

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
 Data File : BG044802.D
 Acq On : 14 Mar 2020 19:41
 Operator : CG/JU
 Sample : PB127536BL
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB127536BL

Quant Time: Mar 16 01:38:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

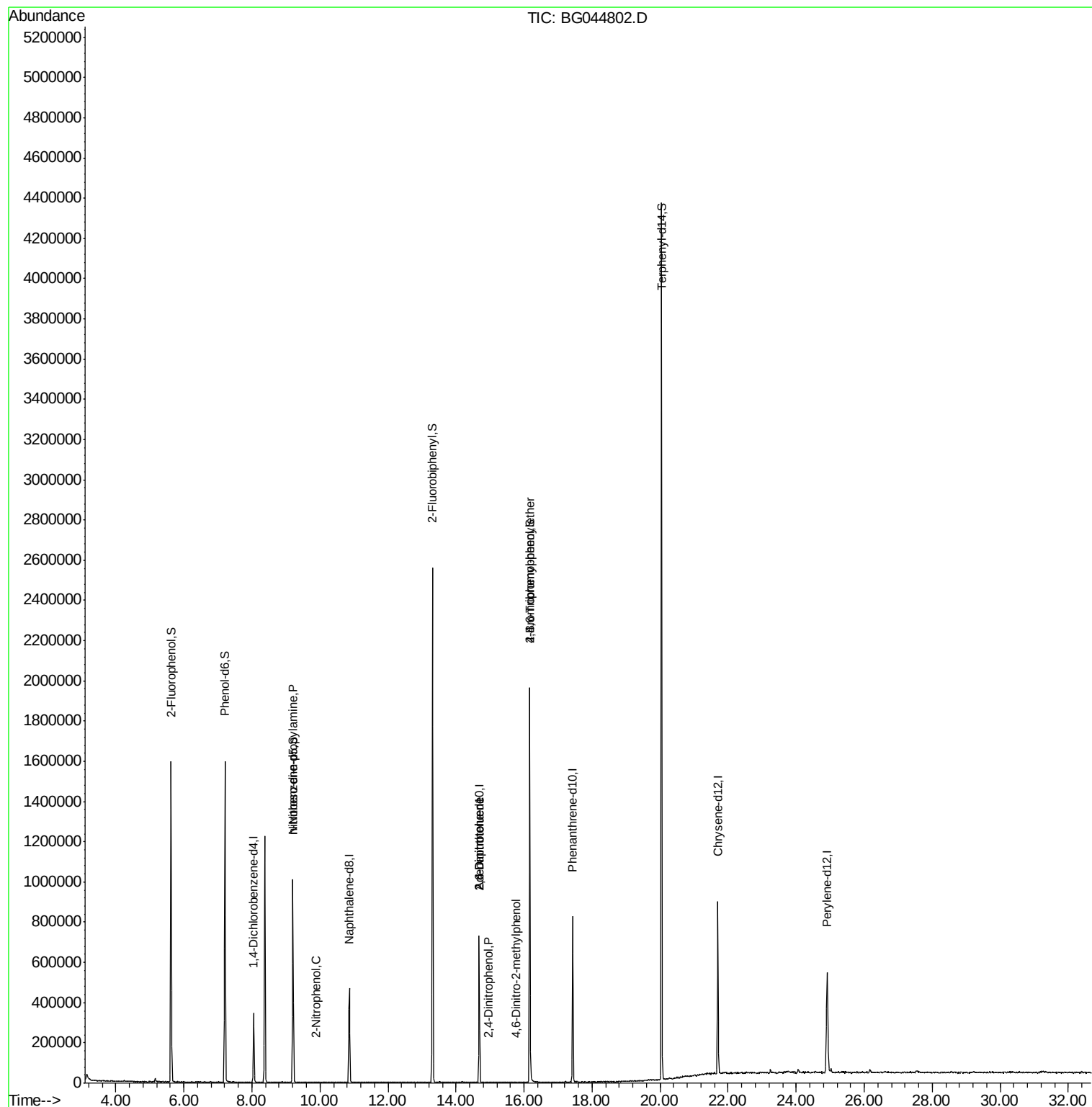
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	97501	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	407170	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	264913	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	552649	20.00	ng	-0.01
76) Chrysene-d12	21.70	240	500031	20.00	ng	-0.02
87) Perylene-d12	24.92	264	552932	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	692215	110.52	ng	0.00
7) Phenol-d6	7.21	99	977038	107.36	ng	0.00
23) Nitrobenzene-d5	9.20	82	664996	71.67	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	379952	109.54	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1372887	74.21	ng	-0.01
79) Terphenyl-d14	20.04	244	2001353	74.87	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.21	77	1854	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	89313	13.90	ng	# 74
26) 2-Nitrophenol	9.90	139	69	5.53	ng	# 28
51) 2,6-Dinitrotoluene	14.68	165	34832	8.19	ng	# 19
54) 2,4-Dinitrophenol	14.96	184	56	8.35	ng	# 2
57) 2,4-Dinitrotoluene	14.68	165	34832	5.97	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.78	198	68	7.75	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	25900	3.75	ng	# 1

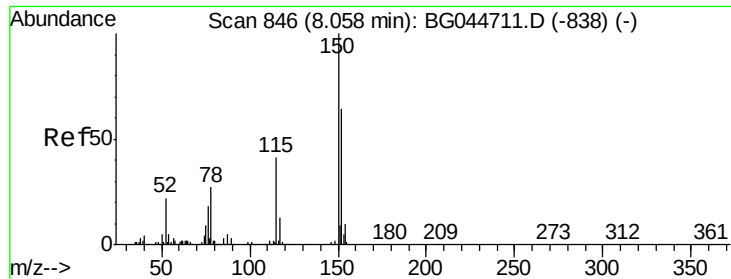
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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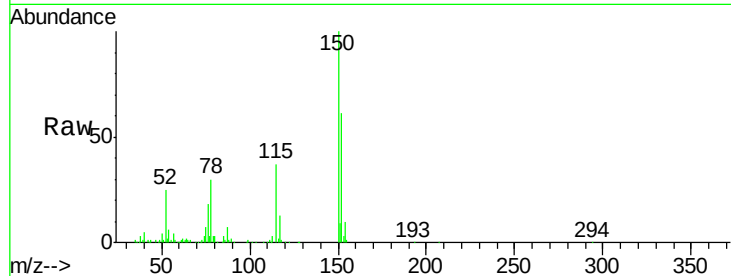


#1

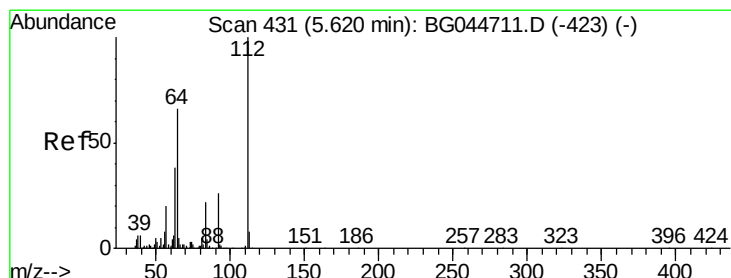
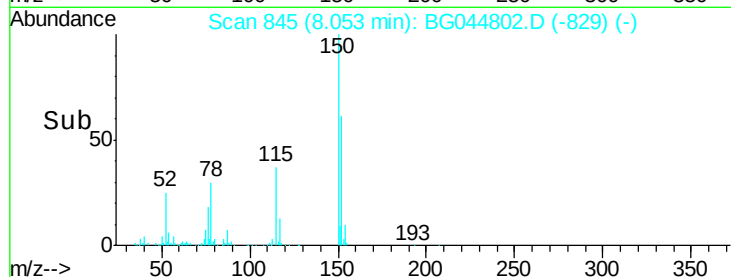
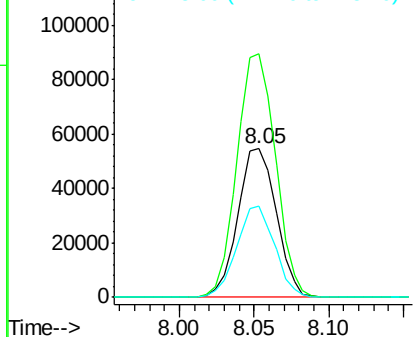
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044802.D
Acq: 14 Mar 2020 19:41

Instrument :
BNA_G
ClientSampleId :
PB127536BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.9	125.3	187.9
115	61.4	51.7	77.5



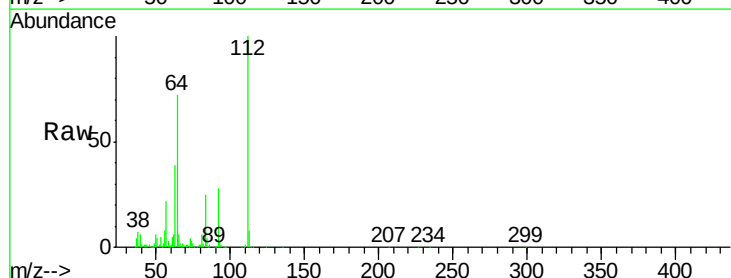
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



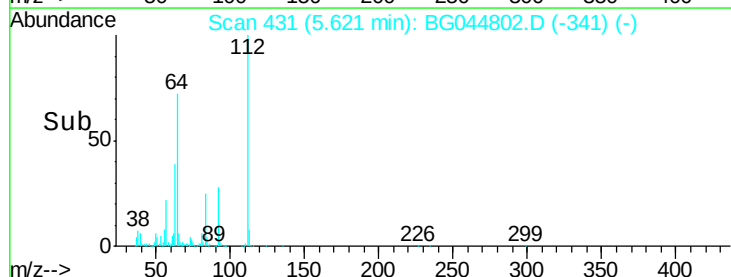
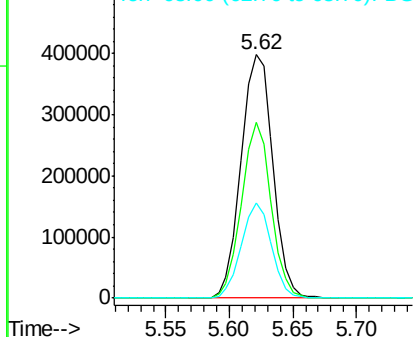
#5

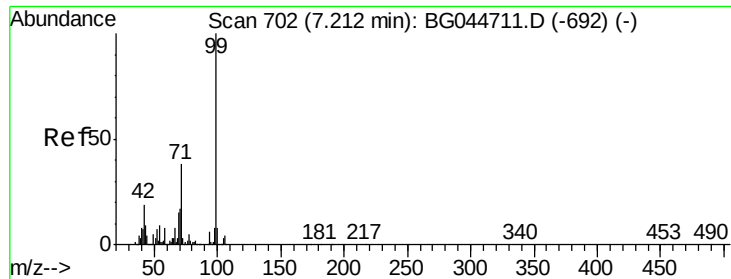
2-Fluorophenol
Concen: 110.52 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044802.D
Acq: 14 Mar 2020 19:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.1	52.6	78.8
63	39.2	30.2	45.4



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: 107.36 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044802.D

Acq: 14 Mar 2020 19:41

Instrument :

BNA_G

ClientSampleId :

PB127536BL

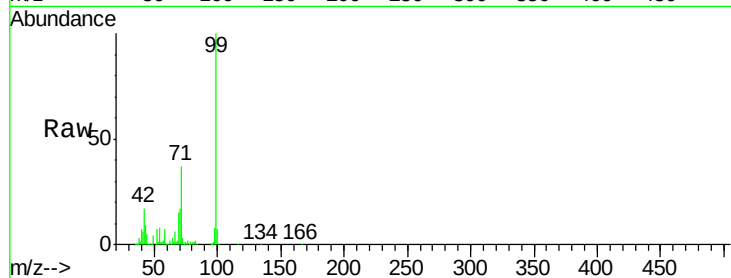
Tgt Ion: 99 Resp: 977038

Ion Ratio Lower Upper

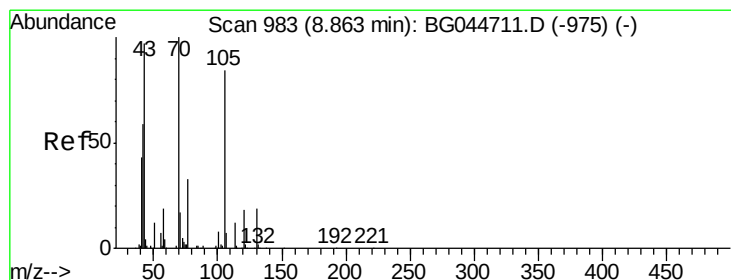
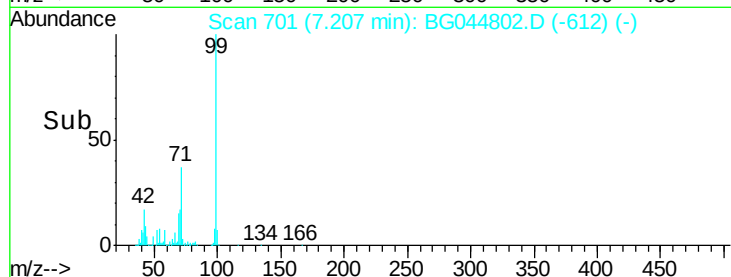
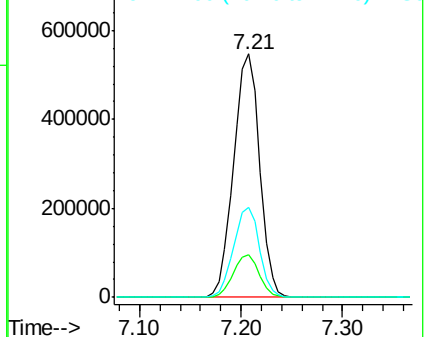
99 100

42 17.4 15.4 23.0

71 36.9 30.2 45.4



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 13.90 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG044802.D

Acq: 14 Mar 2020 19:41

Tgt Ion: 70 Resp: 89313

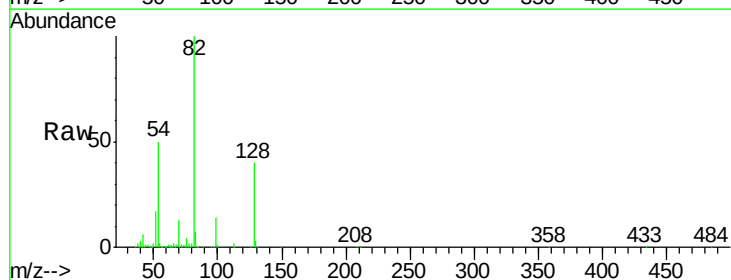
Ion Ratio Lower Upper

70 100

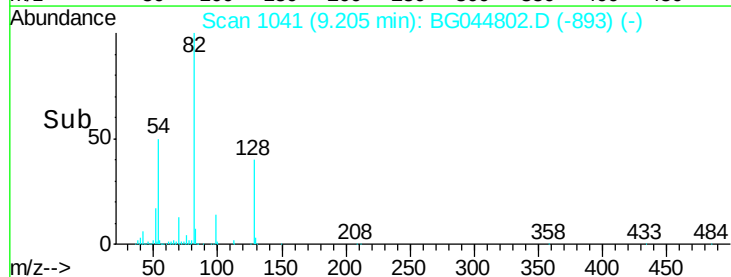
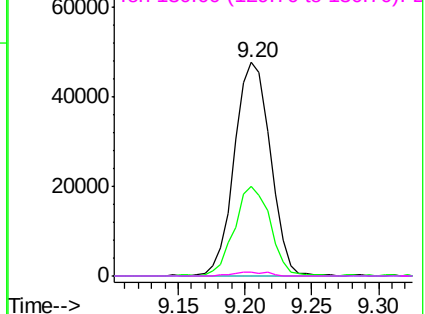
42 42.2 47.6 71.4#

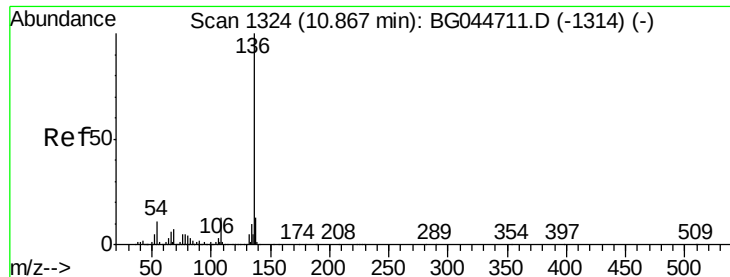
101 0.0 6.5 9.7#

130 1.6 15.0 22.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.86 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BG044802.D

Acq: 14 Mar 2020 19:41

Instrument :

BNA_G

ClientSampleId :

PB127536BL

Tgt Ion:136 Resp: 407170

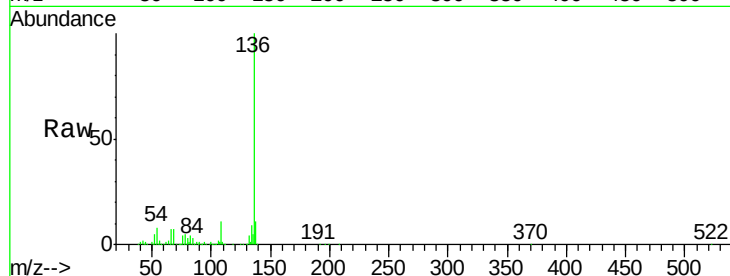
Ion Ratio Lower Upper

136 100

137 10.8 10.7 16.1

54 8.3 9.0 13.4#

68 6.5 5.9 8.9

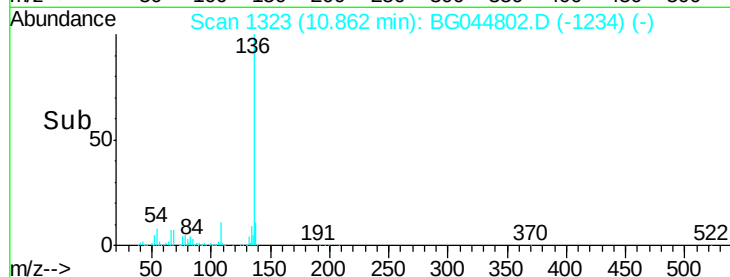


Abundance Ion 136.00 (135.70 to 136.70): E

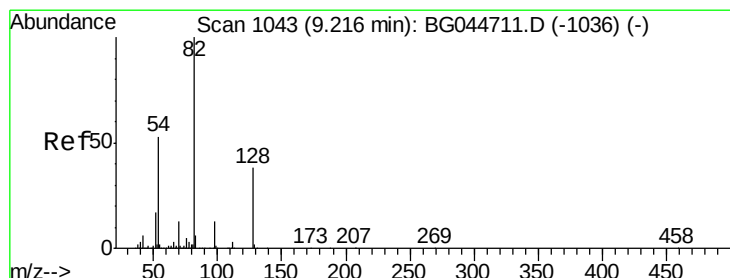
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



Time-->



#23

Nitrobenzene-d5

Concen: 71.67 ng

RT: 9.20 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BG044802.D

Acq: 14 Mar 2020 19:41

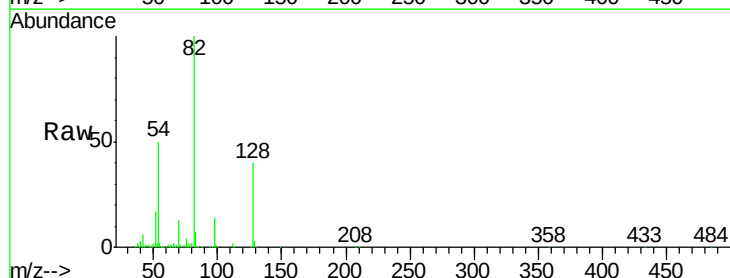
Tgt Ion: 82 Resp: 664996

Ion Ratio Lower Upper

82 100

128 39.8 30.2 45.2

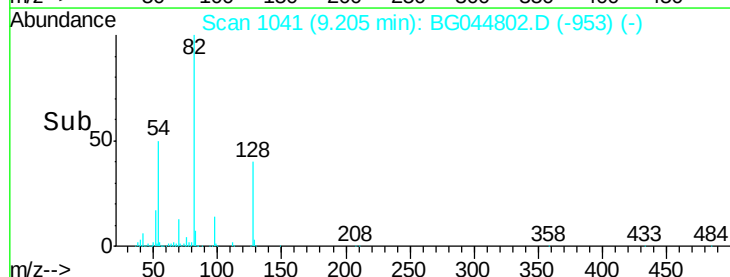
54 49.6 41.8 62.8



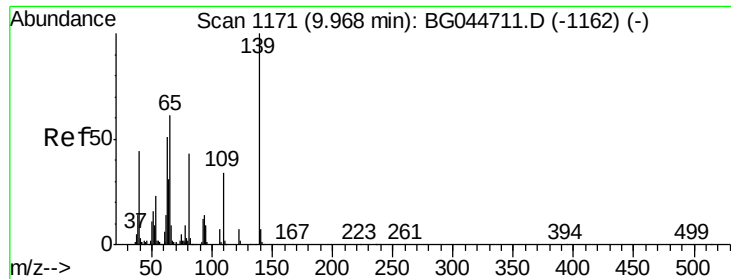
Abundance Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG



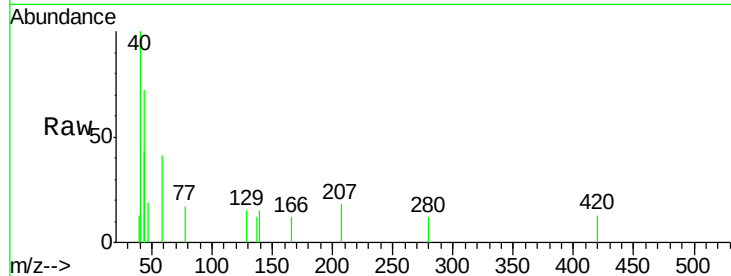
Time-->



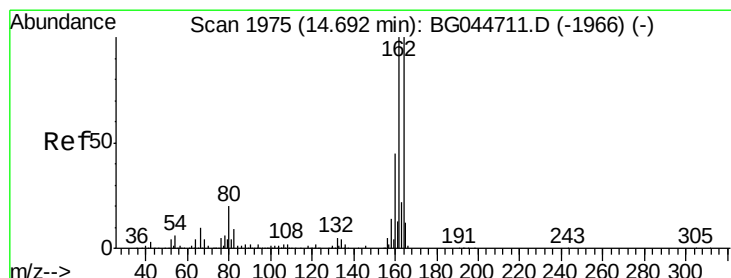
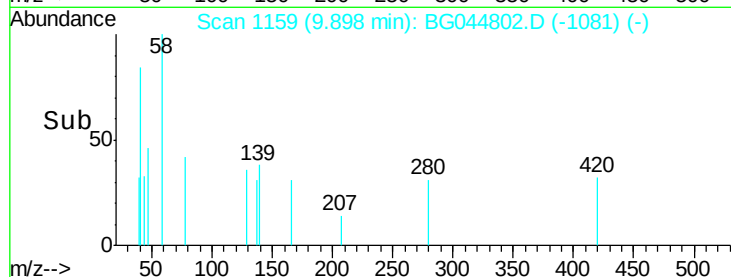
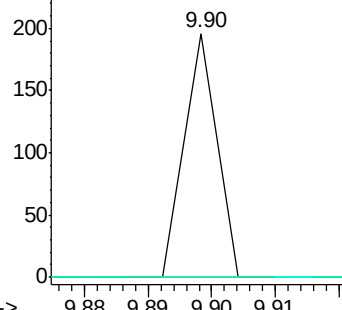
#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.90 min Scan# 1159
Delta R.T. -0.07 min
Lab File: BG044802.D
Acq: 14 Mar 2020 19:41

Instrument :
BNA_G
ClientSampleId :
PB127536BL

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#

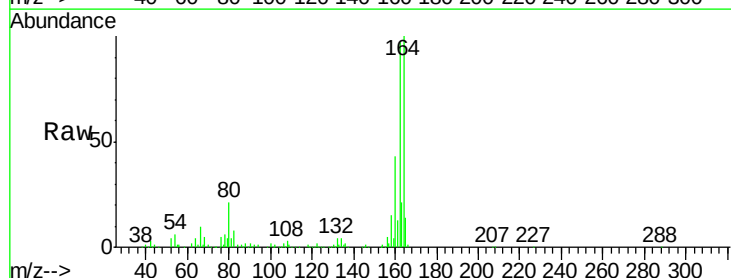


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

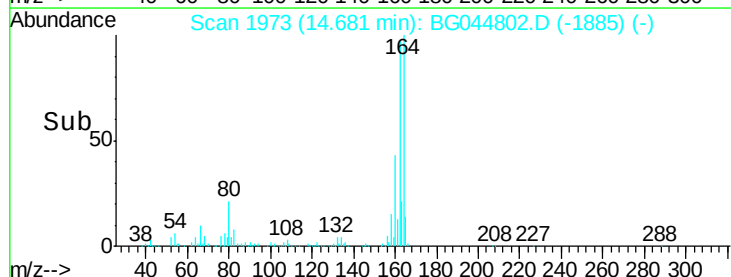
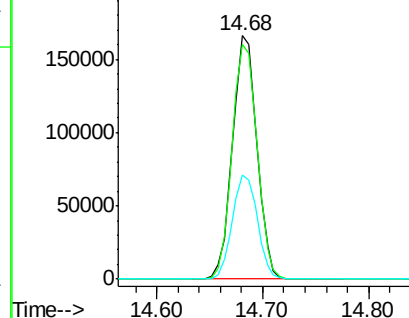


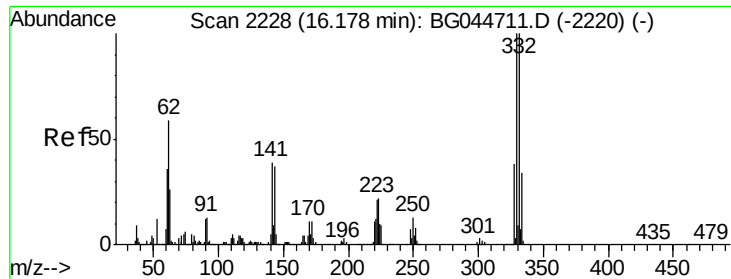
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BG044802.D
Acq: 14 Mar 2020 19:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.6	80.2	120.4
160	42.7	36.2	54.2



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

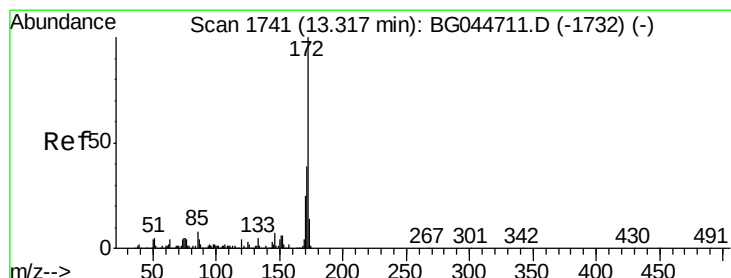
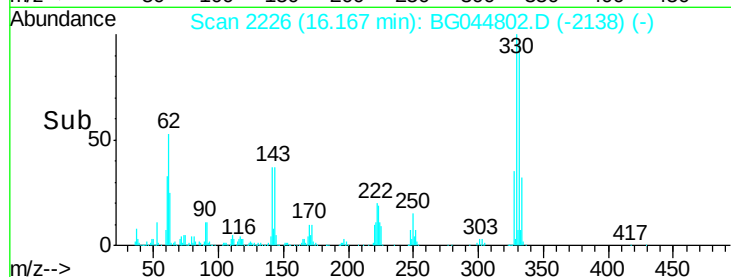
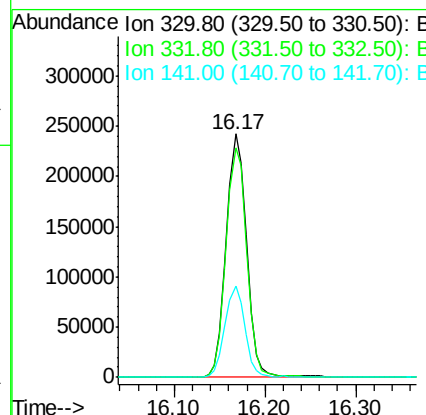
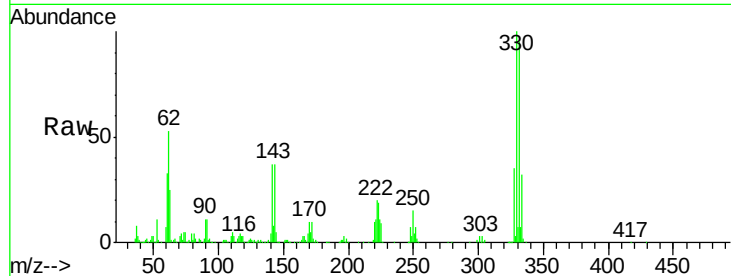




#42
 2,4,6-Tribromophenol
 Concen: 109.54 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.01 min
 Lab File: BG044802.D
 Acq: 14 Mar 2020 19:41

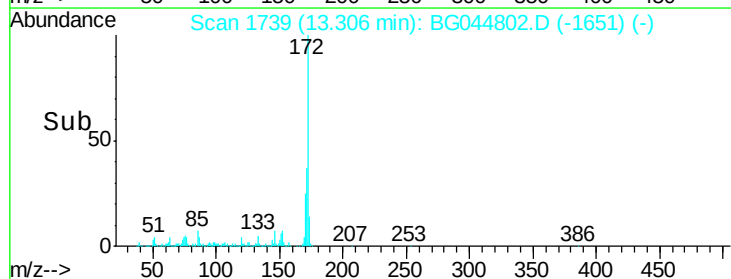
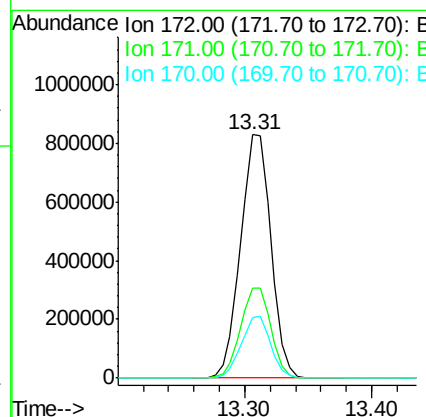
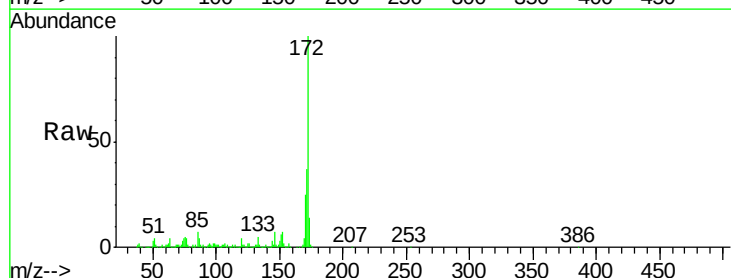
Instrument :
 BNA_G
 ClientSampleId :
 PB127536BL

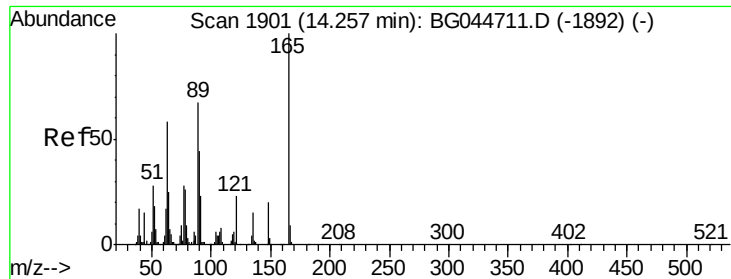
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.5	116.3
141	37.1	31.7	47.5



#45
 2-Fluorobiphenyl
 Concen: 74.21 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG044802.D
 Acq: 14 Mar 2020 19:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.8	46.2
170	25.1	20.0	30.0

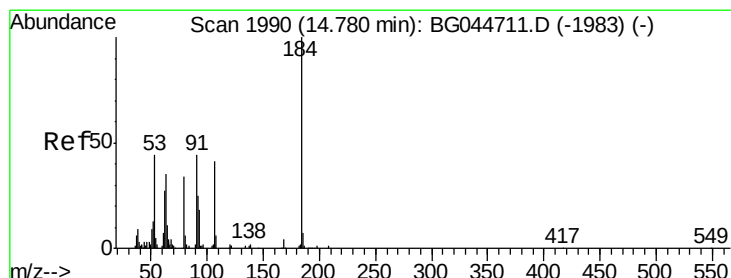
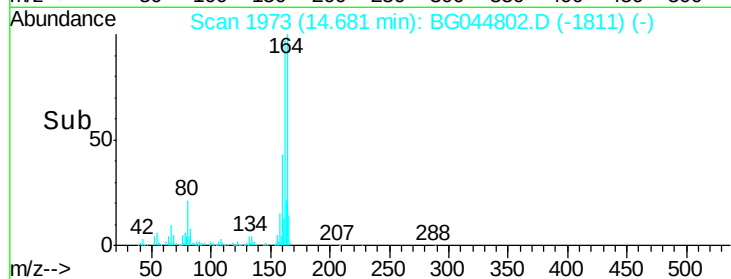
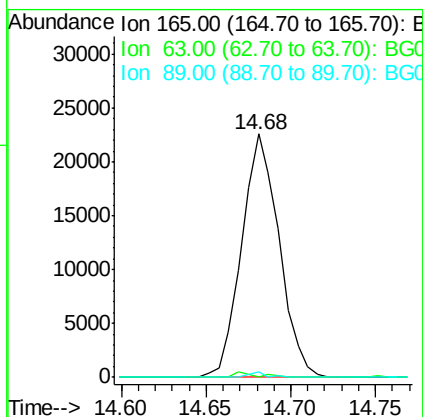
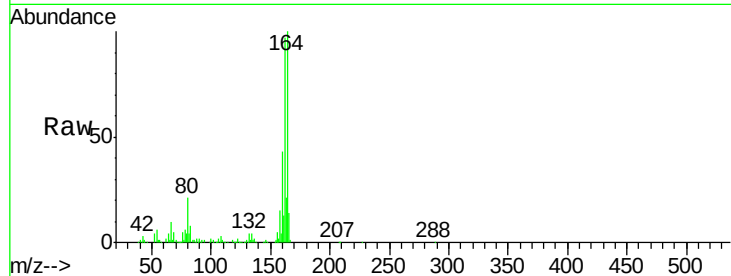




#51
 2,6-Dinitrotoluene
 Concen: 8.19 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.42 min
 Lab File: BG044802.D
 Acq: 14 Mar 2020 19:41

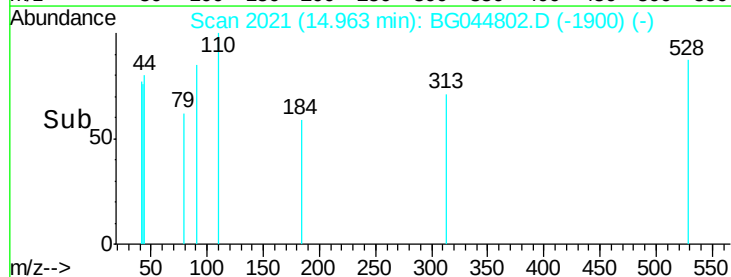
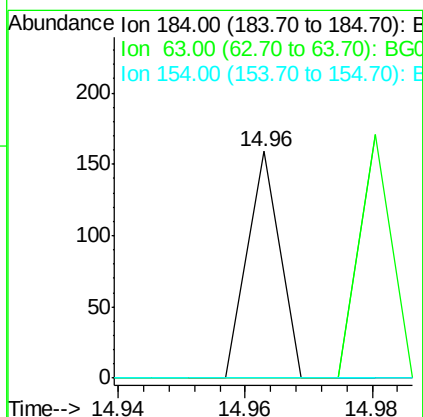
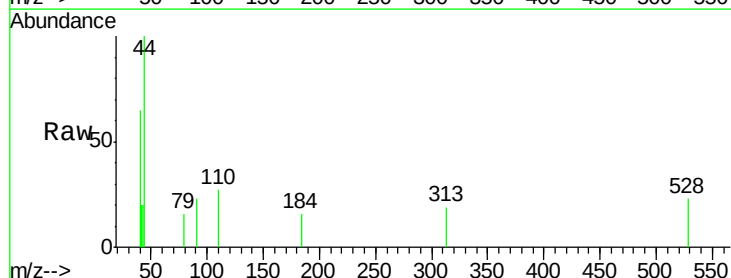
Instrument :
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 PB127536BL

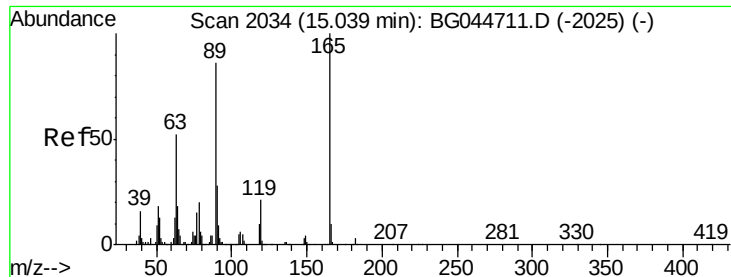
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	2.2	53.8	80.8#



#54
 2,4-Dinitrophenol
 Concen: 8.35 ng
 RT: 14.96 min Scan# 2021
 Delta R.T. 0.18 min
 Lab File: BG044802.D
 Acq: 14 Mar 2020 19:41

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	49.0	73.6#
154	0.0	94.5	141.7#

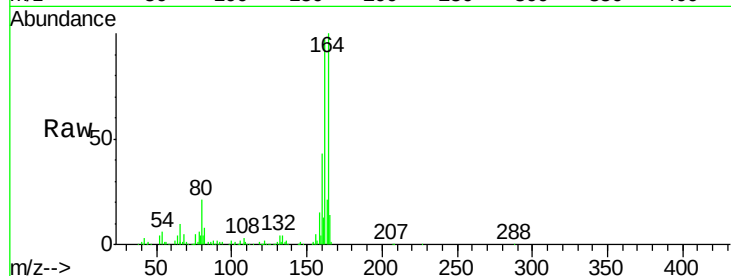




#57
 2,4-Dinitrotoluene
 Concen: 5.97 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.36 min
 Lab File: BG044802.D
 Acq: 14 Mar 2020 19:41

Instrument :
 BNA_G
 ClientSampleId :
 PB127536BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.5	62.3#
89	2.2	69.0	103.4#
182	0.0	2.7	4.1#

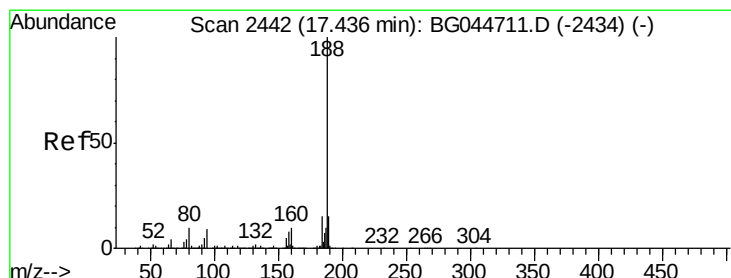
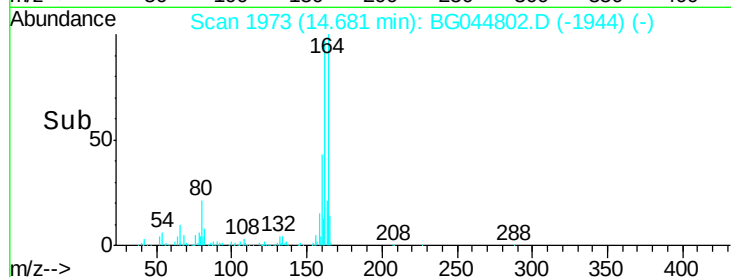
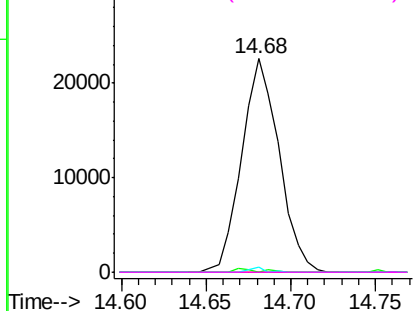


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

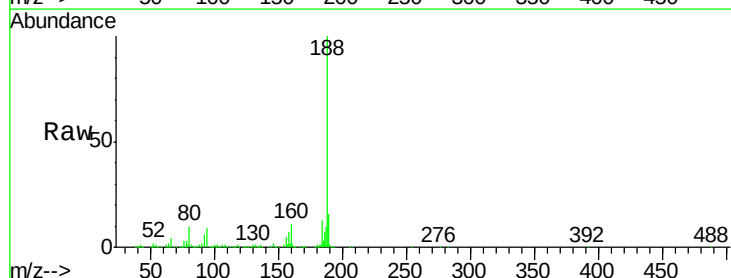
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. -0.01 min
 Lab File: BG044802.D
 Acq: 14 Mar 2020 19:41

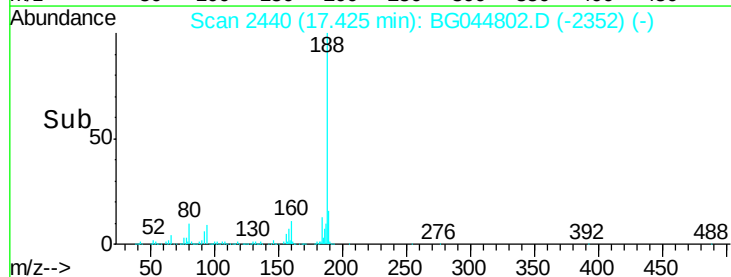
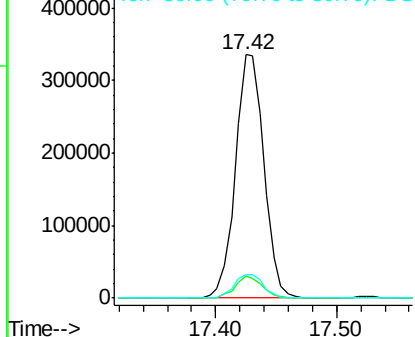
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.0	10.6
80	9.8	8.4	12.6

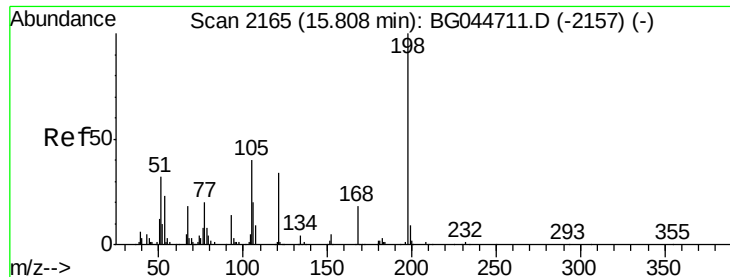


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

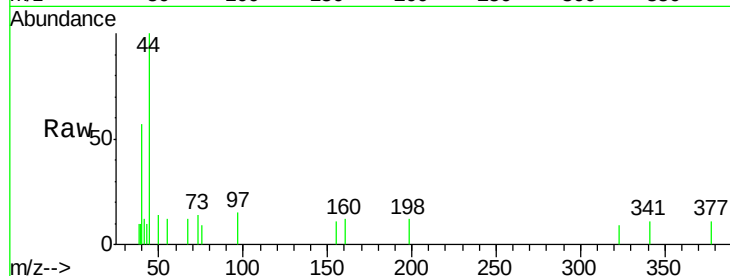




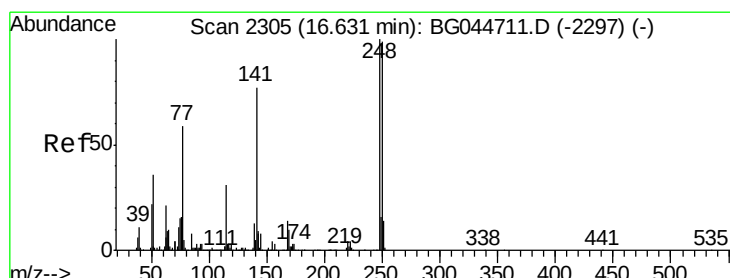
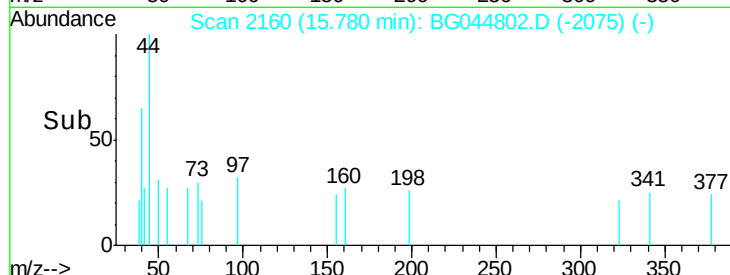
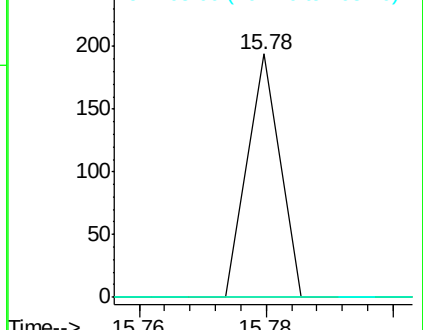
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.75 ng
 RT: 15.78 min Scan# 2160
 Delta R.T. -0.03 min
 Lab File: BG044802.D
 Acq: 14 Mar 2020 19:41

Instrument :
 BNA_G
 ClientSampleId :
 PB127536BL

Tgt Ion	Ratio	Lower	Upper
198	100		
51	0.0	20.1	60.1#
105	0.0	21.3	61.3#

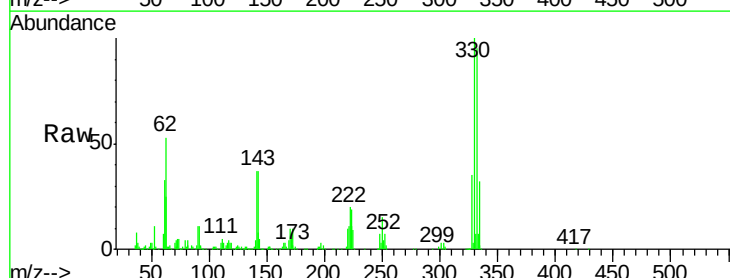


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

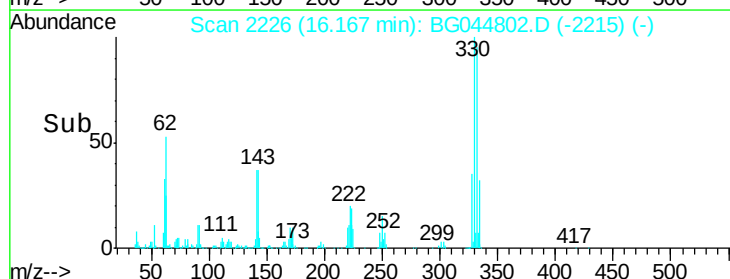
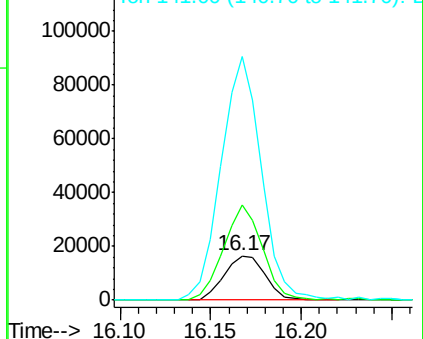


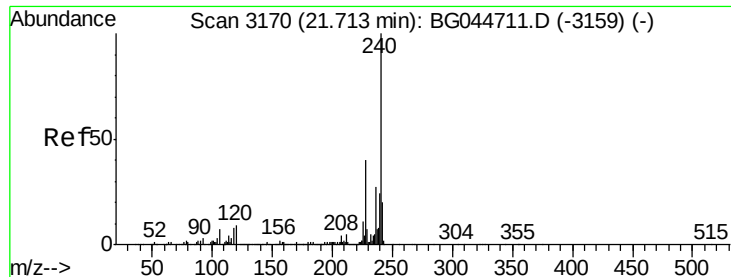
#67
 4-Bromophenyl-phenylether
 Concen: 3.75 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG044802.D
 Acq: 14 Mar 2020 19:41

Tgt Ion	Ratio	Lower	Upper
248	100		
250	213.4	79.4	119.0#
141	547.0	61.7	92.5#



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





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.02 min

Lab File: BG044802.D

Acq: 14 Mar 2020 19:41

Instrument :

BNA_G

ClientSampleId :

PB127536BL

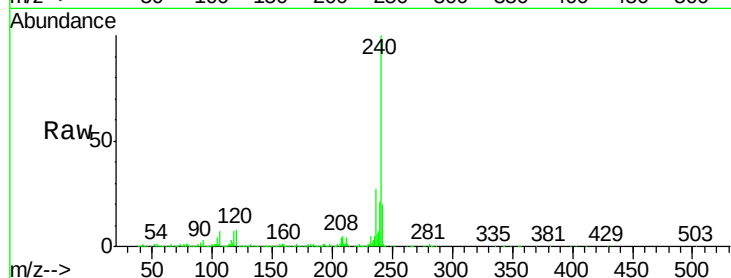
Tgt Ion:240 Resp: 500031

Ion Ratio Lower Upper

240 100

120 8.1 6.9 10.3

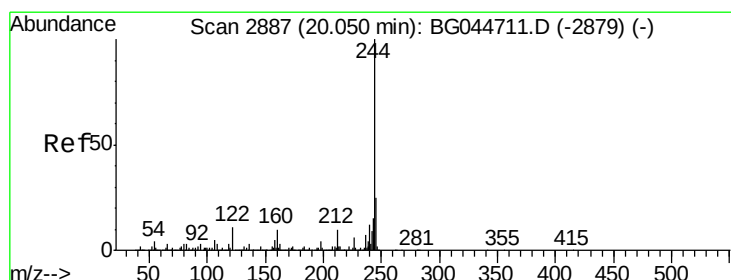
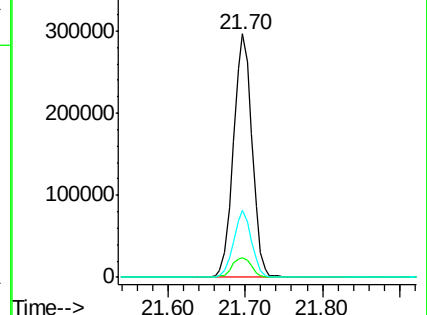
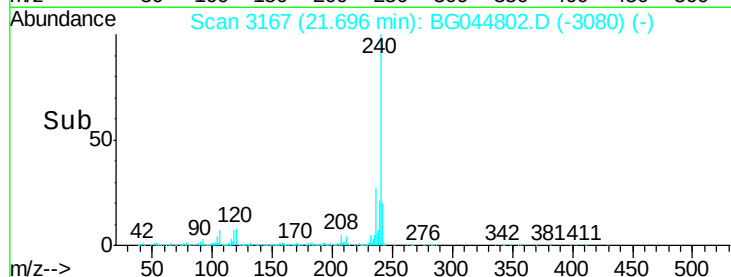
236 27.3 21.9 32.9



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



#79

Terphenyl-d14

Concen: 74.87 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG044802.D

Acq: 14 Mar 2020 19:41

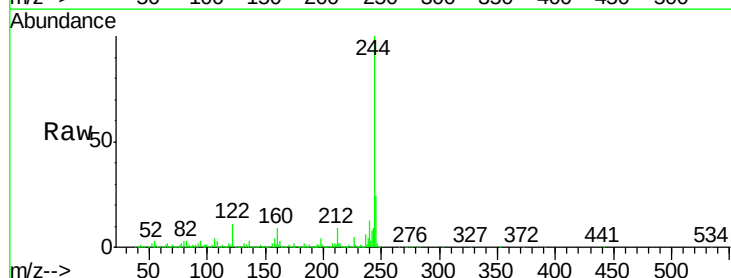
Tgt Ion:244 Resp: 2001353

Ion Ratio Lower Upper

244 100

212 9.4 8.4 12.6

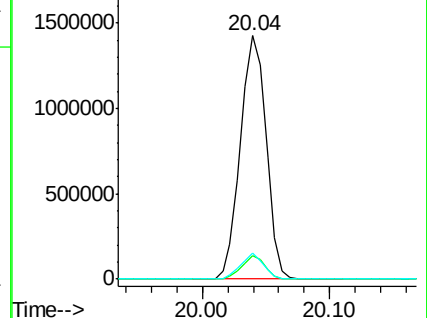
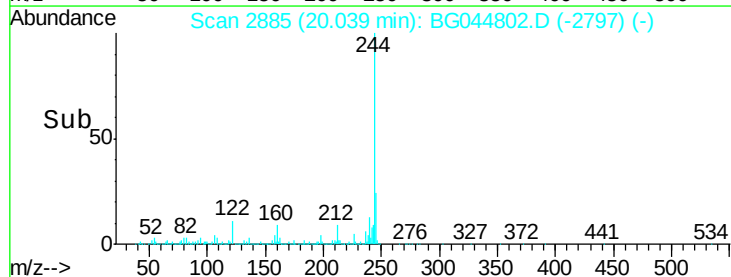
122 10.5 8.7 13.1

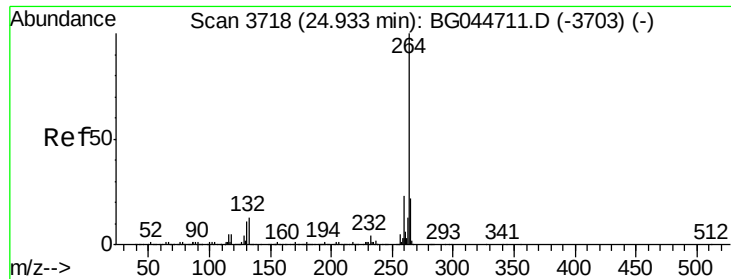


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

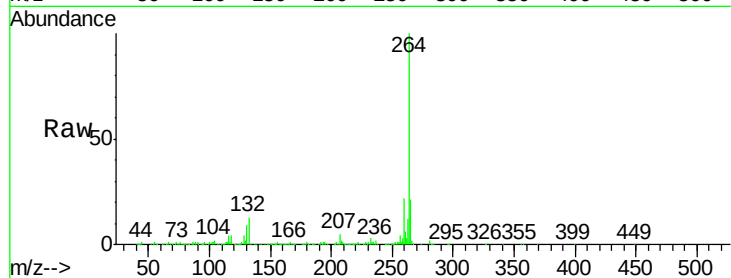




#87
Perylene-d12
Concen: 20.00 ng
RT: 24.92 min Scan# 3715
Delta R.T. -0.02 min
Lab File: BG044802.D
Acq: 14 Mar 2020 19:41

Instrument :
BNA_G
ClientSampleId :
PB127536BL

Tgt Ion:	264	Resp:	552932
Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.4	27.6
265	21.4	17.4	26.2



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

