

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
 Data File : BG046001.D
 Acq On : 10 Jul 2020 10:59
 Operator : CG/JU
 Sample : PB130037TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB130037TB

Quant Time: Jul 10 13:03:51 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	8.01	152	169908	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	690497	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	412986	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	834867	20.00	ng	0.00
76) Chrysene-d12	21.63	240	759797	20.00	ng	0.00
86) Perylene-d12	24.78	264	741668	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	1220587	116.50	ng	0.00
7) Phenol-d6	7.16	99	1689776	112.02	ng	0.00
23) Nitrobenzene-d5	9.16	82	1160012	96.70	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	462153	120.57	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2153950	81.35	ng	0.00
79) Terphenyl-d14	19.99	244	2802300	82.08	ng	0.00

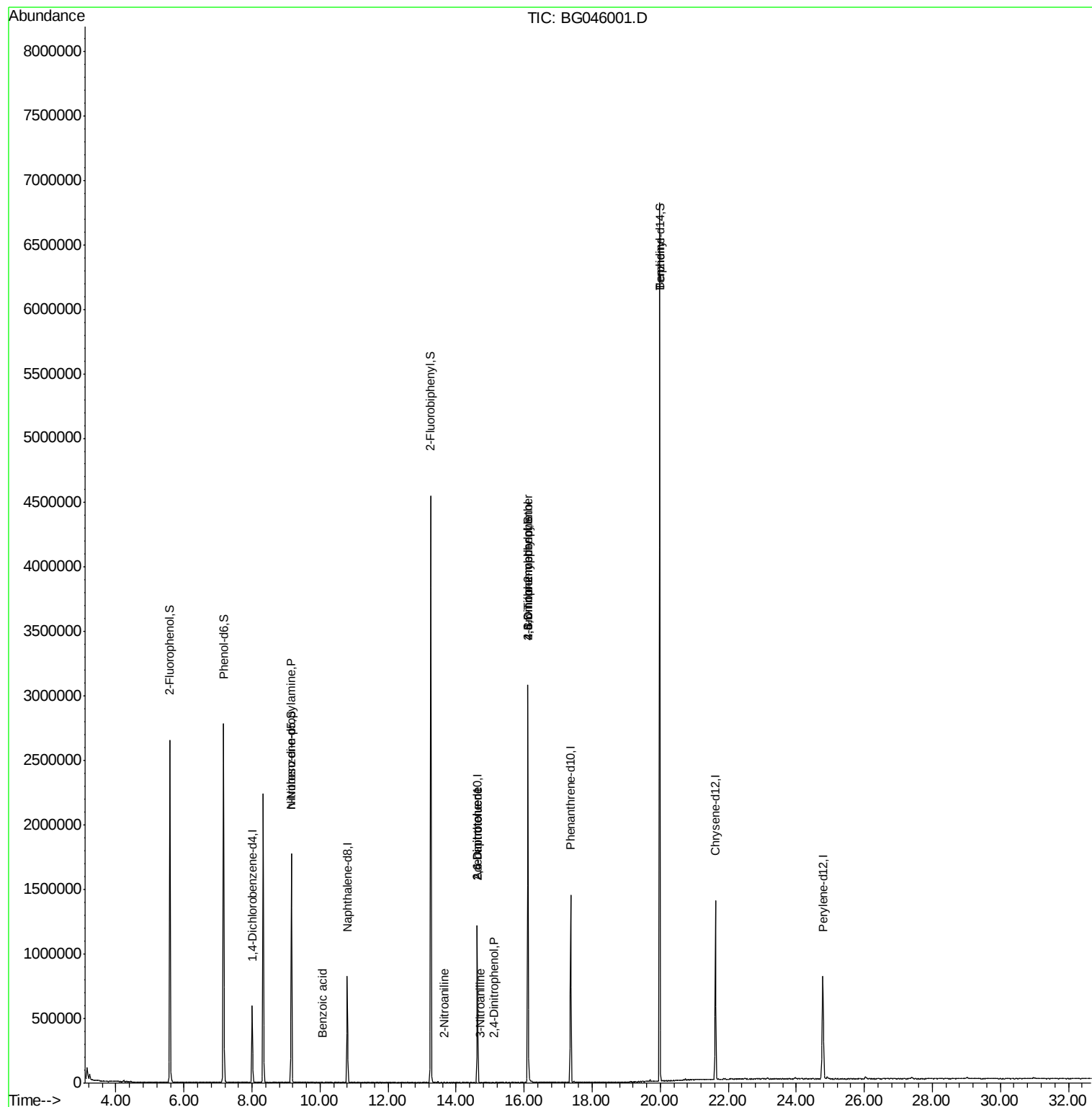
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.16	70	157430	14.856	ng	# 76
32) Benzoic acid	10.08	122	69	6.516	ng	# 1
48) 2-Nitroaniline	13.66	65	174	3.393	ng	# 7
51) 2,6-Dinitrotoluene	14.62	165	54930	12.536	ng	# 18
53) 3-Nitroaniline	14.72	138	90	2.995	ng	# 1
54) 2,4-Dinitrophenol	15.13	184	74	6.144	ng	# 17
57) 2,4-Dinitrotoluene	14.62	165	54930	11.049	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.11	198	2180	7.442	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	33945	3.640	ng	# 1
77) Benzidine	19.99	184	60215	2.772	ng	# 90

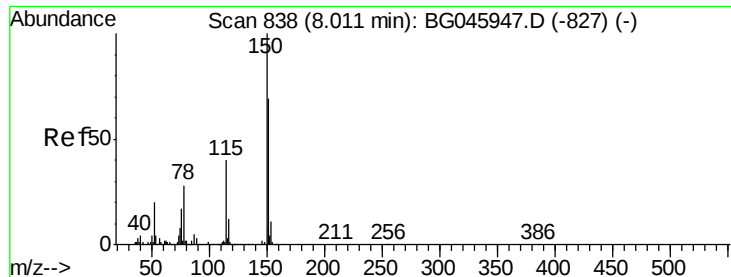
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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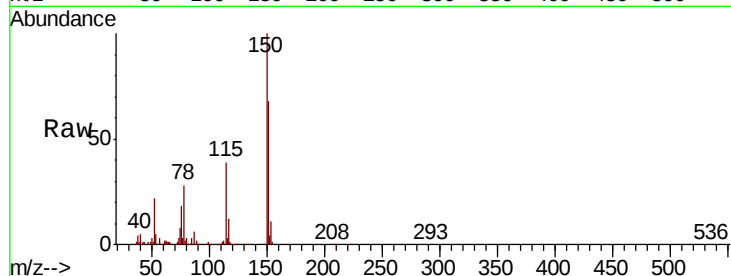


#1

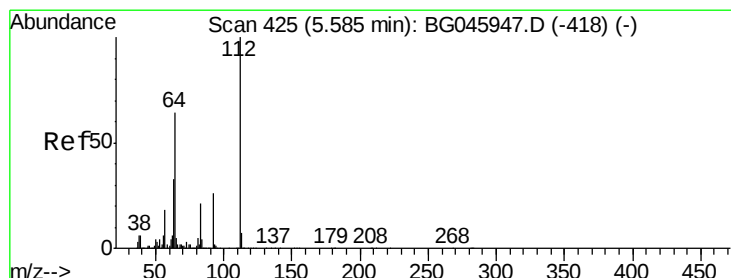
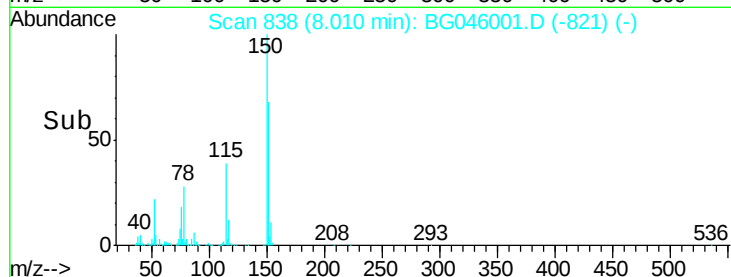
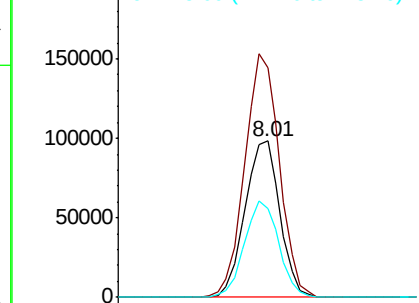
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG046001.D
Acq: 10 Jul 2020 10:59

Instrument :
BNA_G
ClientSampleId :
PB130037TB

Tot Ion:152 Resp: 169908
Ion Ratio Lower Upper
152 100
150 146.7 116.7 175.1
115 56.8 47.4 71.0



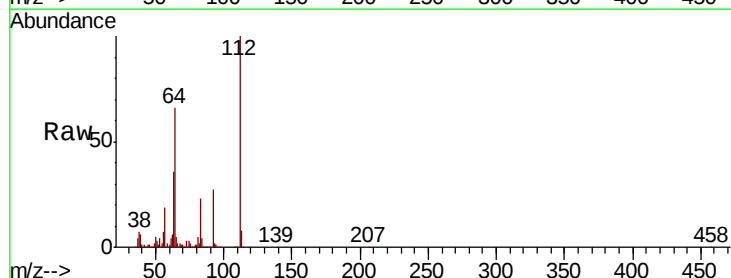
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



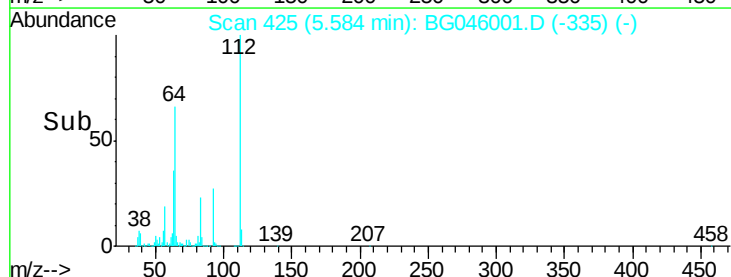
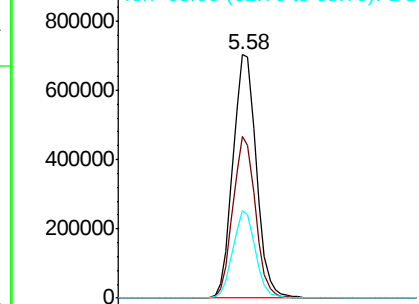
#5

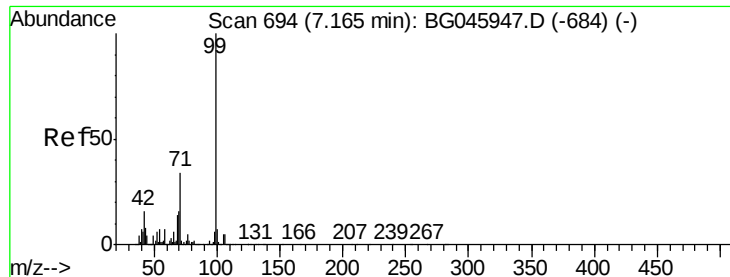
2-Fluorophenol
Concen: 116.497 ng
RT: 5.58 min Scan# 425
Delta R.T. -0.00 min
Lab File: BG046001.D
Acq: 10 Jul 2020 10:59

Tgt Ion:112 Resp: 1220587
Ion Ratio Lower Upper
112 100
64 66.5 51.4 77.2
63 35.9 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: 112.021 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG046001.D

Acq: 10 Jul 2020 10:59

Instrument :

BNA_G

ClientSampleId :

PB130037TB

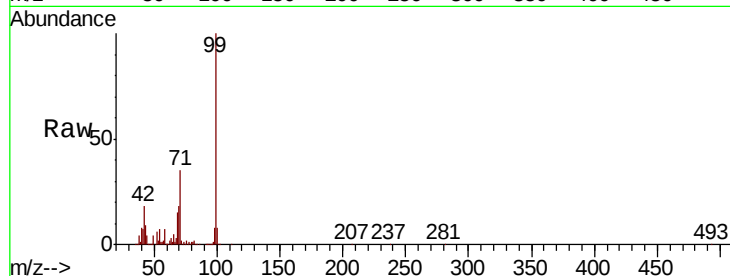
Tot Ion: 99 Resp: 1689776

Ion Ratio Lower Upper

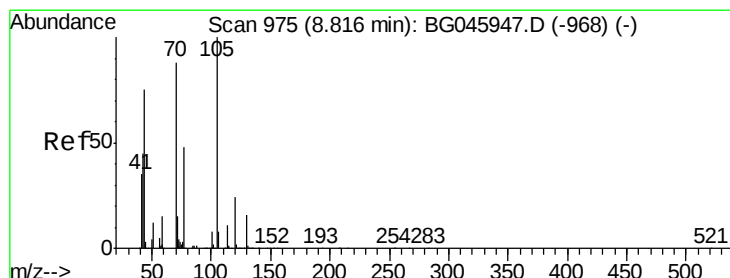
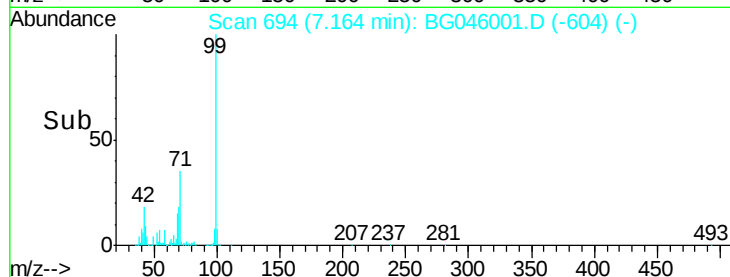
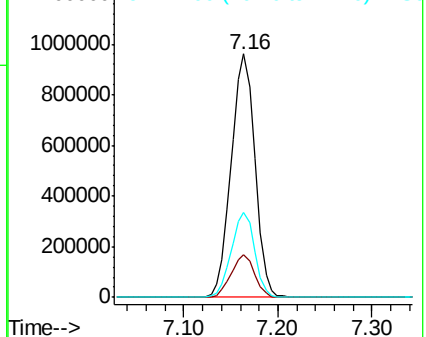
99 100

42 17.8 13.0 19.4

71 34.7 27.5 41.3



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: 14.856 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.34 min

Lab File: BG046001.D

Acq: 10 Jul 2020 10:59

Tgt Ion: 70 Resp: 157430

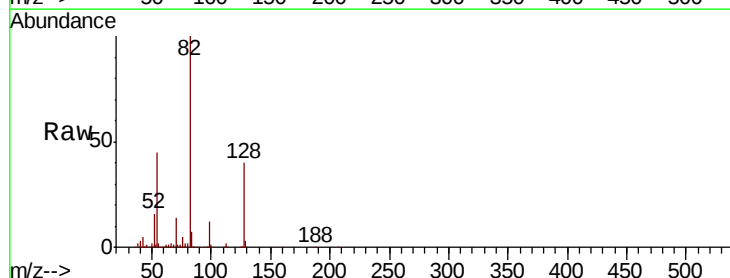
Ion Ratio Lower Upper

70 100

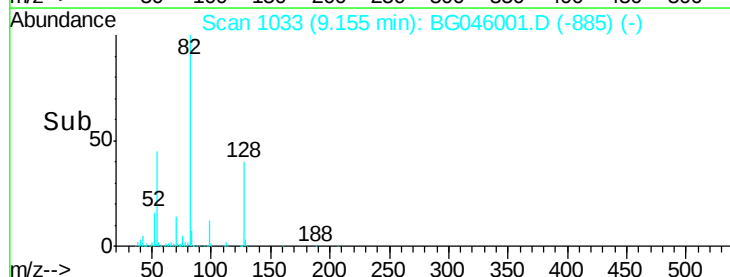
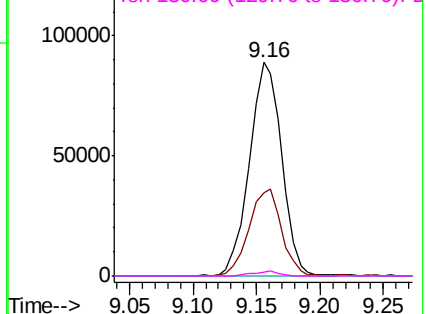
42 39.0 41.4 62.0#

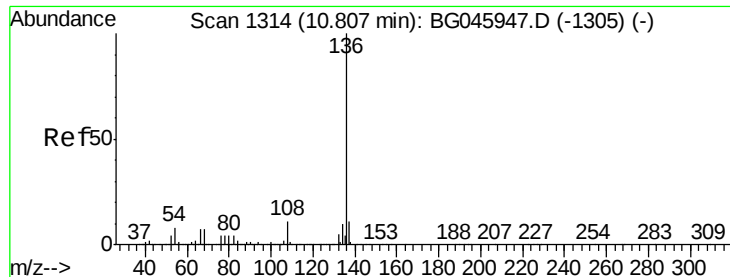
101 0.0 7.1 10.7#

130 1.7 14.9 22.3#



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

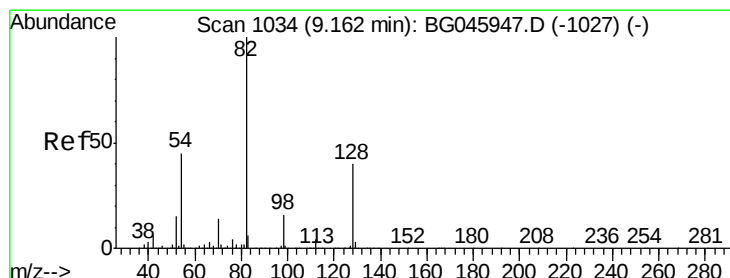
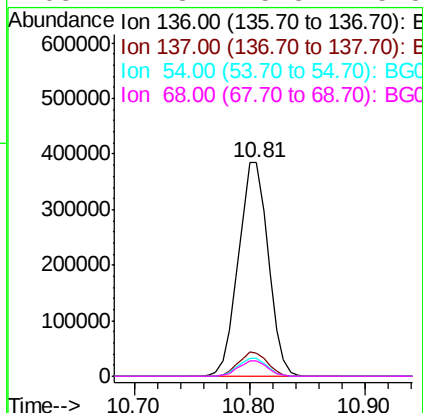
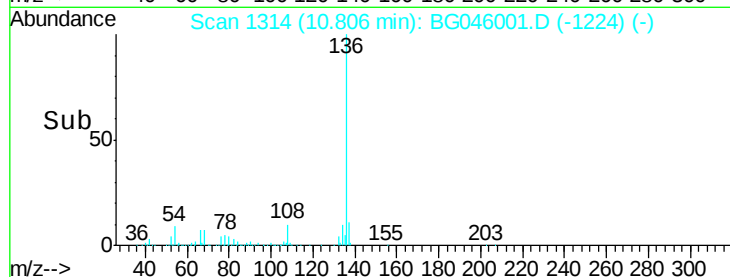
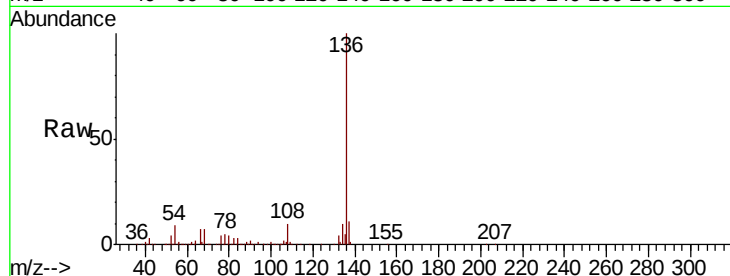




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG046001.D
Acq: 10 Jul 2020 10:59

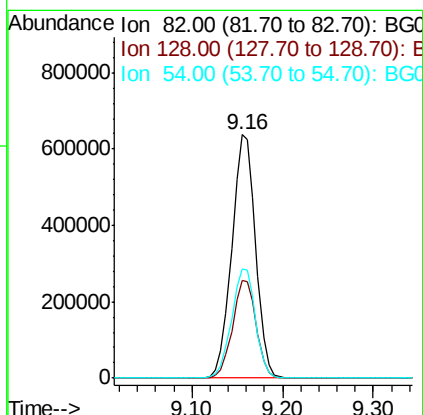
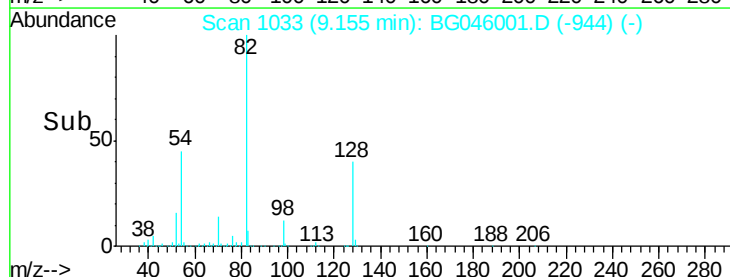
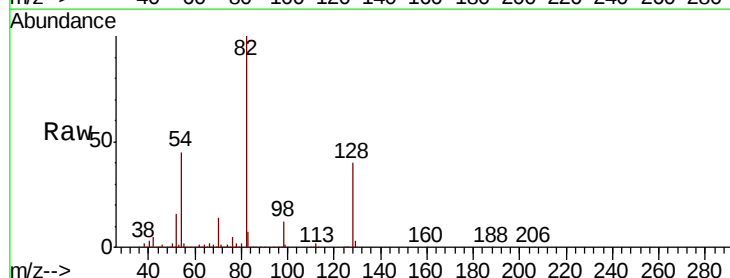
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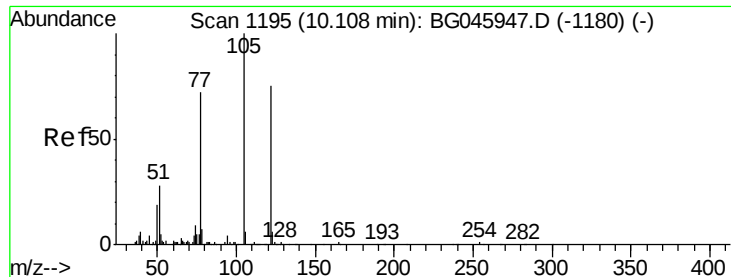
Tot Ion:136	Resp: 690497
Ion Ratio	Lower Upper
136 100	
137 10.9	9.2 13.8
54 8.6	6.2 9.4
68 7.3	5.8 8.8



#23
Nitrobenzene-d5
Concen: 96.695 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG046001.D
Acq: 10 Jul 2020 10:59

Tgt Ion: 82	Resp: 1160012
Ion Ratio	Lower Upper
82 100	
128 40.4	32.2 48.4
54 44.7	35.8 53.6

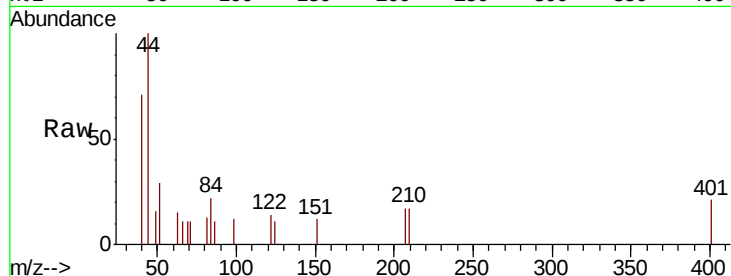




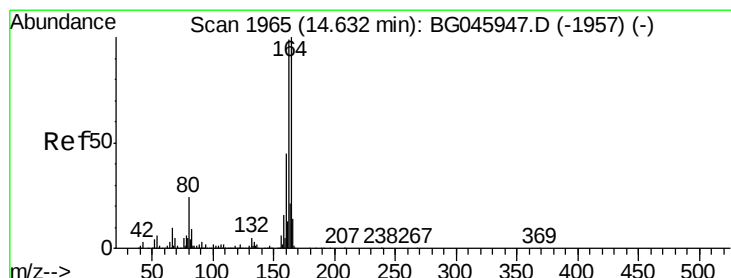
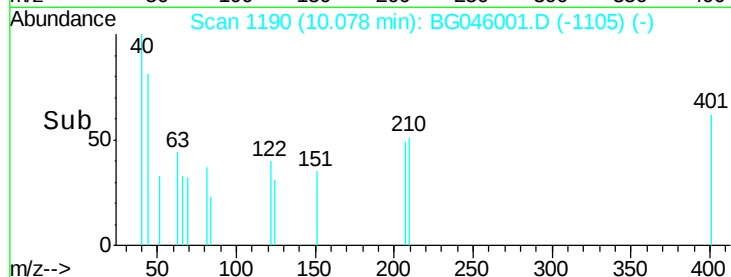
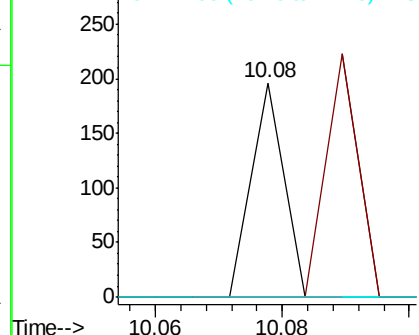
#32
Benzoic acid
Concen: 6.516 ng
RT: 10.08 min Scan# 1190
Delta R.T. -0.03 min
Lab File: BG046001.D
Acq: 10 Jul 2020 10:59

Instrument :
BNA_G
ClientSampleId :
PB130037TB

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

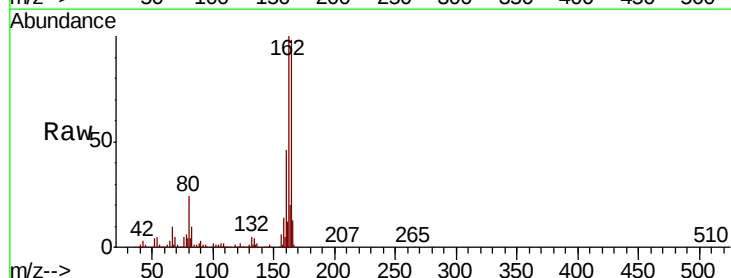


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

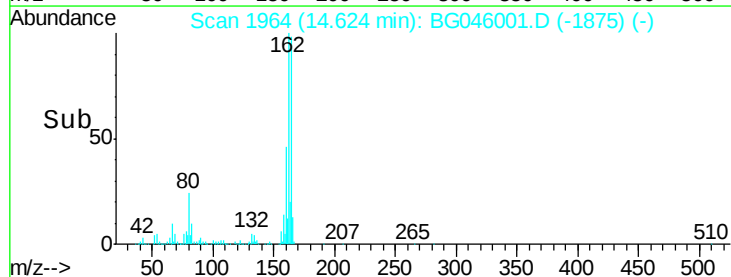
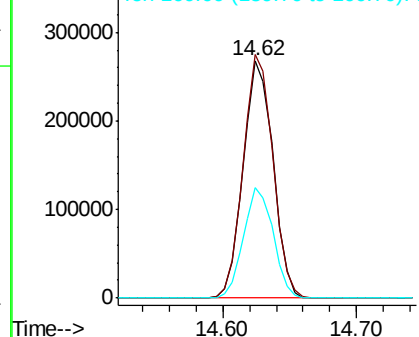


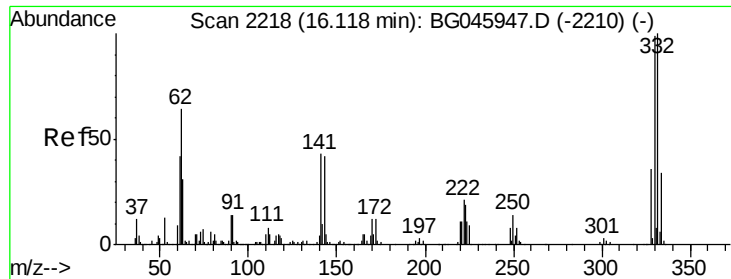
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG046001.D
Acq: 10 Jul 2020 10:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	79.3	118.9
160	46.6	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

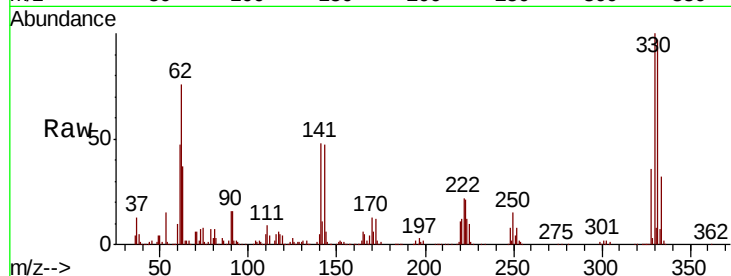




#42
2,4,6-Tribromophenol
Concen: 120.574 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BG046001.D
Acq: 10 Jul 2020 10:59

Instrument :
BNA_G
ClientSampleId :
PB130037TB

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.3	117.5
141	48.0	36.6	54.8

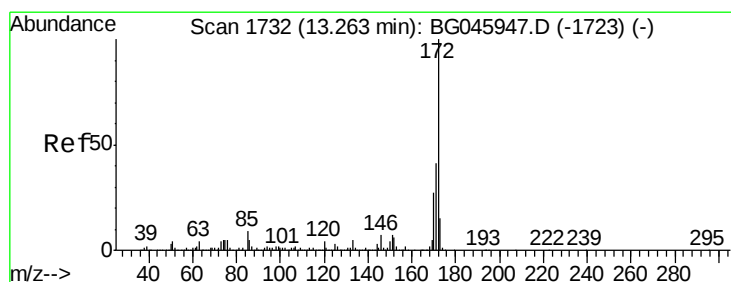
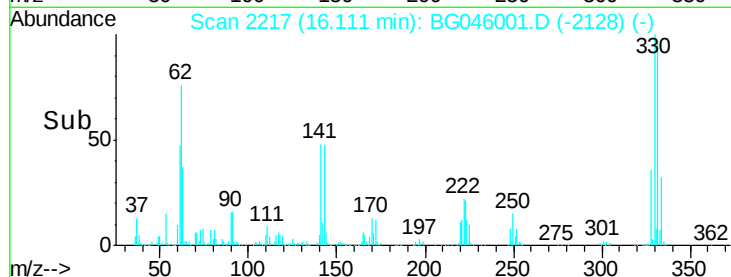
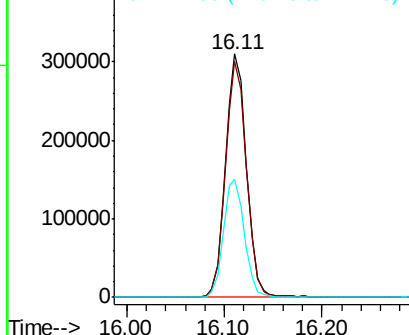


Abundance

Ion 329.80 (329.50 to 330.50): E

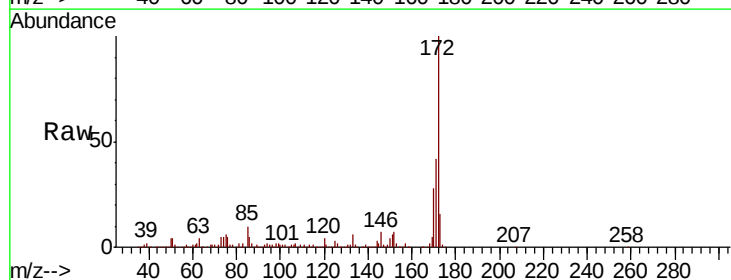
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 81.353 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG046001.D
Acq: 10 Jul 2020 10:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	42.2	32.9	49.3
170	28.2	21.8	32.6

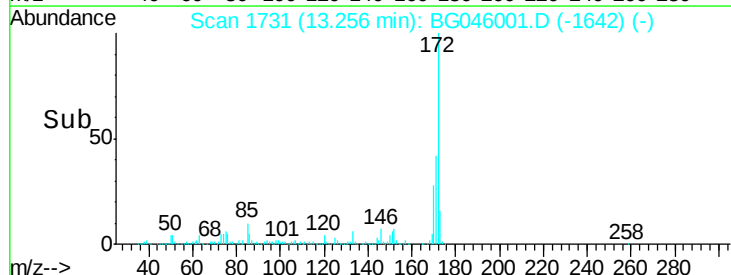
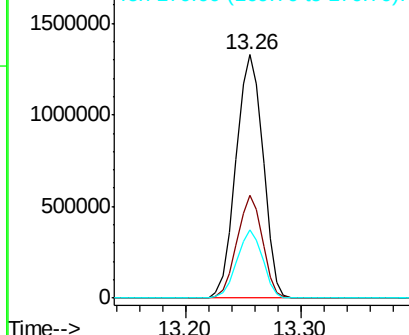


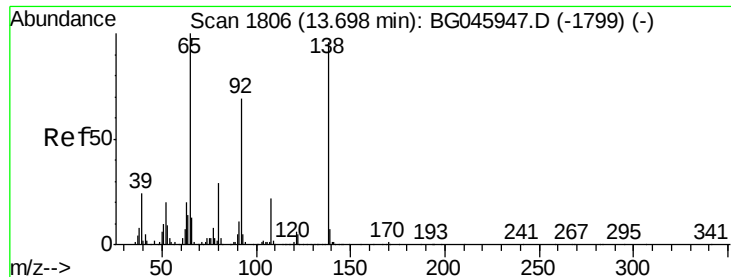
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

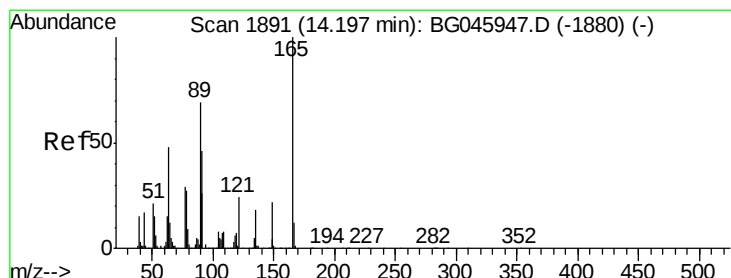
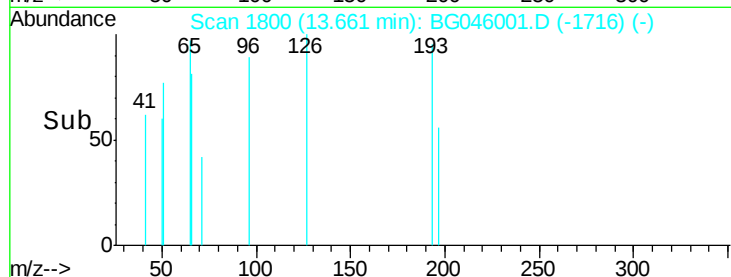
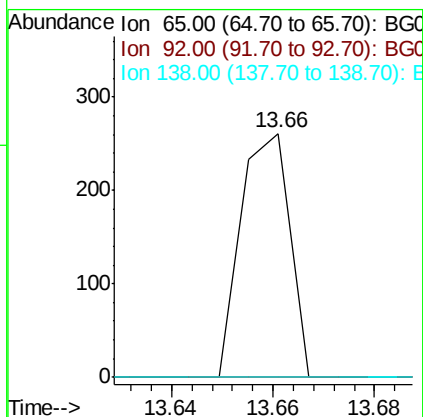
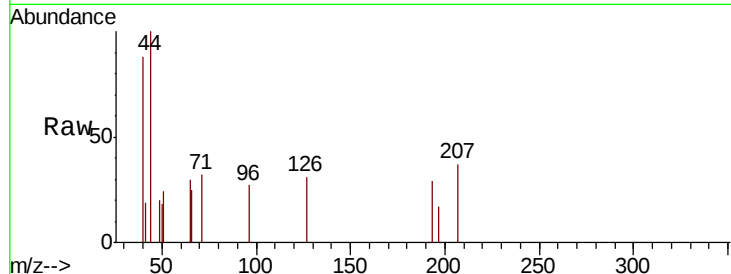




#48
2-Nitroaniline
Concen: 3.393 ng
RT: 13.66 min Scan# 1800
Delta R.T. -0.04 min
Lab File: BG046001.D
Acq: 10 Jul 2020 10:59

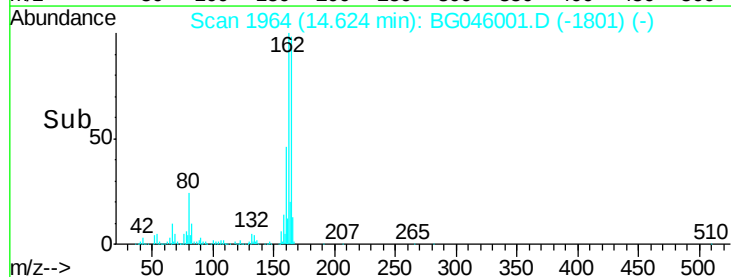
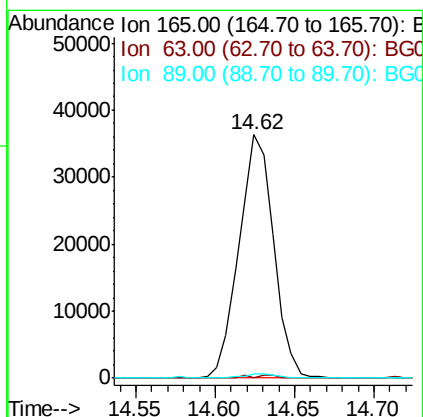
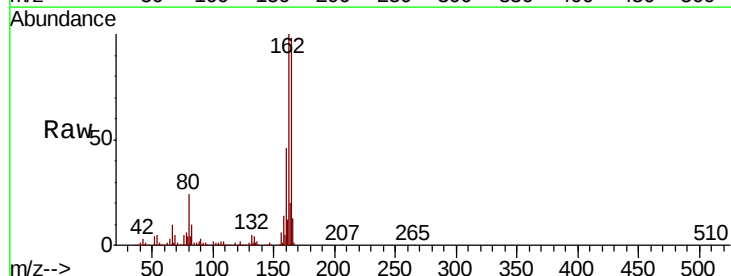
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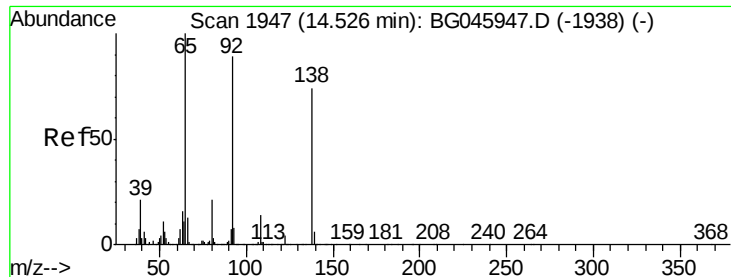
Tot Ion: 65 Resp: 174
Ion Ratio Lower Upper
65 100
92 0.0 55.4 83.0#
138 0.0 77.0 115.4#



#51
2,6-Dinitrotoluene
Concen: 12.536 ng
RT: 14.62 min Scan# 1964
Delta R.T. 0.43 min
Lab File: BG046001.D
Acq: 10 Jul 2020 10:59

Tgt Ion: 165 Resp: 54930
Ion Ratio Lower Upper
165 100
63 0.0 51.0 76.4#
89 1.9 55.7 83.5#





#53

3-Nitroaniline

Concen: 2.995 ng

RT: 14.72 min Scan# 1980

Delta R.T. 0.19 min

Lab File: BG046001.D

Acq: 10 Jul 2020 10:59

Instrument :

BNA_G

ClientSampleId :

PB130037TB

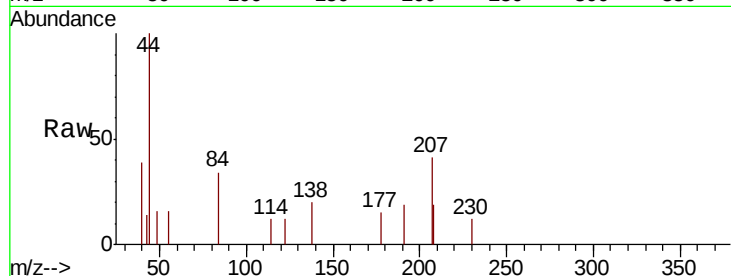
Tot Ion:138 Resp: 90

Ion Ratio Lower Upper

138 100

108 0.0 15.4 23.2#

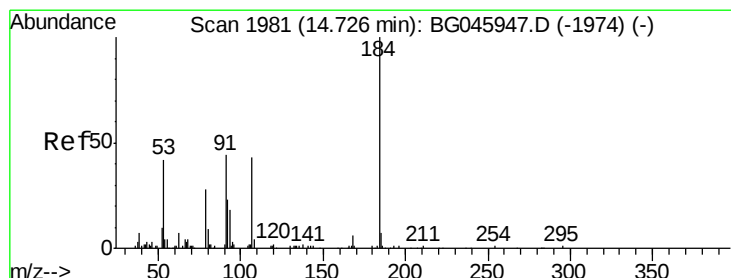
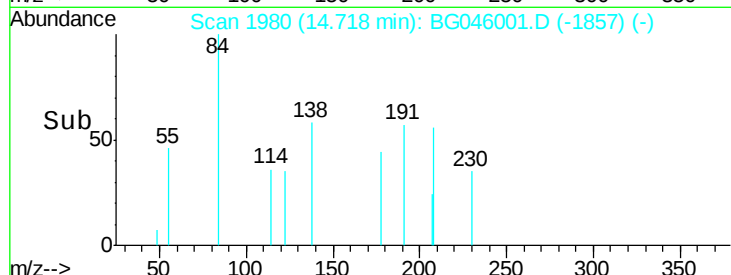
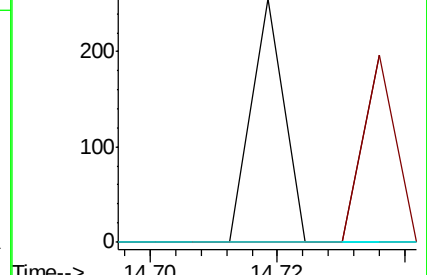
92 0.0 95.9 143.9#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 6.144 ng

RT: 15.13 min Scan# 2050

Delta R.T. 0.40 min

Lab File: BG046001.D

Acq: 10 Jul 2020 10:59

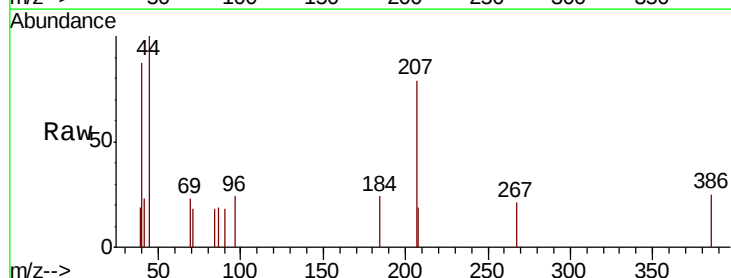
Tgt Ion:184 Resp: 74

Ion Ratio Lower Upper

184 100

63 0.0 46.0 69.0#

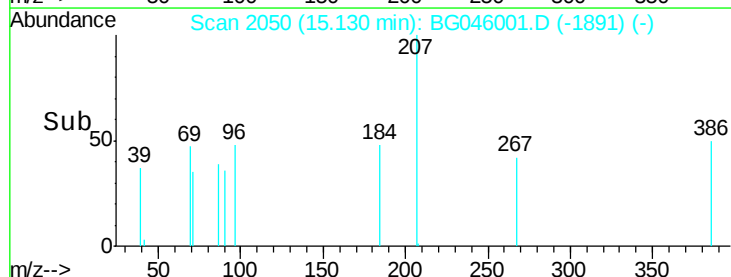
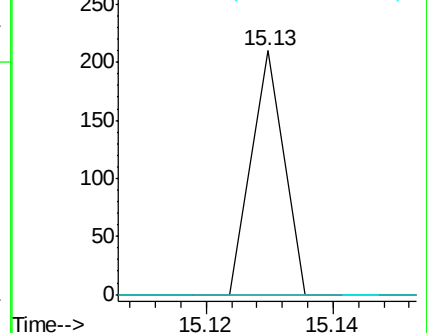
154 0.0 58.2 87.2#

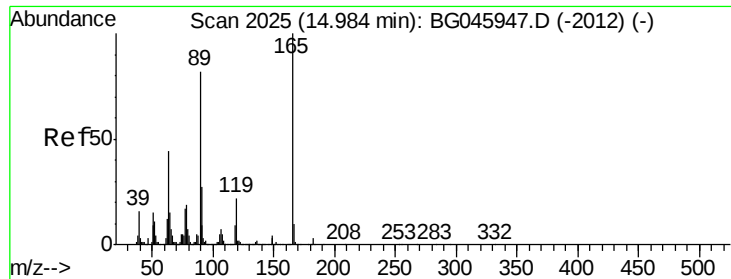


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

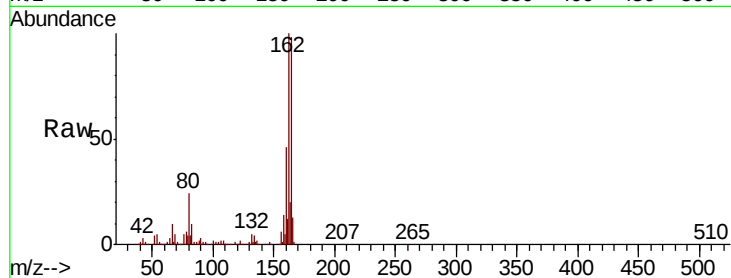




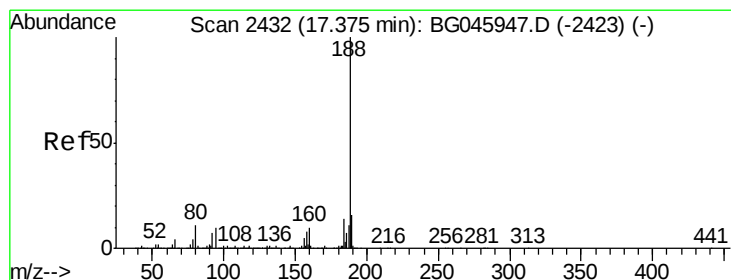
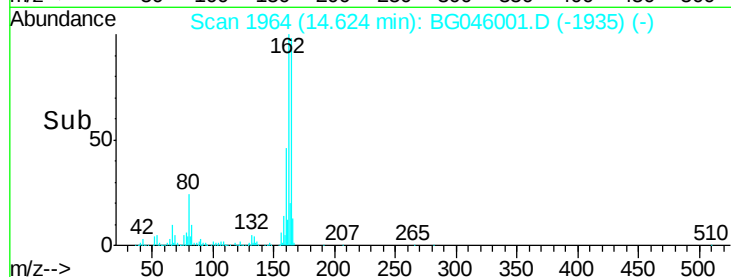
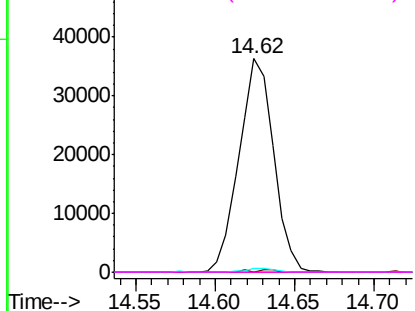
#57
2,4-Dinitrotoluene
Concen: 11.049 ng
RT: 14.62 min Scan# 1964
Delta R.T. -0.36 min
Lab File: BG046001.D
Acq: 10 Jul 2020 10:59

Instrument :
BNA_G
ClientSampleId :
PB130037TB

Tot Ion:165 Resp: 54930
Ion Ratio Lower Upper
165 100
63 0.0 35.4 53.0#
89 1.9 65.4 98.2#
182 0.0 2.0 3.0#

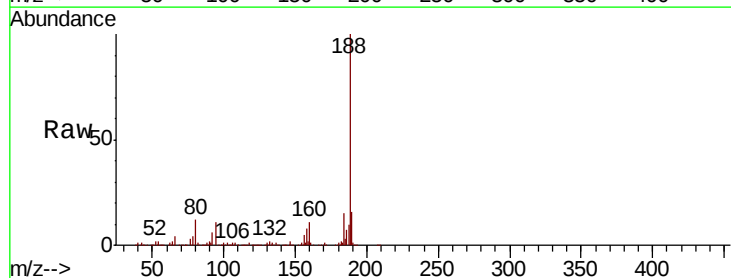


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

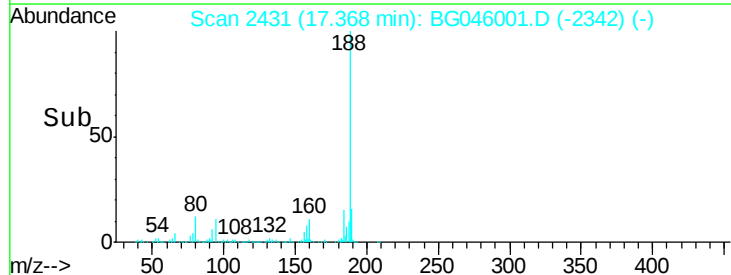
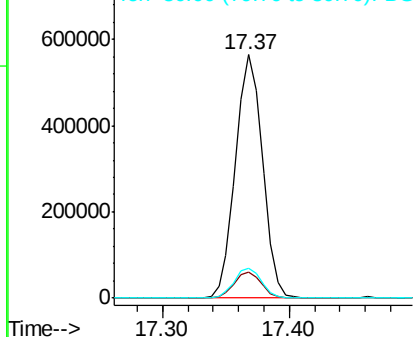


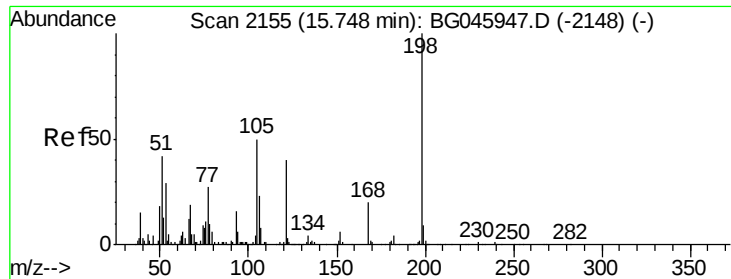
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG046001.D
Acq: 10 Jul 2020 10:59

Tgt Ion:188 Resp: 834867
Ion Ratio Lower Upper
188 100
94 10.6 8.2 12.4
80 12.1 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

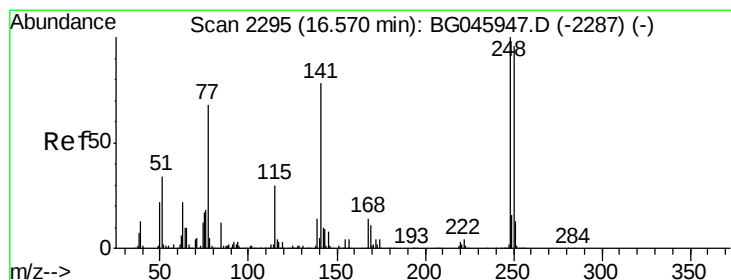
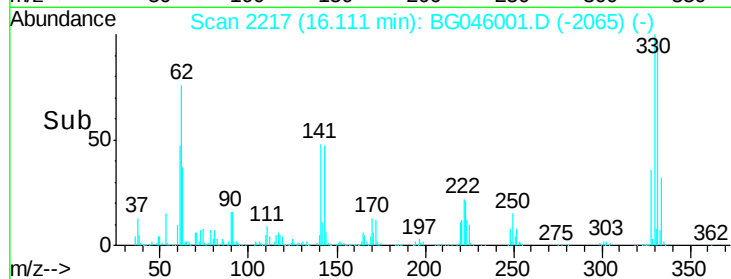
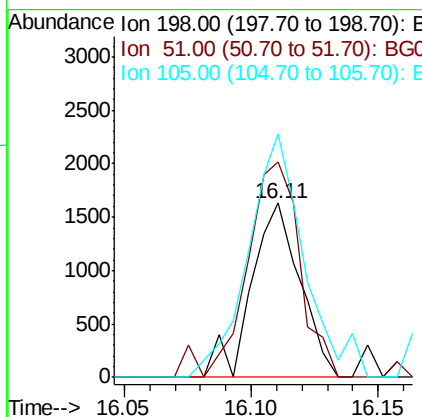
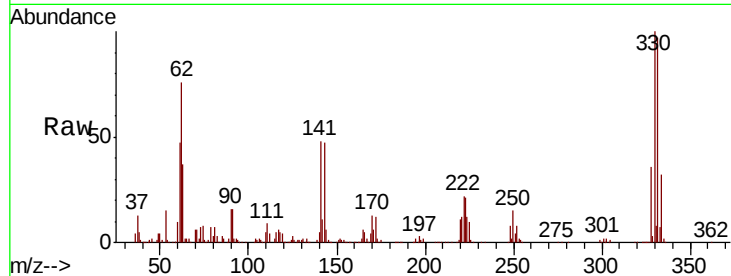




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.442 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. 0.36 min
 Lab File: BG046001.D
 Acq: 10 Jul 2020 10:59

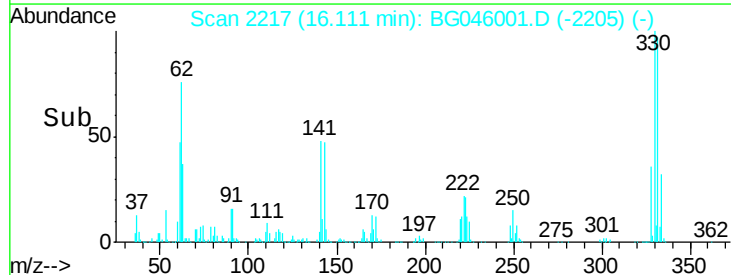
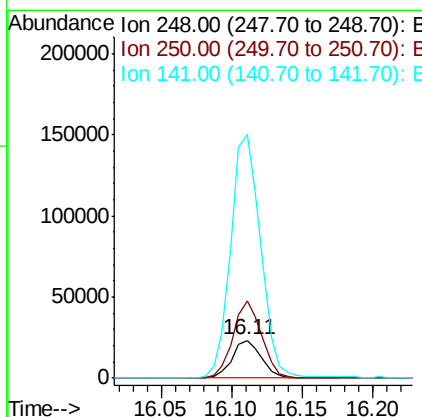
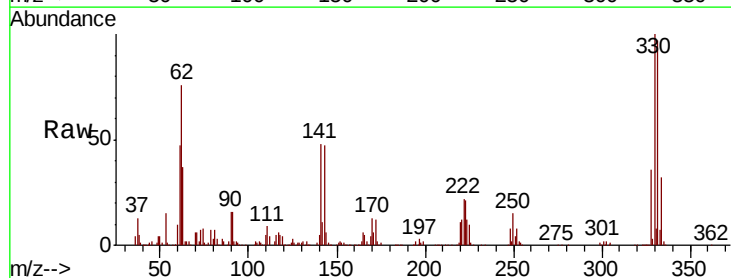
Instrument :
 BNA_G
 ClientSampleId :
 PB130037TB

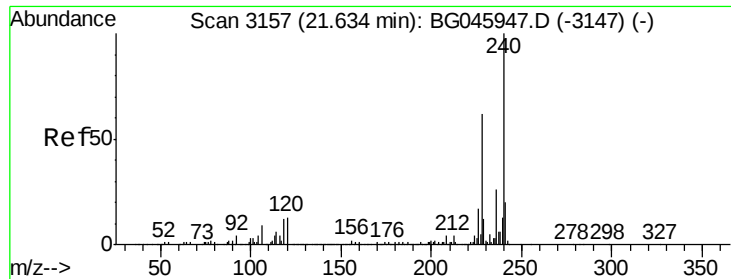
Tot Ion:198 Resp: 2180
 Ion Ratio Lower Upper
 198 100
 51 123.6 24.5 64.5#
 105 139.6 30.9 70.9#



#67
 4-Bromophenyl-phenylether
 Concen: 3.640 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.46 min
 Lab File: BG046001.D
 Acq: 10 Jul 2020 10:59

Tgt Ion:248 Resp: 33945
 Ion Ratio Lower Upper
 248 100
 250 203.3 76.6 114.8#
 141 643.0 62.7 94.1#

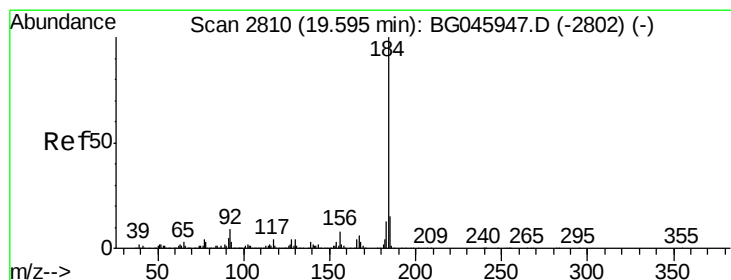
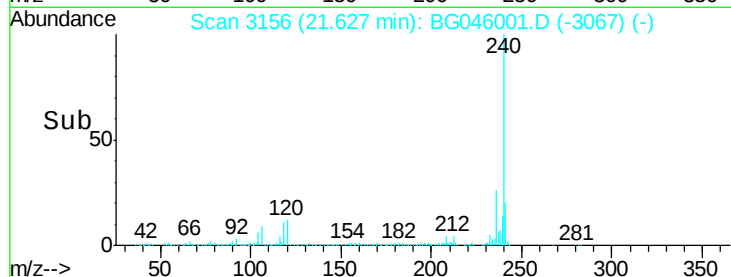
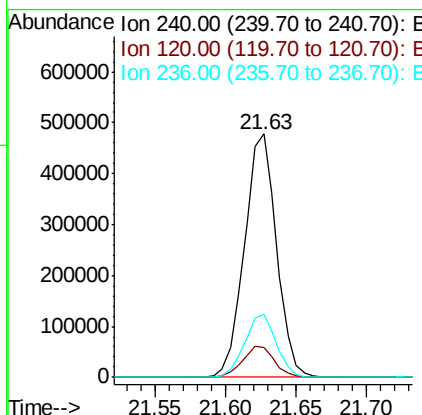
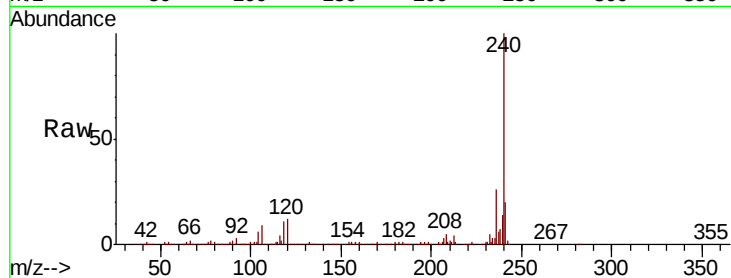




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG046001.D
Acq: 10 Jul 2020 10:59

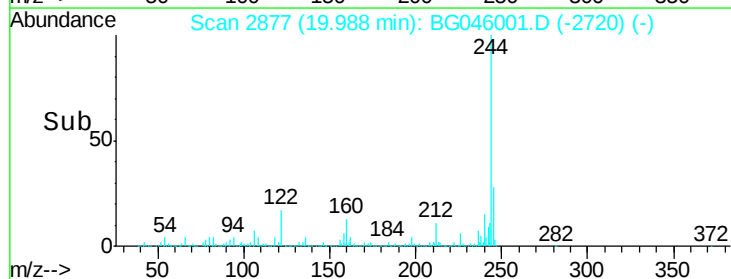
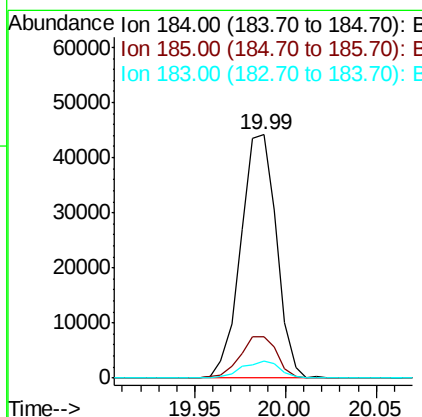
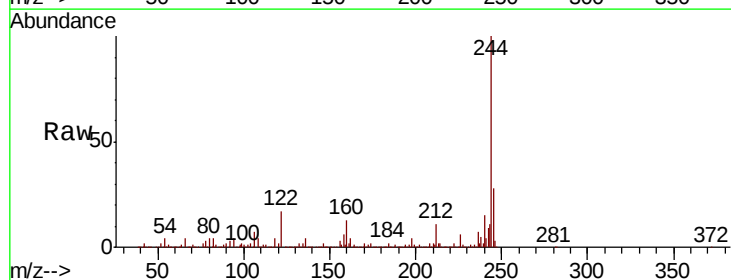
Instrument :
BNA_G
ClientSampleId :
PB130037TB

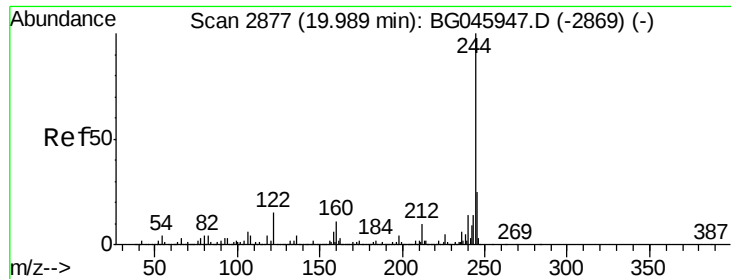
Tot Ion:240 Resp: 759797
Ion Ratio Lower Upper
240 100
120 12.1 10.6 16.0
236 26.1 20.4 30.6



#77
Benzidine
Concen: 2.772 ng
RT: 19.99 min Scan# 2877
Delta R.T. 0.39 min
Lab File: BG046001.D
Acq: 10 Jul 2020 10:59

Tgt Ion:184 Resp: 60215
Ion Ratio Lower Upper
184 100
185 16.9 11.6 17.4
183 7.1 10.4 15.6#





#79

Terphenyl-d14

Concen: 82.082 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG046001.D

Acq: 10 Jul 2020 10:59

Instrument :

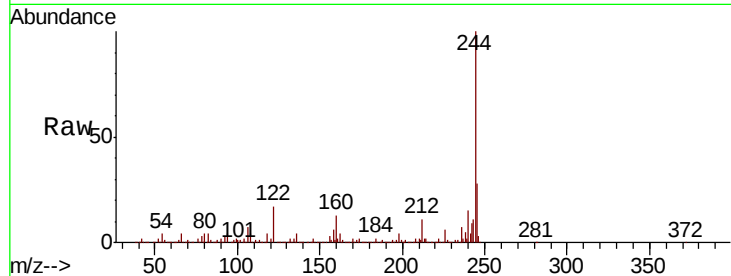
BNA_G

ClientSampleId :

PB130037TB

Tot Ion:244 Resp: 2802300

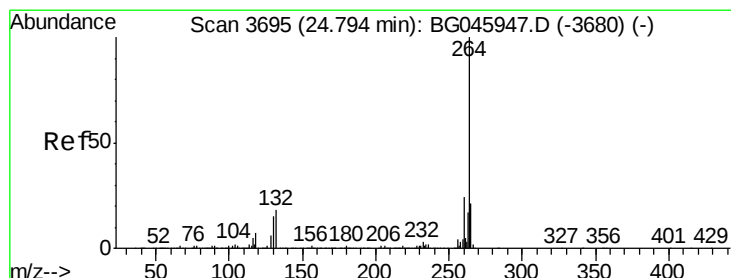
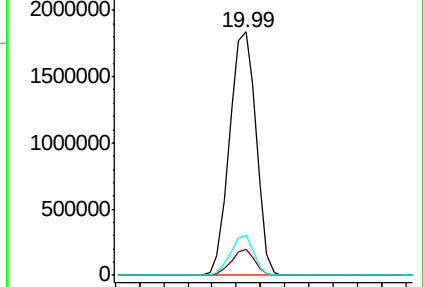
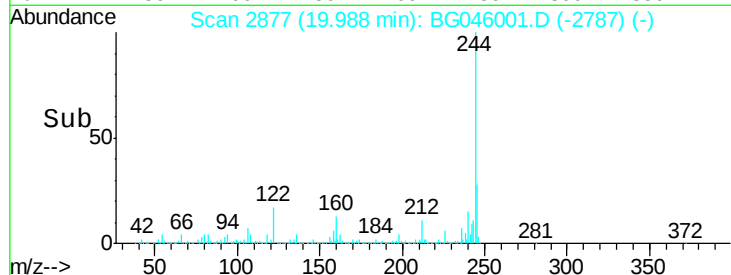
Ion	Ratio	Lower	Upper
244	100		
212	10.9	8.3	12.5
122	16.6	12.1	18.1



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

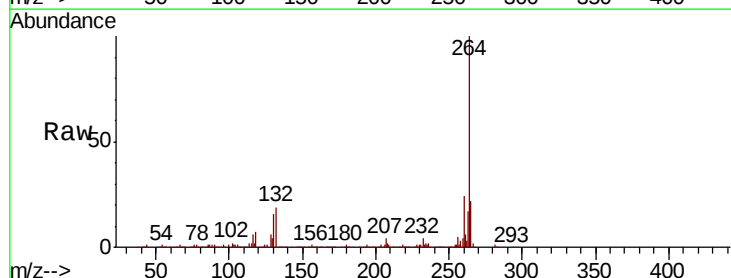
Delta R.T. -0.01 min

Lab File: BG046001.D

Acq: 10 Jul 2020 10:59

Tgt Ion:264 Resp: 741668

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.6
265	22.3	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

