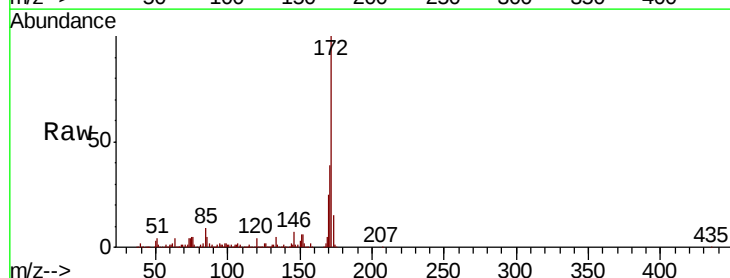
Tgt Ion:172 Resp: 1324324

Ion Ratio Lower Upper

172 100

171 39.3 32.9 49.3

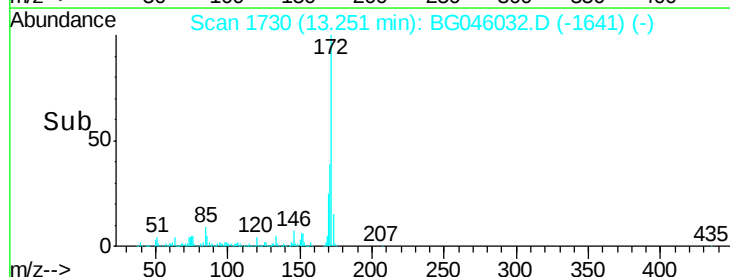
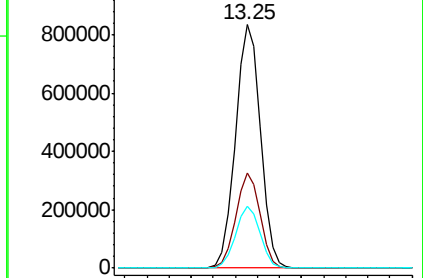
170 25.3 21.8 32.6

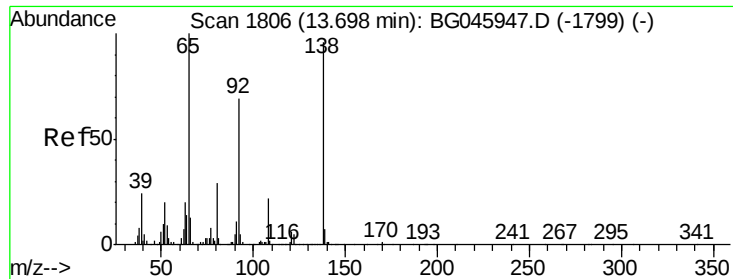


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

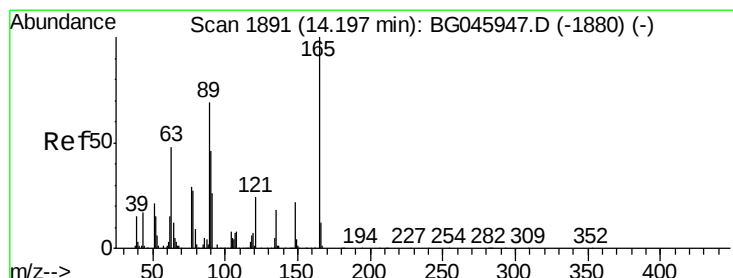
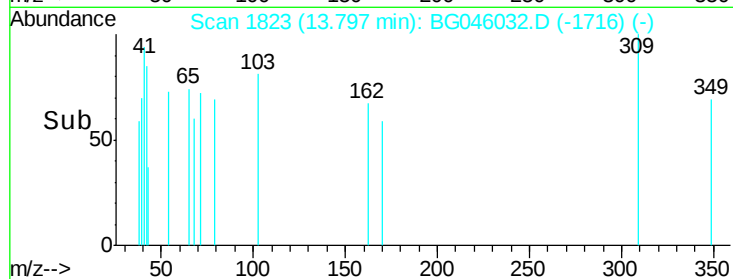
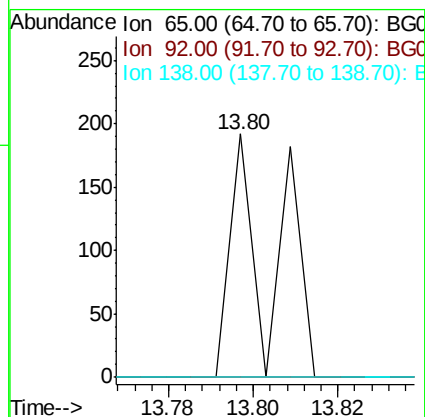
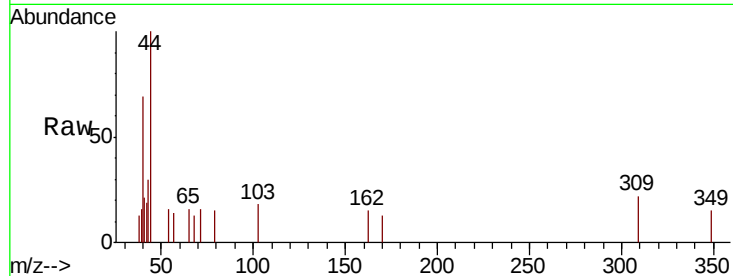




#48
 2-Nitroaniline
 Concen: 3.396 ng
 RT: 13.80 min Scan# 1823
 Delta R.T. 0.10 min
 Lab File: BG046032.D
 Acq: 14 Jul 2020 14:26

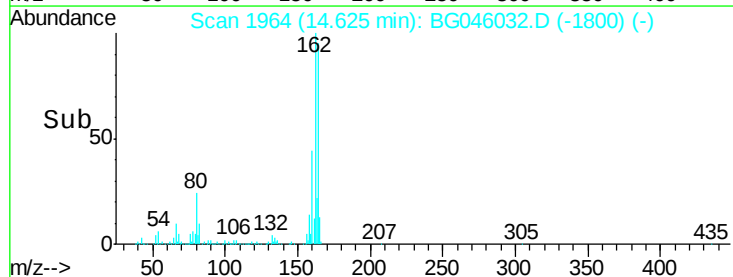
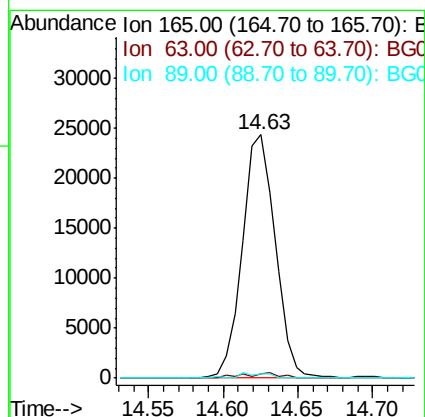
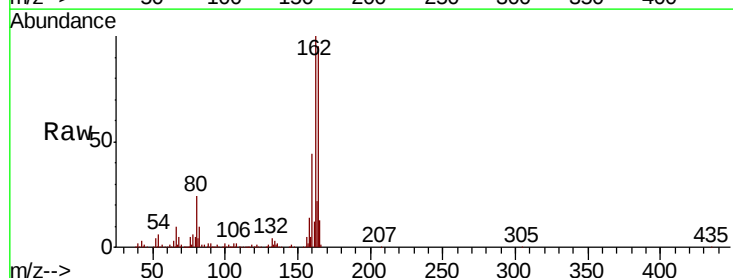
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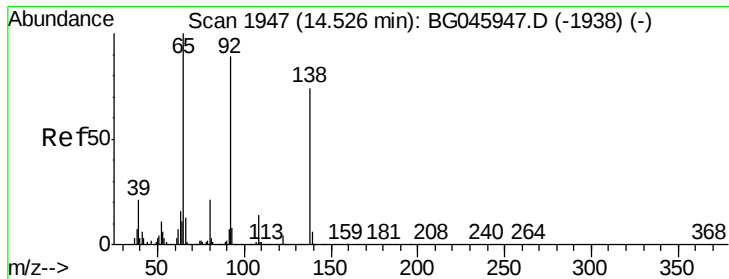
Tot Ion: 65 Resp: 132
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.4 83.0#
 138 0.0 77.0 115.4#



#51
 2,6-Dinitrotoluene
 Concen: 12.508 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. 0.43 min
 Lab File: BG046032.D
 Acq: 14 Jul 2020 14:26

Tgt Ion: 165 Resp: 37346
 Ion Ratio Lower Upper
 165 100
 63 1.8 51.0 76.4#
 89 1.5 55.7 83.5#

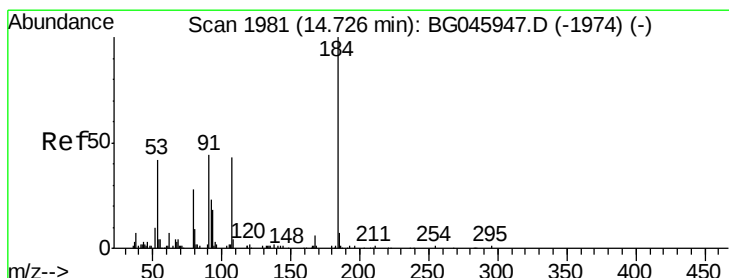
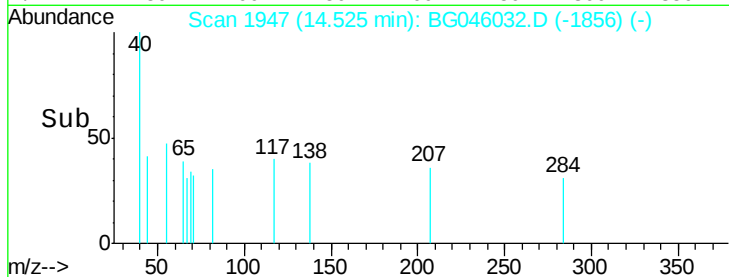
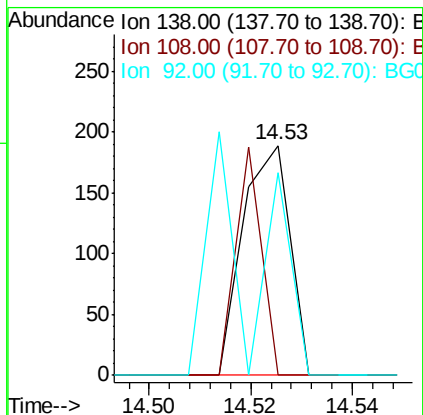
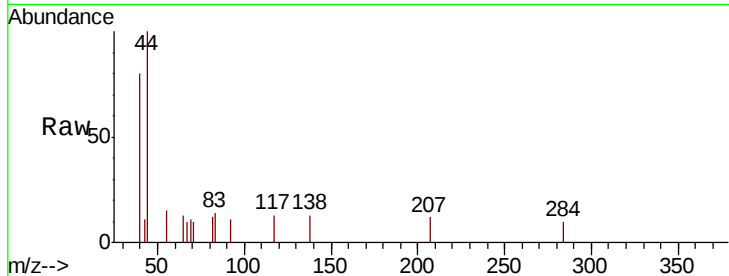




#53
3-Nitroaniline
Concen: 3.007 ng
RT: 14.53 min Scan# 1947
Delta R.T. 0.01 min
Lab File: BG046032.D
Acq: 14 Jul 2020 14:26

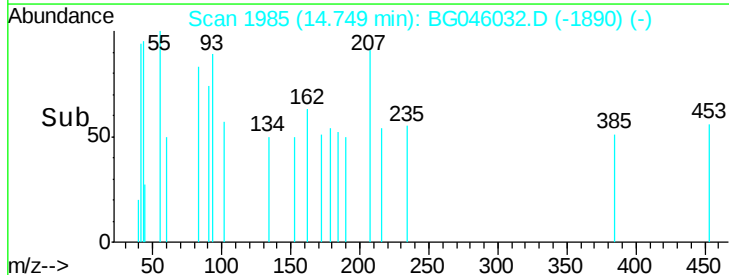
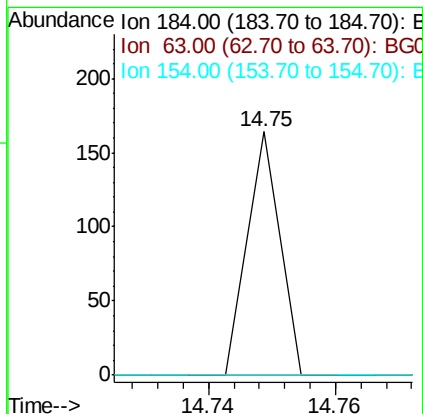
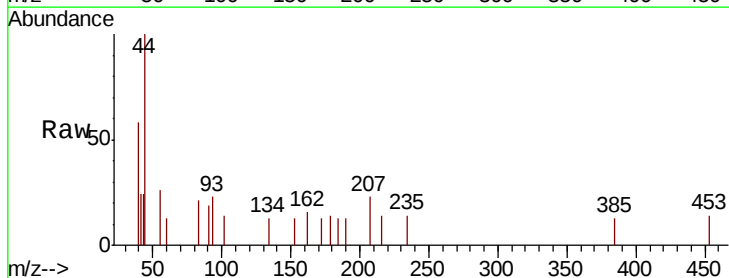
Instrument :
BNA_G
ClientSampleId :
PB130179BL

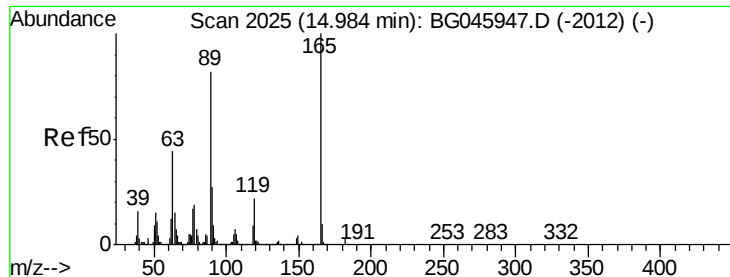
Tot Ion:138 Resp: 121
Ion Ratio Lower Upper
138 100
108 0.0 15.4 23.2#
92 87.8 95.9 143.9#



#54
2,4-Dinitrophenol
Concen: 6.148 ng
RT: 14.75 min Scan# 1985
Delta R.T. 0.03 min
Lab File: BG046032.D
Acq: 14 Jul 2020 14:26

Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 0.0 46.0 69.0#
154 0.0 58.2 87.2#





#57

2,4-Dinitrotoluene

Concen: 11.027 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.35 min

Lab File: BG046032.D

Acq: 14 Jul 2020 14:26

Instrument :

BNA_G

ClientSampleId :

PB130179BL

Tot Ion:165 Resp: 37346

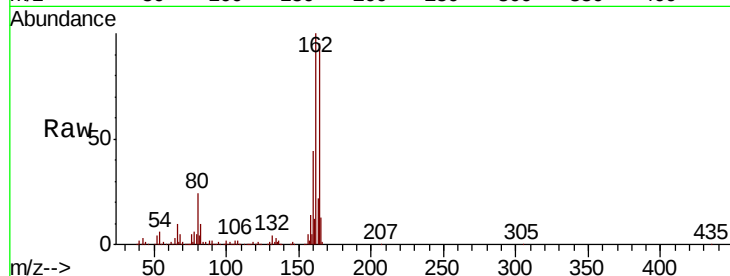
Ion Ratio Lower Upper

165 100

63 1.8 35.4 53.0#

89 1.5 65.4 98.2#

182 0.0 2.0 3.0#

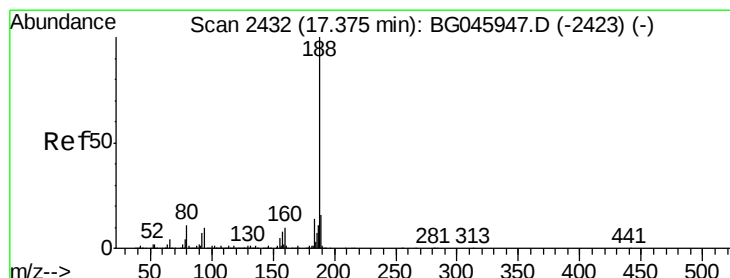
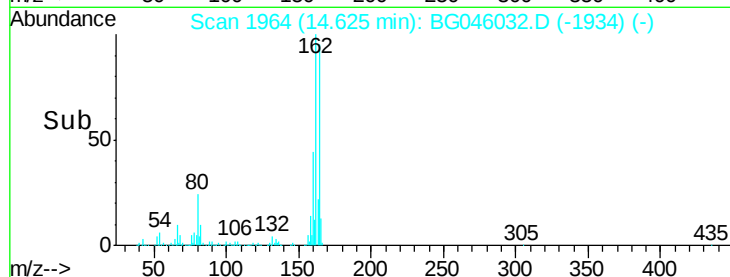
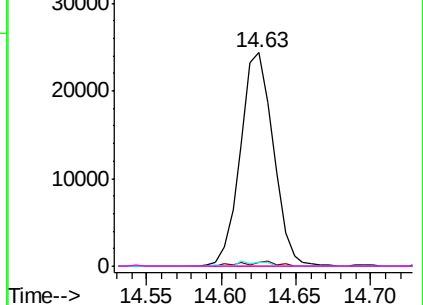


Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BG046032.D

Acq: 14 Jul 2020 14:26

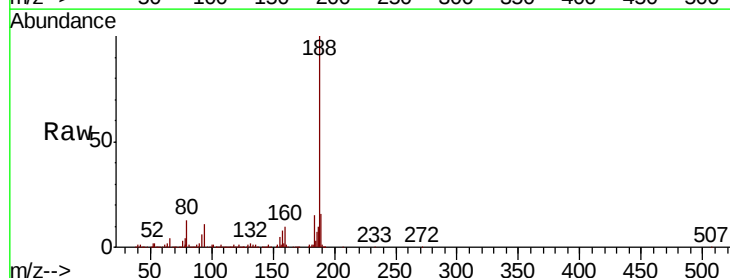
Tgt Ion:188 Resp: 629824

Ion Ratio Lower Upper

188 100

94 10.8 8.2 12.4

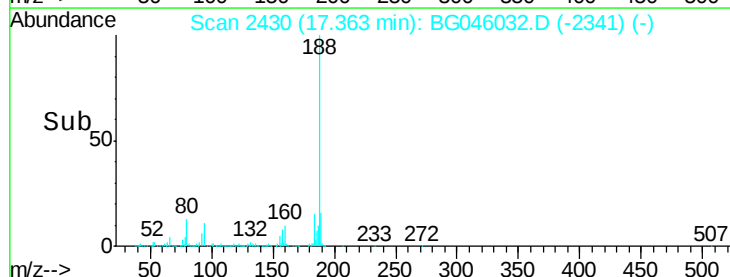
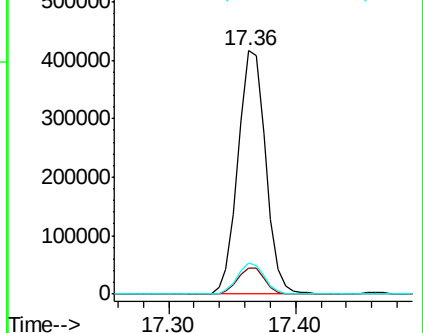
80 12.7 9.0 13.6

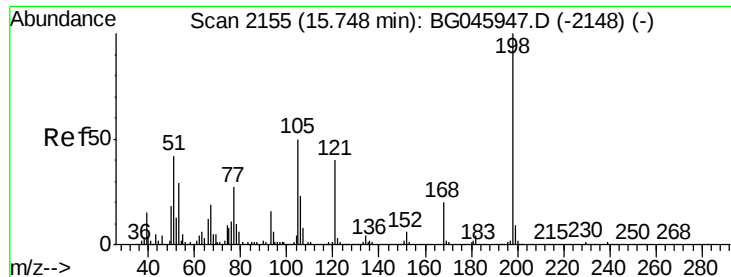


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

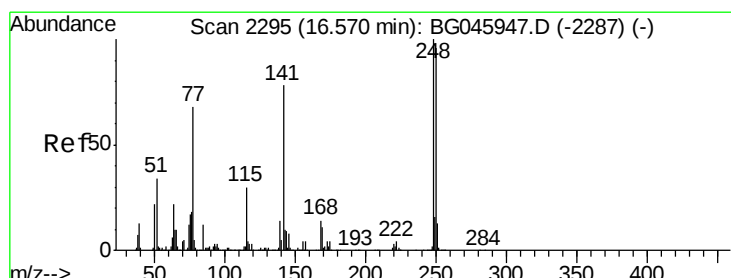
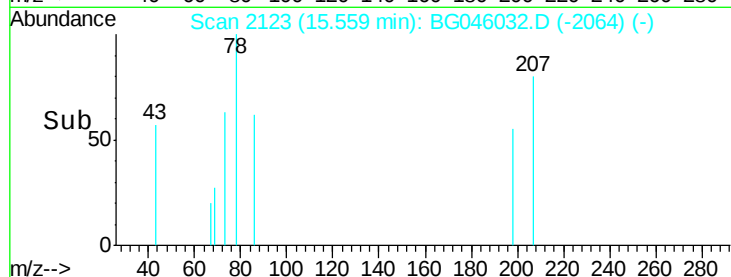
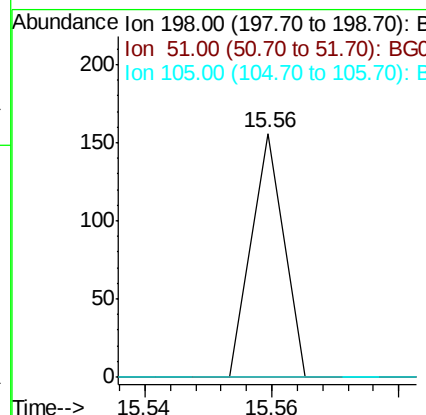
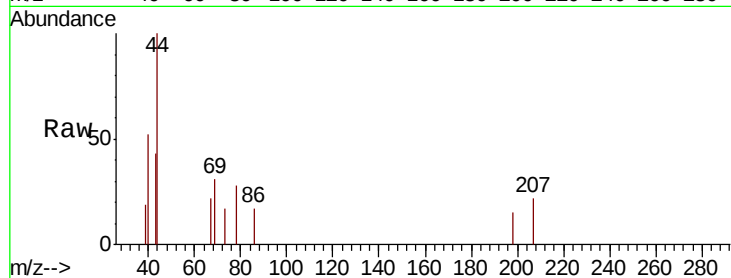




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.812 ng
 RT: 15.56 min Scan# 2123
 Delta R.T. -0.18 min
 Lab File: BG046032.D
 Acq: 14 Jul 2020 14:26

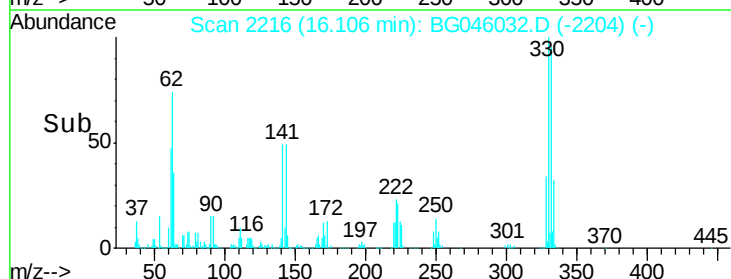
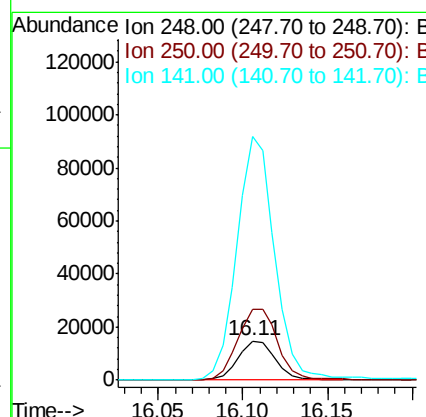
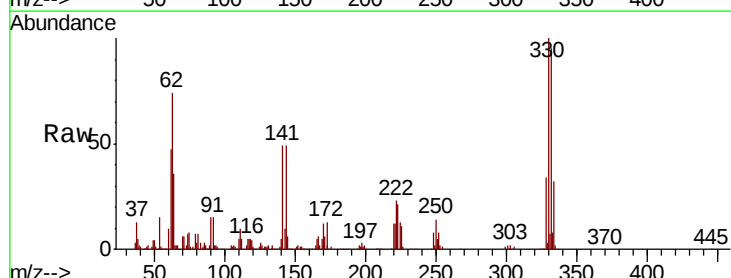
Instrument :
 BNA_G
 ClientSampleId :
 PB130179BL

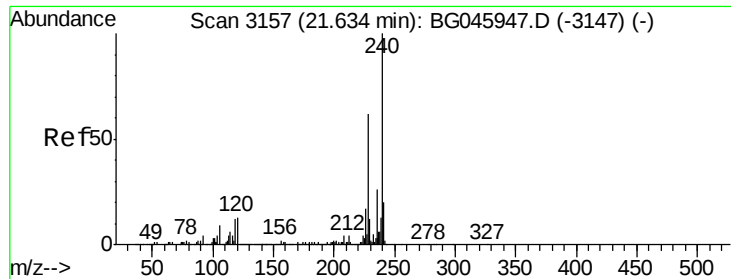
Tot Ion	Ratio	Lower	Upper
198	100		
51	0.0	24.5	64.5#
105	0.0	30.9	70.9#



#67
 4-Bromophenyl-phenylether
 Concen: 3.229 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.46 min
 Lab File: BG046032.D
 Acq: 14 Jul 2020 14:26

Tgt Ion	Ratio	Lower	Upper
248	100		
250	179.3	76.6	114.8#
141	620.3	62.7	94.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG046032.D

Acq: 14 Jul 2020 14:26

Instrument :

BNA_G

ClientSampleId :

PB130179BL

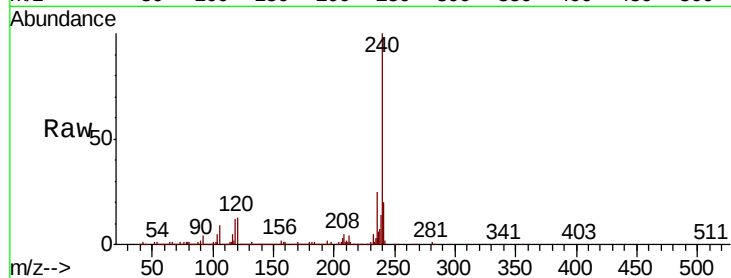
Tot Ion:240 Resp: 670498

Ion Ratio Lower Upper

240 100

120 12.5 10.6 16.0

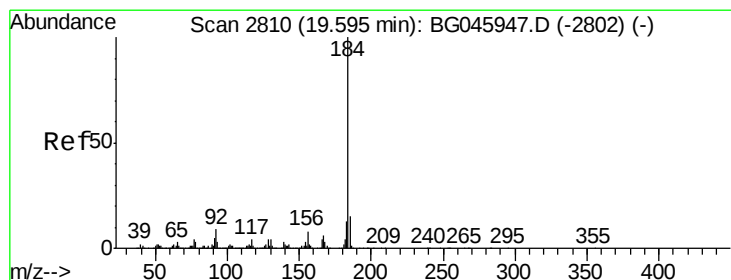
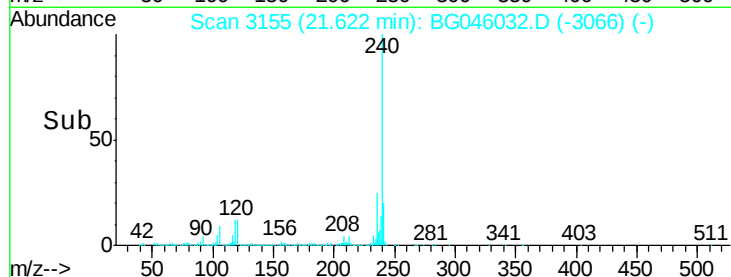
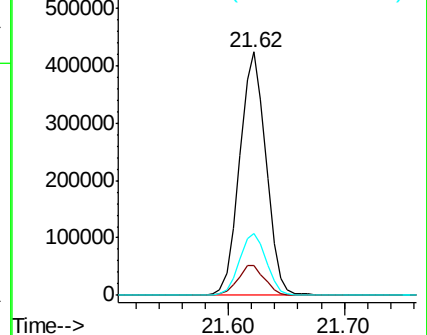
236 25.2 20.4 30.6



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



#77

Benzidine

Concen: 2.049 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.39 min

Lab File: BG046032.D

Acq: 14 Jul 2020 14:26

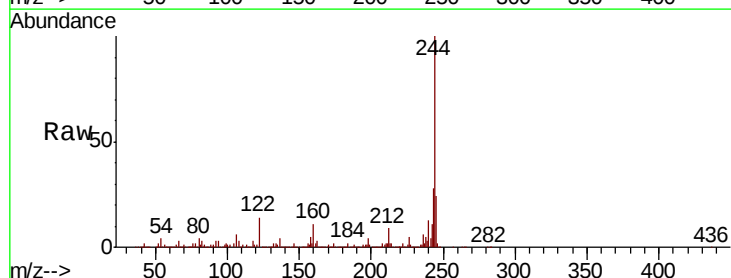
Tgt Ion:184 Resp: 39273

Ion Ratio Lower Upper

184 100

185 16.1 11.6 17.4

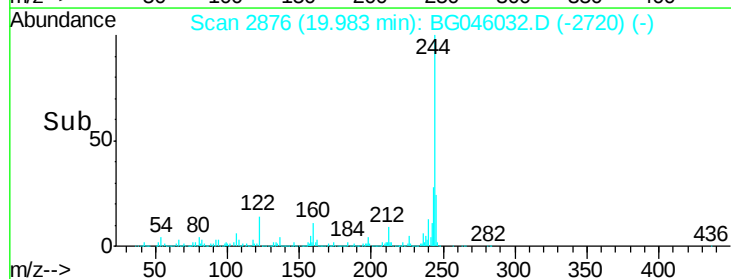
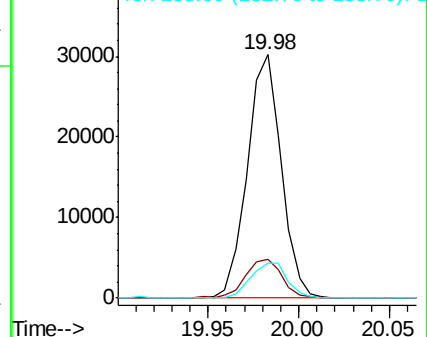
183 14.1 10.4 15.6

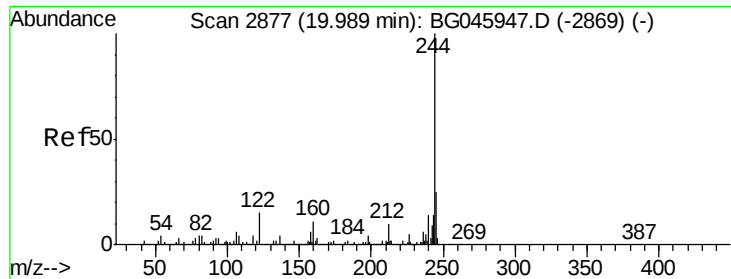


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

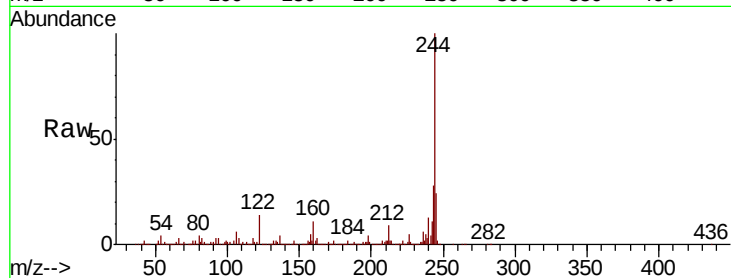




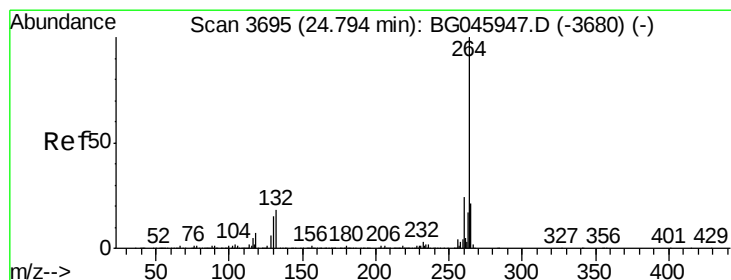
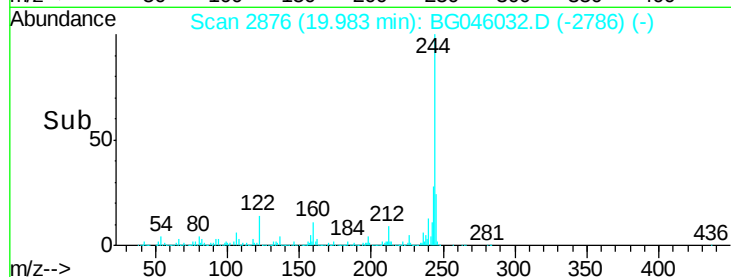
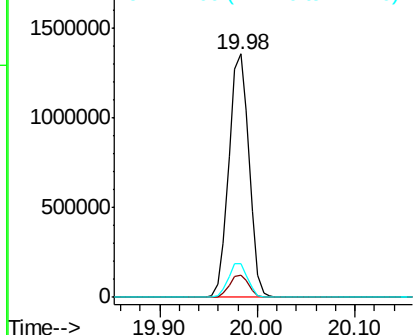
#79
 Terphenyl-d14
 Concen: 64.560 ng
 RT: 19.98 min Scan# 2876
 Delta R.T. -0.00 min
 Lab File: BG046032.D
 Acq: 14 Jul 2020 14:26

Instrument :
 BNA_G
 ClientSampleId :
 PB130179BL

Tot Ion:244 Resp: 1945037
 Ion Ratio Lower Upper
 244 100
 212 9.3 8.3 12.5
 122 14.1 12.1 18.1

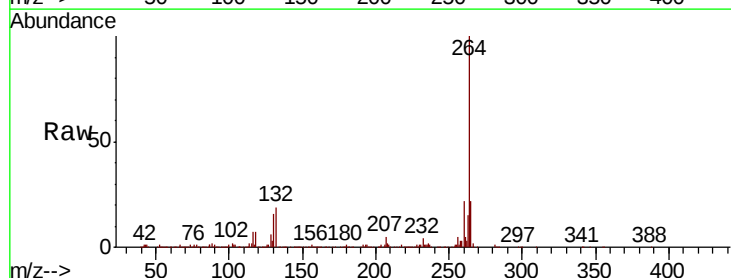


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.77 min Scan# 3691
 Delta R.T. -0.01 min
 Lab File: BG046032.D
 Acq: 14 Jul 2020 14:26

Tgt Ion:264 Resp: 655243
 Ion Ratio Lower Upper
 264 100
 260 22.4 19.0 28.6
 265 21.7 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

