

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
 Data File : BG044808.D
 Acq On : 14 Mar 2020 23:39
 Operator : CG/JU
 Sample : L1873-04
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Mar 16 01:39:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

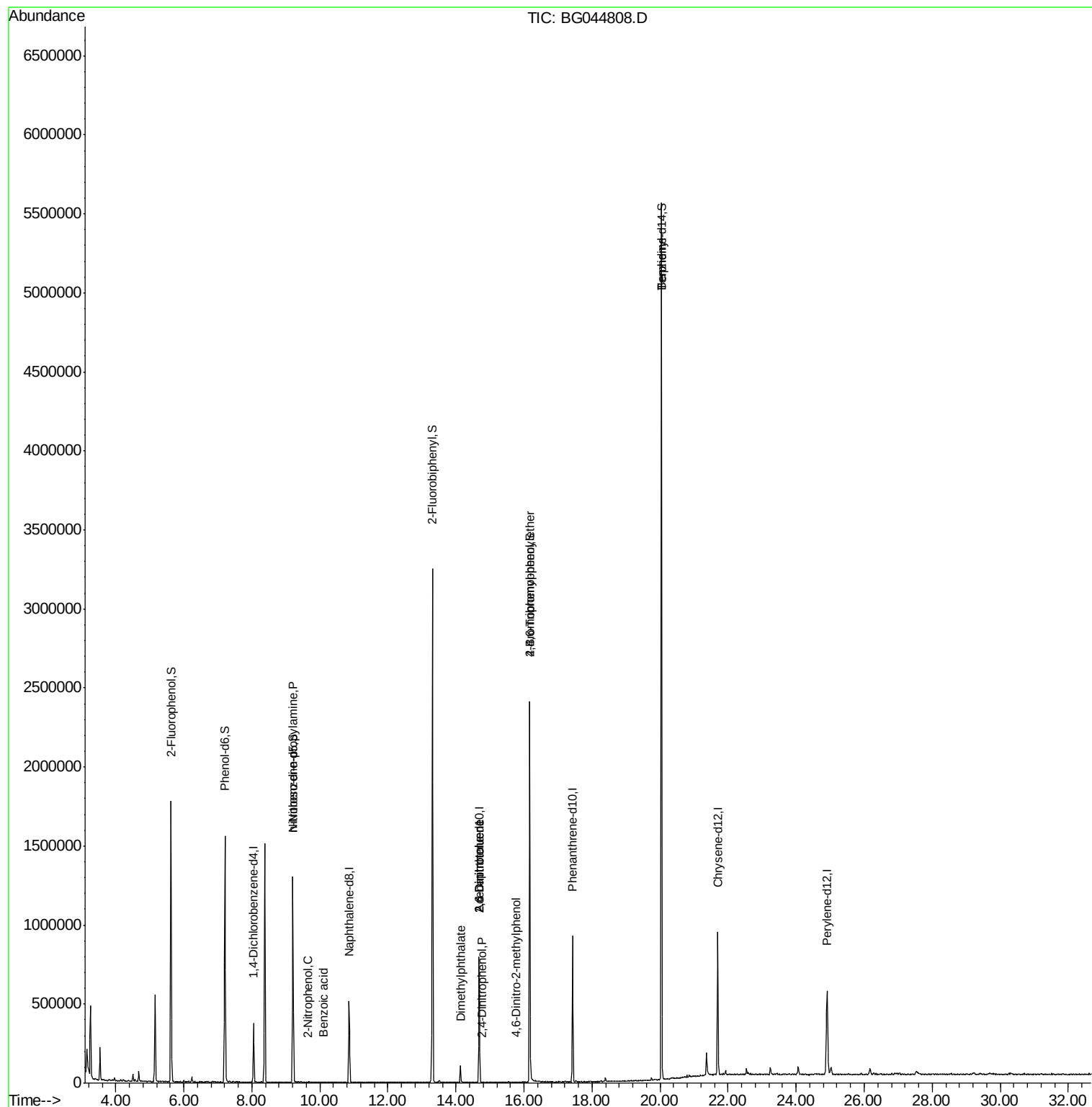
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	107447	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	425324	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	284813	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	588361	20.00	ng	0.00
76) Chrysene-d12	21.69	240	524286	20.00	ng	-0.02
87) Perylene-d12	24.91	264	593990	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	750044	108.67	ng	0.00
7) Phenol-d6	7.21	99	964843	96.21	ng	0.00
23) Nitrobenzene-d5	9.21	82	832486	85.89	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	470924	126.28	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1684667	84.70	ng	0.00
79) Terphenyl-d14	20.04	244	2440009	87.05	ng	0.00
Target Compounds						
9) Benzaldehyde	7.20	77	1966	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.21	70	116436	16.44 ng	#	75
26) 2-Nitrophenol	9.64	139	70	5.53 ng	#	28
32) Benzoic acid	10.10	122	68	9.68 ng	#	1
50) Dimethylphthalate	14.13	163	69298	3.05 ng	#	95
51) 2,6-Dinitrotoluene	14.68	165	36840	8.06 ng	#	19
54) 2,4-Dinitrophenol	14.77	184	101	8.36 ng	#	2
57) 2,4-Dinitrotoluene	14.68	165	36840	5.87 ng	#	17
65) 4,6-Dinitro-2-methylphenol	15.78	198	56	7.75 ng	#	35
67) 4-Bromophenyl-phenylether	16.17	248	31479	4.28 ng	#	1
77) Benzidine	20.04	184	49361	2.90 ng	#	94

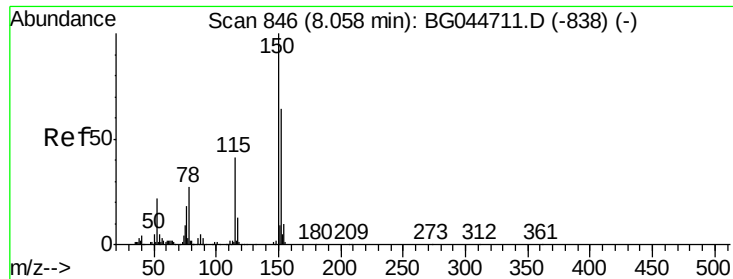
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
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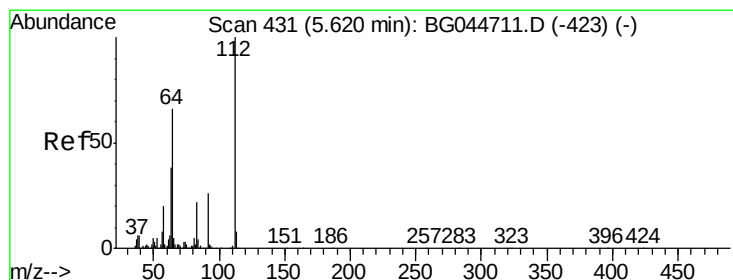
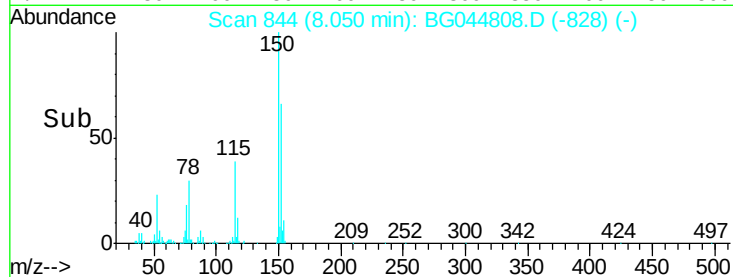
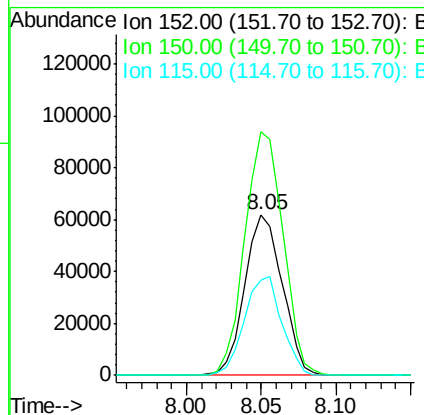
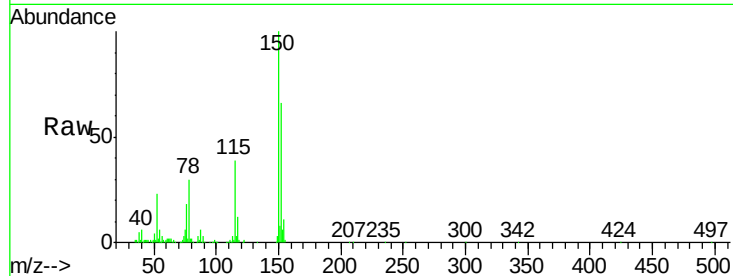


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG044808.D
Acq: 14 Mar 2020 23:39

Instrument :
BNA_G
ClientSampled :
TP-2

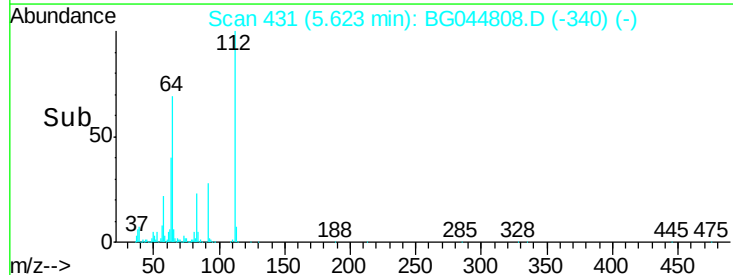
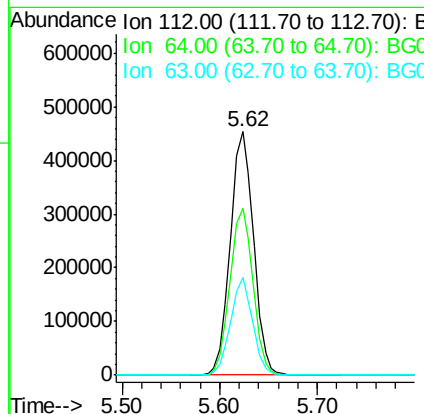
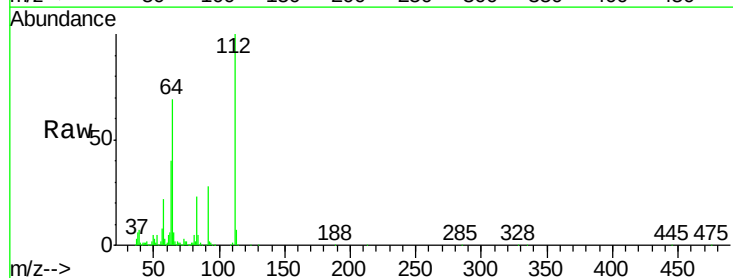
Tgt Ion:152 Resp: 107447
Ion Ratio Lower Upper
152 100
150 151.6 125.3 187.9
115 58.9 51.7 77.5

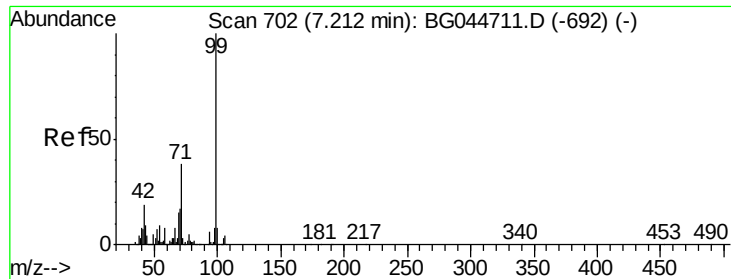


#5

2-Fluorophenol
Concen: 108.67 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044808.D
Acq: 14 Mar 2020 23:39

Tgt Ion:112 Resp: 750044
Ion Ratio Lower Upper
112 100
64 68.7 52.6 78.8
63 40.0 30.2 45.4





#7

Phenol-d6

Concen: 96.21 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG044808.D

Acq: 14 Mar 2020 23:39

Instrument :

BNA_G

ClientSampleId :

TP-2

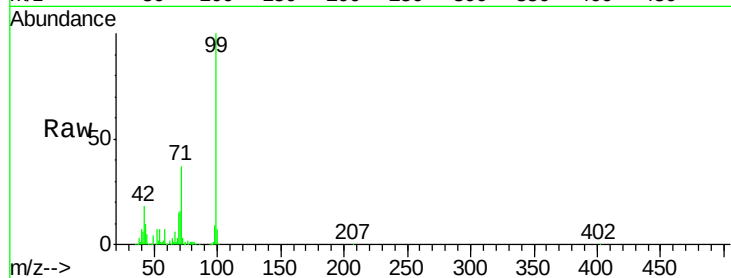
Tgt Ion: 99 Resp: 964843

Ion Ratio Lower Upper

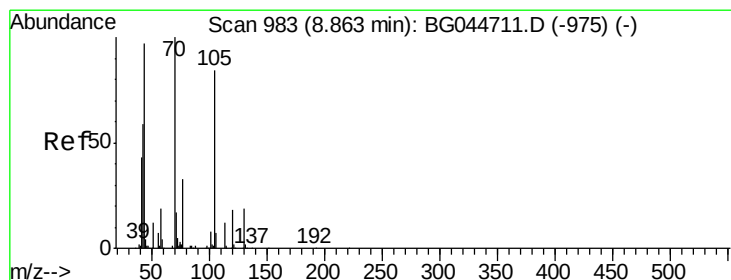
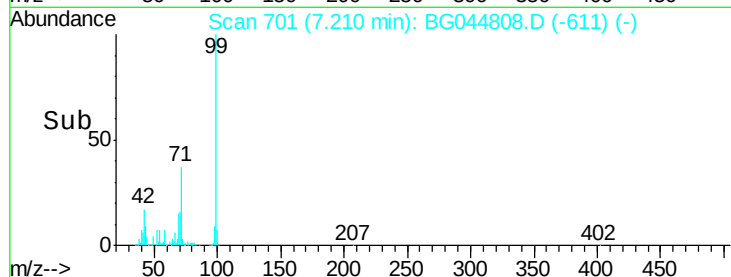
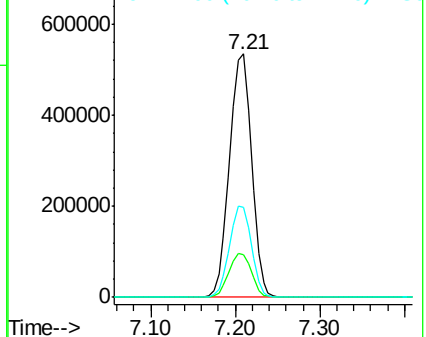
99 100

42 17.5 15.4 23.0

71 36.9 30.2 45.4



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 16.44 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG044808.D

Acq: 14 Mar 2020 23:39

Tgt Ion: 70 Resp: 116436

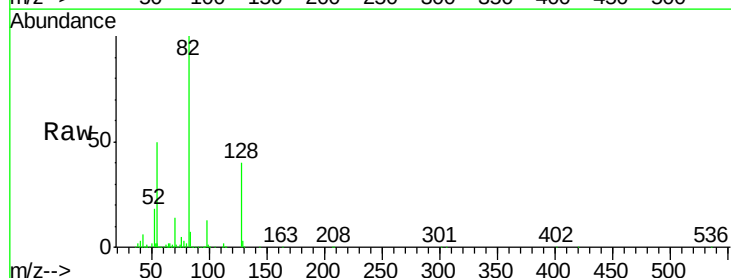
Ion Ratio Lower Upper

70 100

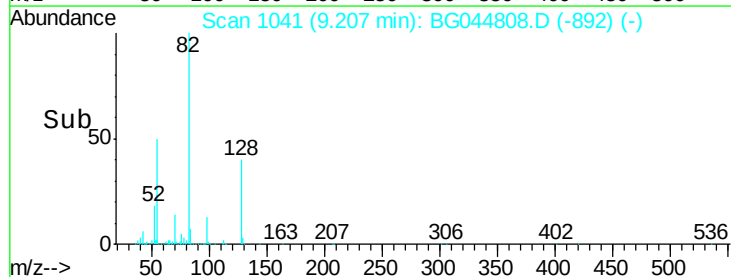
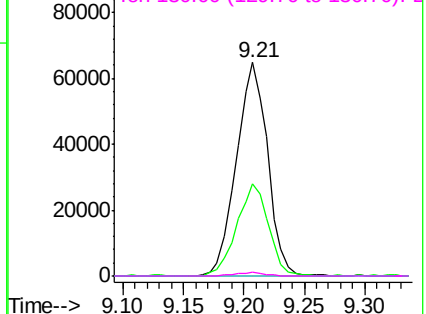
42 43.4 47.6 71.4#

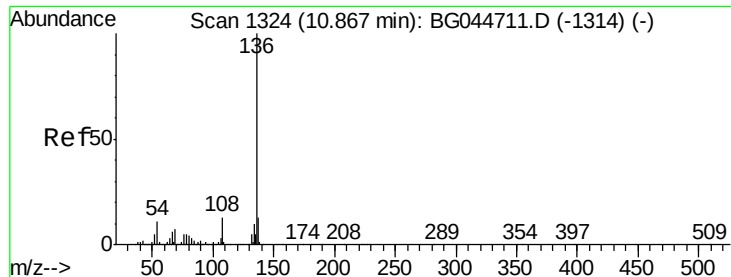
101 0.0 6.5 9.7#

130 1.9 15.0 22.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

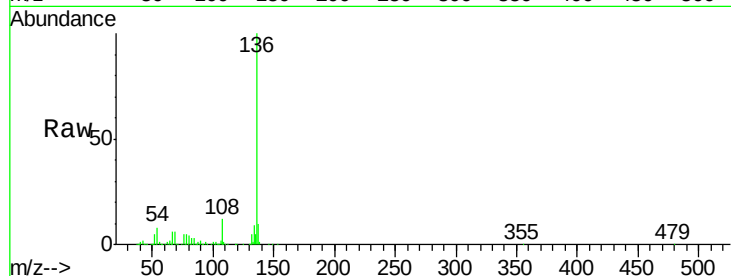




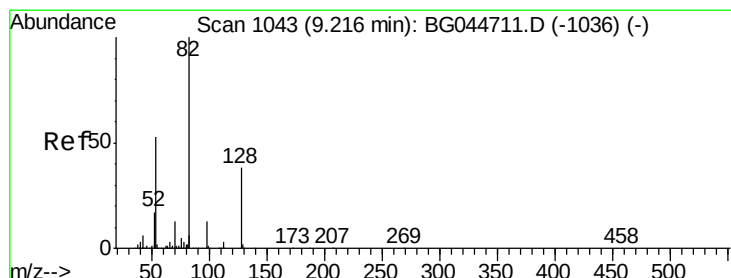
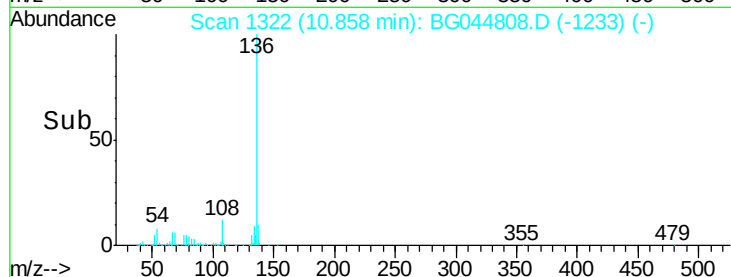
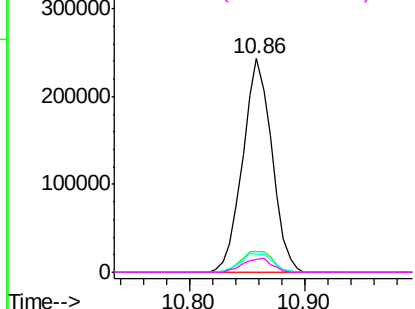
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG044808.D
Acq: 14 Mar 2020 23:39

Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion:	136	Resp:	425324
Ion	Ratio	Lower	Upper
136	100		
137	9.8	10.7	16.1#
54	8.2	9.0	13.4#
68	6.3	5.9	8.9

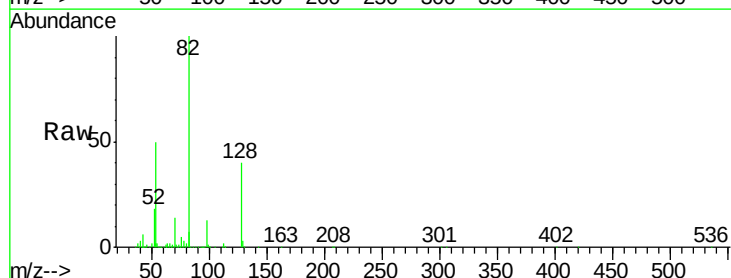


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

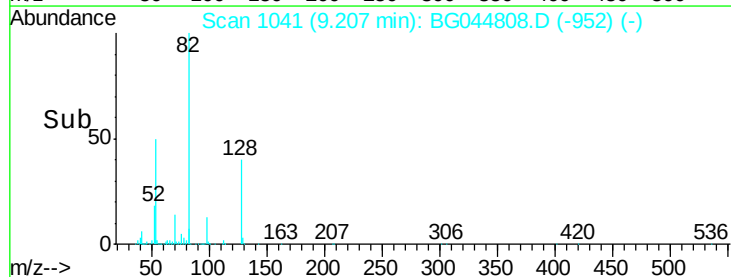
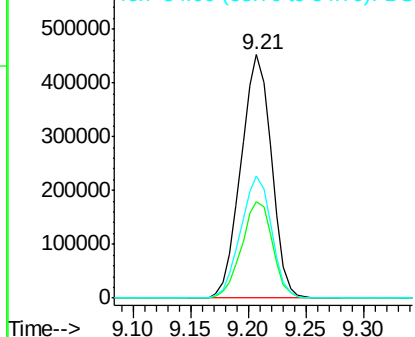


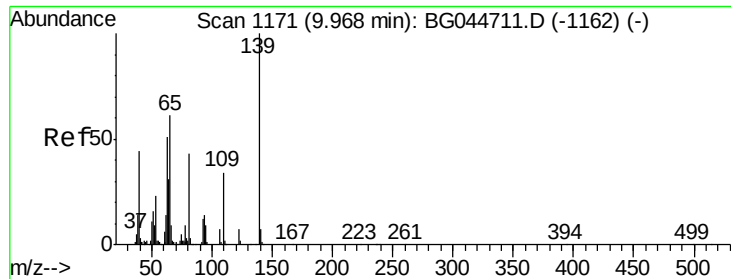
#23
Nitrobenzene-d5
Concen: 85.89 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG044808.D
Acq: 14 Mar 2020 23:39

Tgt Ion:	82	Resp:	832486
Ion	Ratio	Lower	Upper
82	100		
128	39.5	30.2	45.2
54	50.1	41.8	62.8



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





#26

2-Nitrophenol

Concen: 5.53 ng

RT: 9.64 min Scan# 1114

Delta R.T. -0.33 min

Lab File: BG044808.D

Acq: 14 Mar 2020 23:39

Instrument :

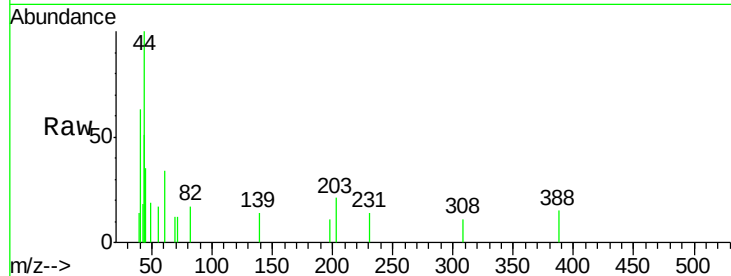
BNA_G

ClientSampled :

TP-2

Tgt Ion:139 Resp: 70

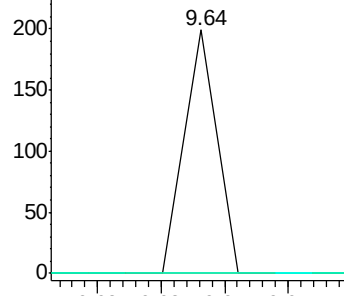
Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#



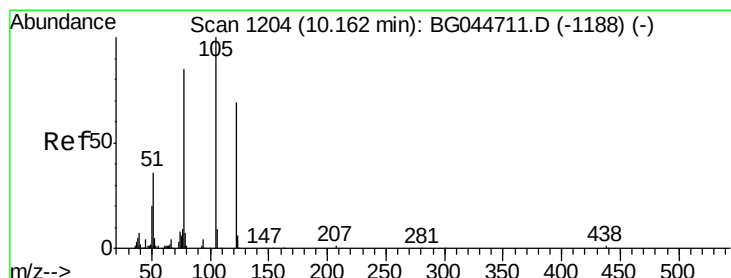
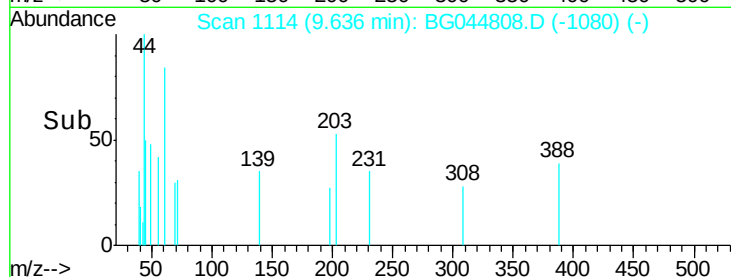
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



Time-->



#32

Benzoic acid

Concen: 9.68 ng

RT: 10.10 min Scan# 1193

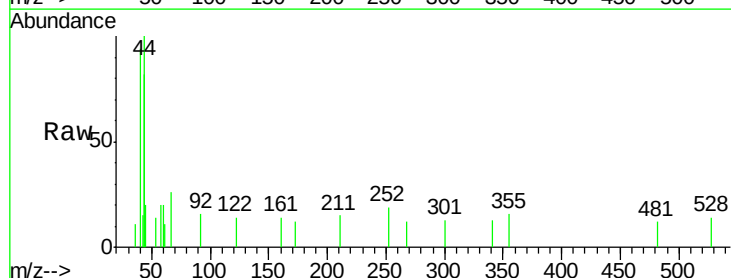
Delta R.T. -0.06 min

Lab File: BG044808.D

Acq: 14 Mar 2020 23:39

Tgt Ion:122 Resp: 68

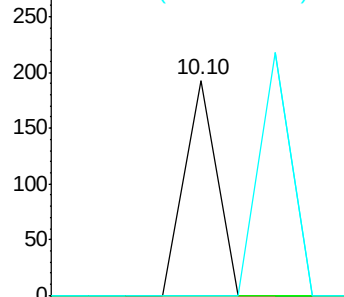
Ion	Ratio	Lower	Upper
122	100		
105	0.0	119.0	159.0#
77	0.0	96.4	136.4#



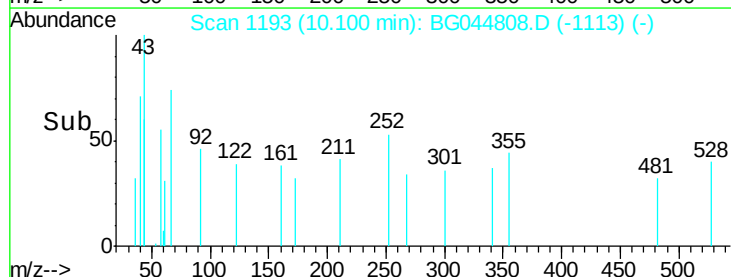
Abundance Ion 122.00 (121.70 to 122.70): E

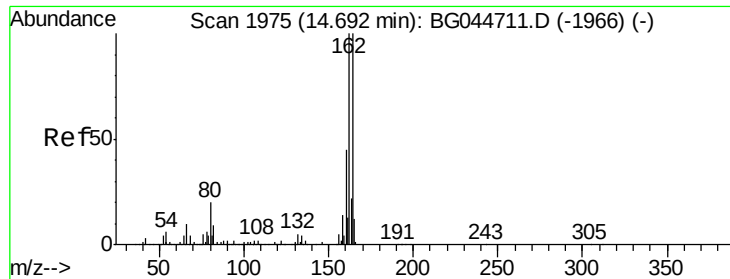
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



Time-->





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG044808.D

Acq: 14 Mar 2020 23:39

Instrument :

BNA_G

ClientSampleId :

TP-2

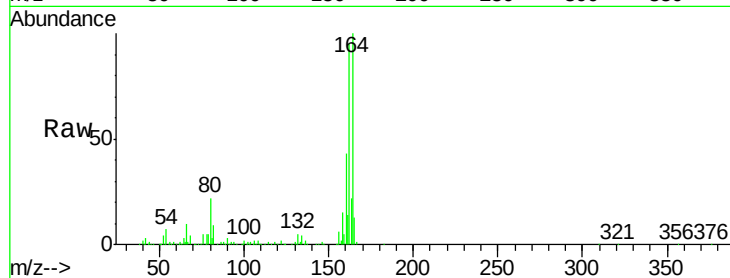
Tgt Ion:164 Resp: 284813

Ion Ratio Lower Upper

164 100

162 95.0 80.2 120.4

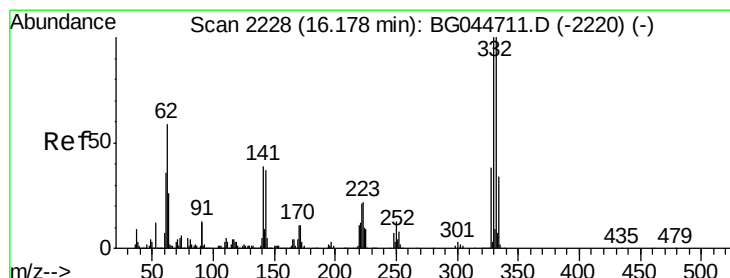
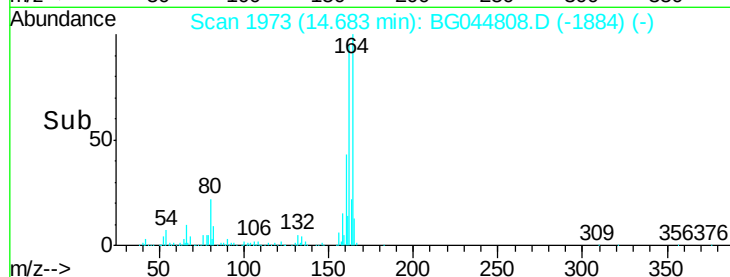
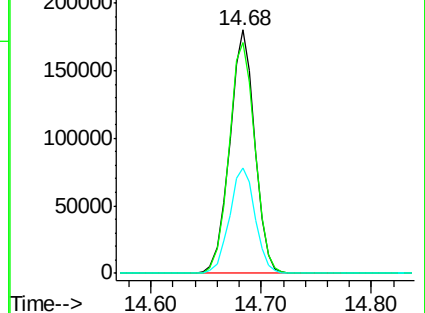
160 43.2 36.2 54.2



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: 126.28 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG044808.D

Acq: 14 Mar 2020 23:39

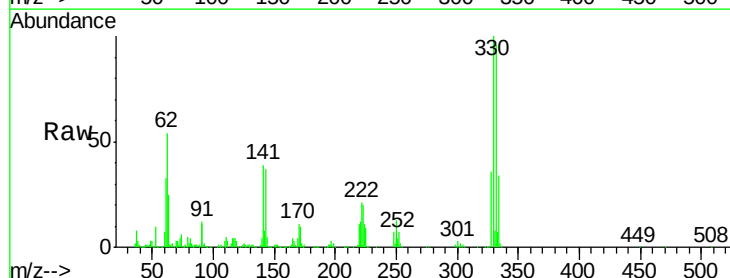
Tgt Ion:330 Resp: 470924

Ion Ratio Lower Upper

330 100

332 95.3 77.5 116.3

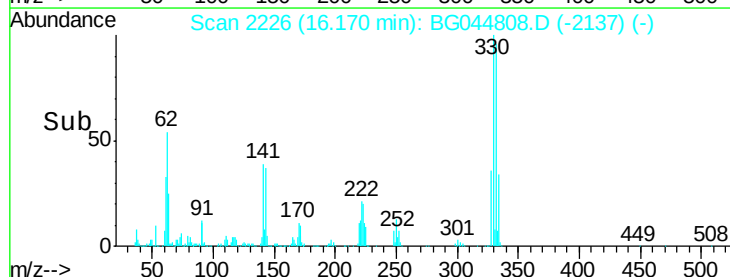
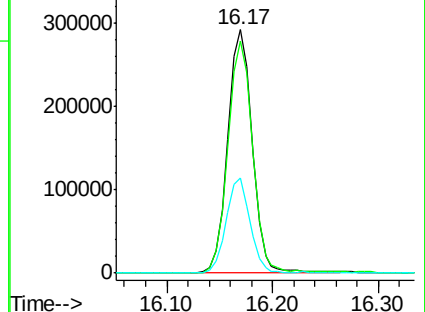
141 37.9 31.7 47.5

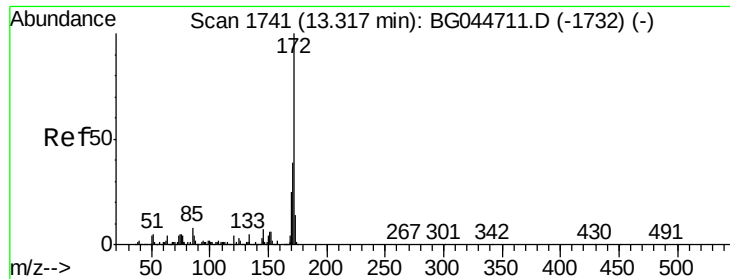


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

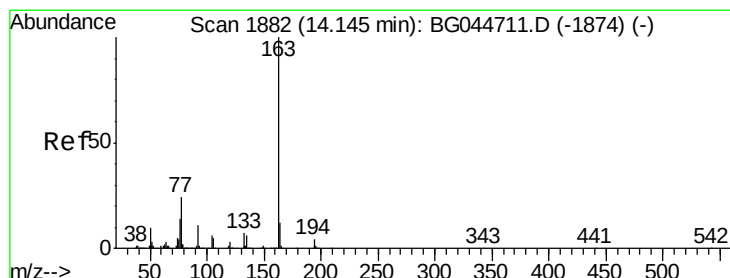
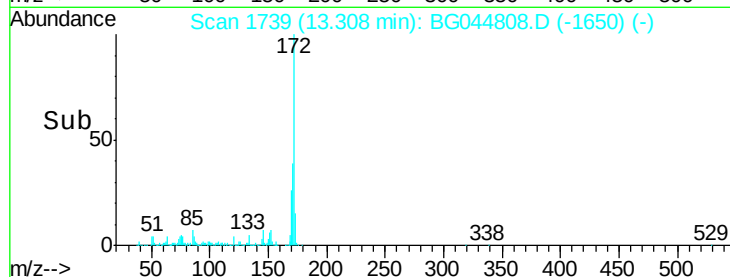
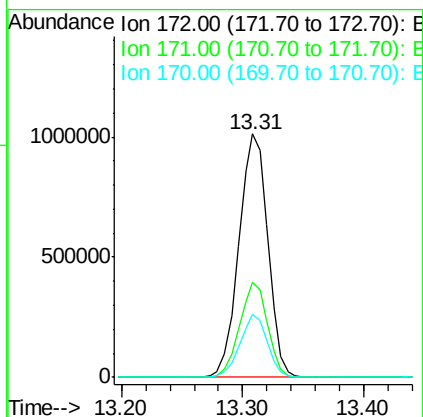
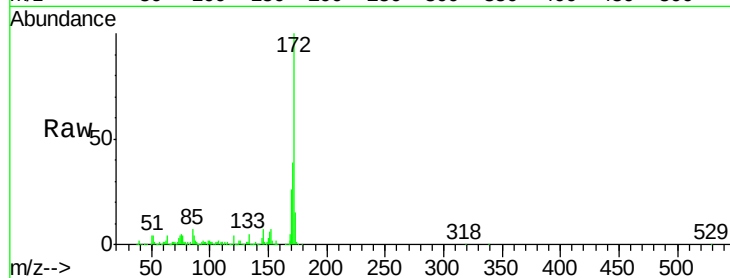




#45
2-Fluorobiphenyl
Concen: 84.70 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.01 min
Lab File: BG044808.D
Acq: 14 Mar 2020 23:39

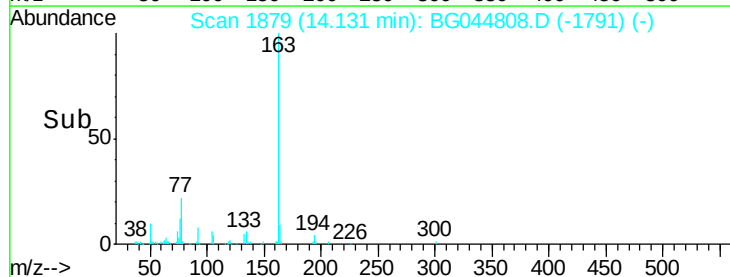
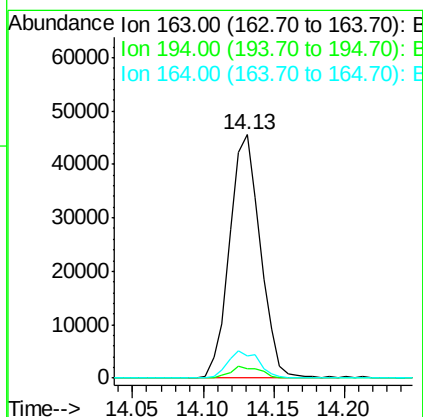
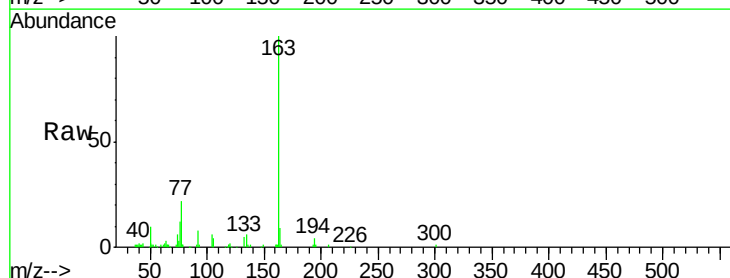
Instrument :
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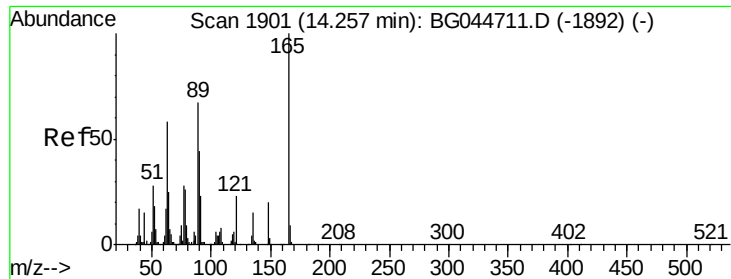
Tgt Ion:172 Resp: 1684667
Ion Ratio Lower Upper
172 100
171 39.3 30.8 46.2
170 25.9 20.0 30.0



#50
Dimethylphthalate
Concen: 3.05 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BG044808.D
Acq: 14 Mar 2020 23:39

Tgt Ion:163 Resp: 69298
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 9.0 9.2 13.8#

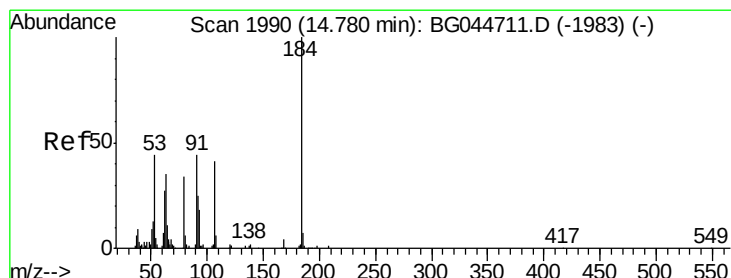
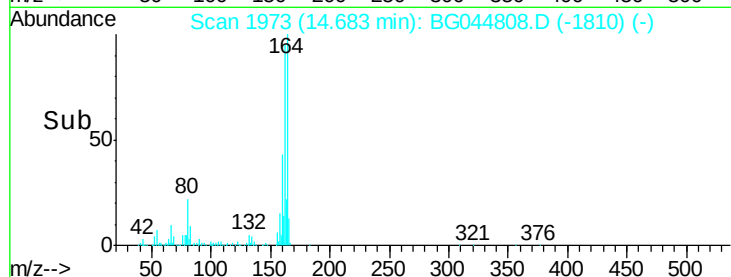
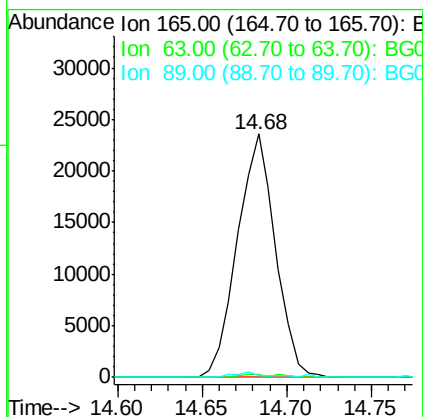
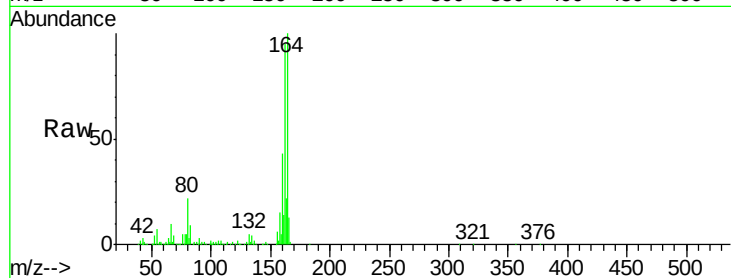




#51
 2,6-Dinitrotoluene
 Concen: 8.06 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.43 min
 Lab File: BG044808.D
 Acq: 14 Mar 2020 23:39

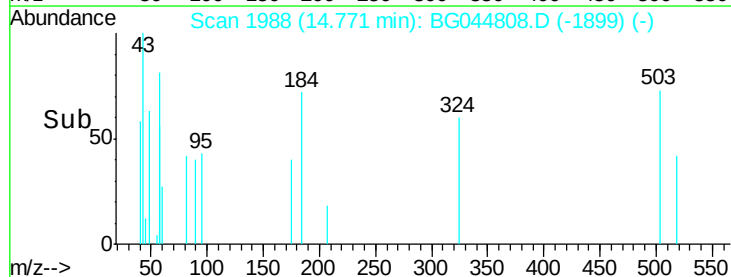
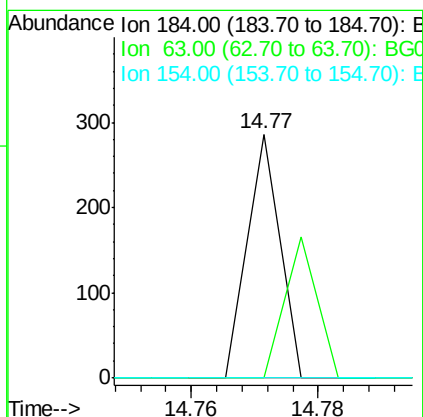
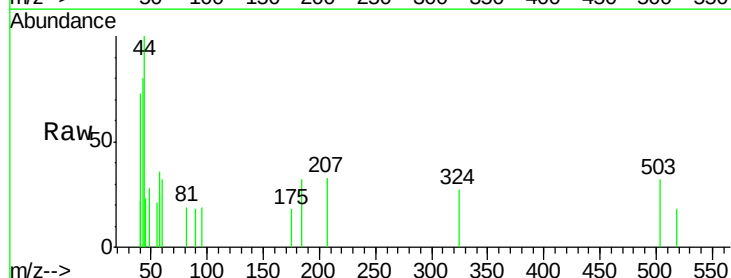
Instrument :
 BNA_G
 ClientSampleId :
 TP-2

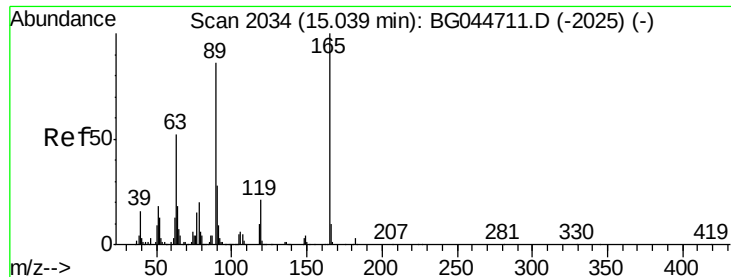
Tgt Ion:165 Resp: 36840
 Ion Ratio Lower Upper
 165 100
 63 1.0 48.9 73.3#
 89 0.9 53.8 80.8#



#54
 2,4-Dinitrophenol
 Concen: 8.36 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.01 min
 Lab File: BG044808.D
 Acq: 14 Mar 2020 23:39

Tgt Ion:184 Resp: 101
 Ion Ratio Lower Upper
 184 100
 63 0.0 49.0 73.6#
 154 0.0 94.5 141.7#

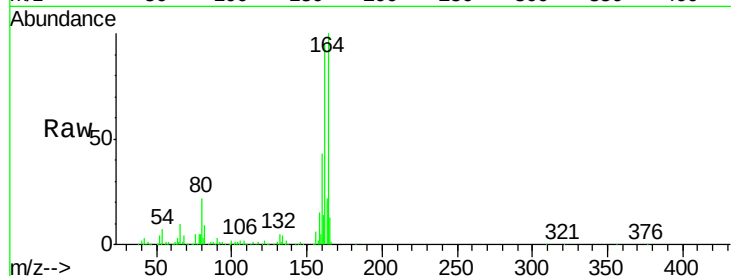




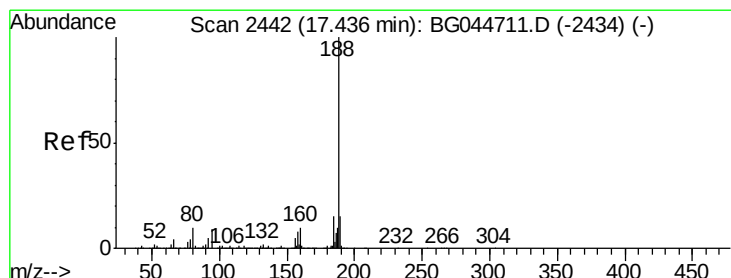
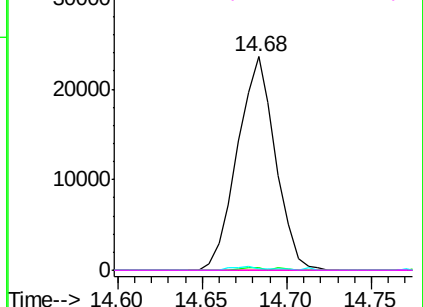
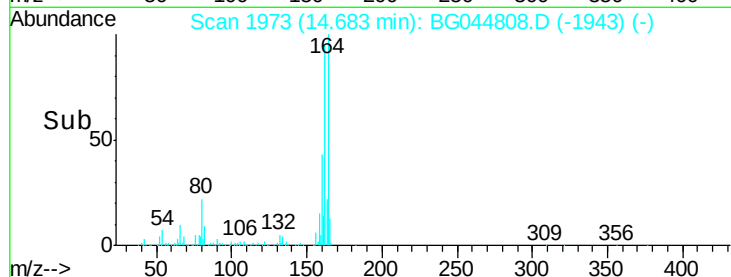
#57
2,4-Dinitrotoluene
Concen: 5.87 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.36 min
Lab File: BG044808.D
Acq: 14 Mar 2020 23:39

Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion:165 Resp: 36840
Ion Ratio Lower Upper
165 100
63 1.0 41.5 62.3#
89 0.9 69.0 103.4#
182 0.9 2.7 4.1#

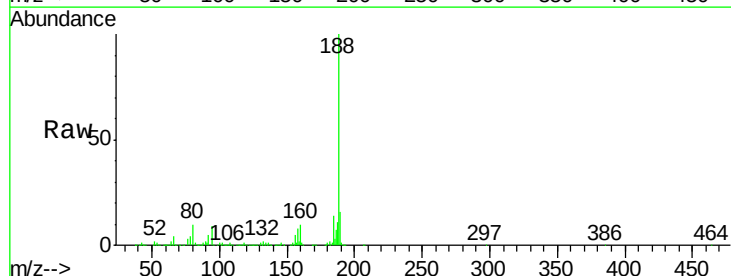


Abundance Ion 165.00 (164.70 to 165.70): E

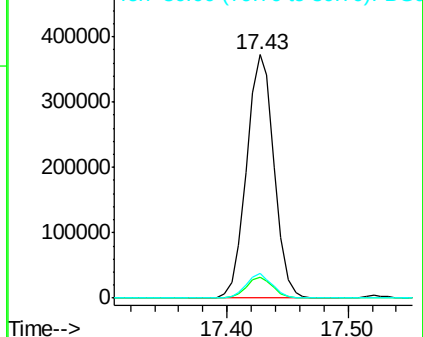
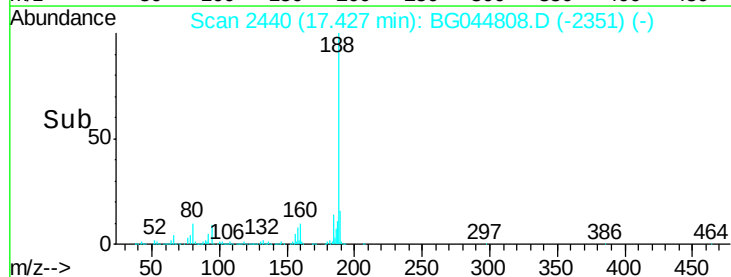


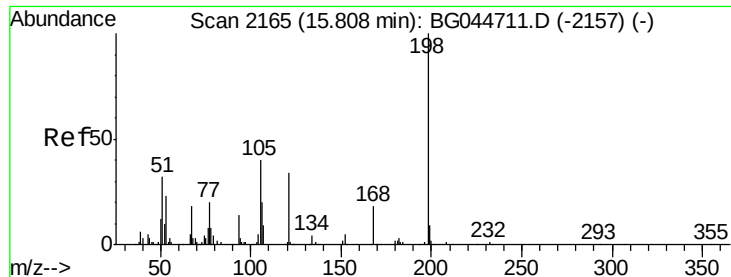
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2440
Delta R.T. -0.01 min
Lab File: BG044808.D
Acq: 14 Mar 2020 23:39

Tgt Ion:188 Resp: 588361
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.6
80 10.0 8.4 12.6



Abundance Ion 188.00 (187.70 to 188.70): E





#65

4,6-Dinitro-2-methylphenol

Concen: 7.75 ng

RT: 15.78 min Scan# 2159

Delta R.T. -0.03 min

Lab File: BG044808.D

Acq: 14 Mar 2020 23:39

Instrument :

BNA_G

ClientSampleId :

TP-2

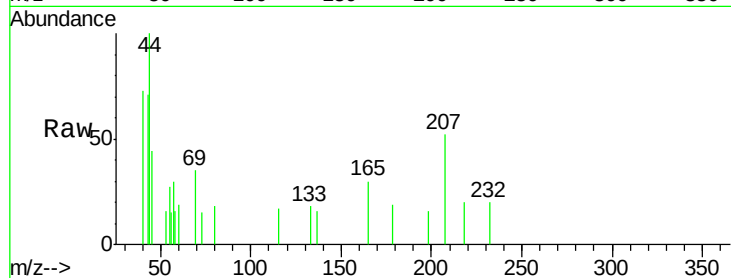
Tgt Ion:198 Resp: 56

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

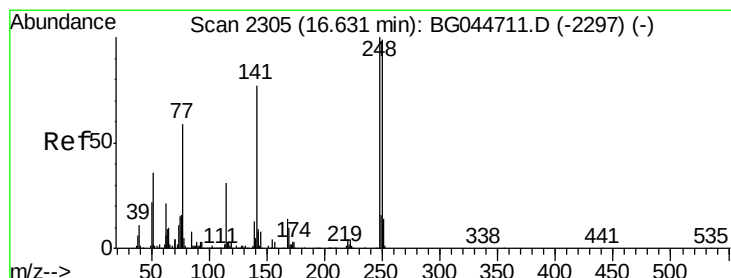
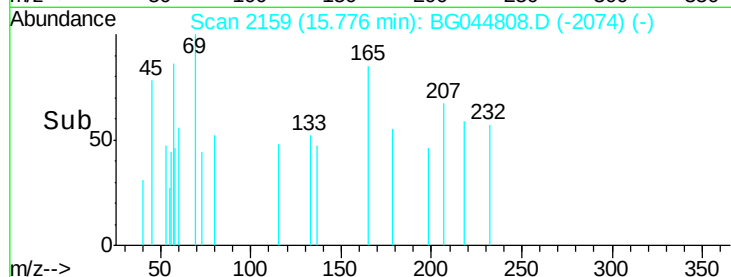
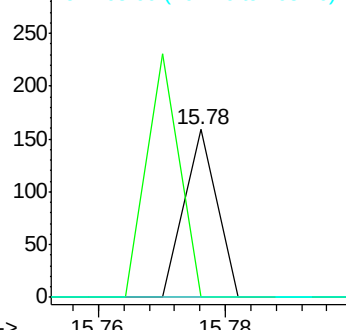
105 0.0 21.3 61.3#



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: 4.28 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG044808.D

Acq: 14 Mar 2020 23:39

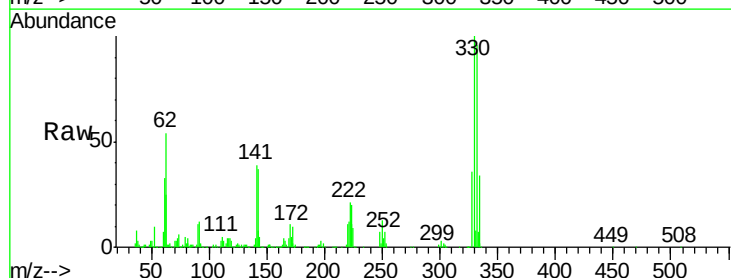
Tgt Ion:248 Resp: 31479

Ion Ratio Lower Upper

248 100

250 186.4 79.4 119.0#

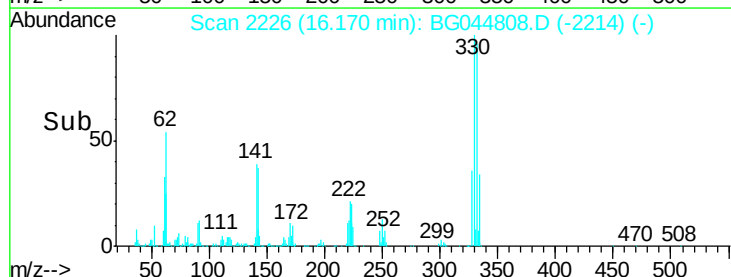
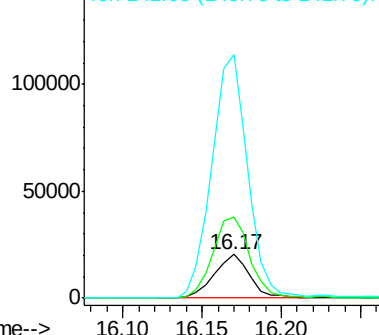
141 555.9 61.7 92.5#

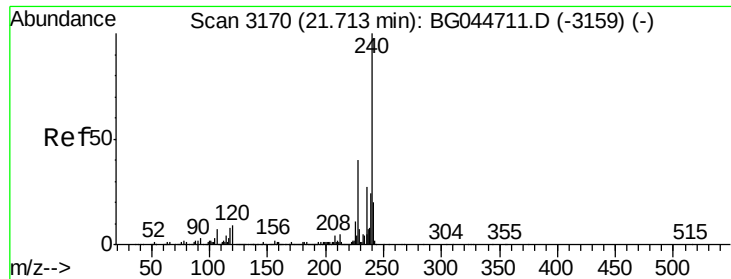


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

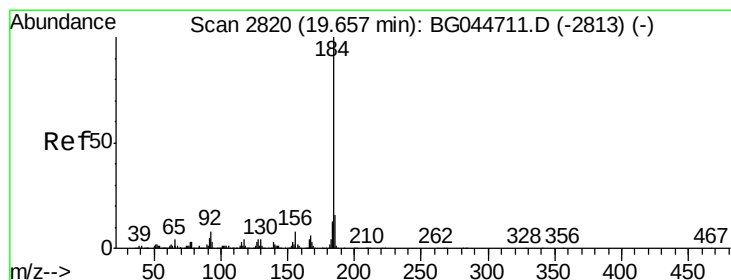
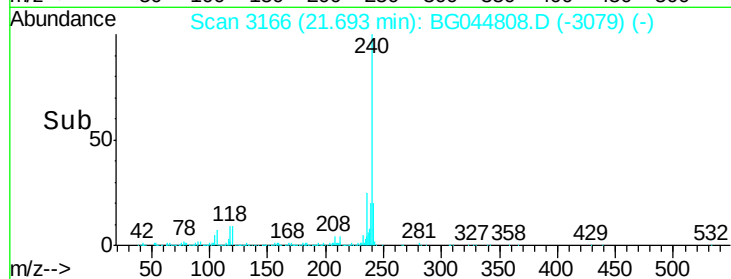
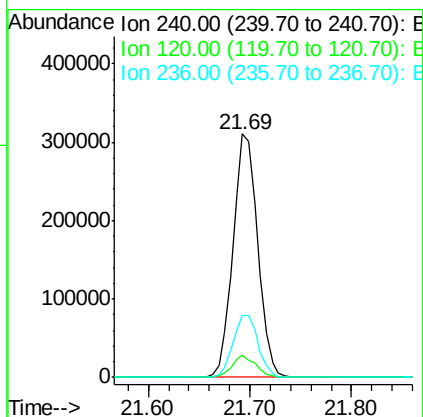
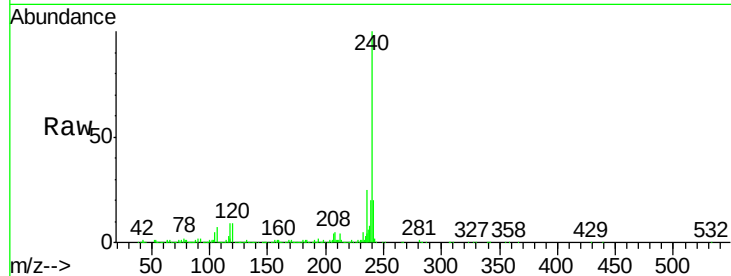




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.02 min
Lab File: BG044808.D
Acq: 14 Mar 2020 23:39

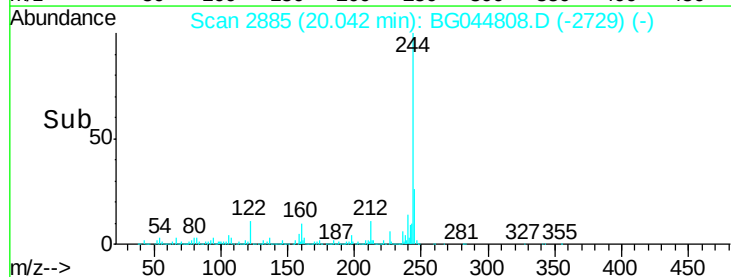
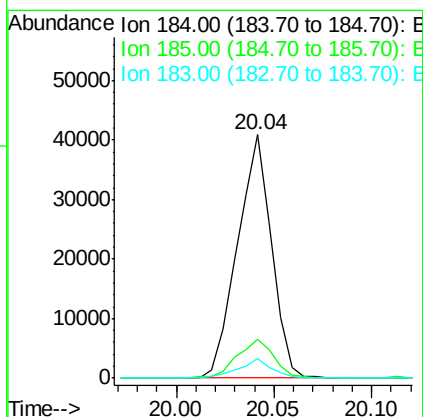
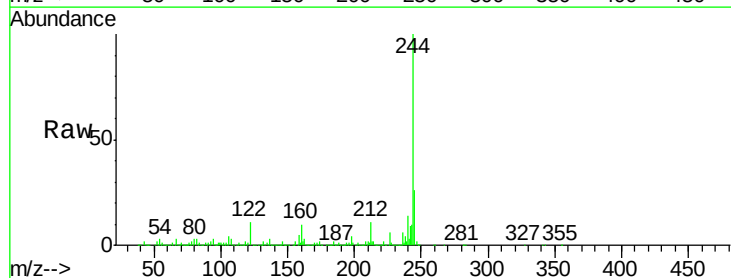
Instrument :
BNA_G
ClientSampleId :
TP-2

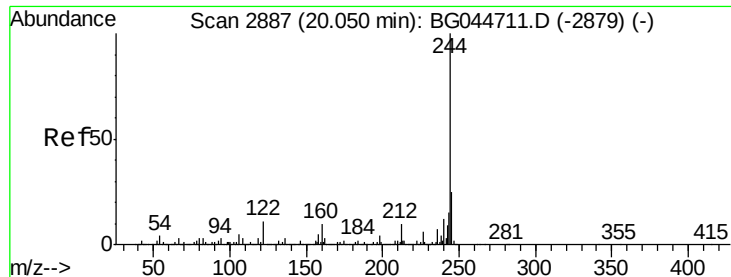
Tgt Ion:240 Resp: 524286
Ion Ratio Lower Upper
240 100
120 8.9 6.9 10.3
236 25.4 21.9 32.9



#77
Benzidine
Concen: 2.90 ng
RT: 20.04 min Scan# 2885
Delta R.T. 0.39 min
Lab File: BG044808.D
Acq: 14 Mar 2020 23:39

Tgt Ion:184 Resp: 49361
Ion Ratio Lower Upper
184 100
185 16.0 12.9 19.3
183 8.0 10.6 15.8#





#79

Terphenyl-d14

Concen: 87.05 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG044808.D

Acq: 14 Mar 2020 23:39

Instrument :

BNA_G

ClientSampleId :

TP-2

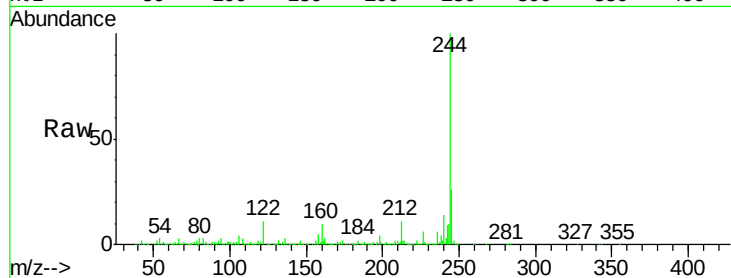
Tgt Ion:244 Resp: 2440009

Ion Ratio Lower Upper

244 100

212 10.9 8.4 12.6

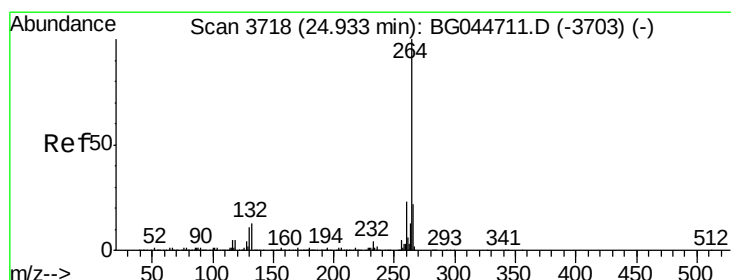
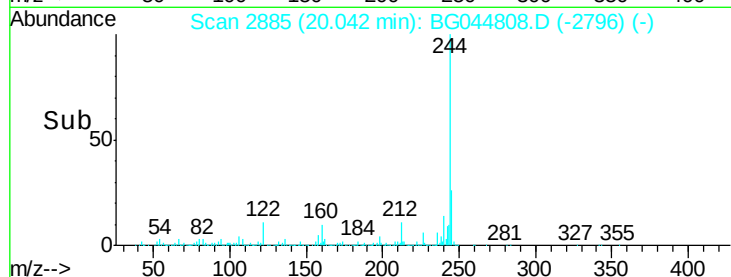
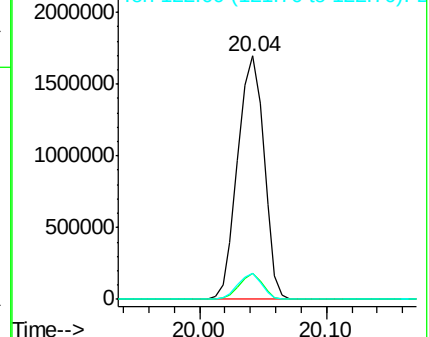
122 10.9 8.7 13.1



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



#87

Perylene-d12

Concen: 20.00 ng

RT: 24.91 min Scan# 3714

Delta R.T. -0.02 min

Lab File: BG044808.D

Acq: 14 Mar 2020 23:39

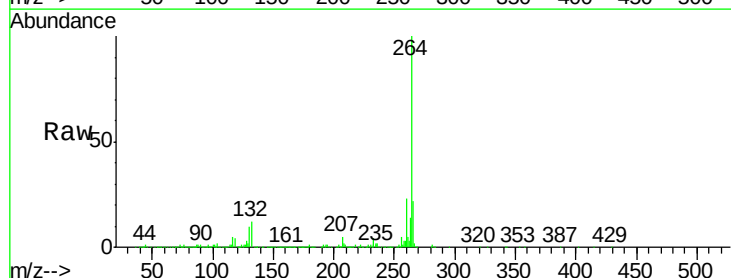
Tgt Ion:264 Resp: 593990

Ion Ratio Lower Upper

264 100

260 23.0 18.4 27.6

265 21.6 17.4 26.2



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

