

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
 Data File : BG044797.D
 Acq On : 14 Mar 2020 13:45
 Operator : CG/JU
 Sample : L1907-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-6-SA

Quant Time: Mar 16 01:36:22 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	8.05	152	110442	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	450978	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	299813	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	608729	20.00	ng	0.00
76) Chrysene-d12	21.70	240	515179	20.00	ng	-0.02
87) Perylene-d12	24.92	264	581313	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	822633	115.95	ng	0.00
7) Phenol-d6	7.21	99	1048038	101.67	ng	0.00
23) Nitrobenzene-d5	9.21	82	901703	87.74	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	519873	132.43	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1789760	85.49	ng	0.00
79) Terphenyl-d14	20.04	244	2476087	89.90	ng	0.00

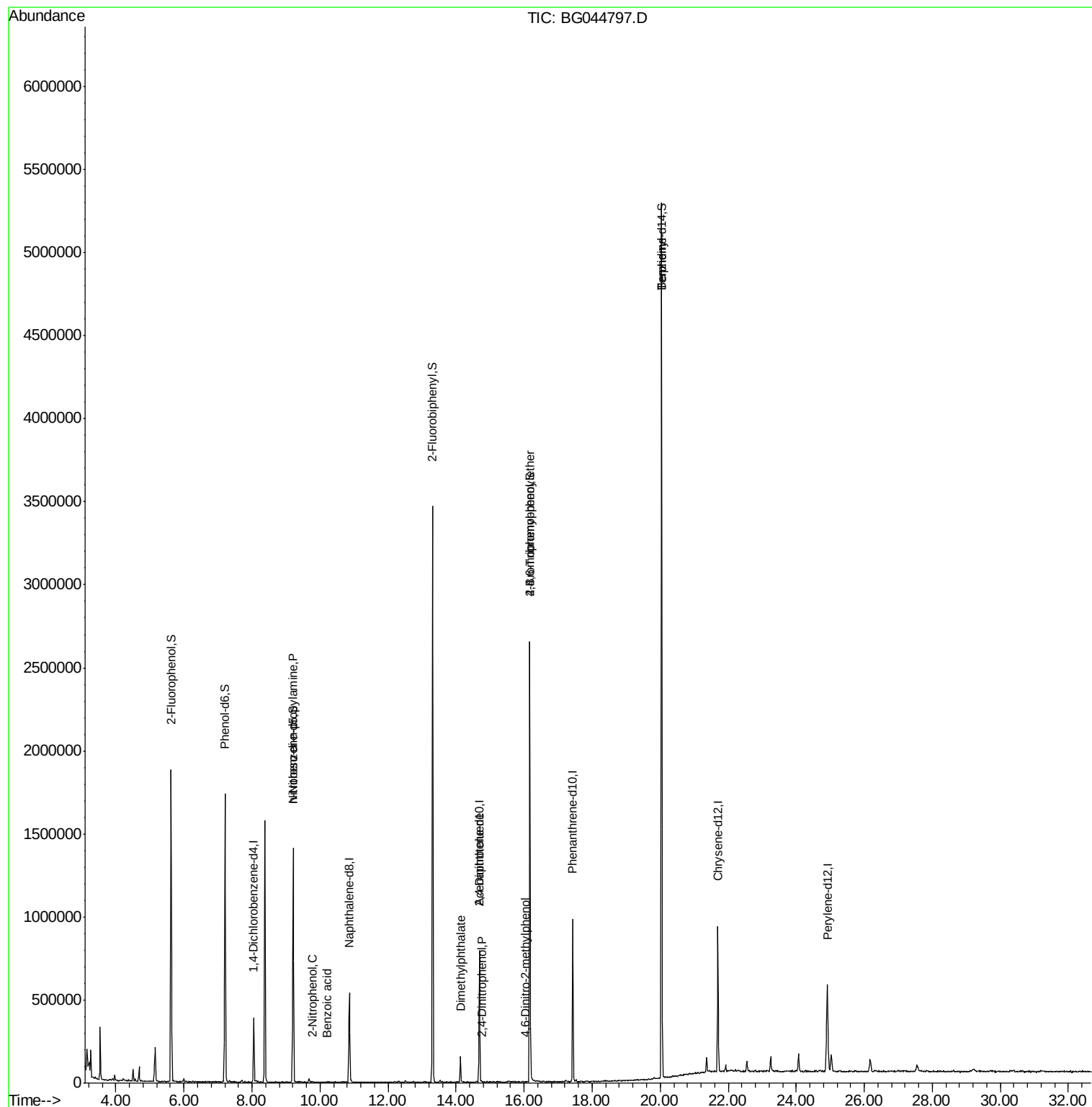
Target Compounds				Qvalue		
9) Benzaldehyde	7.19	77	981	Below Cal	#	22
19) n-Nitroso-di-n-propylamine	9.21	70	122638	16.85	ng	# 77
26) 2-Nitrophenol	9.79	139	56	5.53	ng	# 28
32) Benzoic acid	10.21	122	69	9.68	ng	# 27
50) Dimethylphthalate	14.13	163	104966	4.40	ng	96
54) 2,4-Dinitrophenol	14.76	184	63	8.35	ng	# 1
57) 2,4-Dinitrotoluene	14.69	165	38092	5.77	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.04	198	71	7.75	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	35828	4.71	ng	# 1
77) Benzidine	20.04	184	49158	2.94	ng	# 92

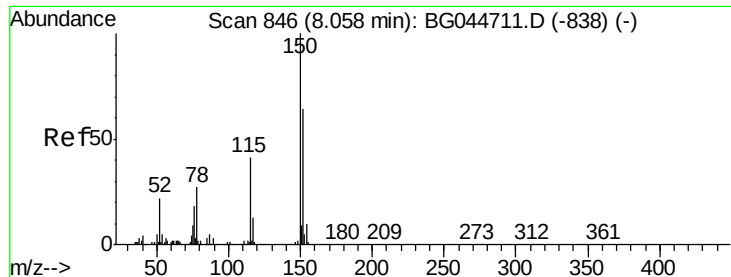
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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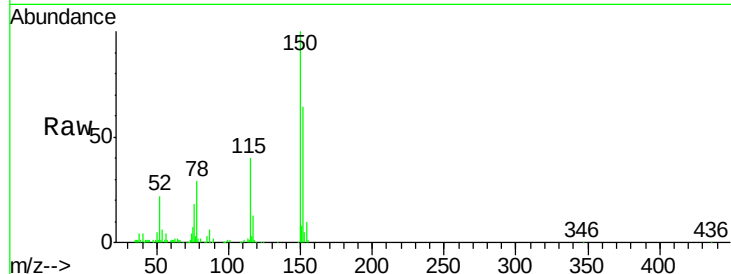


#1

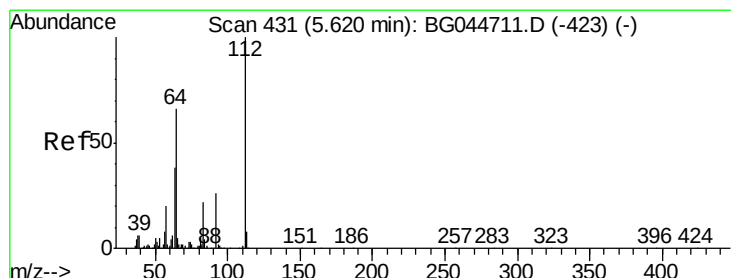
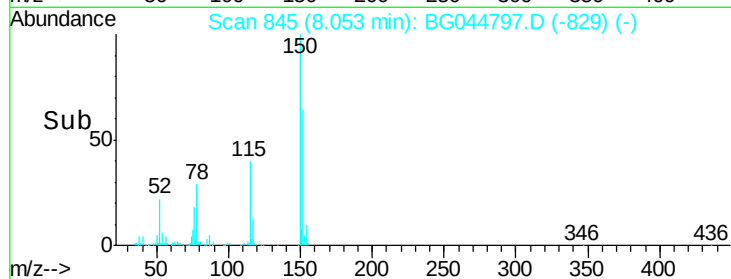
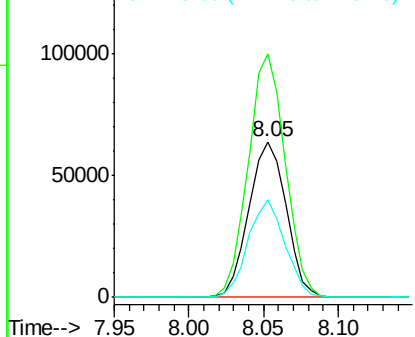
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044797.D
Acq: 14 Mar 2020 13:45

Instrument :
BNA_G
ClientSampleId :
TP-6-SA

Tgt Ion:152 Resp: 110442
Ion Ratio Lower Upper
152 100
150 156.7 125.3 187.9
115 62.9 51.7 77.5



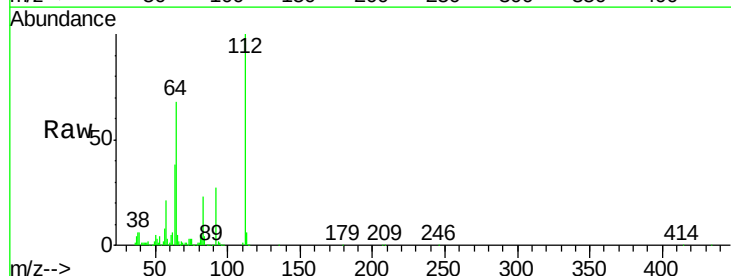
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



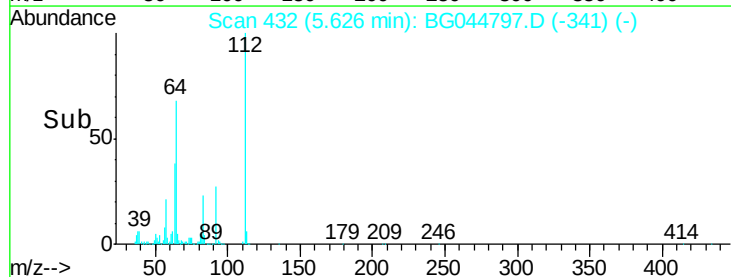
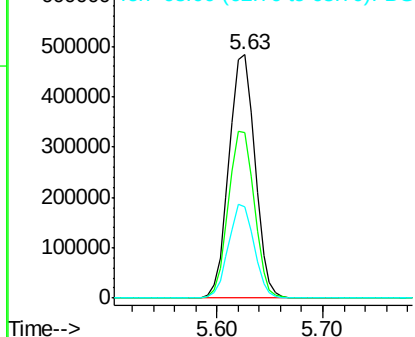
#5

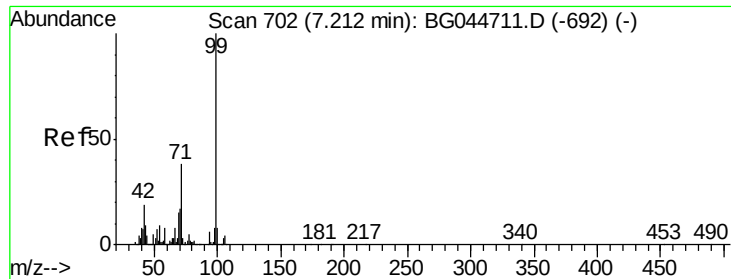
2-Fluorophenol
Concen: 115.95 ng
RT: 5.63 min Scan# 432
Delta R.T. 0.01 min
Lab File: BG044797.D
Acq: 14 Mar 2020 13:45

Tgt Ion:112 Resp: 822633
Ion Ratio Lower Upper
112 100
64 68.1 52.6 78.8
63 37.6 30.2 45.4



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: 101.67 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044797.D

Acq: 14 Mar 2020 13:45

Instrument :

BNA_G

ClientSampleId :

TP-6-SA

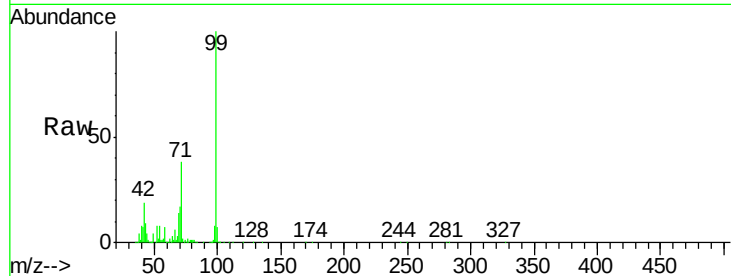
Tgt Ion: 99 Resp: 1048038

Ion Ratio Lower Upper

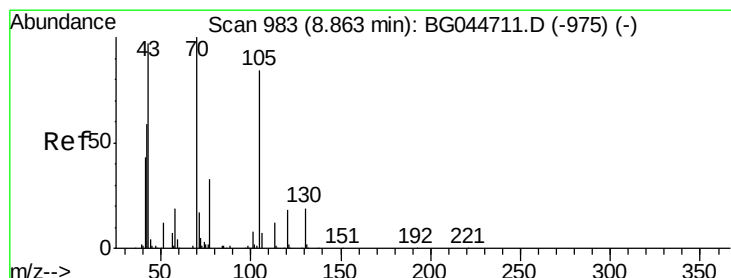
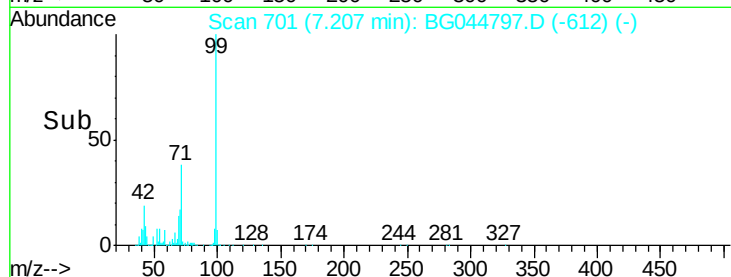
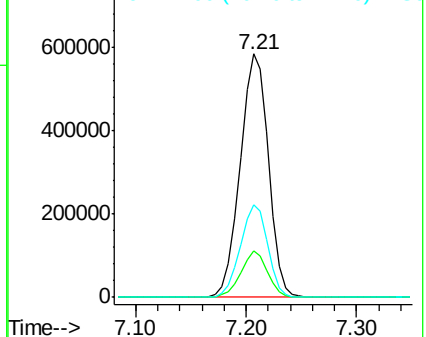
99 100

42 19.0 15.4 23.0

71 38.1 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: 16.85 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044797.D

Acq: 14 Mar 2020 13:45

Tgt Ion: 70 Resp: 122638

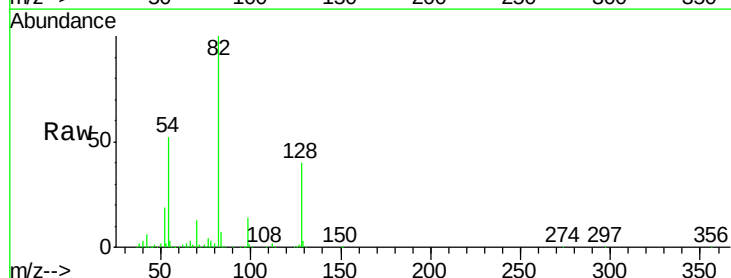
Ion Ratio Lower Upper

70 100

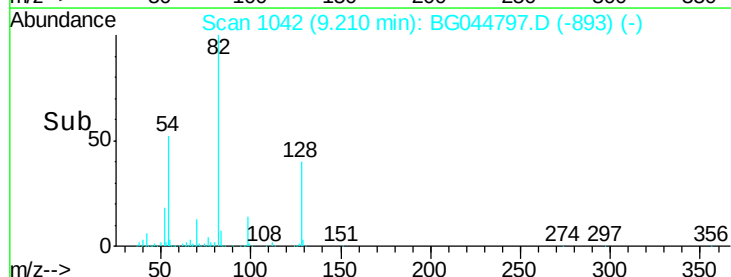
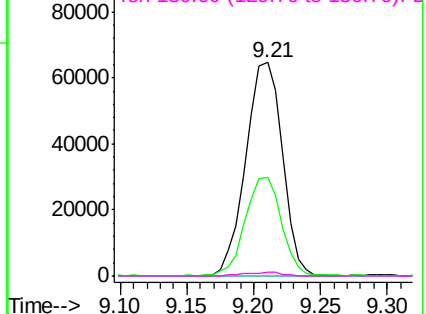
42 46.2 47.6 71.4#

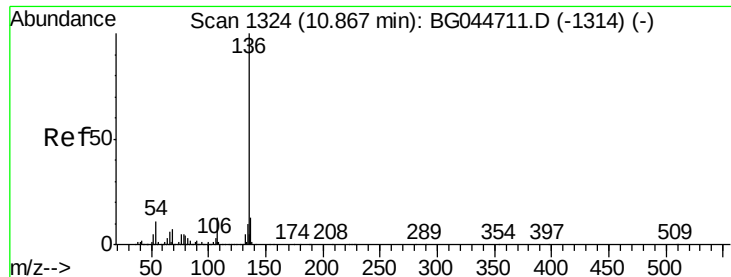
101 0.0 6.5 9.7#

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

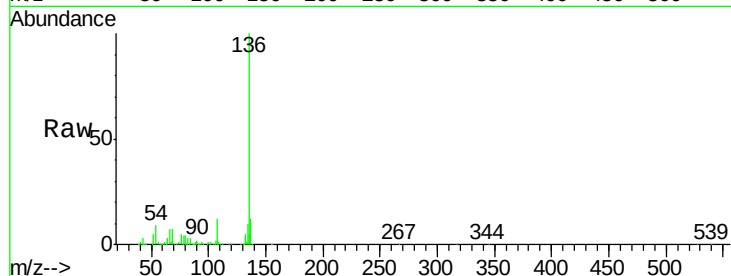




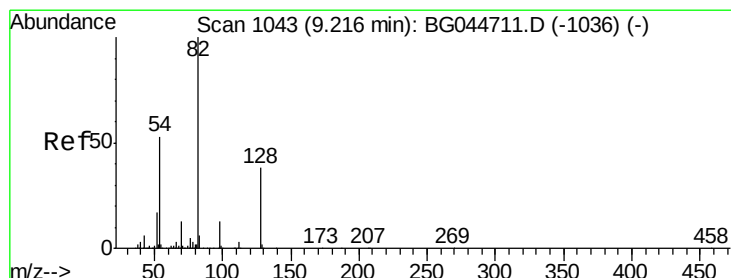
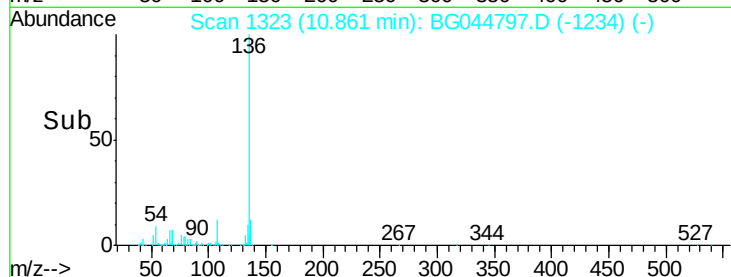
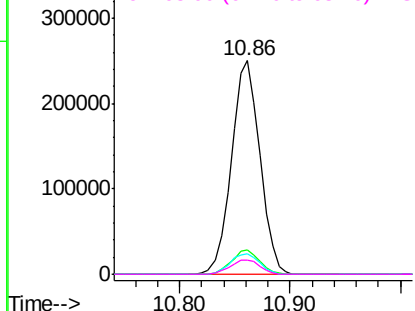
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044797.D
Acq: 14 Mar 2020 13:45

Instrument :
BNA_G
ClientSampleId :
TP-6-SA

Tgt Ion:	136	Resp:	450978
Ion	Ratio	Lower	Upper
136	100		
137	11.7	10.7	16.1
54	9.4	9.0	13.4
68	6.6	5.9	8.9

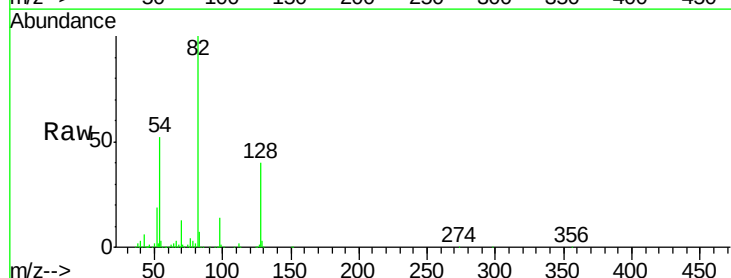


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

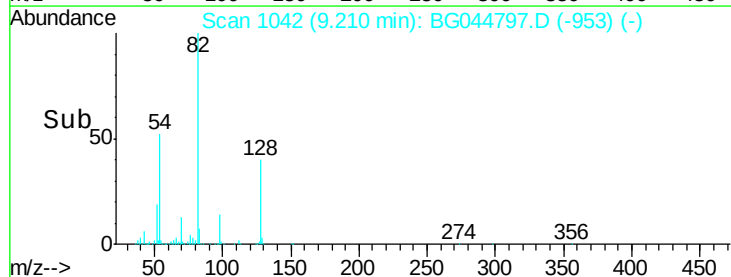
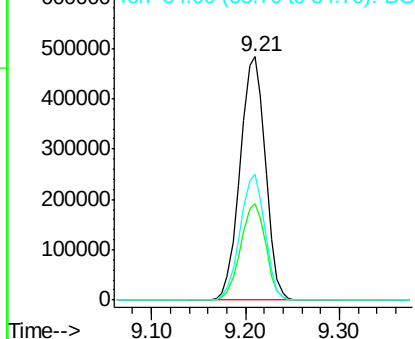


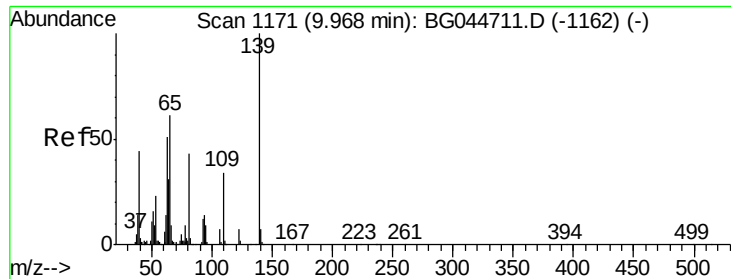
#23
Nitrobenzene-d5
Concen: 87.74 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044797.D
Acq: 14 Mar 2020 13:45

Tgt Ion:	82	Resp:	901703
Ion	Ratio	Lower	Upper
82	100		
128	39.5	30.2	45.2
54	51.9	41.8	62.8



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

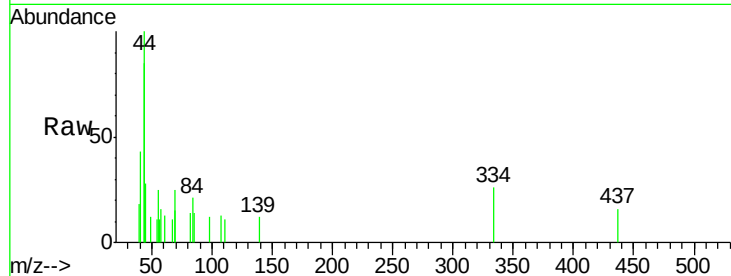




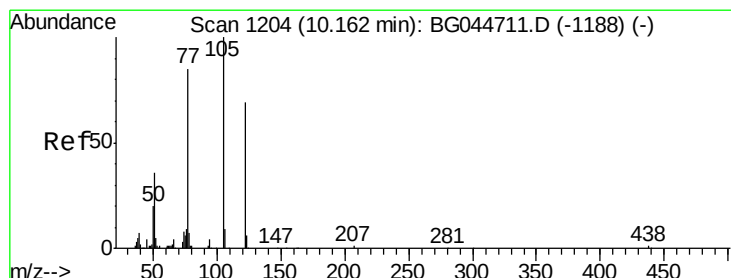
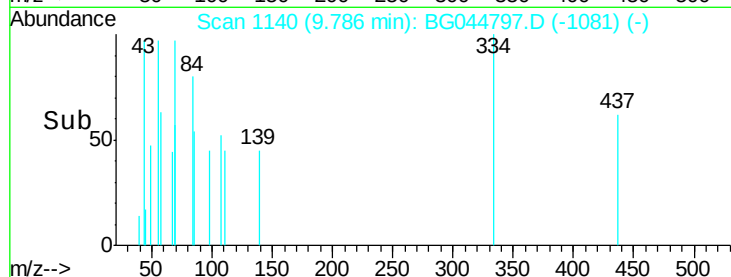
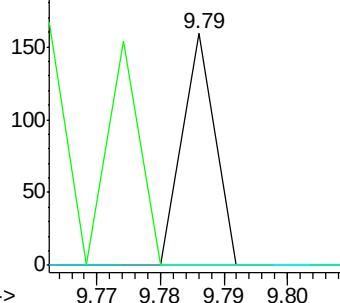
#26
 2-Nitrophenol
 Concen: 5.53 ng
 RT: 9.79 min Scan# 1140
 Delta R.T. -0.18 min
 Lab File: BG044797.D
 Acq: 14 Mar 2020 13:45

Instrument :
 BNA_G
 ClientSampleId :
 TP-6-SA

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

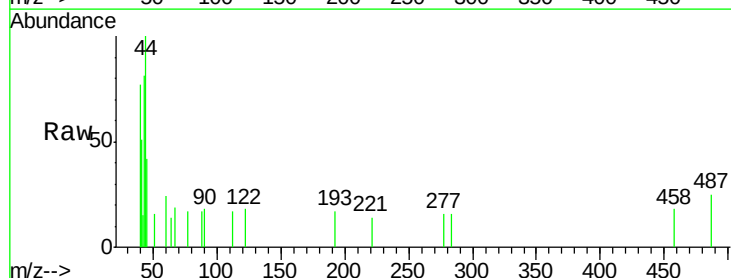


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BGC

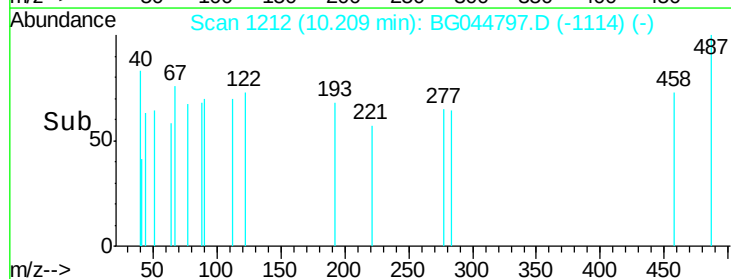
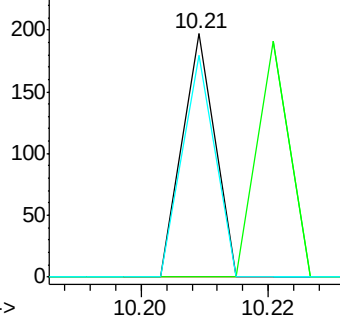


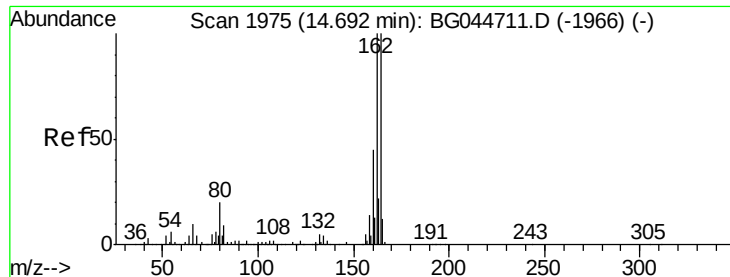
#32
 Benzoic acid
 Concen: 9.68 ng
 RT: 10.21 min Scan# 1212
 Delta R.T. 0.05 min
 Lab File: BG044797.D
 Acq: 14 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	119.0	159.0#
77	91.4	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

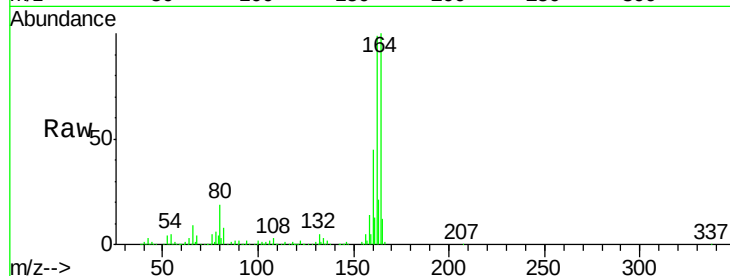




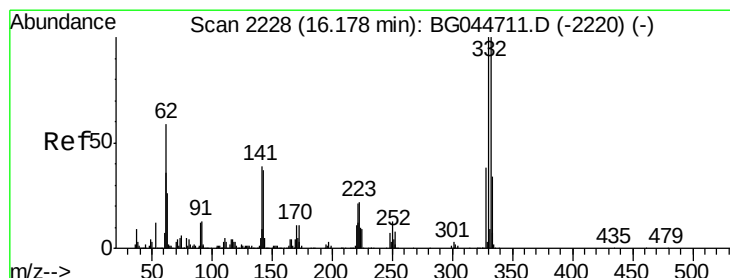
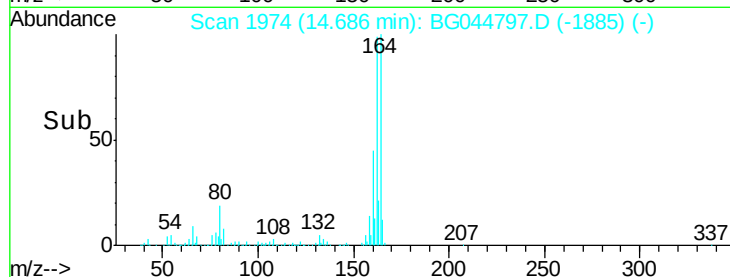
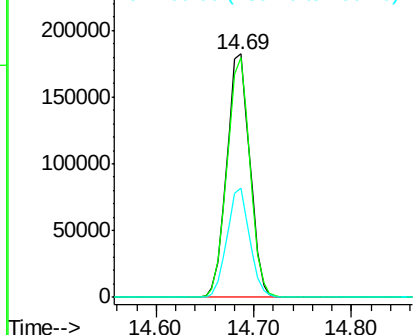
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG044797.D
Acq: 14 Mar 2020 13:45

Instrument :
BNA_G
ClientSampleId :
TP-6-SA

Tgt Ion:164 Resp: 299813
Ion Ratio Lower Upper
164 100
162 98.6 80.2 120.4
160 44.6 36.2 54.2

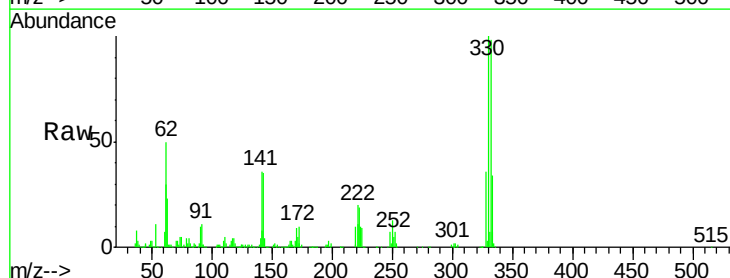


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

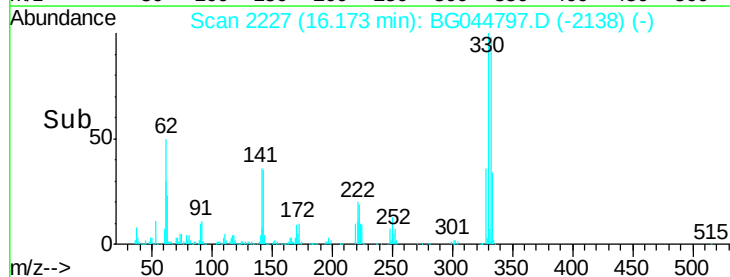
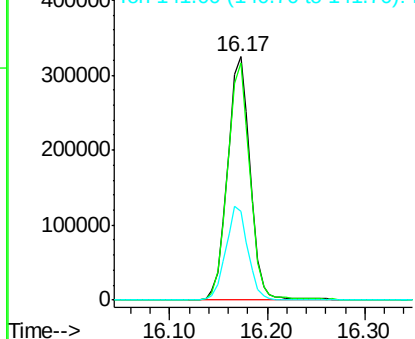


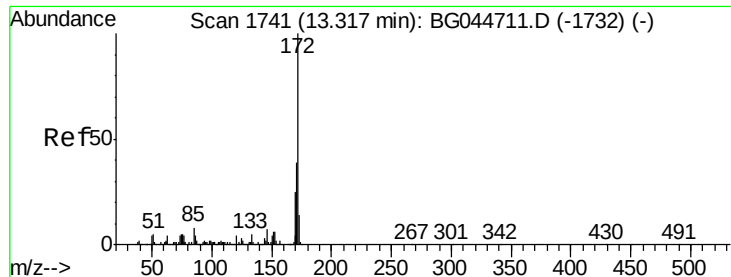
#42
2,4,6-Tribromophenol
Concen: 132.43 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG044797.D
Acq: 14 Mar 2020 13:45

Tgt Ion:330 Resp: 519873
Ion Ratio Lower Upper
330 100
332 96.8 77.5 116.3
141 37.9 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: 85.49 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG044797.D

Acq: 14 Mar 2020 13:45

Instrument :

BNA_G

ClientSampleId :

TP-6-SA

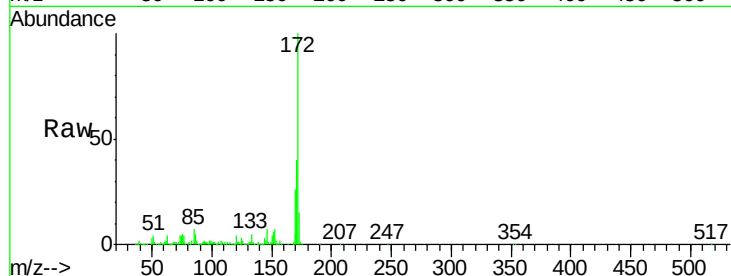
Tgt Ion:172 Resp: 1789760

Ion Ratio Lower Upper

172 100

171 39.8 30.8 46.2

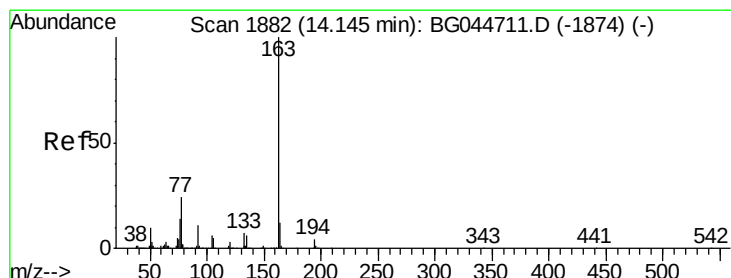
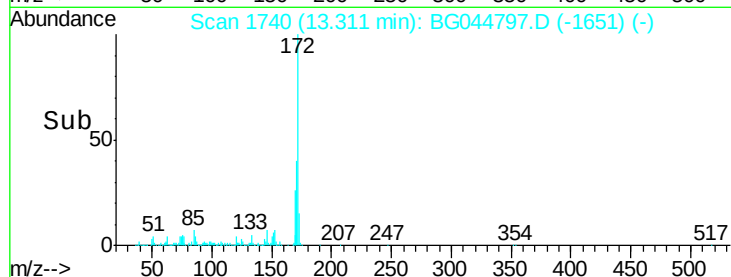
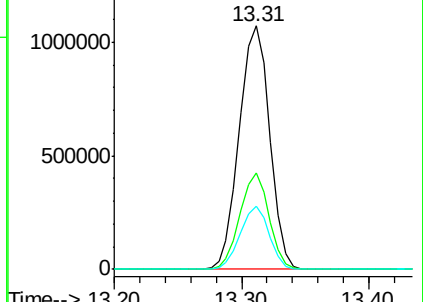
170 26.1 20.0 30.0



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



#50

Dimethylphthalate

Concen: 4.40 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BG044797.D

Acq: 14 Mar 2020 13:45

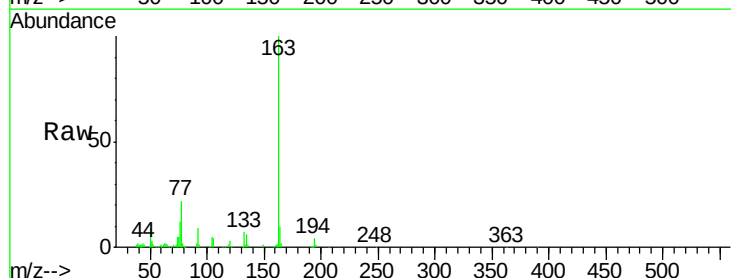
Tgt Ion:163 Resp: 104966

Ion Ratio Lower Upper

163 100

194 3.7 3.5 5.3

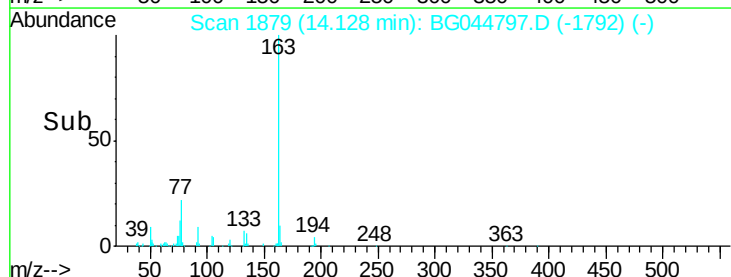
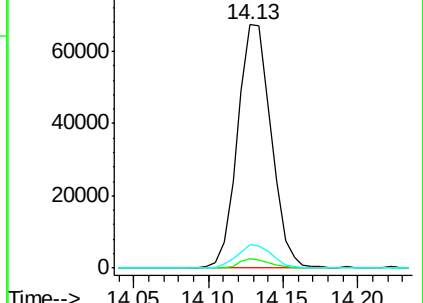
164 9.9 9.2 13.8

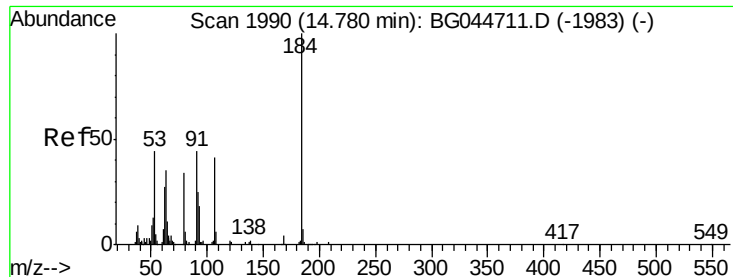


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

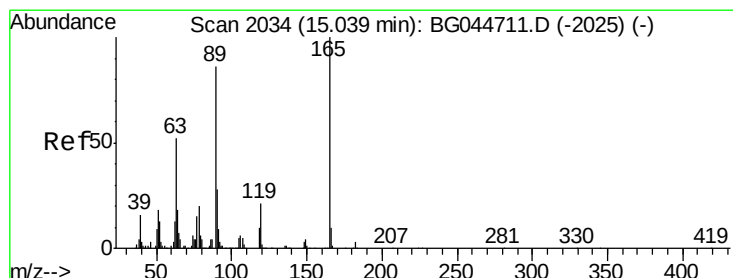
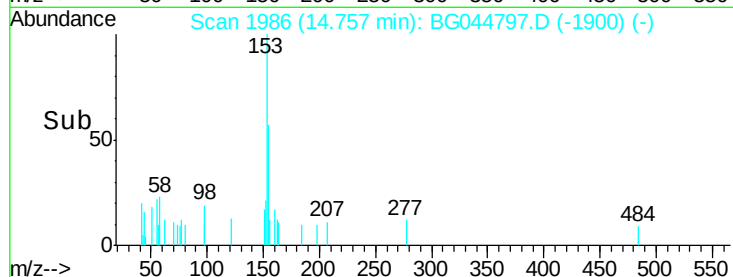
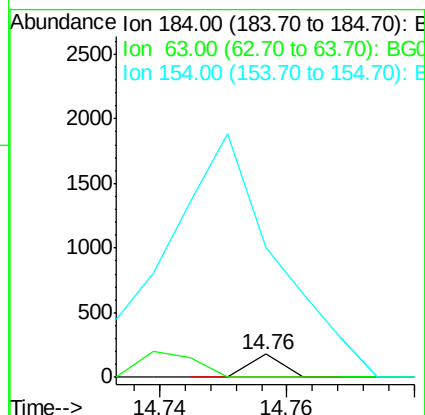
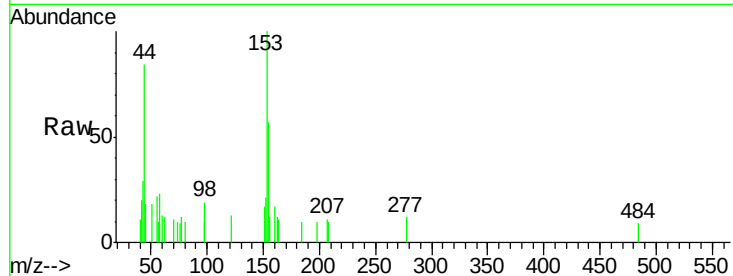




#54
2,4-Dinitrophenol
Concen: 8.35 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.02 min
Lab File: BG044797.D
Acq: 14 Mar 2020 13:45

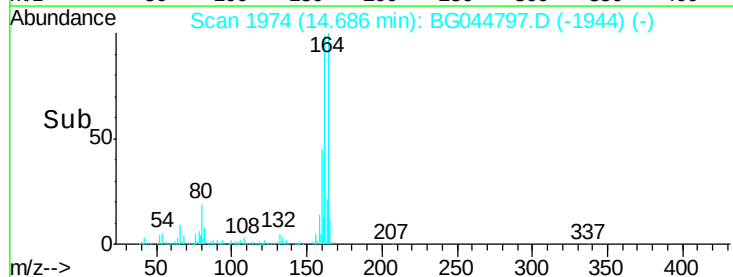
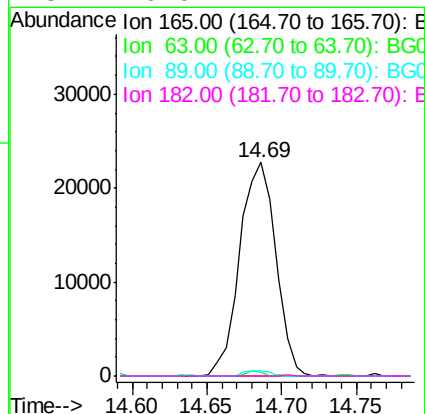
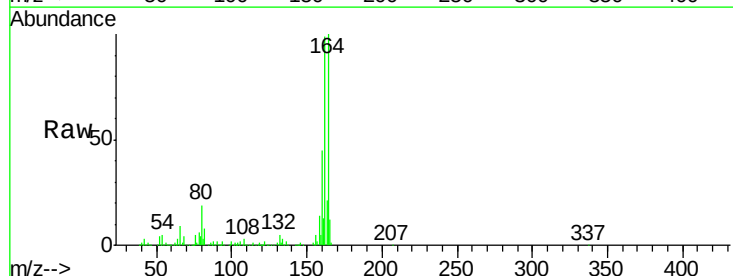
Instrument :
BNA_G
ClientSampleId :
TP-6-SA

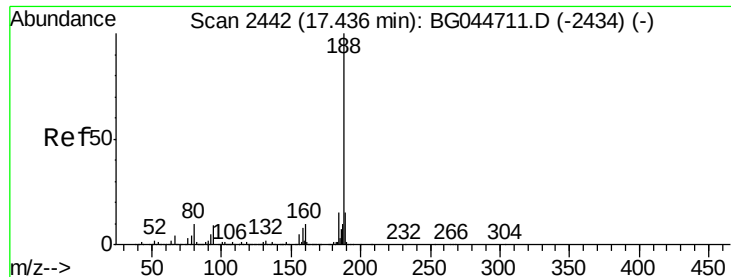
Tgt Ion:184 Resp: 63
Ion Ratio Lower Upper
184 100
63 0.0 49.0 73.6#
154 560.9 94.5 141.7#



#57
2,4-Dinitrotoluene
Concen: 5.77 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044797.D
Acq: 14 Mar 2020 13:45

Tgt Ion:165 Resp: 38092
Ion Ratio Lower Upper
165 100
63 2.0 41.5 62.3#
89 2.2 69.0 103.4#
182 0.0 2.7 4.1#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG044797.D

Acq: 14 Mar 2020 13:45

Instrument :

BNA_G

ClientSampleId :

TP-6-SA

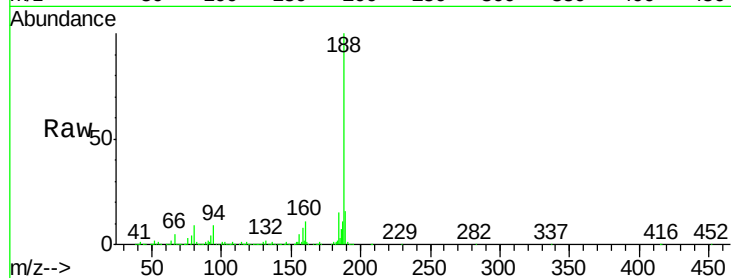
Tgt Ion:188 Resp: 608729

Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.6

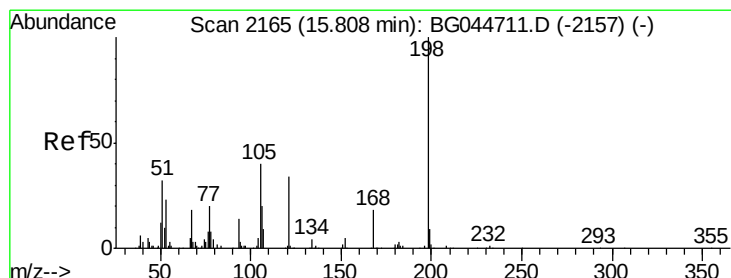
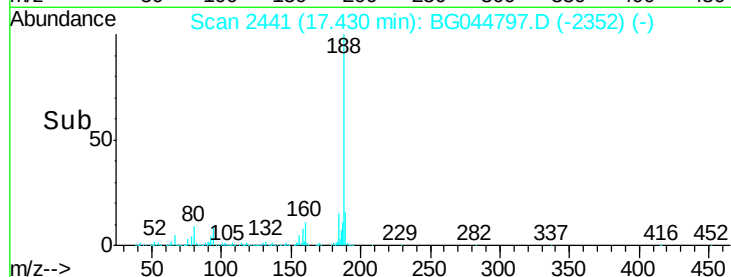
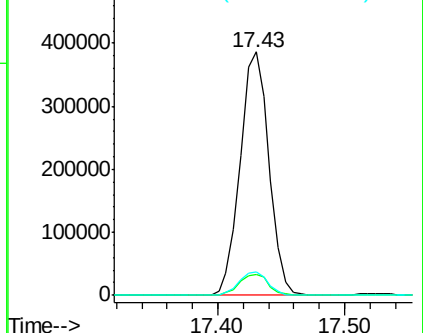
80 9.4 8.4 12.6



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: 16.04 min Scan# 2205

Delta R.T. 0.24 min

Lab File: BG044797.D

Acq: 14 Mar 2020 13:45

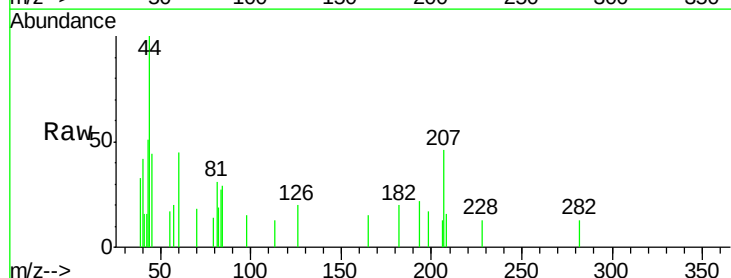
Tgt Ion:198 Resp: 71

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

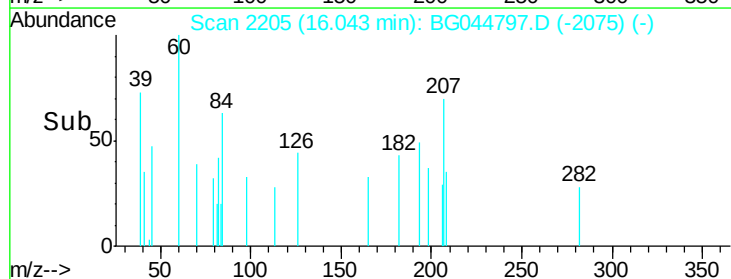
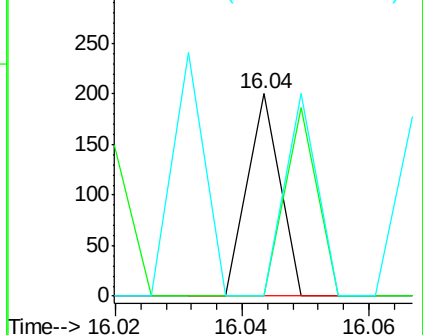
105 0.0 21.3 61.3#

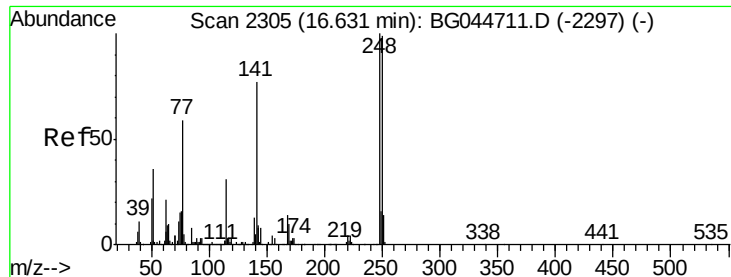


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

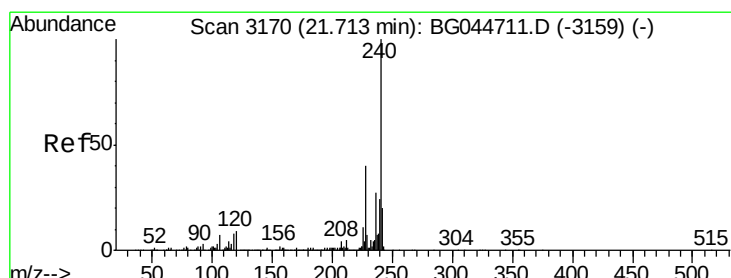
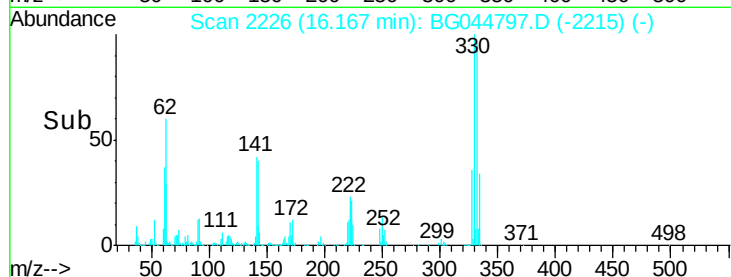
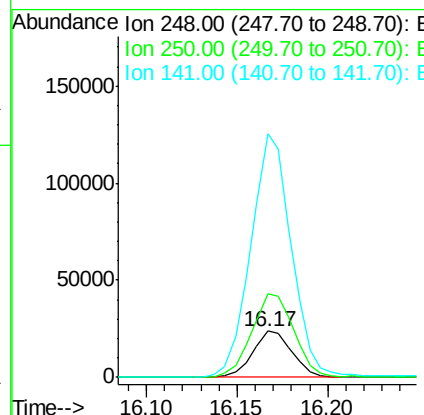
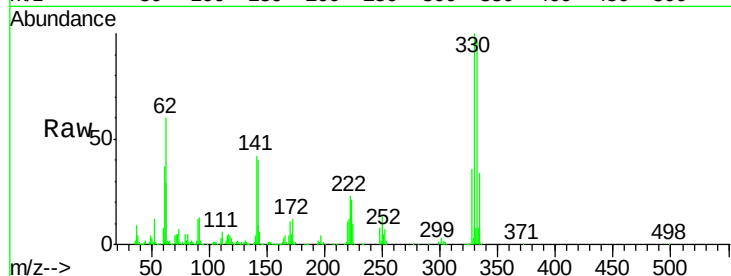




#67
 4-Bromophenyl-phenylether
 Concen: 4.71 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG044797.D
 Acq: 14 Mar 2020 13:45

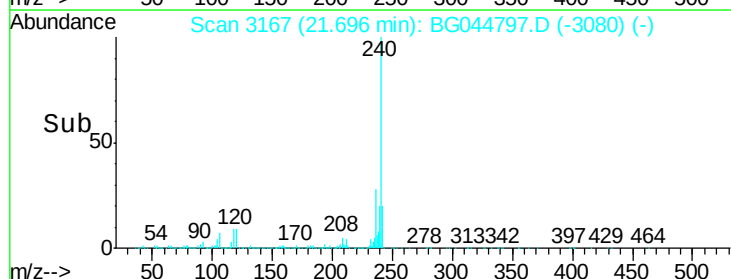
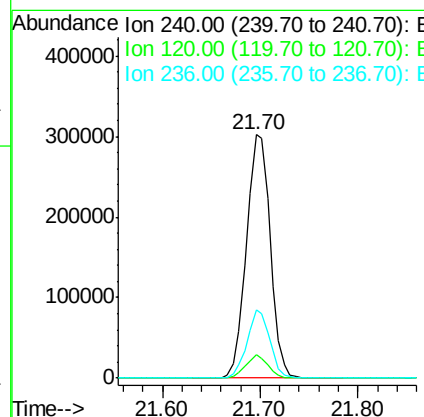
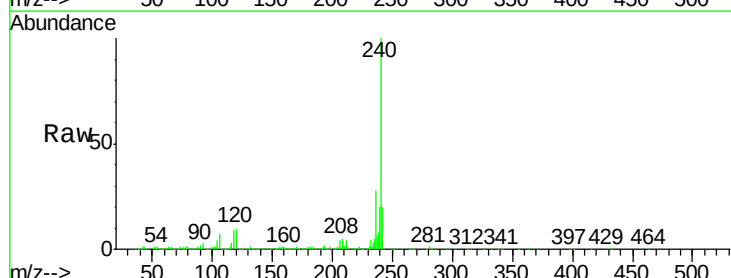
Instrument :
 BNA_G
 ClientSampleId :
 TP-6-SA

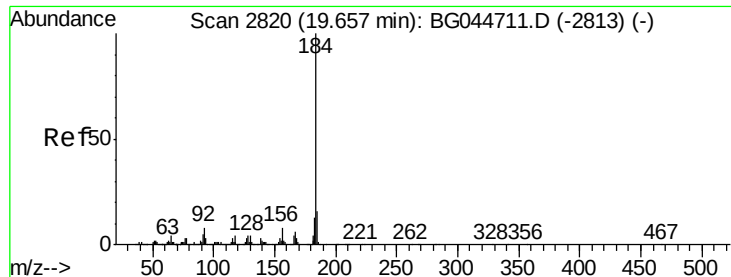
Tgt Ion:248 Resp: 35828
 Ion Ratio Lower Upper
 248 100
 250 181.0 79.4 119.0#
 141 525.3 61.7 92.5#



#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.02 min
 Lab File: BG044797.D
 Acq: 14 Mar 2020 13:45

Tgt Ion:240 Resp: 515179
 Ion Ratio Lower Upper
 240 100
 120 9.6 6.9 10.3
 236 27.8 21.9 32.9





#77

Benzidine

Concen: 2.94 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044797.D

Acq: 14 Mar 2020 13:45

Instrument :

BNA_G

ClientSampleId :

TP-6-SA

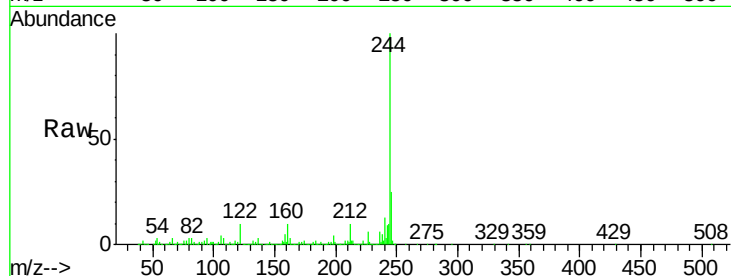
Tgt Ion:184 Resp: 49158

Ion Ratio Lower Upper

184 100

185 18.8 12.9 19.3

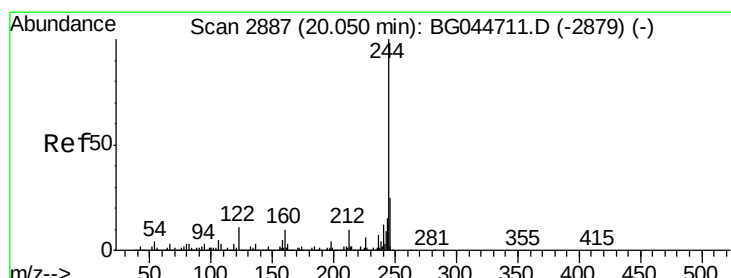
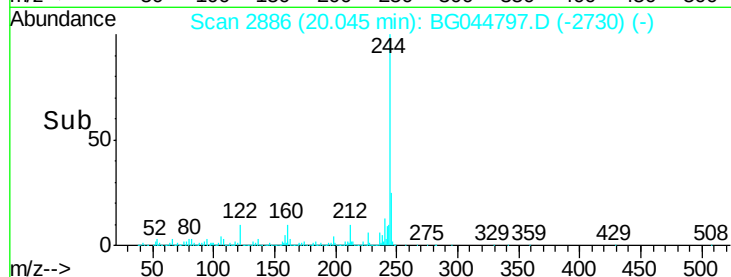
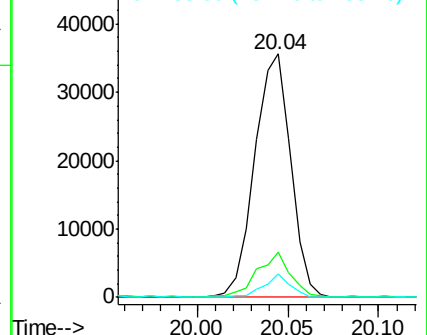
183 9.6 10.6 15.8#



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: 89.90 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044797.D

Acq: 14 Mar 2020 13:45

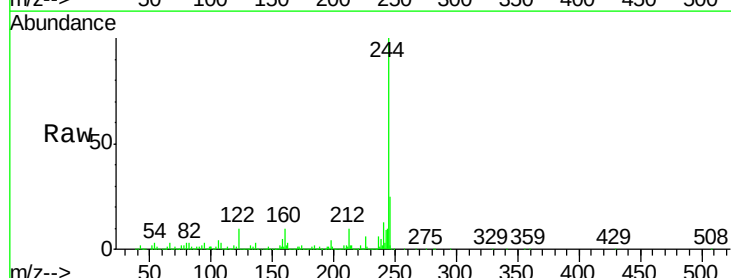
Tgt Ion:244 Resp: 2476087

Ion Ratio Lower Upper

244 100

212 10.4 8.4 12.6

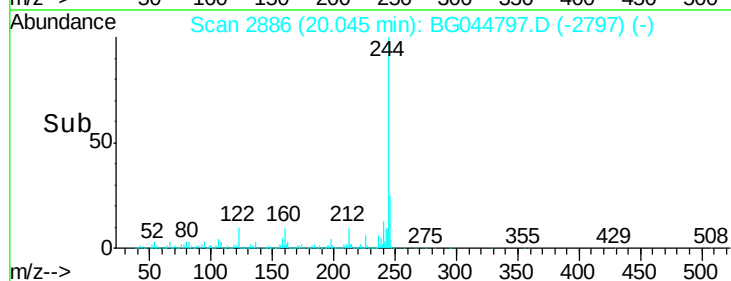
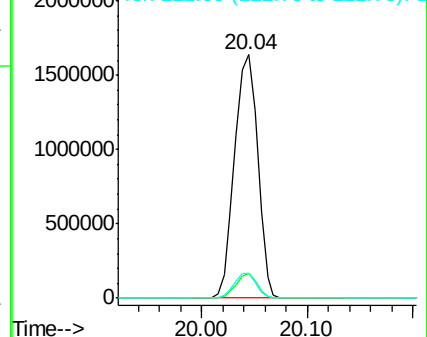
122 10.3 8.7 13.1

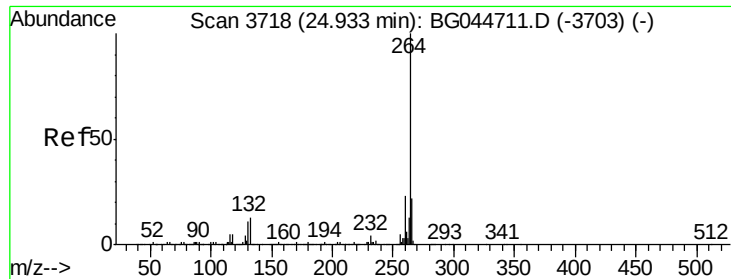


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.00 ng
RT: 24.92 min Scan# 3715
Delta R.T. -0.02 min
Lab File: BG044797.D
Acq: 14 Mar 2020 13:45

Instrument :
BNA_G
ClientSampleId :
TP-6-SA

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.4	27.6
265	21.2	17.4	26.2

