

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071420\
 Data File : BG046040.D
 Acq On : 14 Jul 2020 19:48
 Operator : CG/JU
 Sample : PB130200TB
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB130200TB

Quant Time: Jul 15 00:35:34 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	8.01	152	110421	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	440959	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	259970	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	593413	20.00	ng	0.00
76) Chrysene-d12	21.62	240	630527	20.00	ng	0.00
86) Perylene-d12	24.78	264	600415	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	838405	123.13	ng	0.00
7) Phenol-d6	7.17	99	1112209	113.45	ng	0.00
23) Nitrobenzene-d5	9.15	82	705034	92.03	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	309117	128.12	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1300485	78.03	ng	0.00
79) Terphenyl-d14	19.98	244	1981540	69.94	ng	0.00

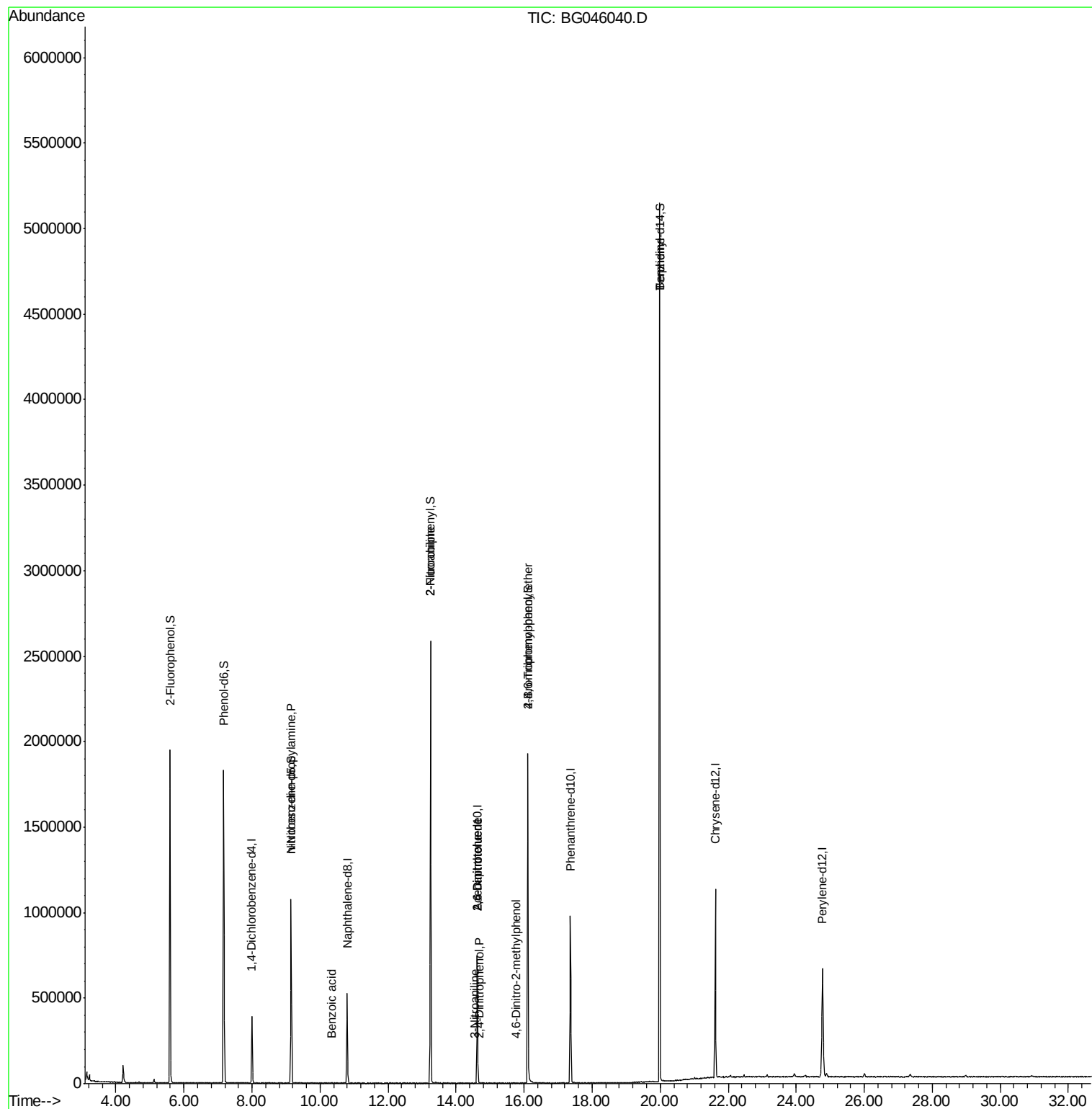
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.16	70	92944	13.496	ng	# 76
32) Benzoic acid	10.34	122	57	6.519	ng	# 1
48) 2-Nitroaniline	13.24	65	2497	3.906	ng	# 30
51) 2,6-Dinitrotoluene	14.63	165	34387	12.485	ng	# 18
53) 3-Nitroaniline	14.55	138	61	2.996	ng	# 1
54) 2,4-Dinitrophenol	14.70	184	61	6.154	ng	# 17
57) 2,4-Dinitrotoluene	14.63	165	34387	11.010	ng	# 20
65) 4,6-Dinitro-2-methylphenol	15.77	198	58	6.815	ng	# 29
67) 4-Bromophenyl-phenylether	16.11	248	21919	3.307	ng	# 1
77) Benzidine	19.98	184	41085	2.279	ng	# 92

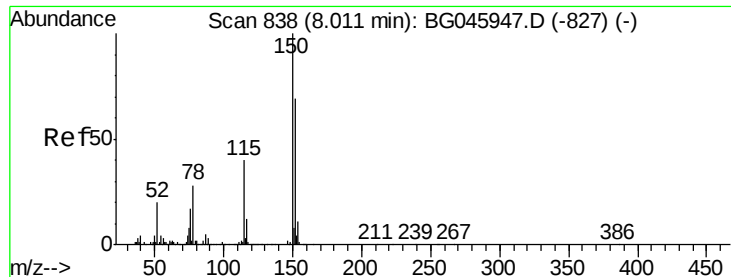
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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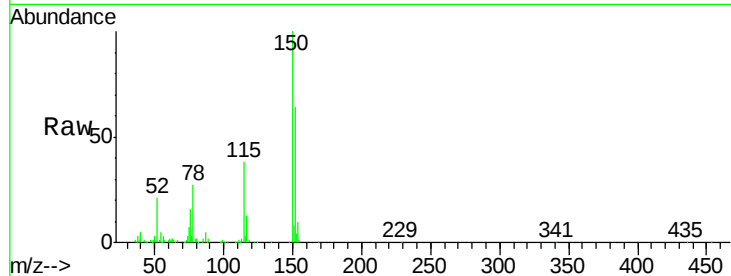


#1

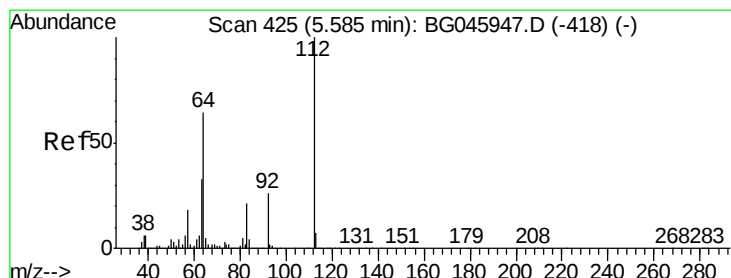
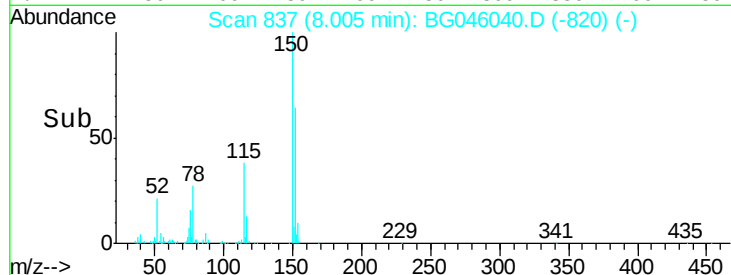
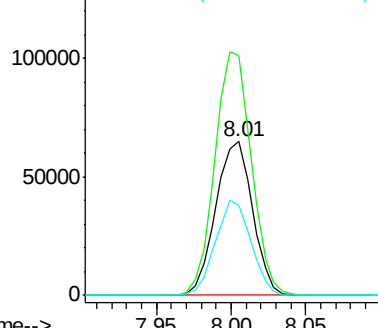
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG046040.D
Acq: 14 Jul 2020 19:48

Instrument :
BNA_G
ClientSampleId :
PB130200TB

Tot Ion:152 Resp: 110421
Ion Ratio Lower Upper
152 100
150 156.2 116.7 175.1
115 58.7 47.4 71.0



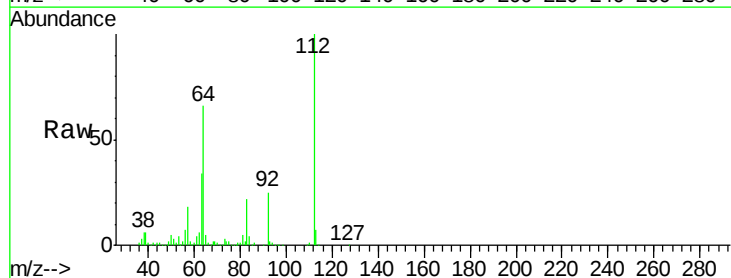
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



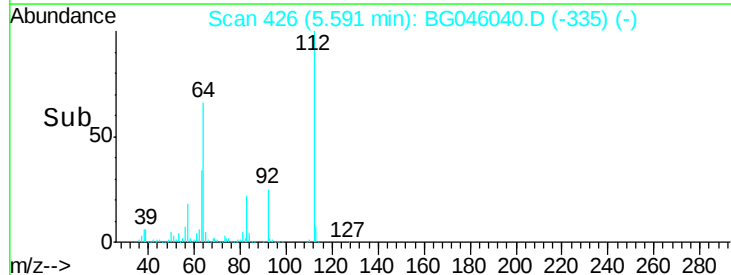
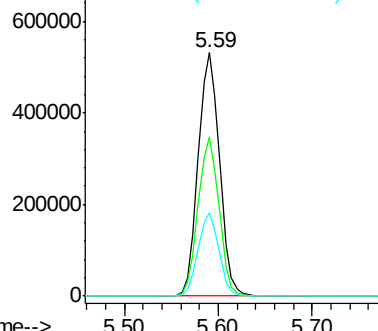
#5

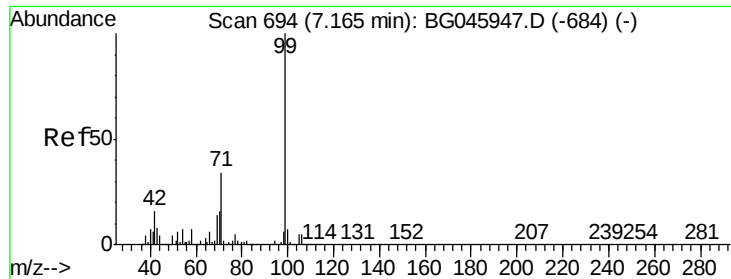
2-Fluorophenol
Concen: 123.130 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.01 min
Lab File: BG046040.D
Acq: 14 Jul 2020 19:48

Tgt Ion:112 Resp: 838405
Ion Ratio Lower Upper
112 100
64 65.6 51.4 77.2
63 34.5 26.6 40.0



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: 113.454 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG046040.D

Acq: 14 Jul 2020 19:48

Instrument :

BNA_G

ClientSampleId :

PB130200TB

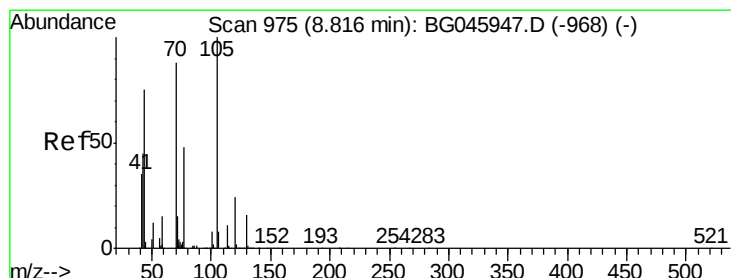
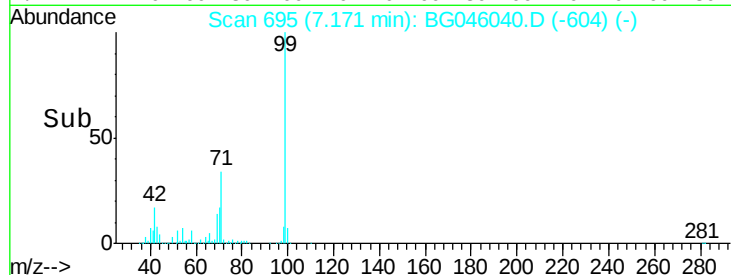
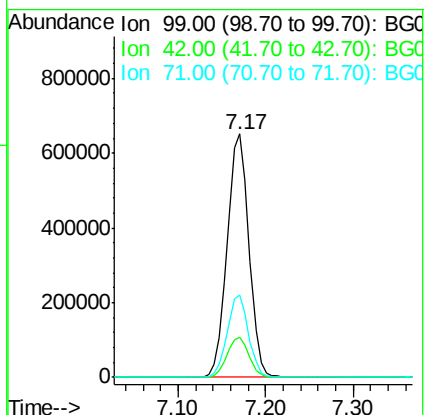
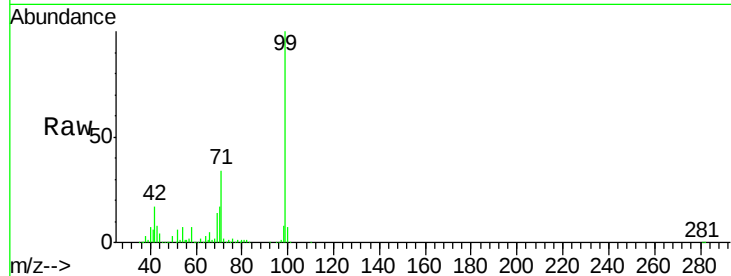
Tot Ion: 99 Resp: 1112209

Ion Ratio Lower Upper

99 100

42 16.6 13.0 19.4

71 33.9 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 13.496 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.35 min

Lab File: BG046040.D

Acq: 14 Jul 2020 19:48

Tgt Ion: 70 Resp: 92944

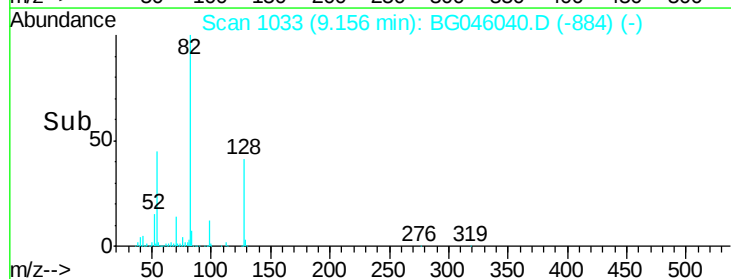
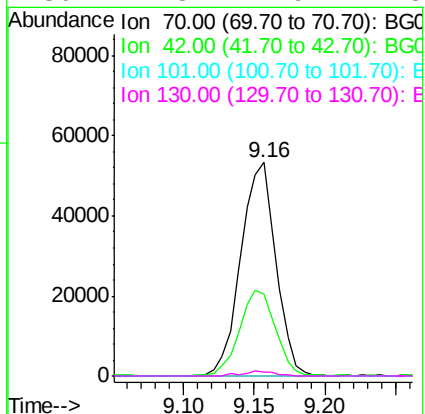
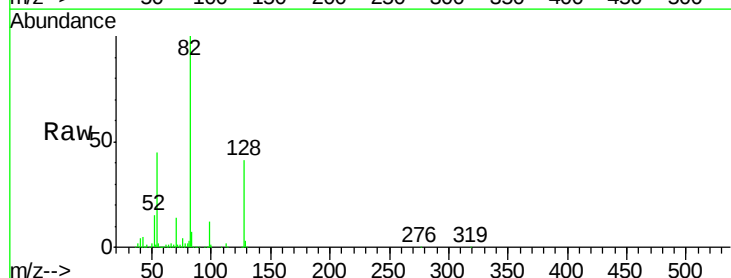
Ion Ratio Lower Upper

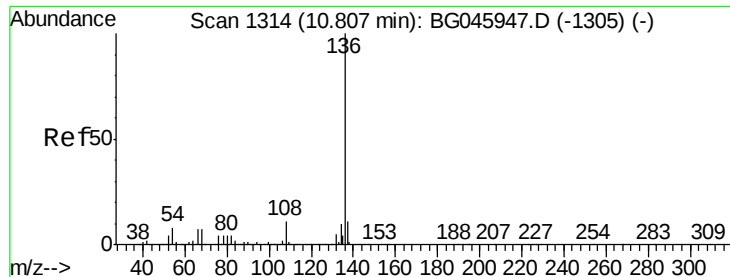
70 100

42 38.6 41.4 62.0#

101 0.0 7.1 10.7#

130 1.8 14.9 22.3#

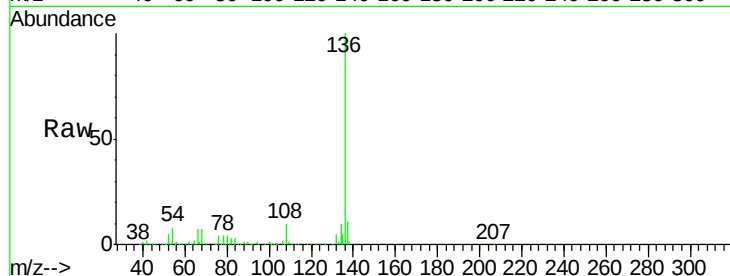




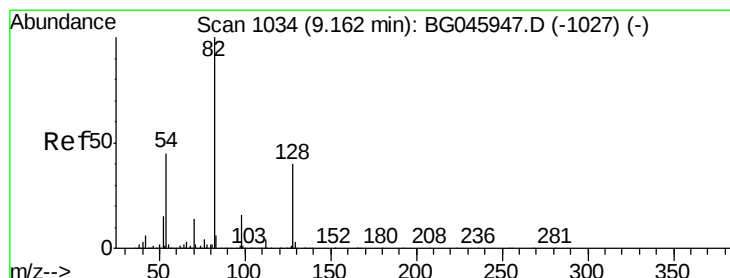
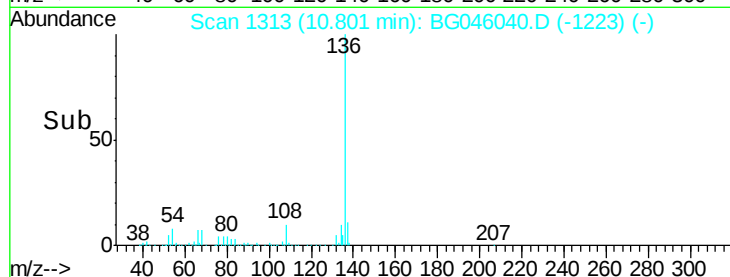
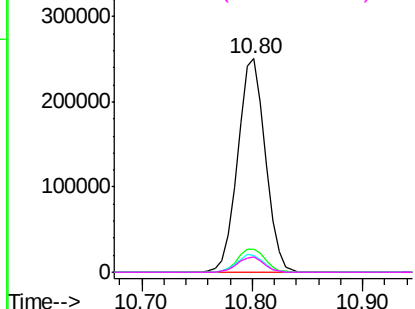
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG046040.D
Acq: 14 Jul 2020 19:48

Instrument :
BNA_G
ClientSampleId :
PB130200TB

Tot Ion:136	Resp:	440959
Ion Ratio	Lower	Upper
136 100		
137 10.9	9.2	13.8
54 7.9	6.2	9.4
68 7.0	5.8	8.8

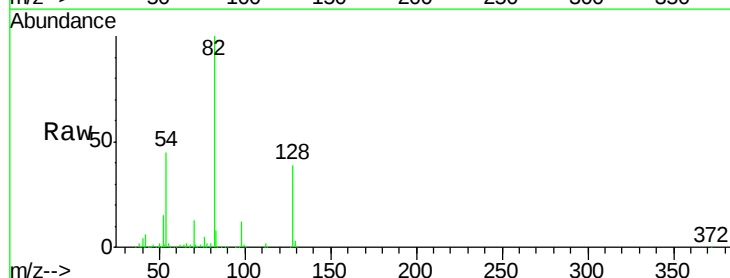


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

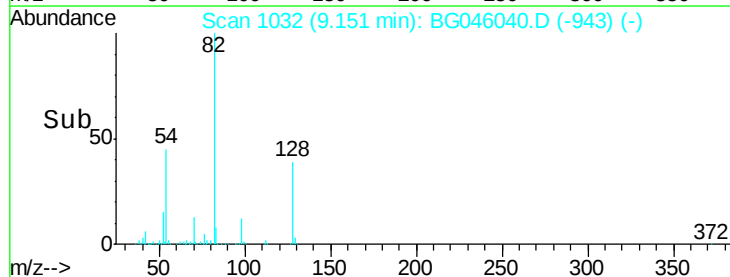
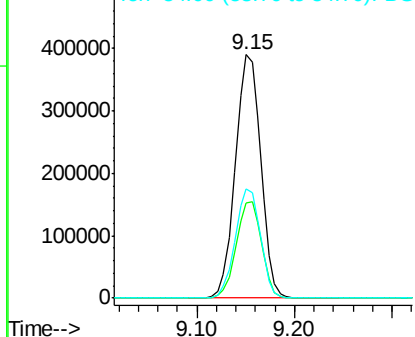


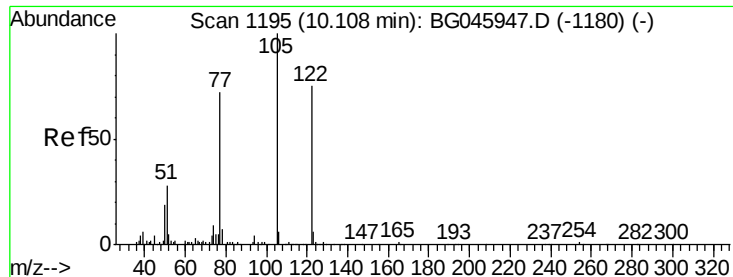
#23
Nitrobenzene-d5
Concen: 92.027 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BG046040.D
Acq: 14 Jul 2020 19:48

Tgt Ion	82	Resp: Lower	705034 Upper
	Ratio 100		
128	39.3	32.2	48.4
54	44.6	35.8	53.6



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





#32

Benzoic acid

Concen: 6.519 ng

RT: 10.34 min Scan# 1235

Delta R.T. 0.24 min

Lab File: BG046040.D

Acq: 14 Jul 2020 19:48

Instrument :

BNA_G

ClientSampleId :

PB130200TB

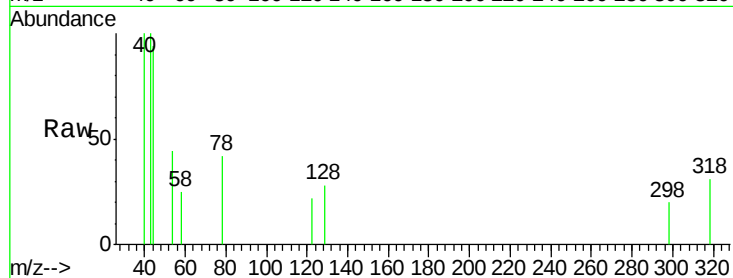
Tot Ion:122 Resp: 57

Ion Ratio Lower Upper

122 100

105 0.0 110.8 150.8#

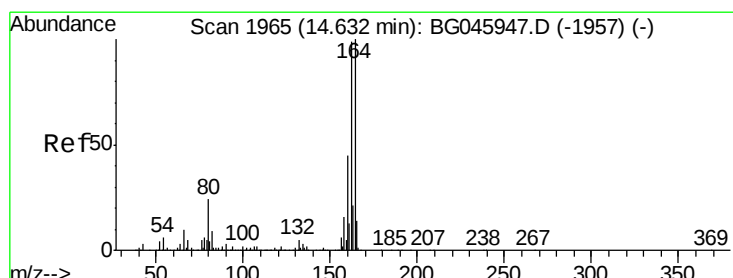
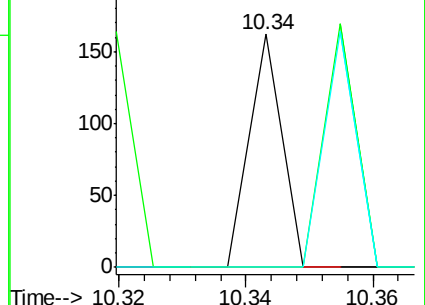
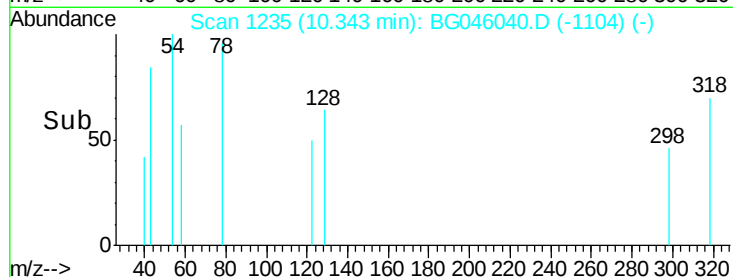
77 0.0 76.4 116.4#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG046040.D

Acq: 14 Jul 2020 19:48

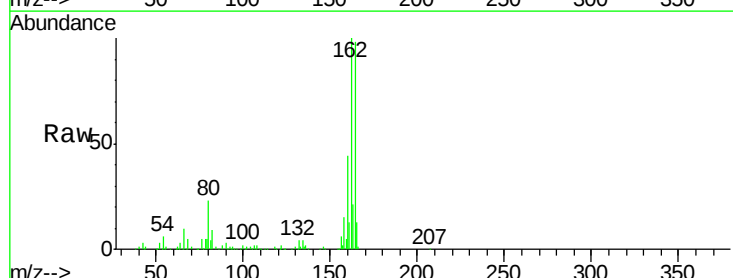
Tgt Ion:164 Resp: 259970

Ion Ratio Lower Upper

164 100

162 101.7 79.3 118.9

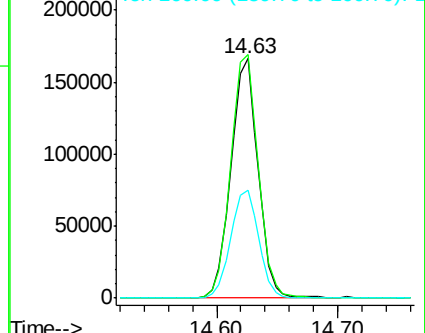
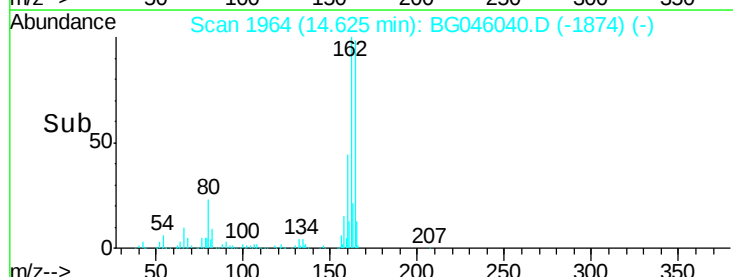
160 45.0 35.7 53.5

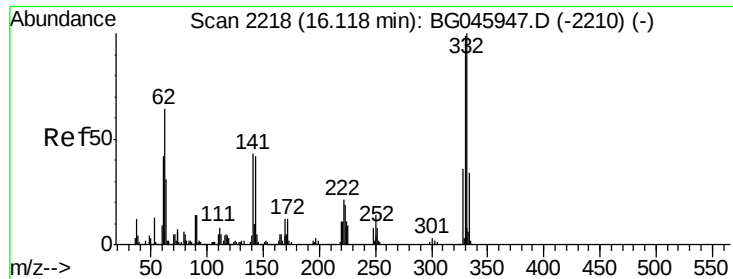


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 128.116 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG046040.D

Acq: 14 Jul 2020 19:48

Instrument :

BNA_G

ClientSampleId :

PB130200TB

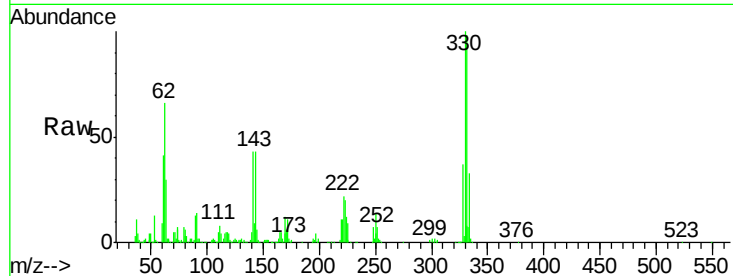
Tot Ion:330 Resp: 309117

Ion Ratio Lower Upper

330 100

332 96.3 78.3 117.5

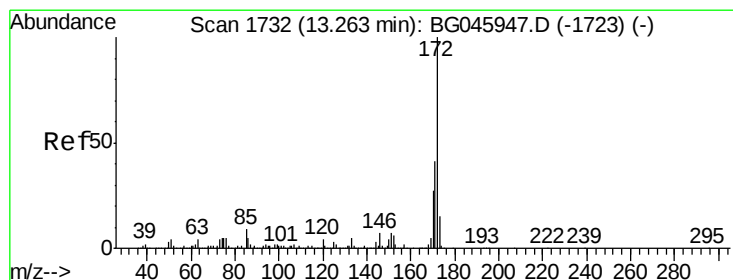
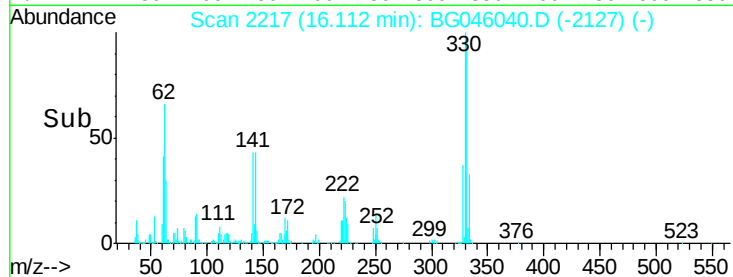
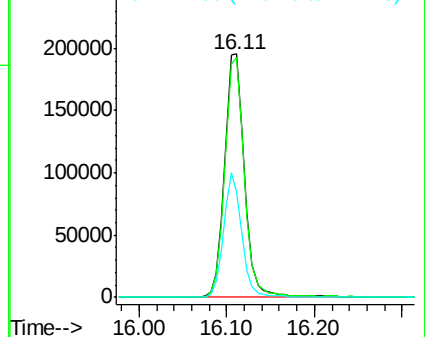
141 46.7 36.6 54.8



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: 78.029 ng

RT: 13.25 min Scan# 1730

Delta R.T. -0.01 min

Lab File: BG046040.D

Acq: 14 Jul 2020 19:48

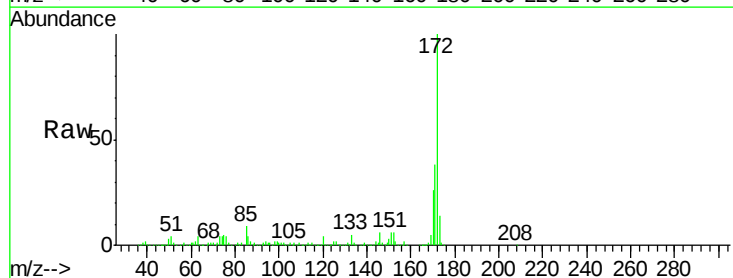
Tgt Ion:172 Resp: 1300485

Ion Ratio Lower Upper

172 100

171 38.5 32.9 49.3

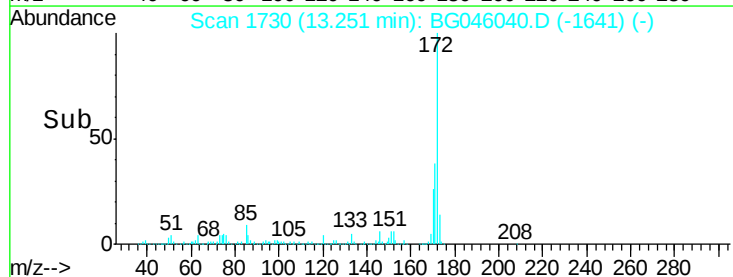
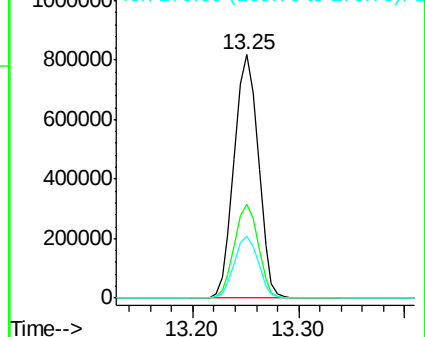
170 25.6 21.8 32.6

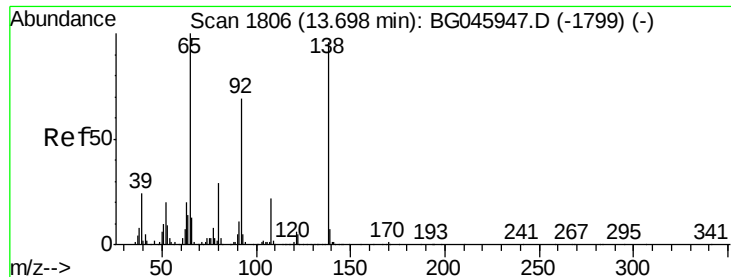


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

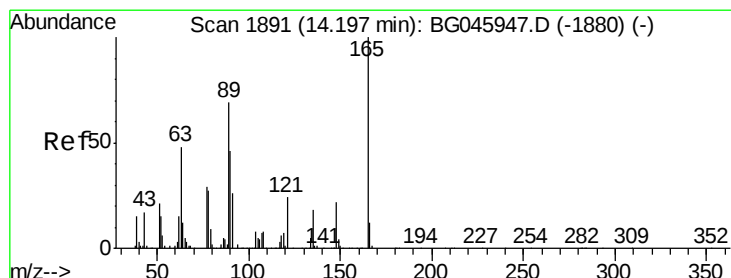
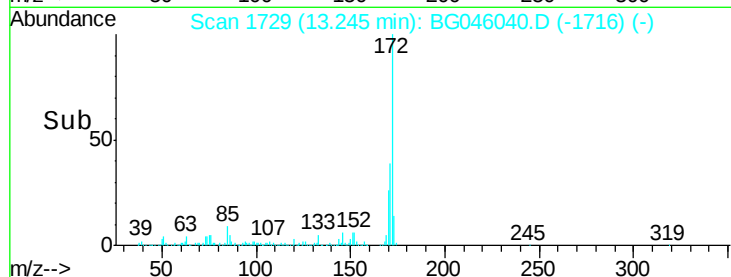
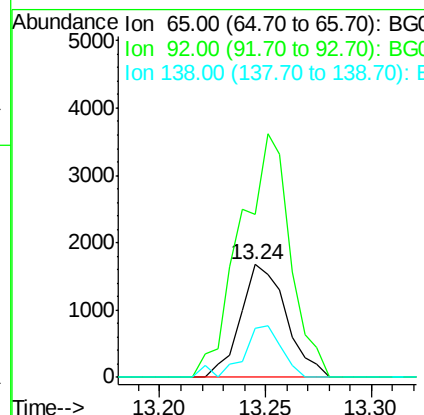
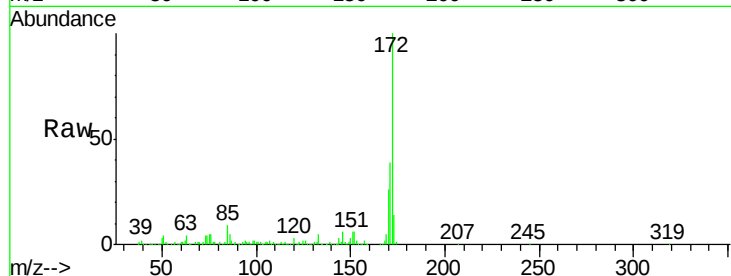




#48
2-Nitroaniline
Concen: 3.906 ng
RT: 13.24 min Scan# 1729
Delta R.T. -0.45 min
Lab File: BG046040.D
Acq: 14 Jul 2020 19:48

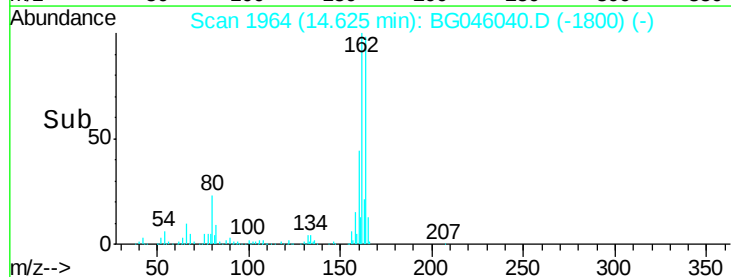
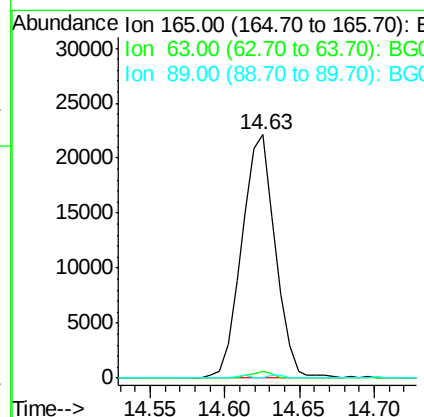
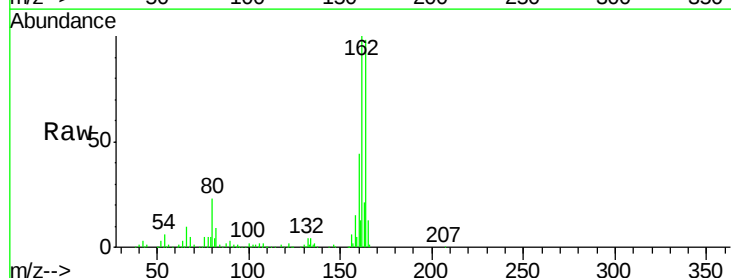
Instrument :
BNA_G
ClientSampleId :
PB130200TB

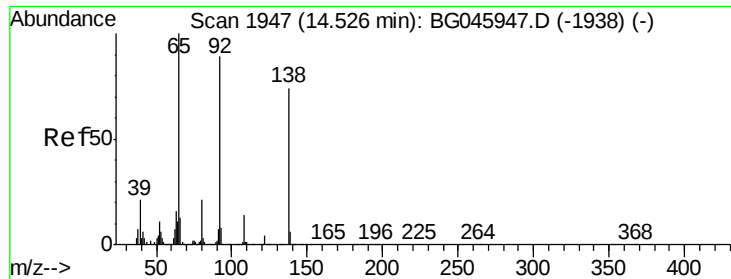
Tot Ion: 65 Resp: 2497
Ion Ratio Lower Upper
65 100
92 144.7 55.4 83.0#
138 43.9 77.0 115.4#



#51
2,6-Dinitrotoluene
Concen: 12.485 ng
RT: 14.63 min Scan# 1964
Delta R.T. 0.43 min
Lab File: BG046040.D
Acq: 14 Jul 2020 19:48

Tgt Ion: 165 Resp: 34387
Ion Ratio Lower Upper
165 100
63 2.9 51.0 76.4#
89 0.0 55.7 83.5#





#53

3-Nitroaniline

Concen: 2.996 ng

RT: 14.55 min Scan# 1952

Delta R.T. 0.04 min

Lab File: BG046040.D

Acq: 14 Jul 2020 19:48

Instrument :

BNA_G

ClientSampleId :

PB130200TB

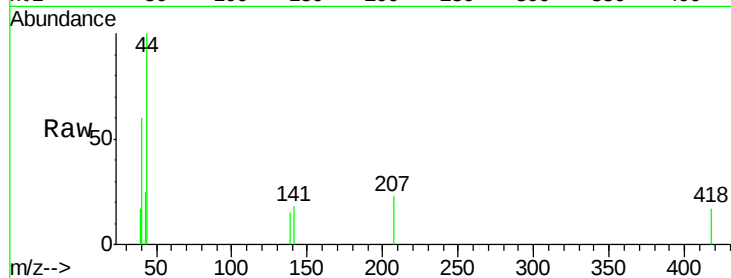
Tot Ion:138 Resp: 61

Ion Ratio Lower Upper

138 100

108 0.0 15.4 23.2#

92 0.0 95.9 143.9#



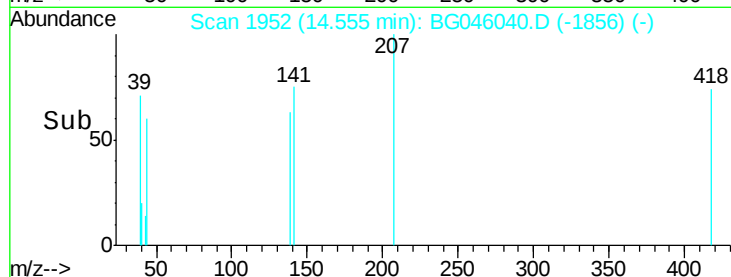
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

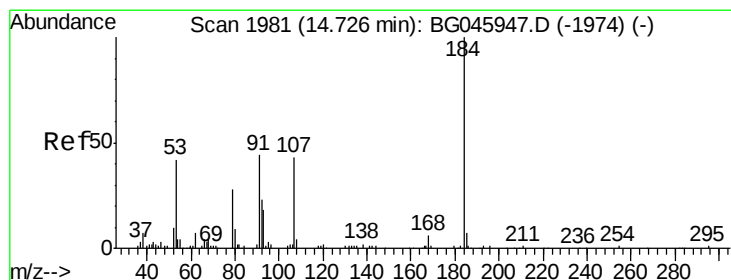
Ion 92.00 (91.70 to 92.70): B

14.55

14.54 14.56



Time-->



#54

2,4-Dinitrophenol

Concen: 6.154 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.02 min

Lab File: BG046040.D

Acq: 14 Jul 2020 19:48

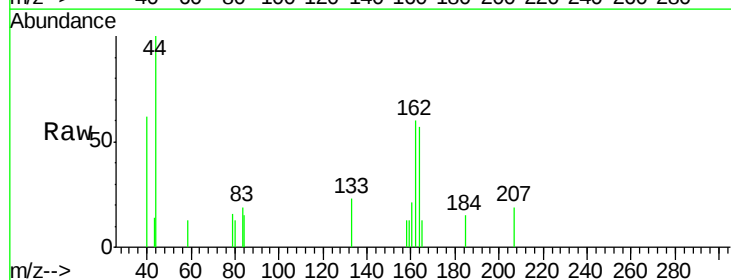
Tgt Ion:184 Resp: 61

Ion Ratio Lower Upper

184 100

63 0.0 46.0 69.0#

154 0.0 58.2 87.2#



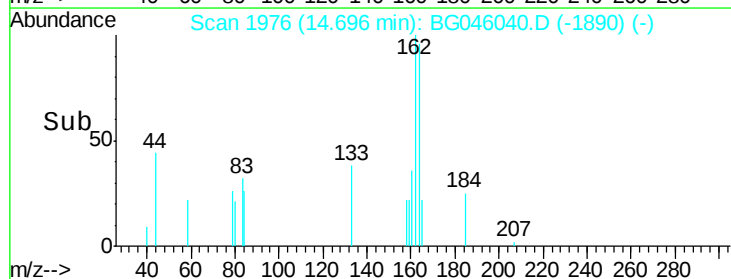
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): B

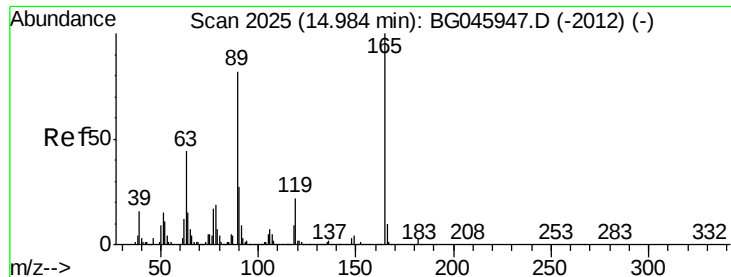
Ion 154.00 (153.70 to 154.70): E

14.70

14.68 14.70



Time-->



#57

2,4-Dinitrotoluene

Concen: 11.010 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.35 min

Lab File: BG046040.D

Acq: 14 Jul 2020 19:48

Instrument :

BNA_G

ClientSampleId :

PB130200TB

Tot Ion:165 Resp: 34387

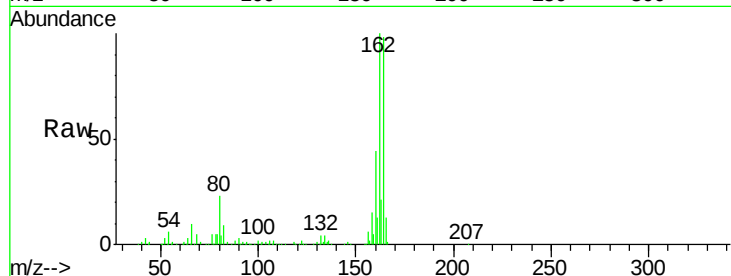
Ion Ratio Lower Upper

165 100

63 2.9 35.4 53.0#

89 0.0 65.4 98.2#

182 0.0 2.0 3.0#

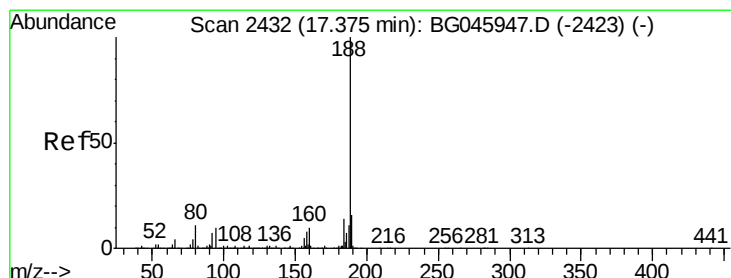
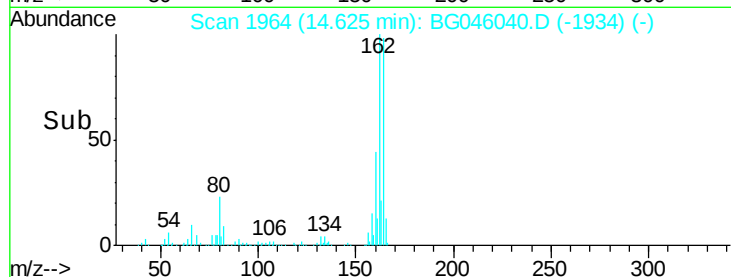
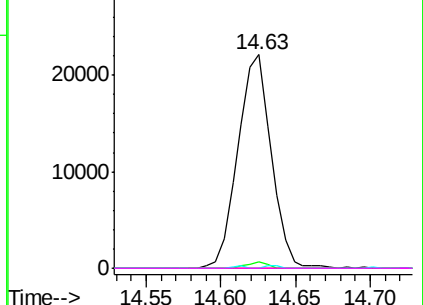


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG046040.D

Acq: 14 Jul 2020 19:48

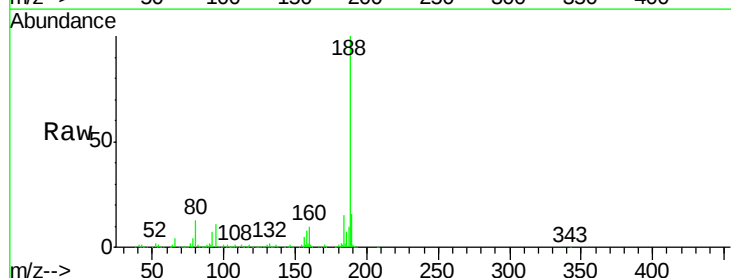
Tgt Ion:188 Resp: 593413

Ion Ratio Lower Upper

188 100

94 10.7 8.2 12.4

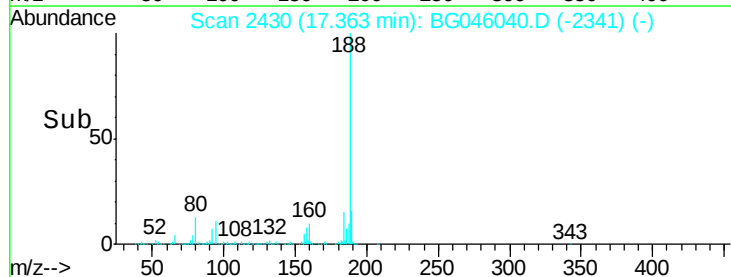
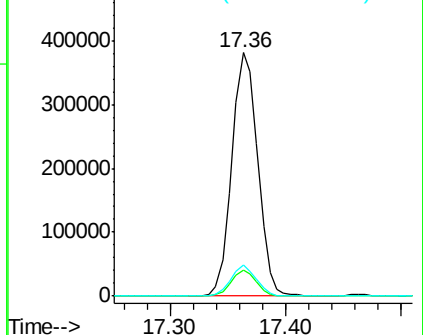
80 12.5 9.0 13.6

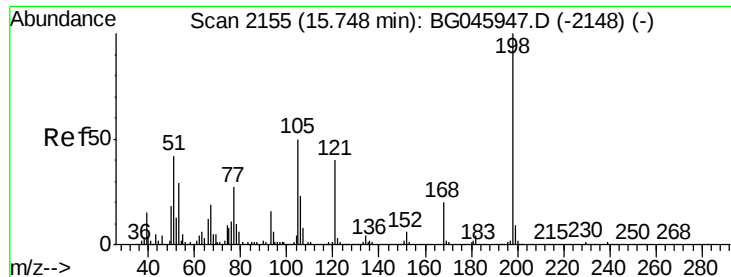


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

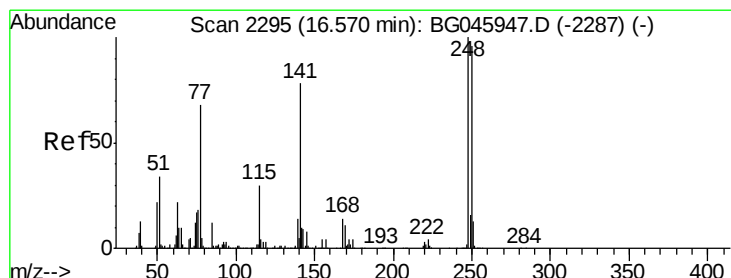
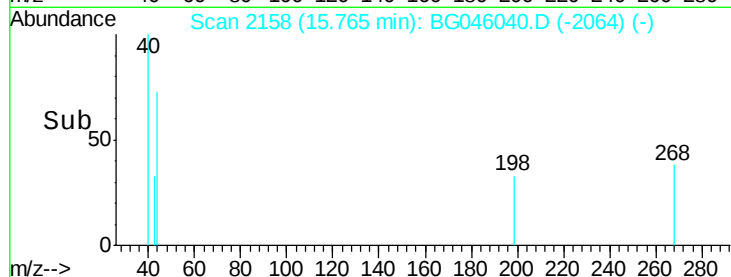
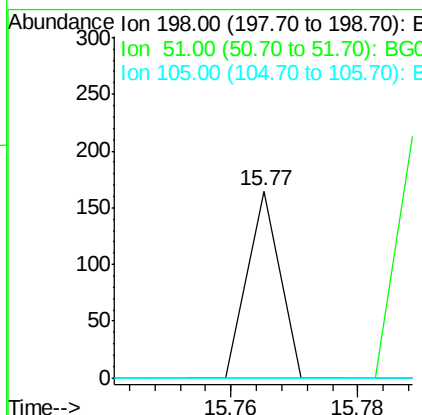
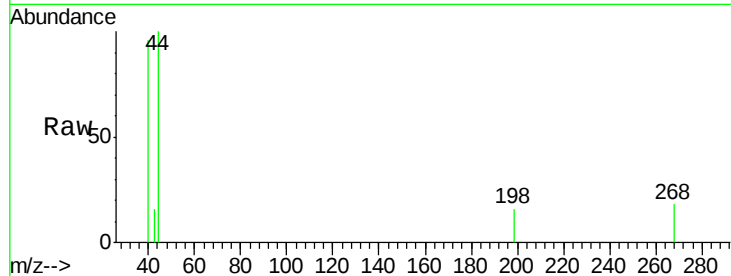




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.815 ng
 RT: 15.77 min Scan# 2158
 Delta R.T. 0.02 min
 Lab File: BG046040.D
 Acq: 14 Jul 2020 19:48

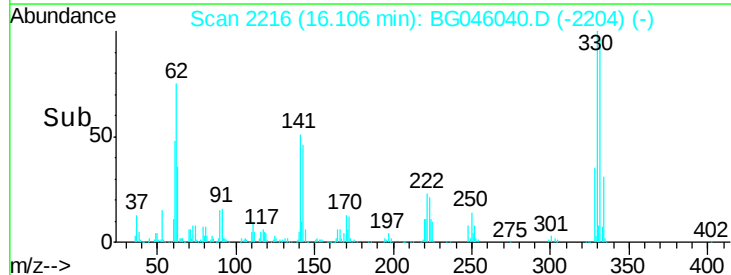
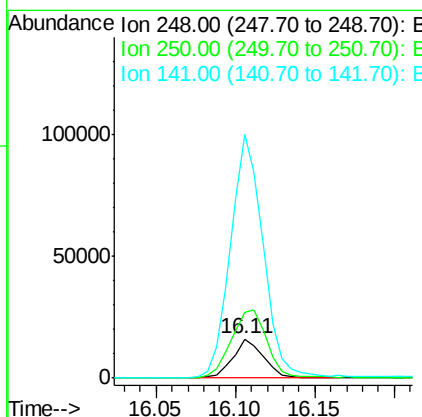
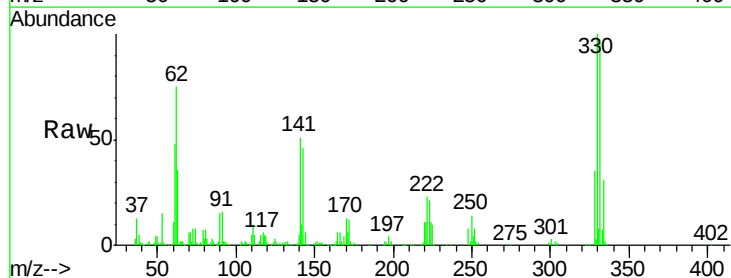
Instrument :
 BNA_G
 ClientSampleId :
 PB130200TB

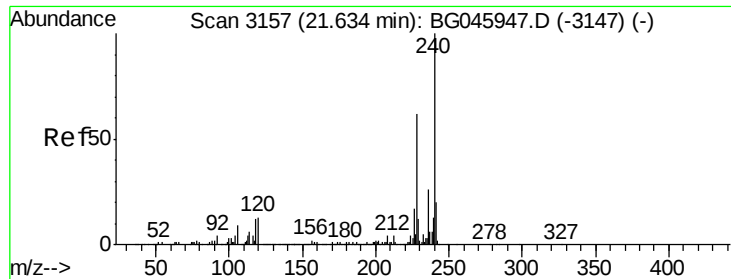
Tot Ion	Ratio	Lower	Upper
198	100		
51	0.0	24.5	64.5#
105	0.0	30.9	70.9#



#67
 4-Bromophenyl-phenylether
 Concen: 3.307 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.46 min
 Lab File: BG046040.D
 Acq: 14 Jul 2020 19:48

Tgt Ion	Ratio	Lower	Upper
248	100		
250	167.7	76.6	114.8#
141	621.8	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: BG046040.D

Acq: 14 Jul 2020 19:48

Instrument :

BNA_G

ClientSampleId :

PB130200TB

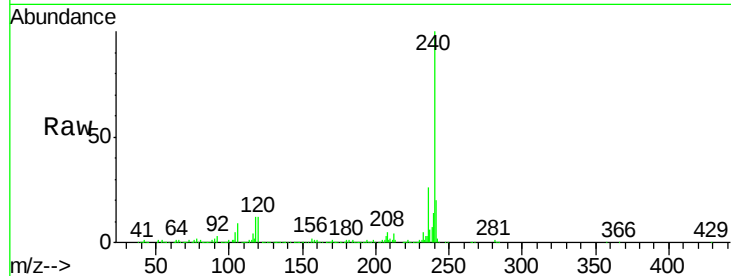
Tot Ion:240 Resp: 630527

Ion Ratio Lower Upper

240 100

120 12.3 10.6 16.0

236 26.0 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

400000

300000

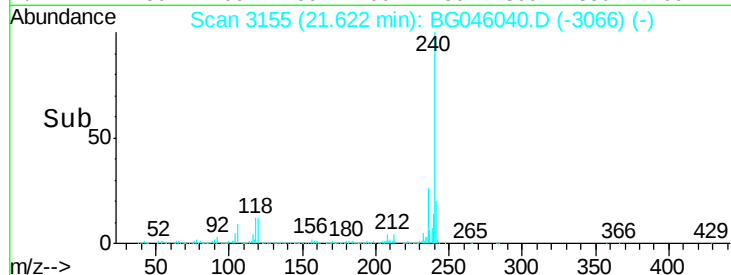
200000

100000

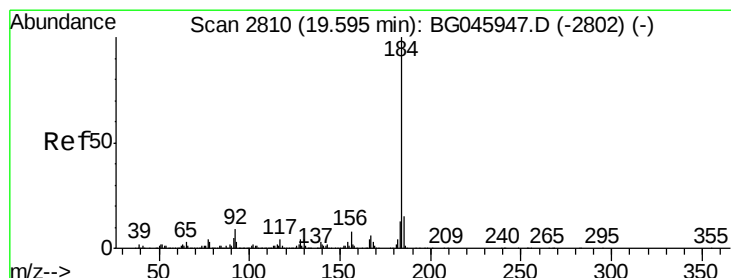
0

21.62

21.50 21.60 21.70 21.80



Time-->



#77

Benzidine

Concen: 2.279 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.39 min

Lab File: BG046040.D

Acq: 14 Jul 2020 19:48

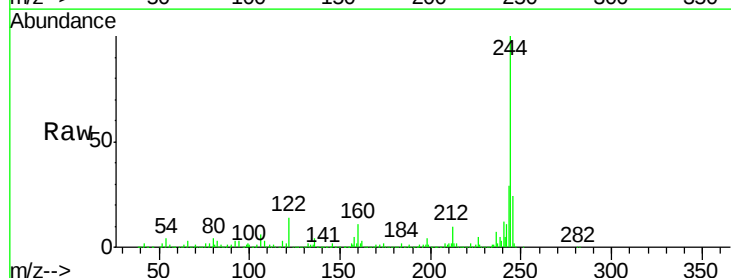
Tgt Ion:184 Resp: 41085

Ion Ratio Lower Upper

184 100

185 20.4 11.6 17.4#

183 12.4 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

40000

30000

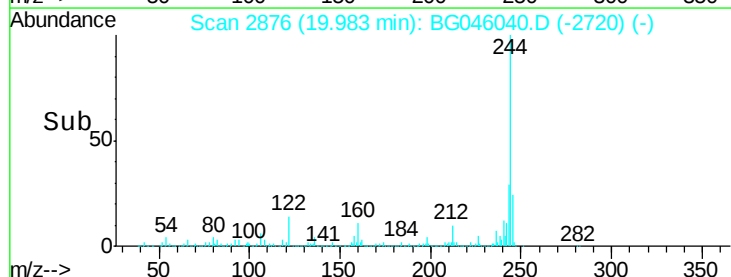
20000

10000

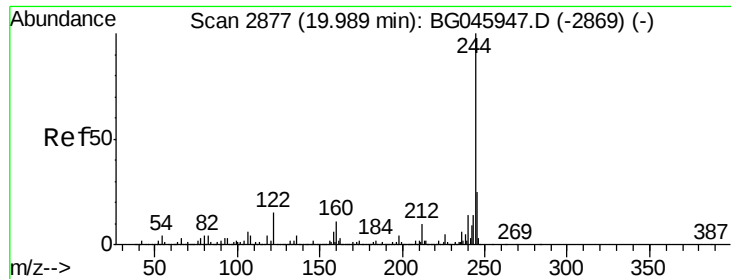
0

19.98

19.95 20.00



Time-->



#79

Terphenyl-d14

Concen: 69.941 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BG046040.D

Acq: 14 Jul 2020 19:48

Instrument :

BNA_G

ClientSampleId :

PB130200TB

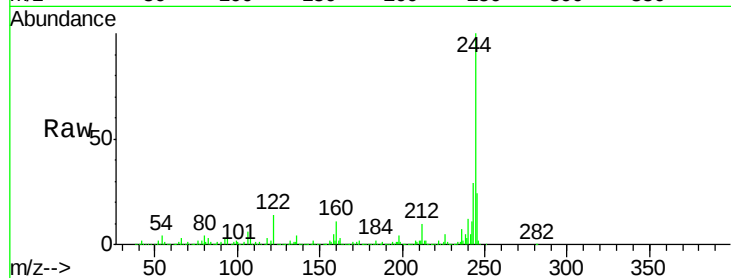
Tot Ion:244 Resp: 1981540

Ion	Ratio	Lower	Upper
244	100		
212	9.5	8.3	12.5
122	13.9	12.1	18.1

244 100

212 9.5 8.3 12.5

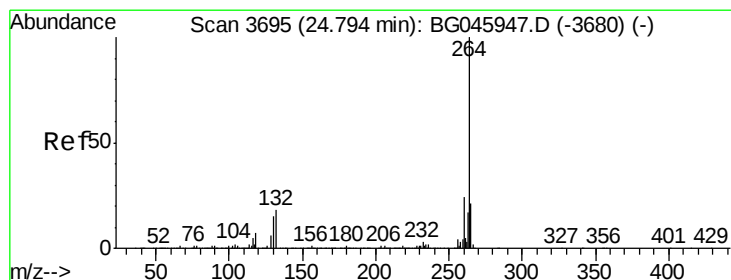
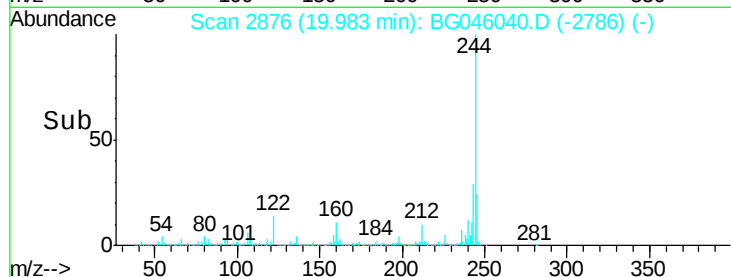
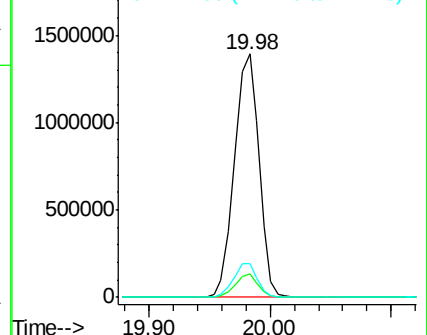
122 13.9 12.1 18.1



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: 24.78 min Scan# 3692

Delta R.T. -0.01 min

Lab File: BG046040.D

Acq: 14 Jul 2020 19:48

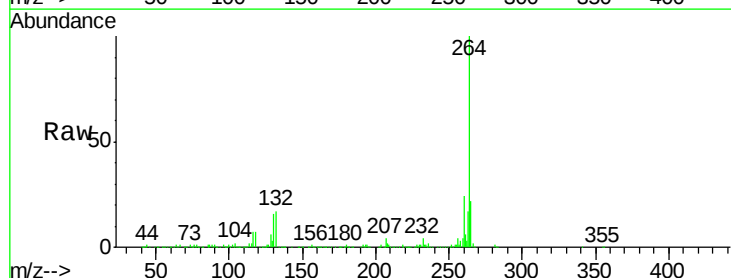
Tgt Ion:264 Resp: 600415

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.7	16.9	25.3

264 100

260 23.9 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

