

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\
 Data File : BG045988.D
 Acq On : 9 Jul 2020 9:43
 Operator : CG/JU
 Sample : PB129997BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129997BL

Quant Time: Jul 09 11:11:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	146516	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	586608	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	353508	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	725391	20.00	ng	0.00
76) Chrysene-d12	21.62	240	680099	20.00	ng	-0.01
86) Perylene-d12	24.78	264	662557	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	1112060	123.08	ng	0.00
7) Phenol-d6	7.16	99	1533648	117.90	ng	0.00
23) Nitrobenzene-d5	9.16	82	1033835	101.44	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	424377	129.35	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1978959	87.32	ng	0.00
79) Terphenyl-d14	19.99	244	2601616	85.13	ng	0.00

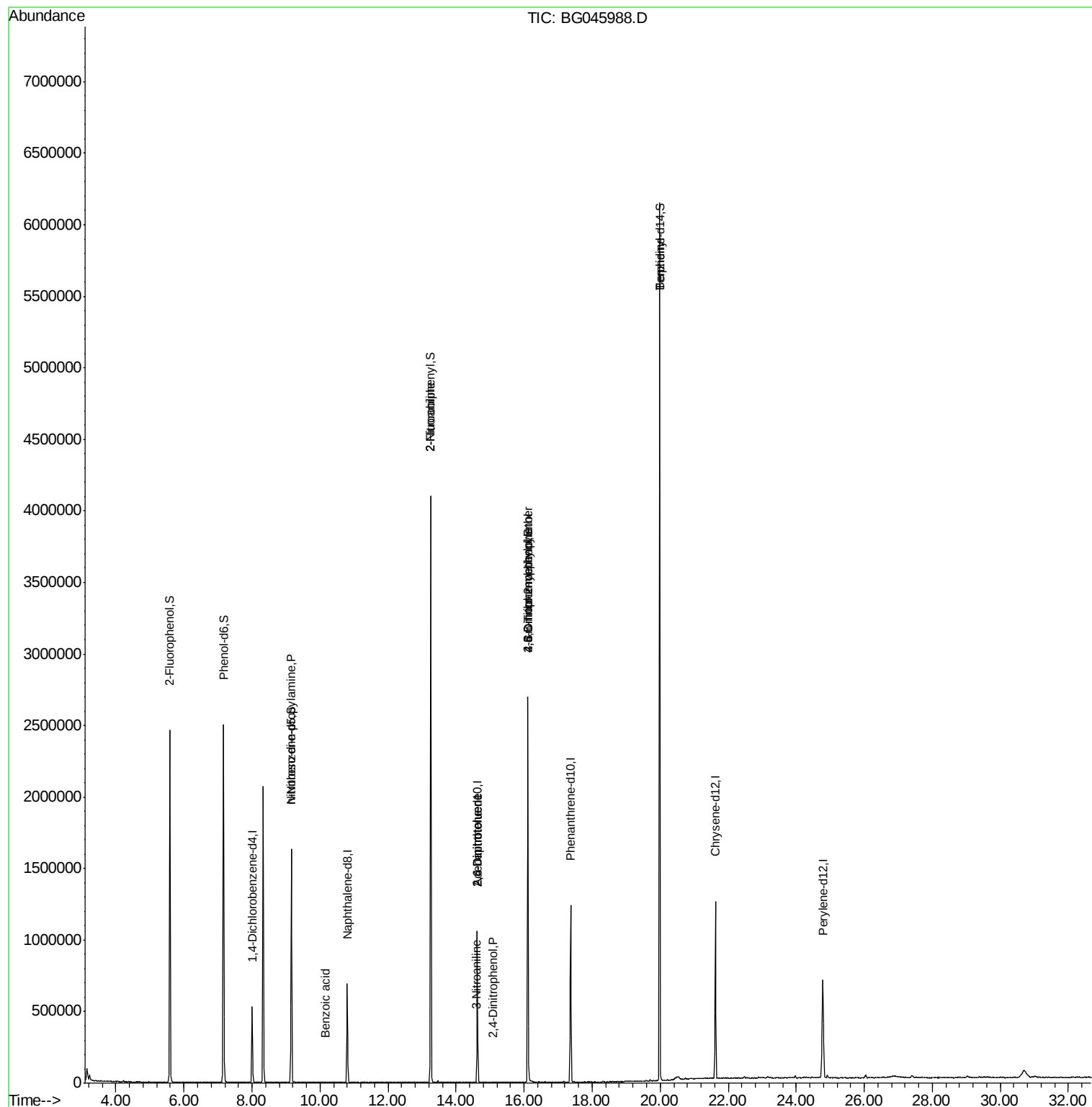
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.16	70	139027	15.214	ng	# 79
32) Benzoic acid	10.16	122	64	6.517	ng	# 1
48) 2-Nitroaniline	13.26	65	4279	4.046	ng	# 1
51) 2,6-Dinitrotoluene	14.63	165	45867	12.310	ng	# 19
53) 3-Nitroaniline	14.60	138	71	2.994	ng	# 1
54) 2,4-Dinitrophenol	15.10	184	66	6.145	ng	# 17
57) 2,4-Dinitrotoluene	14.63	165	45867	10.875	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.11	198	1923	7.451	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	30730	3.793	ng	# 1
77) Benzidine	19.99	184	54558	2.806	ng	# 89

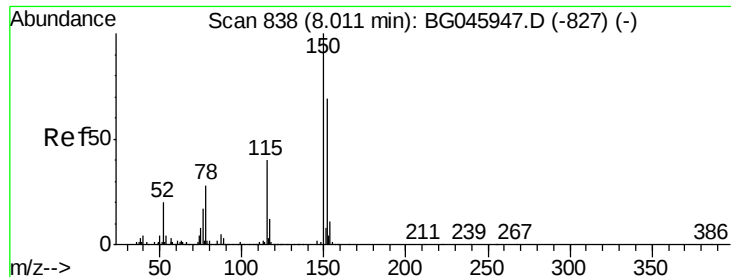
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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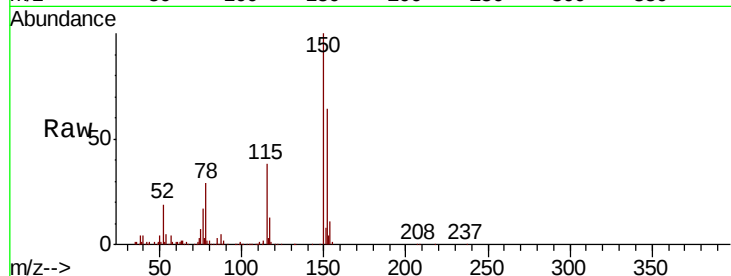


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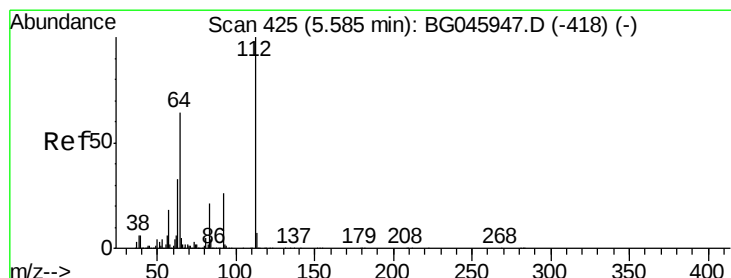
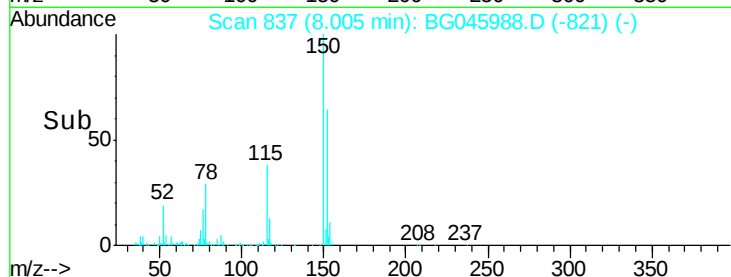
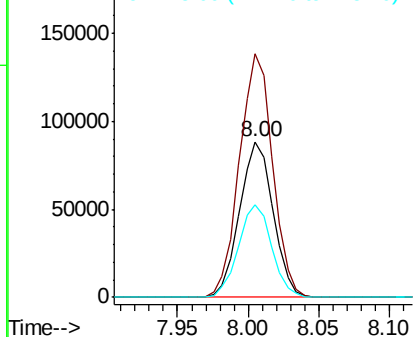
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG045988.D
Acq: 9 Jul 2020 9:43

Instrument :
BNA_G
ClientSampleId :
PB129997BL

Tot Ion:152 Resp: 146516
Ion Ratio Lower Upper
152 100
150 156.2 116.7 175.1
115 59.5 47.4 71.0



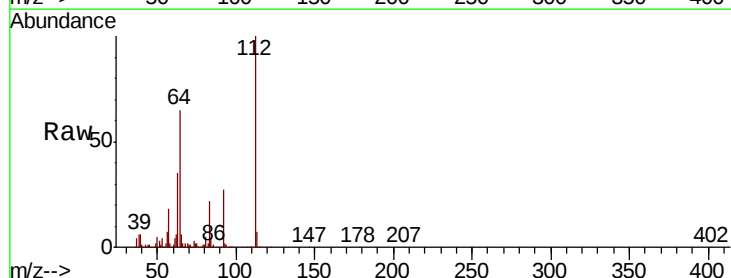
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



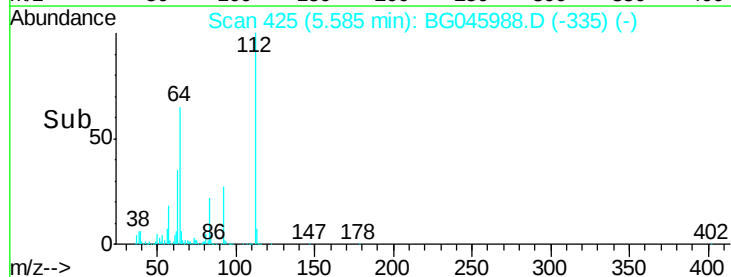
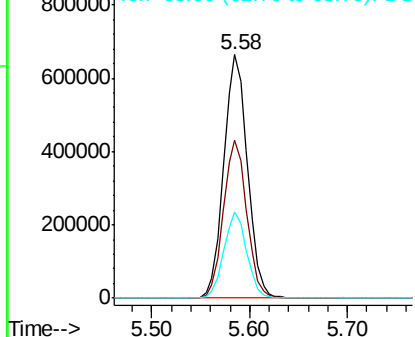
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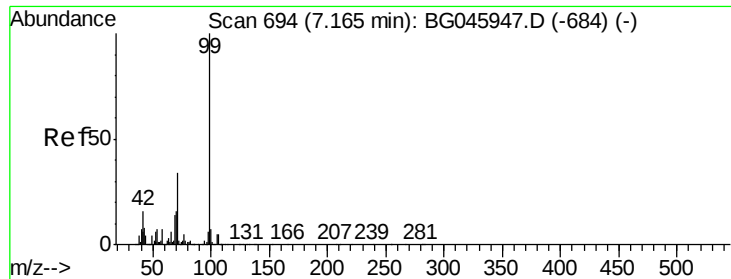
2-Fluorophenol
Concen: 123.085 ng
RT: 5.58 min Scan# 425
Delta R.T. 0.00 min
Lab File: BG045988.D
Acq: 9 Jul 2020 9:43

Tgt Ion:112 Resp: 1112060
Ion Ratio Lower Upper
112 100
64 64.6 51.4 77.2
63 35.2 26.6 40.0



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: 117.903 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045988.D

Acq: 9 Jul 2020 9:43

Instrument :

BNA_G

ClientSampleId :

PB129997BL

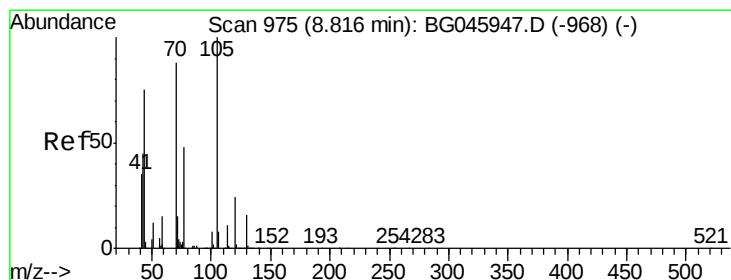
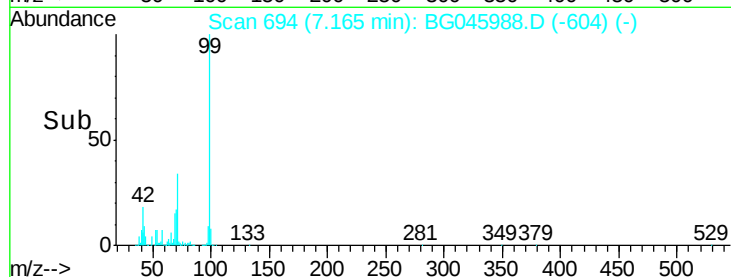
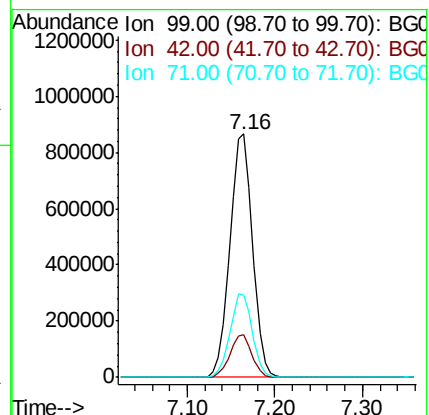
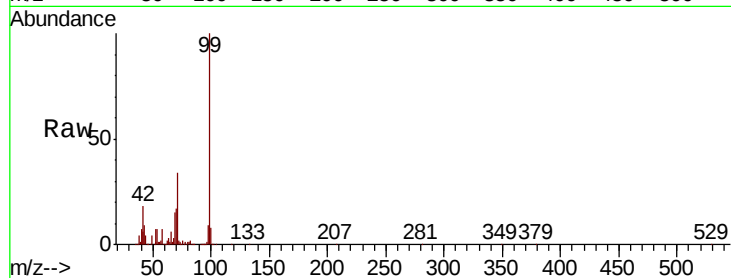
Tot Ion: 99 Resp: 1533648

Ion Ratio Lower Upper

99 100

42 17.7 13.0 19.4

71 34.0 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.214 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.34 min

Lab File: BG045988.D

Acq: 9 Jul 2020 9:43

Tgt Ion: 70 Resp: 139027

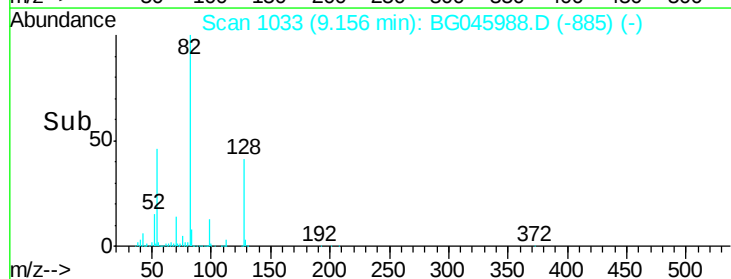
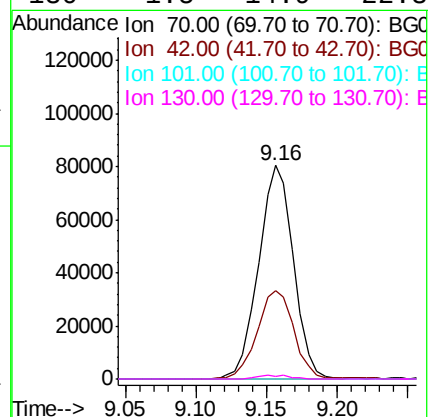
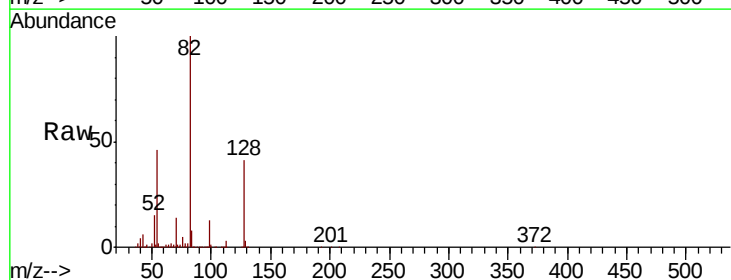
Ion Ratio Lower Upper

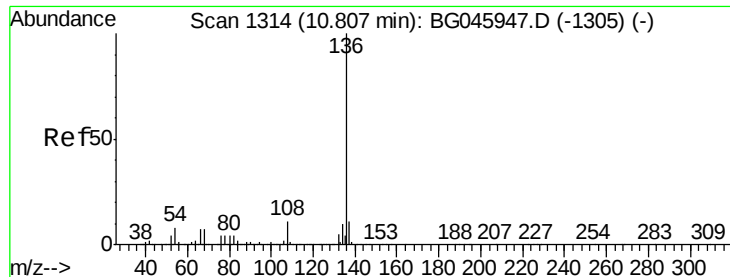
70 100

42 41.5 41.4 62.0

101 0.0 7.1 10.7#

130 1.5 14.9 22.3#

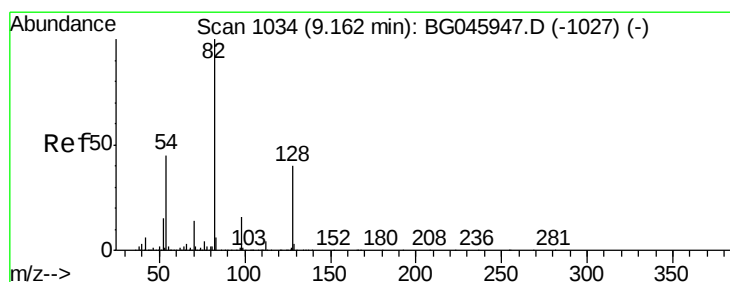
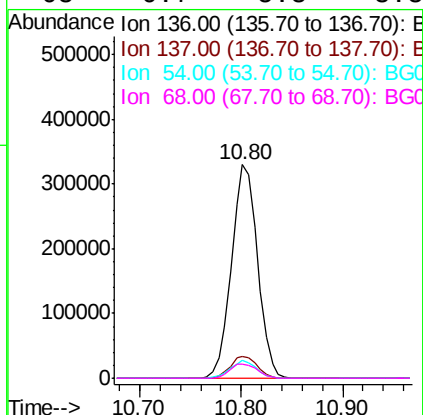
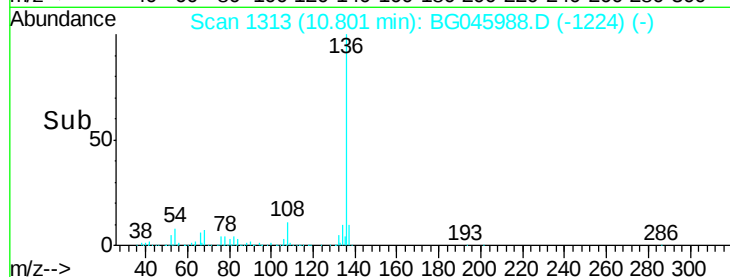
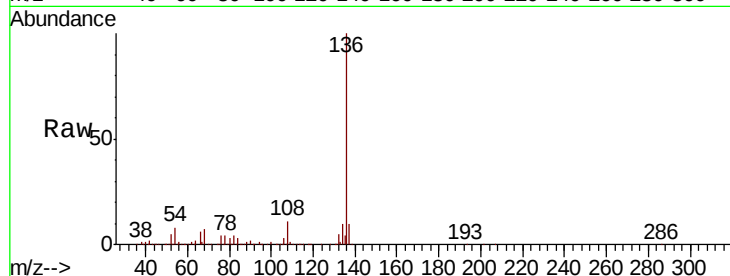




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG045988.D
Acq: 9 Jul 2020 9:43

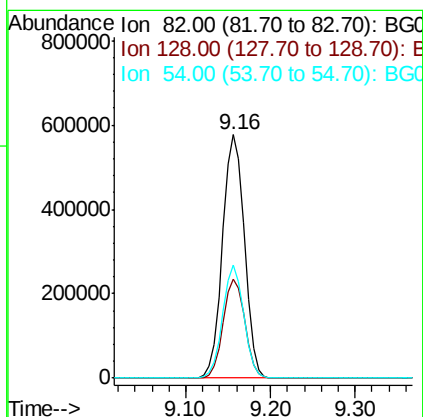
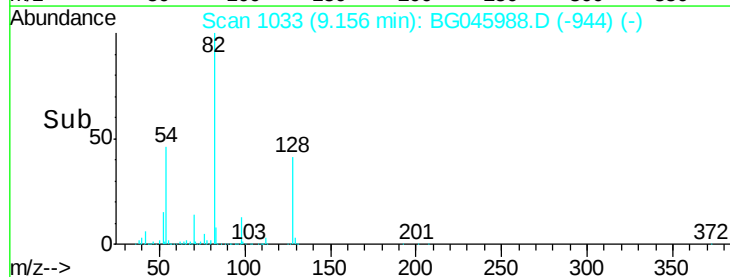
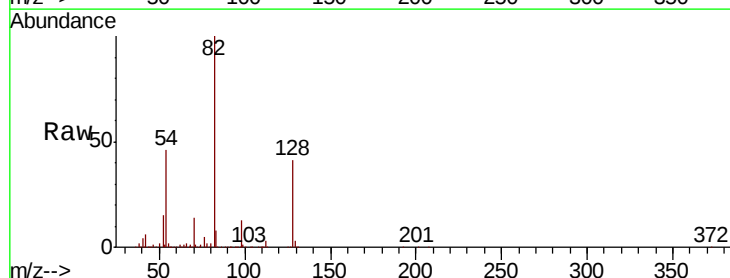
Instrument :
BNA_G
ClientSampleId :
PB129997BL

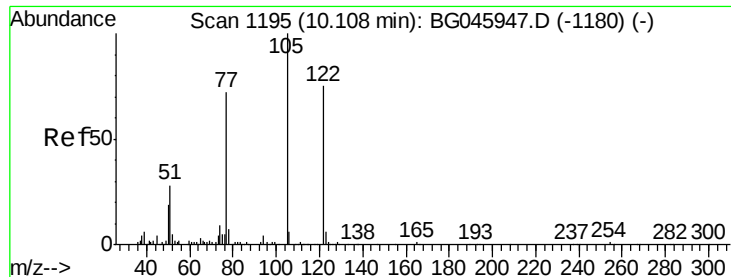
Tot Ion:136	Resp:	586608	
Ion Ratio	Lower	Upper	
136 100			
137 10.5	9.2	13.8	
54 8.2	6.2	9.4	
68 6.7	5.8	8.8	



#23
Nitrobenzene-d5
Concen: 101.440 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG045988.D
Acq: 9 Jul 2020 9:43

Tgt Ion: 82	Resp: 1033835
Ion Ratio	Lower Upper
82 100	
128 40.9	32.2 48.4
54 46.4	35.8 53.6

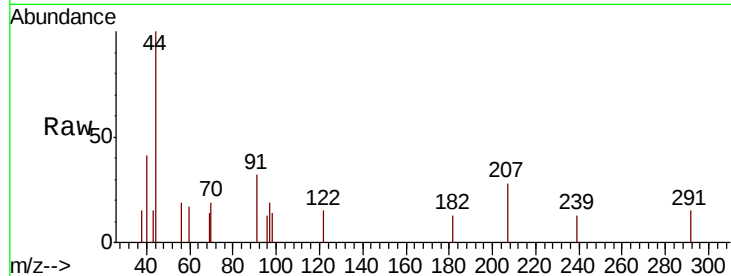




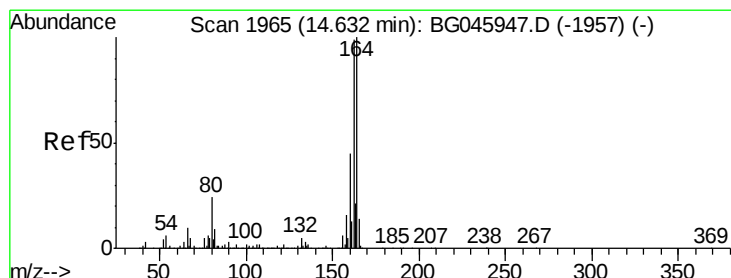
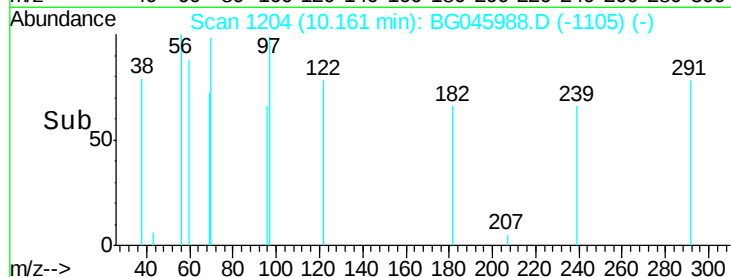
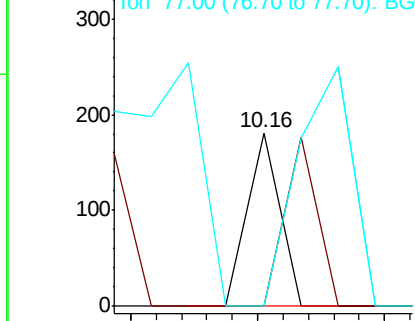
#32
Benzoic acid
Concen: 6.517 ng
RT: 10.16 min Scan# 1204
Delta R.T. 0.05 min
Lab File: BG045988.D
Acq: 9 Jul 2020 9:43

Instrument :
BNA_G
ClientSampleId :
PB129997BL

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

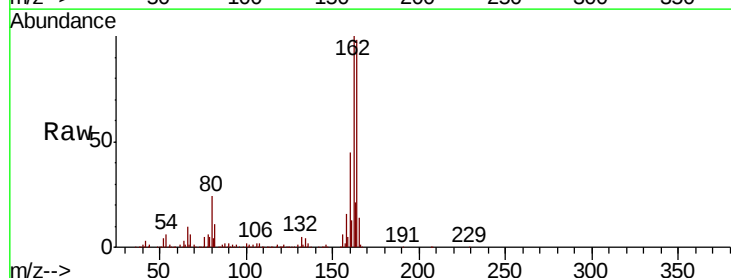


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

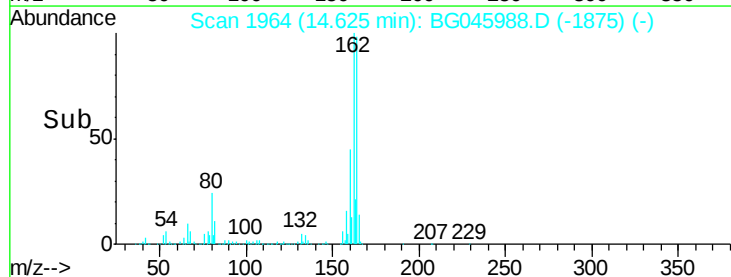
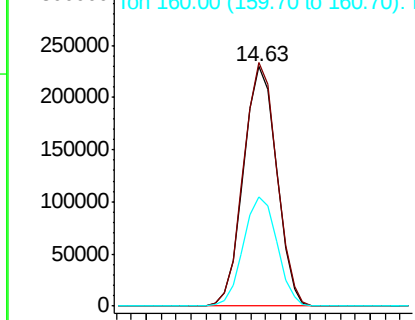


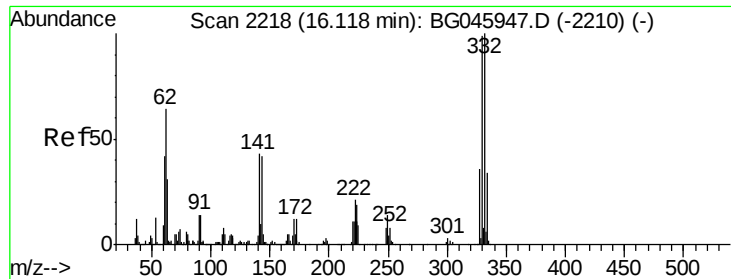
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG045988.D
Acq: 9 Jul 2020 9:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	79.3	118.9
160	45.7	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

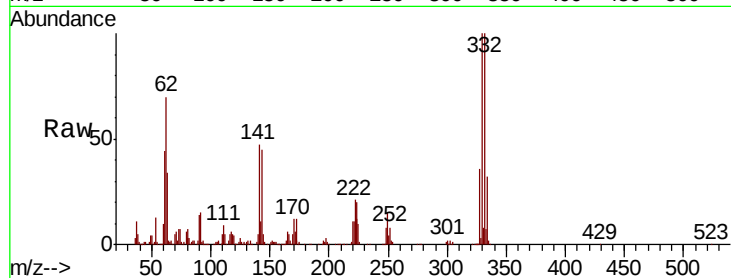




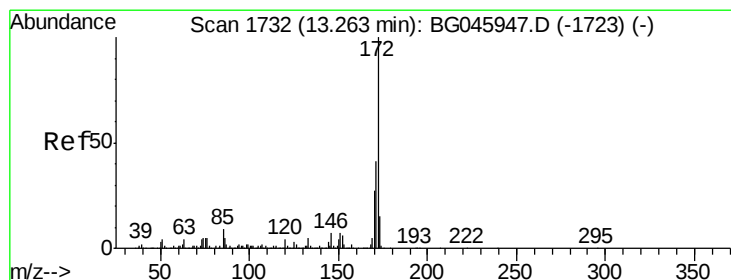
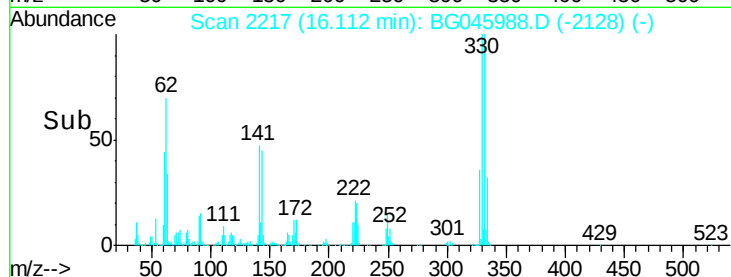
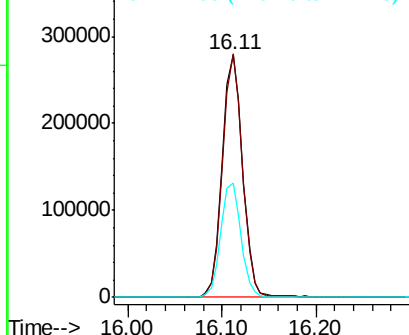
#42
 2,4,6-Tribromophenol
 Concen: 129.347 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BG045988.D
 Acq: 9 Jul 2020 9:43

Instrument :
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 PB129997BL

Tot Ion:330 Resp: 424377
 Ion Ratio Lower Upper
 330 100
 332 97.8 78.3 117.5
 141 46.7 36.6 54.8

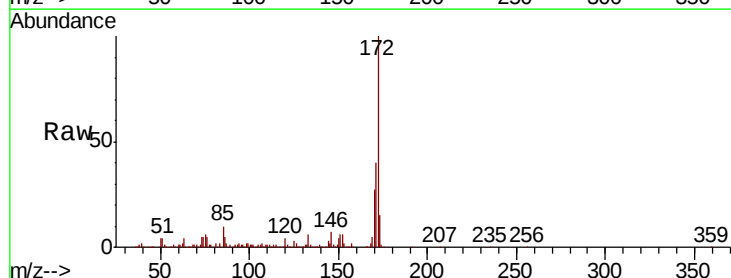


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

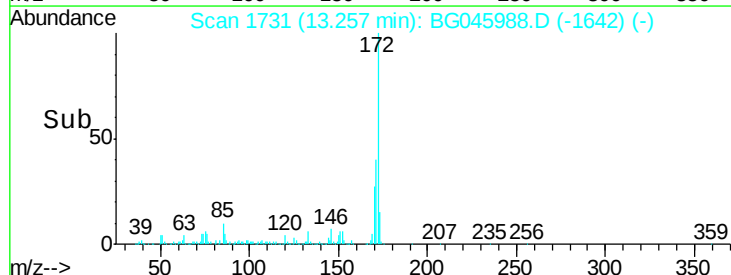
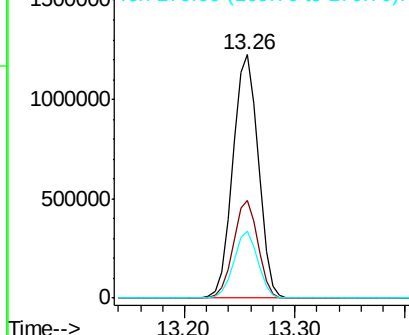


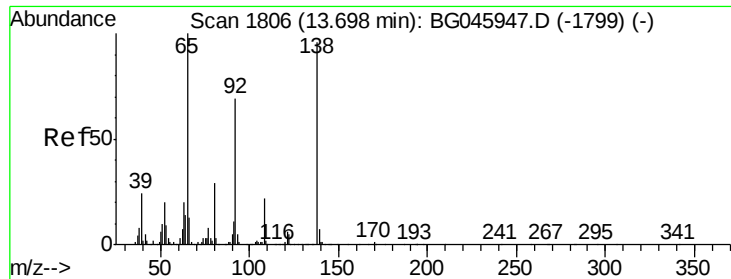
#45
 2-Fluorobiphenyl
 Concen: 87.320 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG045988.D
 Acq: 9 Jul 2020 9:43

Tgt Ion:172 Resp: 1978959
 Ion Ratio Lower Upper
 172 100
 171 40.3 32.9 49.3
 170 27.3 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 4.046 ng

RT: 13.26 min Scan# 1731

Delta R.T. -0.44 min

Lab File: BG045988.D

Acq: 9 Jul 2020 9:43

Instrument :

BNA_G

ClientSampleId :

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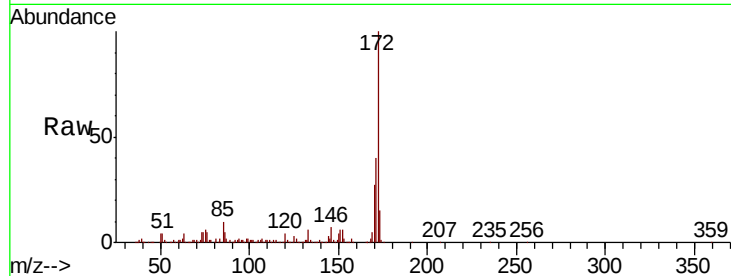
Tot Ion: 65 Resp: 4279

Ion Ratio Lower Upper

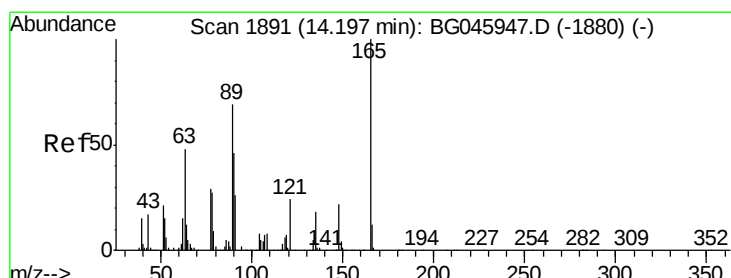
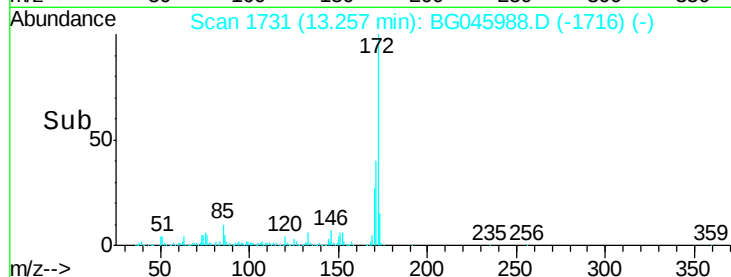
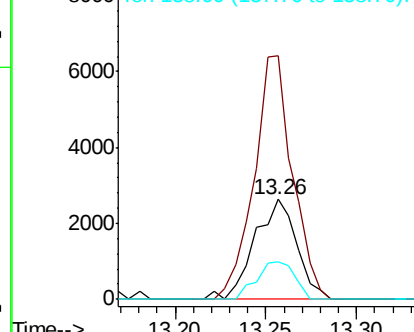
65 100

92 243.0 55.4 83.0#

138 37.4 77.0 115.4#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 12.310 ng

RT: 14.63 min Scan# 1964

Delta R.T. 0.43 min

Lab File: BG045988.D

Acq: 9 Jul 2020 9:43

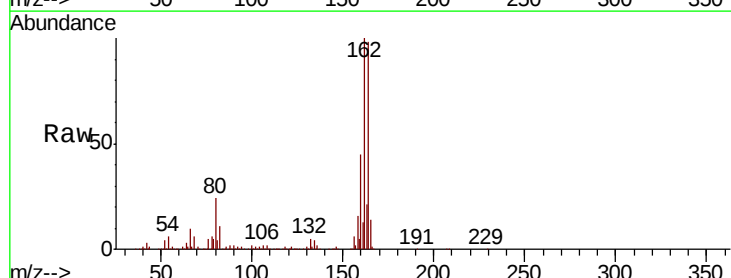
Tgt Ion:165 Resp: 45867

Ion Ratio Lower Upper

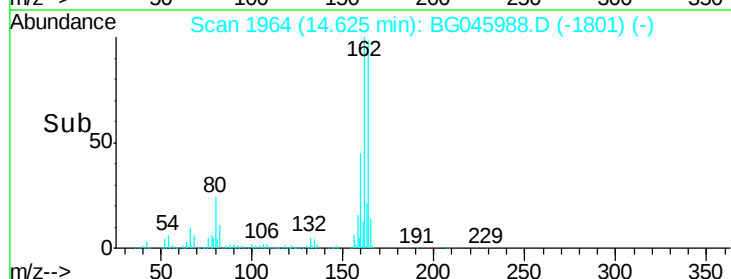
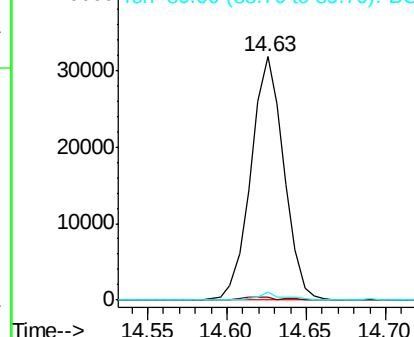
165 100

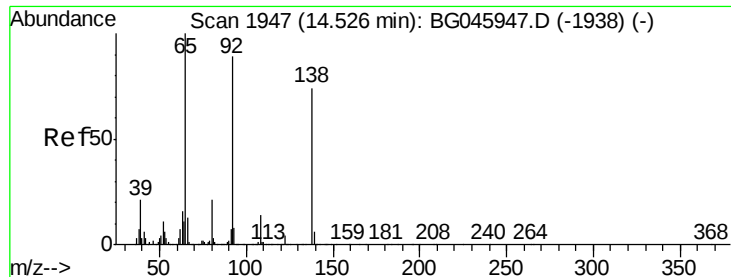
63 1.0 51.0 76.4#

89 3.1 55.7 83.5#



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

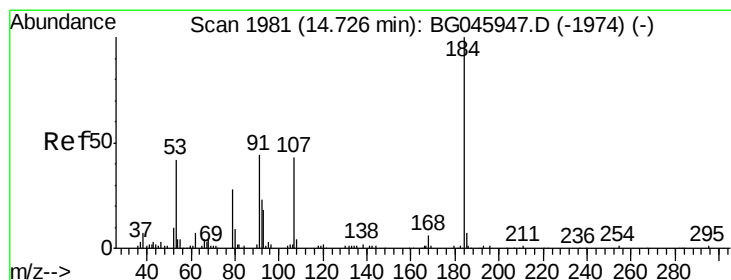
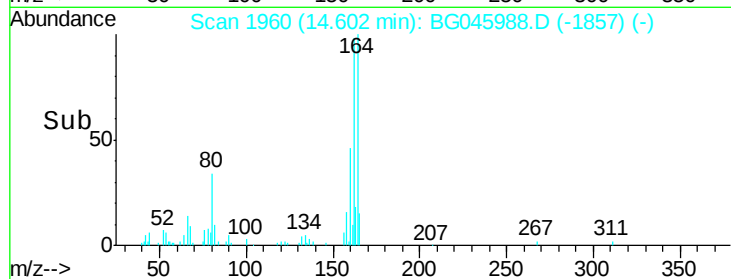
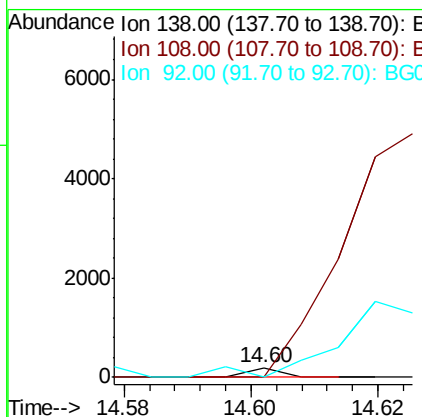
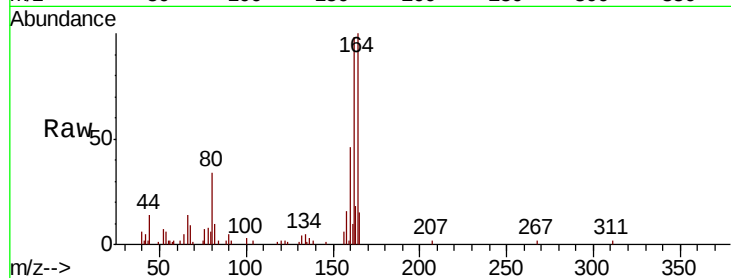




#53
3-Nitroaniline
Concen: 2.994 ng
RT: 14.60 min Scan# 1960
Delta R.T. 0.08 min
Lab File: BG045988.D
Acq: 9 Jul 2020 9:43

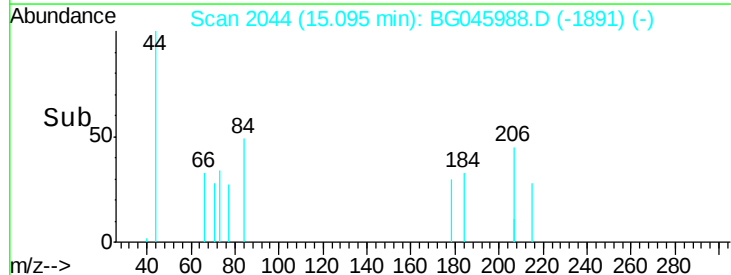
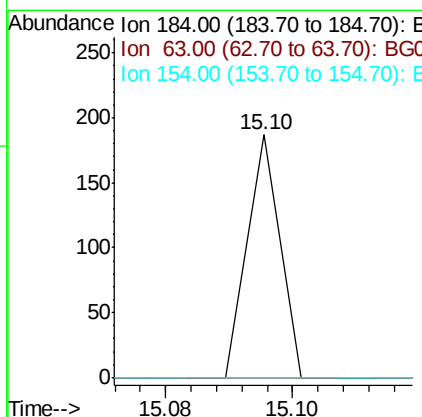
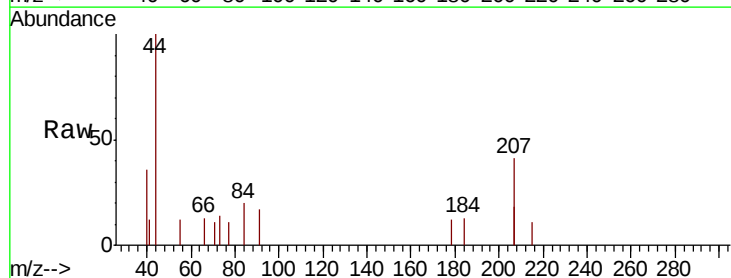
Instrument :
BNA_G
ClientSampleId :
PB129997BL

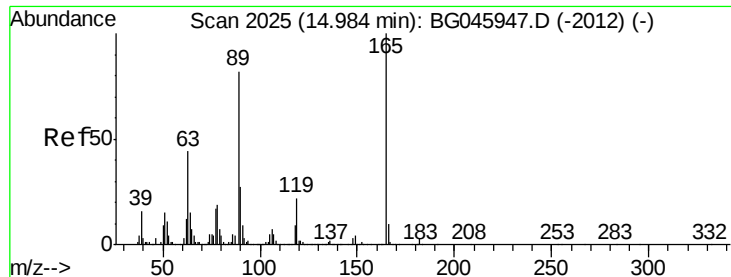
Tot Ion:138 Resp: 71
Ion Ratio Lower Upper
138 100
108 0.0 15.4 23.2#
92 0.0 95.9 143.9#



#54
2,4-Dinitrophenol
Concen: 6.145 ng
RT: 15.10 min Scan# 2044
Delta R.T. 0.37 min
Lab File: BG045988.D
Acq: 9 Jul 2020 9:43

Tgt Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 0.0 46.0 69.0#
154 0.0 58.2 87.2#

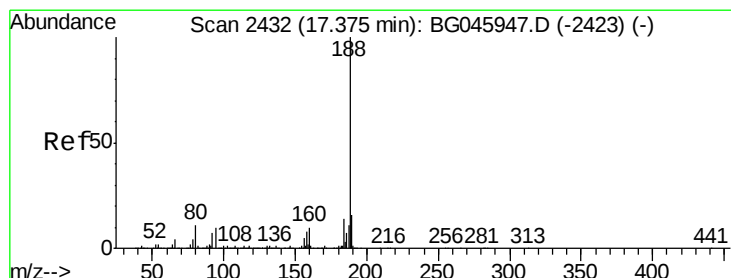
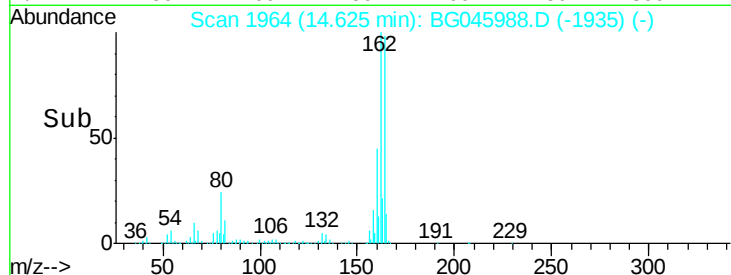
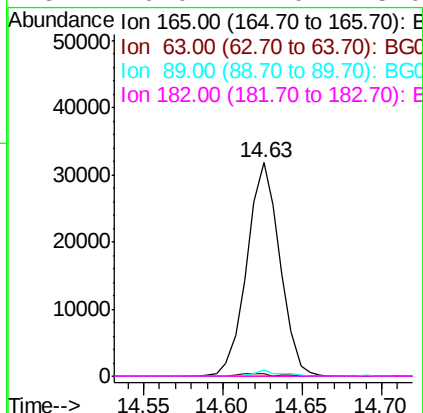
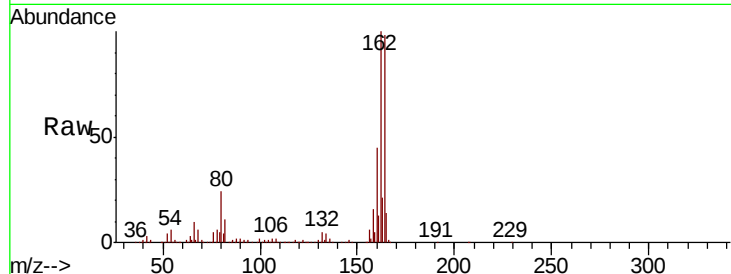




#57
 2,4-Dinitrotoluene
 Concen: 10.875 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.36 min
 Lab File: BG045988.D
 Acq: 9 Jul 2020 9:43

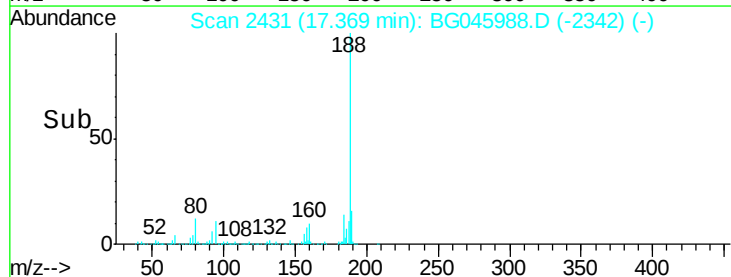
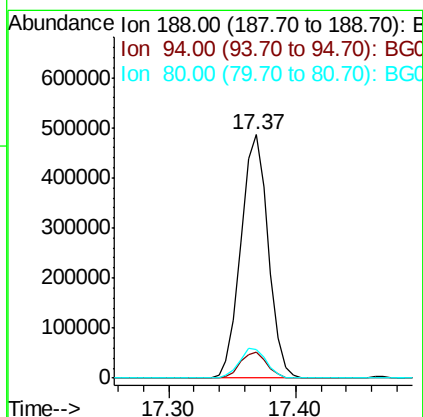
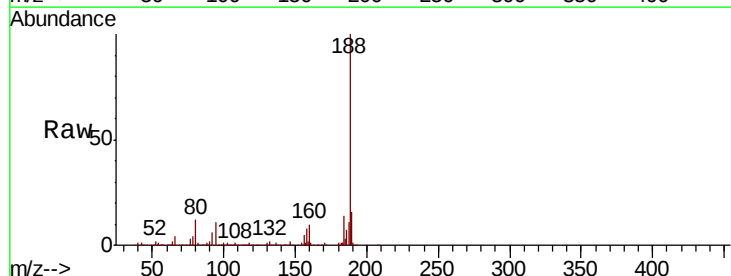
Instrument :
 BNA_G
 ClientSampleId :
 PB129997BL

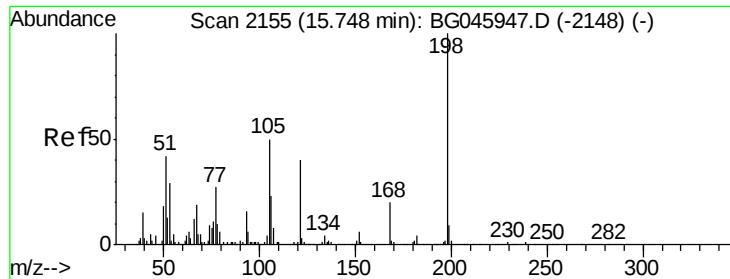
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	35.4	53.0#
89	3.1	65.4	98.2#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. -0.01 min
 Lab File: BG045988.D
 Acq: 9 Jul 2020 9:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.2	12.4
80	12.0	9.0	13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.451 ng

RT: 16.11 min Scan# 2216

Delta R.T. 0.36 min

Lab File: BG045988.D

Acq: 9 Jul 2020 9:43

Instrument :

BNA_G

ClientSampleId :

PB129997BL

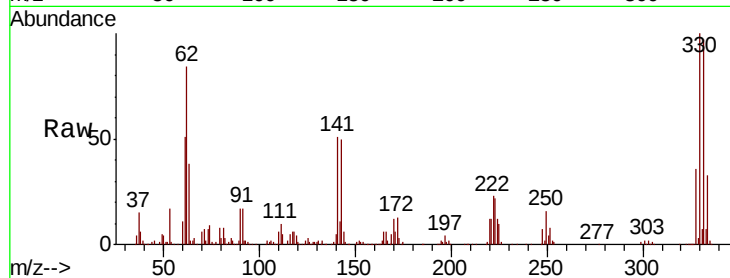
Tot Ion:198 Resp: 1923

Ion Ratio Lower Upper

198 100

51 120.4 24.5 64.5#

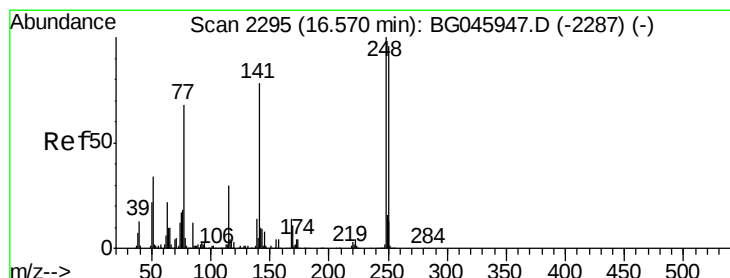
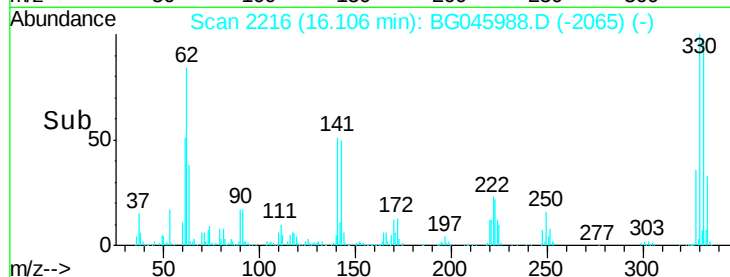
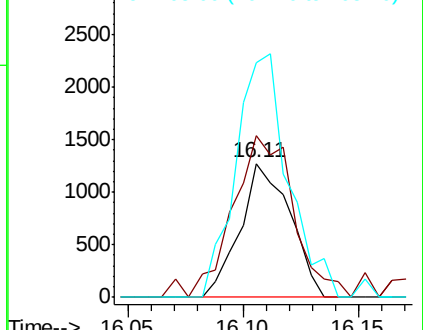
105 175.0 30.9 70.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.793 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.46 min

Lab File: BG045988.D

Acq: 9 Jul 2020 9:43

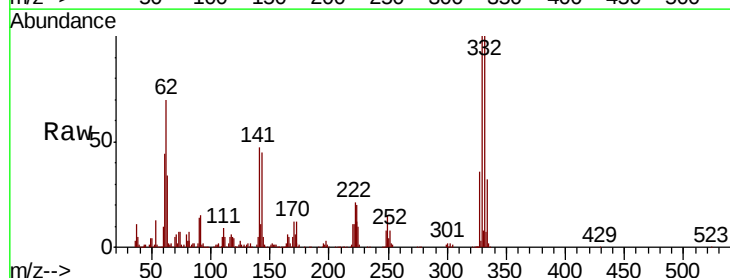
Tgt Ion:248 Resp: 30730

Ion Ratio Lower Upper

248 100

250 200.2 76.6 114.8#

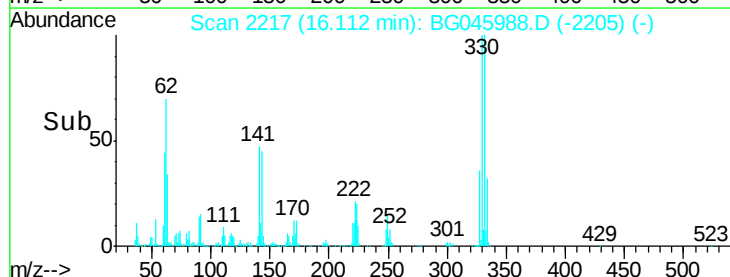
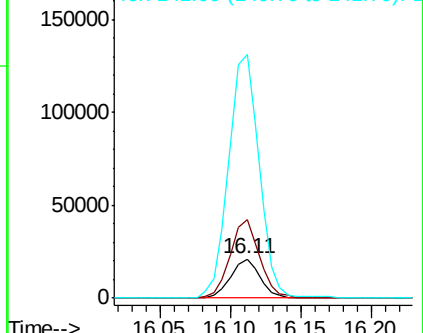
141 625.1 62.7 94.1#

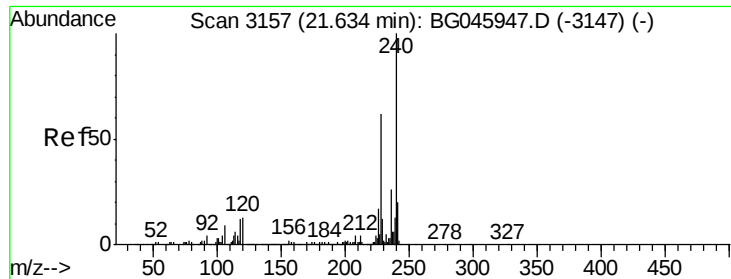


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG045988.D

Acq: 9 Jul 2020 9:43

Instrument :

BNA_G

ClientSampleId :

PB129997BL

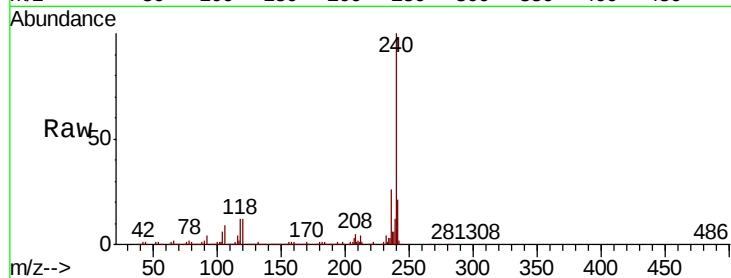
Tot Ion:240 Resp: 680099

Ion Ratio Lower Upper

240 100

120 12.2 10.6 16.0

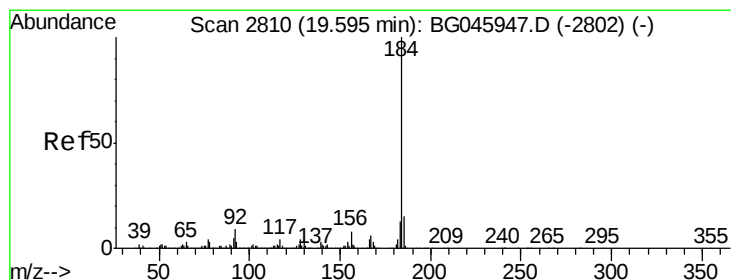
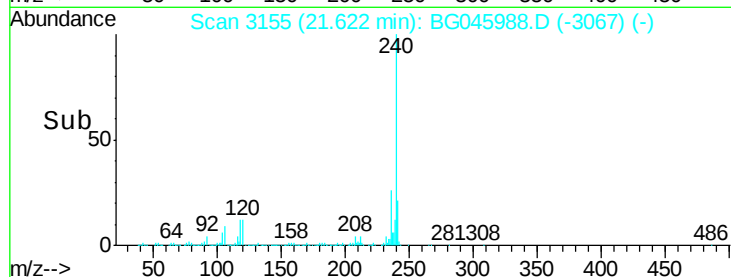
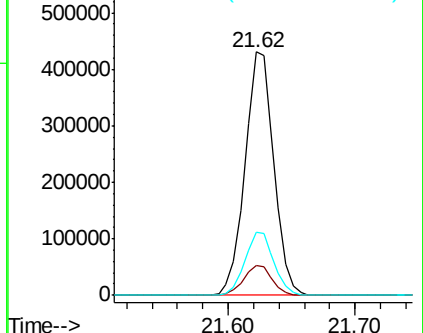
236 26.1 20.4 30.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 2.806 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.39 min

Lab File: BG045988.D

Acq: 9 Jul 2020 9:43

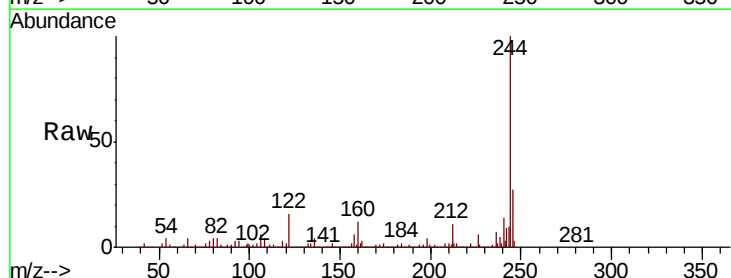
Tgt Ion:184 Resp: 54558

Ion Ratio Lower Upper

184 100

185 18.2 11.6 17.4#

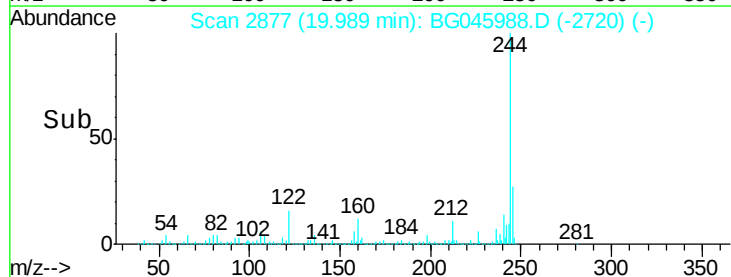
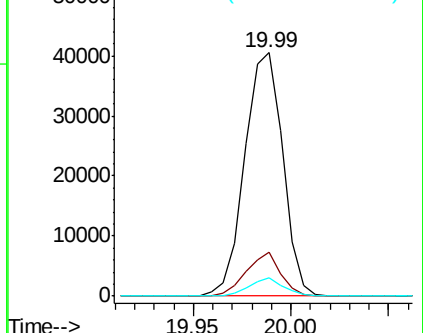
183 7.7 10.4 15.6#

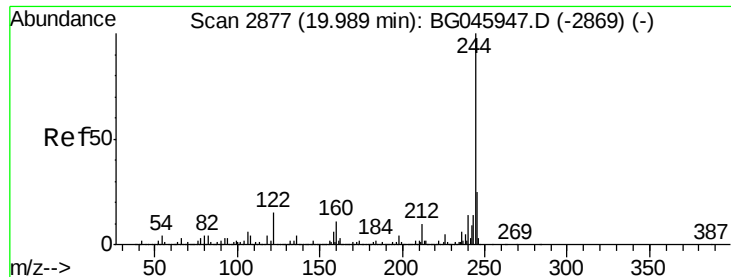


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 85.134 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045988.D

Acq: 9 Jul 2020 9:43

Instrument :

BNA_G

ClientSampleId :

PB129997BL

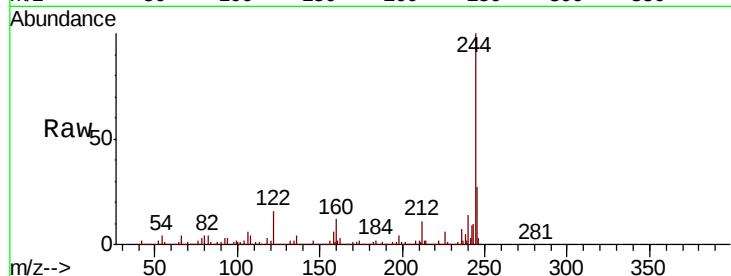
Tot Ion:244 Resp: 2601616

Ion	Ratio	Lower	Upper
244	100		
212	10.6	8.3	12.5
122	15.8	12.1	18.1

244 100

212 10.6 8.3 12.5

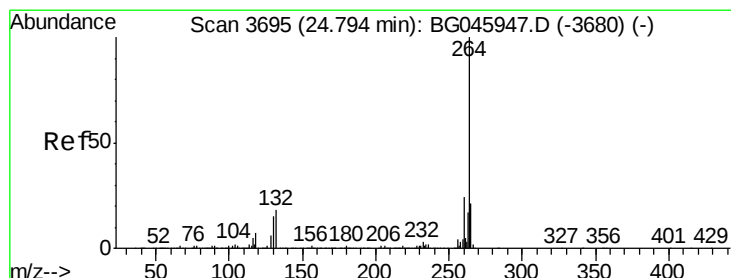
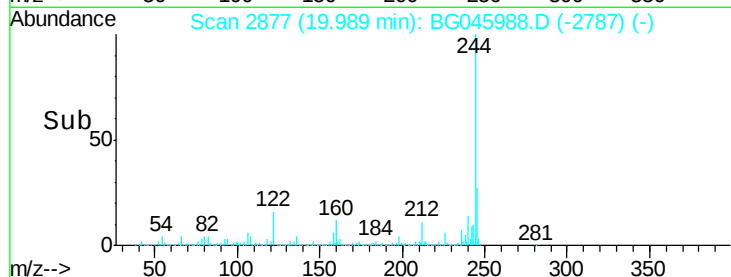
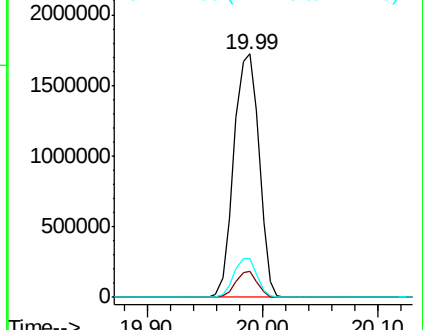
122 15.8 12.1 18.1



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# 3693

Delta R.T. -0.01 min

Lab File: BG045988.D

Acq: 9 Jul 2020 9:43

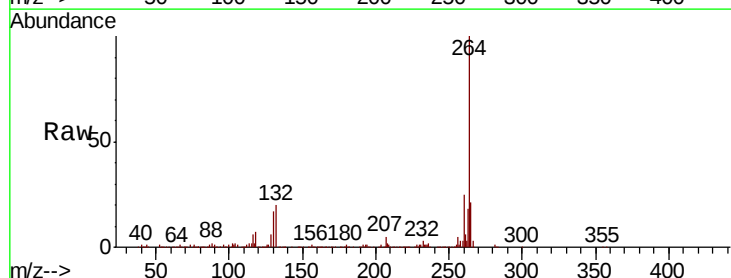
Tgt Ion:264 Resp: 662557

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.0	28.6
265	21.5	16.9	25.3

264 100

260 25.3 19.0 28.6

265 21.5 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

