

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG032420\
 Data File : BG044929.D
 Acq On : 24 Mar 2020 14:12
 Operator : CG/JU
 Sample : PB127768BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB127768BL

Quant Time: Mar 24 15:31:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 23 07:18:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	88902	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	325169	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	213980	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	496886	20.00	ng	0.00
76) Chrysene-d12	21.69	240	518090	20.00	ng	-0.01
87) Perylene-d12	24.90	264	534752	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	704527	123.36	ng	0.00
7) Phenol-d6	7.21	99	967109	116.55	ng	0.00
23) Nitrobenzene-d5	9.20	82	625366	84.39	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	360717	128.75	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1338181	89.56	ng	0.00
79) Terphenyl-d14	20.03	244	2212104	79.87	ng	0.00

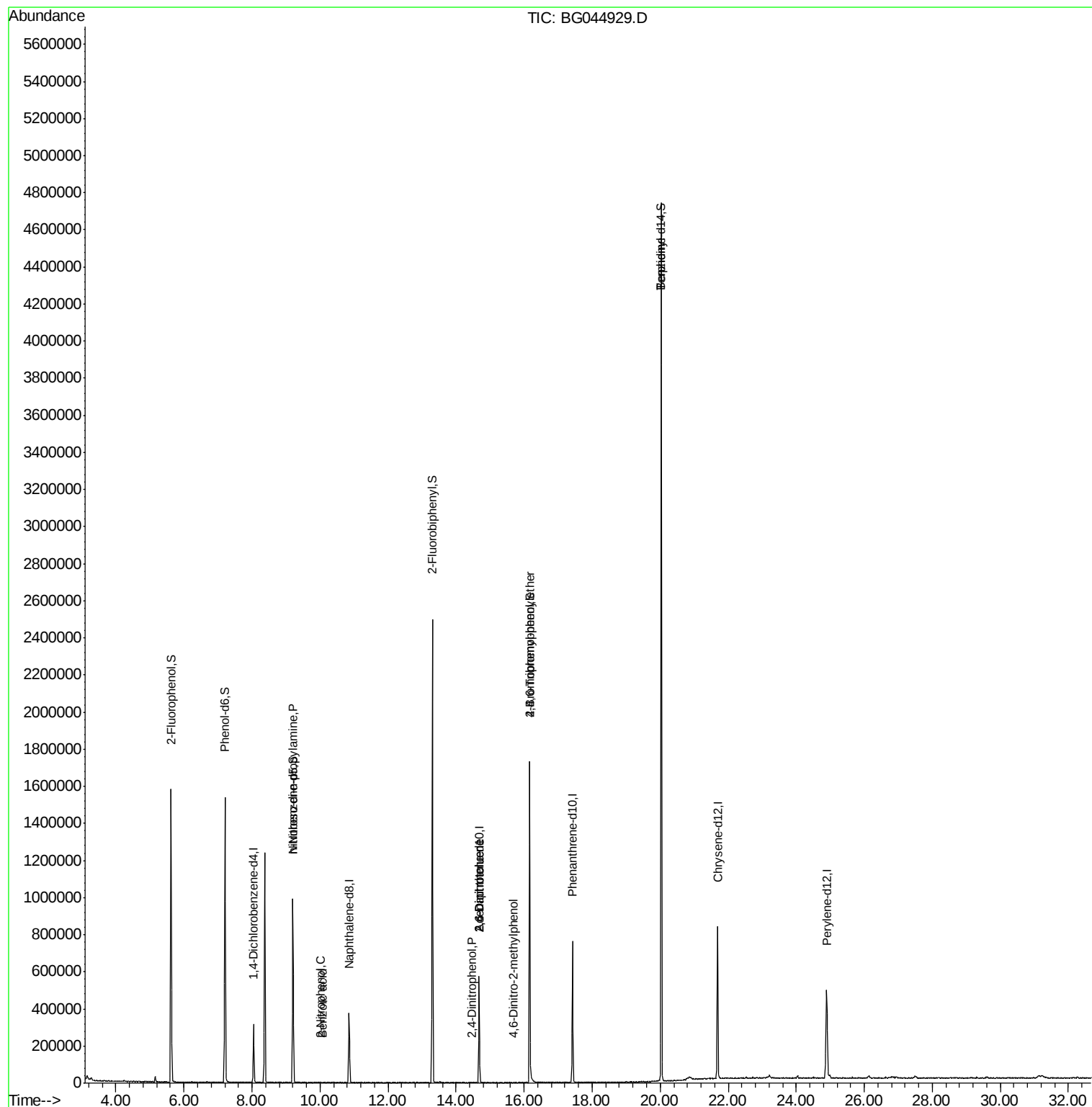
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	1747	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.20	70	83835	14.309	ng	# 79
26) 2-Nitrophenol	10.03	139	77	5.541	ng	# 28
32) Benzoic acid	10.06	122	54	9.682	ng	# 1
51) 2,6-Dinitrotoluene	14.68	165	27952	8.137	ng	# 21
54) 2,4-Dinitrophenol	14.47	184	57	8.351	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	27952	5.933	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.68	198	53	7.747	ng	# 33
67) 4-Bromophenyl-phenylether	16.16	248	24084	3.877	ng	# 1
77) Benzidine	20.03	184	42264	2.513	ng	# 91

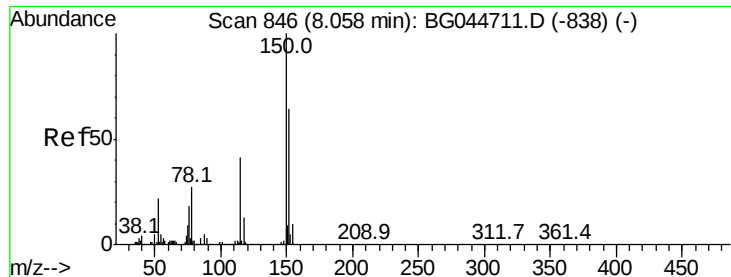
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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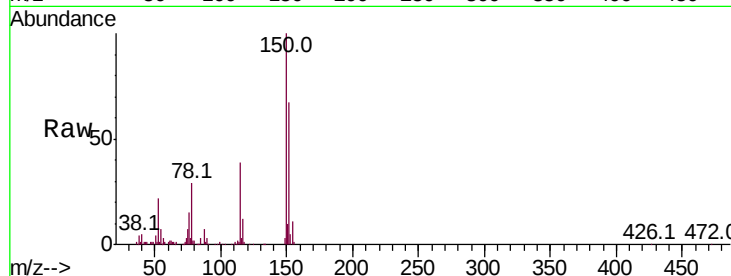


#1

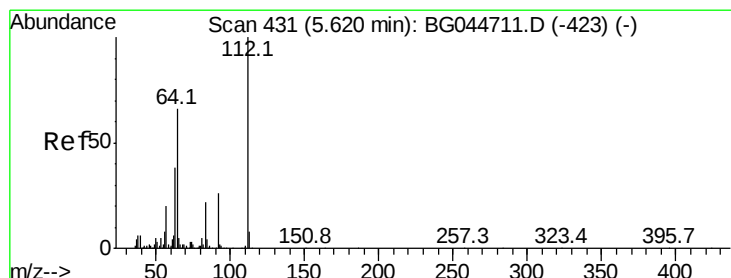
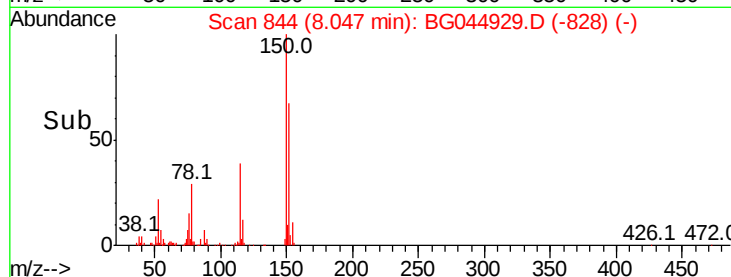
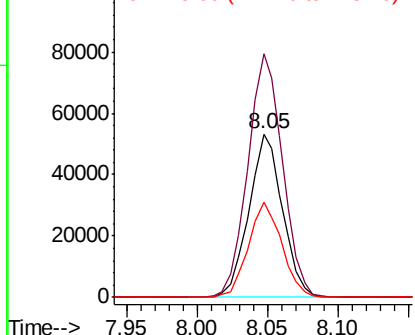
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG044929.D
Acq: 24 Mar 2020 14:12

Instrument :
BNA_G
ClientSampleId :
PB127768BL

Tot Ion:152 Resp: 88902
Ion Ratio Lower Upper
152 100
150 149.0 128.8 193.2
115 58.6 52.6 79.0



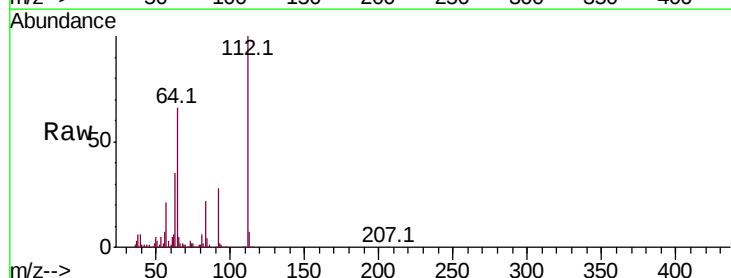
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



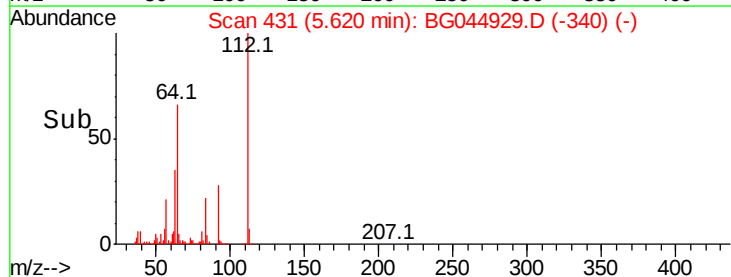
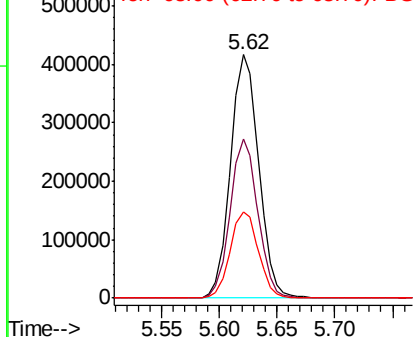
#5

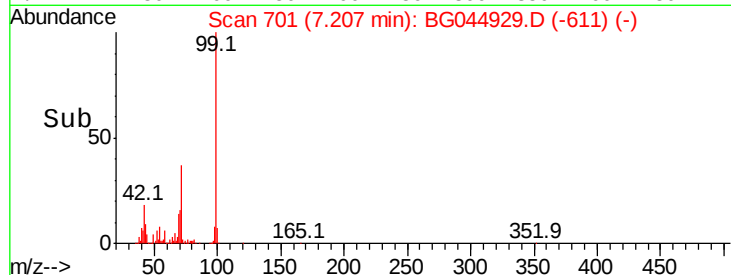
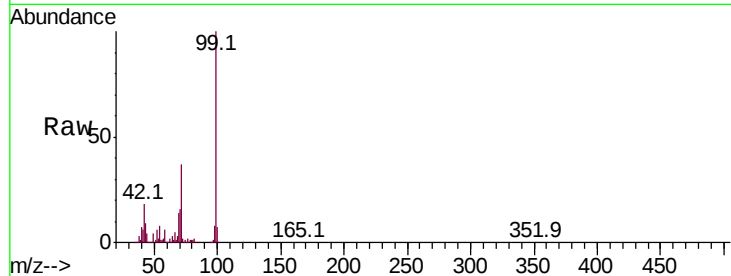
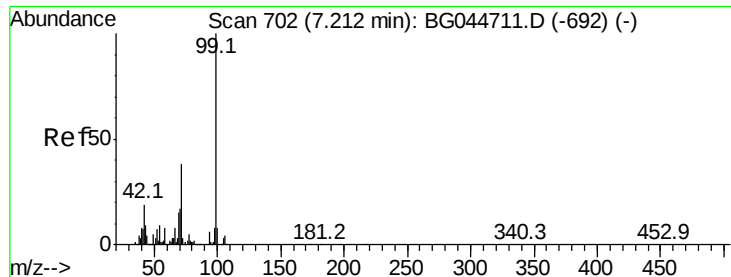
2-Fluorophenol
Concen: 123.364 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG044929.D
Acq: 24 Mar 2020 14:12

Tgt Ion:112 Resp: 704527
Ion Ratio Lower Upper
112 100
64 65.6 53.4 80.2
63 35.3 29.4 44.2



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: 116.553 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG044929.D

Acq: 24 Mar 2020 14:12

Instrument :

BNA_G

ClientSampleId :

PB127768BL

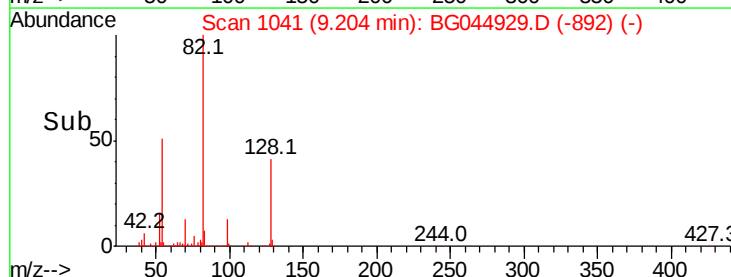
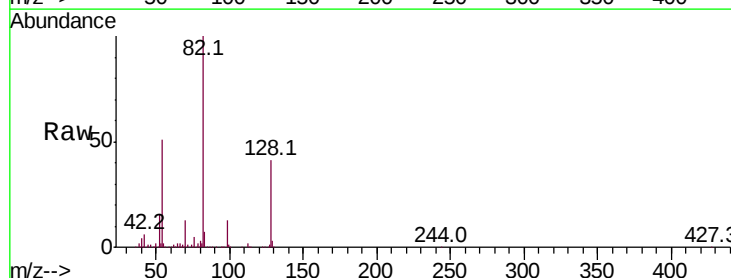
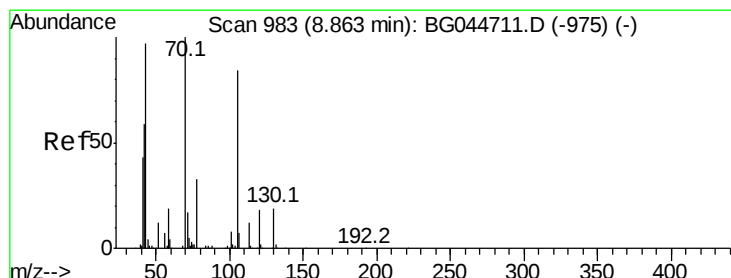
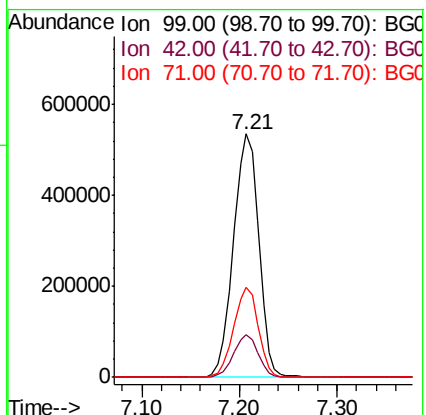
Tot Ion: 99 Resp: 967109

Ion Ratio Lower Upper

99 100

42 17.5 12.6 19.0

71 37.0 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.309 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044929.D

Acq: 24 Mar 2020 14:12

Tgt Ion: 70 Resp: 83835

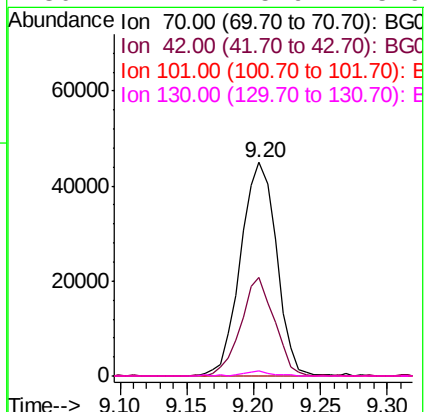
Ion Ratio Lower Upper

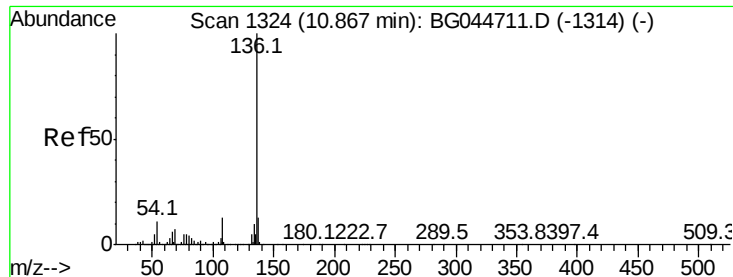
70 100

42 45.9 45.7 68.5

101 0.0 7.4 11.2#

130 2.7 15.9 23.9#

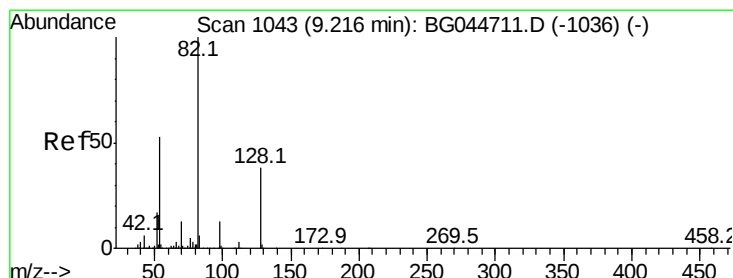
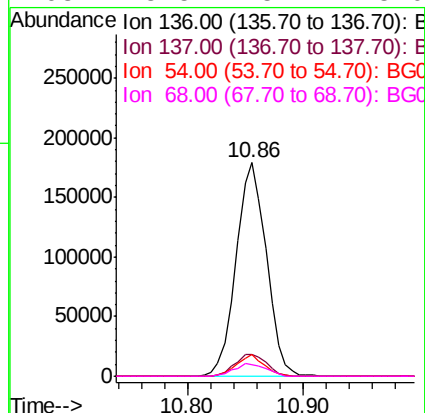
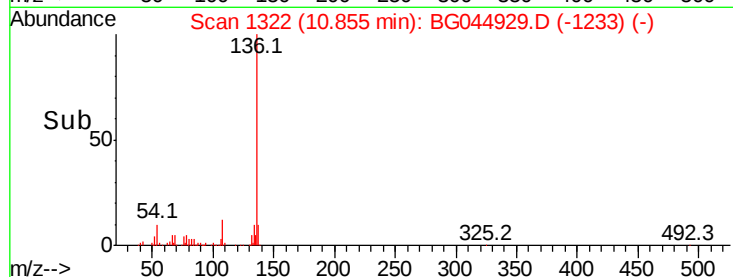
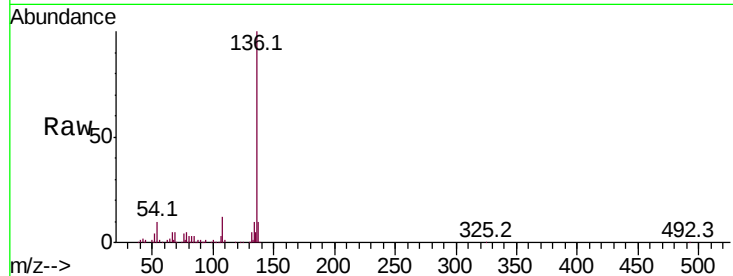




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG044929.D
Acq: 24 Mar 2020 14:12

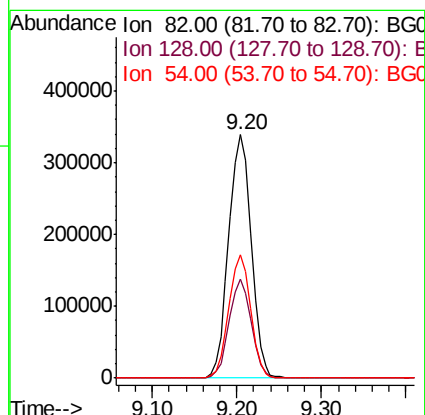
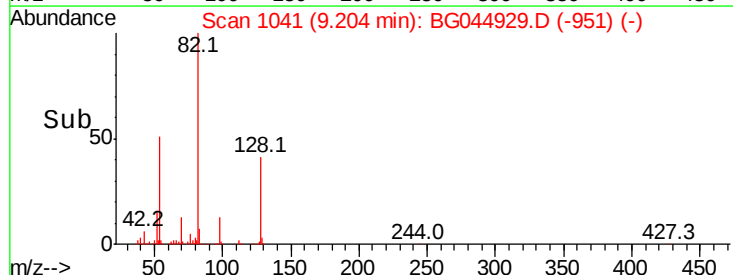
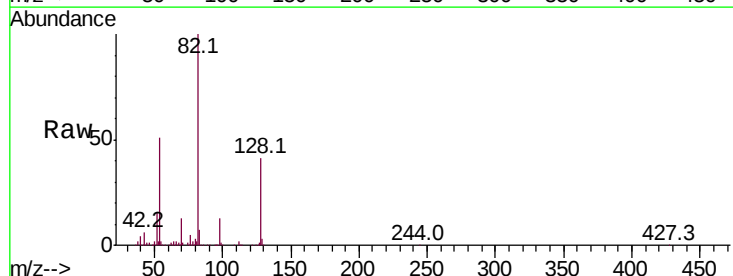
Instrument :
BNA_G
ClientSampleId :
PB127768BL

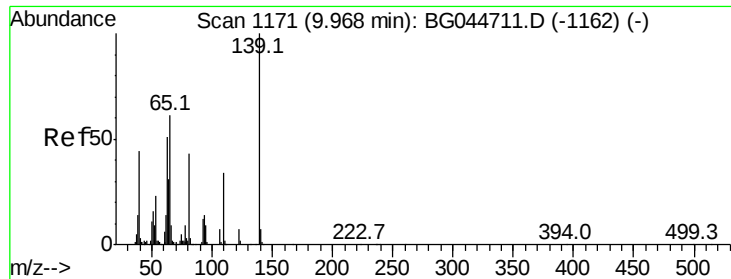
Tot Ion:136	Resp:	325169
Ion Ratio	Lower	Upper
136 100		
137 10.3	9.8	14.6
54 10.0	7.9	11.9
68 5.5	5.4	8.0



#23
Nitrobenzene-d5
Concen: 84.393 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BG044929.D
Acq: 24 Mar 2020 14:12

Tgt	Ion: 82	Resp:	625366
Ion	Ratio	Lower	Upper
82	100		
128	40.7	30.6	46.0
54	50.6	37.1	55.7





#26

2-Nitrophenol

Concen: 5.541 ng

RT: 10.03 min Scan# 1181

Delta R.T. 0.07 min

Lab File: BG044929.D

Acq: 24 Mar 2020 14:12

Instrument :

BNA_G

ClientSampleId :

PB127768BL

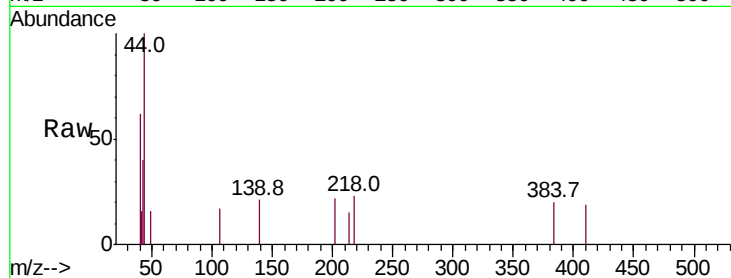
Tot Ion:139 Resp: 77

Ion Ratio Lower Upper

139 100

109 0.0 30.2 45.4#

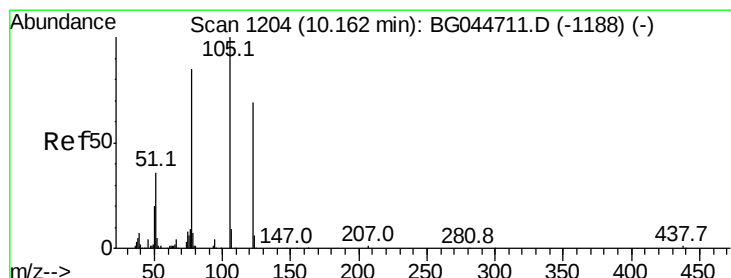
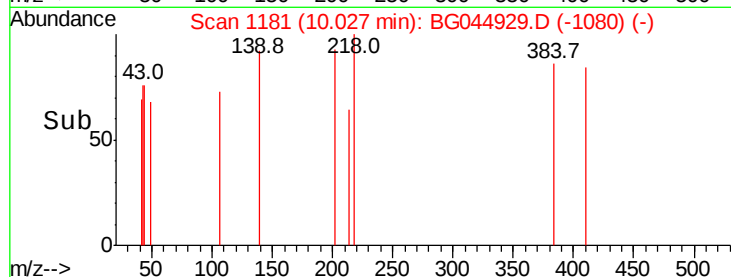
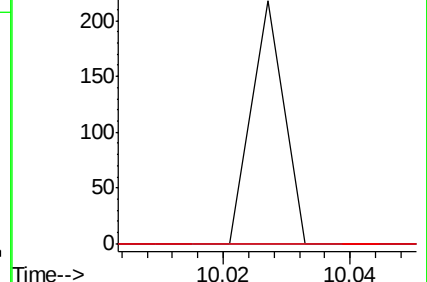
65 0.0 46.3 69.5#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#32

Benzoic acid

Concen: 9.682 ng

RT: 10.06 min Scan# 1187

Delta R.T. -0.08 min

Lab File: BG044929.D

Acq: 24 Mar 2020 14:12

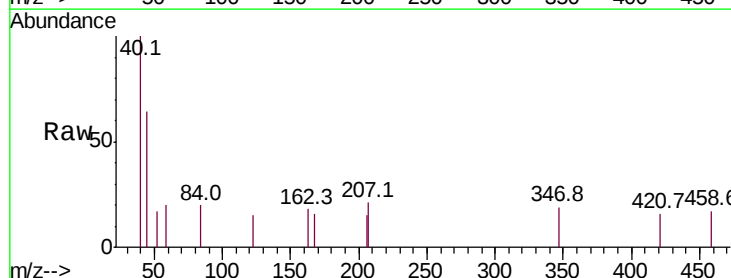
Tgt Ion:122 Resp: 54

Ion Ratio Lower Upper

122 100

105 0.0 109.1 149.1#

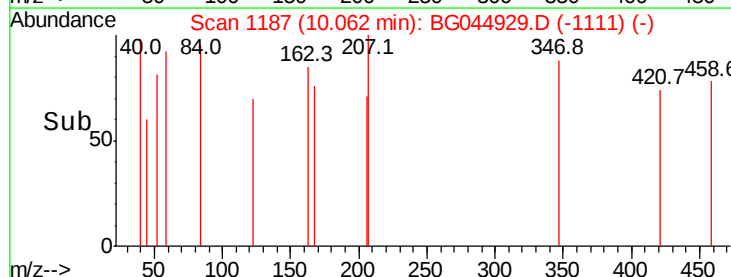
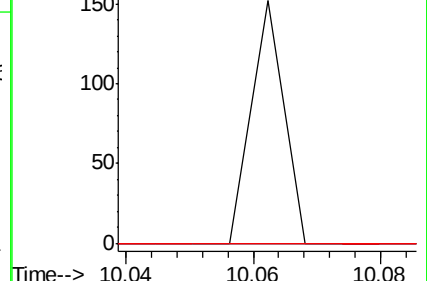
77 0.0 85.3 125.3#

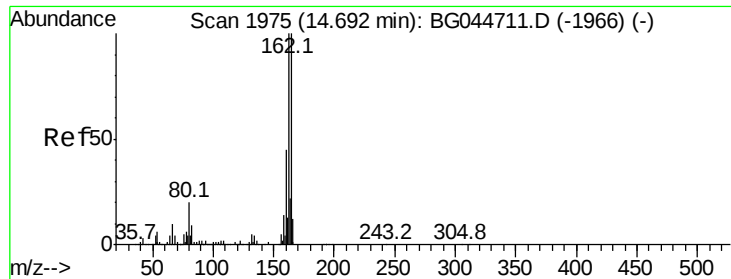


Abundance Ion 122.00 (121.70 to 122.70): E

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: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044929.D

Acq: 24 Mar 2020 14:12

Instrument :

BNA_G

ClientSampleId :

PB127768BL

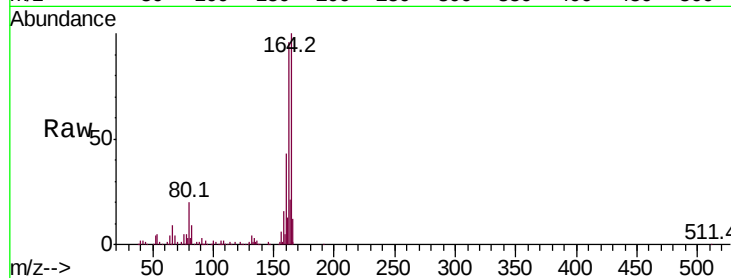
Tot Ion:164 Resp: 213980

Ion Ratio Lower Upper

164 100

162 96.4 76.7 115.1

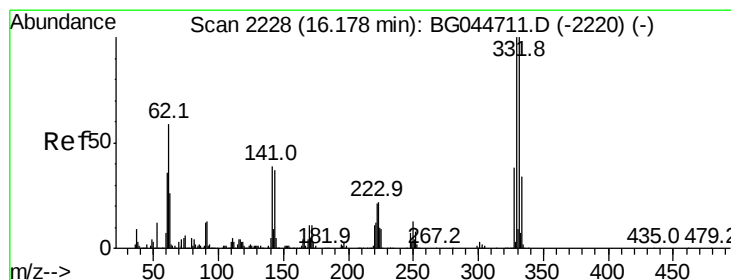
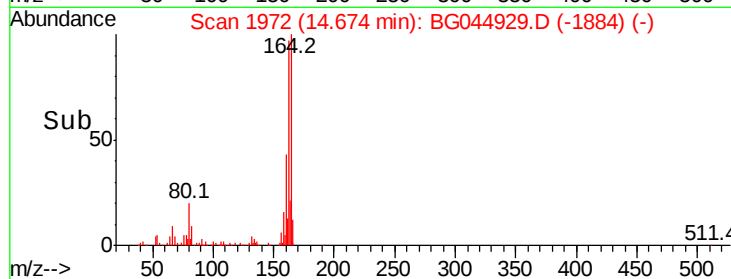
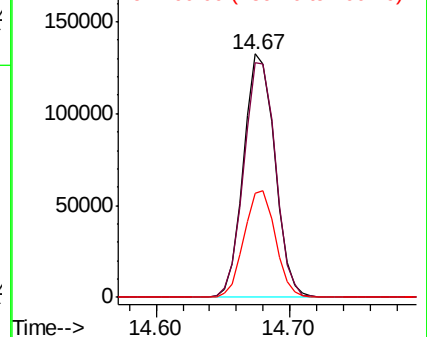
160 42.5 35.0 52.4



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: 128.747 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044929.D

Acq: 24 Mar 2020 14:12

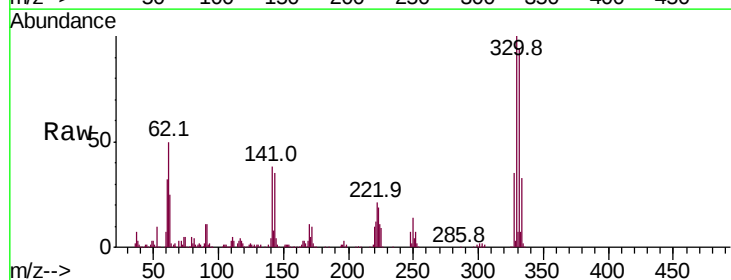
Tgt Ion:330 Resp: 360717

Ion Ratio Lower Upper

330 100

332 96.2 77.8 116.6

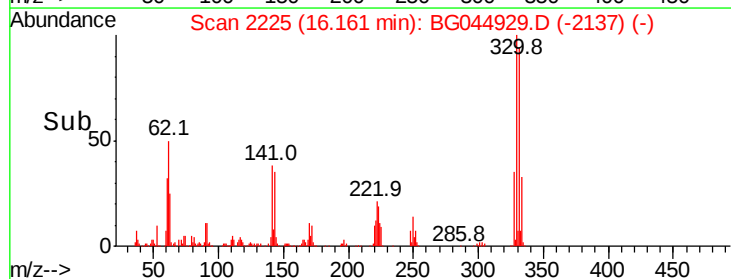
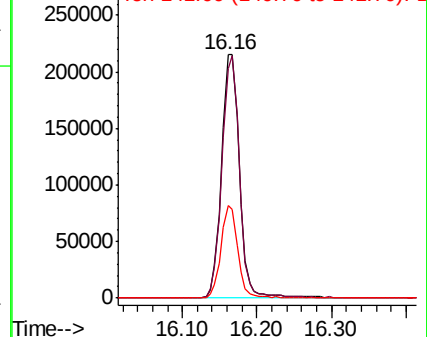
141 35.8 29.5 44.3

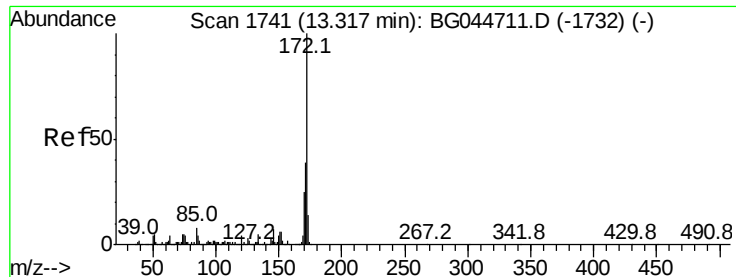


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

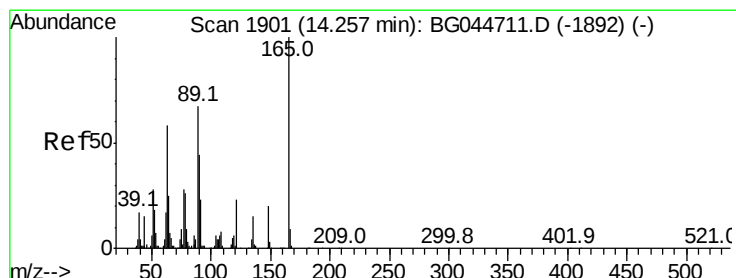
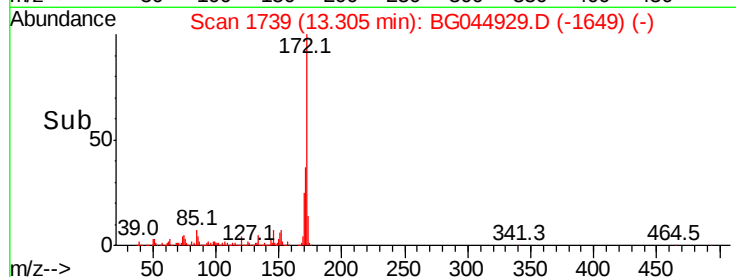
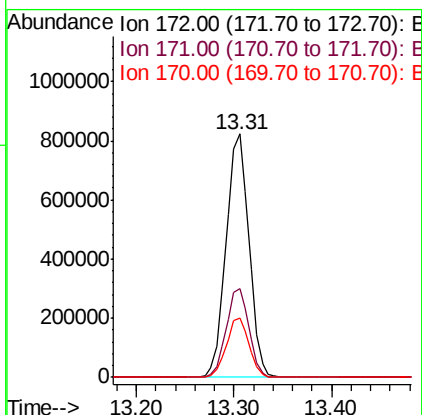
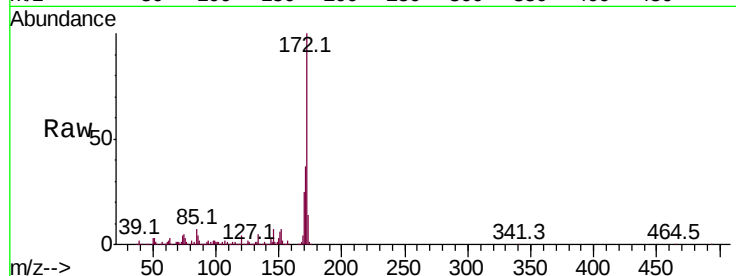




#45
2-Fluorobiphenyl
Concen: 89.556 ng
RT: 13.31 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044929.D
Acq: 24 Mar 2020 14:12

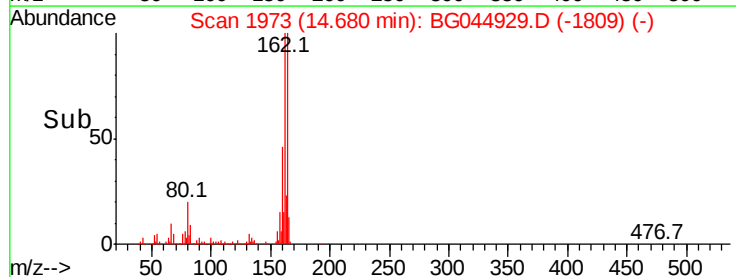
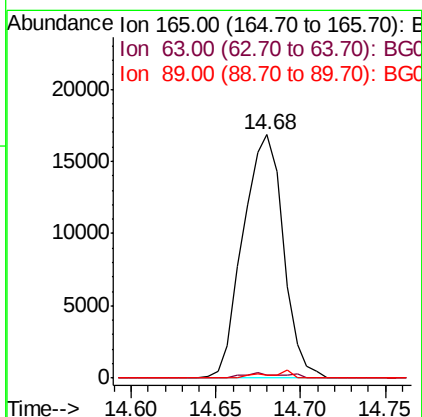
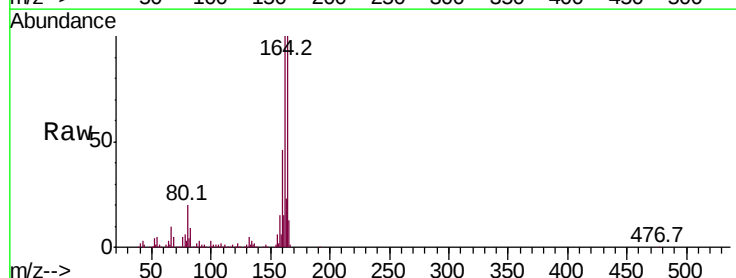
Instrument :
BNA_G
ClientSampleId :
PB127768BL

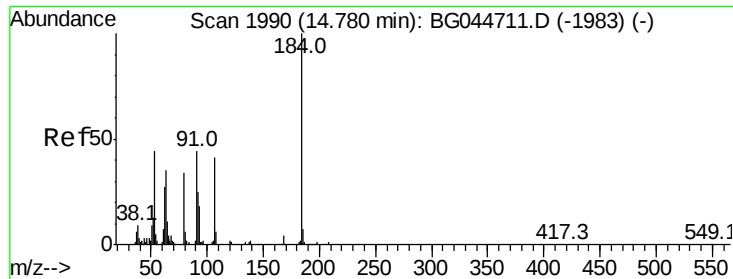
Tot Ion:172 Resp: 1338181
Ion Ratio Lower Upper
172 100
171 36.6 28.7 43.1
170 24.5 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.137 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.44 min
Lab File: BG044929.D
Acq: 24 Mar 2020 14:12

Tgt Ion:165 Resp: 27952
Ion Ratio Lower Upper
165 100
63 1.0 45.8 68.8#
89 1.0 51.8 77.6#

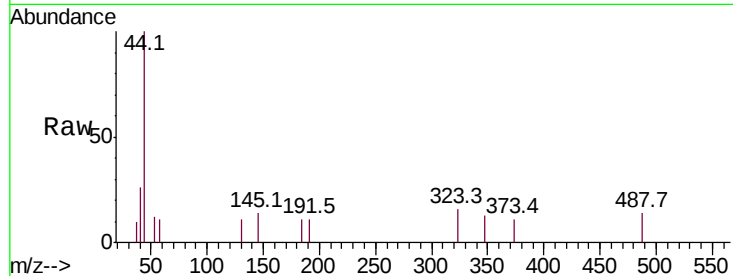




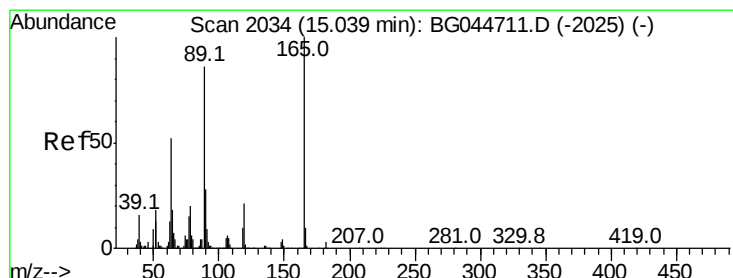
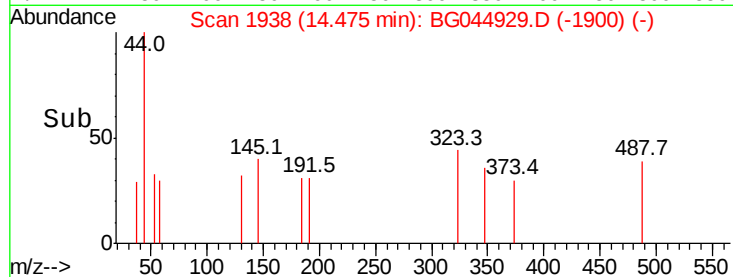
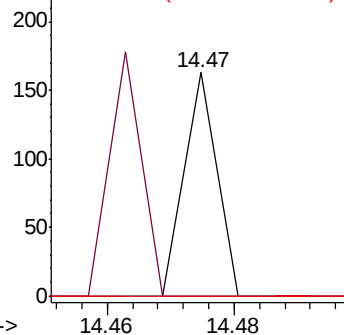
#54
 2,4-Dinitrophenol
 Concen: 8.351 ng
 RT: 14.47 min Scan# 1938
 Delta R.T. -0.30 min
 Lab File: BG044929.D
 Acq: 24 Mar 2020 14:12

Instrument :
 BNA_G
 ClientSampleId :
 PB127768BL

Tot Ion:184 Resp: 57
 Ion Ratio Lower Upper
 184 100
 63 0.0 45.5 68.3#
 154 0.0 49.1 73.7#

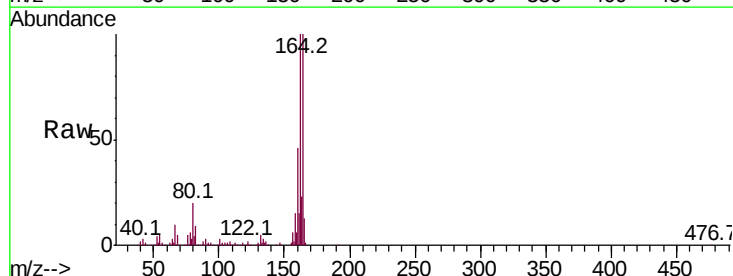


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

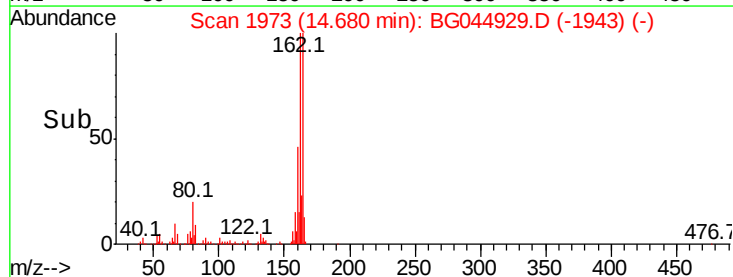
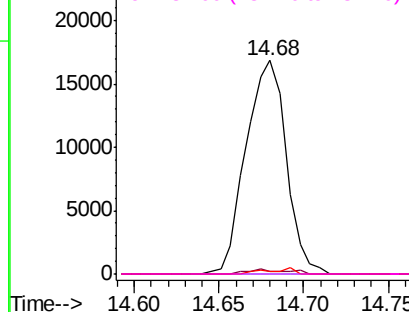


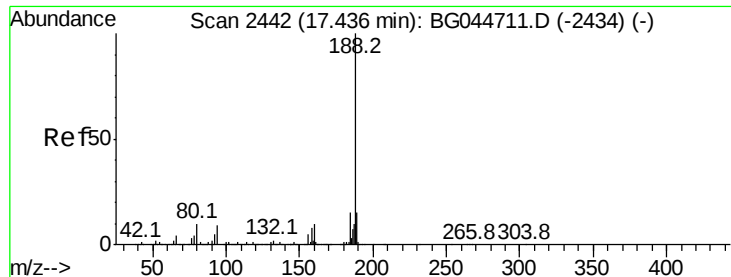
#57
 2,4-Dinitrotoluene
 Concen: 5.933 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.35 min
 Lab File: BG044929.D
 Acq: 24 Mar 2020 14:12

Tgt Ion:165 Resp: 27952
 Ion Ratio Lower Upper
 165 100
 63 1.0 34.6 52.0#
 89 1.0 61.3 91.9#
 182 0.0 2.2 3.2#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG044929.D

Acq: 24 Mar 2020 14:12

Instrument :

BNA_G

ClientSampleId :

PB127768BL

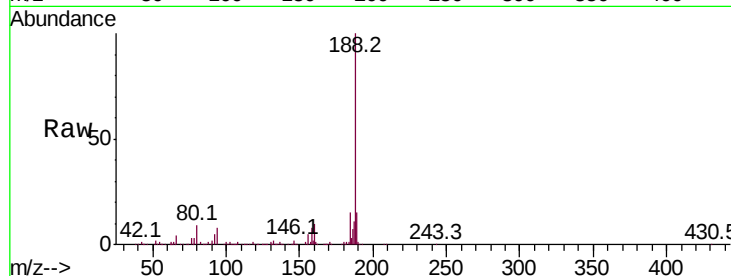
Tot Ion:188 Resp: 496886

Ion Ratio Lower Upper

188 100

94 7.6 7.3 10.9

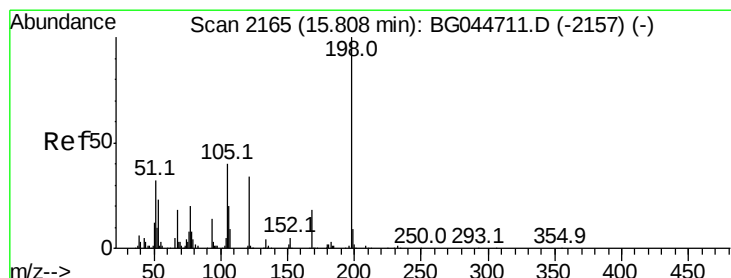
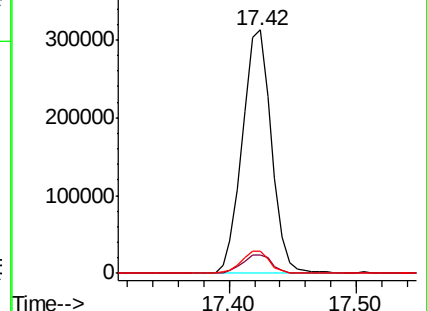
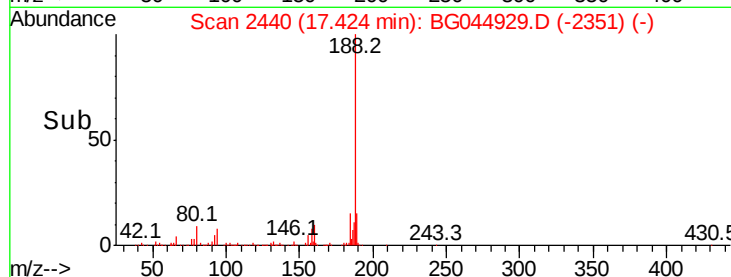
80 9.0 8.0 12.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.747 ng

RT: 15.68 min Scan# 2143

Delta R.T. -0.12 min

Lab File: BG044929.D

Acq: 24 Mar 2020 14:12

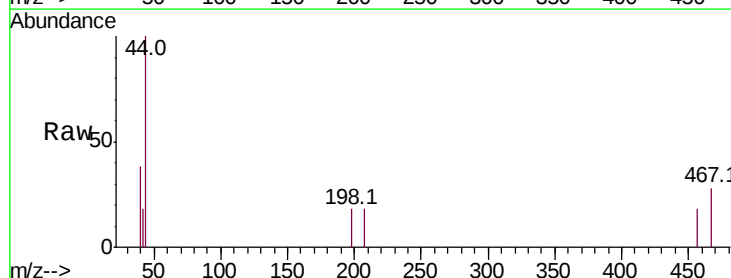
Tgt Ion:198 Resp: 53

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

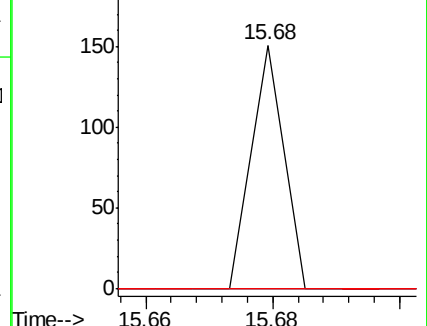
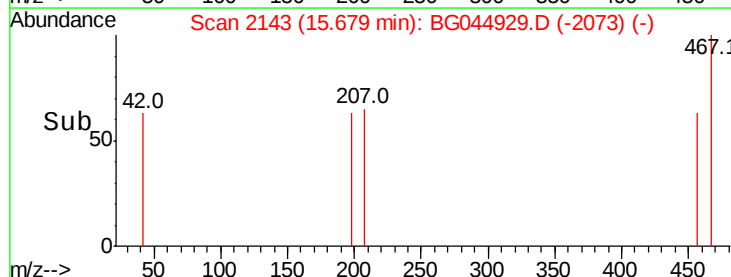
105 0.0 24.5 64.5#

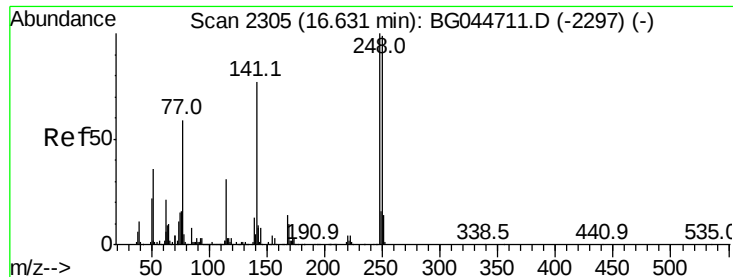


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

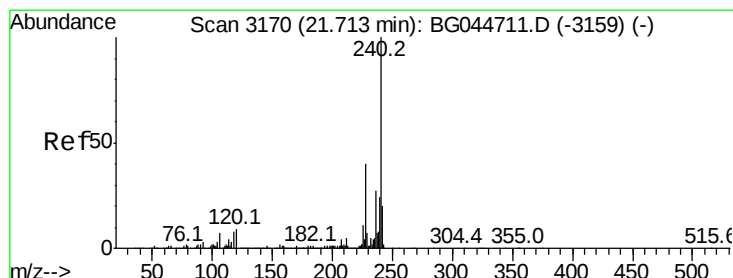
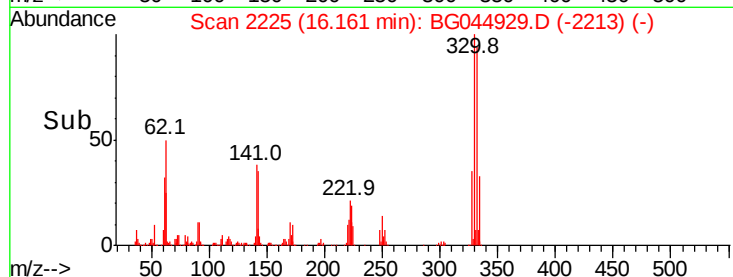
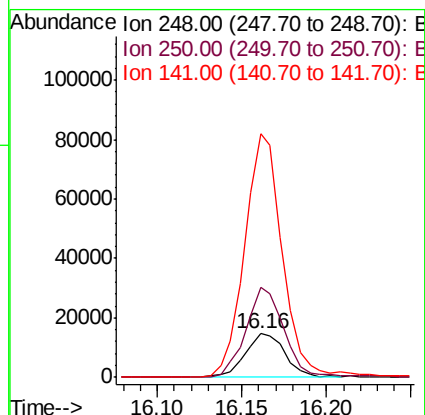
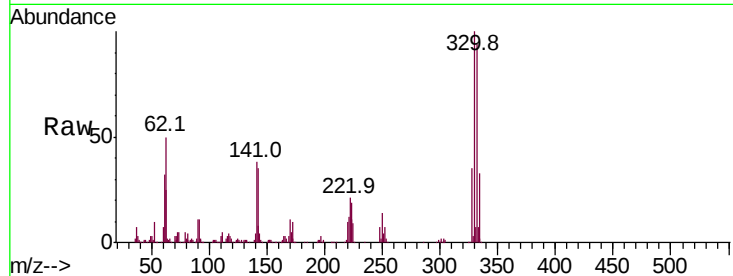




#67
 4-Bromophenyl-phenylether
 Concen: 3.877 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044929.D
 Acq: 24 Mar 2020 14:12

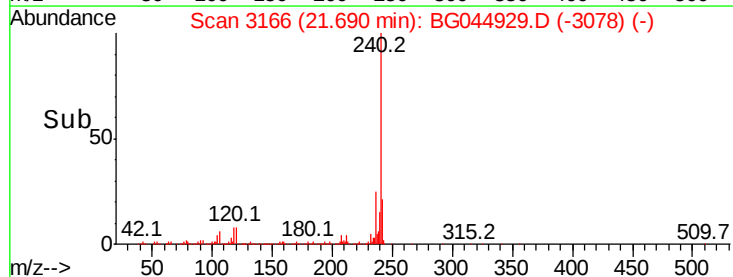
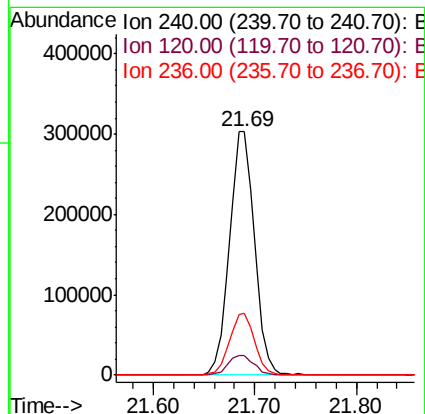
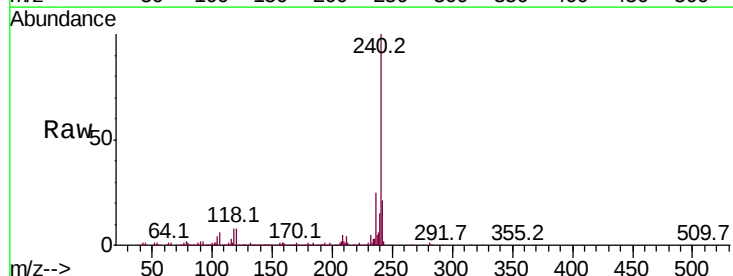
Instrument :
 BNA_G
 ClientSampleID :
 PB127768BL

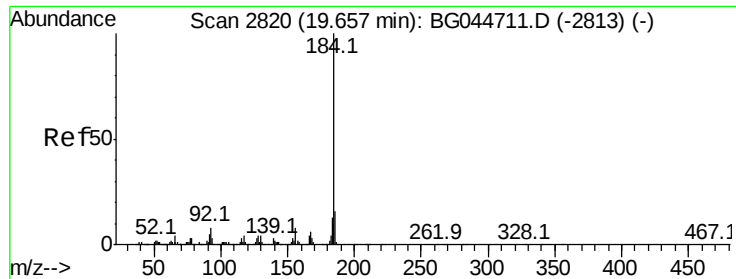
Tot Ion	Ratio	Lower	Upper
248	100		
250	207.4	77.9	116.9#
141	558.9	57.5	86.3#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG044929.D
 Acq: 24 Mar 2020 14:12

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.7	10.1
236	25.3	21.5	32.3





#77

Benzidine

Concen: 2.513 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044929.D

Acq: 24 Mar 2020 14:12

Instrument :

BNA_G

ClientSampleId :

PB127768BL

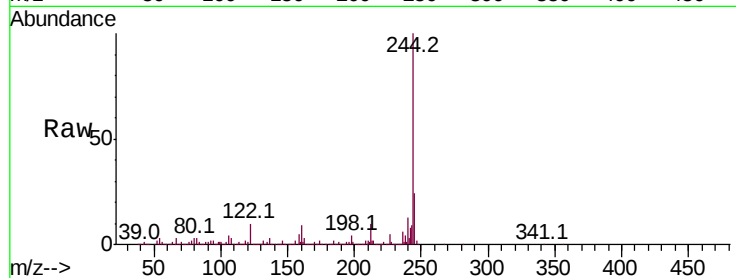
Tot Ion:184 Resp: 42264

Ion Ratio Lower Upper

184 100

185 15.4 12.2 18.4

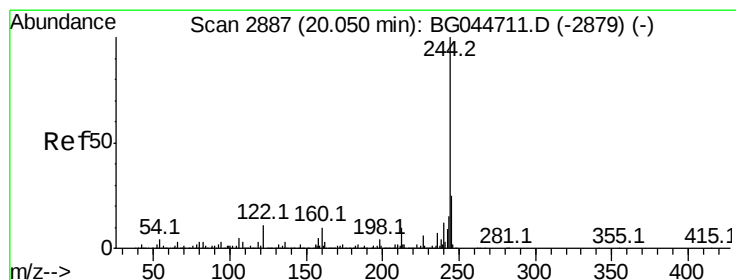
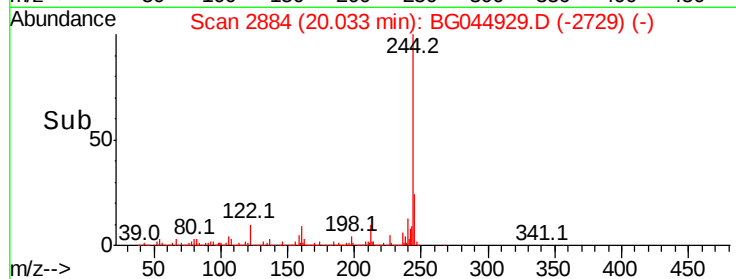
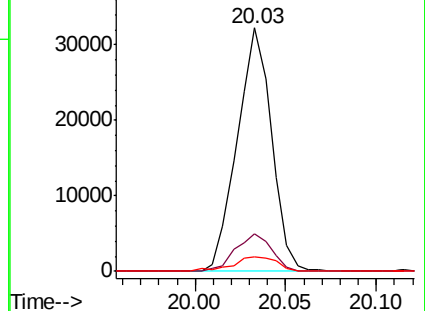
183 6.1 10.7 16.1#



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: 79.867 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044929.D

Acq: 24 Mar 2020 14:12

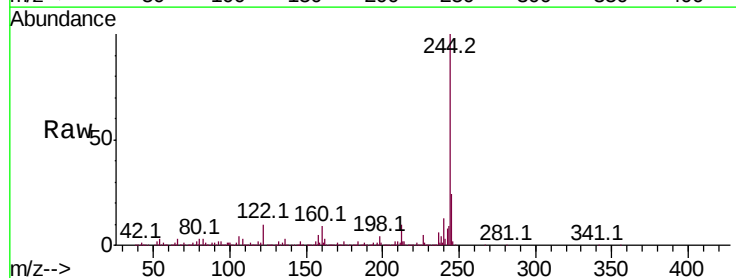
Tgt Ion:244 Resp: 2212104

Ion Ratio Lower Upper

244 100

212 9.9 7.7 11.5

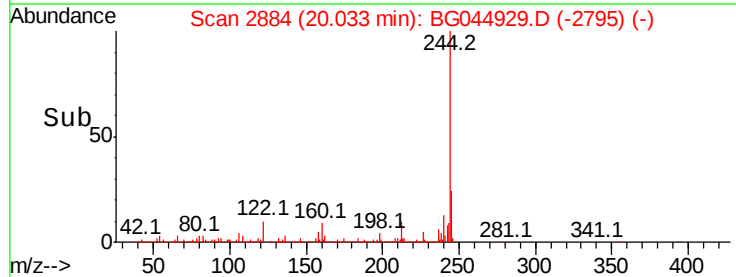
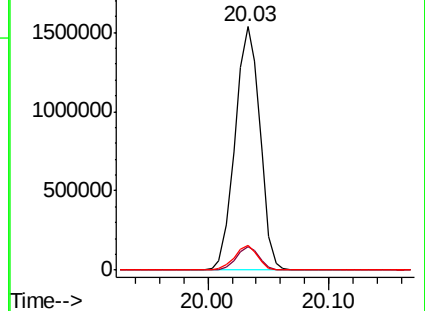
122 10.1 8.6 12.8

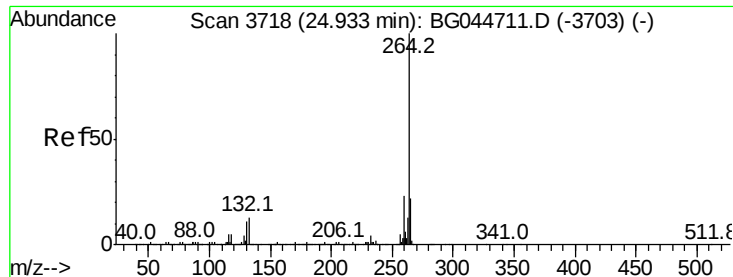


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.90 min Scan# 3712
 Delta R.T. -0.01 min
 Lab File: BG044929.D
 Acq: 24 Mar 2020 14:12

Instrument :
 BNA_G
 ClientSampleId :
 PB127768BL

Tot Ion:	264	Resp:	534752
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.1	27.1
265	20.2	17.1	25.7

