

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031920\
 Data File : BG044907.D
 Acq On : 19 Mar 2020 21:35
 Operator : CG/JU
 Sample : L1965-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 80564952

Quant Time: Mar 20 01:22:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	89191	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	333102	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	222381	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	512770	20.00	ng	0.00
76) Chrysene-d12	21.68	240	518495	20.00	ng	-0.02
87) Perylene-d12	24.89	264	578941	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	661440	115.44	ng	0.00
7) Phenol-d6	7.20	99	849616	102.06	ng	0.00
23) Nitrobenzene-d5	9.20	82	670351	88.31	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	438549	150.61	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1358529	87.48	ng	0.00
79) Terphenyl-d14	20.03	244	2341284	84.47	ng	0.00

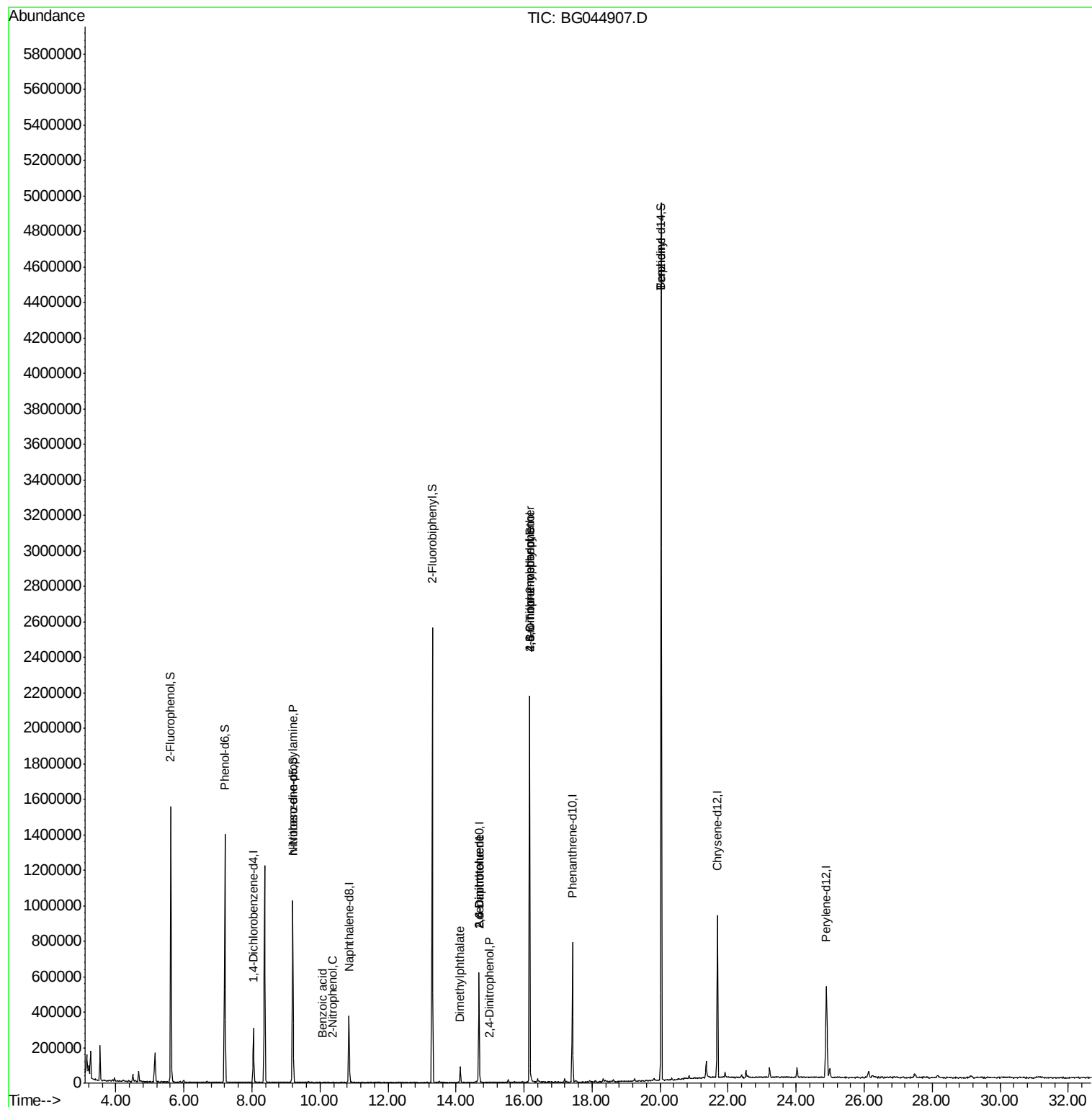
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	1488	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	90325	15.37	ng	75
26) 2-Nitrophenol	10.39	139	83	5.54	ng	28
32) Benzoic acid	10.06	122	101	9.69	ng	1
50) Dimethylphthalate	14.12	163	63578	3.59	ng	99
51) 2,6-Dinitrotoluene	14.68	165	28575	8.00	ng	22
54) 2,4-Dinitrophenol	14.98	184	119	8.38	ng	51
57) 2,4-Dinitrotoluene	14.68	165	28575	5.84	ng	22
65) 4,6-Dinitro-2-methylphenol	16.16	198	1775	8.35	ng	1
67) 4-Bromophenyl-phenylether	16.16	248	30510	4.76	ng	1
77) Benzidine	20.03	184	48258	2.87	ng	91

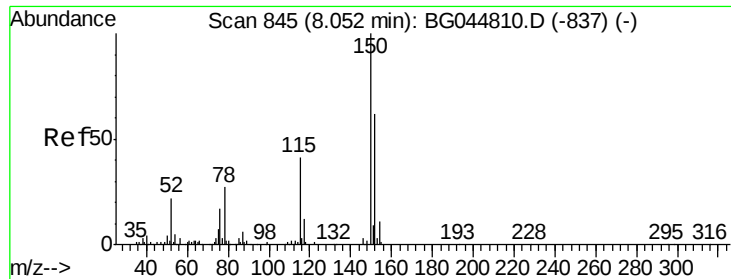
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.01 min

Lab File: BG044907.D

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Instrument :

BNA_G

ClientSampleId :

80564952

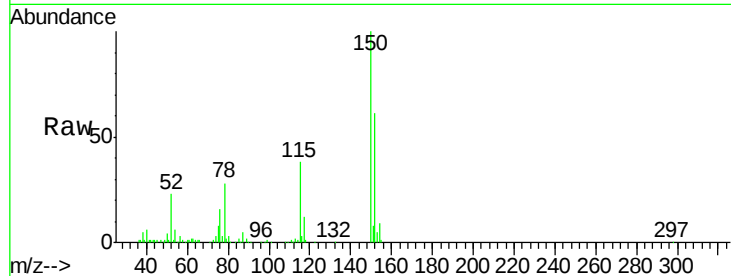
Tgt Ion:152 Resp: 89191

Ion Ratio Lower Upper

152 100

150 164.3 128.8 193.2

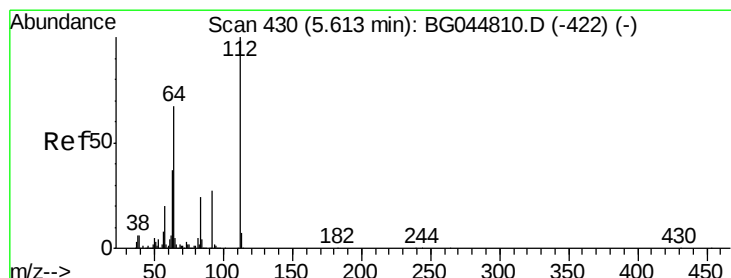
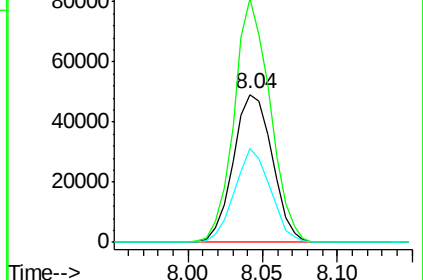
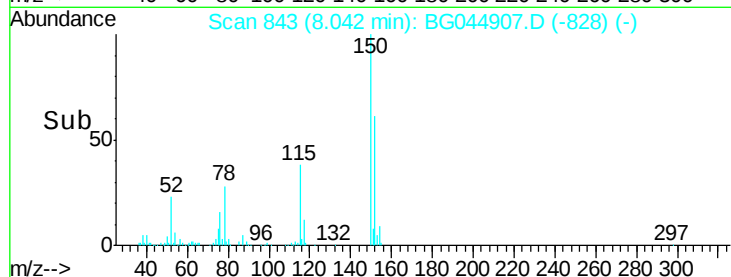
115 63.1 52.6 79.0



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: 115.44 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044907.D

Acq: 19 Mar 2020 21:35

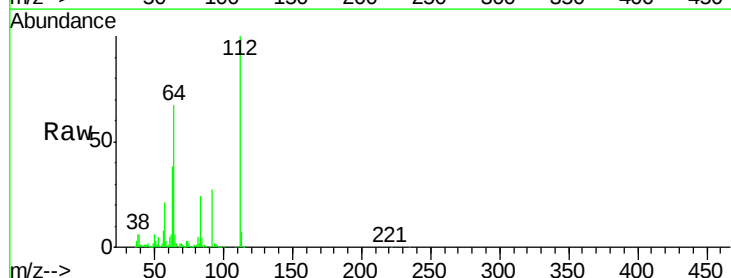
Tgt Ion:112 Resp: 661440

Ion Ratio Lower Upper

112 100

64 66.7 53.4 80.2

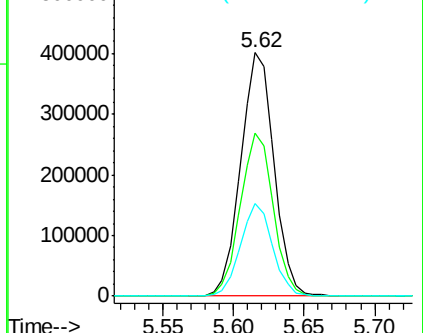
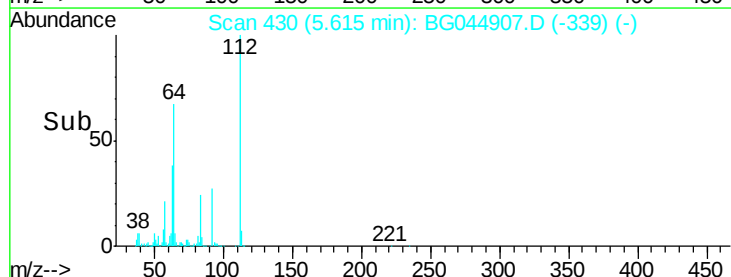
63 38.0 29.4 44.2

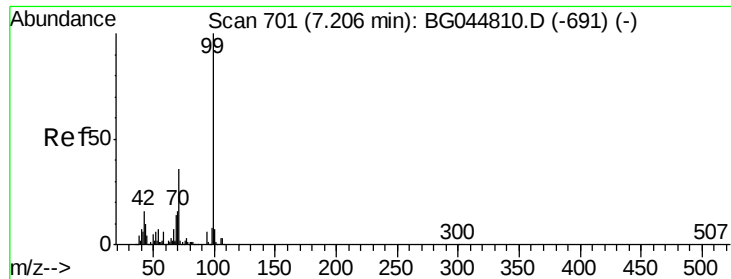


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 102.06 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044907.D

Acq: 19 Mar 2020 21:35

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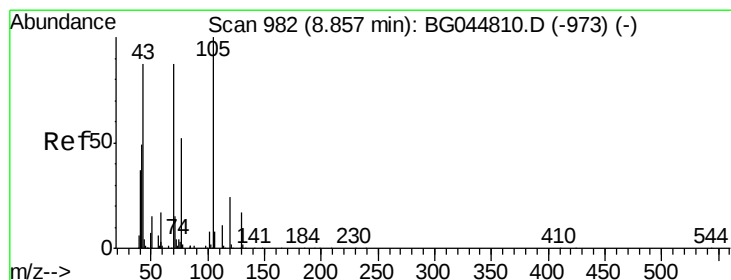
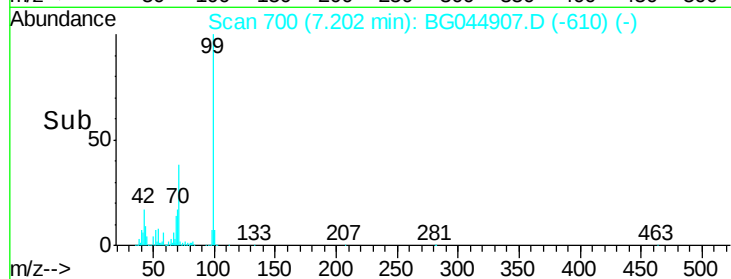
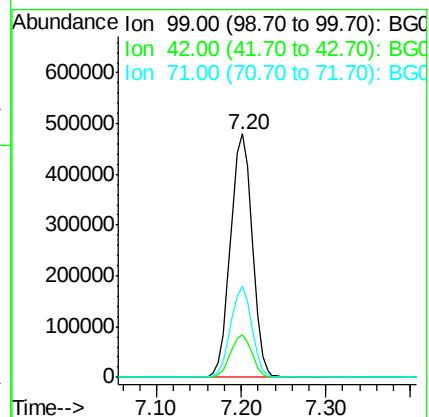
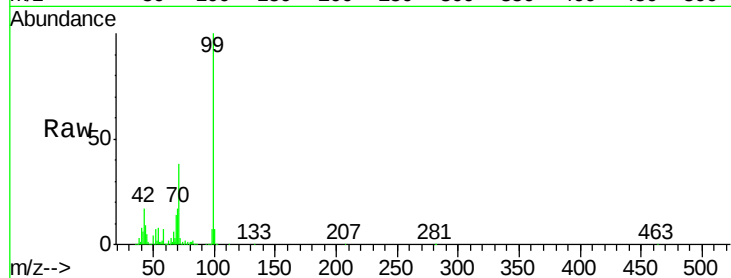
Tgt Ion: 99 Resp: 849616

Ion Ratio Lower Upper

99 100

42 17.5 12.6 19.0

71 37.8 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.37 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044907.D

Acq: 19 Mar 2020 21:35

Tgt Ion: 70 Resp: 90325

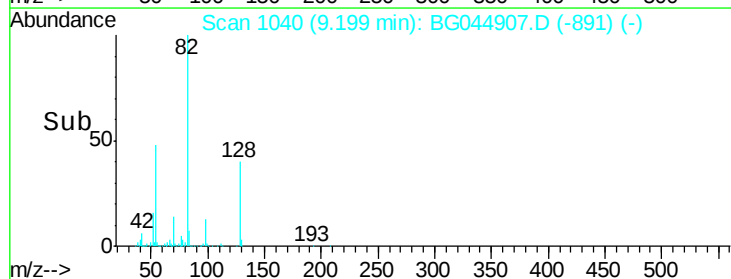
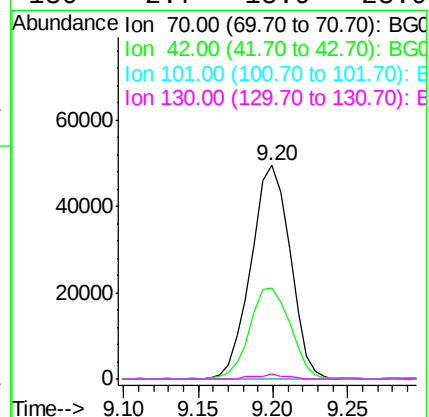
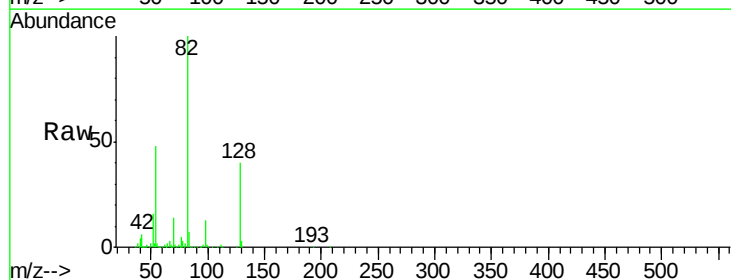
Ion Ratio Lower Upper

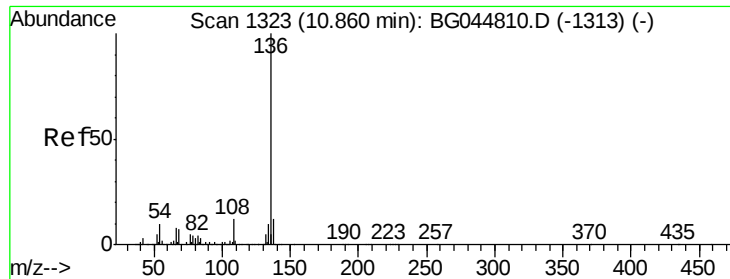
70 100

42 42.5 45.7 68.5#

101 0.0 7.4 11.2#

130 2.7 15.9 23.9#

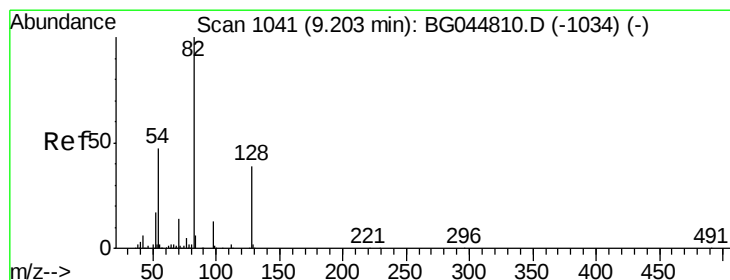
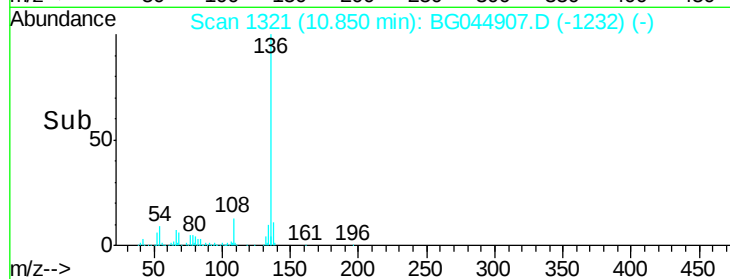
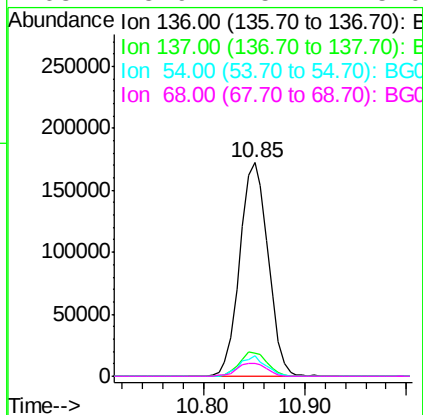
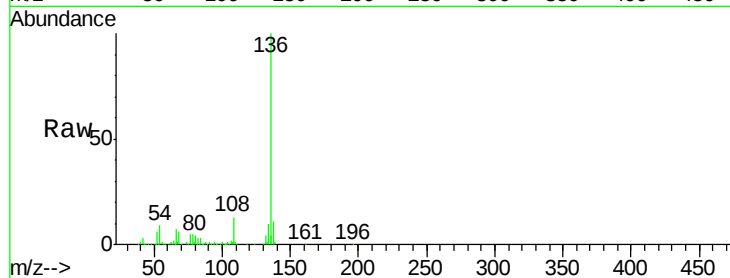




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044907.D
Acq: 19 Mar 2020 21:35

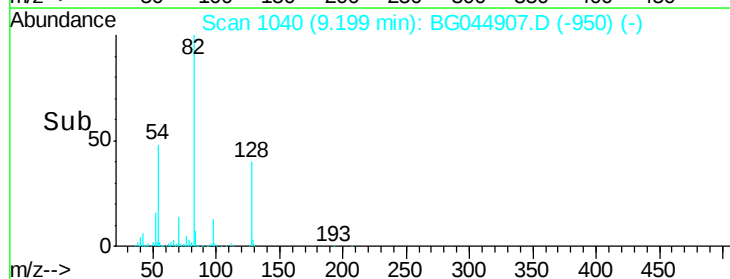
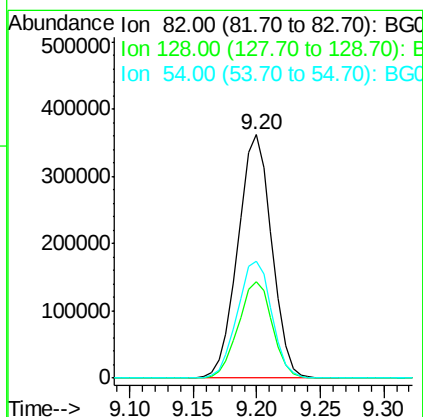
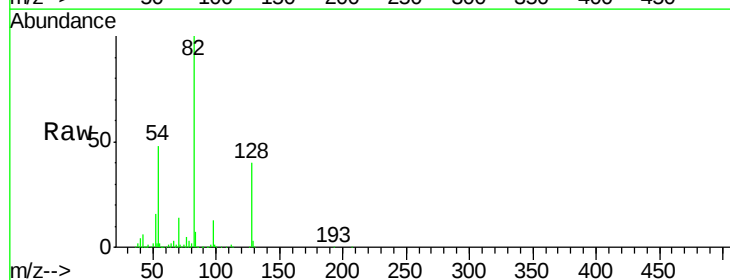
Instrument :
BNA_G
ClientSampleId :
80564952

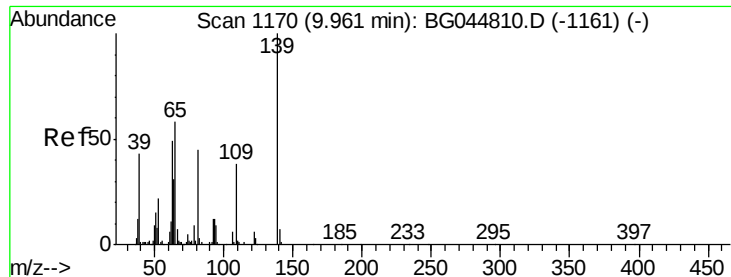
Tgt Ion:	136	Resp:	333102
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.8	14.6
54	9.5	7.9	11.9
68	5.9	5.4	8.0



#23
Nitrobenzene-d5
Concen: 88.31 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044907.D
Acq: 19 Mar 2020 21:35

Tgt Ion:	82	Resp:	670351
Ion	Ratio	Lower	Upper
82	100		
128	39.8	30.6	46.0
54	48.2	37.1	55.7





#26

2-Nitrophenol

Concen: 5.54 ng

RT: 10.39 min Scan# 1242

Delta R.T. 0.42 min

Lab File: BG044907.D

Acq: 19 Mar 2020 21:35

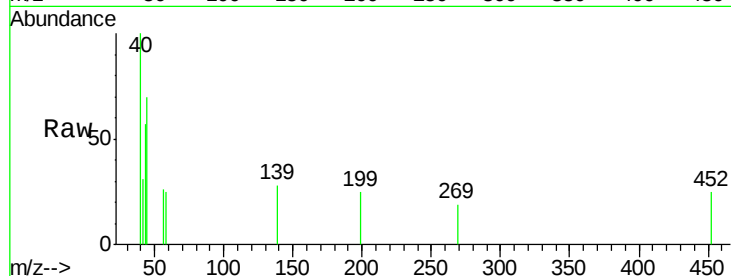
Instrument :

BNA_G

ClientSampleId :

80564952

Tgt Ion:	139	Resp:	83
Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

10.39

250

200

150

100

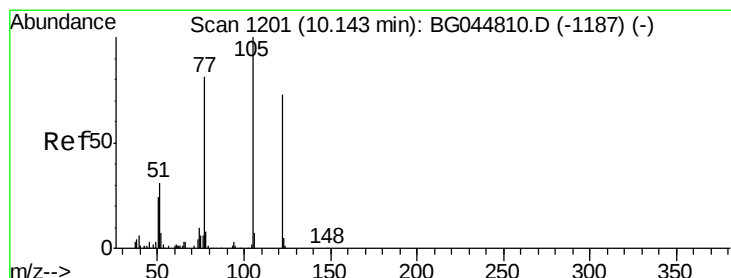
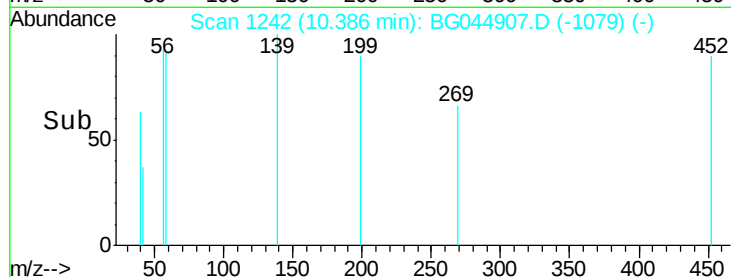
50

0

10.38

10.40

Time-->



#32

Benzoic acid

Concen: 9.69 ng

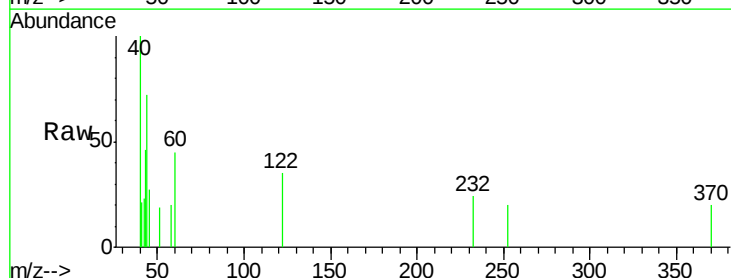
RT: 10.06 min Scan# 1187

Delta R.T. -0.08 min

Lab File: BG044907.D

Acq: 19 Mar 2020 21:35

Tgt Ion:	122	Resp:	101
Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#



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

10.06

300

200

100

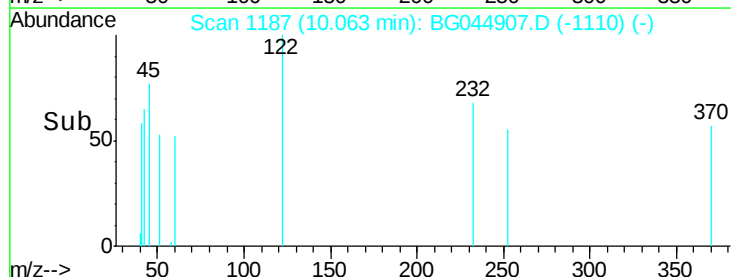
0

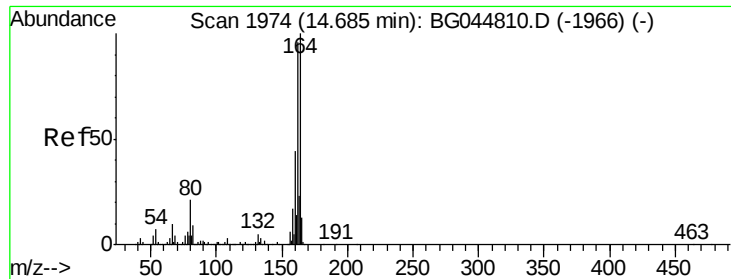
10.04

10.06

10.08

Time-->





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044907.D

Acq: 19 Mar 2020 21:35

Instrument :

BNA_G

ClientSampleId :

80564952

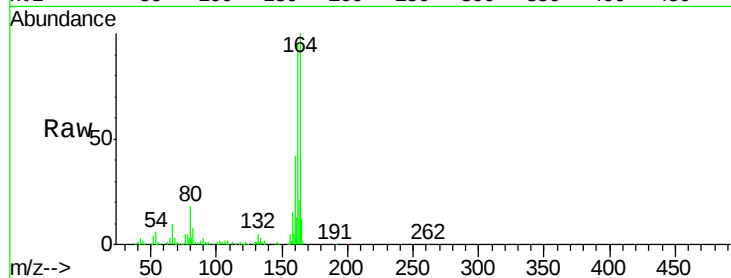
Tgt Ion:164 Resp: 222381

Ion Ratio Lower Upper

164 100

162 94.9 76.7 115.1

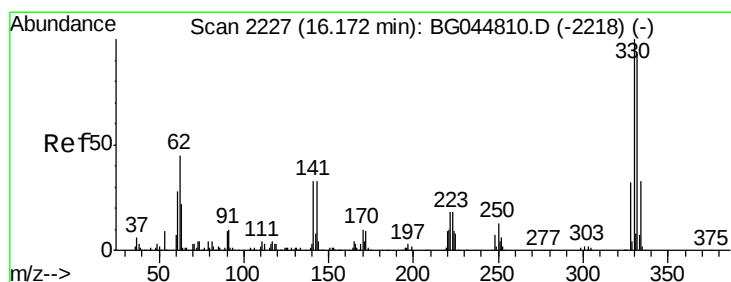
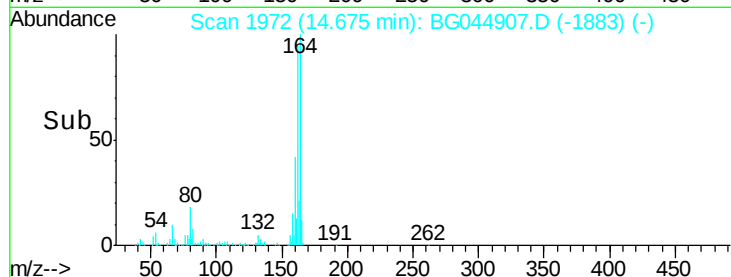
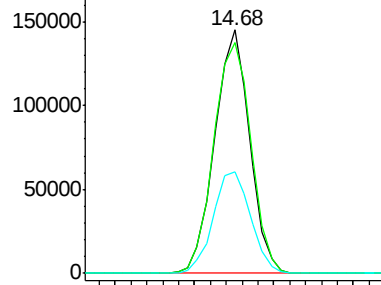
160 41.7 35.0 52.4



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: 150.61 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044907.D

Acq: 19 Mar 2020 21:35

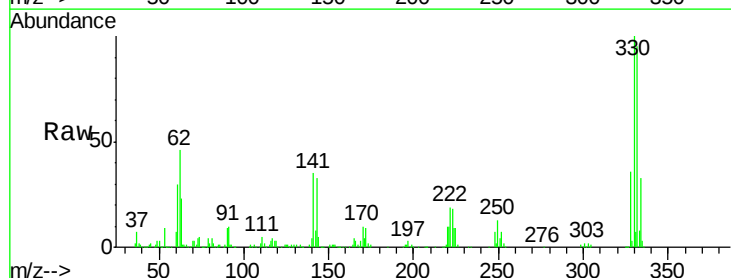
Tgt Ion:330 Resp: 438549

Ion Ratio Lower Upper

330 100

332 96.2 77.8 116.6

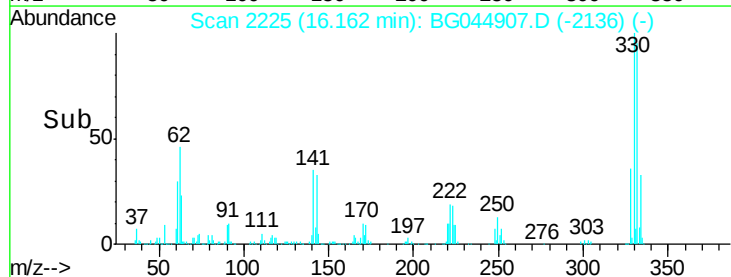
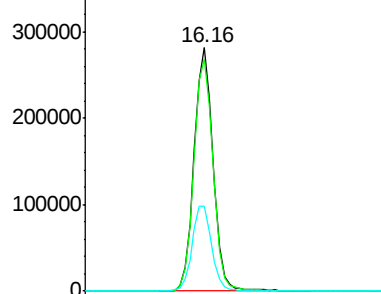
141 36.5 29.5 44.3

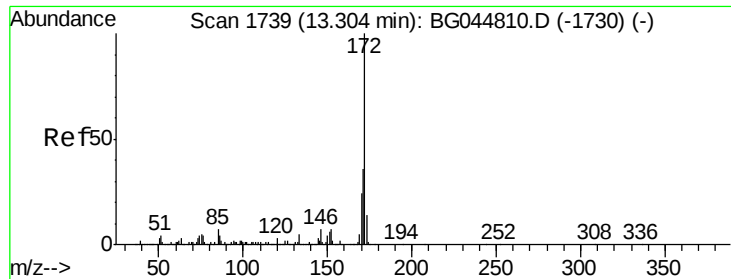


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

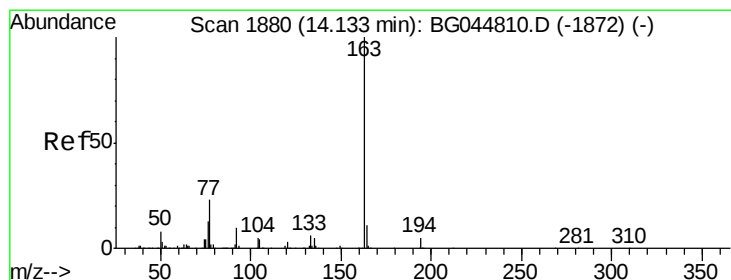
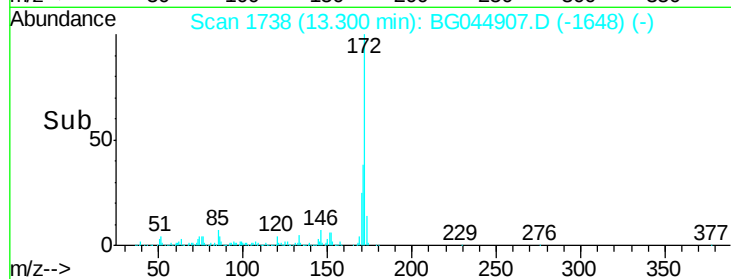
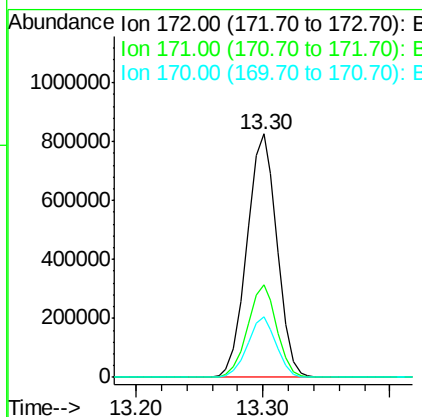
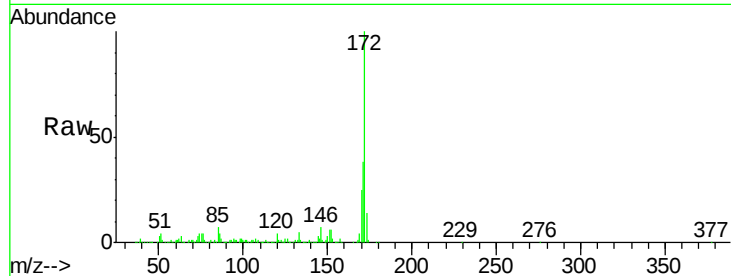




#45
2-Fluorobiphenyl
Concen: 87.48 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044907.D
Acq: 19 Mar 2020 21:35

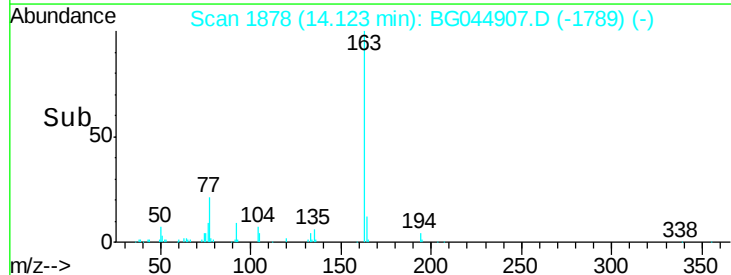
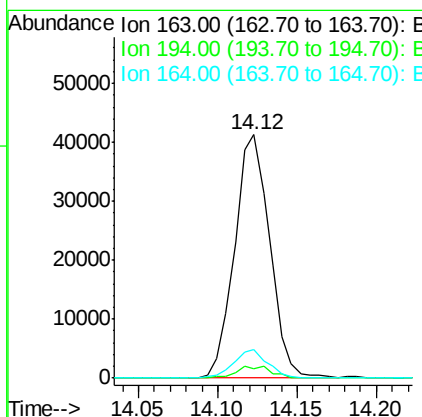
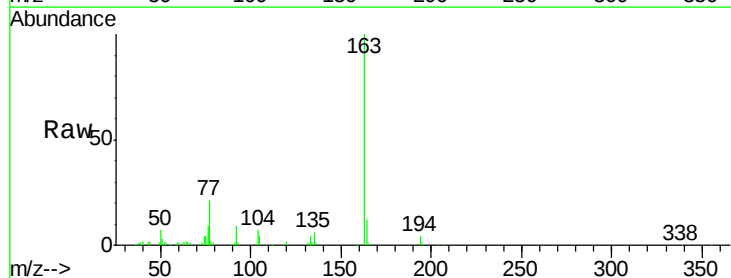
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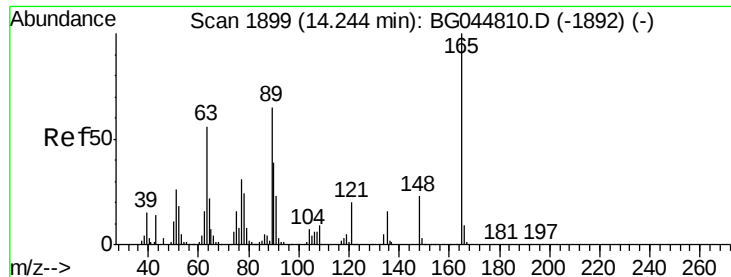
Tgt Ion:172 Resp: 1358529
Ion Ratio Lower Upper
172 100
171 38.1 28.7 43.1
170 25.1 19.0 28.6



#50
Dimethylphthalate
Concen: 3.59 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044907.D
Acq: 19 Mar 2020 21:35

Tgt Ion:163 Resp: 63578
Ion Ratio Lower Upper
163 100
194 3.8 3.7 5.5
164 11.5 9.1 13.7

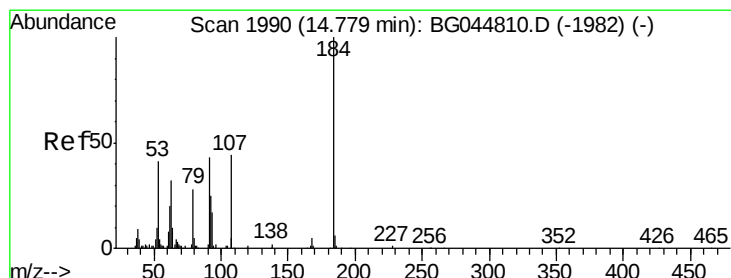
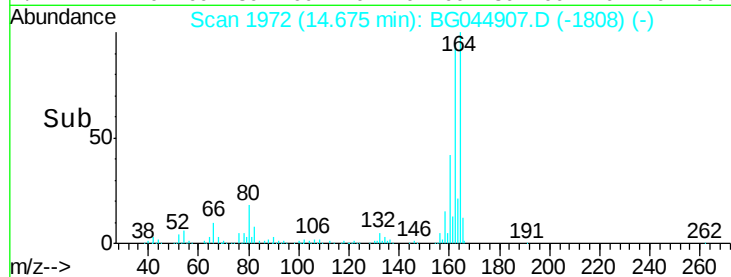
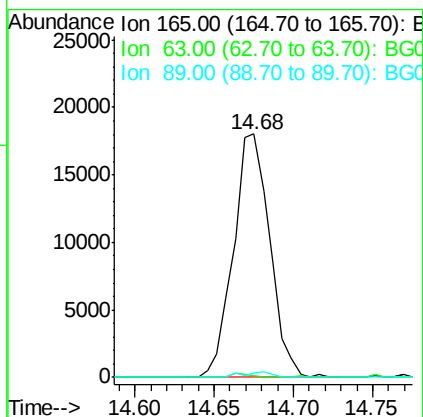
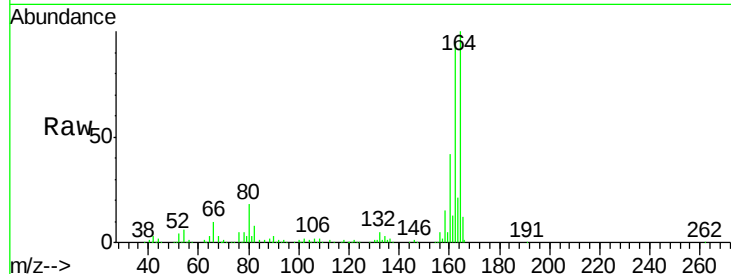




#51
 2,6-Dinitrotoluene
 Concen: 8.00 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. 0.43 min
 Lab File: BG044907.D
 Acq: 19 Mar 2020 21:35

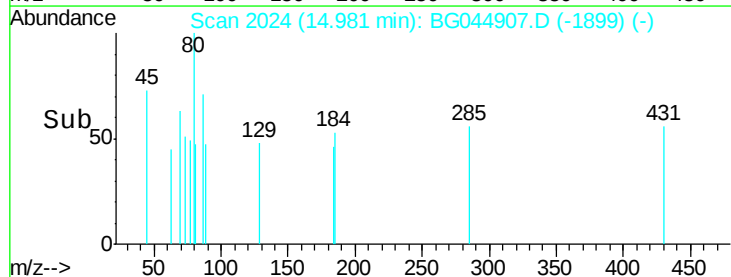
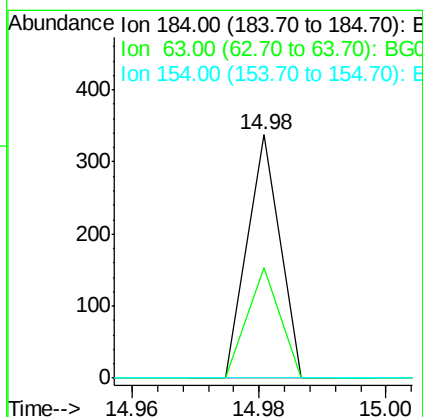
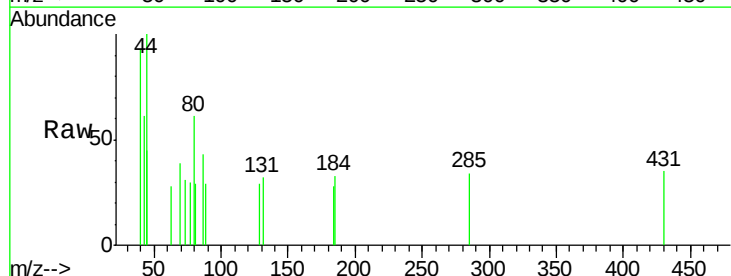
Instrument :
 BNA_G
 ClientSampleId :
 80564952

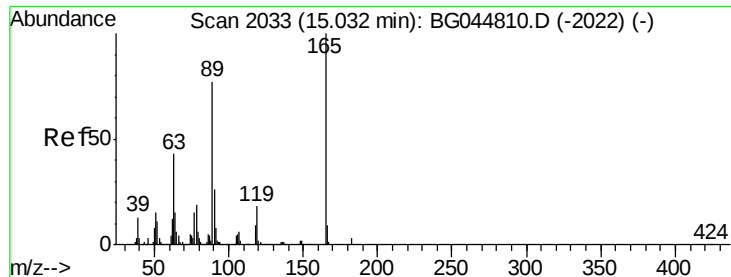
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	45.8	68.8#
89	1.5	51.8	77.6#



#54
 2,4-Dinitrophenol
 Concen: 8.38 ng
 RT: 14.98 min Scan# 2024
 Delta R.T. 0.20 min
 Lab File: BG044907.D
 Acq: 19 Mar 2020 21:35

Tgt Ion	Ratio	Lower	Upper
184	100		
63	45.6	45.5	68.3
154	0.0	49.1	73.7#

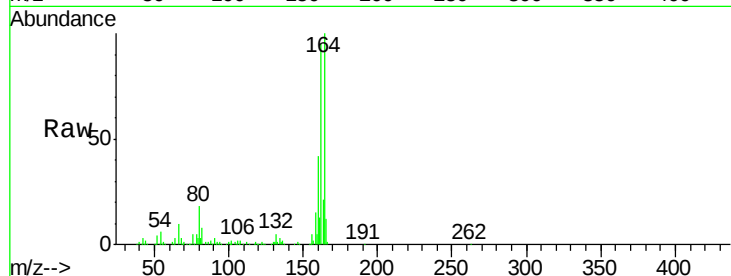




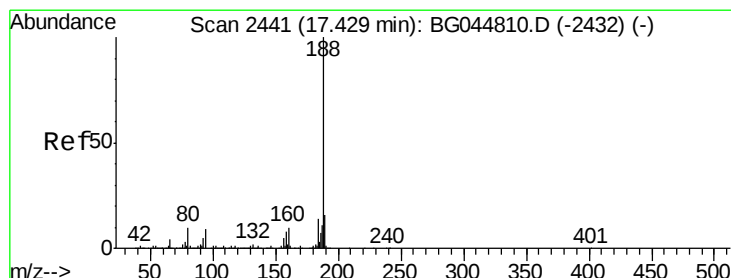
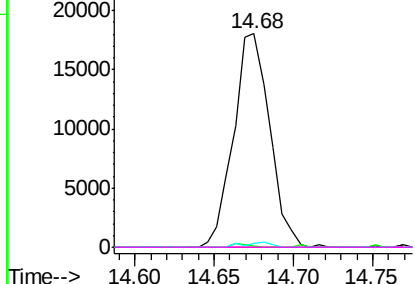
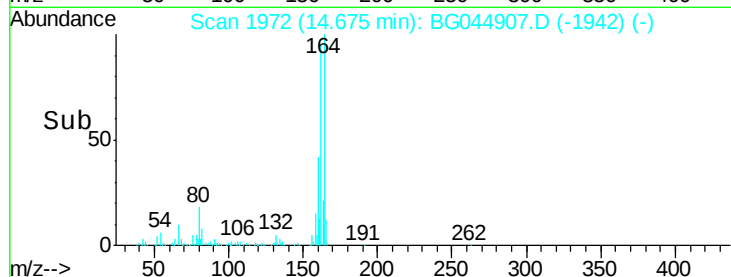
#57
2,4-Dinitrotoluene
Concen: 5.84 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044907.D
Acq: 19 Mar 2020 21:35

Instrument :
BNA_G
ClientSampleId :
80564952

Tgt Ion:165 Resp: 28575
Ion Ratio Lower Upper
165 100
63 0.8 34.6 52.0#
89 1.5 61.3 91.9#
182 0.0 2.2 3.2#

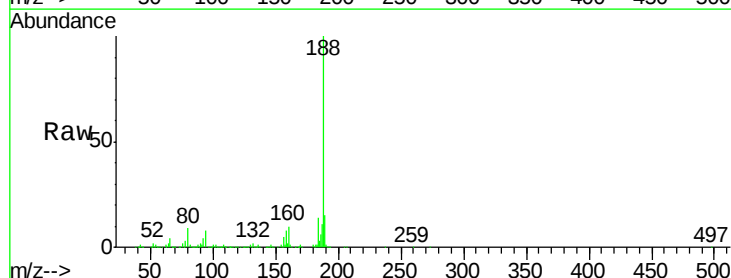


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

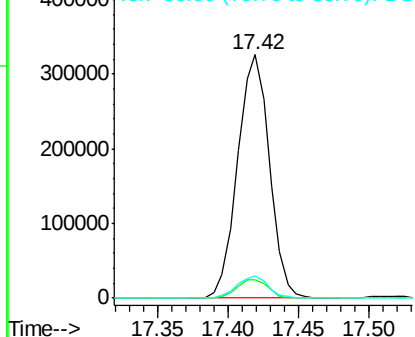
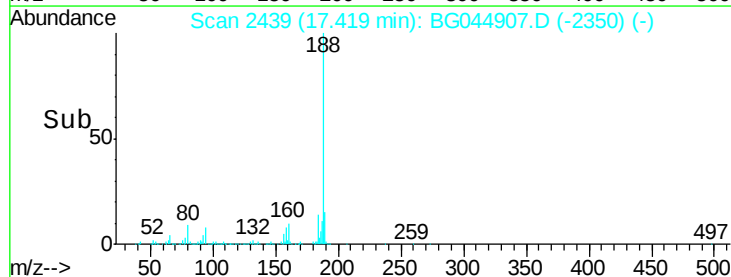


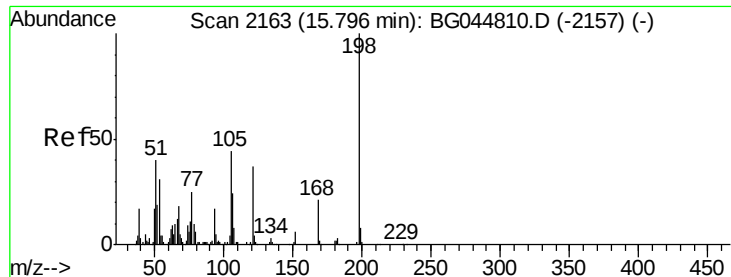
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.01 min
Lab File: BG044907.D
Acq: 19 Mar 2020 21:35

Tgt Ion:188 Resp: 512770
Ion Ratio Lower Upper
188 100
94 7.6 7.3 10.9
80 8.9 8.0 12.0



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





#65

4,6-Dinitro-2-methylphenol

Concen: 8.35 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.36 min

Lab File: BG044907.D

Acq: 19 Mar 2020 21:35

Instrument :

BNA_G

ClientSampleId :

80564952

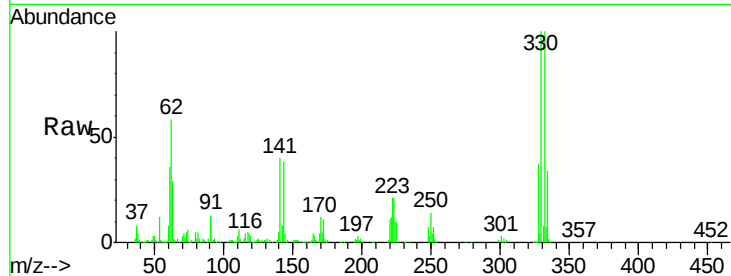
Tgt Ion:198 Resp: 1775

Ion Ratio Lower Upper

198 100

51 116.0 21.1 61.1#

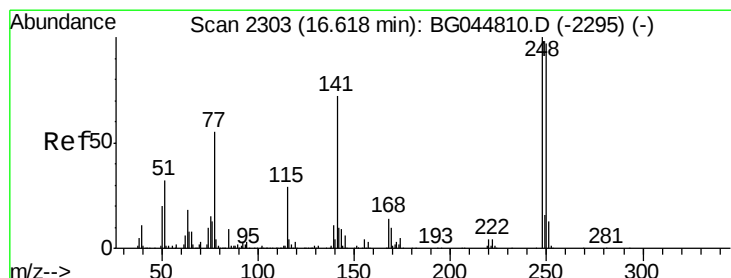
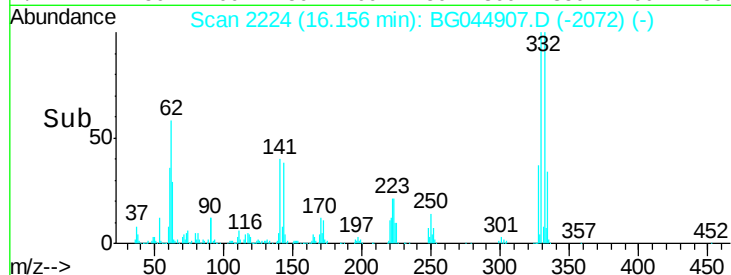
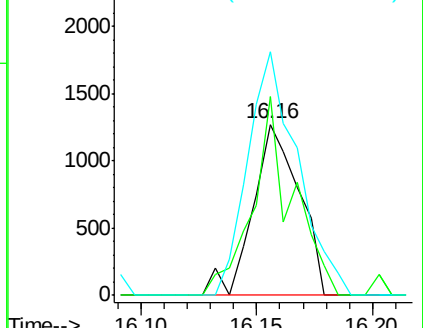
105 142.1 24.5 64.5#



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



#67

4-Bromophenyl-phenylether

Concen: 4.76 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.46 min

Lab File: BG044907.D

Acq: 19 Mar 2020 21:35

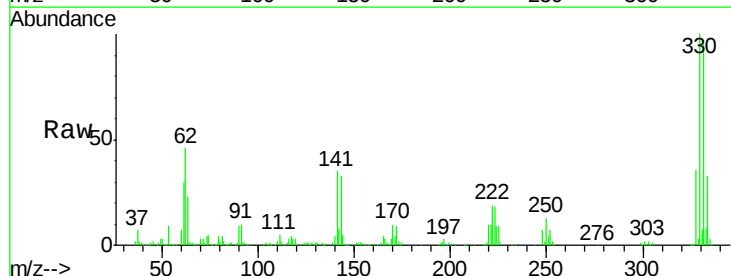
Tgt Ion:248 Resp: 30510

Ion Ratio Lower Upper

248 100

250 179.6 77.9 116.9#

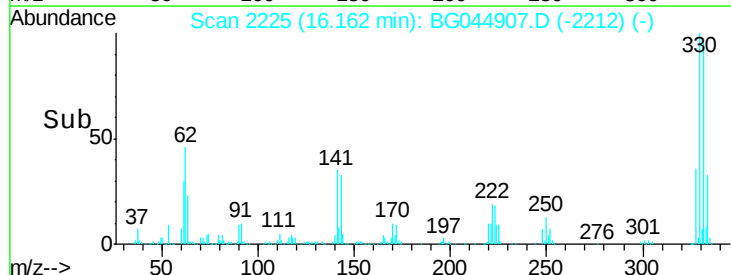
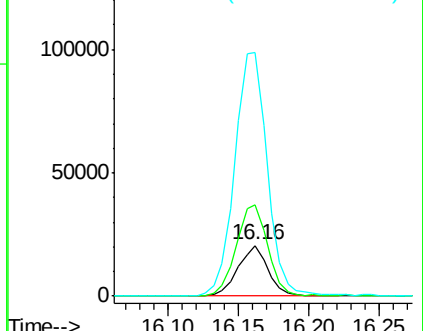
141 479.0 57.5 86.3#

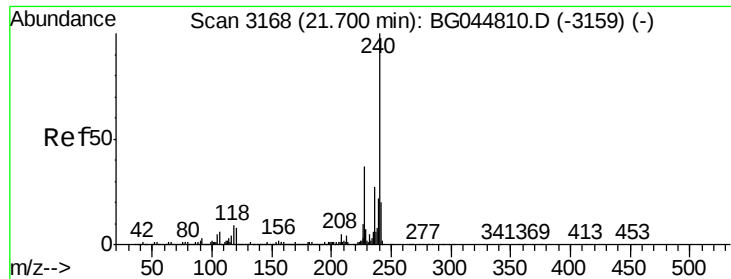


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG044907.D

Acq: 19 Mar 2020 21:35

Instrument :

BNA_G

ClientSampleId :

80564952

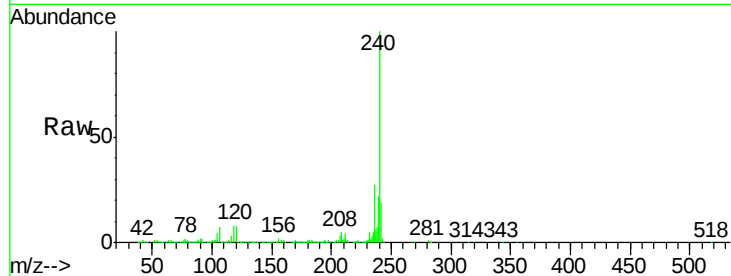
Tgt Ion:240 Resp: 518495

Ion Ratio Lower Upper

240 100

120 8.0 6.7 10.1

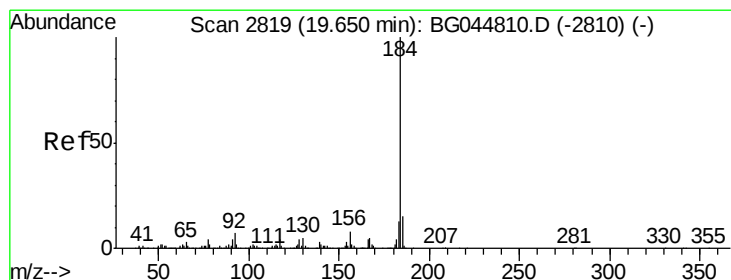
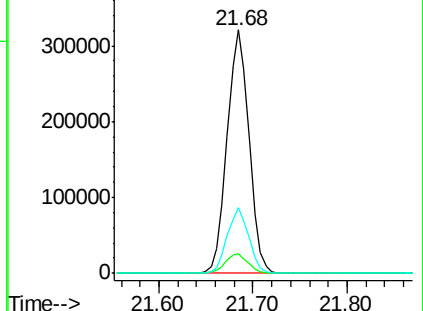
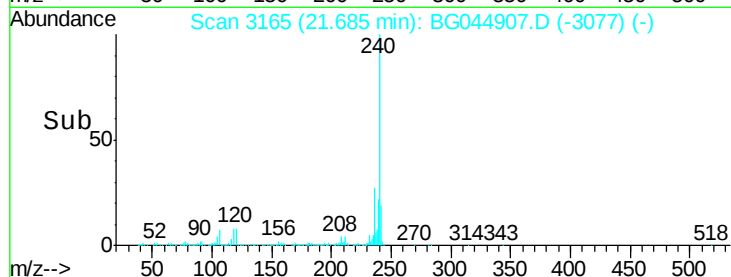
236 26.8 21.5 32.3



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: 2.87 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG044907.D

Acq: 19 Mar 2020 21:35

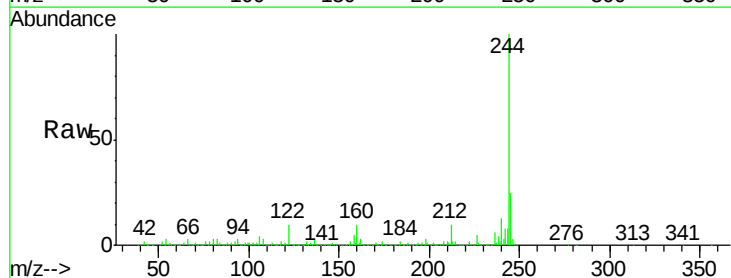
Tgt Ion:184 Resp: 48258

Ion Ratio Lower Upper

184 100

185 16.2 12.2 18.4

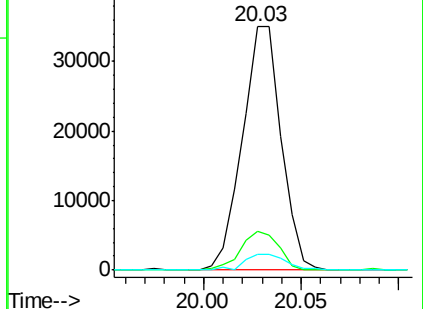
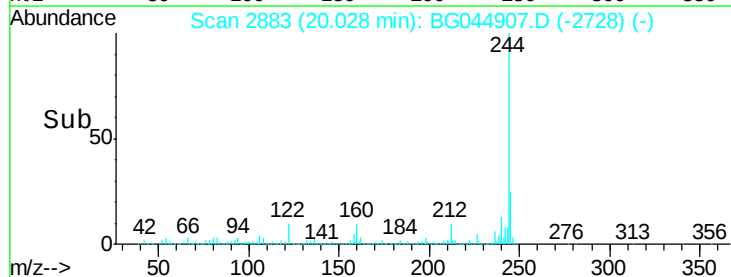
183 6.3 10.7 16.1#

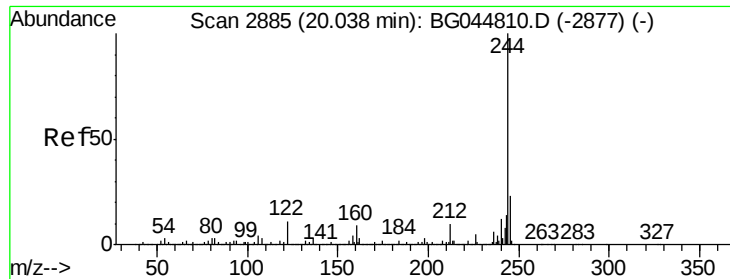


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 84.47 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG044907.D

Acq: 19 Mar 2020 21:35

Instrument :

BNA_G

ClientSampleId :

80564952

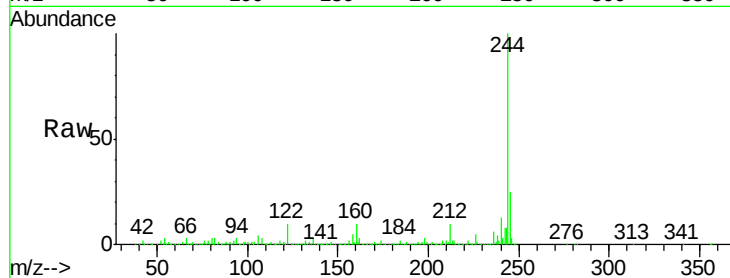
Tgt Ion:244 Resp: 2341284

Ion Ratio Lower Upper

244 100

212 9.6 7.7 11.5

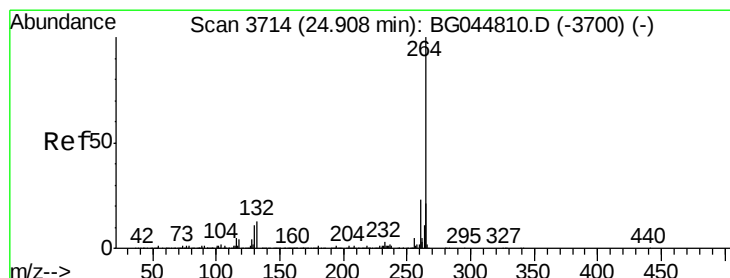
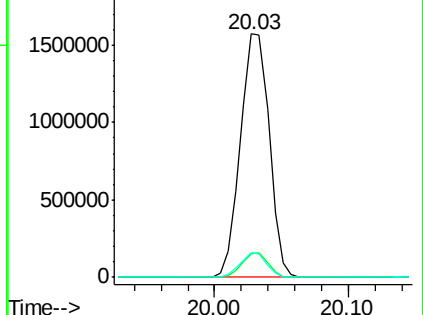
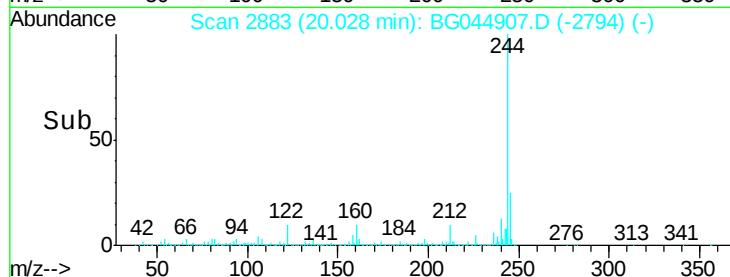
122 10.0 8.6 12.8



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



#87

Perylene-d12

Concen: 20.00 ng

RT: 24.89 min Scan# 3710

Delta R.T. -0.02 min

Lab File: BG044907.D

Acq: 19 Mar 2020 21:35

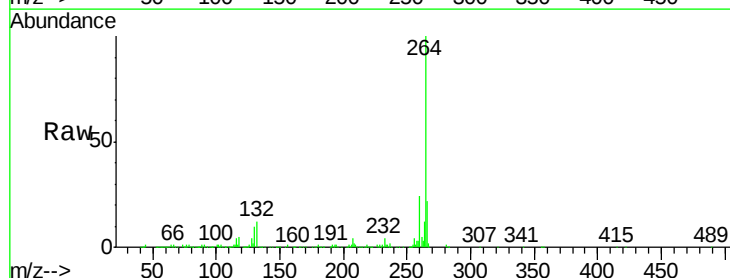
Tgt Ion:264 Resp: 578941

Ion Ratio Lower Upper

264 100

260 23.9 18.1 27.1

265 21.5 17.1 25.7



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

