

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044857.D
 Acq On : 18 Mar 2020 9:01
 Operator : CG/JU
 Sample : PB127536BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 18 11:48:11 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 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	82221	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	324670	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	227123	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	517943	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	474484	20.00	ng	-0.02
87) Perylene-d12	24.89	264	518498	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	579874	109.79	ng	0.00
7) Phenol-d6	7.20	99	818839	106.70	ng	0.00
23) Nitrobenzene-d5	9.20	82	532455	71.96	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	360823	121.33	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1157602	72.99	ng	0.00
79) Terphenyl-d14	20.03	244	1910714	75.33	ng	0.00

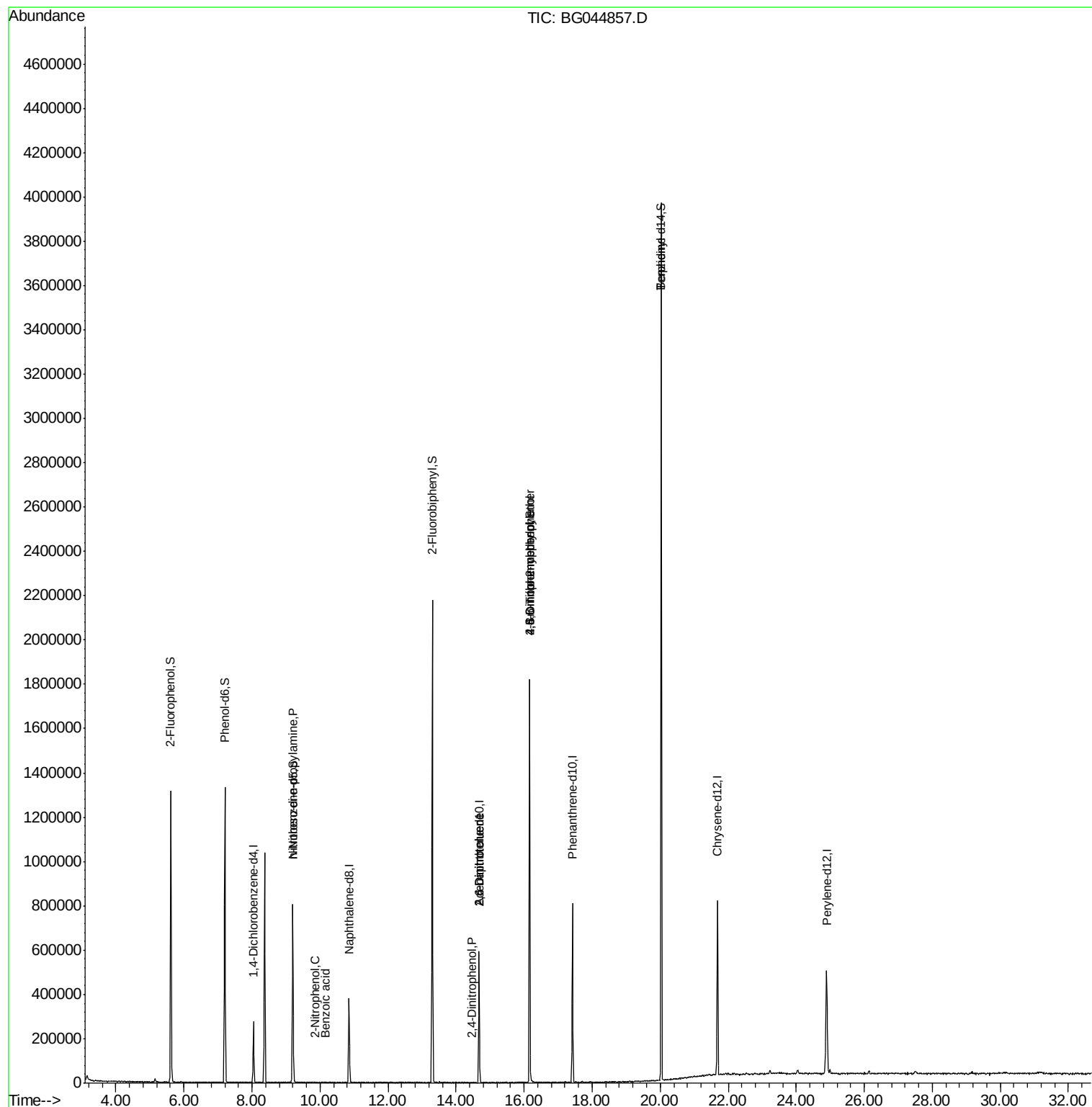
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1596	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.20	70	71599	13.213	ng	# 77
26) 2-Nitrophenol	9.85	139	65	5.537	ng	# 28
32) Benzoic acid	10.14	122	55	9.682	ng	# 1
51) 2,6-Dinitrotoluene	14.67	165	29039	7.964	ng	# 21
54) 2,4-Dinitrophenol	14.48	184	66	8.354	ng	# 21
57) 2,4-Dinitrotoluene	14.67	165	29039	5.807	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.15	198	1476	8.236	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	24633	3.804	ng	# 1
77) Benzidine	20.03	184	34003	2.207	ng	# 92

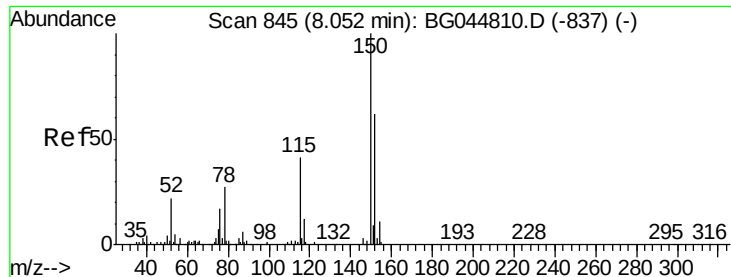
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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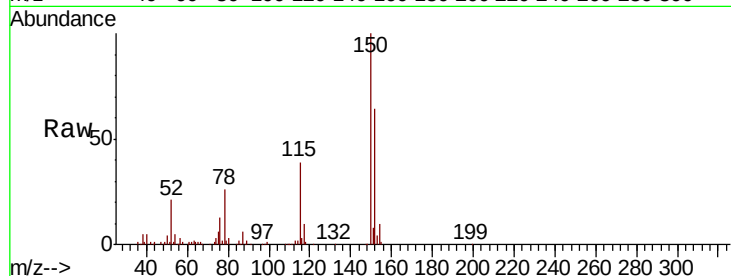


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG044857.D
Acq: 18 Mar 2020 9:01

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	128.8	193.2
115	60.4	52.6	79.0

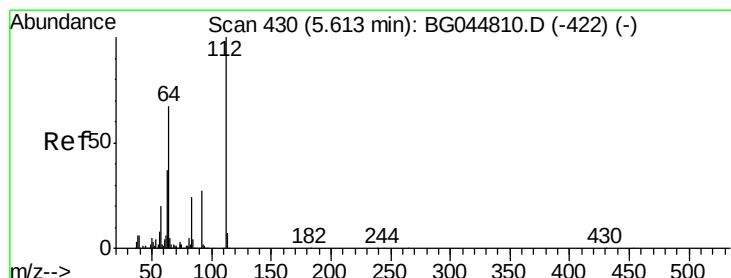
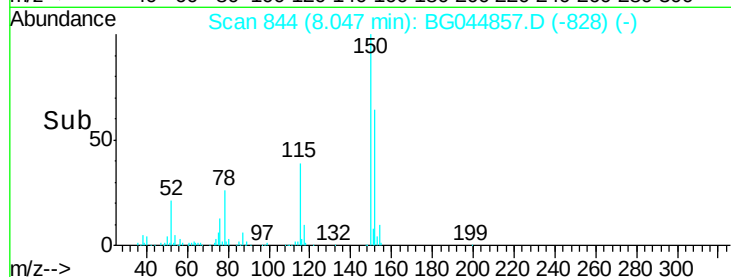
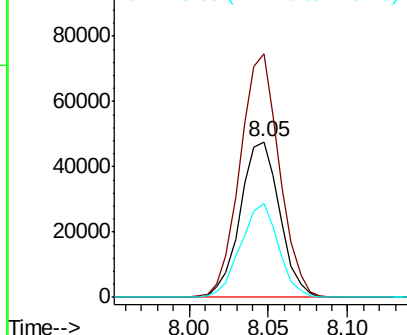


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

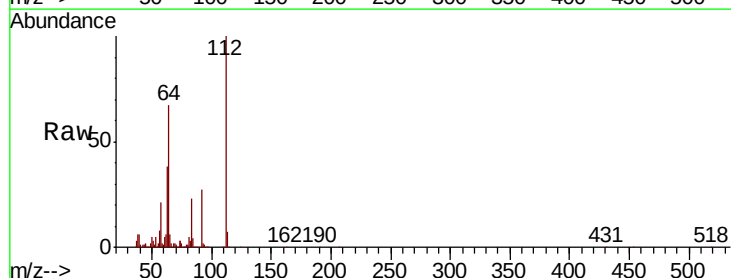
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.788 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044857.D
Acq: 18 Mar 2020 9:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.4	80.2
63	38.2	29.4	44.2

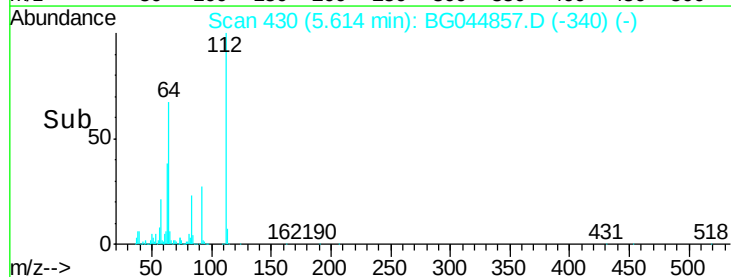
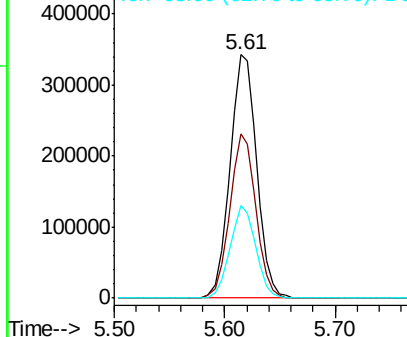


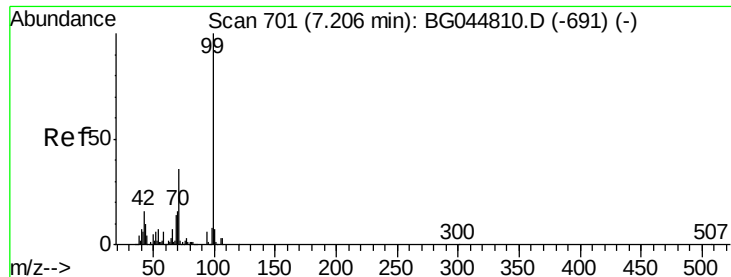
Abundance

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: 106.702 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044857.D

Acq: 18 Mar 2020 9:01

Instrument :

BNA_N

ClientSampleId :

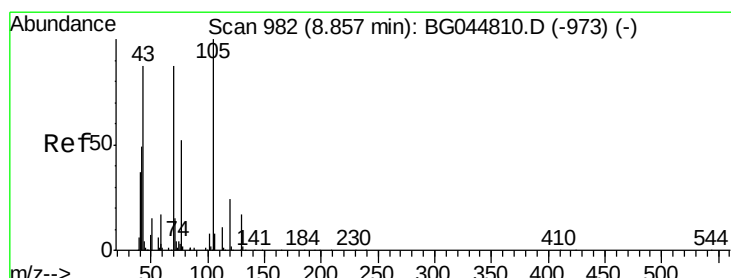
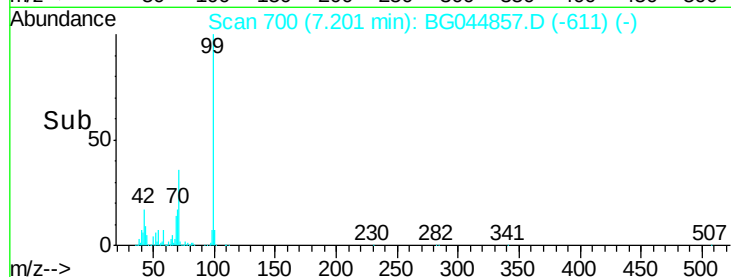
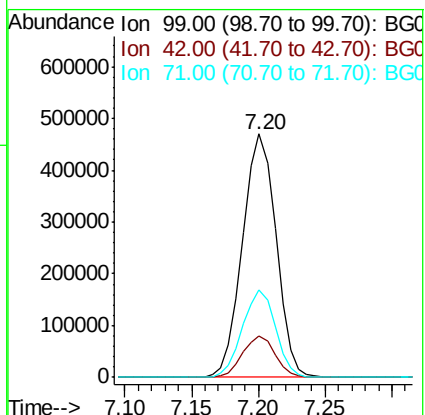
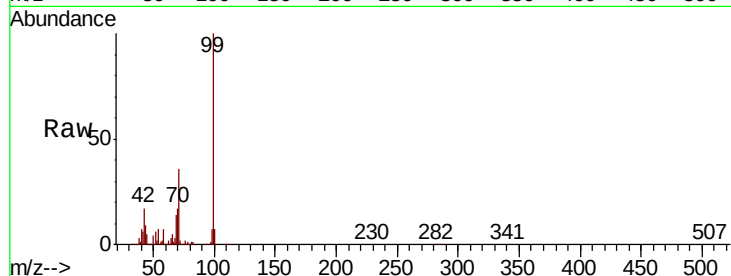
Tot Ion: 99 Resp: 818839

Ion Ratio Lower Upper

99 100

42 16.9 12.6 19.0

71 35.9 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.213 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044857.D

Acq: 18 Mar 2020 9:01

Tgt Ion: 70 Resp: 71599

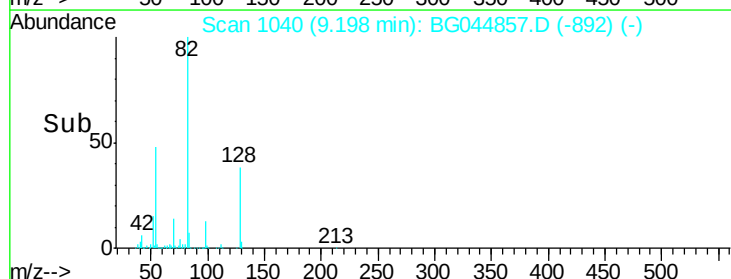
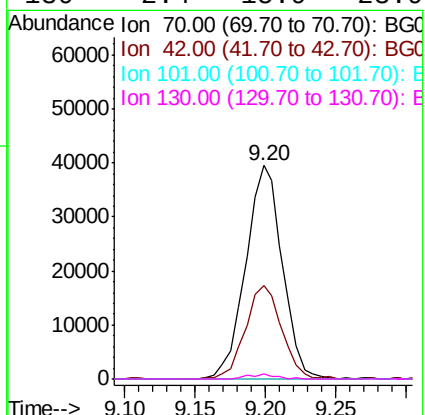
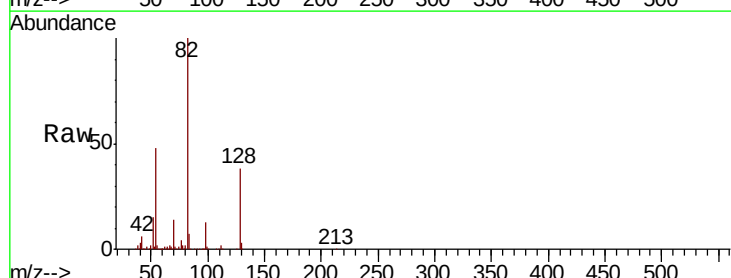
Ion Ratio Lower Upper

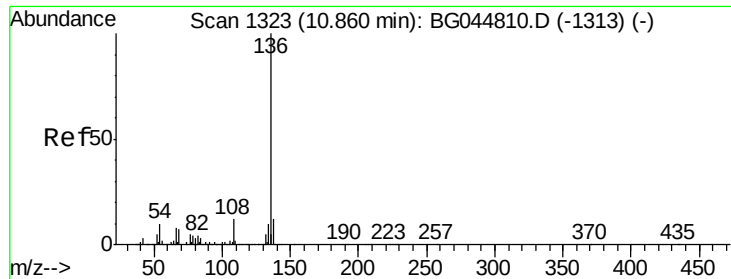
70 100

42 44.0 45.7 68.5#

101 0.0 7.4 11.2#

130 2.4 15.9 23.9#

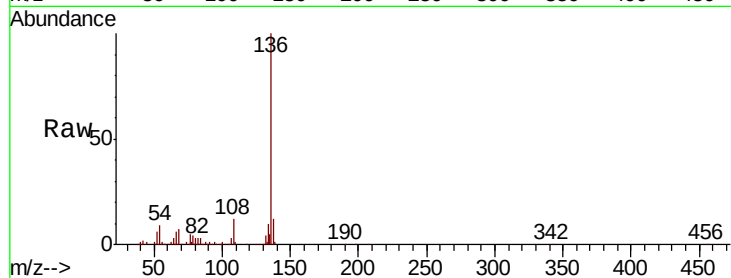




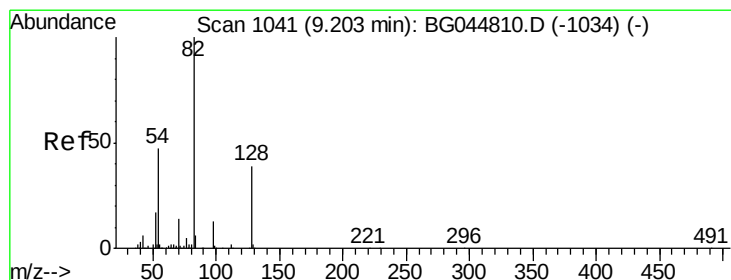
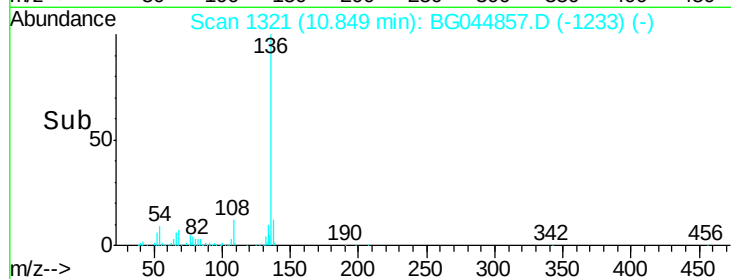
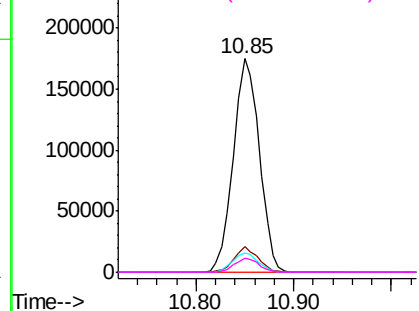
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044857.D
Acq: 18 Mar 2020 9:01

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	324670
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.8 14.6
54	8.8	7.9 11.9
68	6.8	5.4 8.0

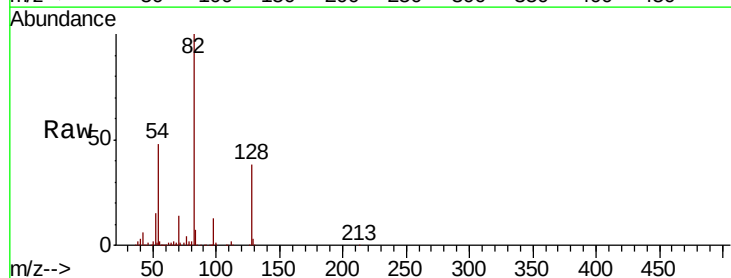


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

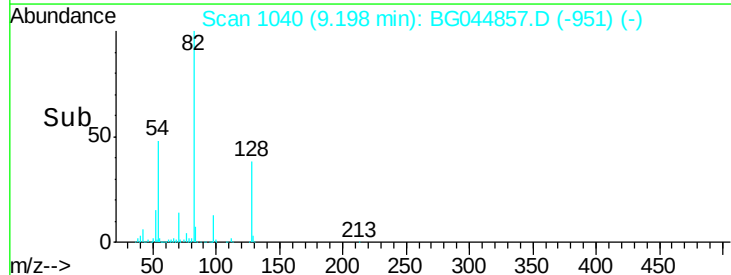
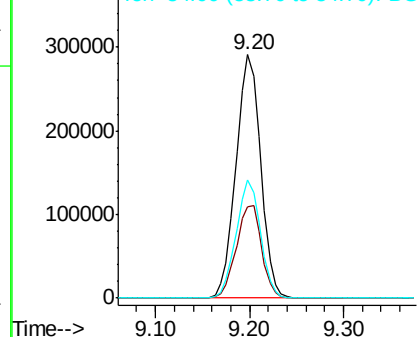


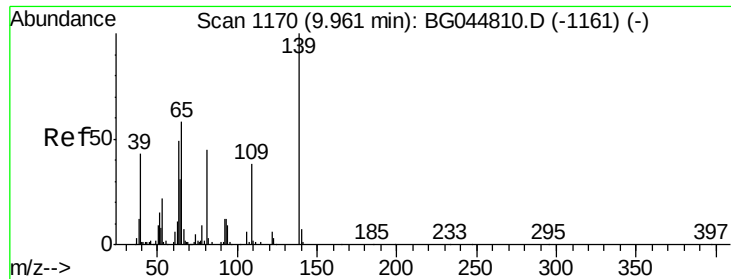
#23
Nitrobenzene-d5
Concen: 71.965 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044857.D
Acq: 18 Mar 2020 9:01

Tgt Ion: 82	Resp:	532455
Ion Ratio	Lower	Upper
82	100	
128	37.7	30.6 46.0
54	48.4	37.1 55.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#26

2-Nitrophenol

Concen: 5.537 ng

RT: 9.85 min Scan# 1151

Delta R.T. -0.11 min

Lab File: BG044857.D

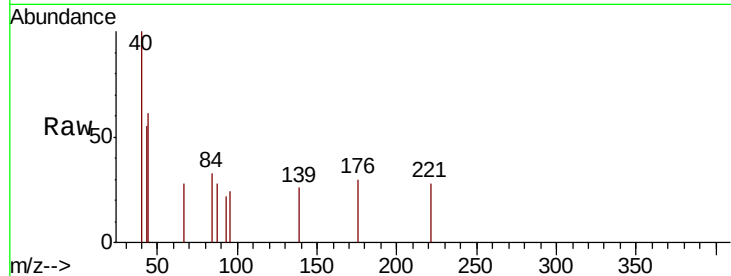
Acq: 18 Mar 2020 9:01

Instrument :

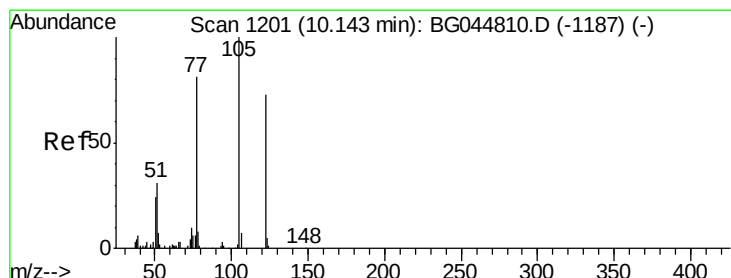
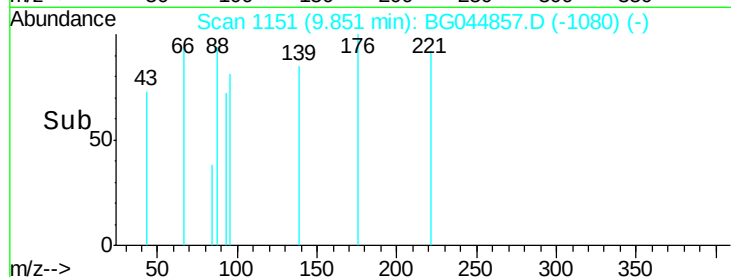
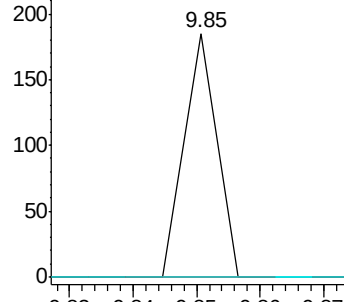
BNA_N

ClientSampleId :

Tot Ion:	139	Resp:	65
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

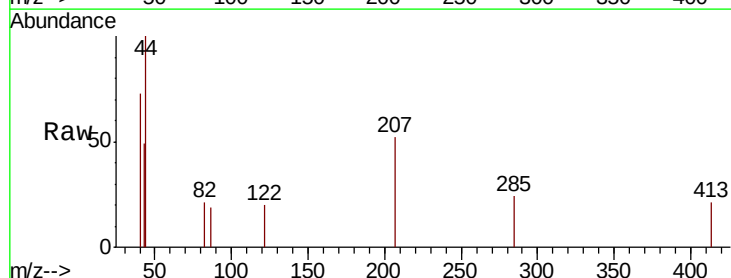
RT: 10.14 min Scan# 1201

Delta R.T. 0.00 min

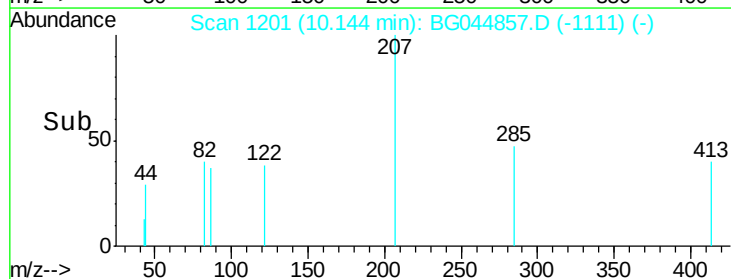
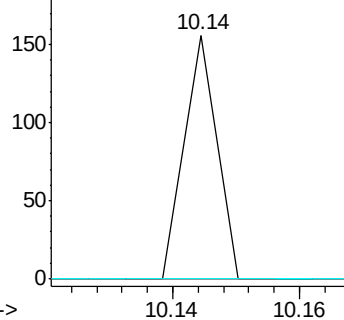
Lab File: BG044857.D

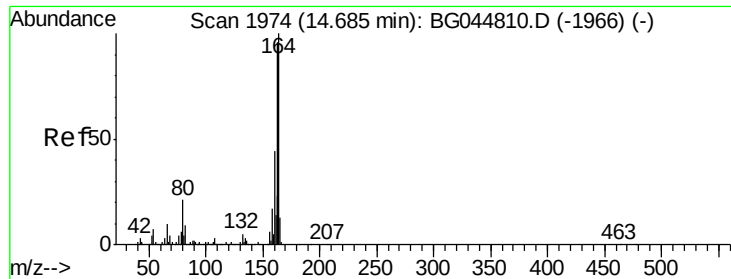
Acq: 18 Mar 2020 9:01

Tgt Ion:	122	Resp:	55
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: BG044857.D

Acq: 18 Mar 2020 9:01

Instrument :

BNA_N

ClientSampleId :

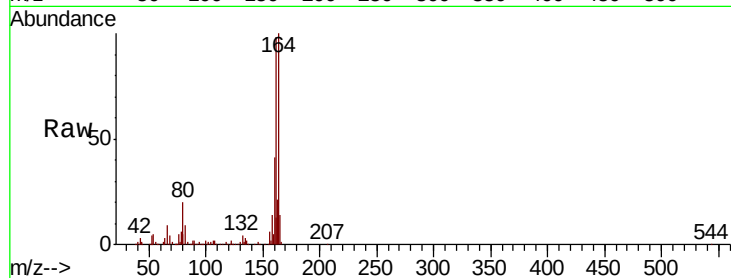
Tot Ion:164 Resp: 227123

Ion Ratio Lower Upper

164 100

162 97.6 76.7 115.1

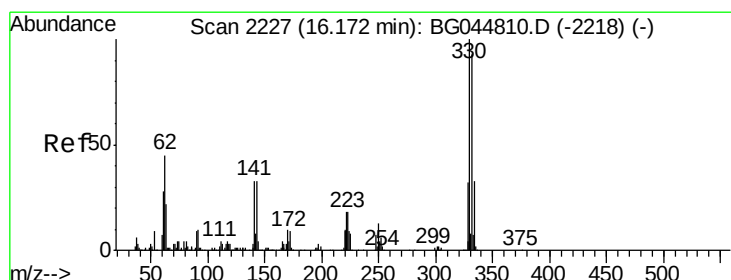
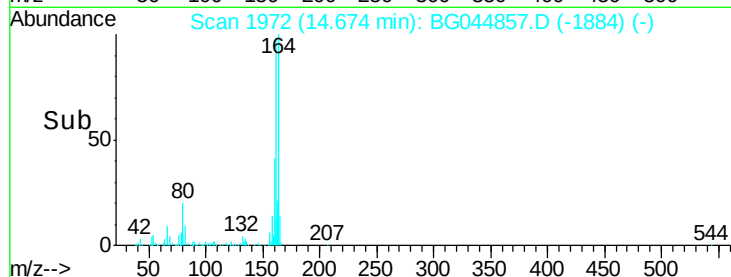
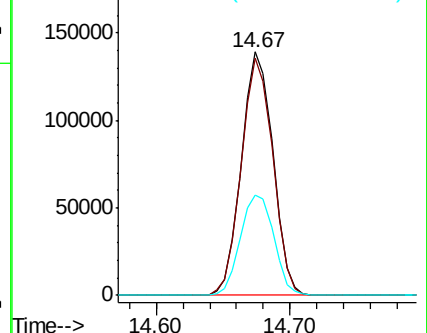
160 41.0 35.0 52.4



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: 121.333 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044857.D

Acq: 18 Mar 2020 9:01

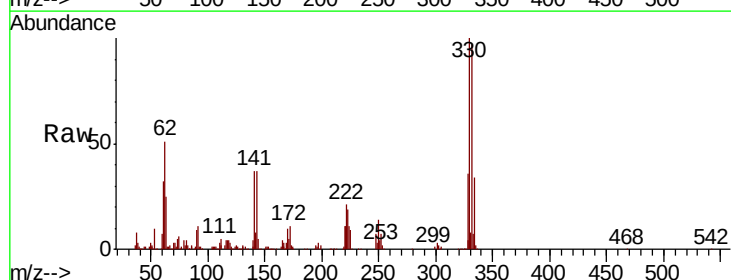
Tgt Ion:330 Resp: 360823

Ion Ratio Lower Upper

330 100

332 96.8 77.8 116.6

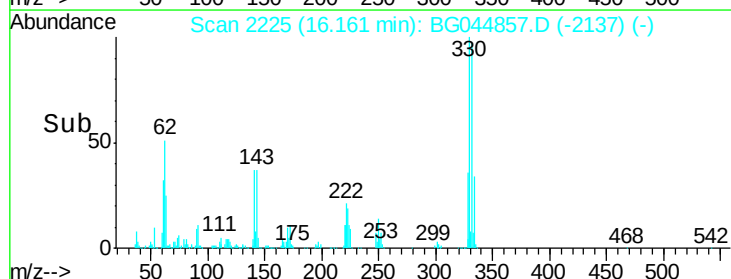
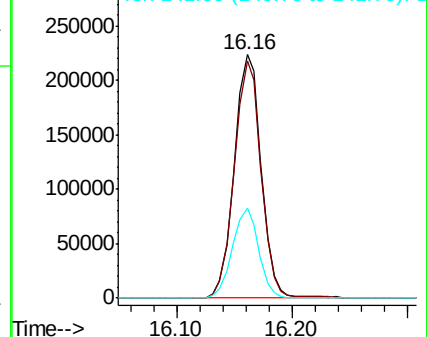
141 36.1 29.5 44.3

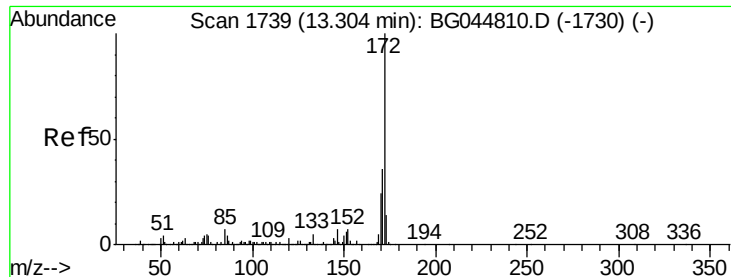


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



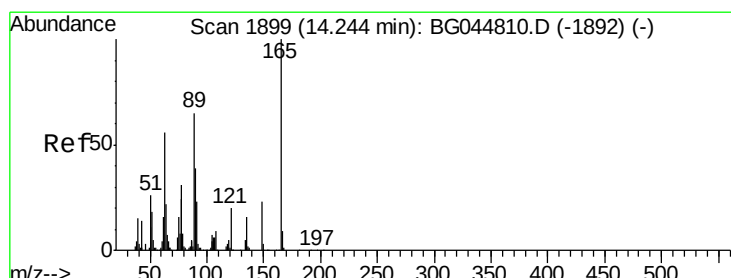
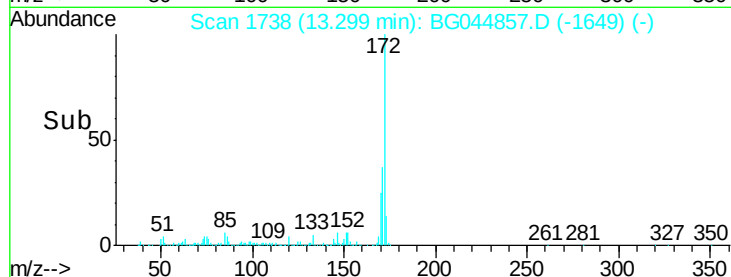
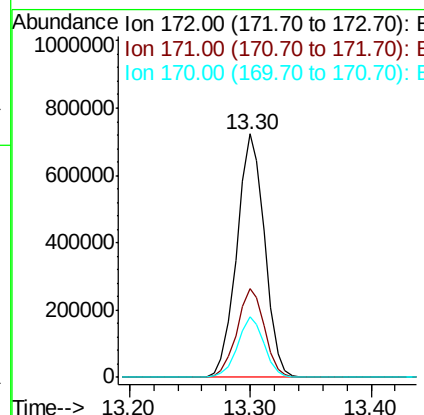
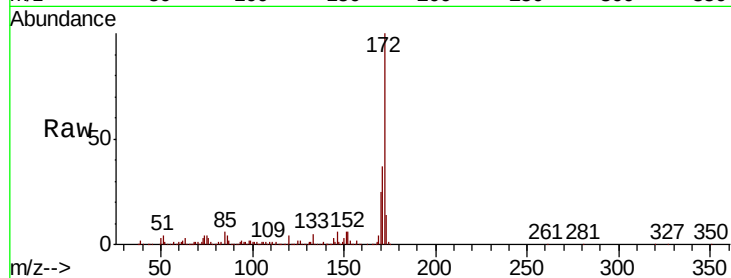


#45
 2-Fluorobiphenyl
 Concen: 72.988 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BG044857.D
 Acq: 18 Mar 2020 9:01

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:172 Resp: 1157602

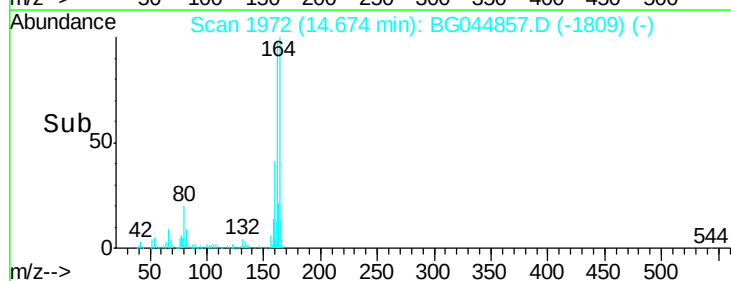
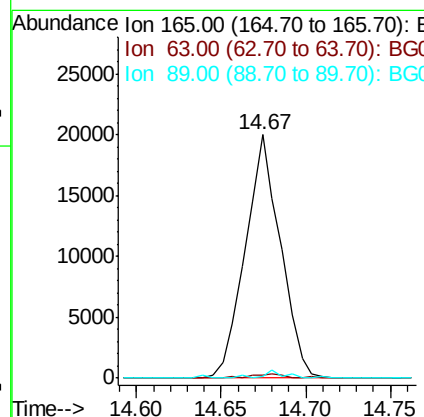
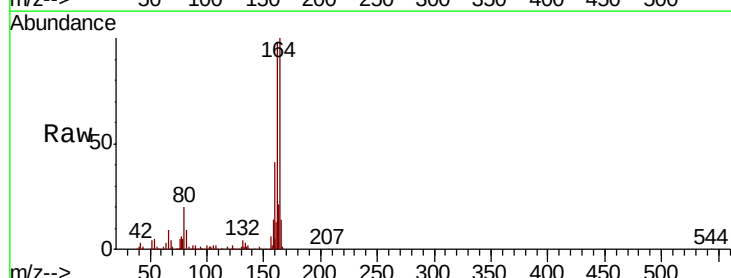
Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.7	43.1
170	24.7	19.0	28.6

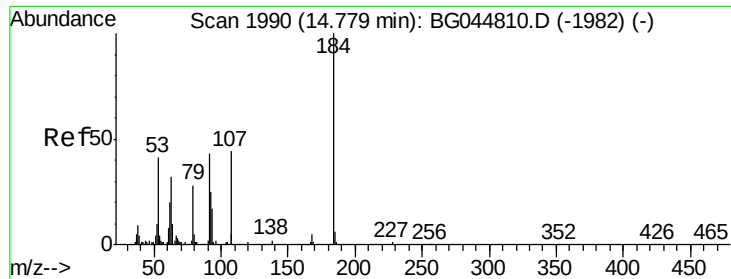


#51
 2,6-Dinitrotoluene
 Concen: 7.964 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.43 min
 Lab File: BG044857.D
 Acq: 18 Mar 2020 9:01

Tgt Ion:165 Resp: 29039

Ion	Ratio	Lower	Upper
165	100		
63	1.0	45.8	68.8#
89	0.8	51.8	77.6#





#54

2,4-Dinitrophenol

Concen: 8.354 ng

RT: 14.48 min Scan# 1939

Delta R.T. -0.30 min

Lab File: BG044857.D

Acq: 18 Mar 2020 9:01

Instrument :

BNA_N

ClientSampleId :

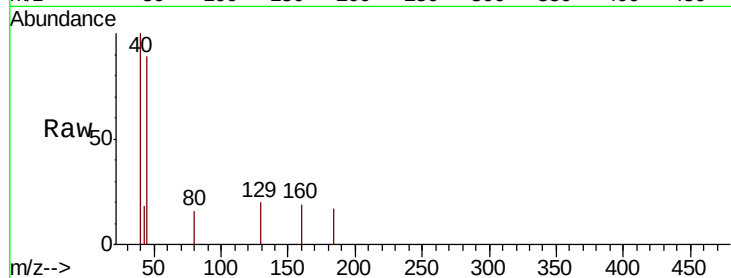
Tot Ion:184 Resp: 66

Ion Ratio Lower Upper

184 100

63 0.0 45.5 68.3#

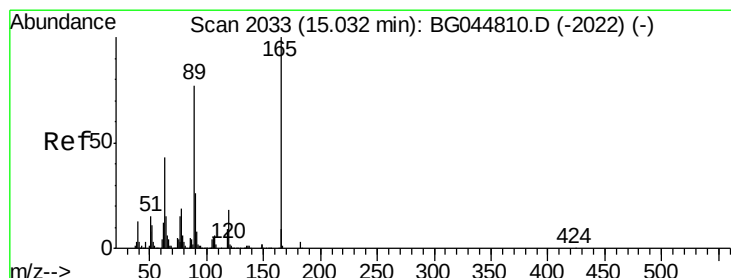
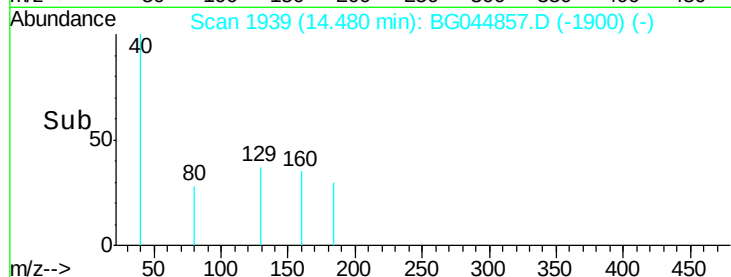
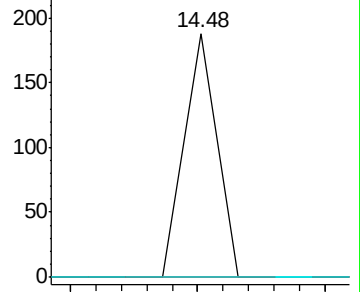
154 0.0 49.1 73.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 5.807 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG044857.D

Acq: 18 Mar 2020 9:01

Tgt Ion:165 Resp: 29039

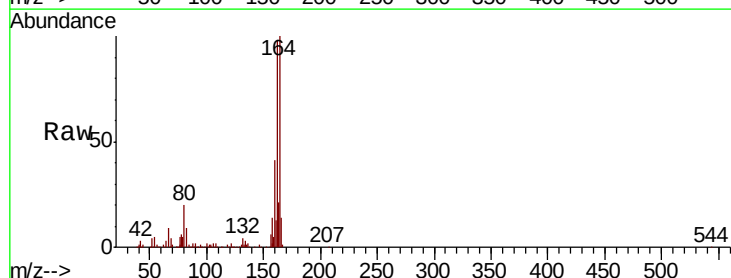
Ion Ratio Lower Upper

165 100

63 1.0 34.6 52.0#

89 0.8 61.3 91.9#

182 0.0 2.2 3.2#

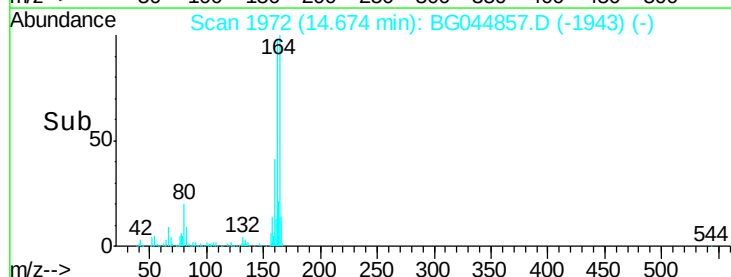
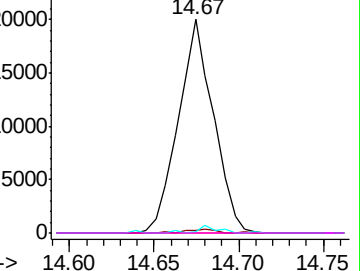


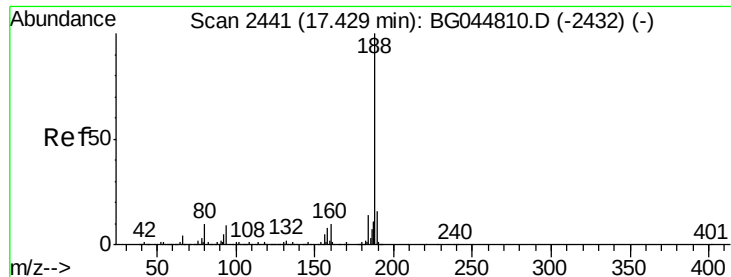
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): 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: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044857.D

Acq: 18 Mar 2020 9:01

Instrument :

BNA_N

ClientSampleId :

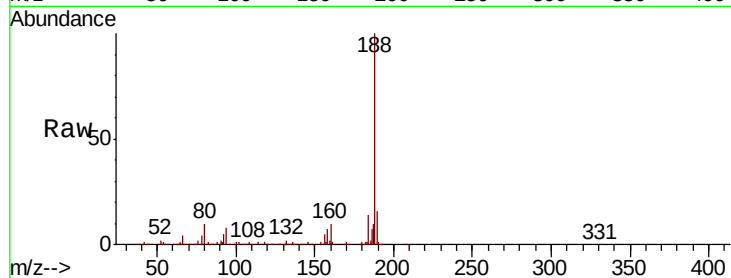
Tot Ion:188 Resp: 517943

Ion Ratio Lower Upper

188 100

94 8.1 7.3 10.9

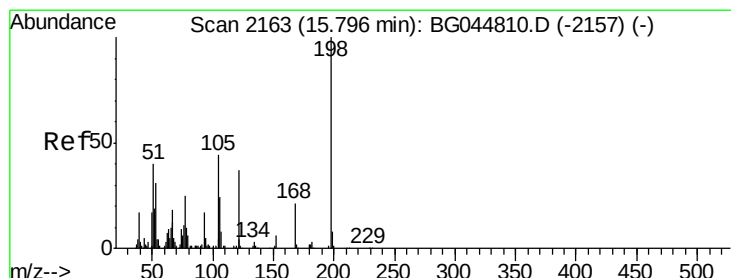
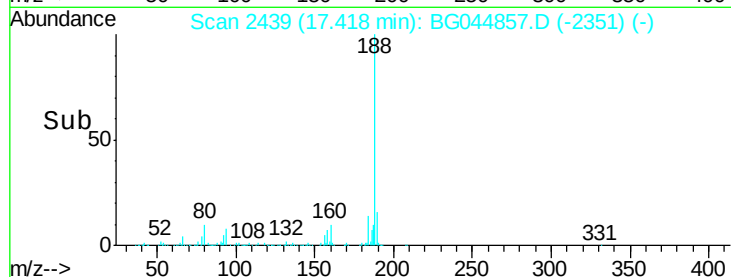
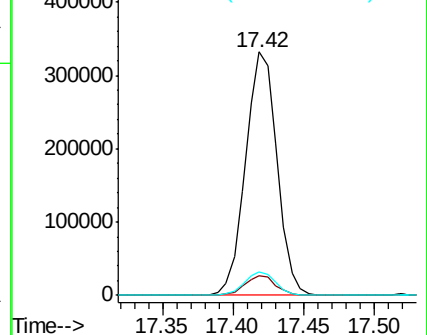
80 9.9 8.0 12.0



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: 8.236 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.36 min

Lab File: BG044857.D

Acq: 18 Mar 2020 9:01

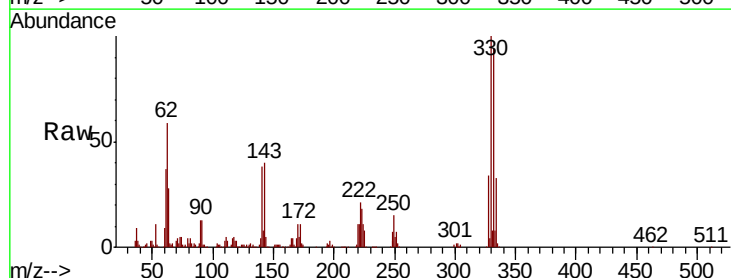
Tgt Ion:198 Resp: 1476

Ion Ratio Lower Upper

198 100

51 109.4 21.1 61.1#

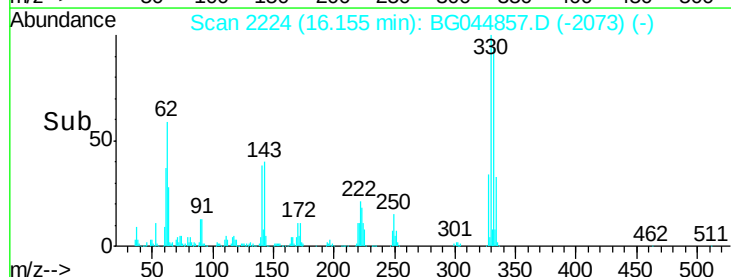
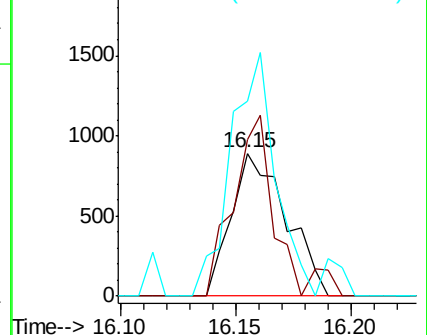
105 136.3 24.5 64.5#

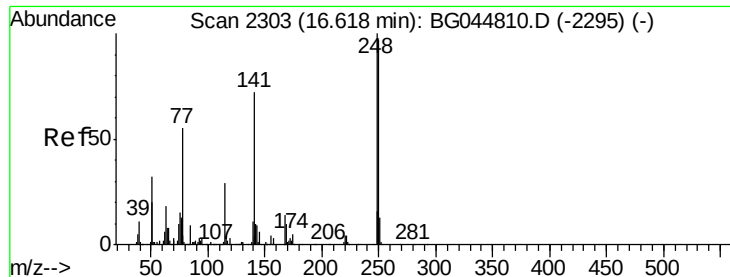


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

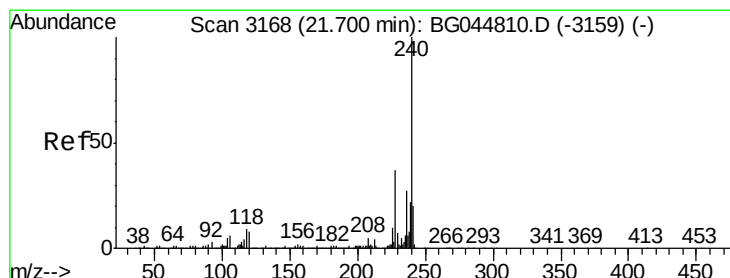
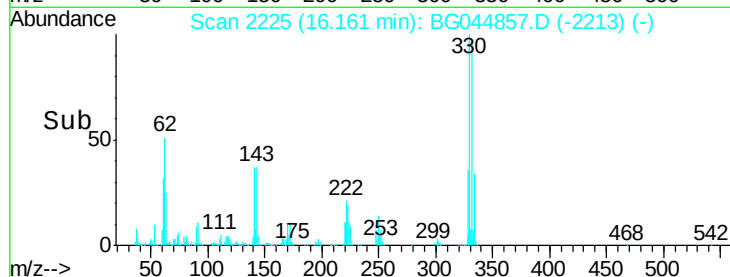
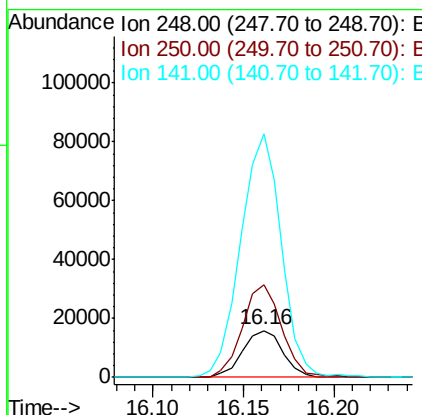
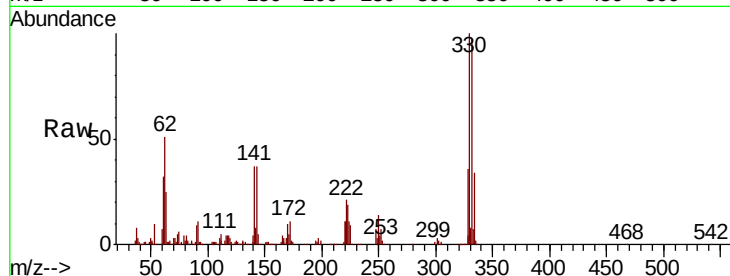




#67
 4-Bromophenyl-phenylether
 Concen: 3.804 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044857.D
 Acq: 18 Mar 2020 9:01

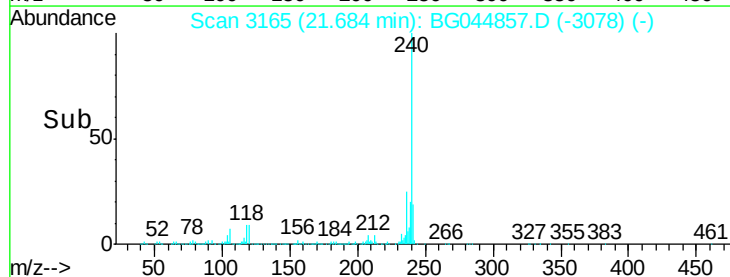
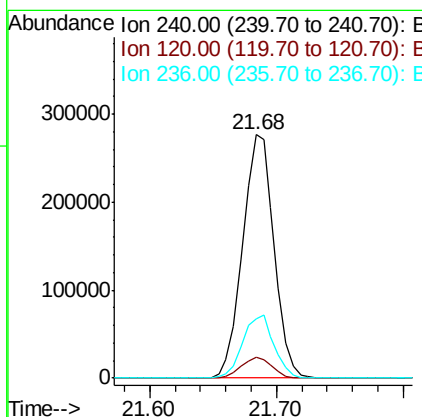
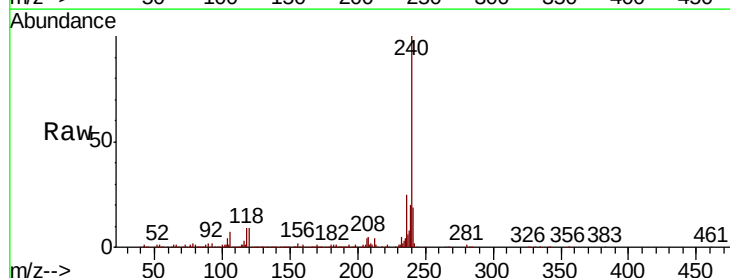
Instrument :
 BNA_N
 ClientSampleId :

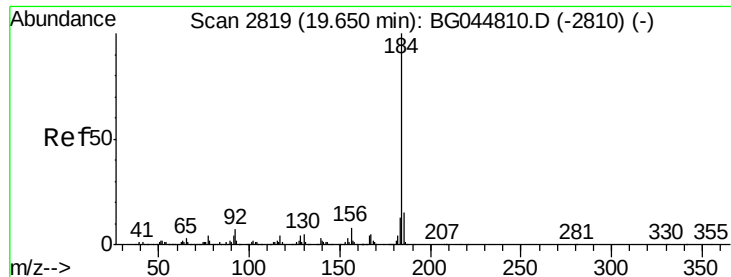
Tot Ion:248 Resp: 24633
 Ion Ratio Lower Upper
 248 100
 250 197.1 77.9 116.9#
 141 517.5 57.5 86.3#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.02 min
 Lab File: BG044857.D
 Acq: 18 Mar 2020 9:01

Tgt Ion:240 Resp: 474484
 Ion Ratio Lower Upper
 240 100
 120 8.8 6.7 10.1
 236 24.5 21.5 32.3





#77

Benzidine

Concen: 2.207 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG044857.D

Acq: 18 Mar 2020 9:01

Instrument :

BNA_N

ClientSampleId :

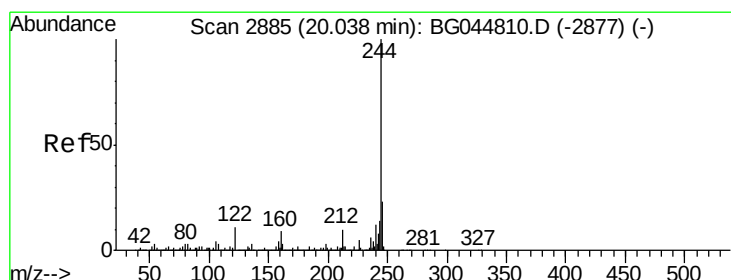
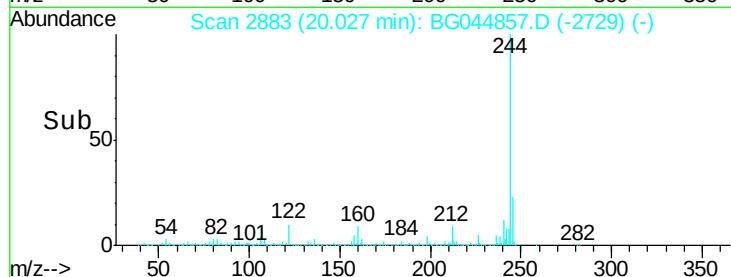
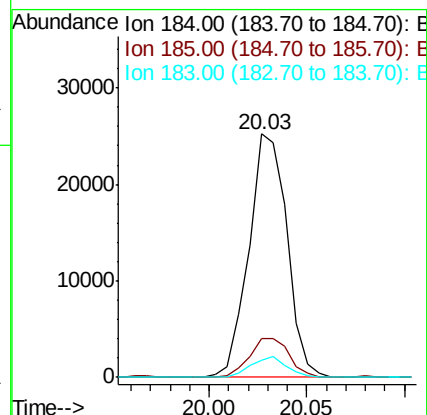
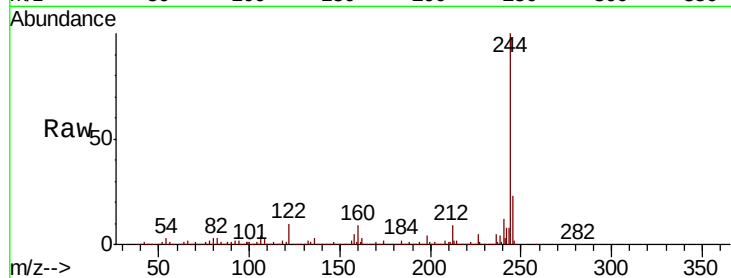
Tot Ion:184 Resp: 34003

Ion Ratio Lower Upper

184 100

185 15.8 12.2 18.4

183 7.2 10.7 16.1#



#79

Terphenyl-d14

Concen: 75.326 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044857.D

Acq: 18 Mar 2020 9:01

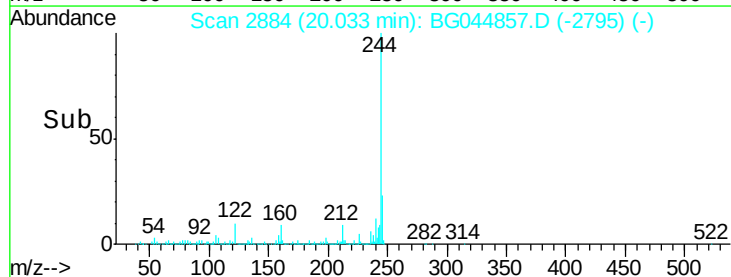
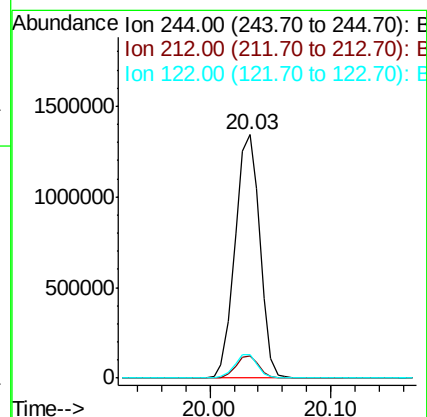
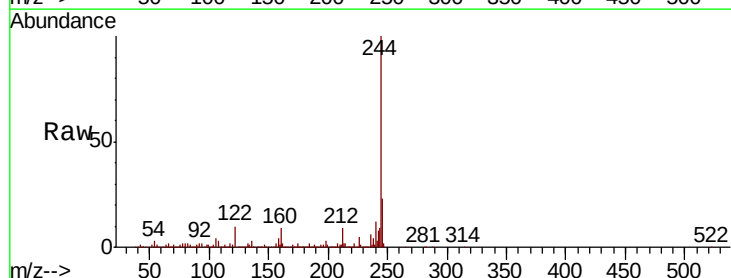
Tgt Ion:244 Resp: 1910714

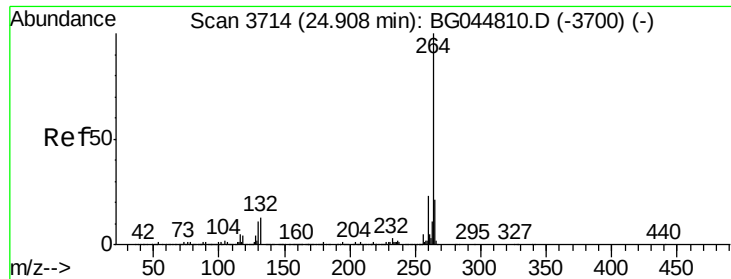
Ion Ratio Lower Upper

244 100

212 9.0 7.7 11.5

122 9.6 8.6 12.8





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3711
Delta R.T. -0.02 min
Lab File: BG044857.D
Acq: 18 Mar 2020 9:01

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.1	27.1
265	20.7	17.1	25.7

