

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044754.D
 Acq On : 13 Mar 2020 4:06
 Operator : CG/JU
 Sample : L1853-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 06:11:08 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	98778	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	394535	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	269494	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	614174	20.00	ng	0.00
76) Chrysene-d12	21.70	240	568089	20.00	ng	-0.01
87) Perylene-d12	24.92	264	642605	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	686449	108.18	ng	0.00
7) Phenol-d6	7.21	99	894089	96.98	ng	0.00
23) Nitrobenzene-d5	9.21	82	759428	84.47	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	457104	129.54	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1556047	82.68	ng	0.00
79) Terphenyl-d14	20.04	244	2509763	82.64	ng	0.00

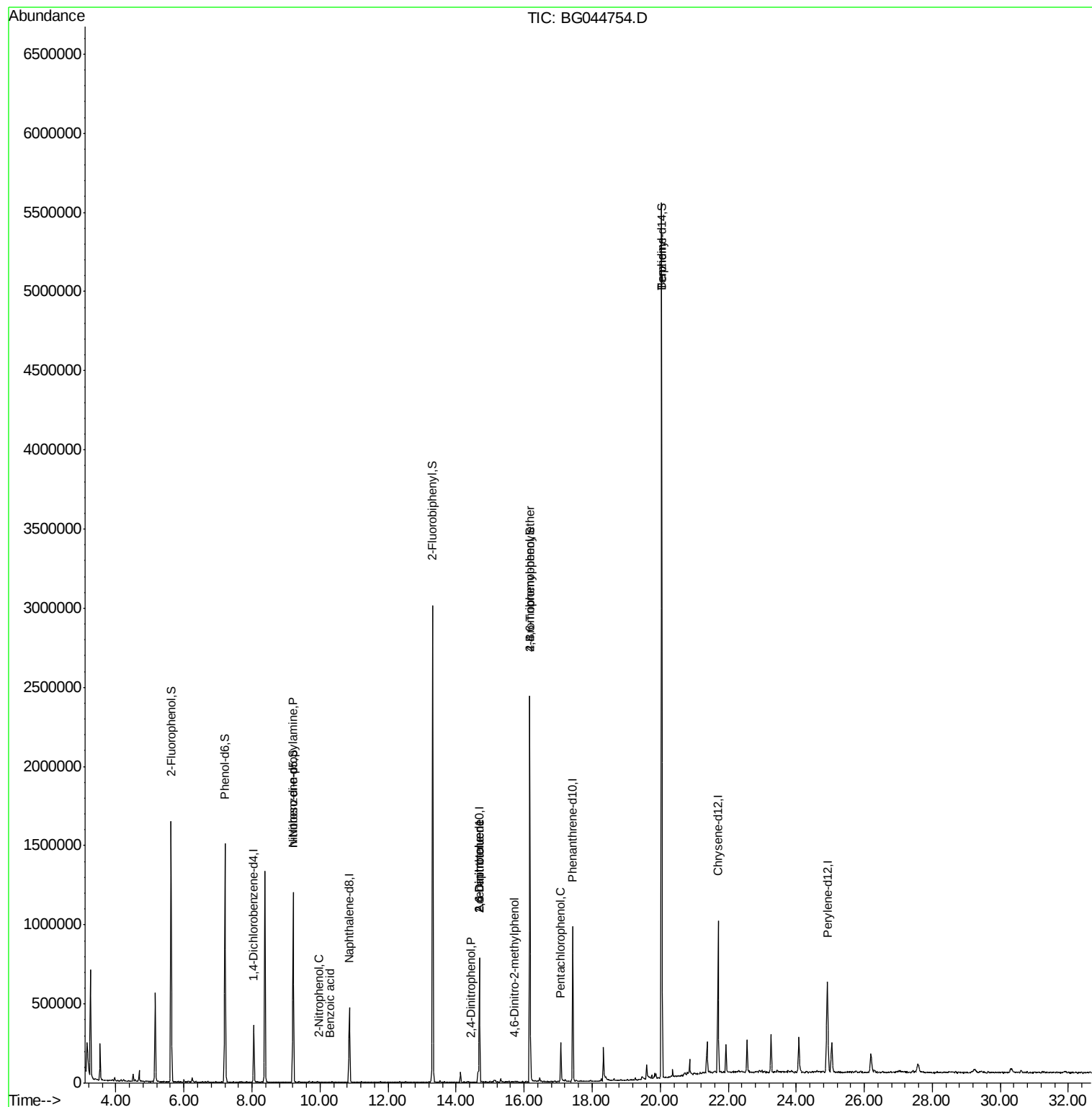
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1597	Below Cal		# 15
19) n-Nitroso-di-n-propylamine	9.21	70	100063	15.371	ng	# 75
26) 2-Nitrophenol	9.97	139	55	5.530	ng	# 28
32) Benzoic acid	10.27	122	55	9.680	ng	# 1
51) 2,6-Dinitrotoluene	14.69	165	34437	7.960	ng	# 20
54) 2,4-Dinitrophenol	14.42	184	90	8.358	ng	# 2
57) 2,4-Dinitrotoluene	14.69	165	34437	5.804	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.72	198	80	7.751	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	30267	3.942	ng	# 1
70) Pentachlorophenol	17.08	266	50519	11.023	ng	# 92
77) Benzydine	20.04	184	55542	3.012	ng	# 92

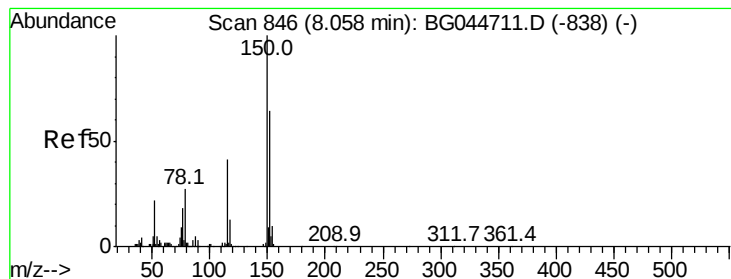
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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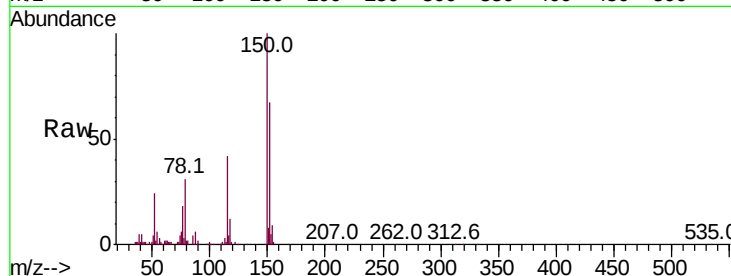


#1

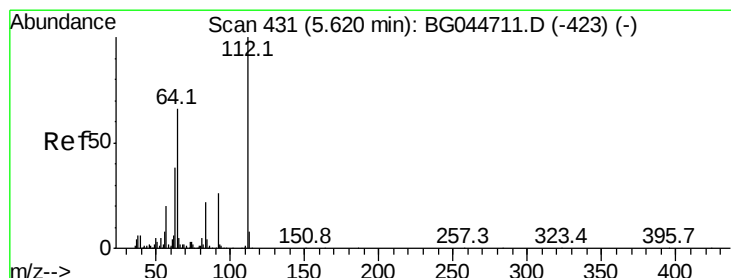
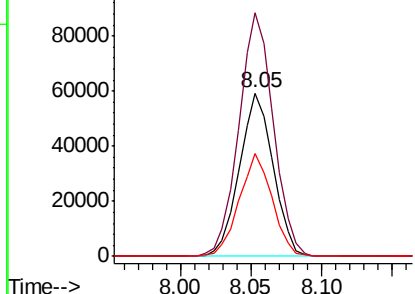
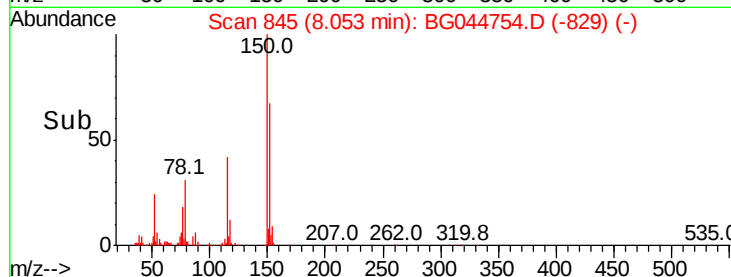
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044754.D
Acq: 13 Mar 2020 4:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 98778
Ion Ratio Lower Upper
152 100
150 149.1 125.3 187.9
115 62.9 51.7 77.5



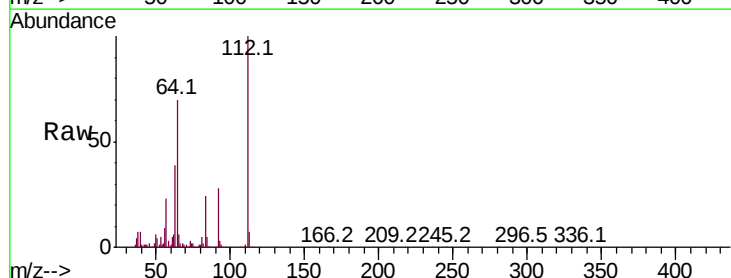
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



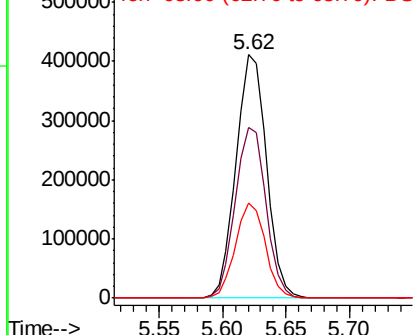
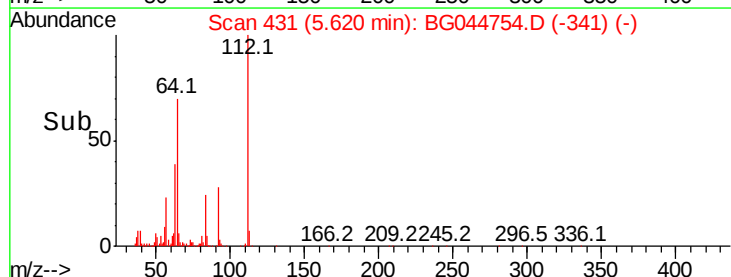
#5

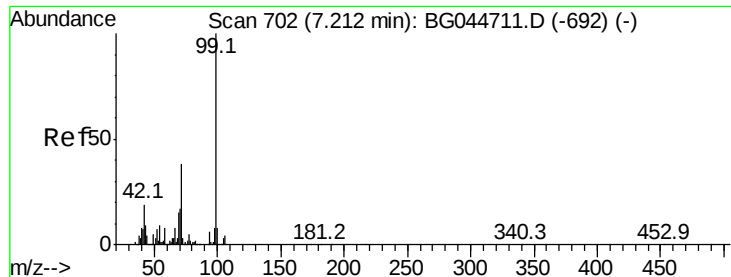
2-Fluorophenol
Concen: 108.181 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044754.D
Acq: 13 Mar 2020 4:06

Tgt Ion:112 Resp: 686449
Ion Ratio Lower Upper
112 100
64 70.3 52.6 78.8
63 39.3 30.2 45.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 96.979 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044754.D

Acq: 13 Mar 2020 4:06

Instrument :

BNA_G

ClientSampleId :

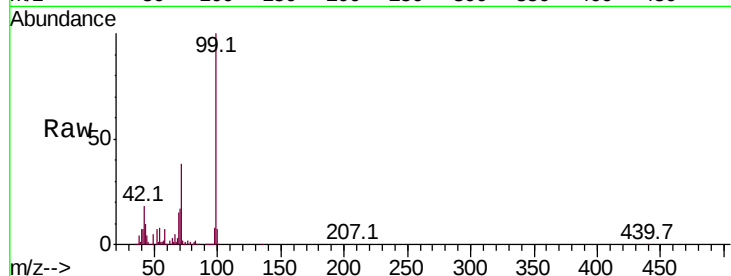
Tot Ion: 99 Resp: 894089

Ion Ratio Lower Upper

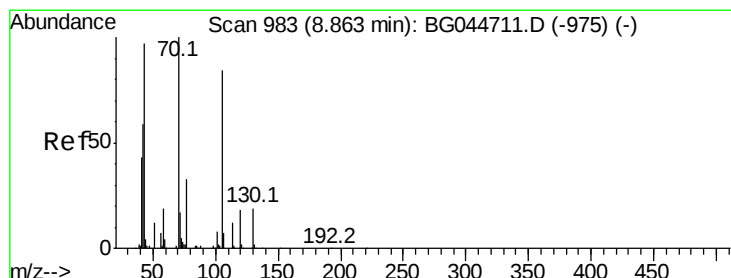
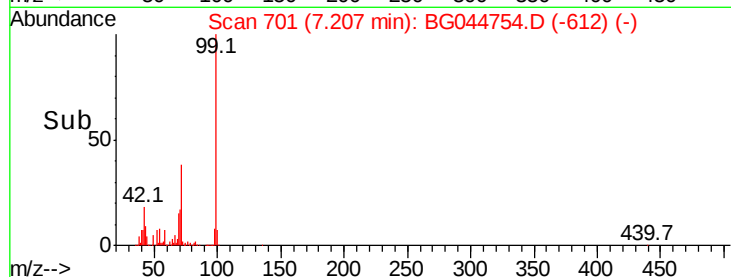
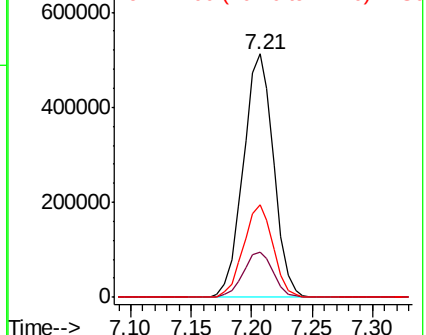
99 100

42 18.4 15.4 23.0

71 38.1 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: 15.371 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044754.D

Acq: 13 Mar 2020 4:06

Tgt Ion: 70 Resp: 100063

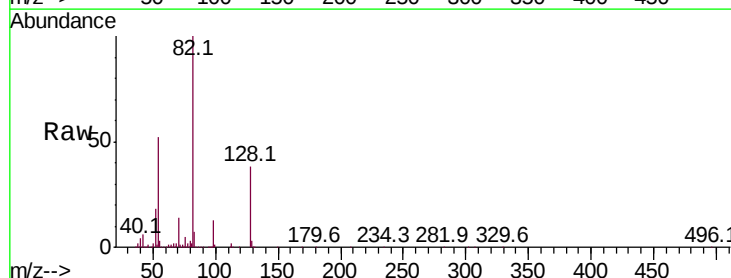
Ion Ratio Lower Upper

70 100

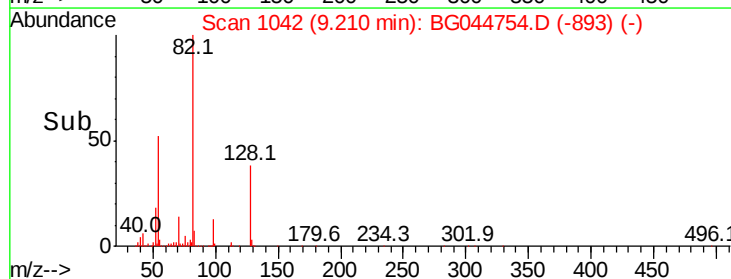
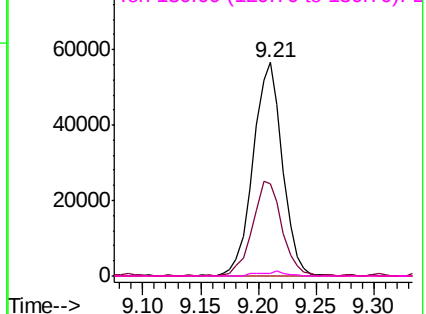
42 43.3 47.6 71.4#

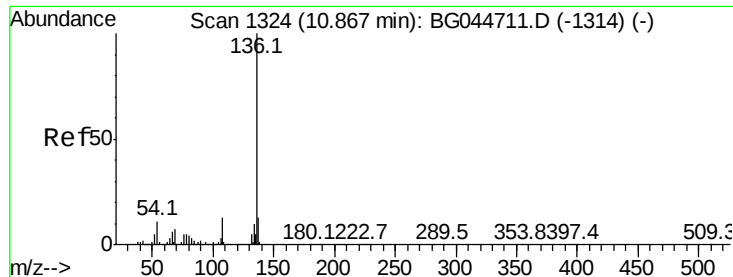
101 0.0 6.5 9.7#

130 1.5 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: 20.000 ng

RT: 10.86 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BG044754.D

Acq: 13 Mar 2020 4:06

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 394535

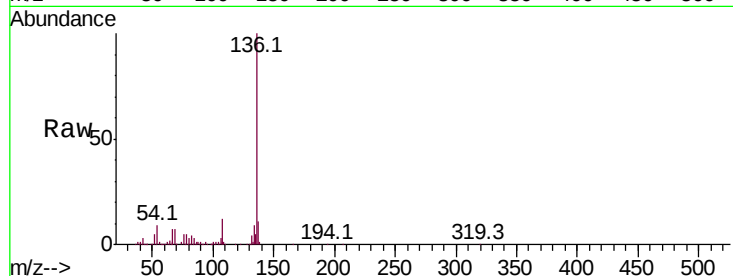
Ion	Ratio	Lower	Upper
136	100		
137	11.4	10.7	16.1
54	9.4	9.0	13.4
68	7.4	5.9	8.9

136 100

137 11.4 10.7 16.1

54 9.4 9.0 13.4

68 7.4 5.9 8.9

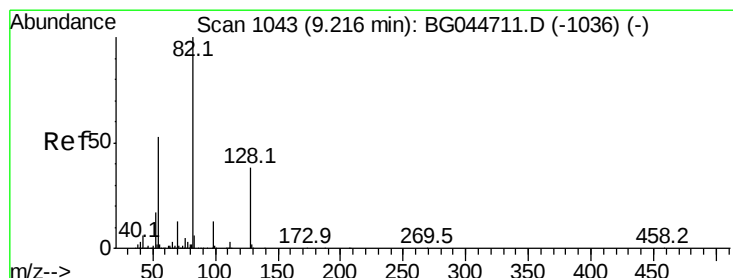
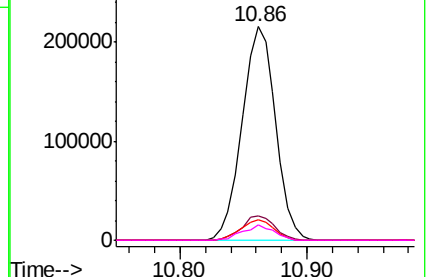
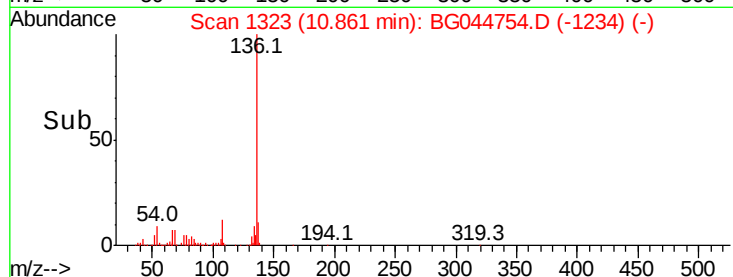


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 84.466 ng

RT: 9.21 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BG044754.D

Acq: 13 Mar 2020 4:06

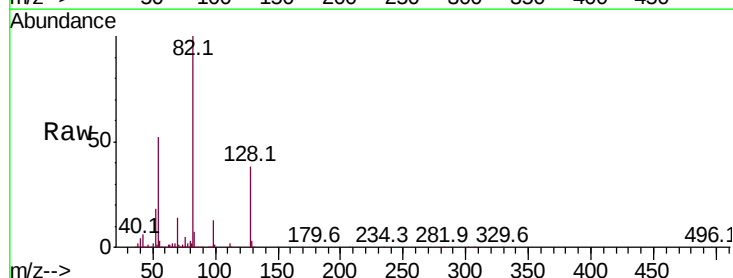
Tgt Ion: 82 Resp: 759428

Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.2	45.2
54	51.6	41.8	62.8

82 100

128 38.4 30.2 45.2

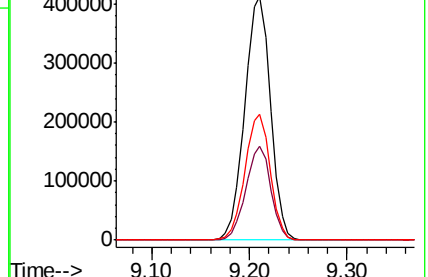
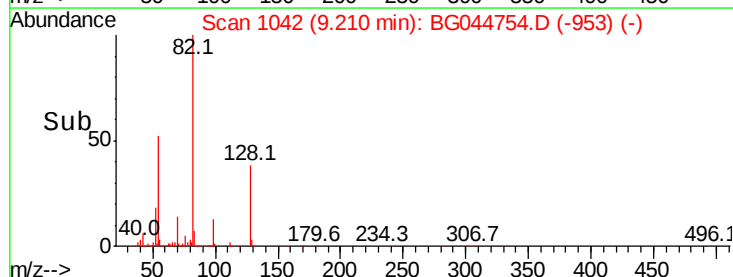
54 51.6 41.8 62.8

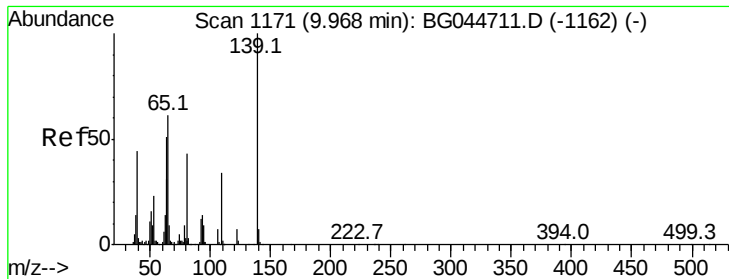


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

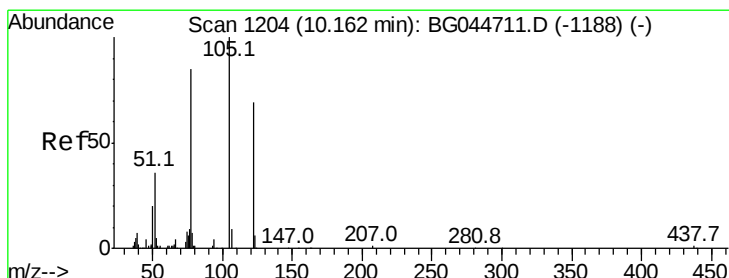
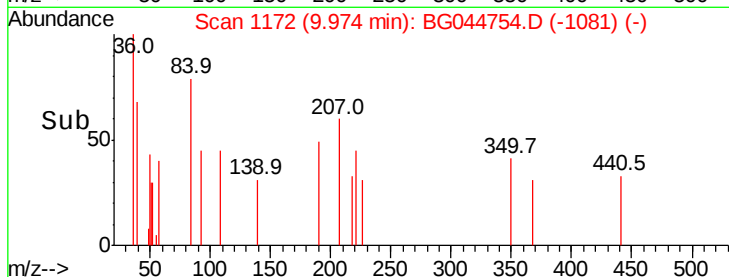
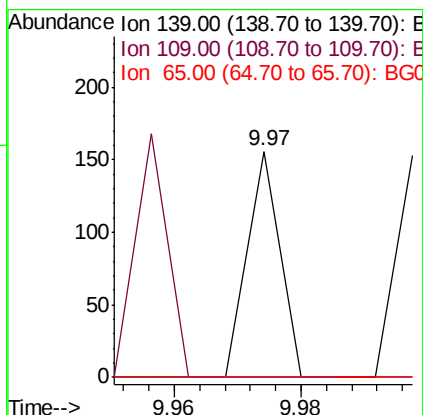
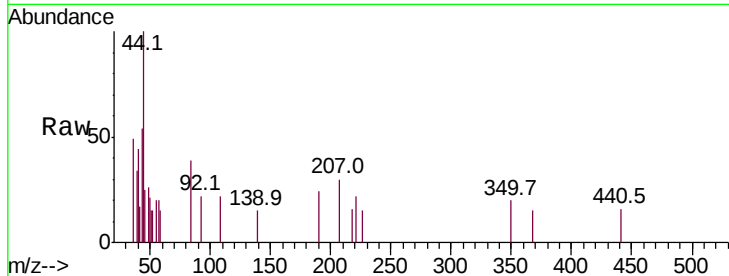




#26
2-Nitrophenol
Concen: 5.530 ng
RT: 9.97 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BG044754.D
Acq: 13 Mar 2020 4:06

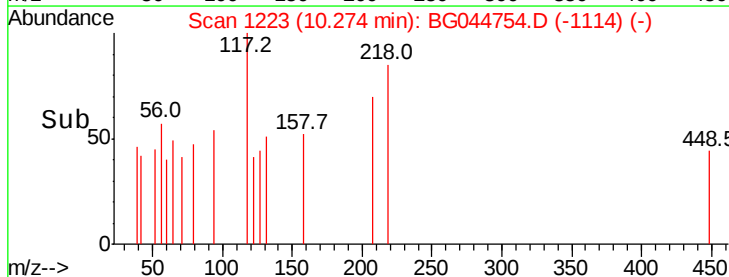
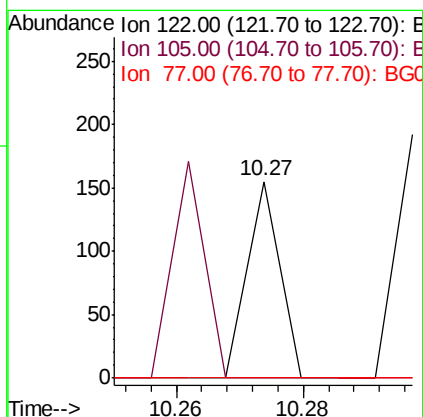
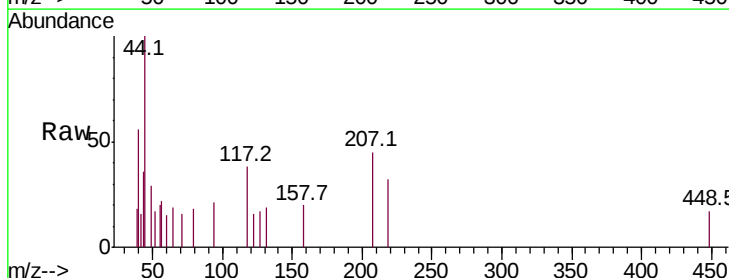
Instrument :
BNA_G
ClientSampled :

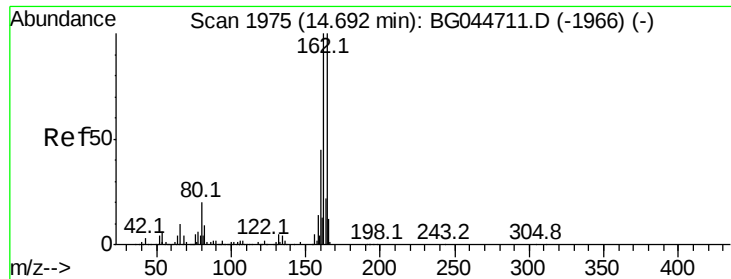
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#



#32
Benzoic acid
Concen: 9.680 ng
RT: 10.27 min Scan# 1223
Delta R.T. 0.11 min
Lab File: BG044754.D
Acq: 13 Mar 2020 4:06

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG044754.D

Acq: 13 Mar 2020 4:06

Instrument :

BNA_G

ClientSampleId :

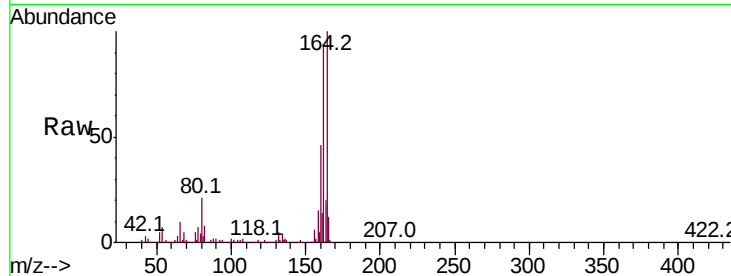
Tot Ion:164 Resp: 269494

Ion Ratio Lower Upper

164 100

162 94.0 80.2 120.4

160 45.5 36.2 54.2

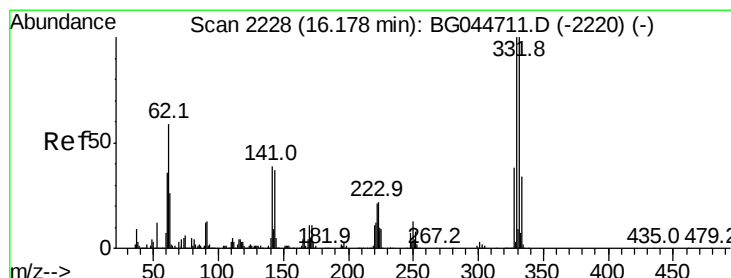
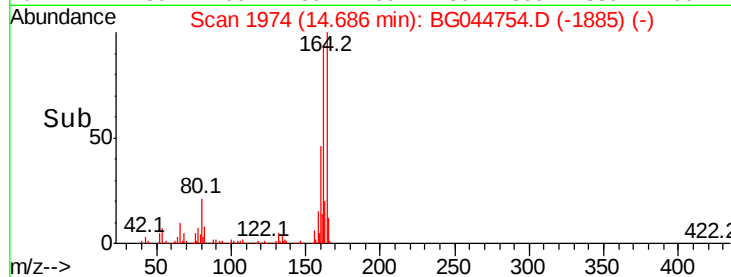
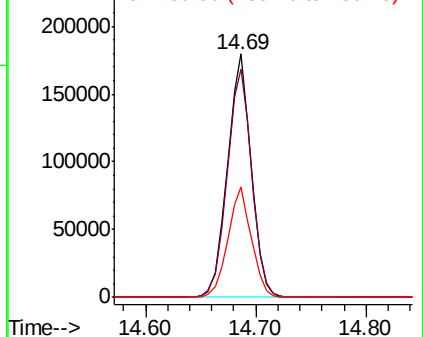


Abundance

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: 129.542 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG044754.D

Acq: 13 Mar 2020 4:06

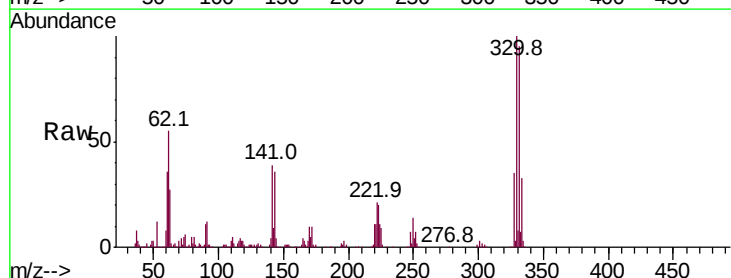
Tgt Ion:330 Resp: 457104

Ion Ratio Lower Upper

330 100

332 96.0 77.5 116.3

141 40.0 31.7 47.5

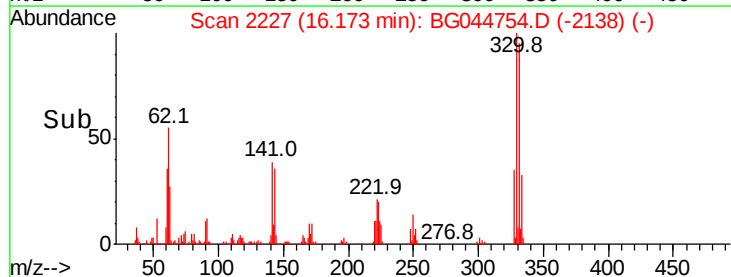
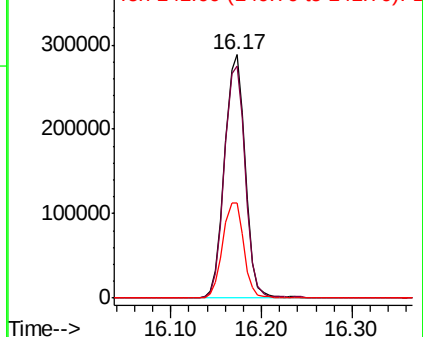


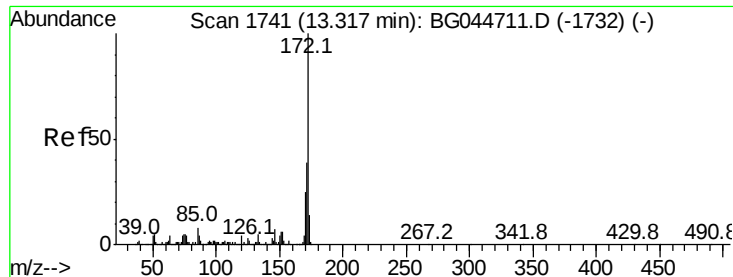
Abundance

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: 82.685 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG044754.D

Acq: 13 Mar 2020 4:06

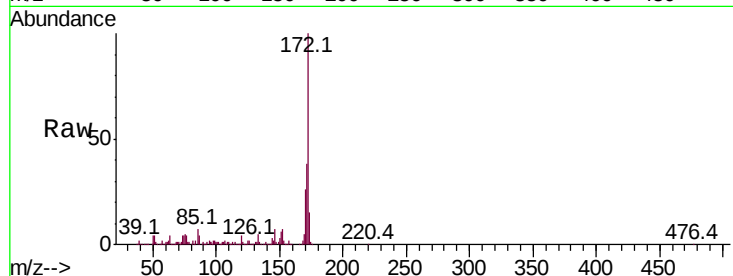
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 1556047

Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.8	46.2
170	25.9	20.0	30.0

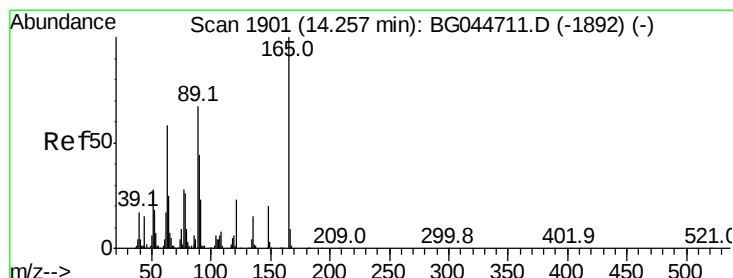
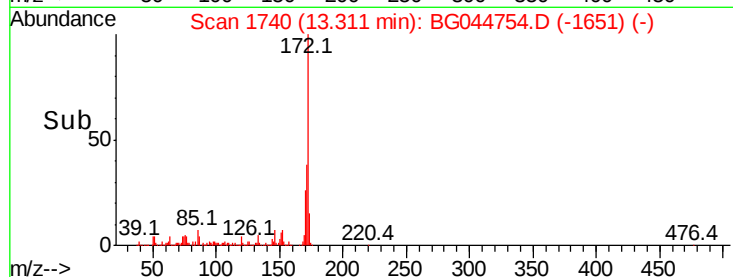
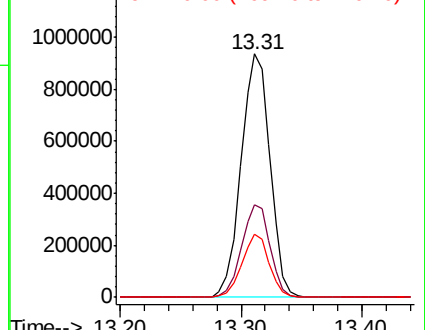


Abundance

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



#51

2,6-Dinitrotoluene

Concen: 7.960 ng

RT: 14.69 min Scan# 1974

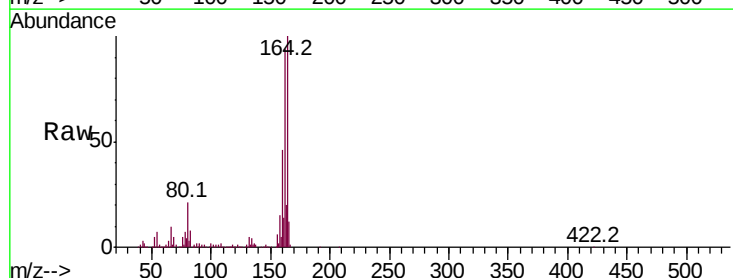
Delta R.T. 0.43 min

Lab File: BG044754.D

Acq: 13 Mar 2020 4:06

Tgt Ion:165 Resp: 34437

Ion	Ratio	Lower	Upper
165	100		
63	1.4	48.9	73.3#
89	1.8	53.8	80.8#

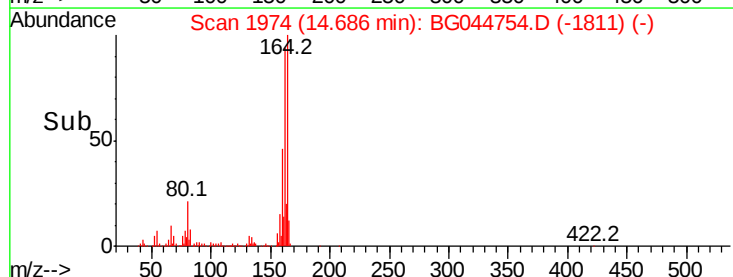
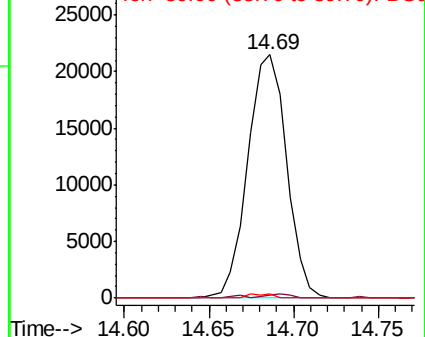


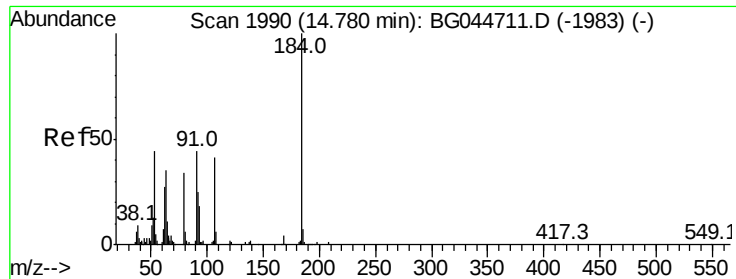
Abundance

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

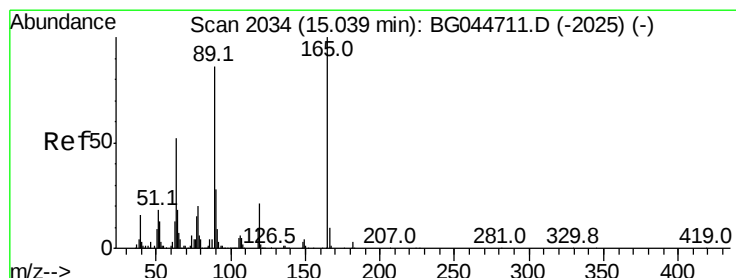
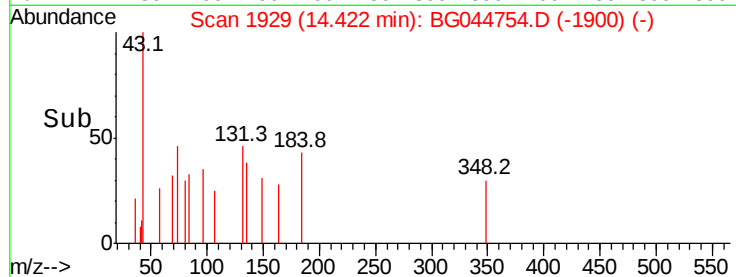
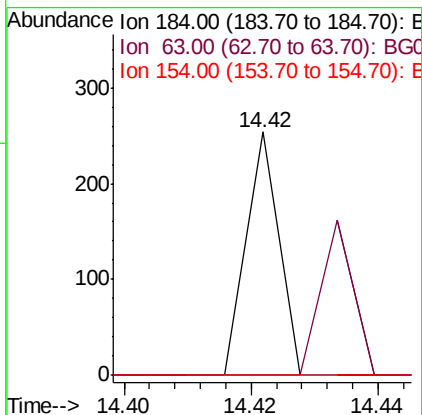
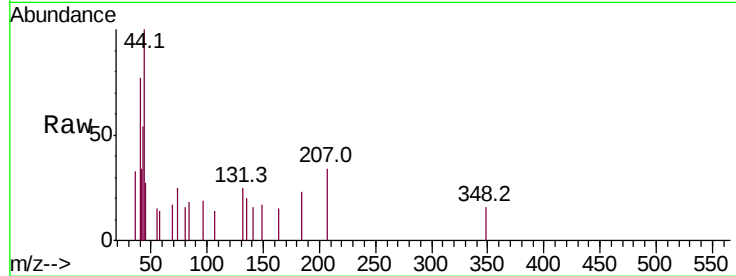




#54
2,4-Dinitrophenol
Concen: 8.358 ng
RT: 14.42 min Scan# 1929
Delta R.T. -0.36 min
Lab File: BG044754.D
Acq: 13 Mar 2020 4:06

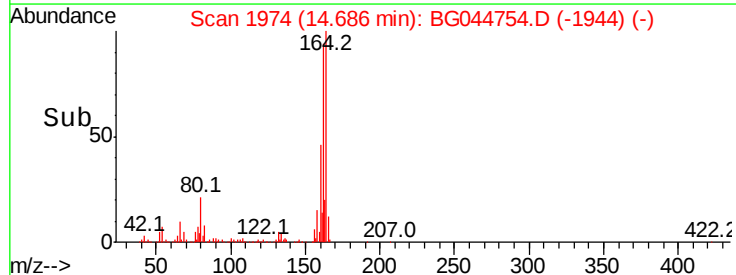
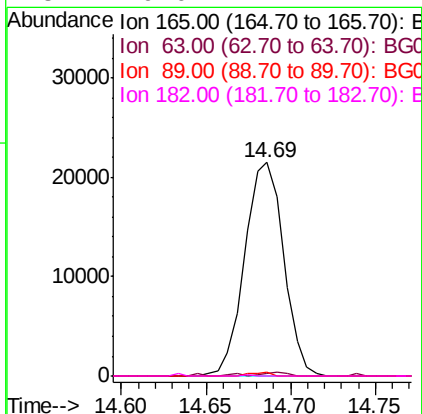
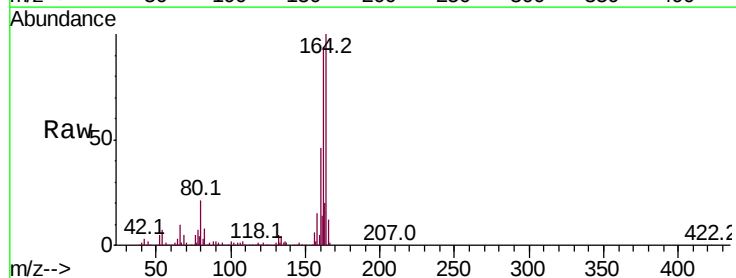
Instrument :
BNA_G
ClientSampleId :

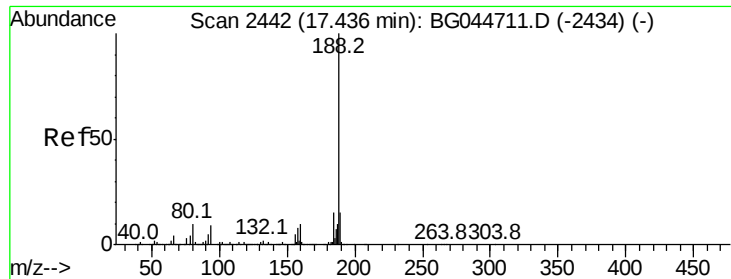
Tot Ion:184 Resp: 90
Ion Ratio Lower Upper
184 100
63 0.0 49.0 73.6#
154 0.0 94.5 141.7#



#57
2,4-Dinitrotoluene
Concen: 5.804 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044754.D
Acq: 13 Mar 2020 4:06

Tgt Ion:165 Resp: 34437
Ion Ratio Lower Upper
165 100
63 1.4 41.5 62.3#
89 1.8 69.0 103.4#
182 0.0 2.7 4.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG044754.D

Acq: 13 Mar 2020 4:06

Instrument :

BNA_G

ClientSampleId :

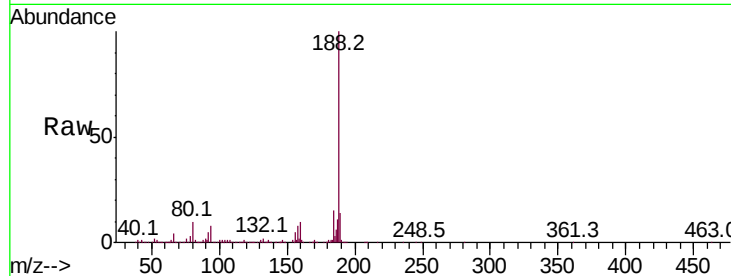
Tot Ion:188 Resp: 614174

Ion Ratio Lower Upper

188 100

94 7.7 7.0 10.6

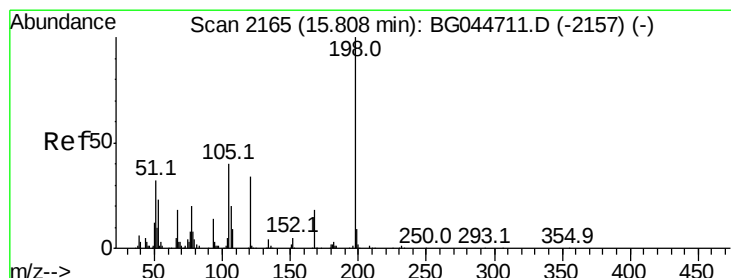
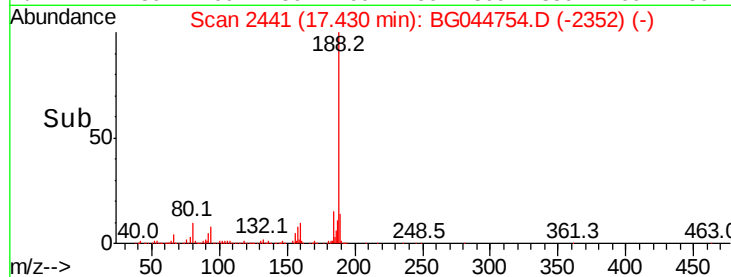
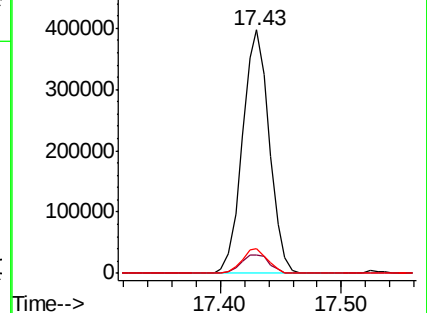
80 10.0 8.4 12.6



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: 7.751 ng

RT: 15.72 min Scan# 2150

Delta R.T. -0.09 min

Lab File: BG044754.D

Acq: 13 Mar 2020 4:06

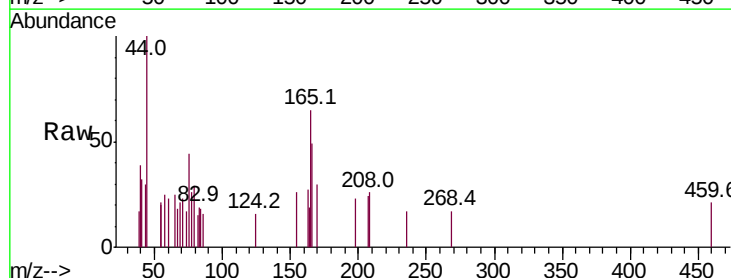
Tgt Ion:198 Resp: 80

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

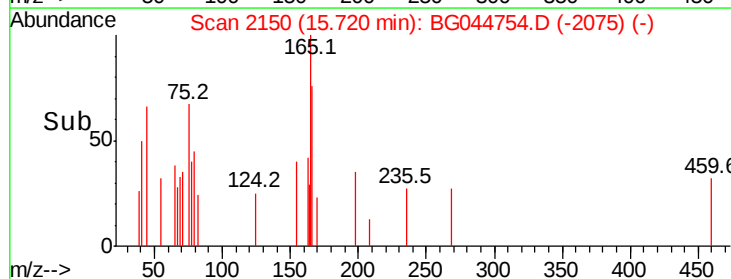
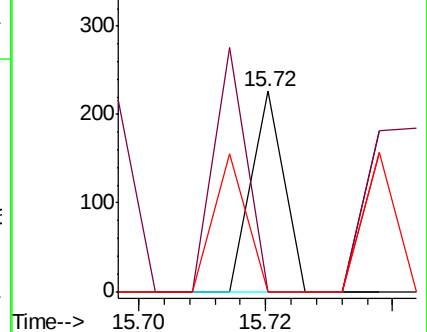
105 0.0 21.3 61.3#

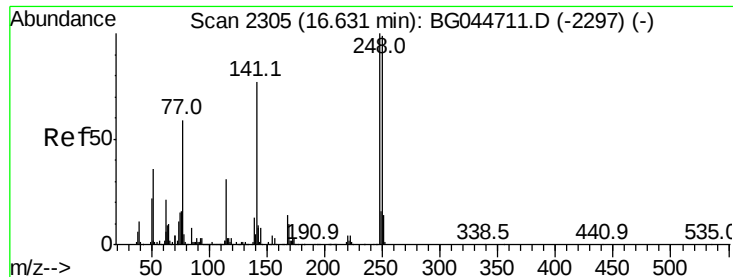


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

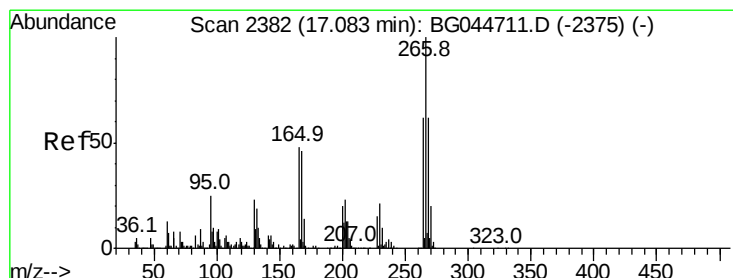
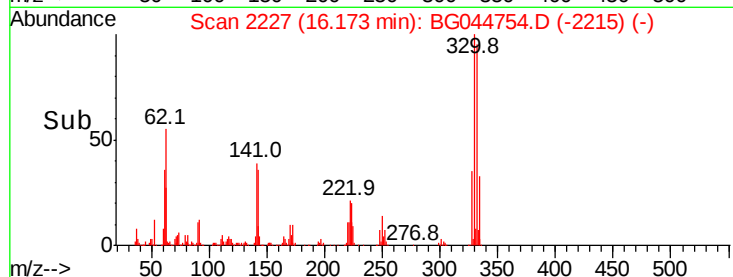
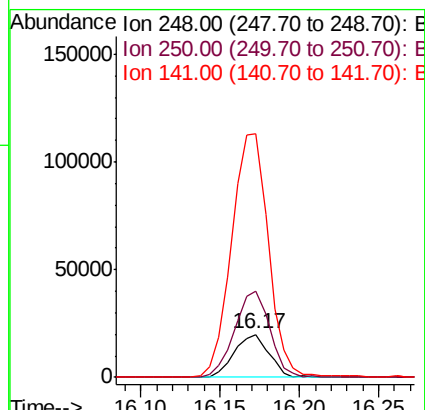
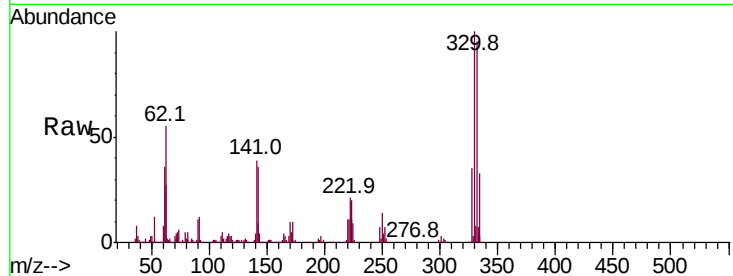




#67
 4-Bromophenyl-phenylether
 Concen: 3.942 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.46 min
 Lab File: BG044754.D
 Acq: 13 Mar 2020 4:06

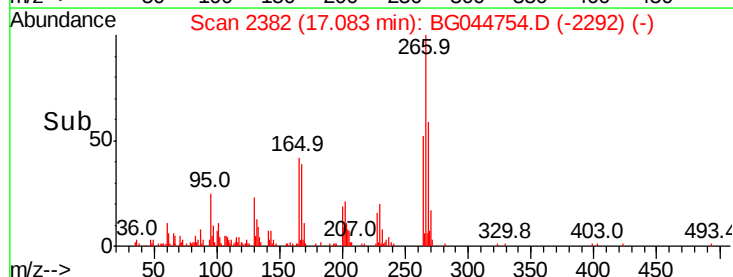
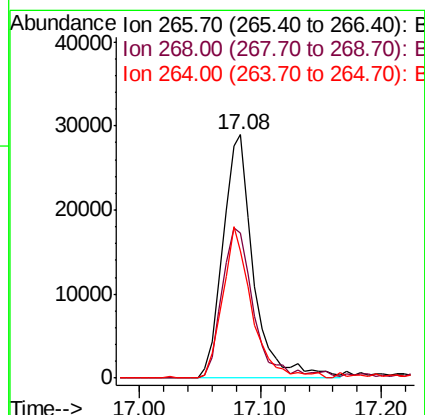
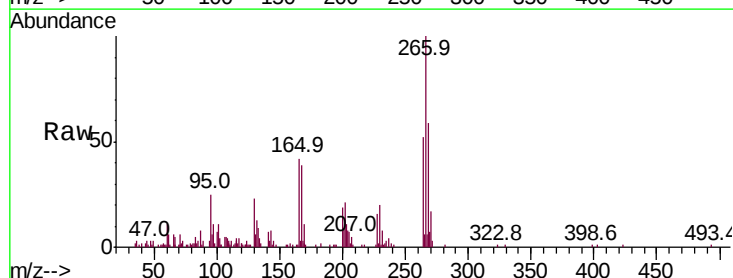
Instrument :
 BNA_G
 ClientSampled :

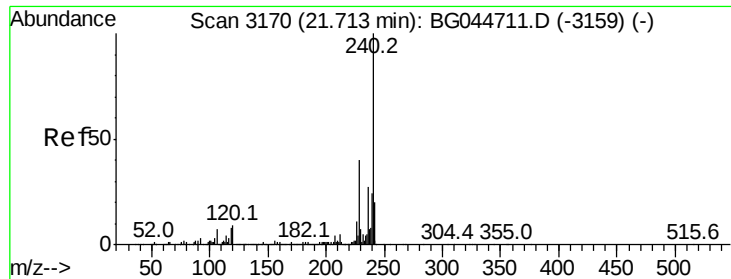
Tot Ion:248 Resp: 30267
 Ion Ratio Lower Upper
 248 100
 250 201.9 79.4 119.0#
 141 569.2 61.7 92.5#



#70
 Pentachlorophenol
 Concen: 11.023 ng
 RT: 17.08 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: BG044754.D
 Acq: 13 Mar 2020 4:06

Tgt Ion:266 Resp: 50519
 Ion Ratio Lower Upper
 266 100
 268 59.4 49.9 74.9
 264 52.3 49.9 74.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BG044754.D

Acq: 13 Mar 2020 4:06

Instrument :

BNA_G

ClientSampleId :

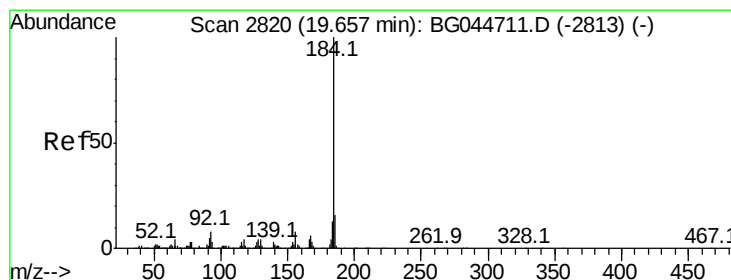
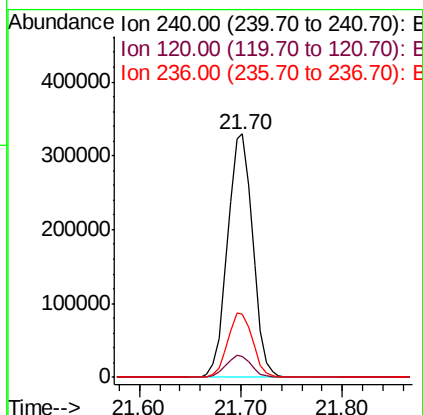
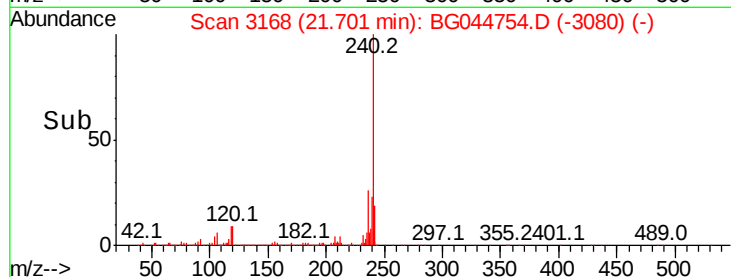
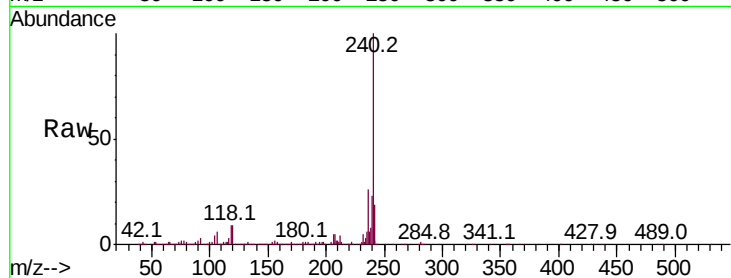
Tot Ion:240 Resp: 568089

Ion Ratio Lower Upper

240 100

120 8.5 6.9 10.3

236 26.1 21.9 32.9



#77

Benzidine

Concen: 3.012 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044754.D

Acq: 13 Mar 2020 4:06

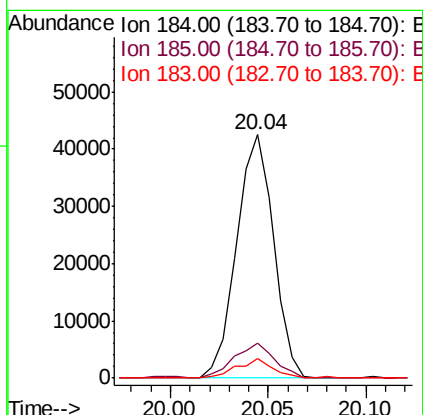
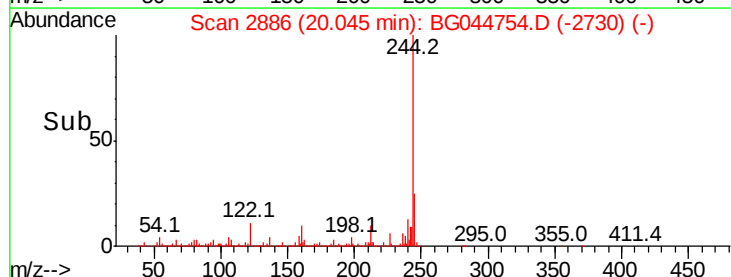
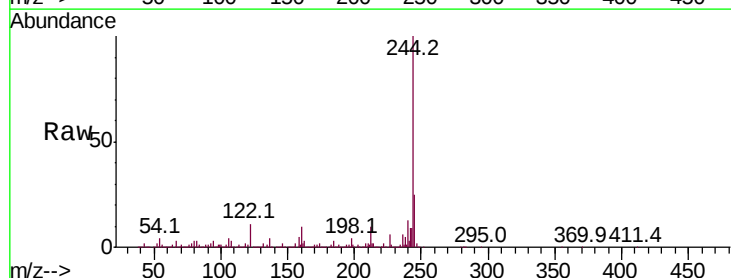
Tgt Ion:184 Resp: 55542

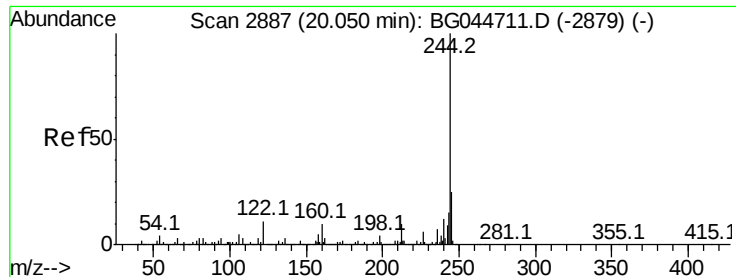
Ion Ratio Lower Upper

184 100

185 14.4 12.9 19.3

183 8.2 10.6 15.8#





#79

Terphenyl-d14

Concen: 82.639 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044754.D

Acq: 13 Mar 2020 4:06

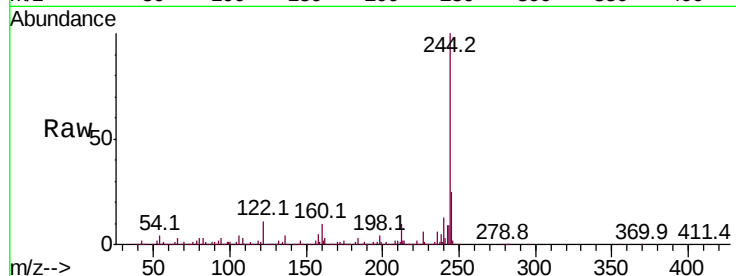
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2509763

Ion	Ratio	Lower	Upper
244	100		
212	10.4	8.4	12.6
122	11.1	8.7	13.1

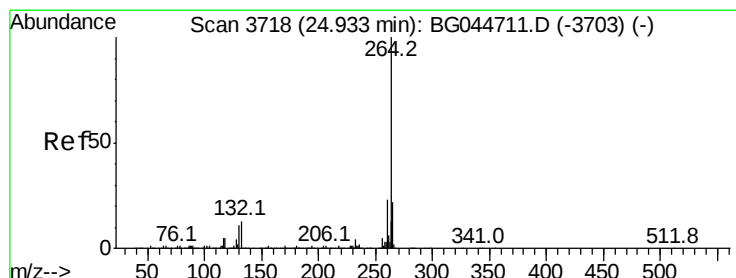
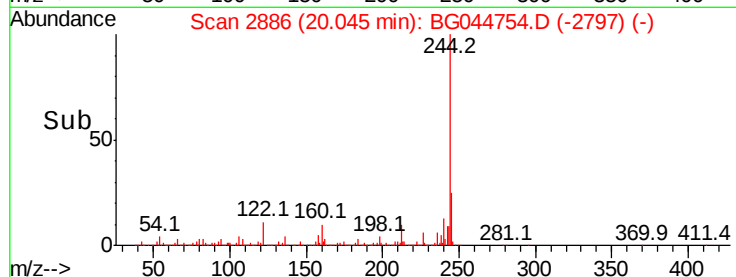
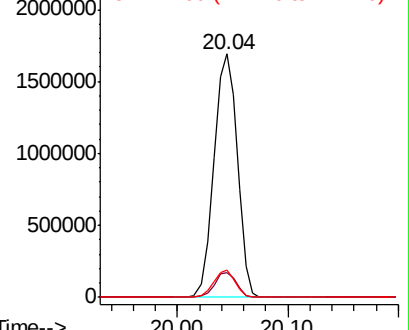


Abundance

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: 20.000 ng

RT: 24.92 min Scan# 3715

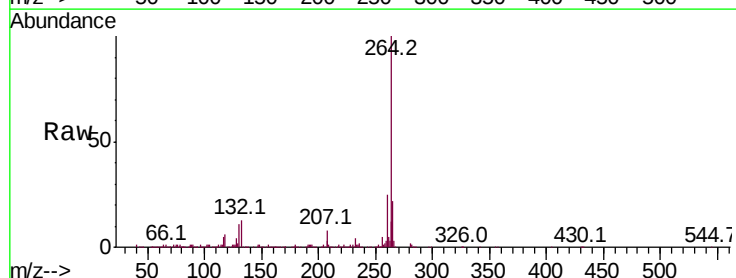
Delta R.T. -0.02 min

Lab File: BG044754.D

Acq: 13 Mar 2020 4:06

Tgt Ion:264 Resp: 642605

Ion	Ratio	Lower	Upper
264	100		
260	24.7	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

