

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070220\
 Data File : BG045934.D
 Acq On : 3 Jul 2020 5:27
 Operator : CG/JU
 Sample : L3197-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-1-COMP

Quant Time: Jul 03 07:01:32 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

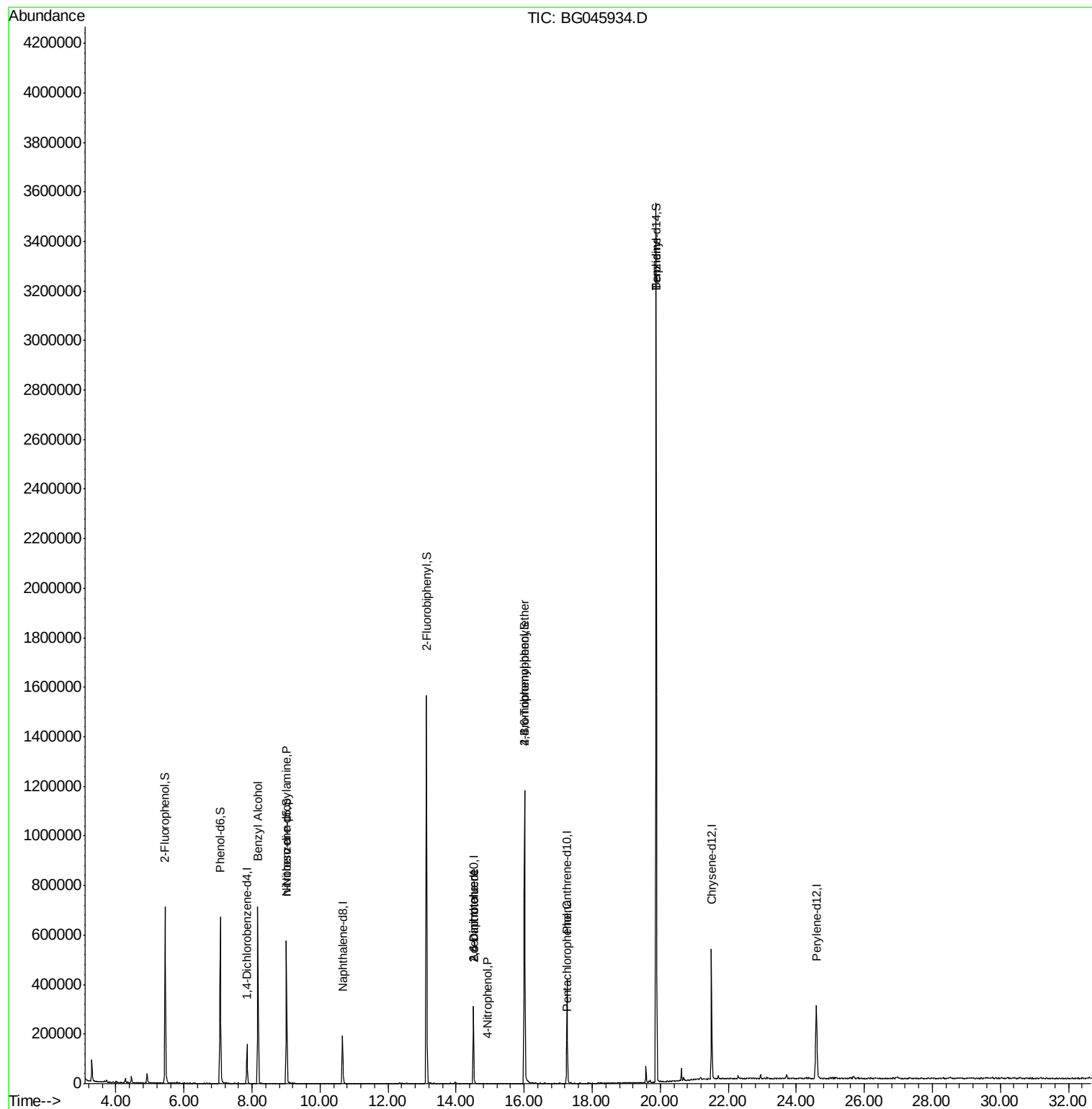
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	47308	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	171389	20.00	ng	0.00
39) Acenaphthene-d10	14.51	164	116045	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	276510	20.00	ng	0.00
76) Chrysene-d12	21.51	240	316014	20.00	ng	-0.01
86) Perylene-d12	24.59	264	318971	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	347079	123.93	ng	0.00
7) Phenol-d6	7.06	99	439733	103.23	ng	-0.01
23) Nitrobenzene-d5	9.01	82	392145	104.53	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	252843	144.32	ng	0.00
45) 2-Fluorobiphenyl	13.13	172	848501	107.45	ng	0.00
79) Terphenyl-d14	19.88	244	1645342	105.52	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.17	79	6635	2.013	ng	# 50
19) n-Nitroso-di-n-propylamine	9.01	70	53848	19.227	ng	# 80
51) 2,6-Dinitrotoluene	14.51	165	15280	7.483	ng	# 27
56) 4-Nitrophenol	14.93	139	74	4.021	ng	# 1
57) 2,4-Dinitrotoluene	14.51	165	15280	5.223	ng	# 24
67) 4-Bromophenyl-phenylether	16.01	248	16866	4.694	ng	# 1
70) Pentachlorophenol	17.24	266	55	7.659	ng	# 20
77) Benzidine	19.88	184	31234	3.802	ng	# 86

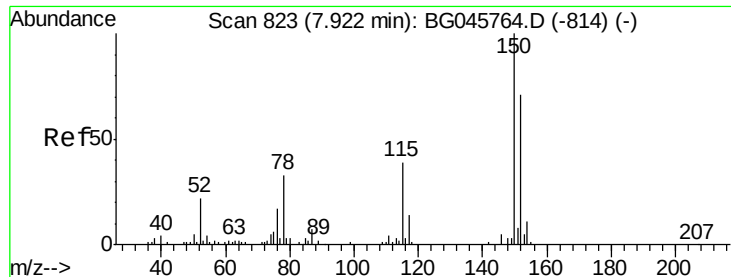
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 03 07:01:32 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



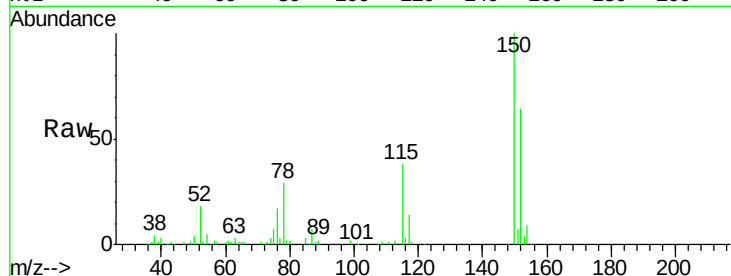


#1

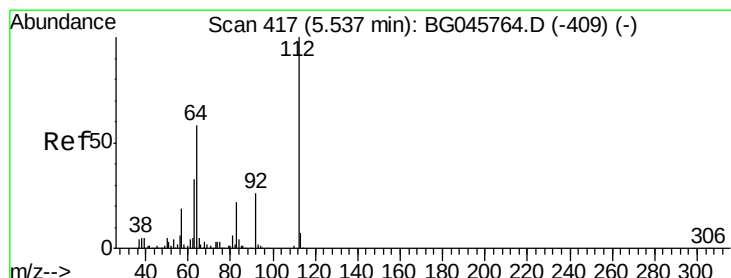
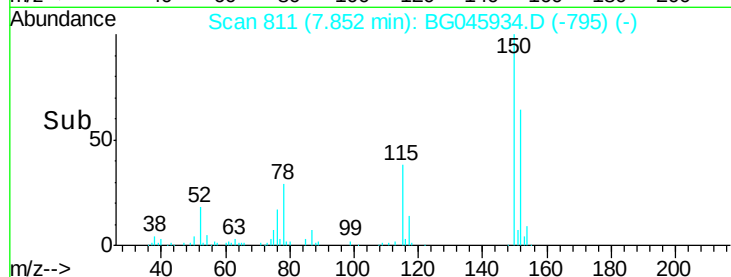
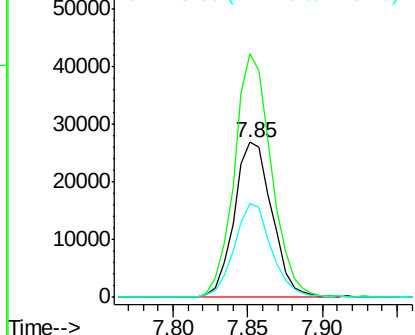
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG045934.D
Acq: 3 Jul 2020 5:27

Instrument :
BNA_G
ClientSampleId :
MH-1-COMP

Tot Ion:152 Resp: 47308
Ion Ratio Lower Upper
152 100
150 157.3 124.5 186.7
115 60.4 45.8 68.8



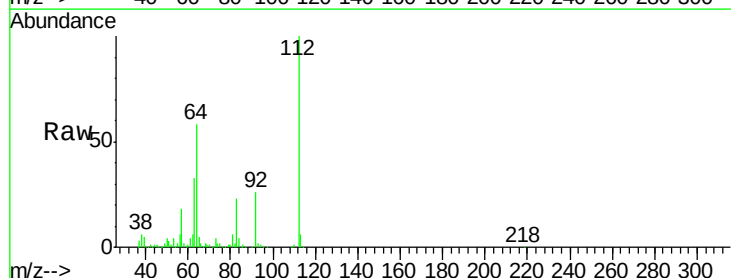
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



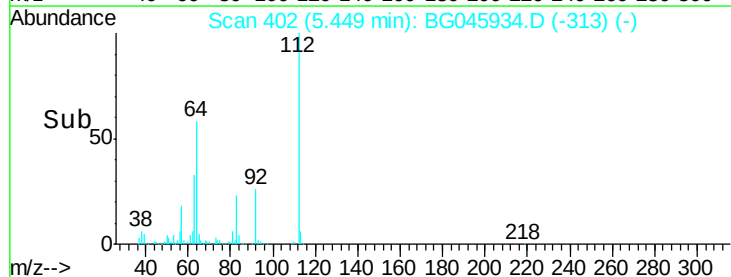
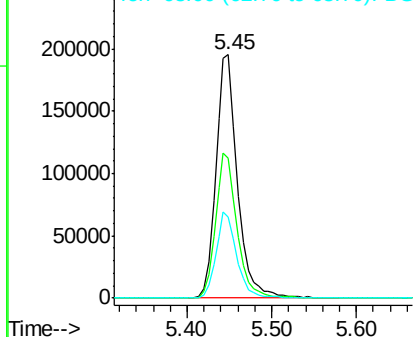
#5

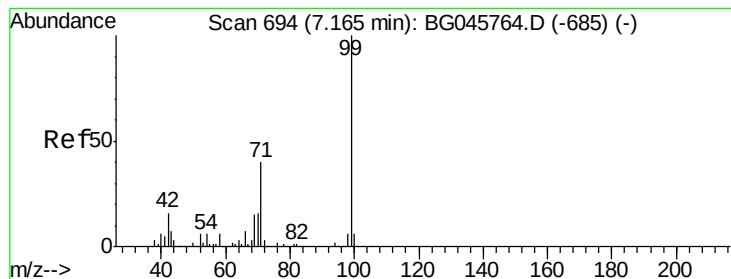
2-Fluorophenol
Concen: 123.932 ng
RT: 5.45 min Scan# 402
Delta R.T. -0.01 min
Lab File: BG045934.D
Acq: 3 Jul 2020 5:27

Tgt Ion:112 Resp: 347079
Ion Ratio Lower Upper
112 100
64 57.7 44.9 67.3
63 33.4 26.9 40.3



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





#7

Phenol-d6

Concen: 103.226 ng

RT: 7.06 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG045934.D

Acq: 3 Jul 2020 5:27

Instrument :

BNA_G

ClientSampleId :

MH-1-COMP

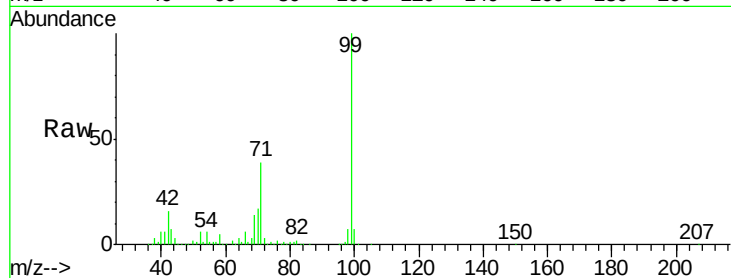
Tot Ion: 99 Resp: 439733

Ion Ratio Lower Upper

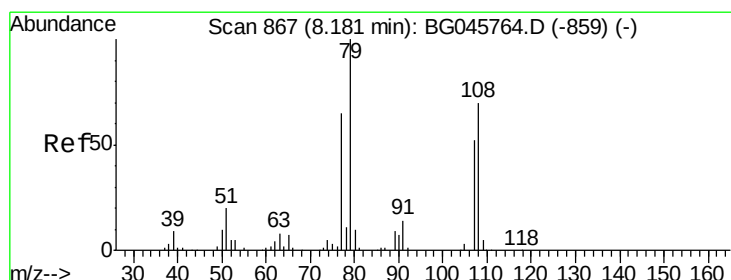
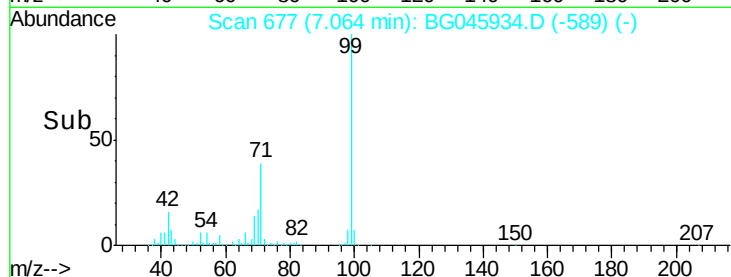
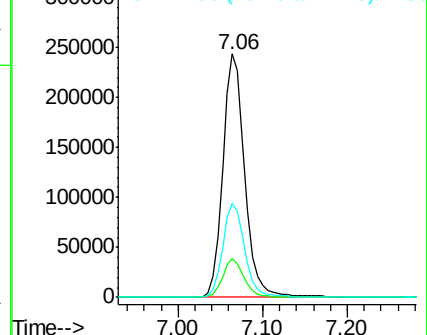
99 100

42 15.9 11.8 17.8

71 38.6 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: 2.013 ng

RT: 8.17 min Scan# 866

Delta R.T. 0.06 min

Lab File: BG045934.D

Acq: 3 Jul 2020 5:27

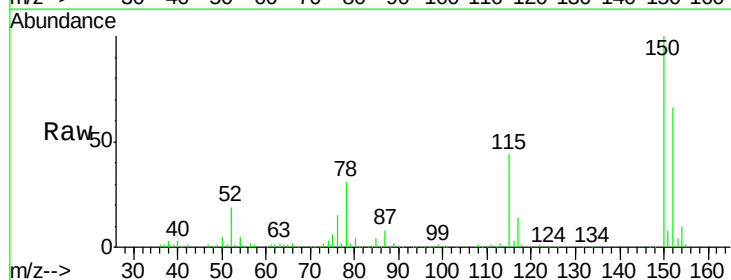
Tgt Ion: 79 Resp: 6635

Ion Ratio Lower Upper

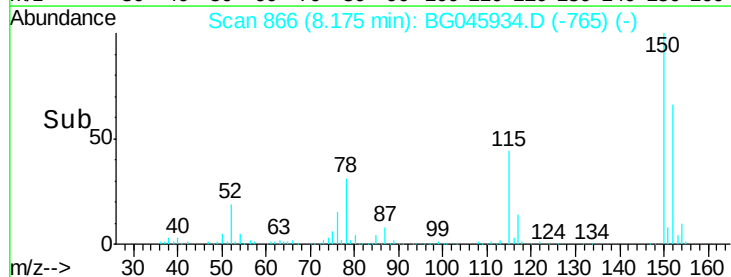
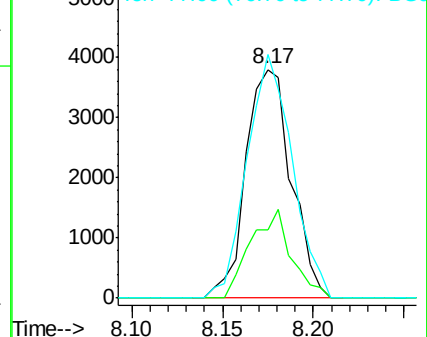
79 100

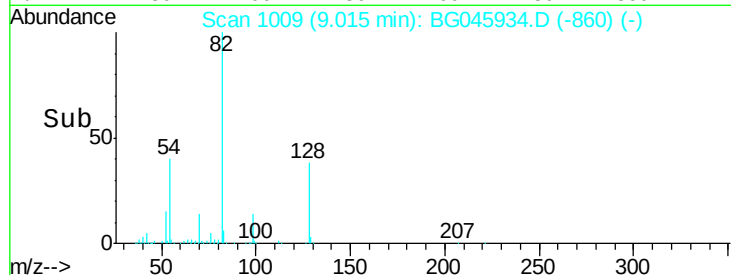
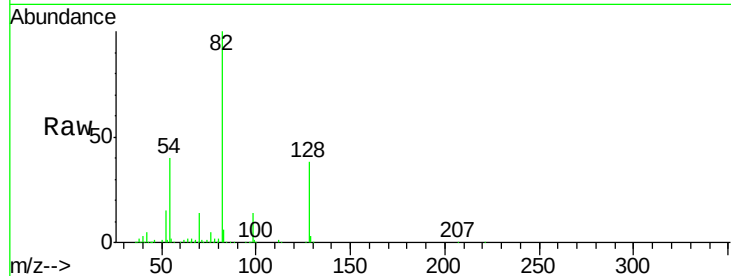
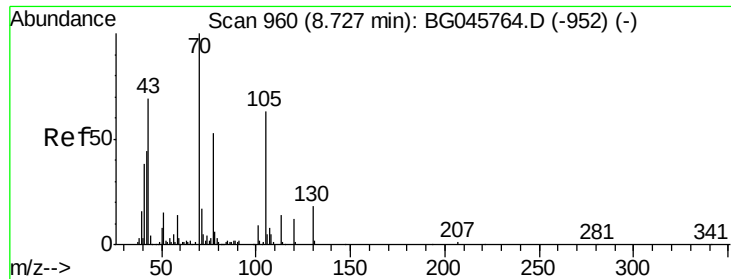
108 29.6 50.7 76.1#

77 106.5 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

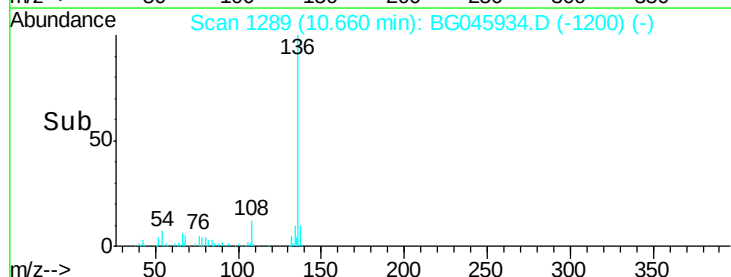
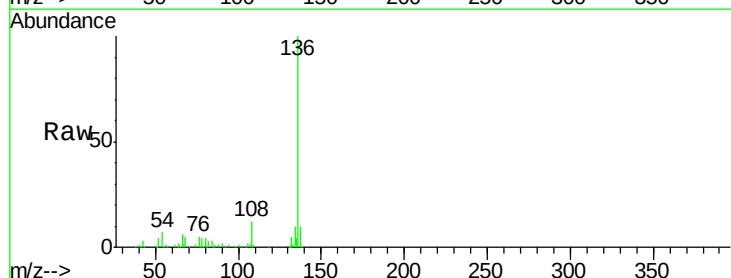
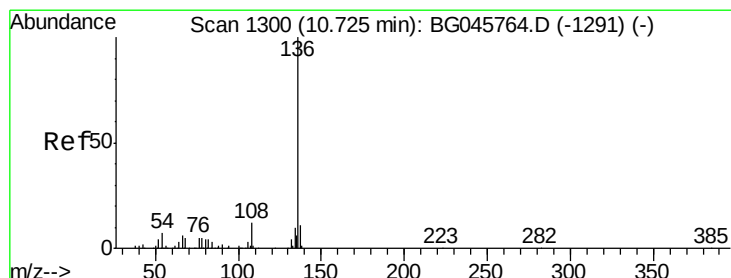
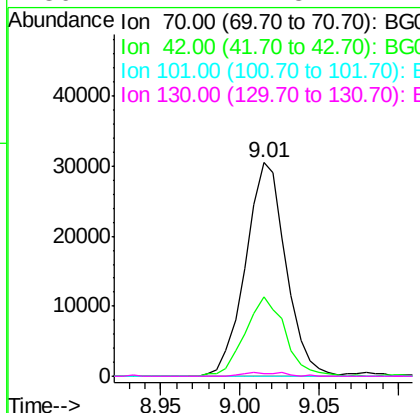




#19
n-Nitroso-di-n-propylamine
Concen: 19.227 ng
RT: 9.01 min Scan# 1009
Delta R.T. 0.35 min
Lab File: BG045934.D
Acq: 3 Jul 2020 5:27

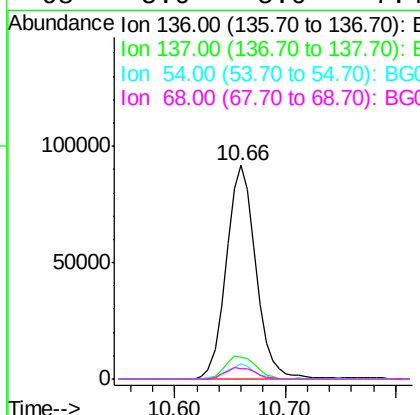
Instrument :
BNA_G
ClientSampleId :
MH-1-COMP

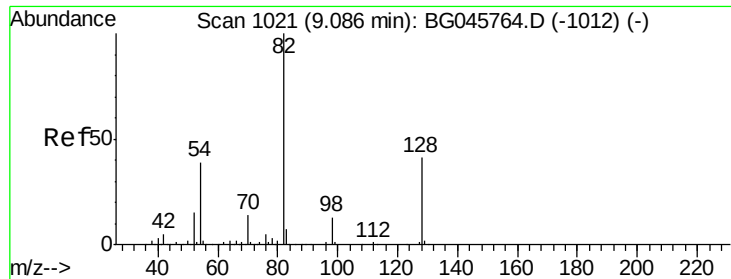
Tot Ion: 70 Resp: 53848
Ion Ratio Lower Upper
70 100
42 37.3 35.6 53.4
101 0.0 6.6 10.0#
130 1.4 14.8 22.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.66 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BG045934.D
Acq: 3 Jul 2020 5:27

Tgt Ion: 136 Resp: 171389
Ion Ratio Lower Upper
136 100
137 10.3 8.2 12.4
54 6.9 4.6 7.0
68 5.0 5.0 7.4

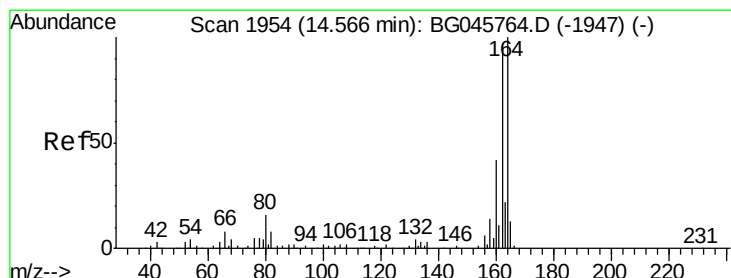
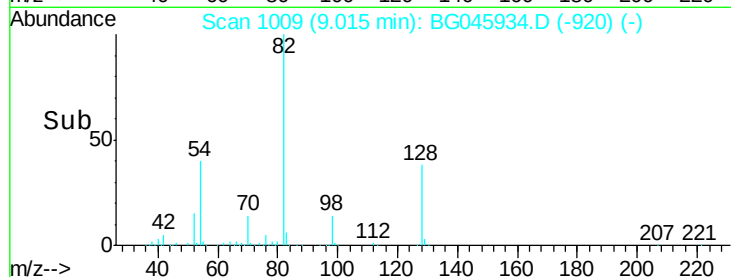
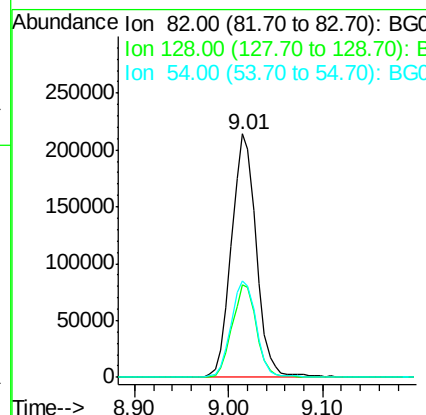
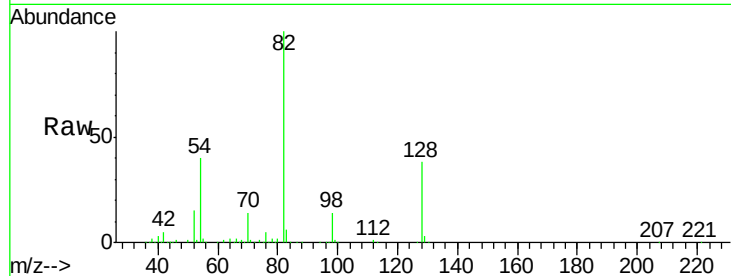




#23
Nitrobenzene-d5
Concen: 104.526 ng
RT: 9.01 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG045934.D
Acq: 3 Jul 2020 5:27

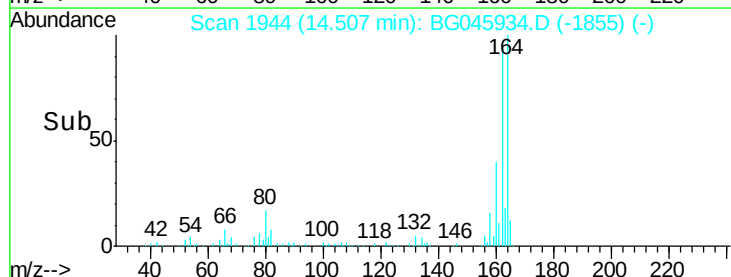
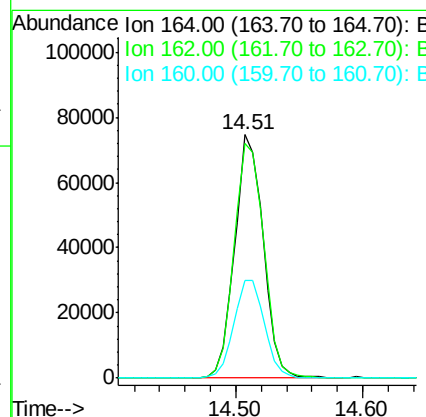
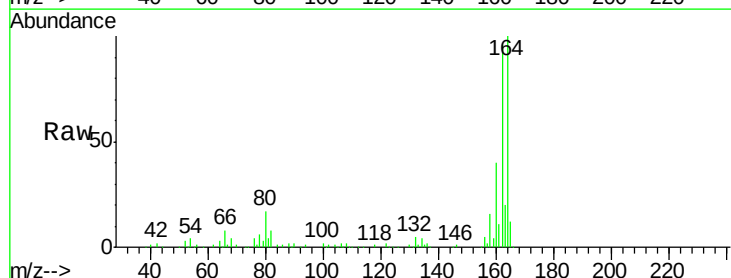
Instrument :
BNA_G
ClientSampleId :
MH-1-COMP

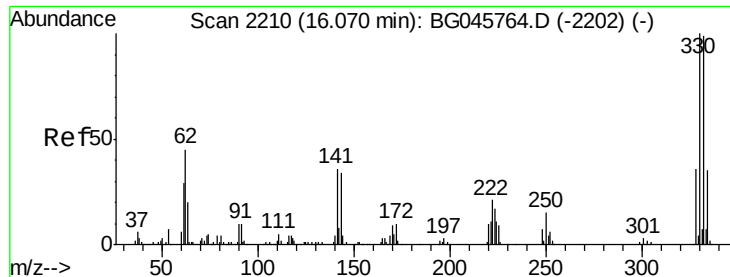
Tot Ion: 82 Resp: 392145
Ion Ratio Lower Upper
82 100
128 38.2 29.9 44.9
54 39.6 33.3 49.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.51 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG045934.D
Acq: 3 Jul 2020 5:27

Tgt Ion:164 Resp: 116045
Ion Ratio Lower Upper
164 100
162 96.4 78.8 118.2
160 39.9 33.8 50.6





#42

2,4,6-Tribromophenol

Concen: 144.319 ng

RT: 16.01 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG045934.D

Acq: 3 Jul 2020 5:27

Instrument :

BNA_G

ClientSampleId :

MH-1-COMP

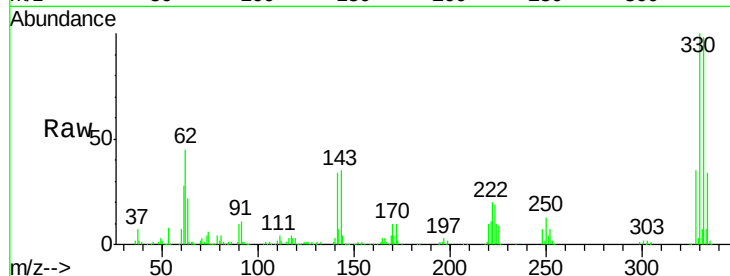
Tot Ion:330 Resp: 252843

Ion Ratio Lower Upper

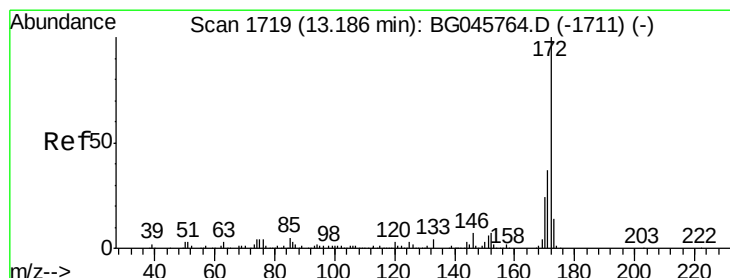
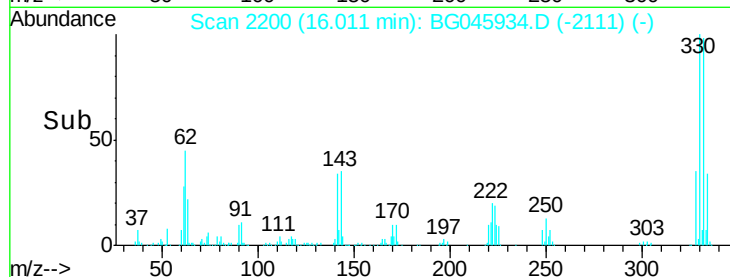
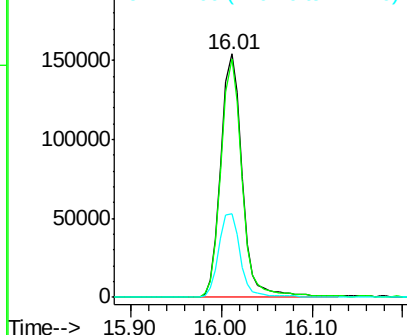
330 100

332 96.6 79.4 119.0

141 35.0 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: 107.452 ng

RT: 13.13 min Scan# 1709

Delta R.T. -0.01 min

Lab File: BG045934.D

Acq: 3 Jul 2020 5:27

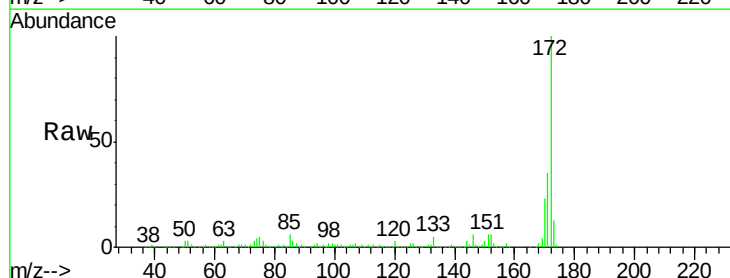
Tgt Ion:172 Resp: 848501

Ion Ratio Lower Upper

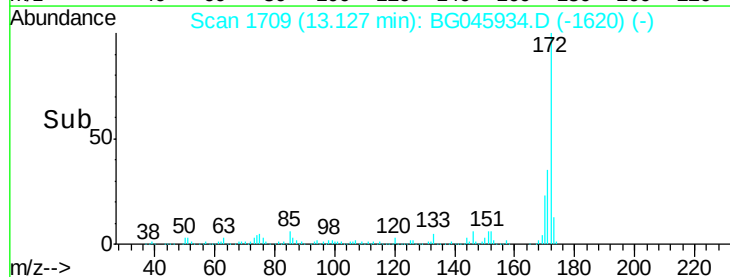
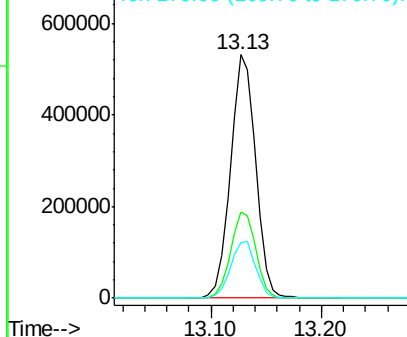
172 100

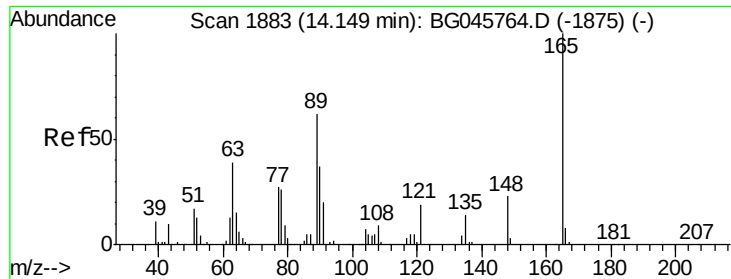
171 35.3 28.5 42.7

170 22.8 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

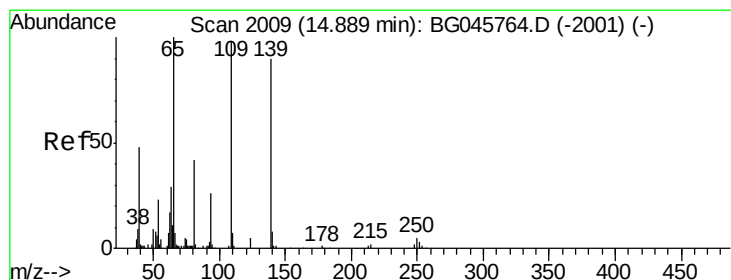
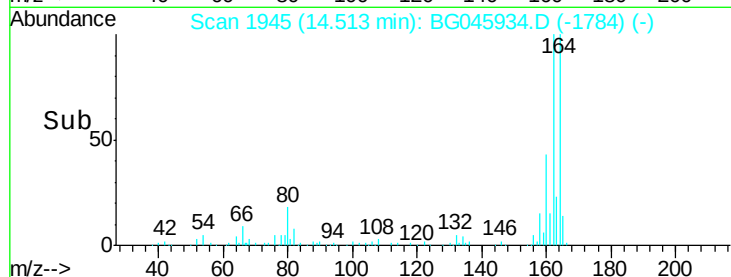
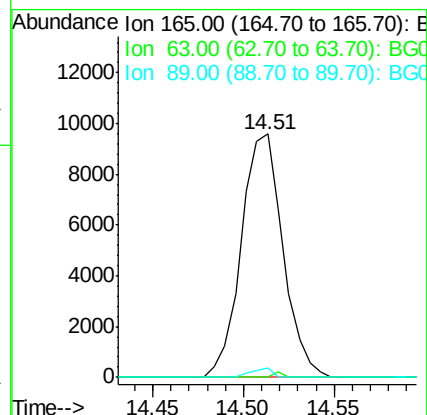
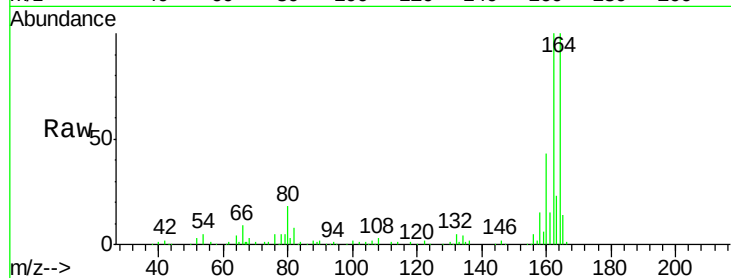




#51
 2,6-Dinitrotoluene
 Concen: 7.483 ng
 RT: 14.51 min Scan# 1945
 Delta R.T. 0.42 min
 Lab File: BG045934.D
 Acq: 3 Jul 2020 5:27

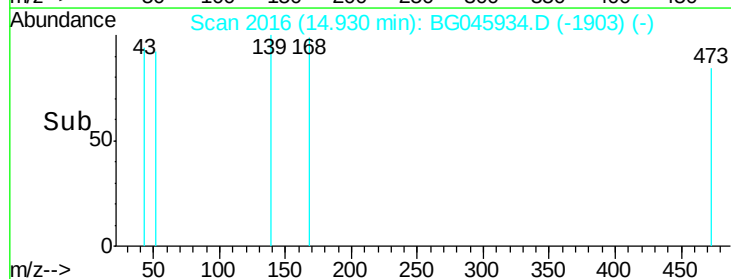
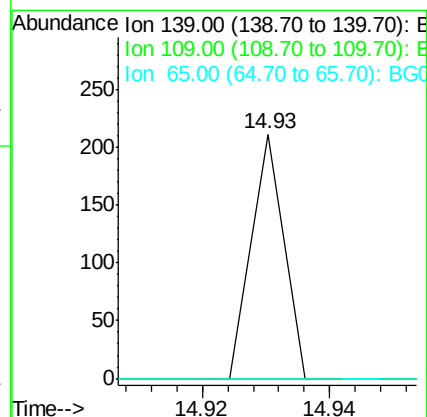
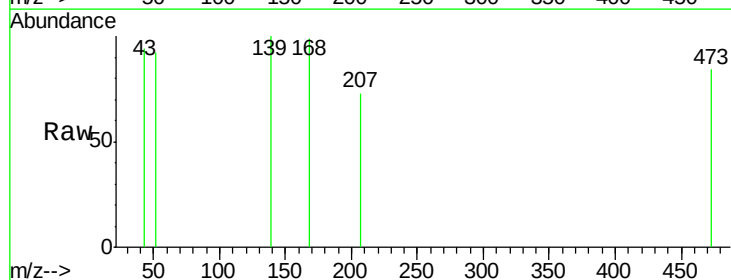
Instrument :
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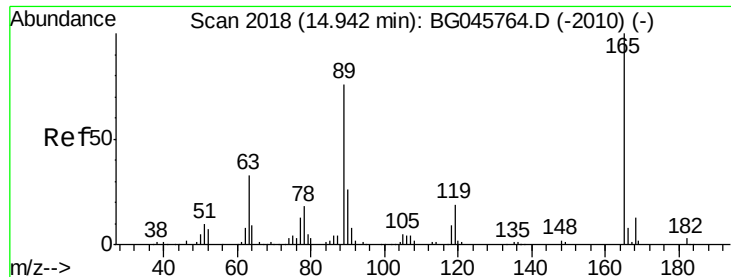
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.4	62.2#
89	3.9	45.4	68.0#



#56
 4-Nitrophenol
 Concen: 4.021 ng
 RT: 14.93 min Scan# 2016
 Delta R.T. 0.14 min
 Lab File: BG045934.D
 Acq: 3 Jul 2020 5:27

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	79.2	119.2#
65	0.0	91.0	131.0#

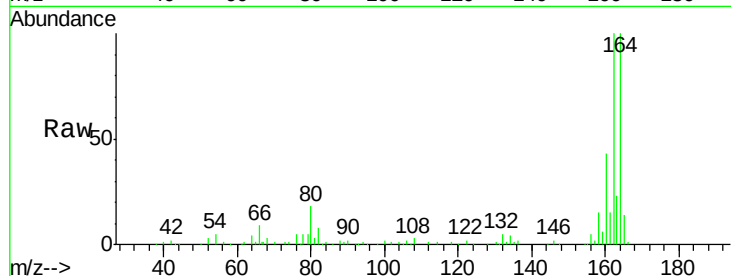




#57
 2,4-Dinitrotoluene
 Concen: 5.223 ng
 RT: 14.51 min Scan# 1945
 Delta R.T. -0.38 min
 Lab File: BG045934.D
 Acq: 3 Jul 2020 5:27

Instrument :
 BNA_G
 ClientSampleId :
 MH-1-COMP

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.5	51.7#
89	3.9	60.8	91.2#
182	0.0	2.3	3.5#

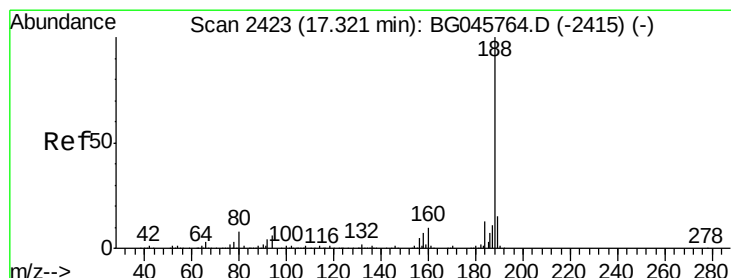
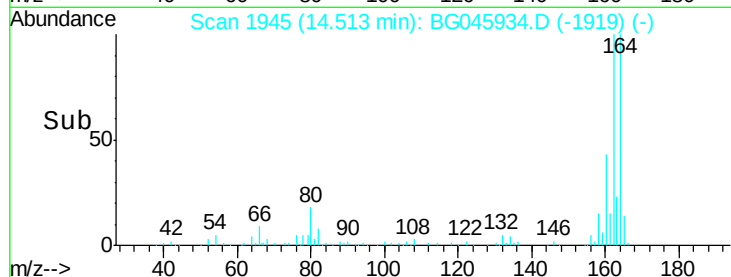
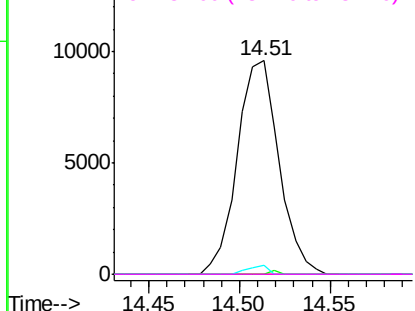


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

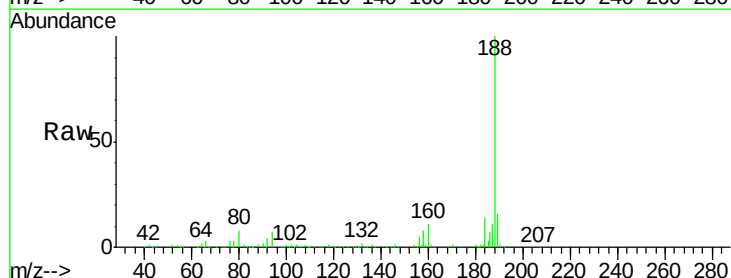
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.26 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BG045934.D
 Acq: 3 Jul 2020 5:27

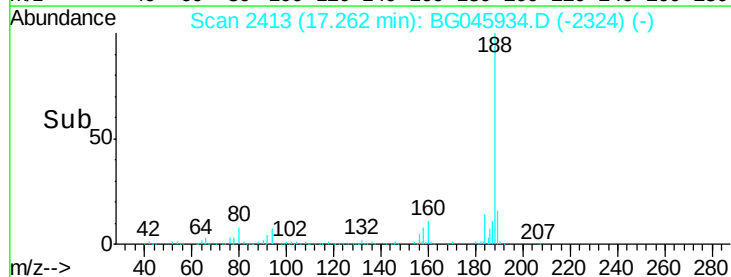
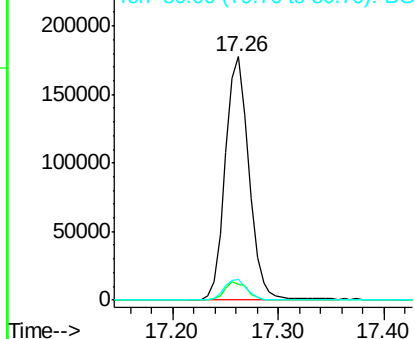
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.5	8.3
80	8.4	6.1	9.1

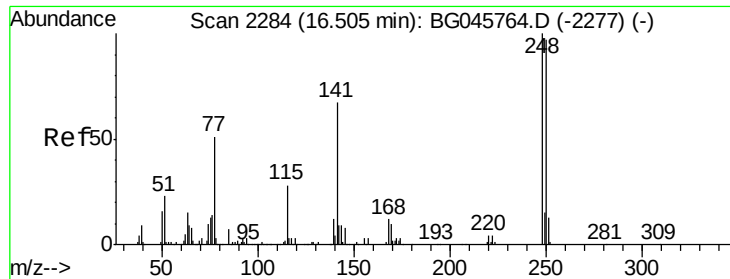


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

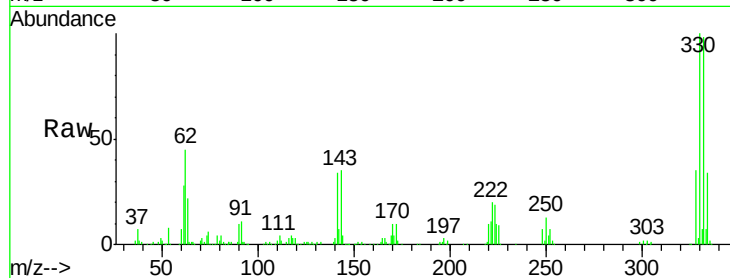




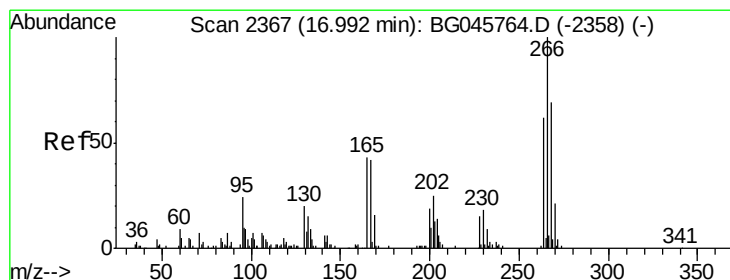
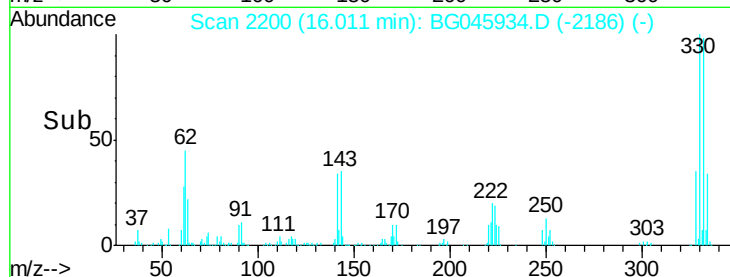
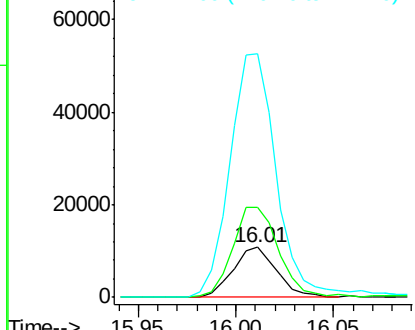
#67
 4-Bromophenyl-phenylether
 Concen: 4.694 ng
 RT: 16.01 min Scan# 2200
 Delta R.T. -0.45 min
 Lab File: BG045934.D
 Acq: 3 Jul 2020 5:27

Instrument :
 BNA_G
 ClientSampleId :
 MH-1-COMP

Tot Ion:248 Resp: 16866
 Ion Ratio Lower Upper
 248 100
 250 180.8 77.2 115.8#
 141 488.4 52.6 79.0#

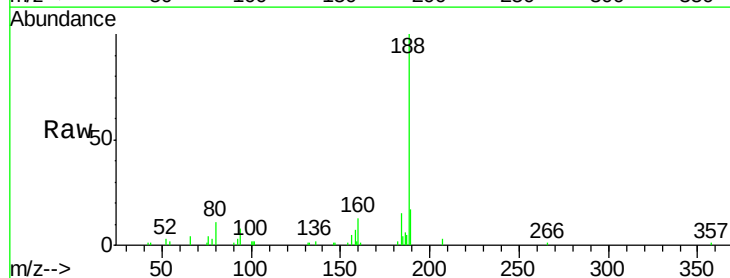


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

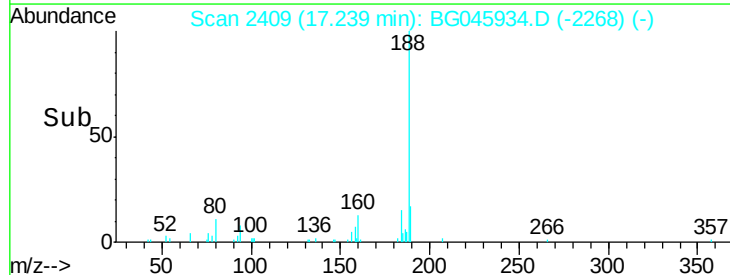
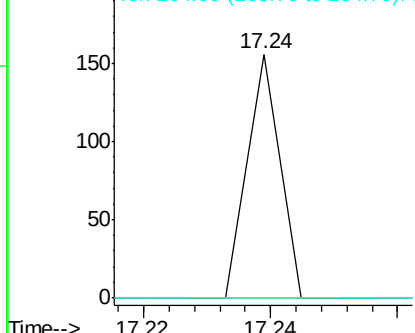


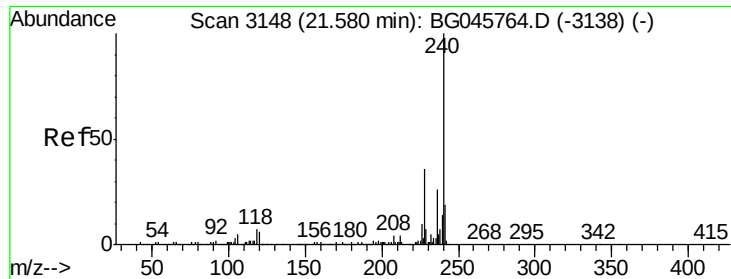
#70
 Pentachlorophenol
 Concen: 7.659 ng
 RT: 17.24 min Scan# 2409
 Delta R.T. 0.30 min
 Lab File: BG045934.D
 Acq: 3 Jul 2020 5:27

Tgt Ion:266 Resp: 55
 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

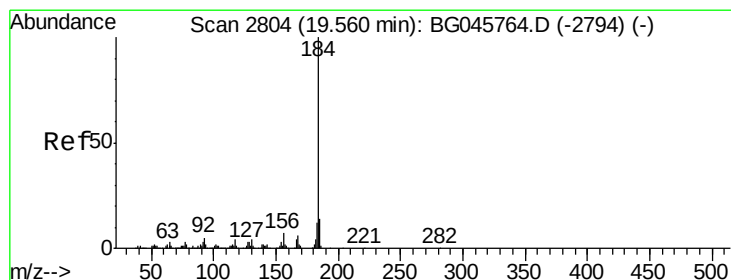
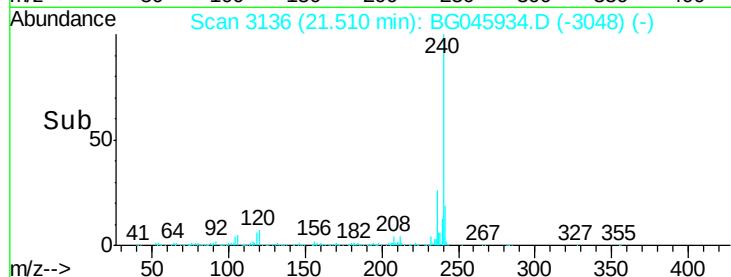
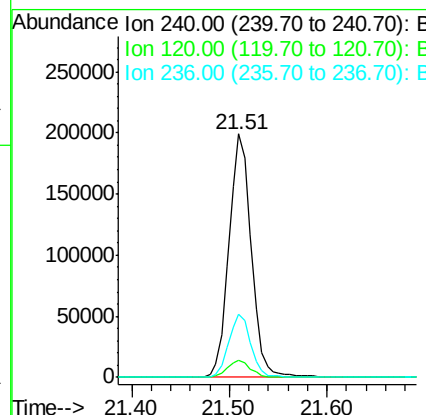
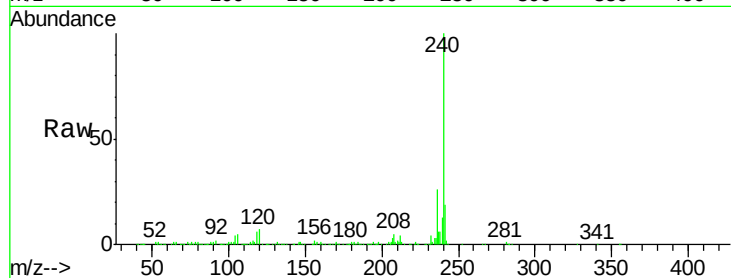




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.51 min Scan# 3136
 Delta R.T. -0.01 min
 Lab File: BG045934.D
 Acq: 3 Jul 2020 5:27

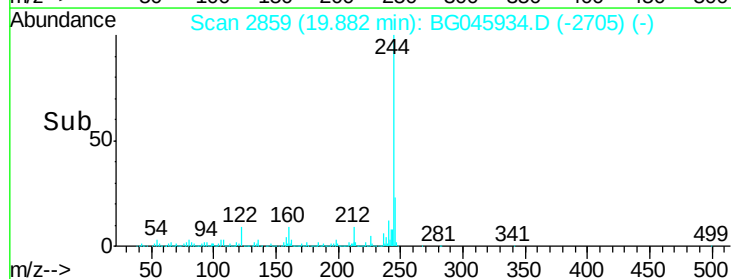
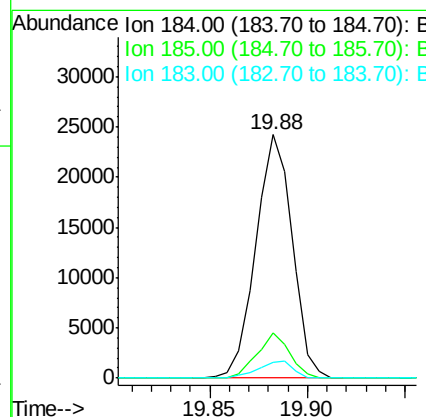
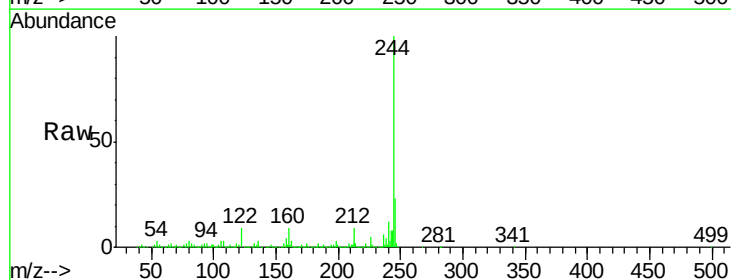
Instrument :
 BNA_G
 ClientSampleId :
 MH-1-COMP

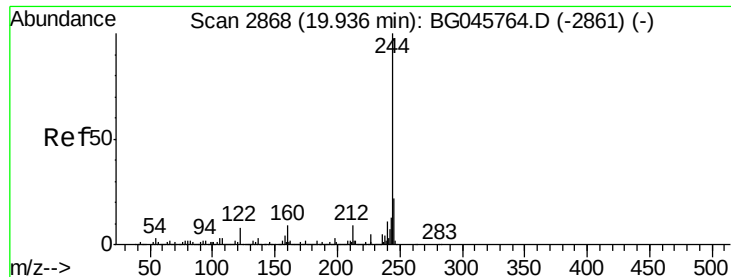
Tot Ion:240 Resp: 316014
 Ion Ratio Lower Upper
 240 100
 120 7.1 5.2 7.8
 236 26.1 20.8 31.2



#77
 Benzidine
 Concen: 3.802 ng
 RT: 19.88 min Scan# 2859
 Delta R.T. 0.38 min
 Lab File: BG045934.D
 Acq: 3 Jul 2020 5:27

Tgt Ion:184 Resp: 31234
 Ion Ratio Lower Upper
 184 100
 185 18.4 11.1 16.7#
 183 6.3 10.6 15.8#





#79

Terphenyl-d14

Concen: 105.516 ng

RT: 19.88 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG045934.D

Acq: 3 Jul 2020 5:27

Instrument :

BNA_G

ClientSampleId :

MH-1-COMP

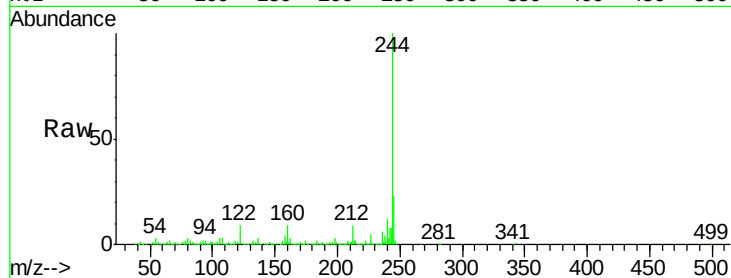
Tot Ion:244 Resp: 1645342

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.6

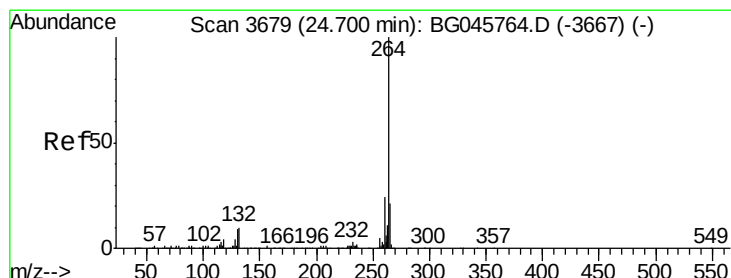
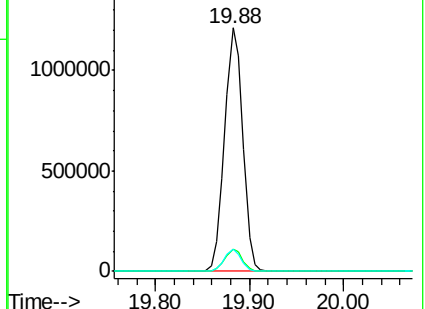
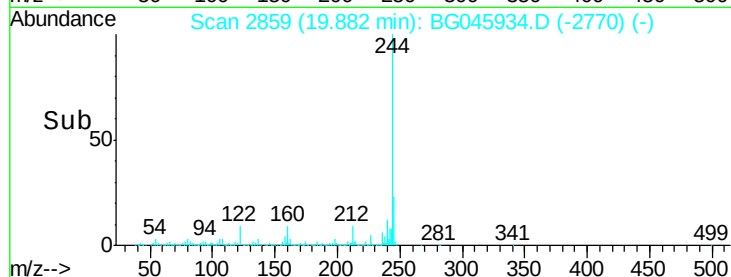
122 8.9 6.6 9.8



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: BG045934.D

Acq: 3 Jul 2020 5:27

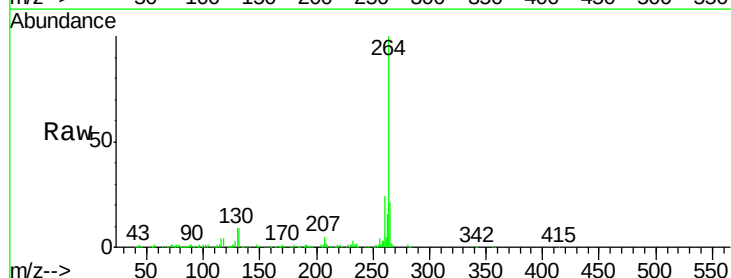
Tgt Ion:264 Resp: 318971

Ion Ratio Lower Upper

264 100

260 23.9 18.5 27.7

265 21.0 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

