

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070220\
 Data File : BG045912.D
 Acq On : 2 Jul 2020 13:24
 Operator : CG/JU
 Sample : L3153-14
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP2-B

Quant Time: Jul 02 14:09:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 14:02:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	57655	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	213483	20.00	ng	0.00
39) Acenaphthene-d10	14.51	164	143451	20.00	ng	0.00
64) Phenanthrene-d10	17.27	188	325645	20.00	ng	0.00
76) Chrysene-d12	21.51	240	340522	20.00	ng	0.00
86) Perylene-d12	24.59	264	347176	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	432338	126.67	ng	0.00
7) Phenol-d6	7.07	99	525905	101.30	ng	0.00
23) Nitrobenzene-d5	9.02	82	491675	105.21	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	325355	150.23	ng	0.00
45) 2-Fluorobiphenyl	13.13	172	1050902	107.66	ng	0.00
79) Terphenyl-d14	19.89	244	1790870	106.58	ng	0.00

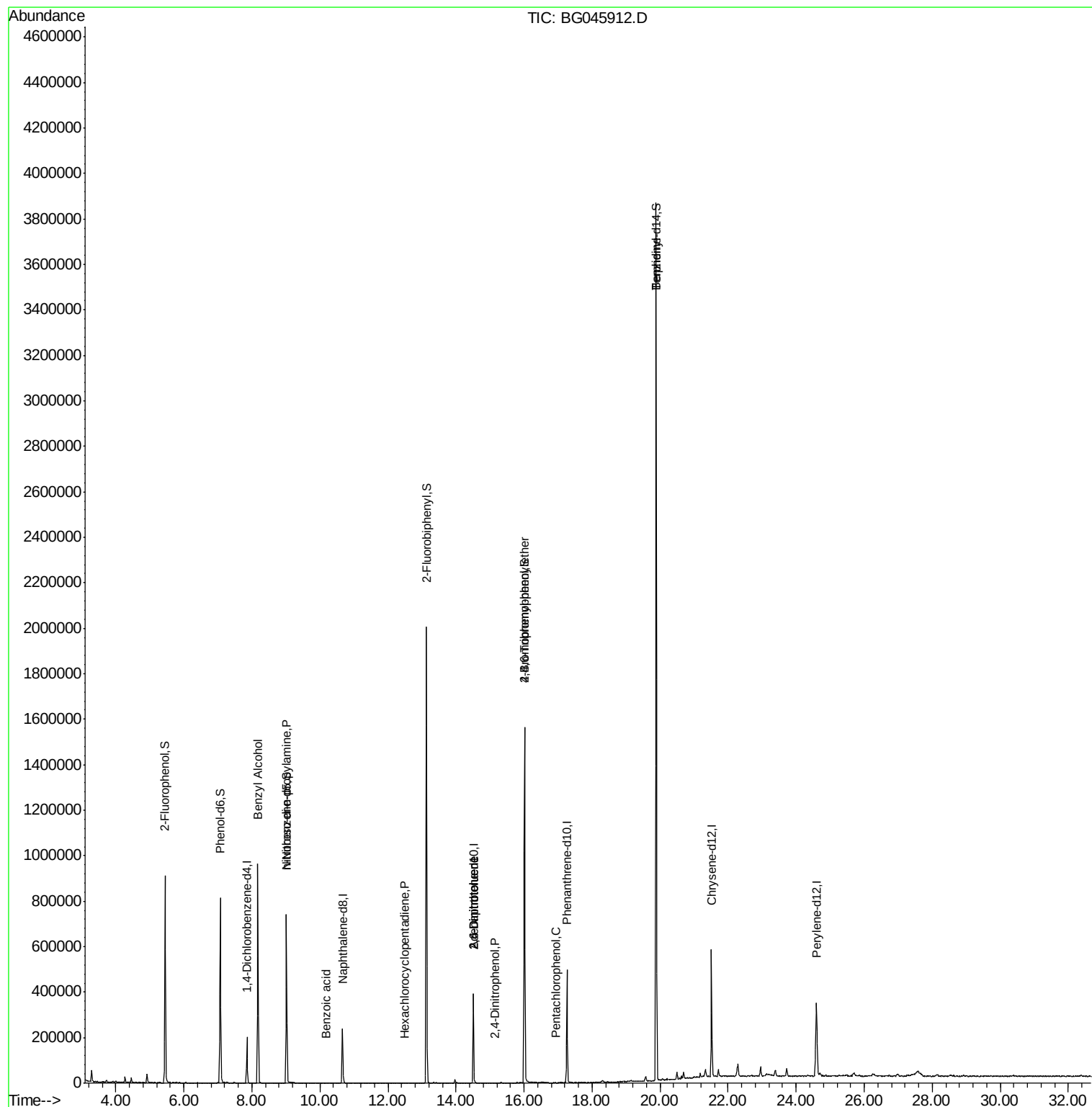
Target Compounds				Qvalue		
15) Benzyl Alcohol	8.17	79	8996	2.239	ng	# 52
19) n-Nitroso-di-n-propylamine	9.02	70	69969	20.500	ng	# 81
32) Benzoic acid	10.18	122	56	9.000	ng	# 1
41) Hexachlorocyclopentadiene	12.48	237	73	8.444	ng	# 27
51) 2,6-Dinitrotoluene	14.51	165	19486	7.720	ng	# 26
54) 2,4-Dinitrophenol	15.14	184	64	9.865	ng	# 15
57) 2,4-Dinitrotoluene	14.51	165	19486	5.388	ng	# 22
67) 4-Bromophenyl-phenylether	16.01	248	21859	5.166	ng	# 1
70) Pentachlorophenol	16.94	266	56	7.656	ng	# 20
77) Benzidine	19.89	184	33918	3.831	ng	# 90

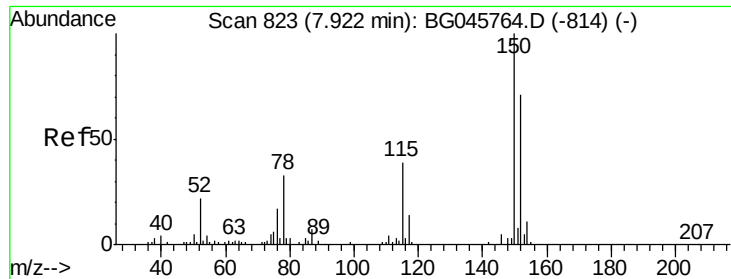
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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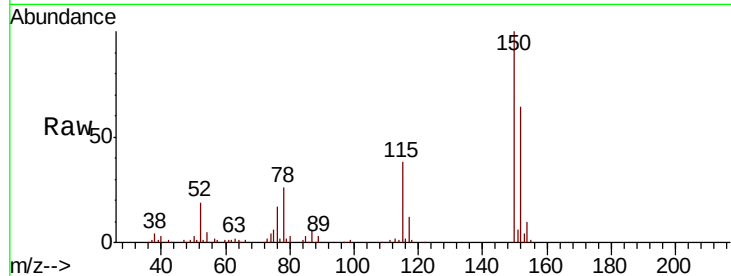


#1

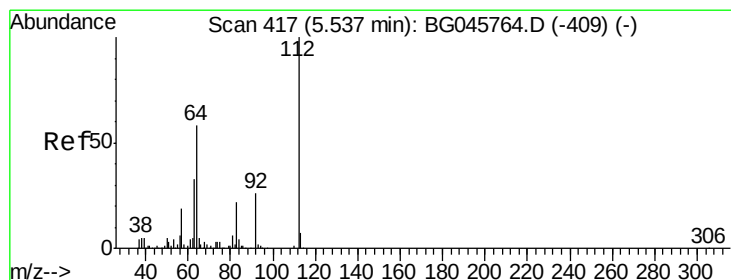
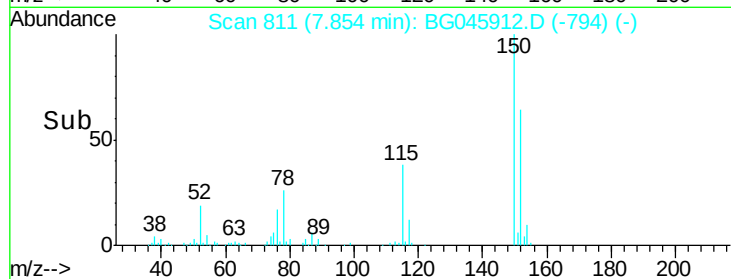
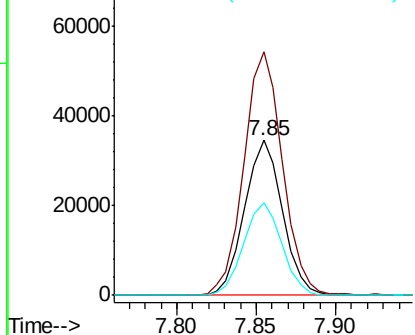
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 811
Delta R.T. -0.00 min
Lab File: BG045912.D
Acq: 2 Jul 2020 13:24

Instrument :
BNA_G
ClientSampleId :
SP2-B

Tot Ion	152	Resp	57655
Ion Ratio	Lower	Upper	
152	100		
150	157.0	124.5	186.7
115	59.8	45.8	68.8



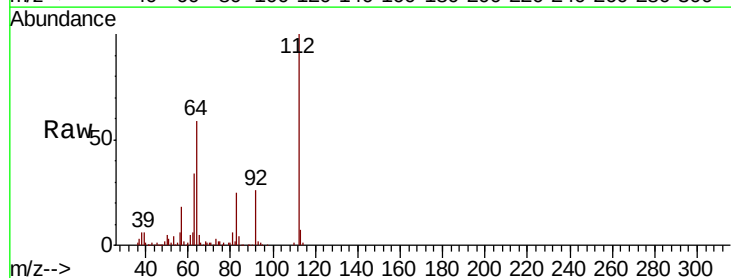
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



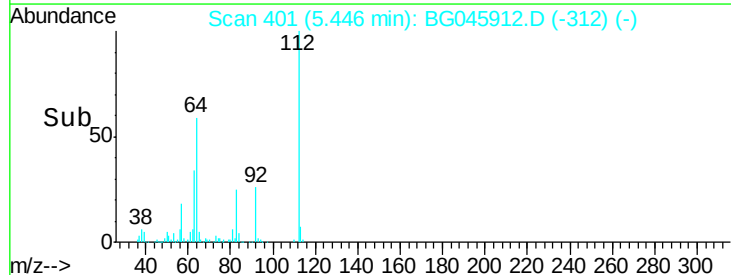
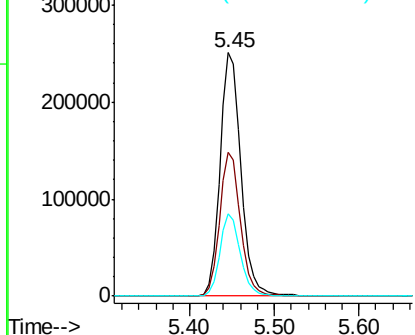
#5

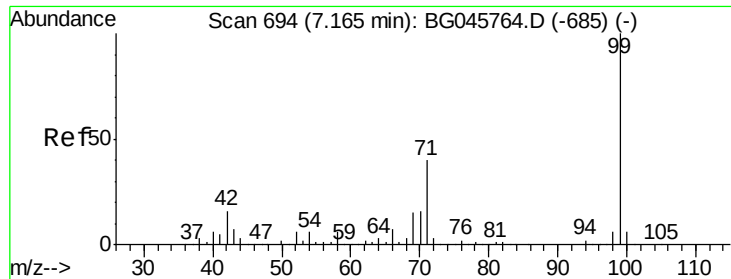
2-Fluorophenol
Concen: 126.671 ng
RT: 5.45 min Scan# 401
Delta R.T. -0.01 min
Lab File: BG045912.D
Acq: 2 Jul 2020 13:24

Tgt Ion	112	Resp	432338
Ion Ratio	Lower	Upper	
112	100		
64	59.1	44.9	67.3
63	33.8	26.9	40.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 101.299 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG045912.D

Acq: 2 Jul 2020 13:24

Instrument :

BNA_G

ClientSampled :

SP2-B

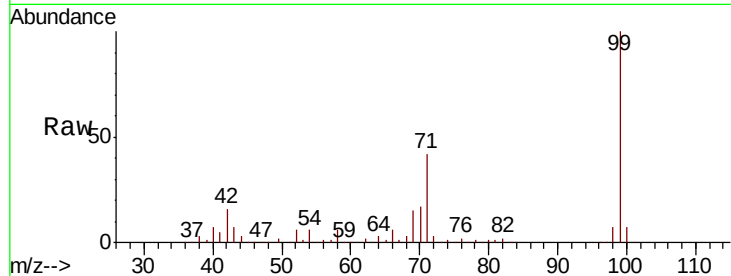
Tot Ion: 99 Resp: 525905

Ion Ratio Lower Upper

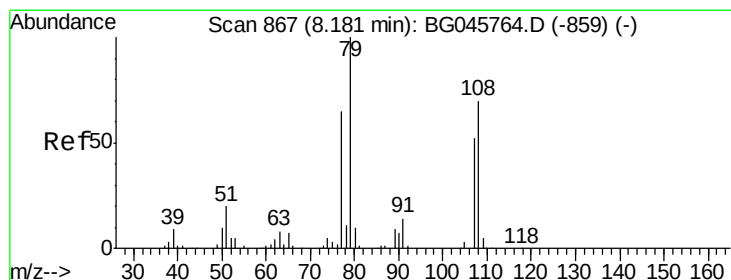
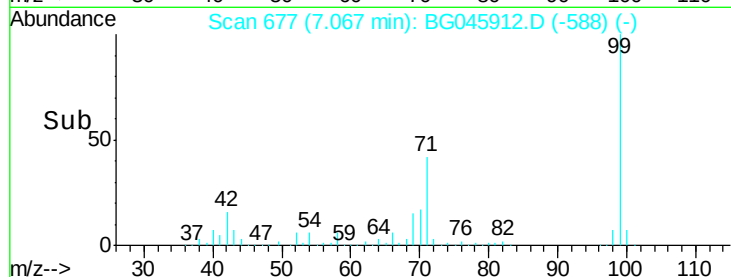
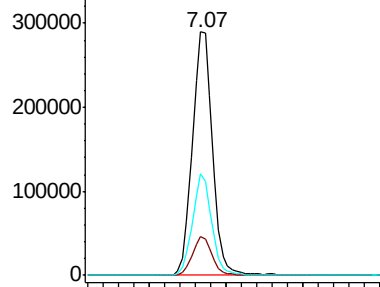
99 100

42 16.0 11.8 17.8

71 41.6 31.0 46.6



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



#15

Benzyl Alcohol

Concen: 2.239 ng

RT: 8.17 min Scan# 865

Delta R.T. 0.06 min

Lab File: BG045912.D

Acq: 2 Jul 2020 13:24

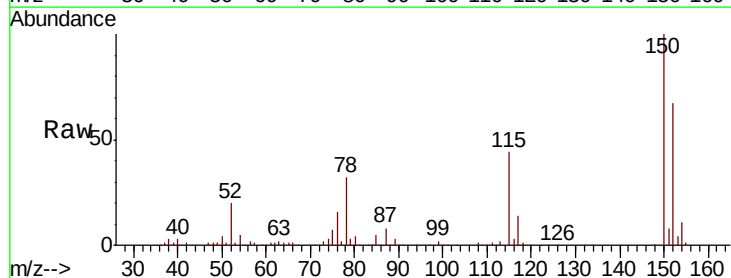
Tgt Ion: 79 Resp: 8996

Ion Ratio Lower Upper

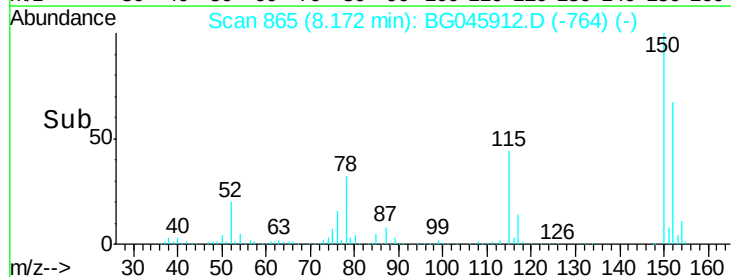
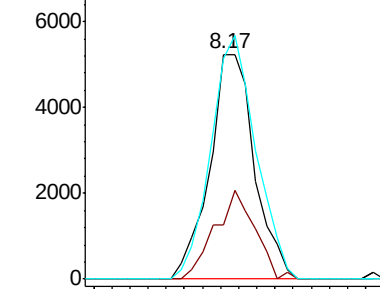
79 100

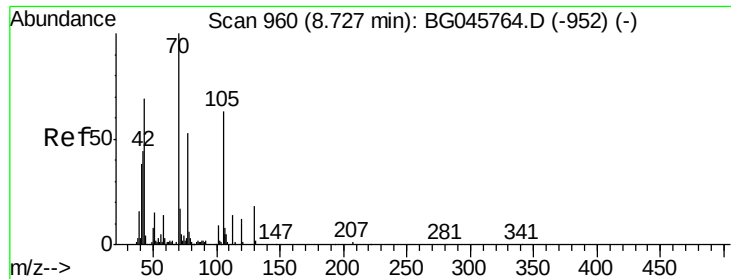
108 24.2 50.7 76.1#

77 98.0 50.4 75.6#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

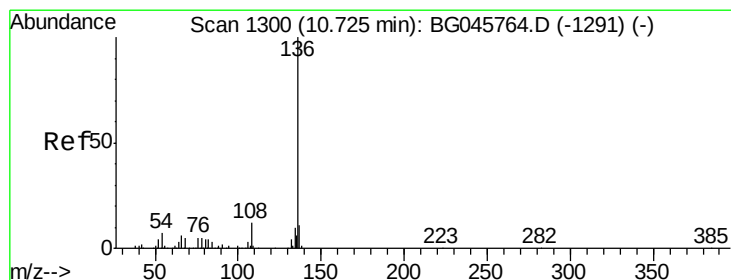
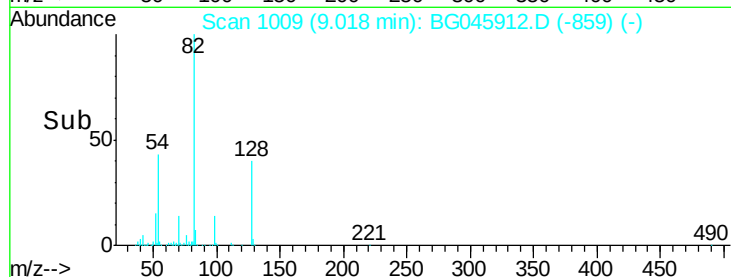
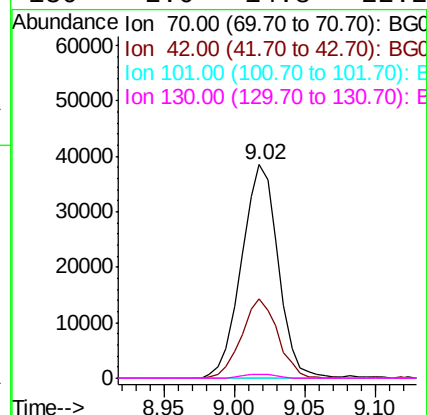
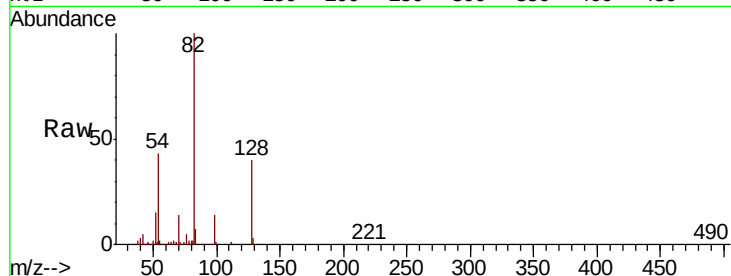




#19
n-Nitroso-di-n-propylamine
Concen: 20.500 ng
RT: 9.02 min Scan# 1009
Delta R.T. 0.35 min
Lab File: BG045912.D
Acq: 2 Jul 2020 13:24

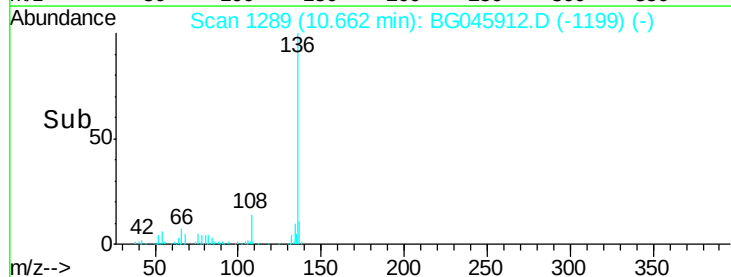
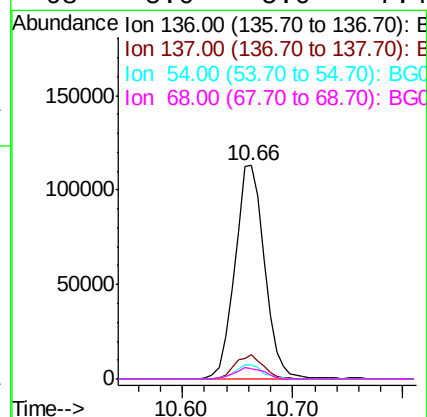
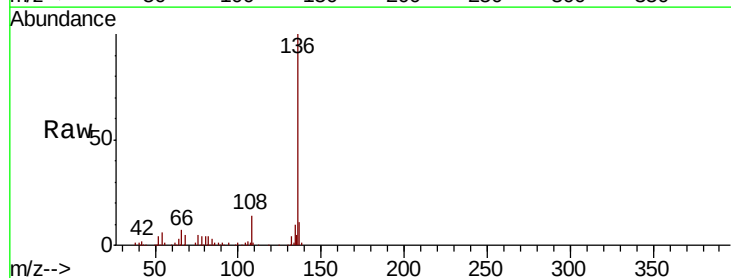
Instrument :
BNA_G
ClientSampleId :
SP2-B

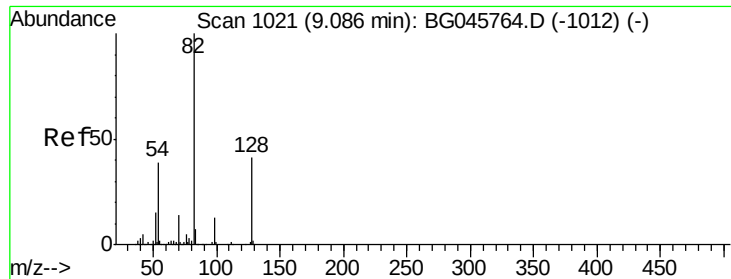
Tot Ion: 70 Resp: 69969
Ion Ratio Lower Upper
70 100
42 37.3 35.6 53.4
101 0.0 6.6 10.0#
130 2.0 14.8 22.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.66 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG045912.D
Acq: 2 Jul 2020 13:24

Tgt Ion:136 Resp: 213483
Ion Ratio Lower Upper
136 100
137 11.4 8.2 12.4
54 6.5 4.6 7.0
68 5.0 5.0 7.4

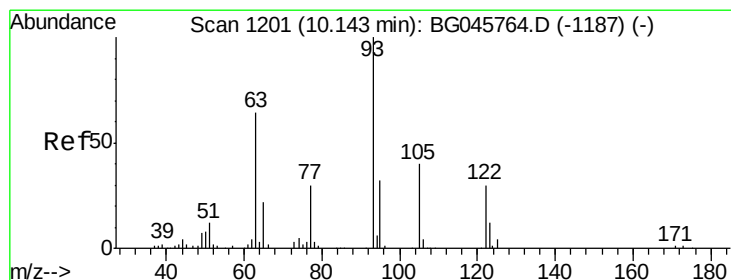
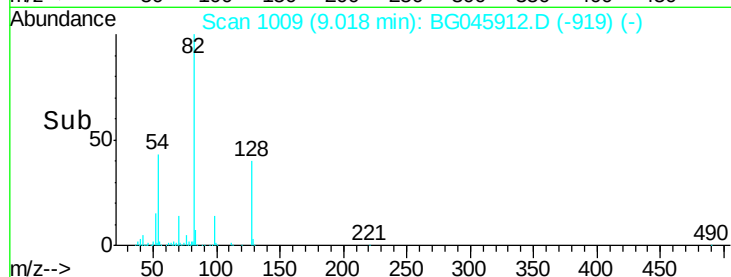
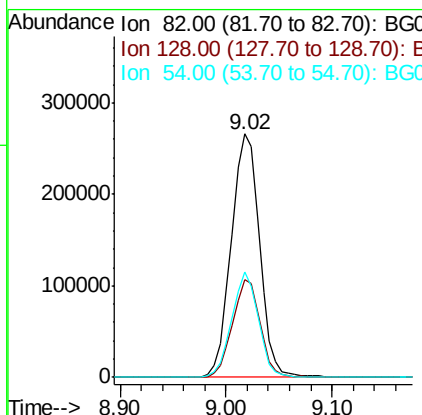
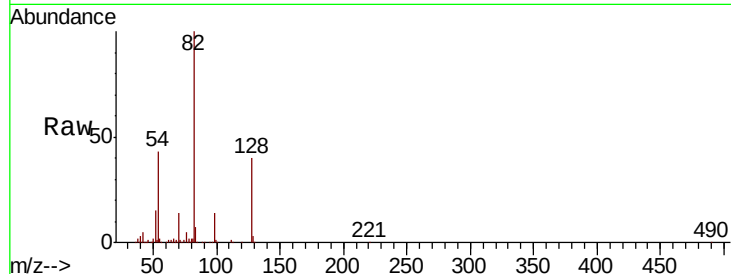




#23
 Nitrobenzene-d5
 Concen: 105.214 ng
 RT: 9.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: BG045912.D
 Acq: 2 Jul 2020 13:24

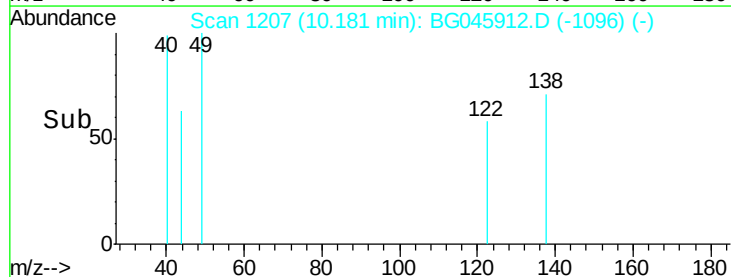
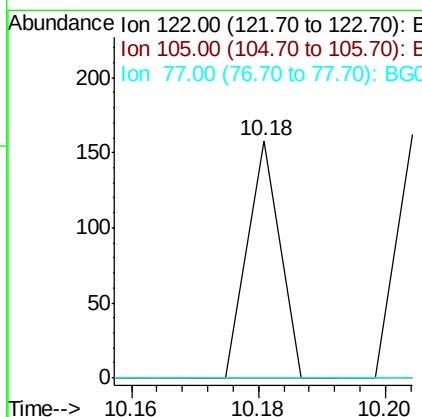
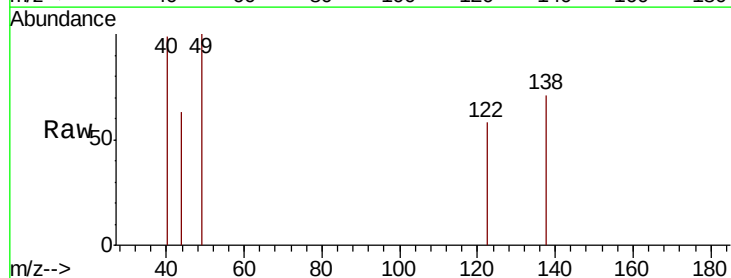
Instrument :
 BNA_G
 ClientSampleId :
 SP2-B

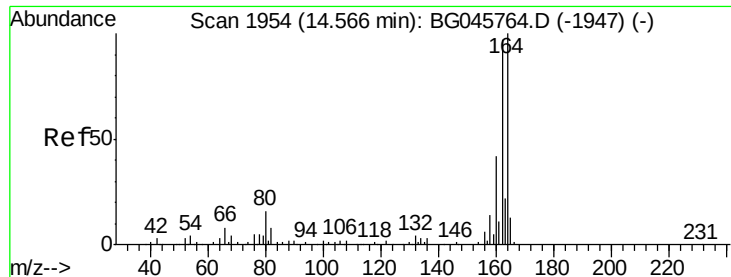
Tot Ion	82	Resp	491675
Ion Ratio	Lower	Upper	
82	100		
128	40.0	29.9	44.9
54	43.1	33.3	49.9



#32
 Benzoic acid
 Concen: 9.000 ng
 RT: 10.18 min Scan# 1207
 Delta R.T. 0.12 min
 Lab File: BG045912.D
 Acq: 2 Jul 2020 13:24

Tgt Ion	122	Resp	56
Ion Ratio	Lower	Upper	
122	100		
105	0.0	123.1	163.1#
77	0.0	93.9	133.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.51 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BG045912.D

Acq: 2 Jul 2020 13:24

Instrument :

BNA_G

ClientSampleId :

SP2-B

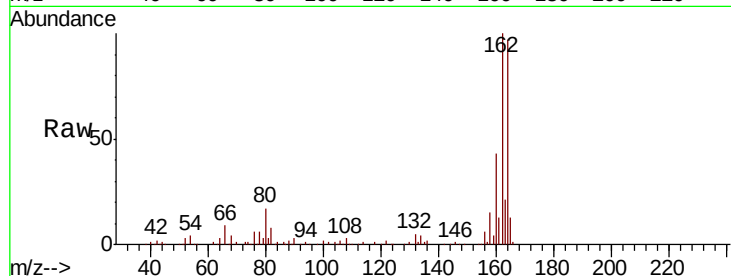
Tot Ion:164 Resp: 143451

Ion Ratio Lower Upper

164 100

162 102.8 78.8 118.2

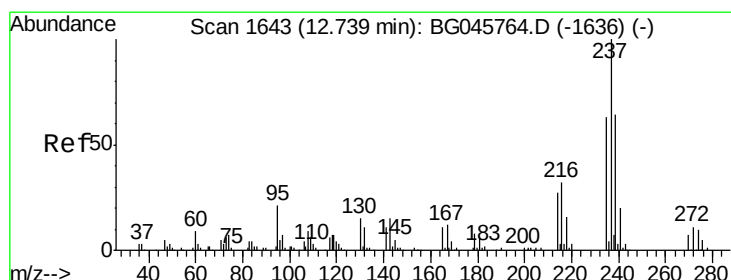
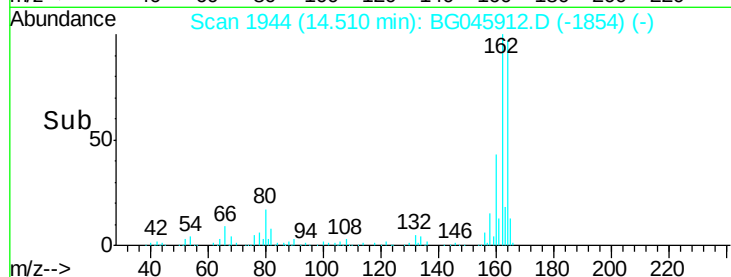
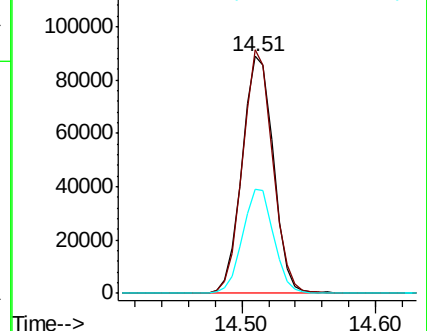
160 44.2 33.8 50.6



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



#41

Hexachlorocyclopentadiene

Concen: 8.444 ng

RT: 12.48 min Scan# 1599

Delta R.T. -0.20 min

Lab File: BG045912.D

Acq: 2 Jul 2020 13:24

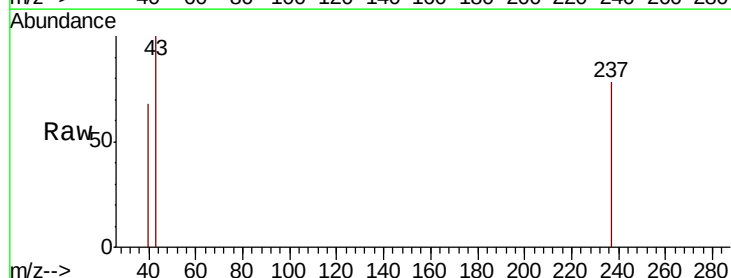
Tgt Ion:237 Resp: 73

Ion Ratio Lower Upper

237 100

235 0.0 43.3 83.3#

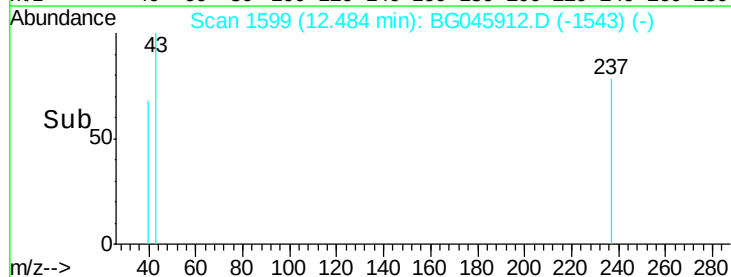
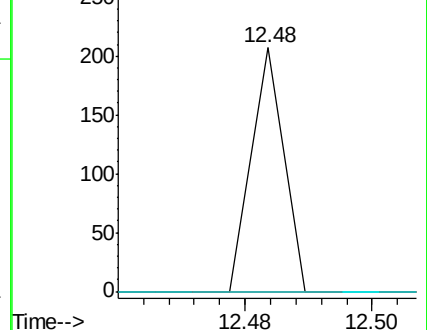
272 0.0 0.0 33.3

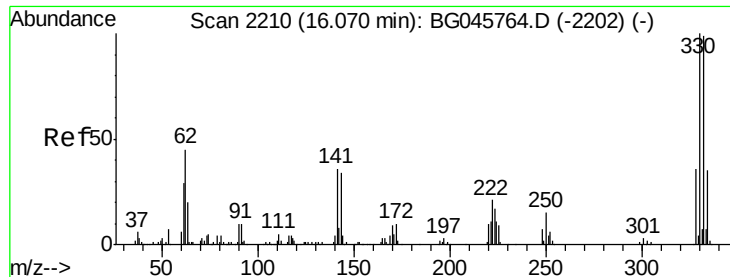


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

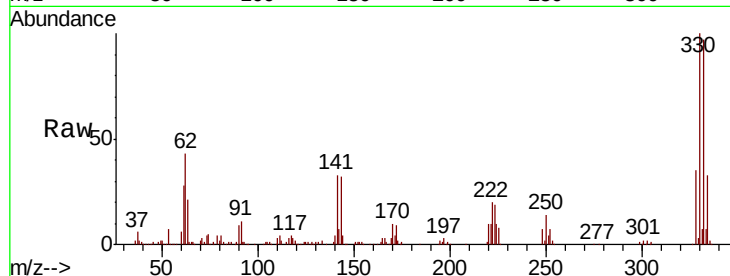




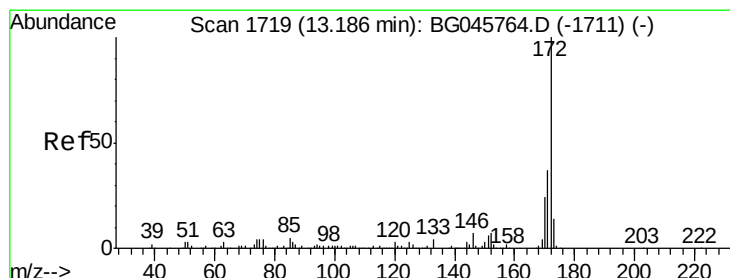
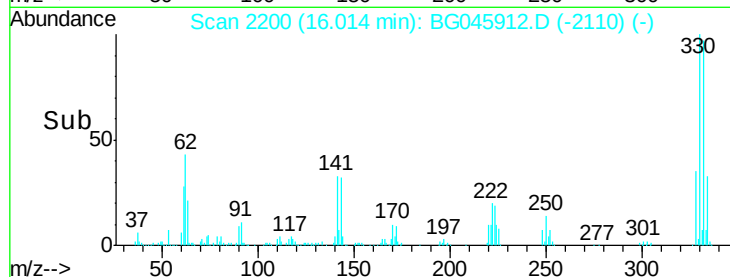
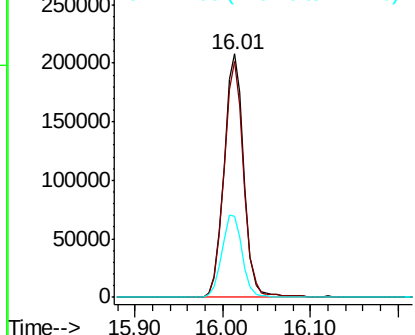
#42
 2,4,6-Tribromophenol
 Concen: 150.228 ng
 RT: 16.01 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: BG045912.D
 Acq: 2 Jul 2020 13:24

Instrument :
 BNA_G
 ClientSampled :
 SP2-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	79.4	119.0
141	34.6	28.2	42.2

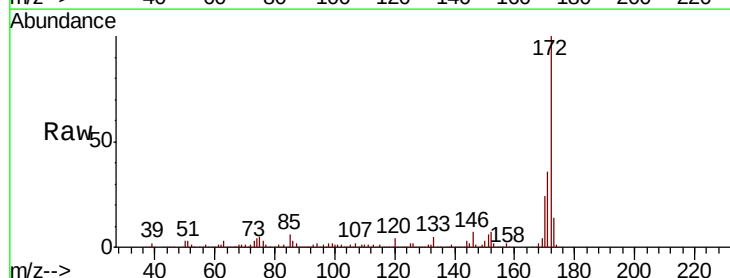


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

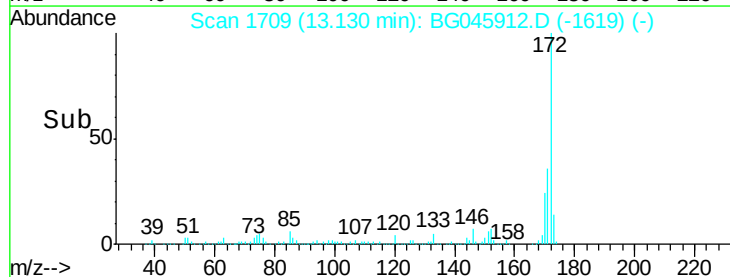
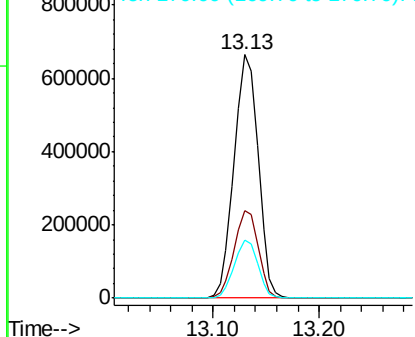


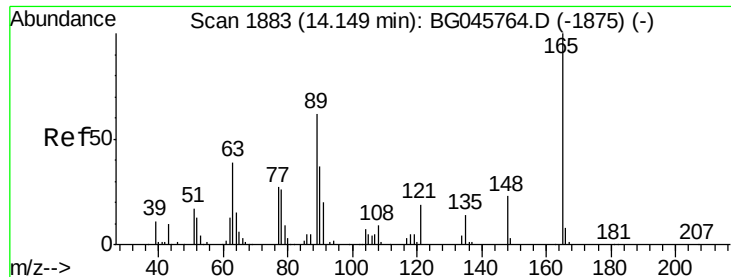
#45
 2-Fluorobiphenyl
 Concen: 107.658 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BG045912.D
 Acq: 2 Jul 2020 13:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.5	42.7
170	23.8	18.9	28.3



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

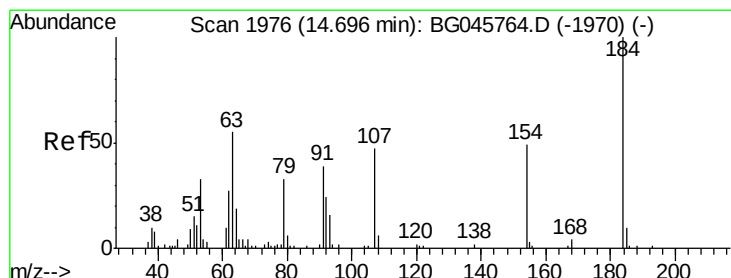
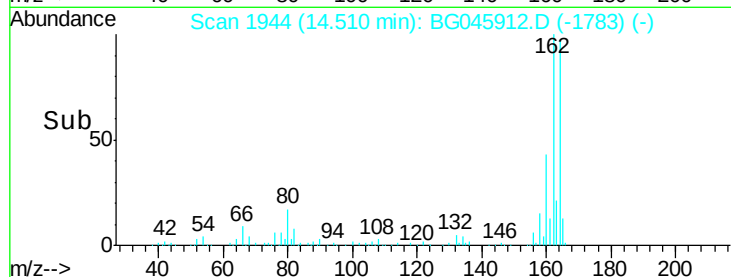
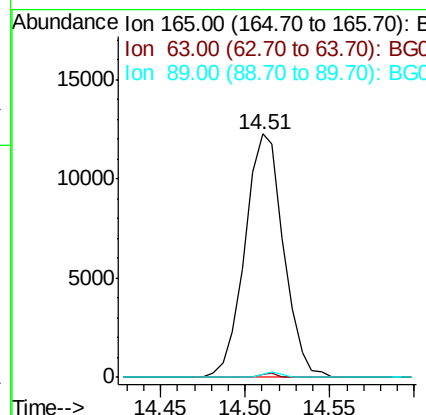
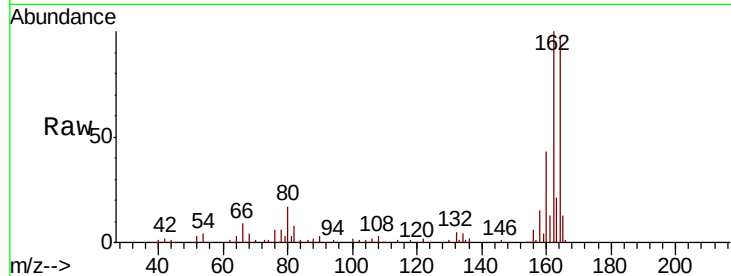




#51
 2,6-Dinitrotoluene
 Concen: 7.720 ng
 RT: 14.51 min Scan# 1944
 Delta R.T. 0.41 min
 Lab File: BG045912.D
 Acq: 2 Jul 2020 13:24

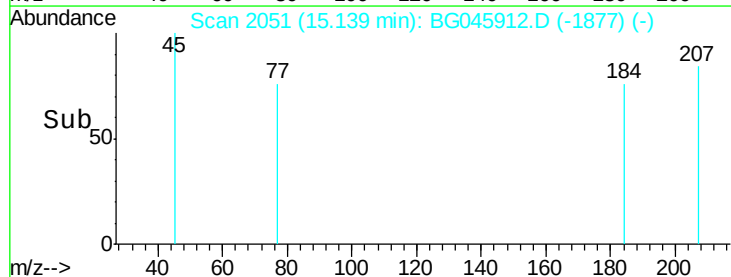
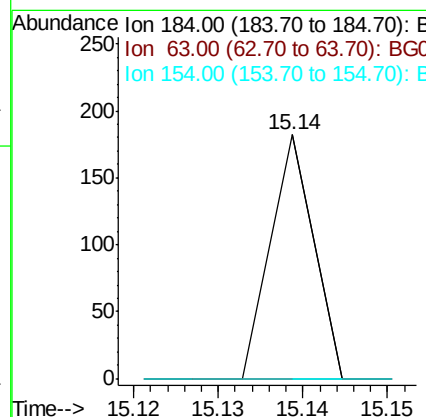
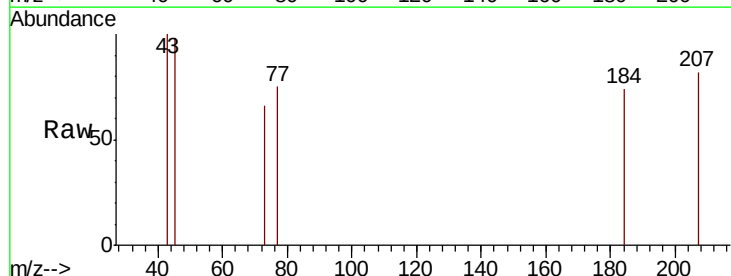
Instrument :
 BNA_G
 ClientSampleId :
 SP2-B

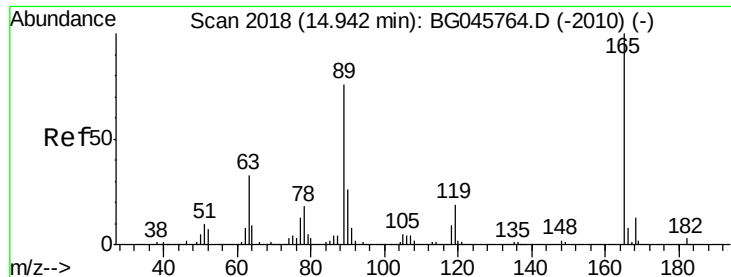
Tot Ion:165 Resp: 19486
 Ion Ratio Lower Upper
 165 100
 63 1.2 41.4 62.2#
 89 1.3 45.4 68.0#



#54
 2,4-Dinitrophenol
 Concen: 9.865 ng
 RT: 15.14 min Scan# 2051
 Delta R.T. 0.49 min
 Lab File: BG045912.D
 Acq: 2 Jul 2020 13:24

Tgt Ion:184 Resp: 64
 Ion Ratio Lower Upper
 184 100
 63 0.0 49.4 74.0#
 154 0.0 59.8 89.8#

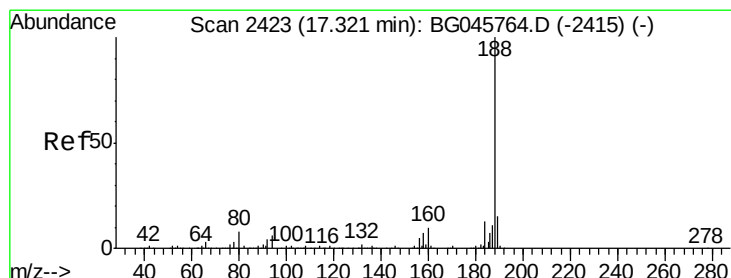
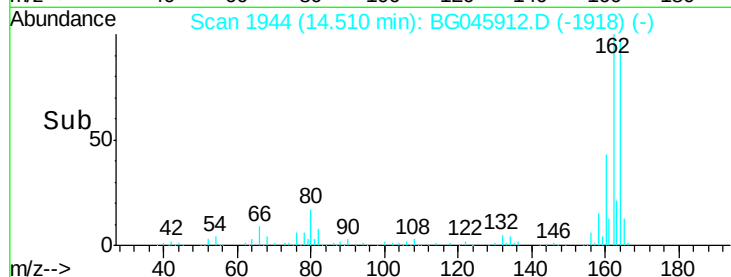
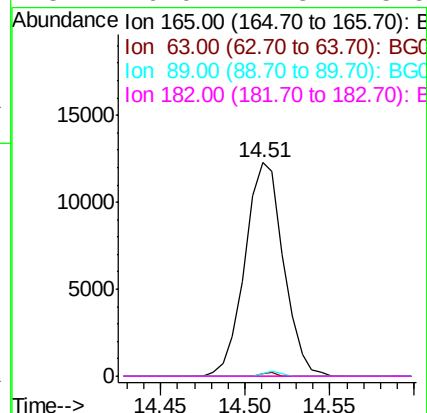
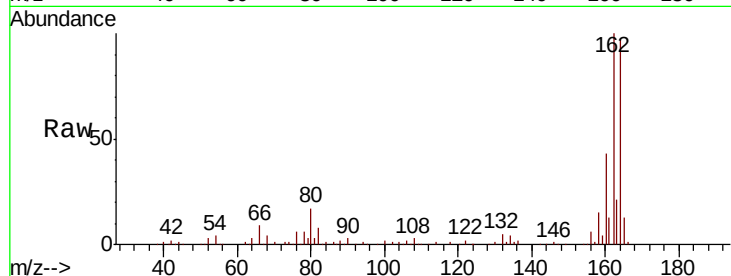




#57
 2,4-Dinitrotoluene
 Concen: 5.388 ng
 RT: 14.51 min Scan# 1944
 Delta R.T. -0.38 min
 Lab File: BG045912.D
 Acq: 2 Jul 2020 13:24

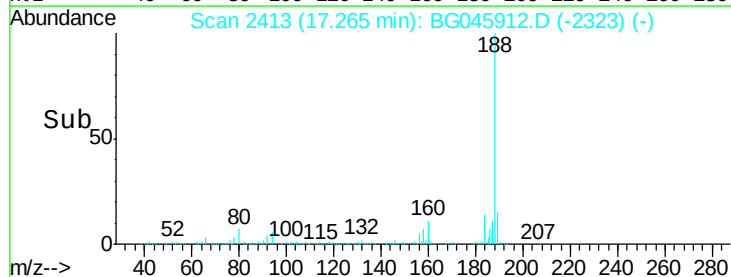
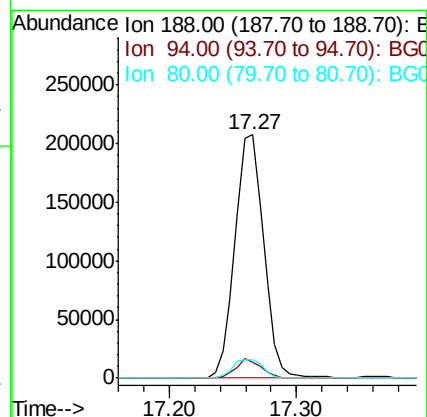
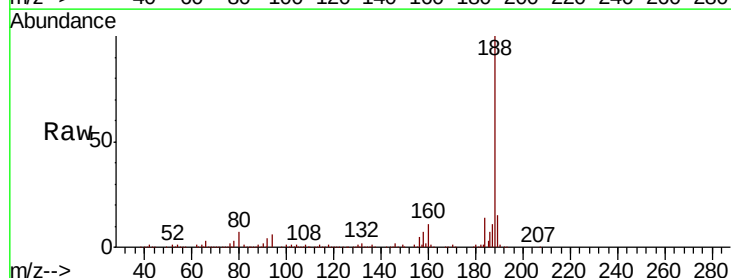
Instrument :
 BNA_G
 ClientSampleId :
 SP2-B

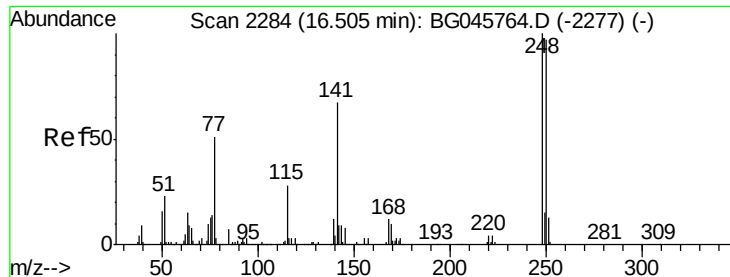
Tot Ion:165	Resp: 19486
Ion Ratio	Lower Upper
165 100	
63 1.2	34.5 51.7#
89 1.3	60.8 91.2#
182 0.0	2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.27 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BG045912.D
 Acq: 2 Jul 2020 13:24

Tgt Ion	188	Resp: Lower	325645 Upper
	Ratio		
188	100		
94	6.4	5.5	8.3
80	7.3	6.1	9.1

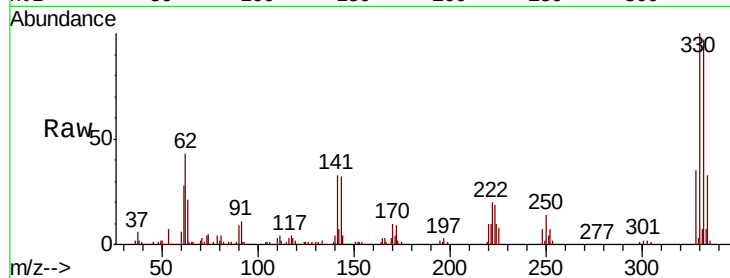




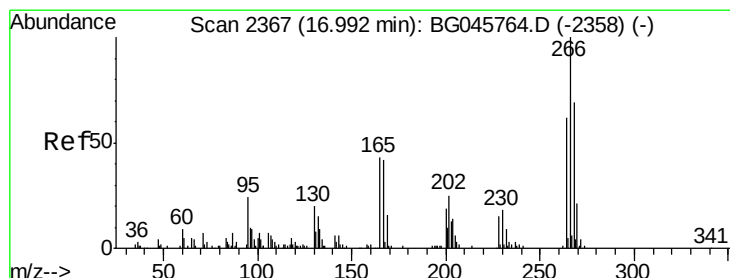
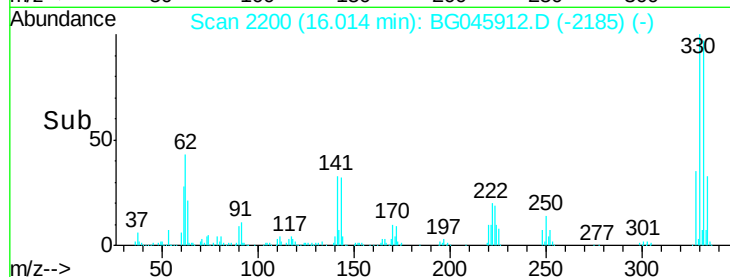
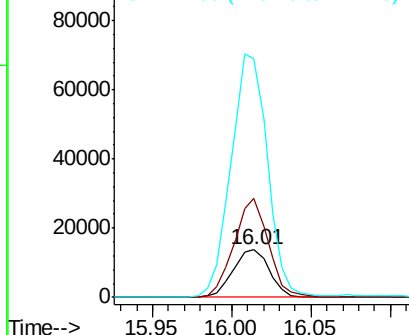
#67
4-Bromophenyl-phenylether
Concen: 5.166 ng
RT: 16.01 min Scan# 2200
Delta R.T. -0.44 min
Lab File: BG045912.D
Acq: 2 Jul 2020 13:24

Instrument :
BNA_G
ClientSampleId :
SP2-B

Tot Ion:248 Resp: 21859
Ion Ratio Lower Upper
248 100
250 207.8 77.2 115.8#
141 503.0 52.6 79.0#

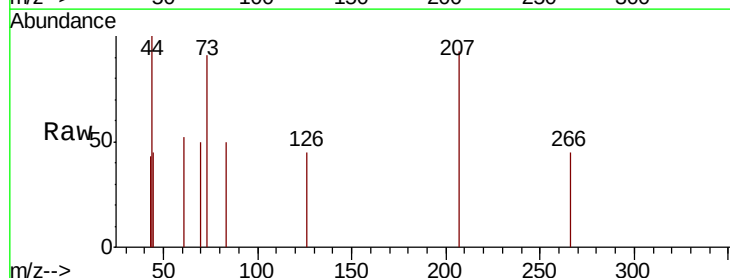


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

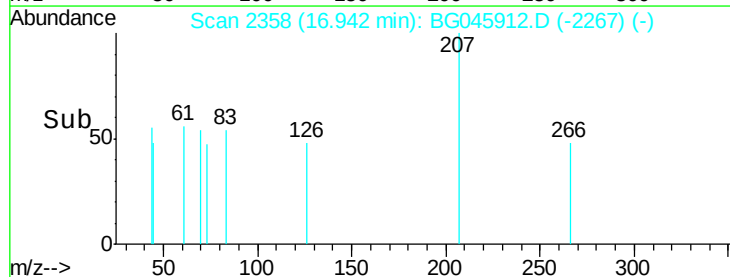
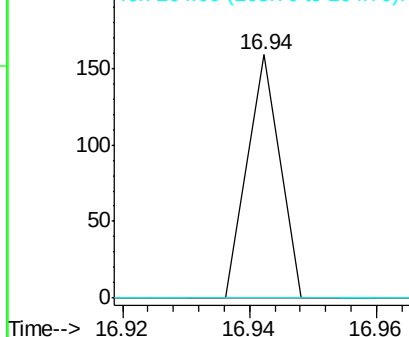


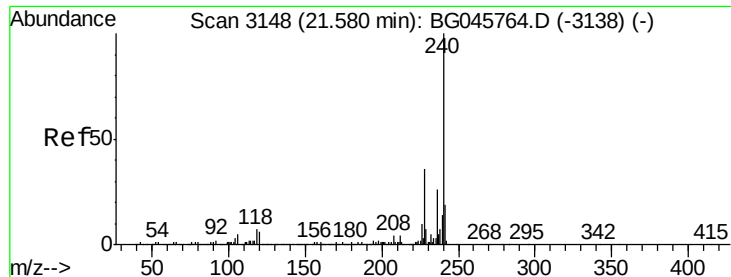
#70
Pentachlorophenol
Concen: 7.656 ng
RT: 16.94 min Scan# 2358
Delta R.T. 0.00 min
Lab File: BG045912.D
Acq: 2 Jul 2020 13:24

Tgt Ion:266 Resp: 56
Ion Ratio Lower Upper
266 100
268 0.0 50.5 75.7#
264 0.0 47.0 70.6#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.51 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BG045912.D

Acq: 2 Jul 2020 13:24

Instrument :

BNA_G

ClientSampled :

SP2-B

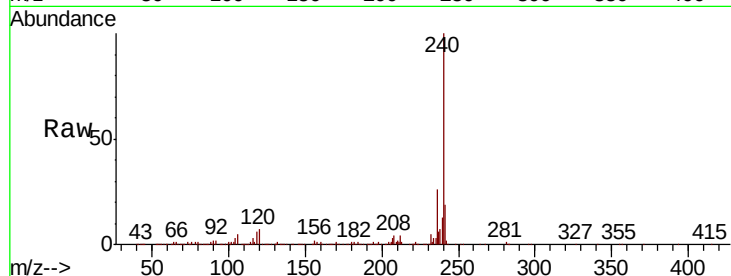
Tot Ion:240 Resp: 340522

Ion Ratio Lower Upper

240 100

120 6.7 5.2 7.8

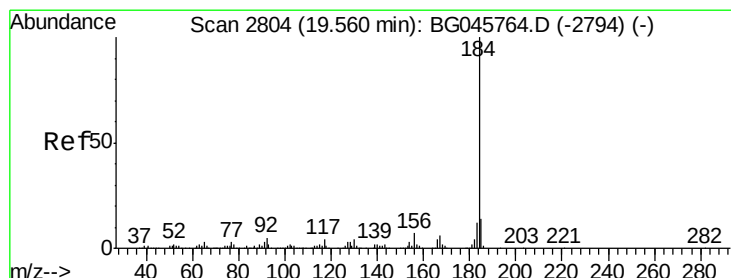
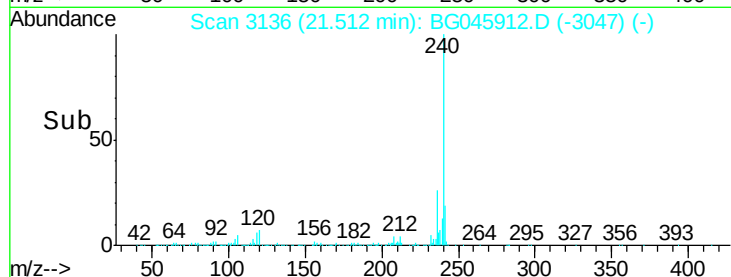
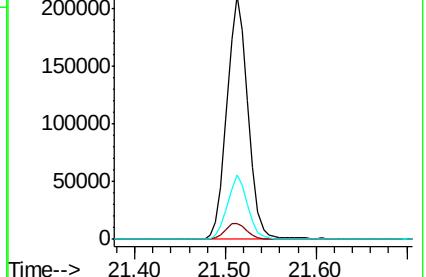
236 26.5 20.8 31.2



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: 3.831 ng

RT: 19.89 min Scan# 2859

Delta R.T. 0.38 min

Lab File: BG045912.D

Acq: 2 Jul 2020 13:24

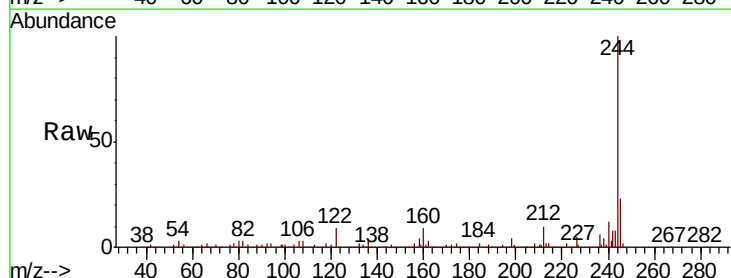
Tgt Ion:184 Resp: 33918

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

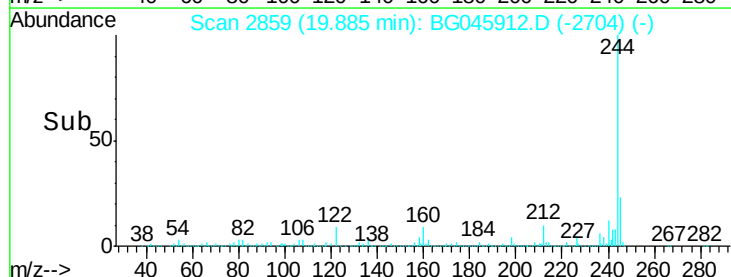
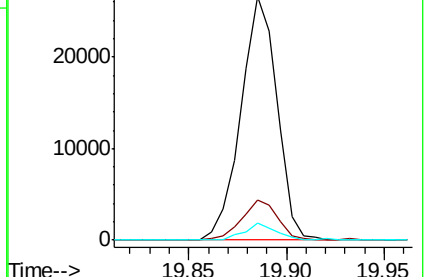
183 7.1 10.6 15.8#

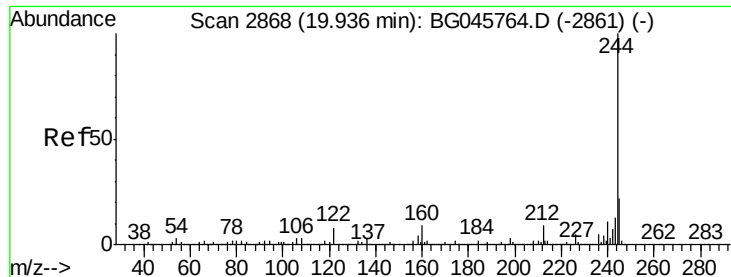


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 106.582 ng

RT: 19.89 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG045912.D

Acq: 2 Jul 2020 13:24

Instrument :

BNA_G

ClientSampleId :

SP2-B

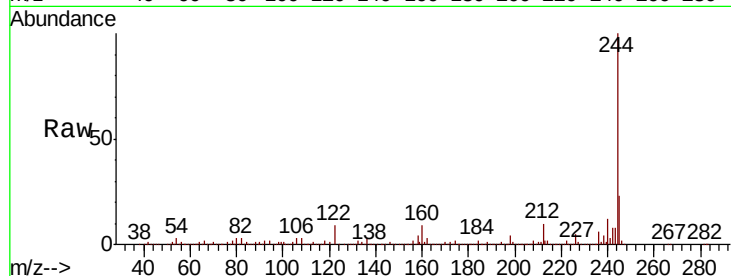
Tot Ion:244 Resp: 1790870

Ion Ratio Lower Upper

244 100

212 9.7 7.0 10.6

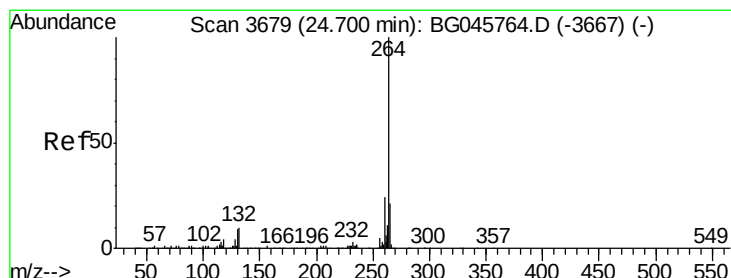
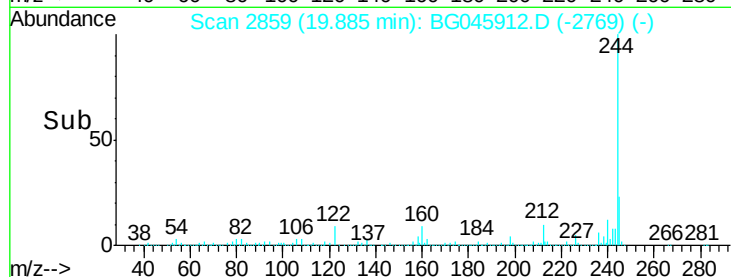
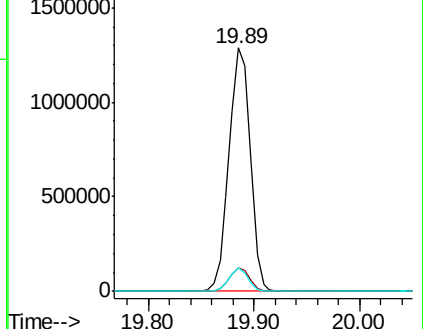
122 9.5 6.6 9.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.59 min Scan# 3660

Delta R.T. -0.01 min

Lab File: BG045912.D

Acq: 2 Jul 2020 13:24

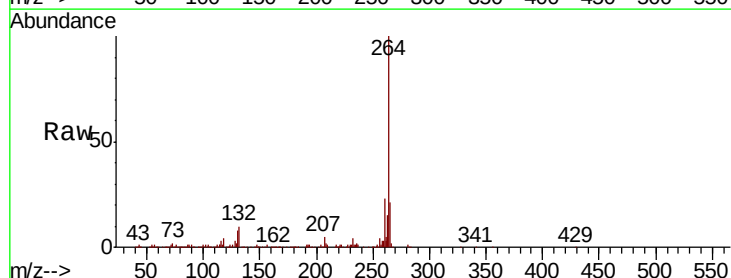
Tgt Ion:264 Resp: 347176

Ion Ratio Lower Upper

264 100

260 22.7 18.5 27.7

265 21.4 16.4 24.6



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

