

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044748.D
 Acq On : 13 Mar 2020 00:08
 Operator : CG/JU
 Sample : PB127447BL
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 06:10:22 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	8.06	152	104845	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	420308	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	296677	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	654289	20.00	ng	0.00
76) Chrysene-d12	21.70	240	610542	20.00	ng	-0.01
87) Perylene-d12	24.91	264	663846	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	755785	112.22	ng	0.00
7) Phenol-d6	7.20	99	1074932	109.85	ng	0.00
23) Nitrobenzene-d5	9.21	82	697145	72.78	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	415712	107.02	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1481029	71.49	ng	0.00
79) Terphenyl-d14	20.04	244	2342787	71.78	ng	0.00

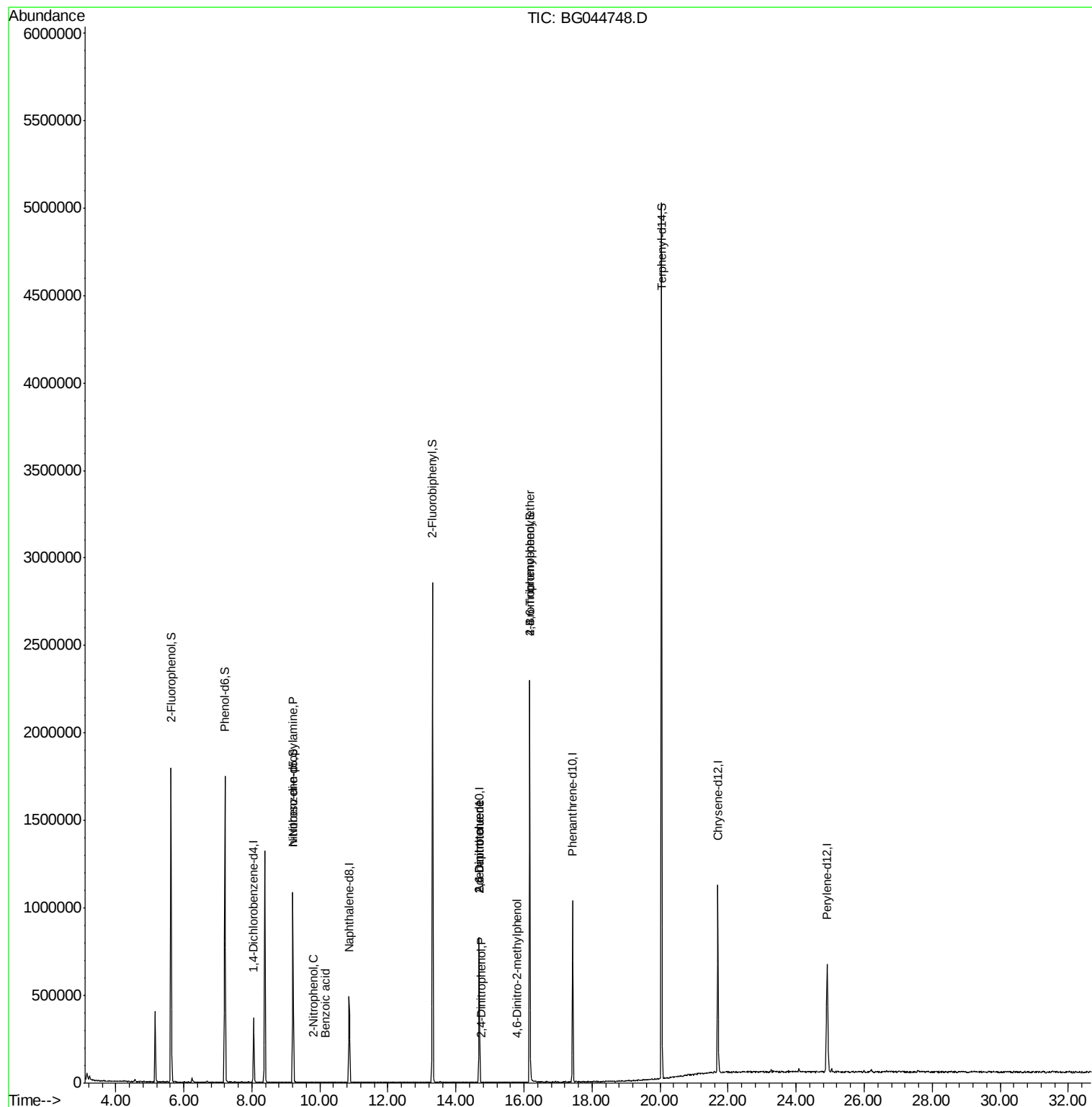
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.22	77	2260	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.21	70	95512	13.823	ng	# 77
26) 2-Nitrophenol	9.80	139	222	5.572	ng	# 28
32) Benzoic acid	10.15	122	84	9.684	ng	# 1
51) 2,6-Dinitrotoluene	14.68	165	39211	8.233	ng	# 19
54) 2,4-Dinitrophenol	14.75	184	80	8.352	ng	# 2
57) 2,4-Dinitrotoluene	14.68	165	39211	6.003	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.79	198	60	7.745	ng	# 35
67) 4-Bromophenyl-phenylether	16.16	248	27900	3.411	ng	# 1

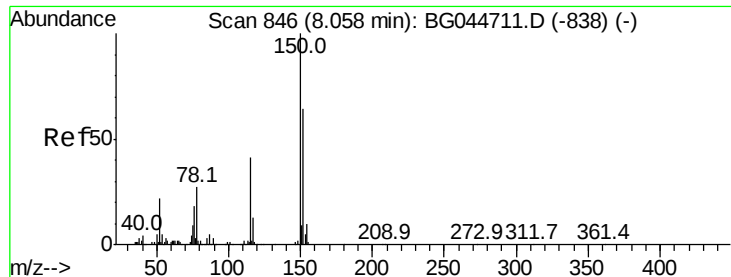
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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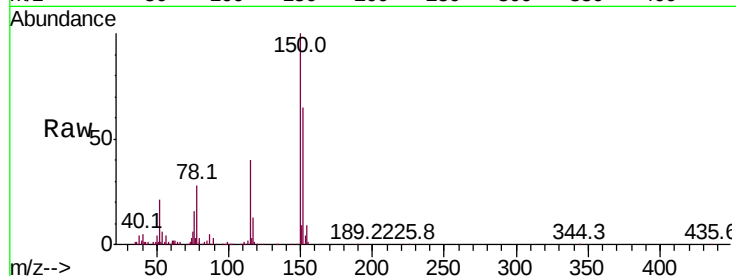


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG044748.D
Acq: 13 Mar 2020 00:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	125.3	187.9
115	61.2	51.7	77.5

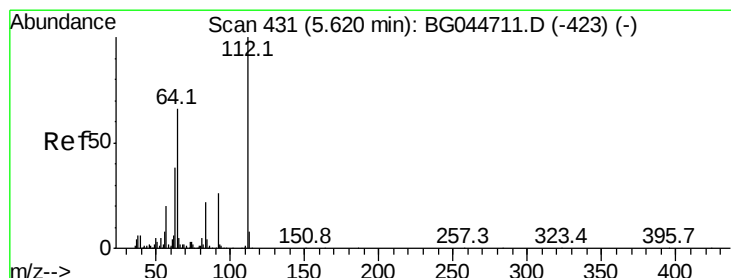
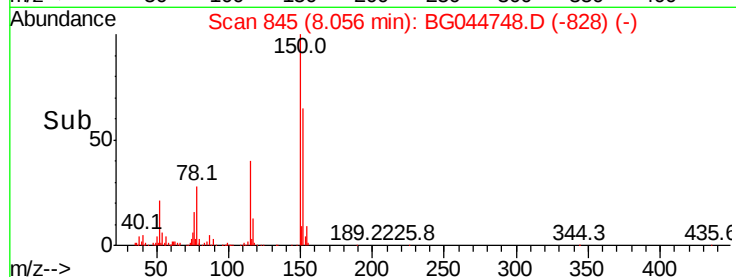
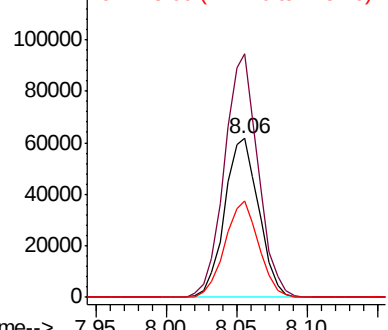


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

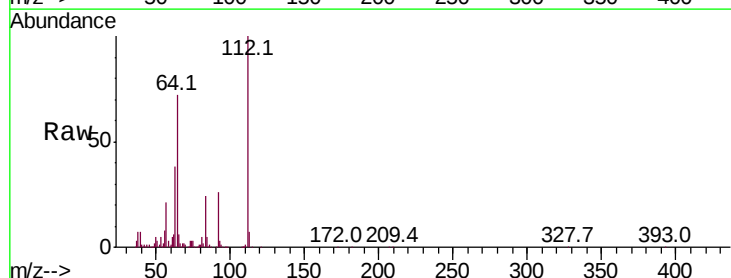
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 112.216 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044748.D
Acq: 13 Mar 2020 00:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.8	52.6	78.8
63	38.4	30.2	45.4

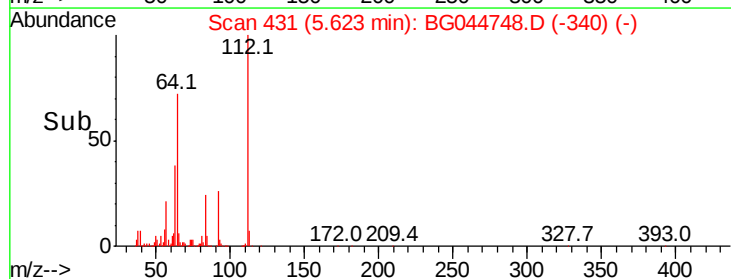
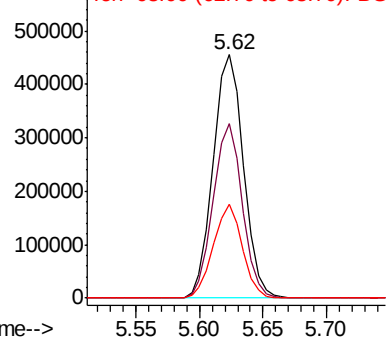


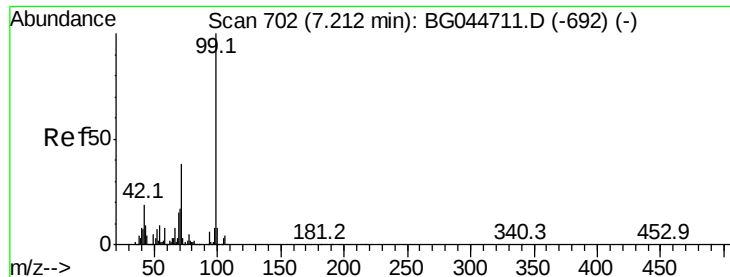
Abundance

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: 109.848 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044748.D

Acq: 13 Mar 2020 00:08

Instrument :

BNA_G

ClientSampleId :

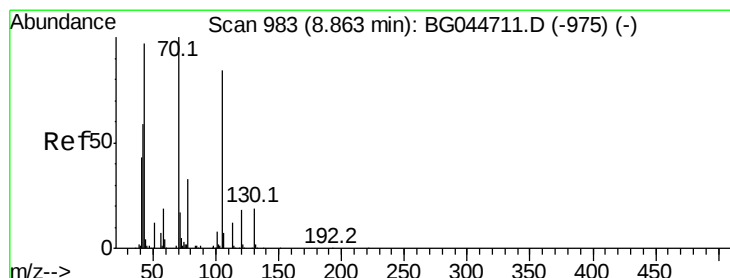
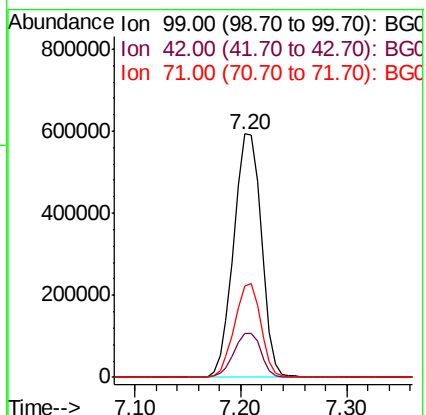
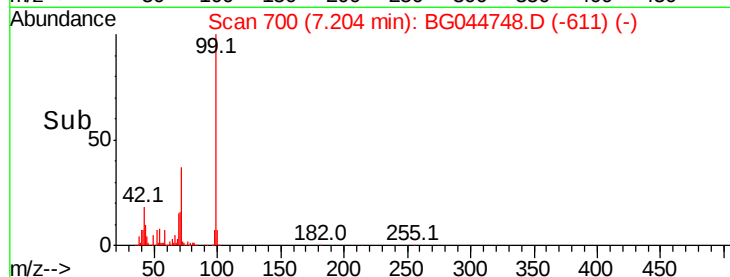
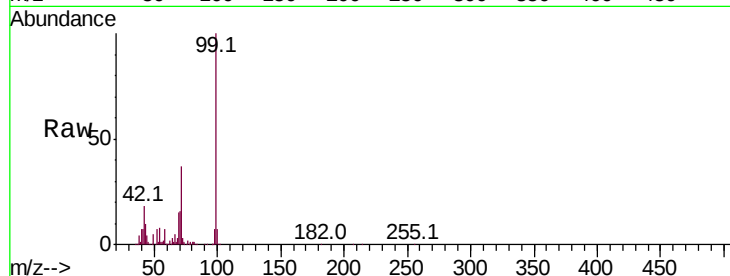
Tot Ion: 99 Resp: 1074932

Ion Ratio Lower Upper

99 100

42 17.8 15.4 23.0

71 37.3 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.823 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG044748.D

Acq: 13 Mar 2020 00:08

Tgt Ion: 70 Resp: 95512

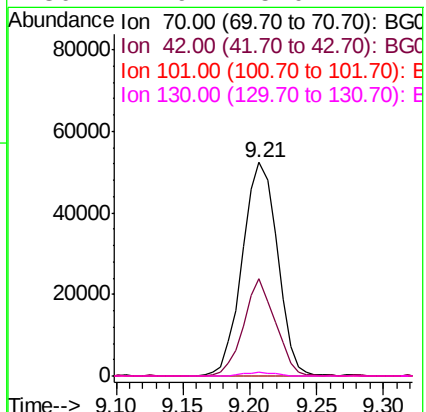
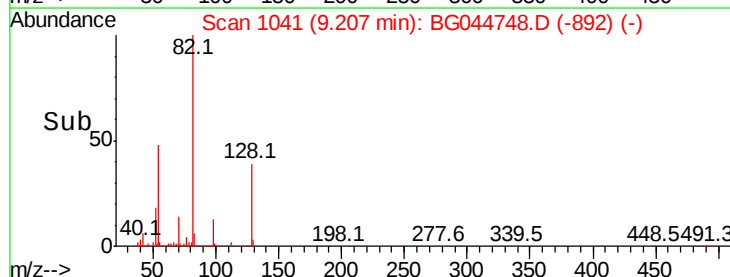
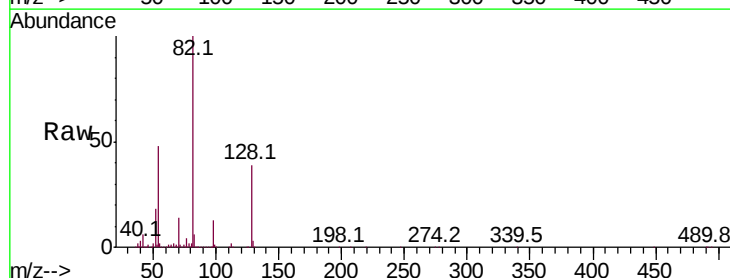
Ion Ratio Lower Upper

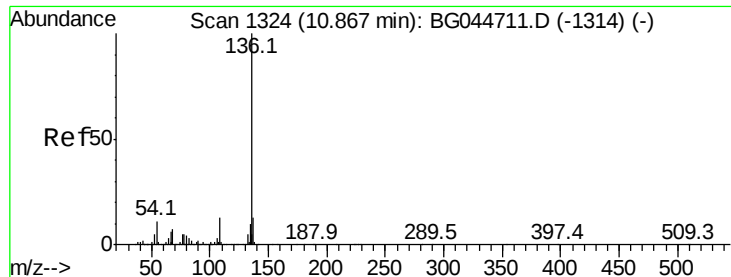
70 100

42 45.4 47.6 71.4#

101 0.0 6.5 9.7#

130 1.9 15.0 22.4#

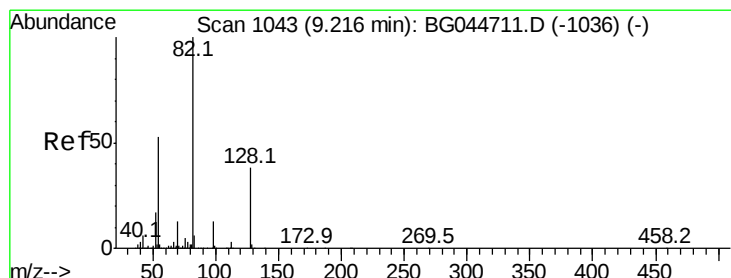
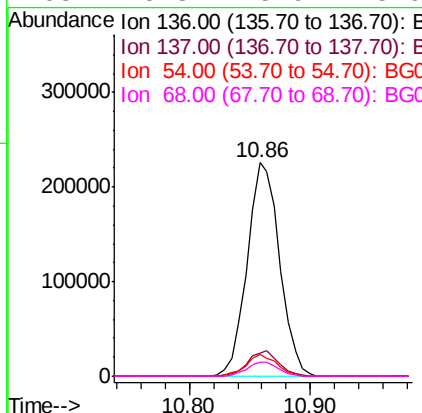
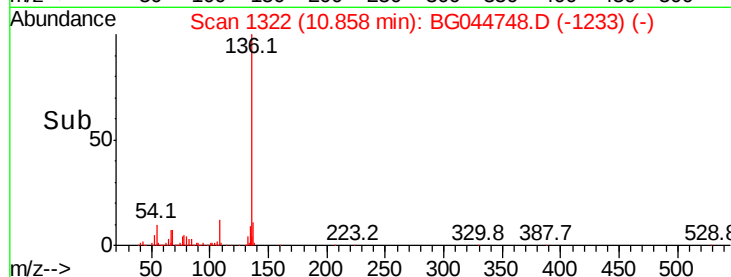
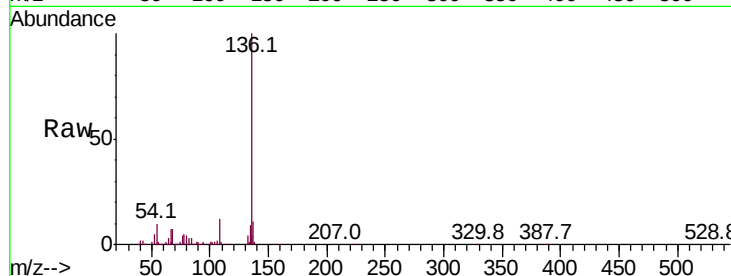




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG044748.D
Acq: 13 Mar 2020 00:08

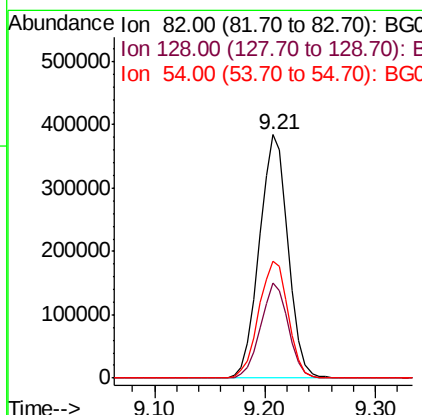
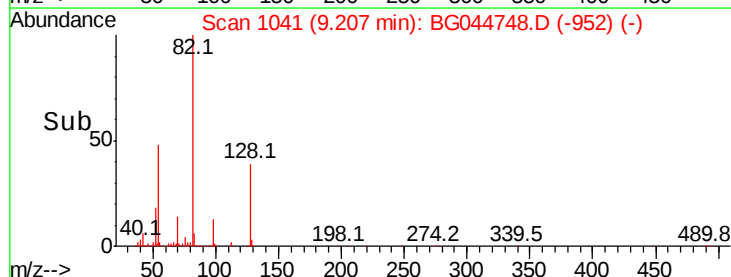
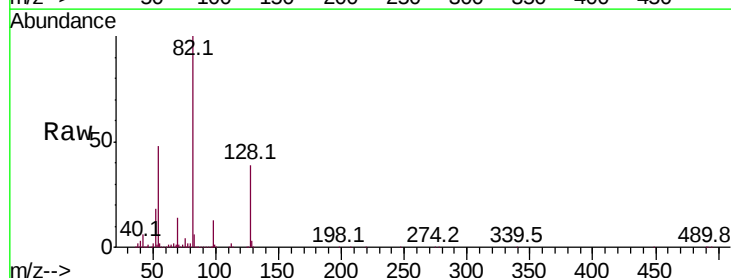
Instrument :
BNA_G
ClientSampleId :

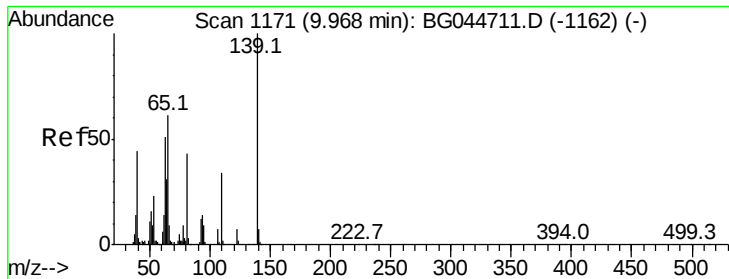
Tot Ion:136	Resp:	420308	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	10.7	16.1	
54 10.3	9.0	13.4	
68 6.8	5.9	8.9	



#23
Nitrobenzene-d5
Concen: 72.784 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG044748.D
Acq: 13 Mar 2020 00:08

Tgt Ion: 82	Resp: 697145
Ion Ratio	Lower Upper
82 100	
128 38.9	30.2 45.2
54 47.9	41.8 62.8





#26

2-Nitrophenol

Concen: 5.572 ng

RT: 9.80 min Scan# 1142

Delta R.T. -0.17 min

Lab File: BG044748.D

Acq: 13 Mar 2020 00:08

Instrument :

BNA_G

ClientSampled :

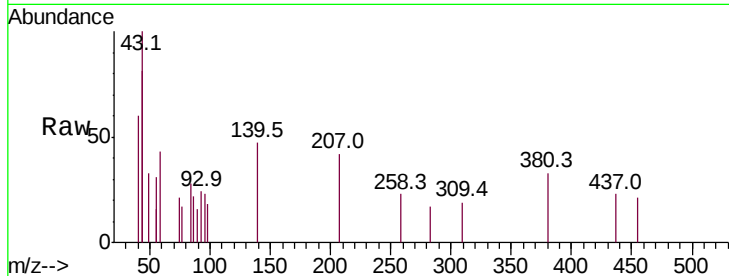
Tot Ion:139 Resp: 222

Ion Ratio Lower Upper

139 100

109 0.0 27.0 40.4#

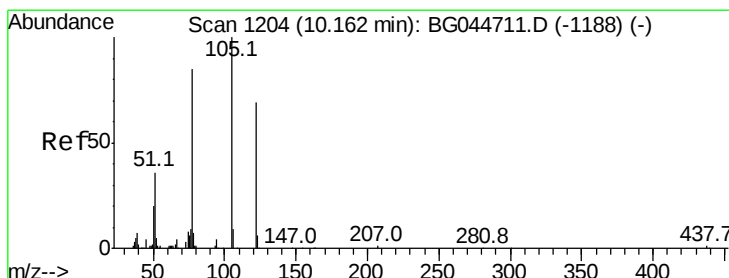
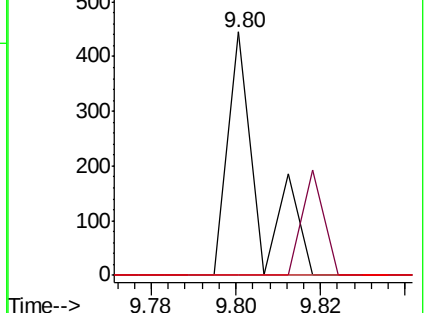
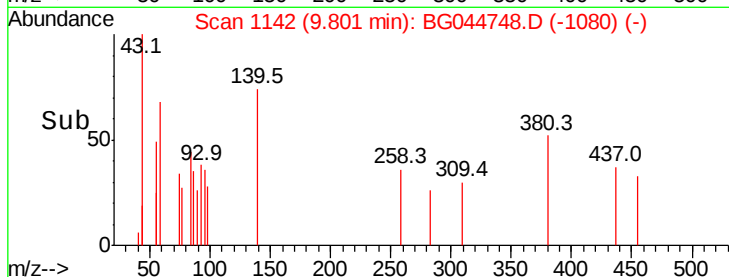
65 0.0 48.6 73.0#



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): BGC



#32

Benzoic acid

Concen: 9.684 ng

RT: 10.15 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BG044748.D

Acq: 13 Mar 2020 00:08

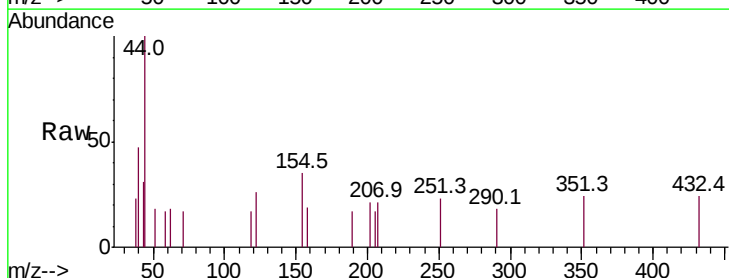
Tgt Ion:122 Resp: 84

Ion Ratio Lower Upper

122 100

105 0.0 119.0 159.0#

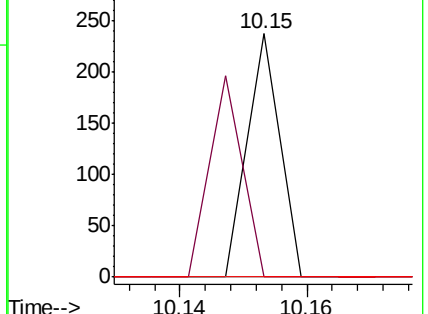
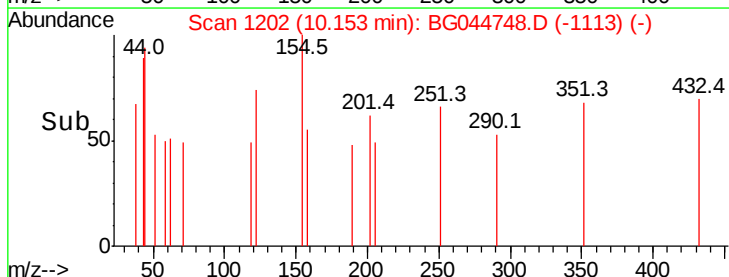
77 0.0 96.4 136.4#

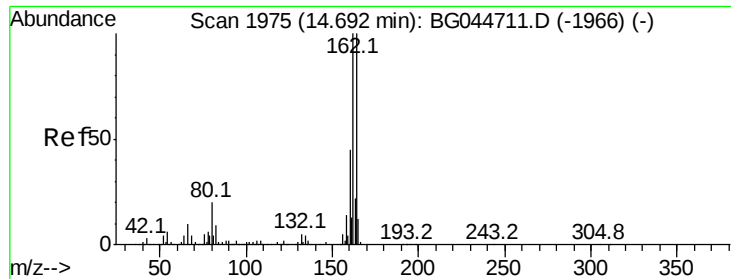


Abundance Ion 122.00 (121.70 to 122.70): E

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: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG044748.D

Acq: 13 Mar 2020 00:08

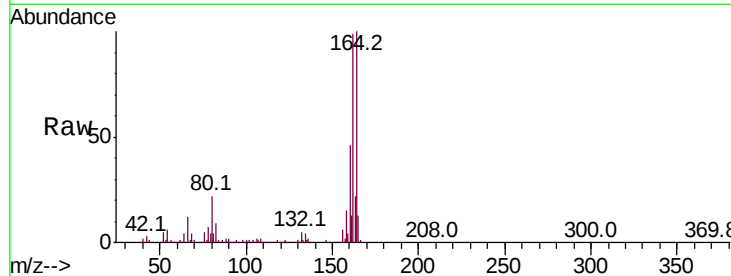
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 296677

Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.2	120.4
160	46.5	36.2	54.2

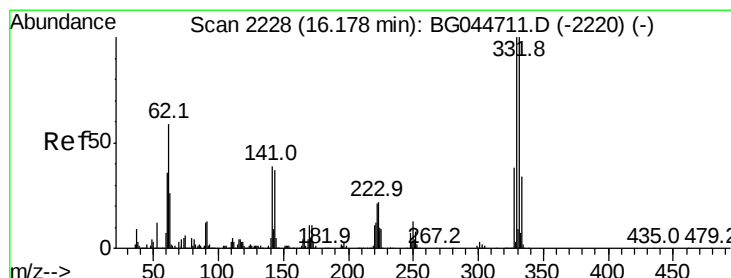
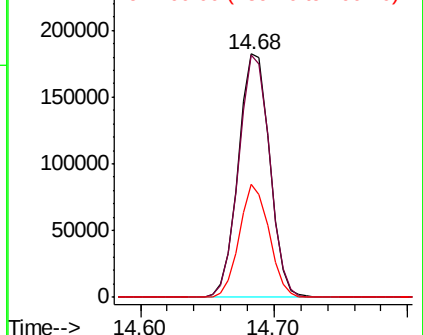
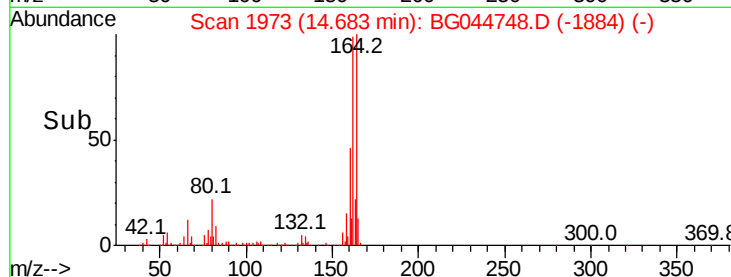


Abundance

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: 107.017 ng

RT: 16.17 min Scan# 2226

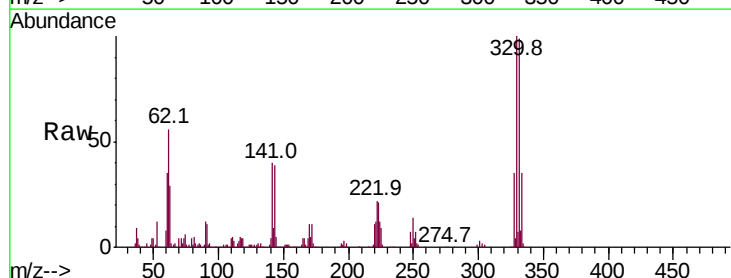
Delta R.T. -0.01 min

Lab File: BG044748.D

Acq: 13 Mar 2020 00:08

Tgt Ion:330 Resp: 415712

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.5	116.3
141	39.8	31.7	47.5

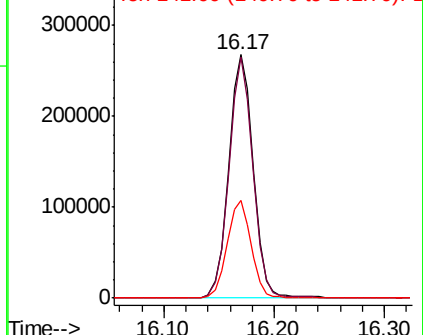
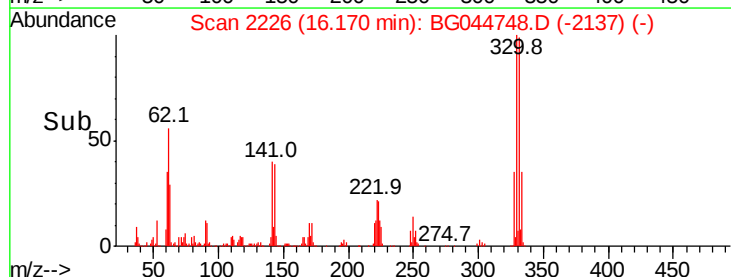


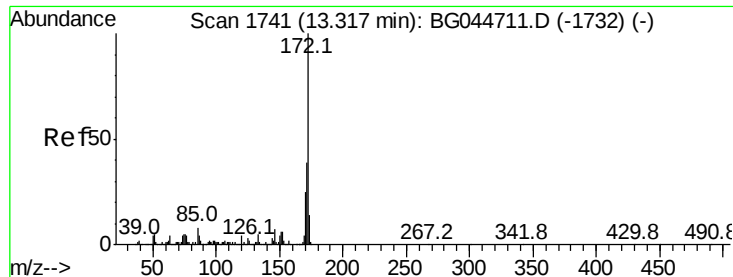
Abundance

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: 71.488 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BG044748.D

Acq: 13 Mar 2020 00:08

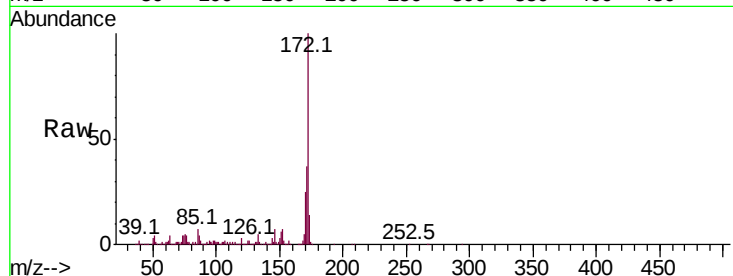
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 1481029

Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.8	46.2
170	24.7	20.0	30.0

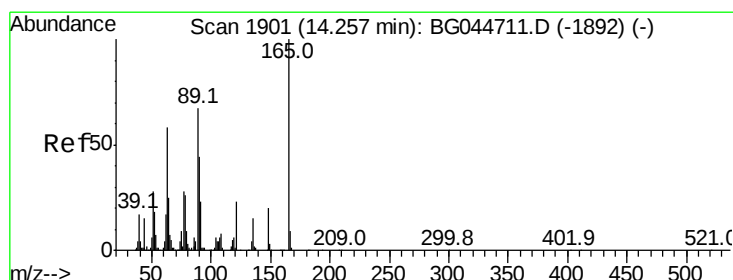
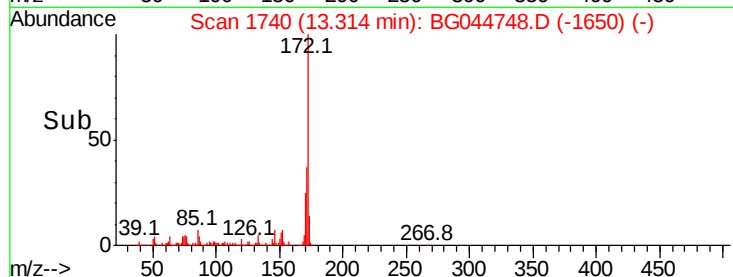
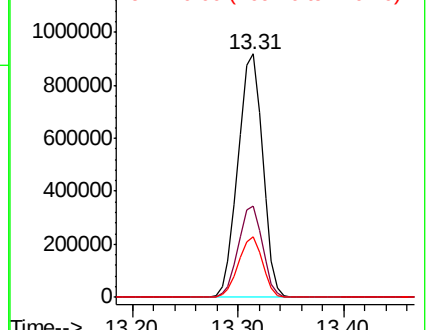


Abundance

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: 8.233 ng

RT: 14.68 min Scan# 1973

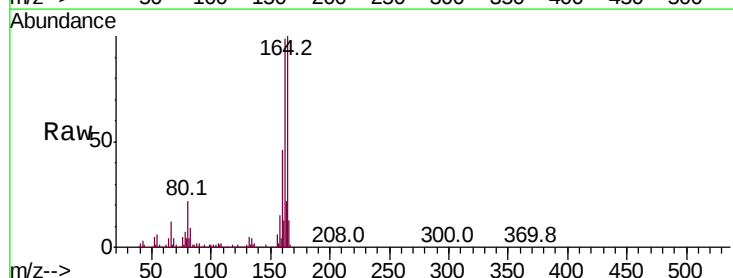
Delta R.T. 0.43 min

Lab File: BG044748.D

Acq: 13 Mar 2020 00:08

Tgt Ion:165 Resp: 39211

Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	2.3	53.8	80.8#

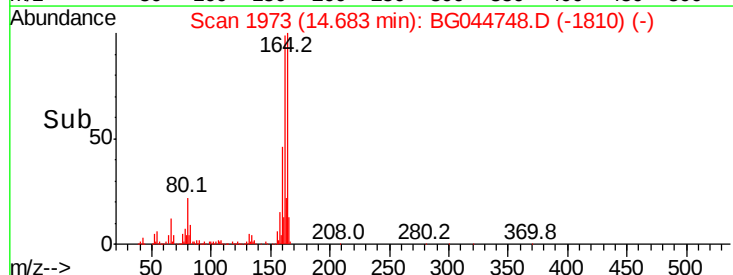
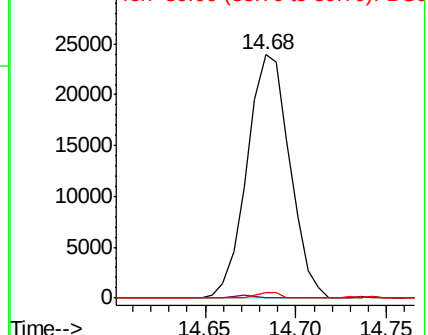


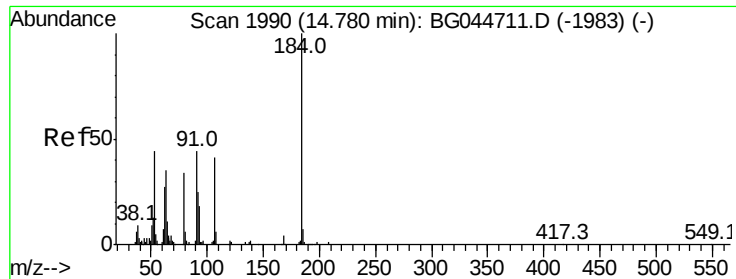
Abundance

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

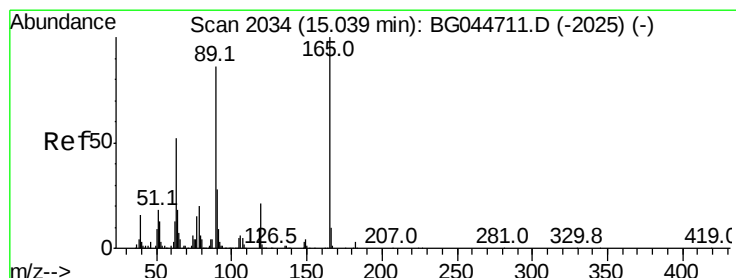
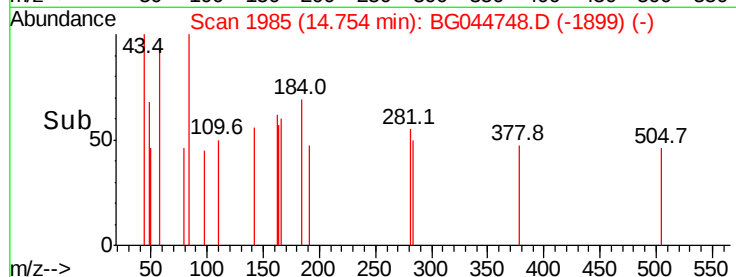
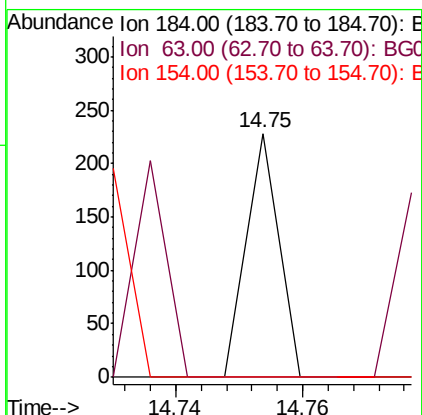
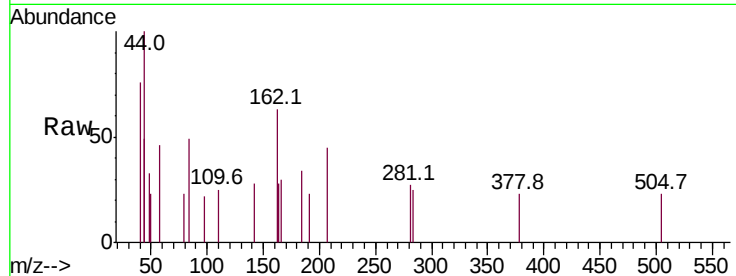




#54
2,4-Dinitrophenol
Concen: 8.352 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.03 min
Lab File: BG044748.D
Acq: 13 Mar 2020 00:08

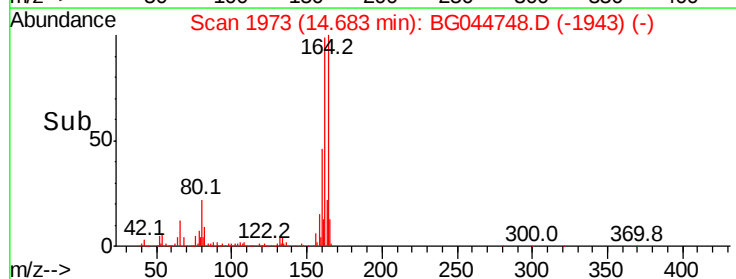
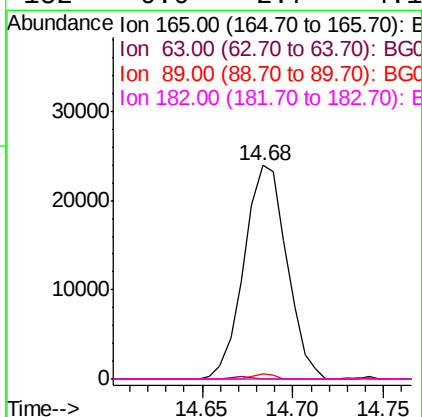
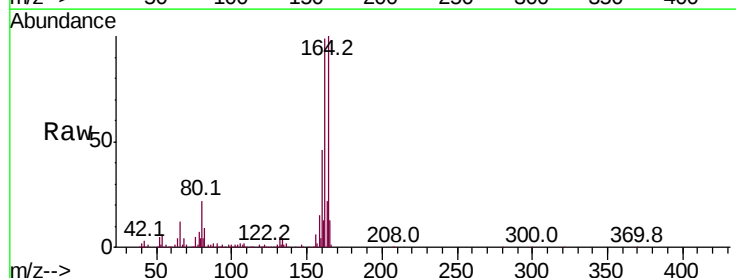
Instrument :
BNA_G
ClientSampled :

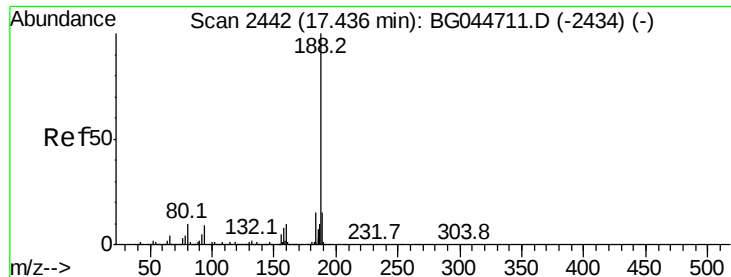
Tot Ion	Ratio	Lower	Upper
184	100		
63	0.0	49.0	73.6#
154	0.0	94.5	141.7#



#57
2,4-Dinitrotoluene
Concen: 6.003 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.36 min
Lab File: BG044748.D
Acq: 13 Mar 2020 00:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.5	62.3#
89	2.3	69.0	103.4#
182	0.0	2.7	4.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG044748.D

Acq: 13 Mar 2020 00:08

Instrument :

BNA_G

ClientSampleId :

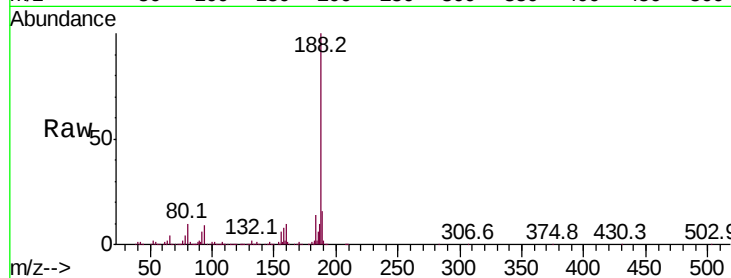
Tot Ion:188 Resp: 654289

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.6

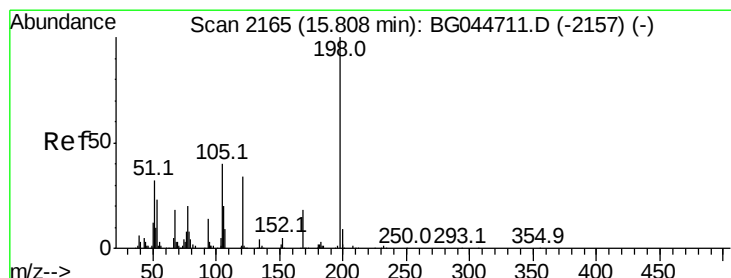
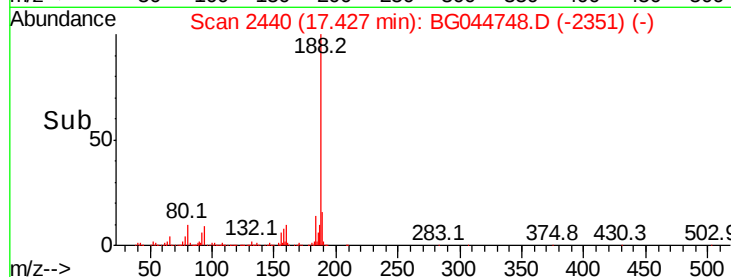
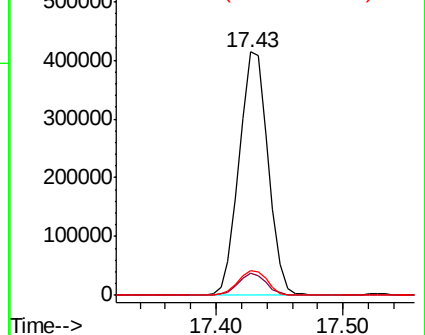
80 10.1 8.4 12.6



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: 7.745 ng

RT: 15.79 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BG044748.D

Acq: 13 Mar 2020 00:08

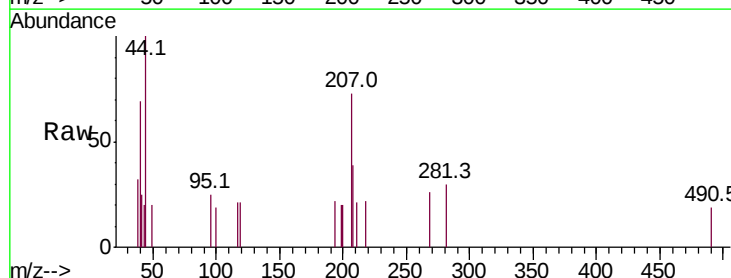
Tgt Ion:198 Resp: 60

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

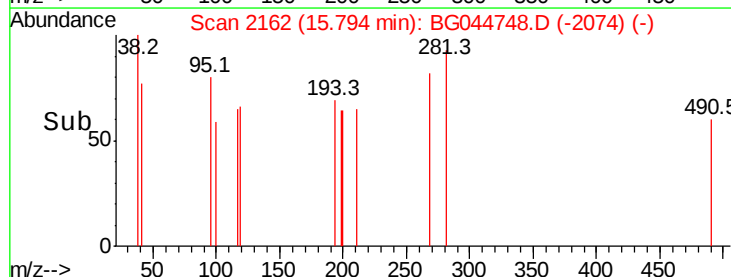
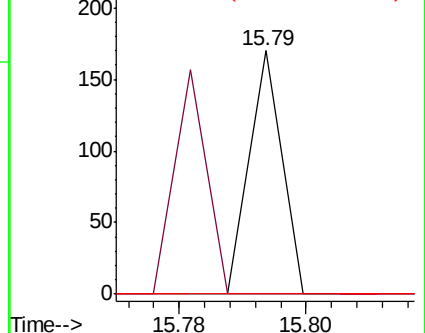
105 0.0 21.3 61.3#

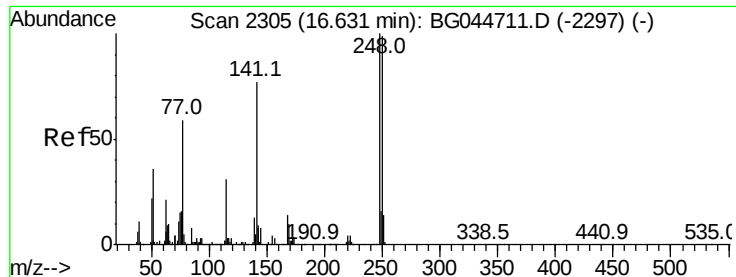


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.411 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.47 min

Lab File: BG044748.D

Acq: 13 Mar 2020 00:08

Instrument :

BNA_G

ClientSampled :

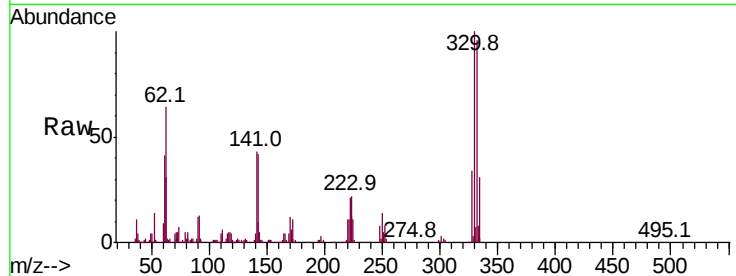
Tot Ion:248 Resp: 27900

Ion Ratio Lower Upper

248 100

250 177.2 79.4 119.0#

141 528.7 61.7 92.5#

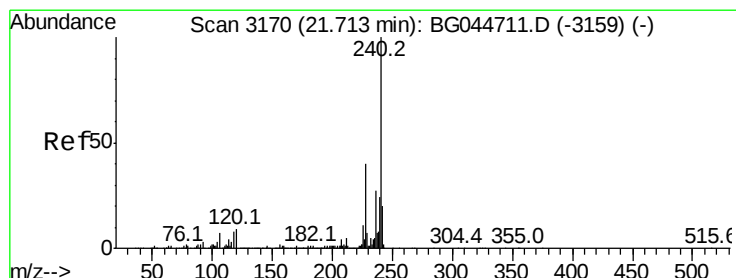
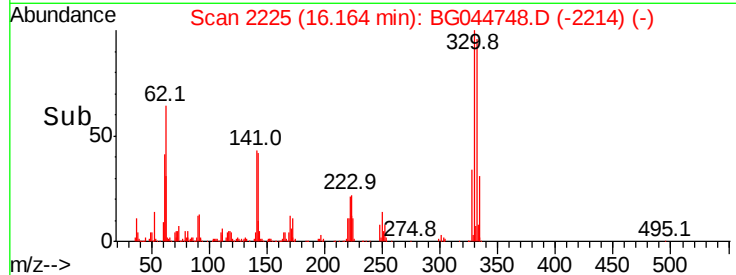
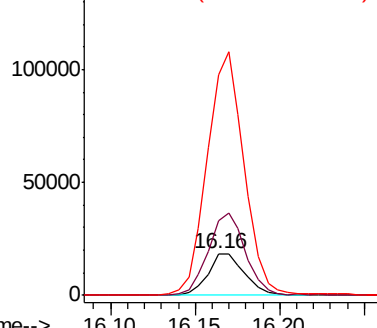


Abundance

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: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG044748.D

Acq: 13 Mar 2020 00:08

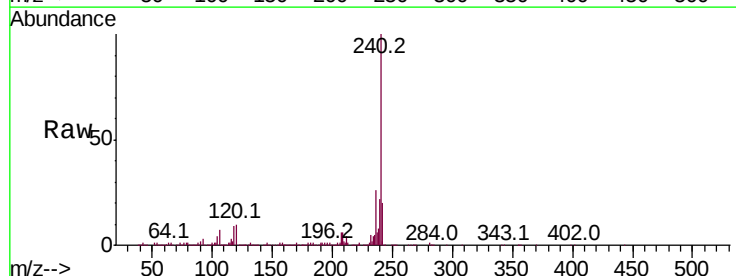
Tgt Ion:240 Resp: 610542

Ion Ratio Lower Upper

240 100

120 9.7 6.9 10.3

236 25.9 21.9 32.9

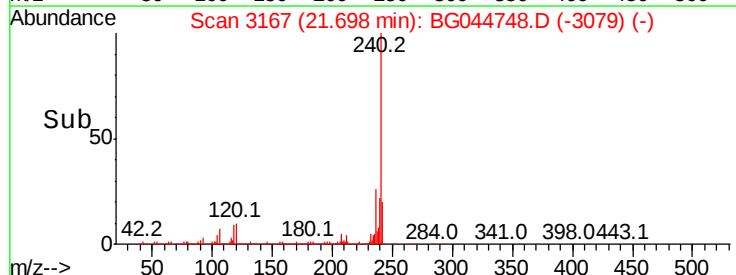
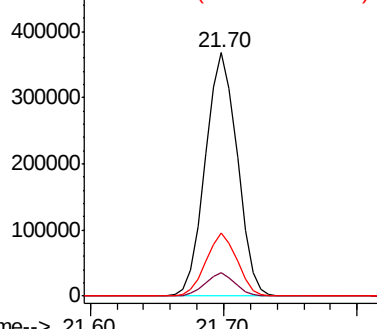


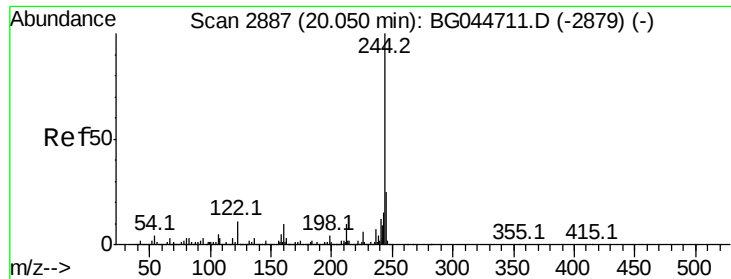
Abundance

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: 71.777 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG044748.D

Acq: 13 Mar 2020 00:08

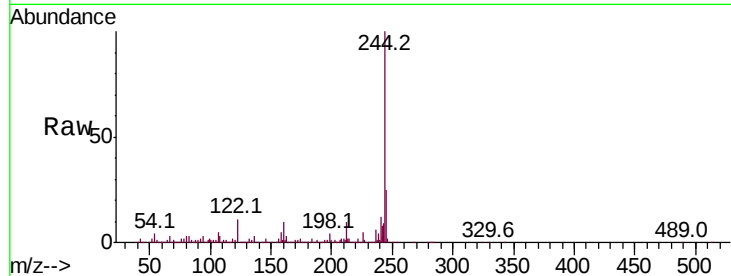
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2342787

Ion	Ratio	Lower	Upper
244	100		
212	10.0	8.4	12.6
122	11.3	8.7	13.1

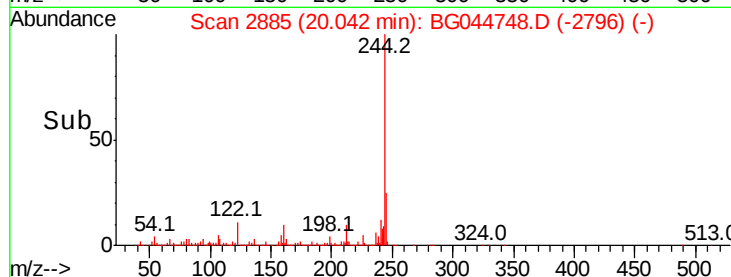


Abundance

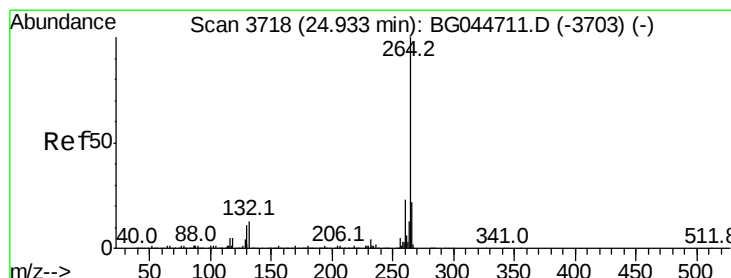
Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3714

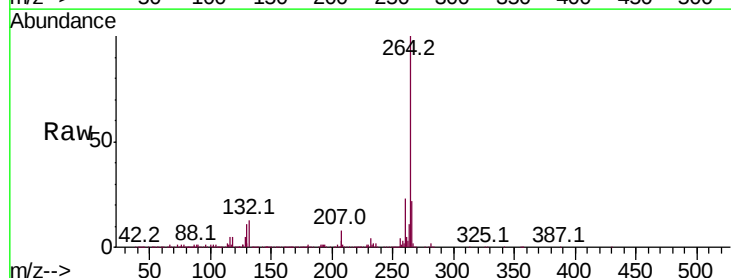
Delta R.T. -0.02 min

Lab File: BG044748.D

Acq: 13 Mar 2020 00:08

Tgt Ion:264 Resp: 663846

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	21.8	17.4	26.2

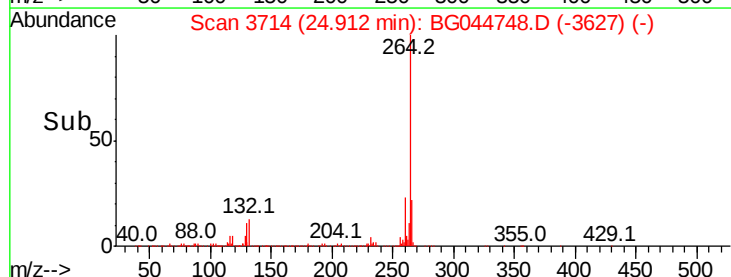


Abundance

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



Time-->