

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
 Data File : BG041661.D
 Acq On : 16 Jul 2019 10:24
 Operator : HP/JU
 Sample : PB121341TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 17 01:36:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	102014	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	448585	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	291313	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	711786	20.00	ng	0.00
76) Chrysene-d12	21.65	240	563169	20.00	ng	-0.01
87) Perylene-d12	24.85	264	632042	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	833796	133.61	ng	0.00
7) Phenol-d6	7.20	99	1155581	137.68	ng	0.00
23) Nitrobenzene-d5	9.21	82	692112	93.83	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	465367	141.75	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1679981	89.30	ng	0.00
79) Terphenyl-d14	20.01	244	2305980	95.69	ng	0.00

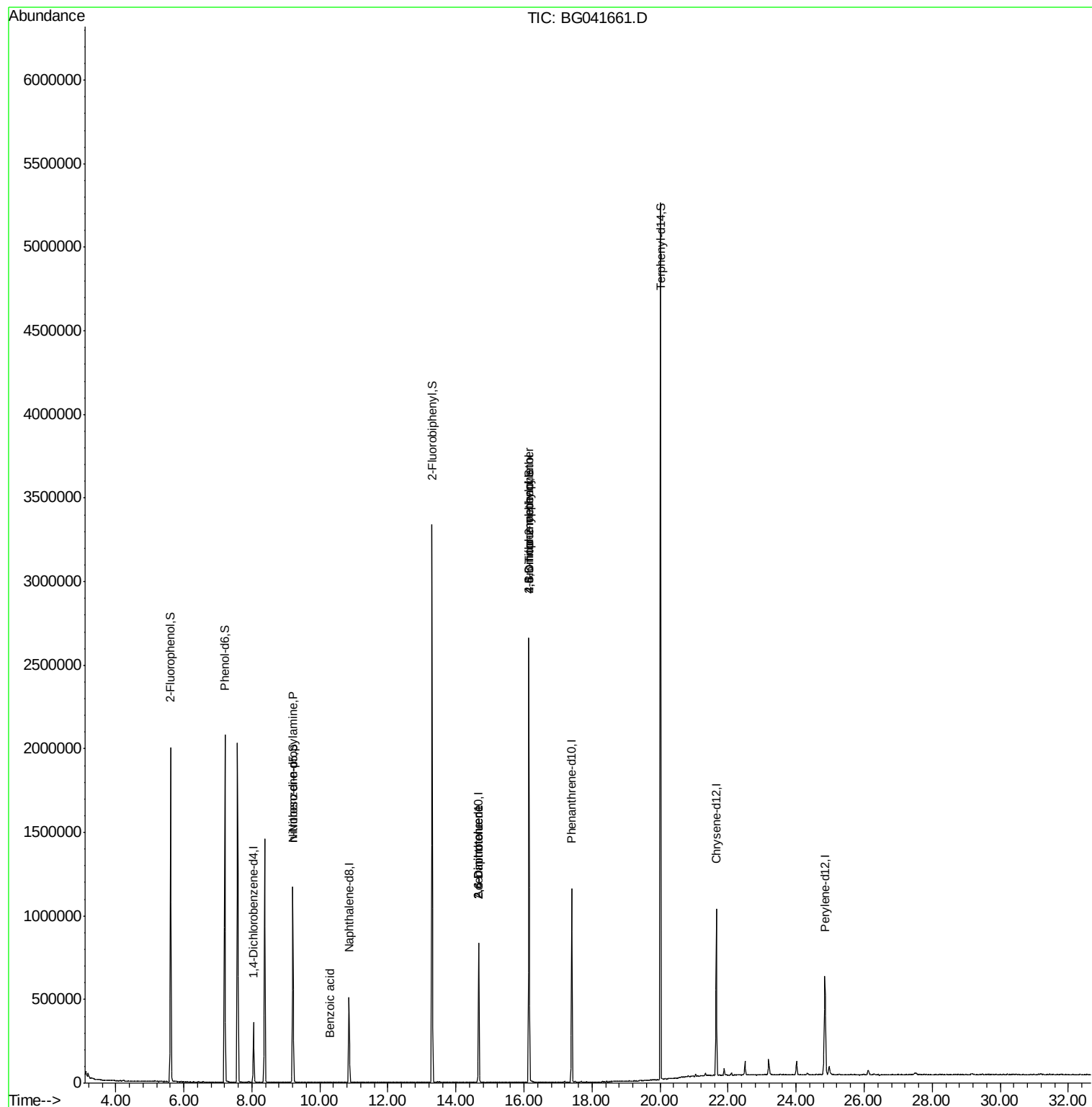
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1849	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	9.20	70	96136	15.670	ng	# 75
32) Benzoic acid	10.28	122	61	6.023	ng	# 1
51) 2,6-Dinitrotoluene	14.67	165	38316	7.895	ng	# 27
57) 2,4-Dinitrotoluene	14.67	165	38316	5.973	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.14	198	1535	7.065	ng	# 1
67) 4-Bromophenyl-phenylether	16.15	248	38005	4.487	ng	# 1

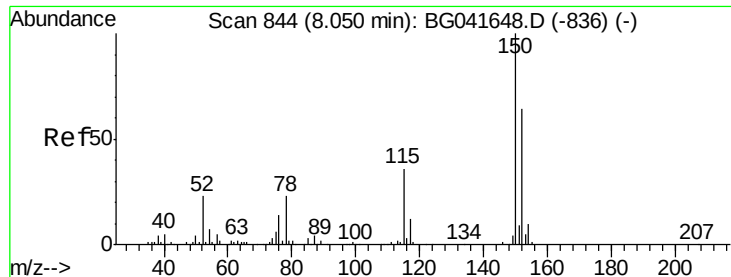
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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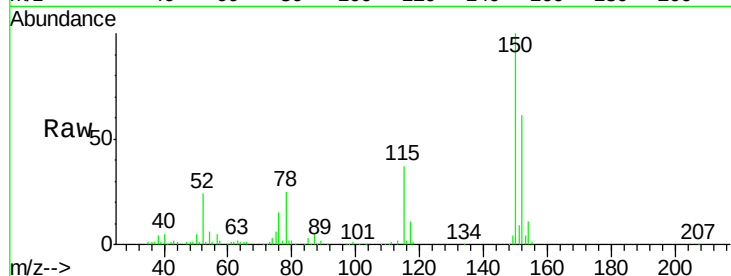


#1

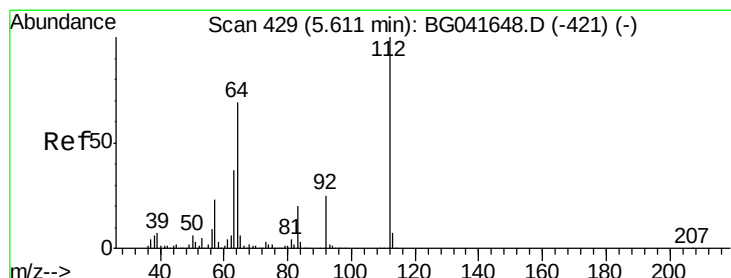
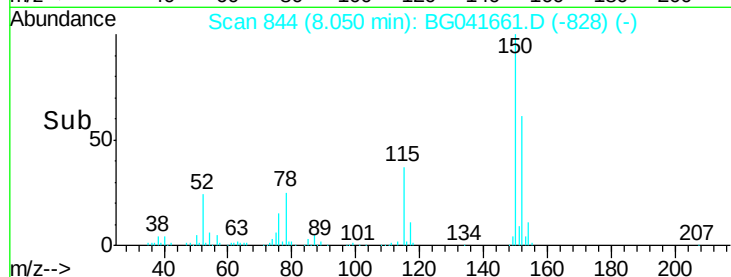
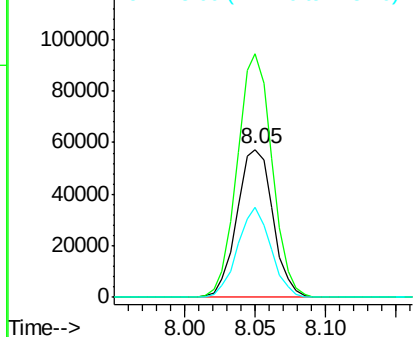
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG041661.D
Acq: 16 Jul 2019 10:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.6	126.9	190.3
115	61.1	45.0	67.6



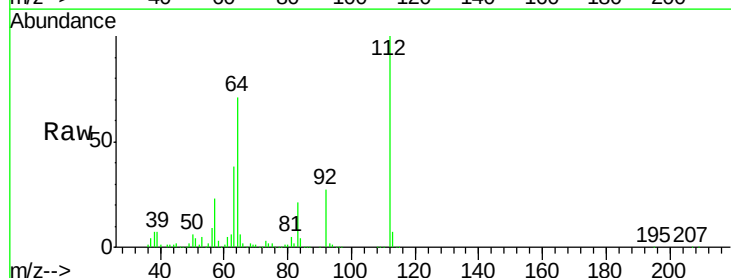
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



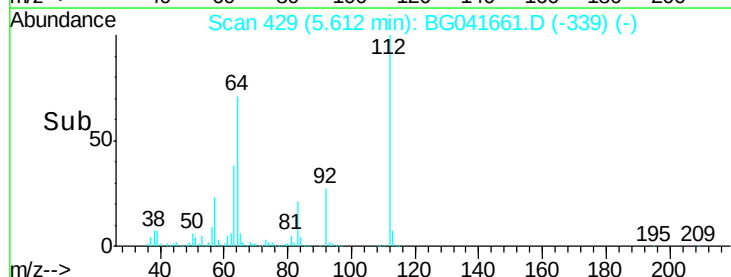
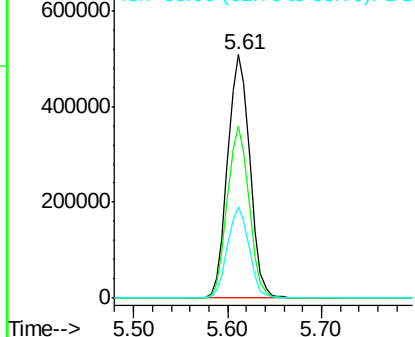
#5

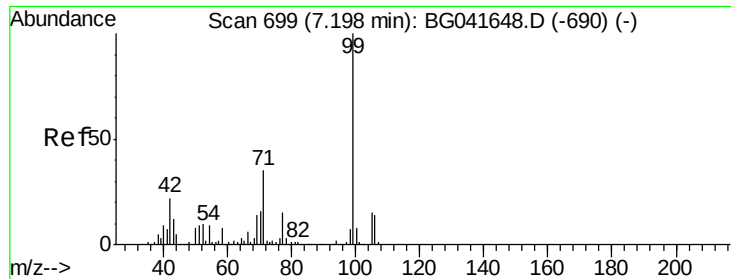
2-Fluorophenol
Concen: 133.614 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG041661.D
Acq: 16 Jul 2019 10:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.6	55.4	83.2
63	37.8	29.1	43.7



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: 137.675 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG041661.D

Acq: 16 Jul 2019 10:24

Instrument :

BNA_G

ClientSampleId :

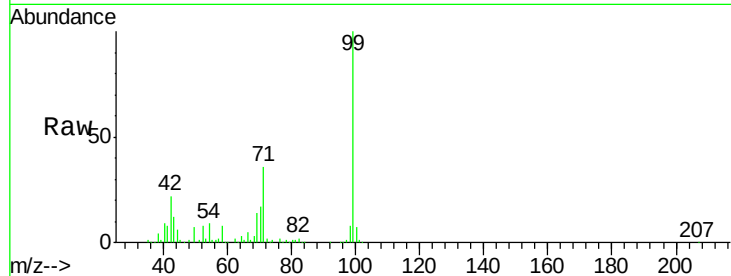
Tot Ion: 99 Resp: 115581

Ion Ratio Lower Upper

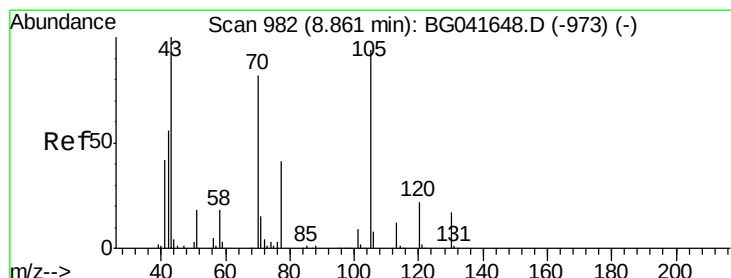
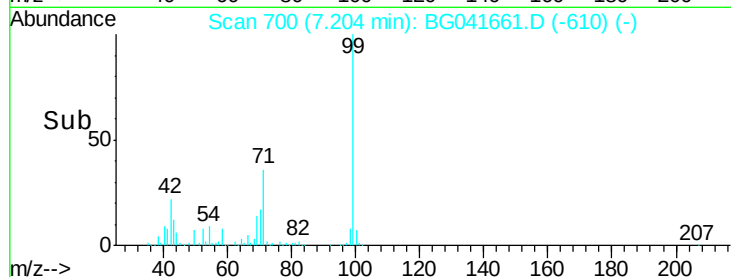
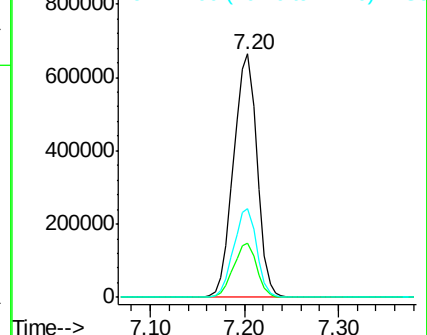
99 100

42 22.3 17.6 26.4

71 36.3 27.8 41.6



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: 15.670 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG041661.D

Acq: 16 Jul 2019 10:24

Tgt Ion: 70 Resp: 96136

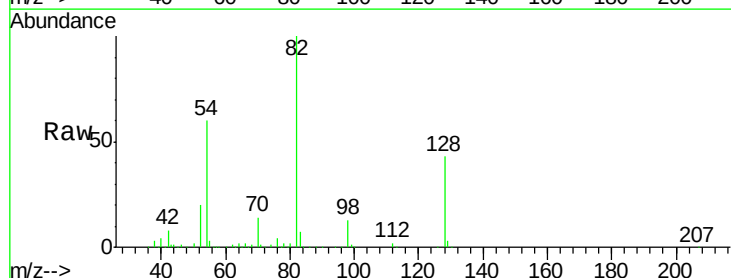
Ion Ratio Lower Upper

70 100

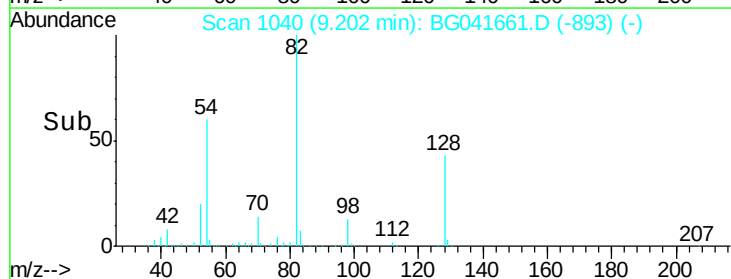
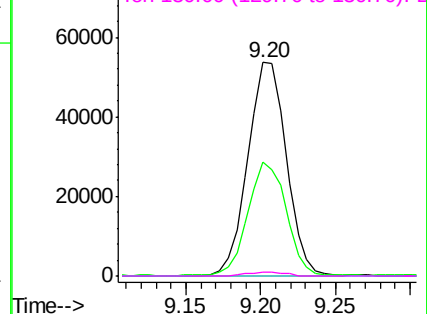
42 53.2 55.8 83.6#

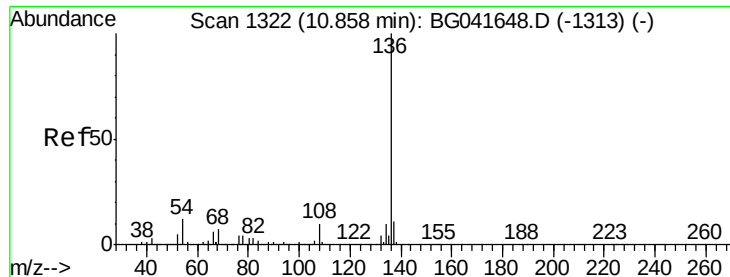
101 0.0 8.1 12.1#

130 1.8 17.3 25.9#



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

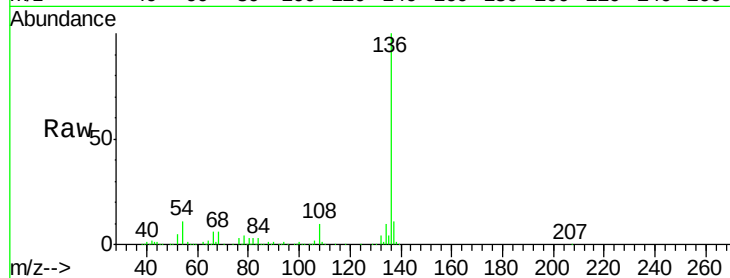




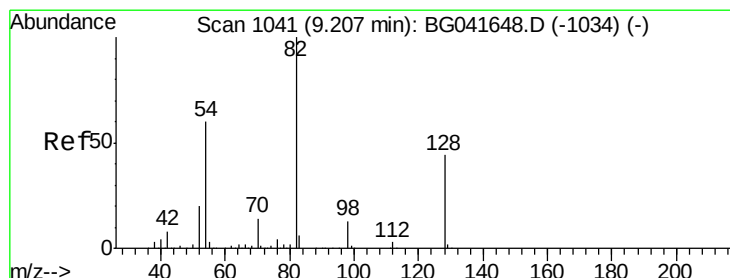
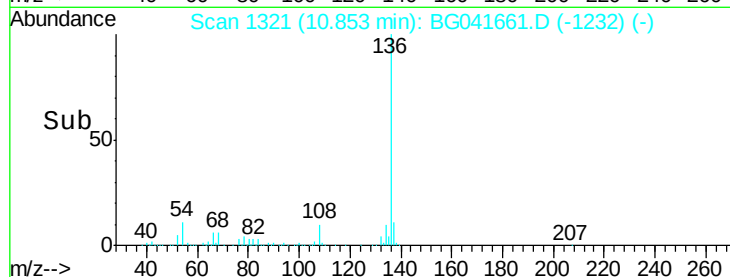
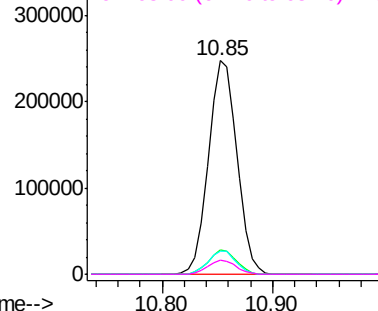
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BG041661.D
Acq: 16 Jul 2019 10:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 448585
Ion Ratio	Lower Upper
136 100	
137 11.3	9.2 13.8
54 10.8	8.7 13.1
68 6.4	5.5 8.3

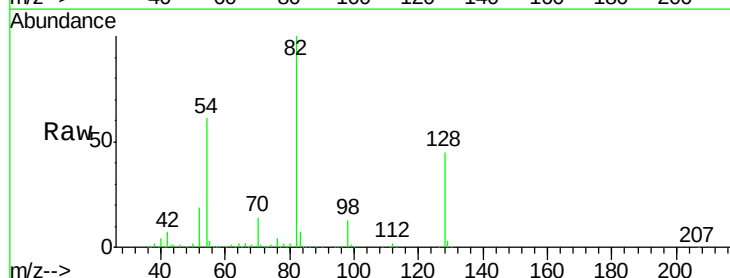


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

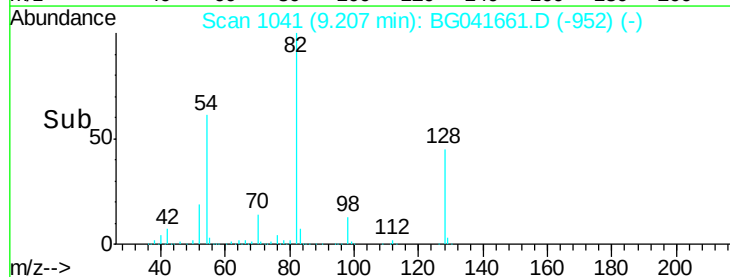
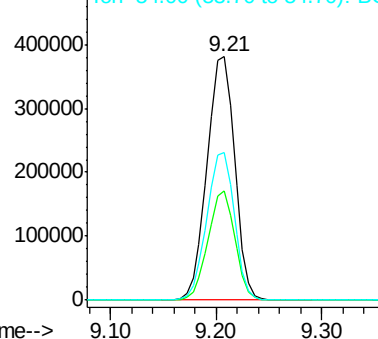


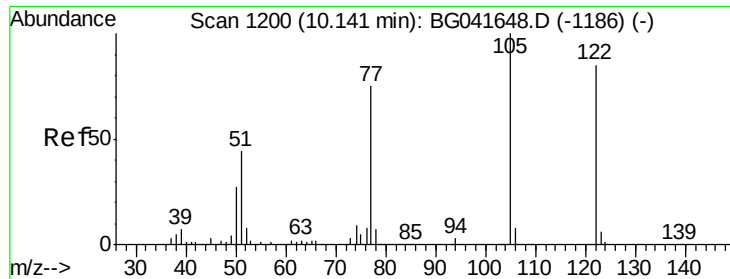
#23
Nitrobenzene-d5
Concen: 93.830 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG041661.D
Acq: 16 Jul 2019 10:24

Tgt Ion: 82	Resp: 692112
Ion Ratio	Lower Upper
82 100	
128 44.8	35.1 52.7
54 60.7	48.7 73.1



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

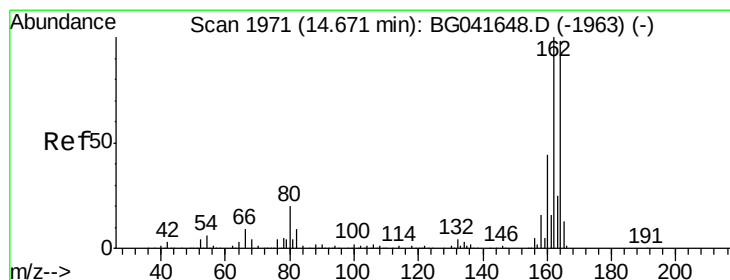
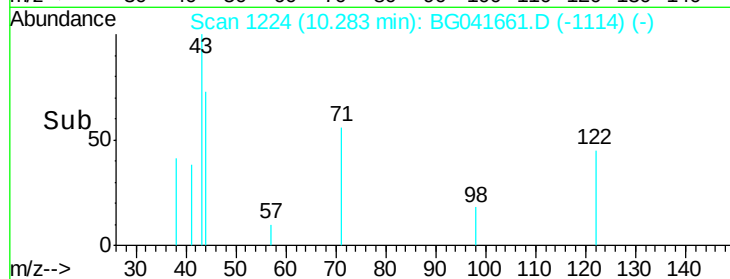
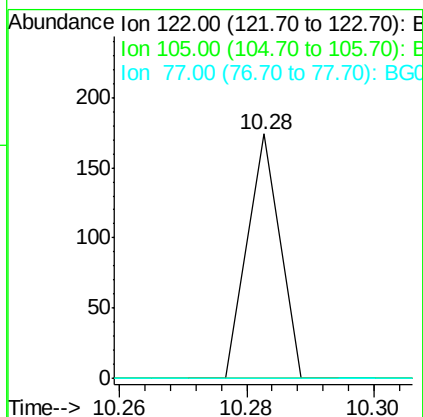
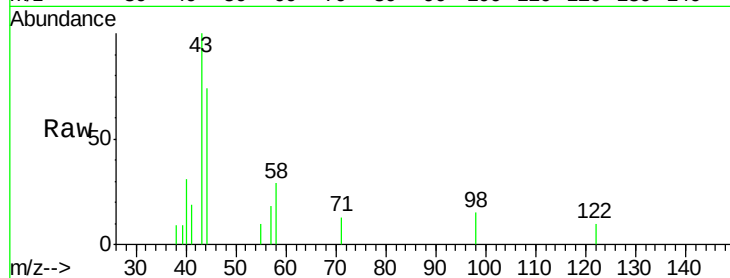




#32
Benzoic acid
Concen: 6.023 ng
RT: 10.28 min Scan# 1224
Delta R.T. 0.11 min
Lab File: BG041661.D
Acq: 16 Jul 2019 10:24

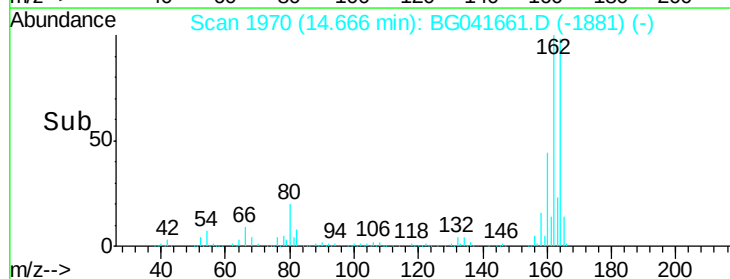
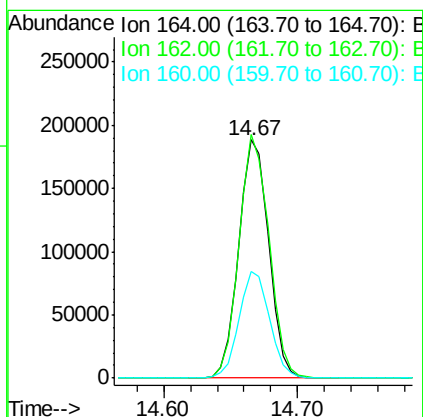
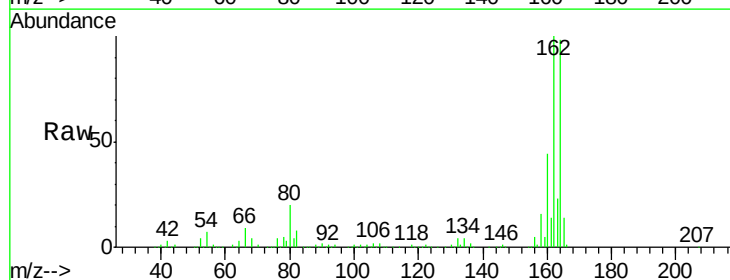
Instrument :
BNA_G
ClientSampled :

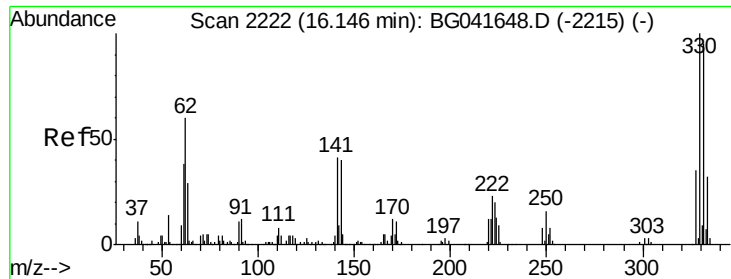
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.5	141.5#
77	0.0	73.0	113.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG041661.D
Acq: 16 Jul 2019 10:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	79.6	119.4
160	44.8	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 141.748 ng

RT: 16.15 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG041661.D

Acq: 16 Jul 2019 10:24

Instrument :

BNA_G

ClientSampleId :

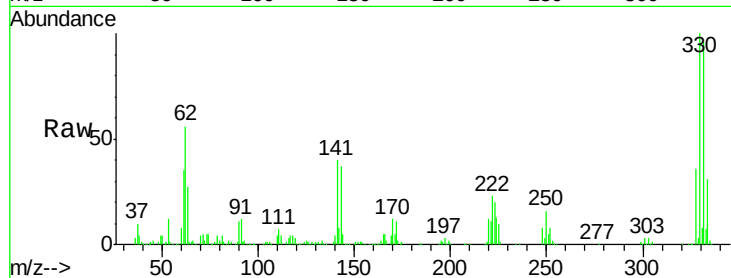
Tot Ion:330 Resp: 465367

Ion Ratio Lower Upper

330 100

332 95.2 77.4 116.0

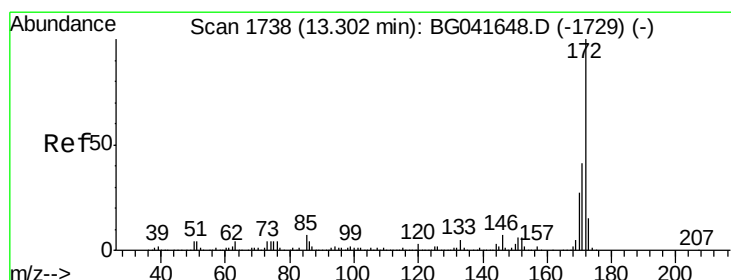
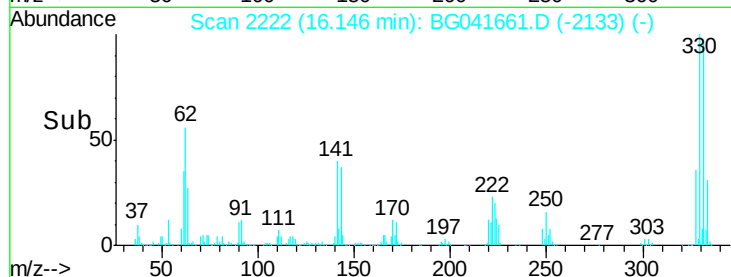
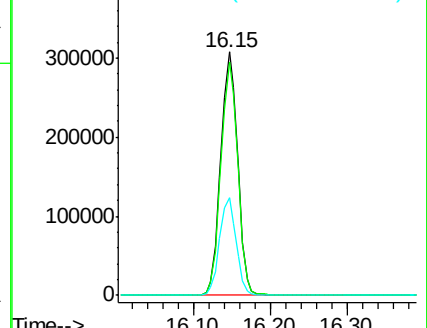
141 39.4 31.9 47.9



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: 89.301 ng

RT: 13.30 min Scan# 1737

Delta R.T. -0.00 min

Lab File: BG041661.D

Acq: 16 Jul 2019 10:24

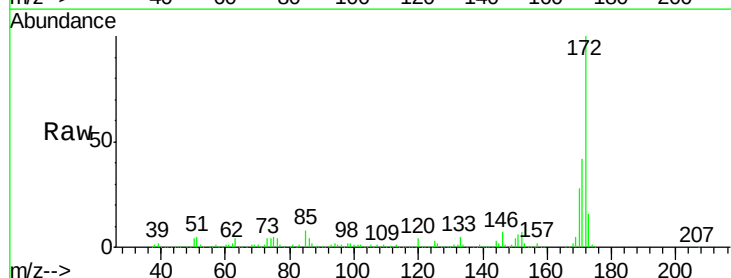
Tgt Ion:172 Resp: 1679981

Ion Ratio Lower Upper

172 100

171 41.7 35.0 52.4

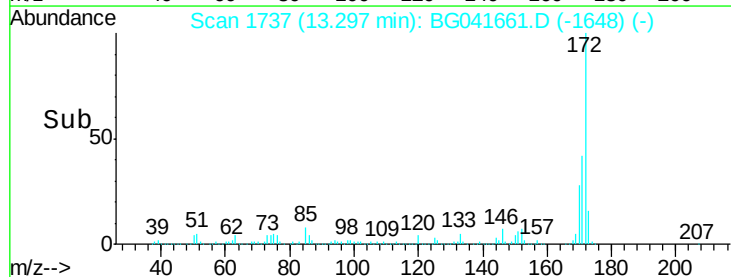
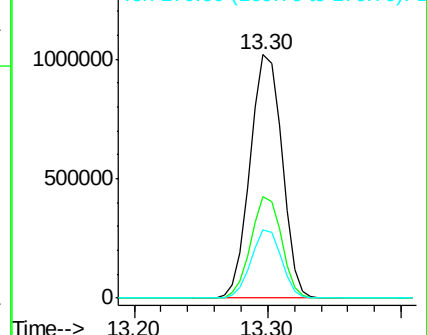
170 28.0 23.5 35.3

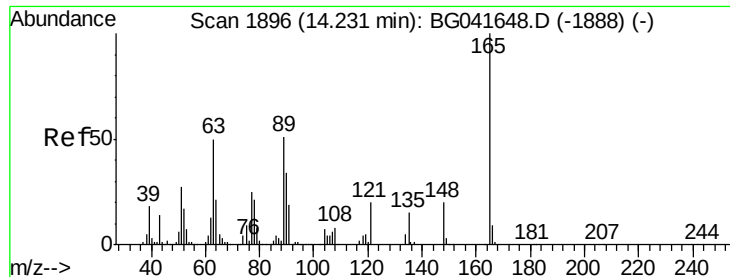


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

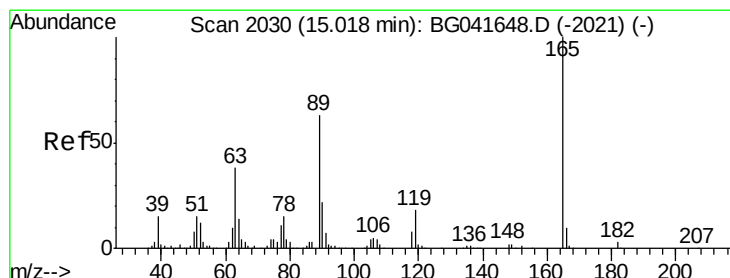
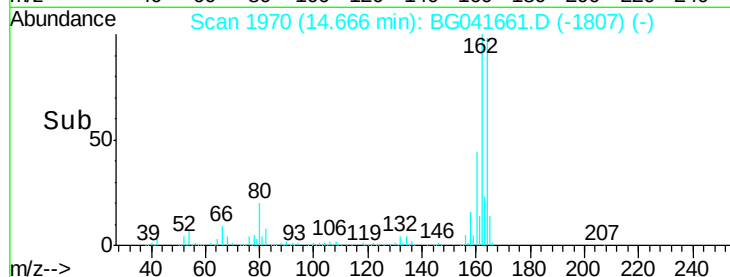
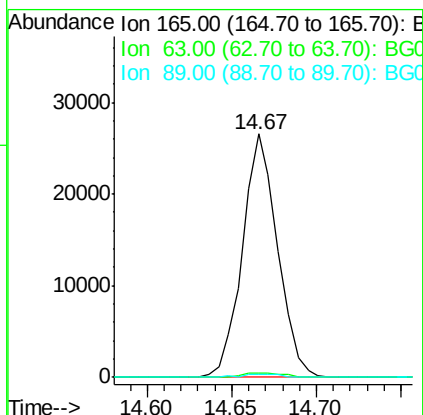
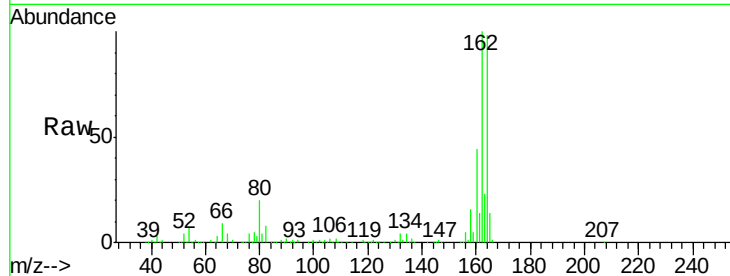




#51
 2,6-Dinitrotoluene
 Concen: 7.895 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG041661.D
 Acq: 16 Jul 2019 10:24

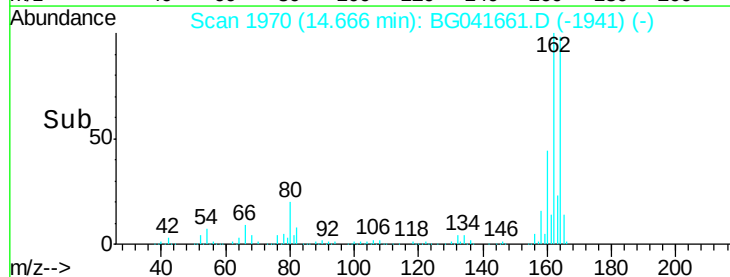
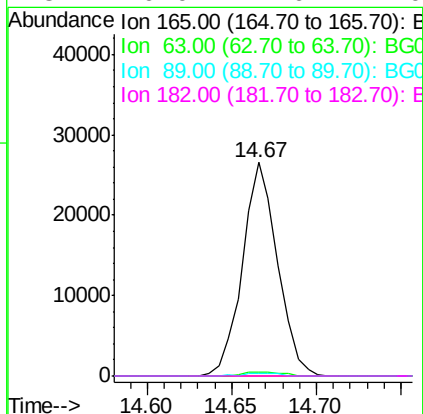
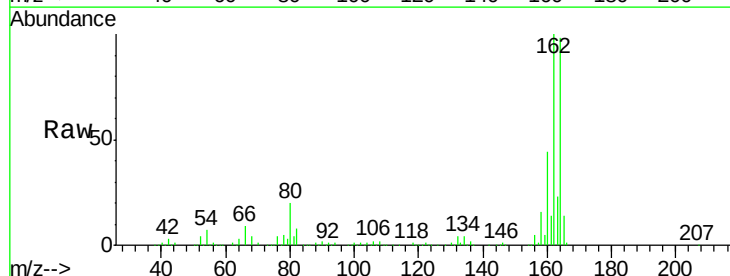
Instrument :
 BNA_G
 ClientSampleId :

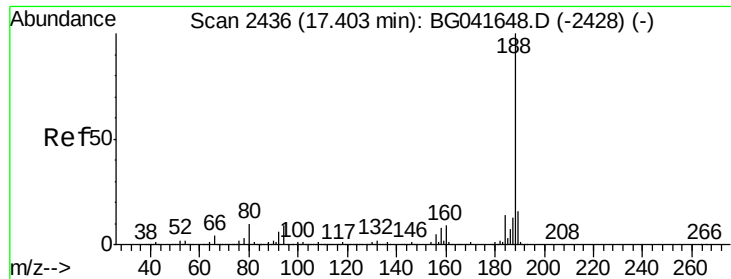
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	42.4	63.6#
89	1.0	42.1	63.1#



#57
 2,4-Dinitrotoluene
 Concen: 5.973 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG041661.D
 Acq: 16 Jul 2019 10:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	31.7	47.5#
89	1.0	50.2	75.4#
182	0.0	2.6	4.0#

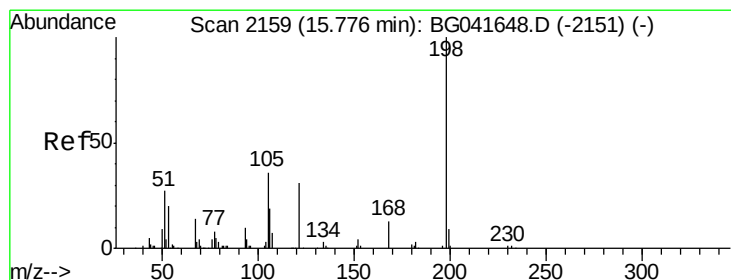
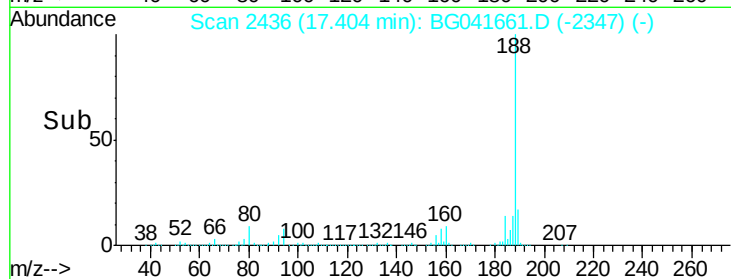
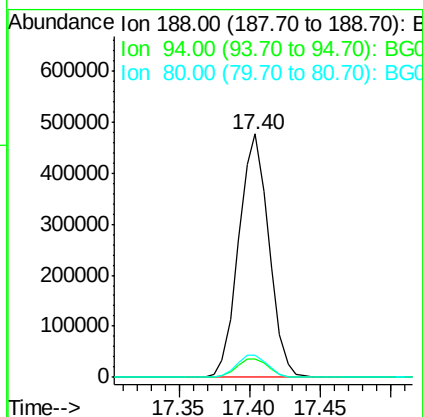
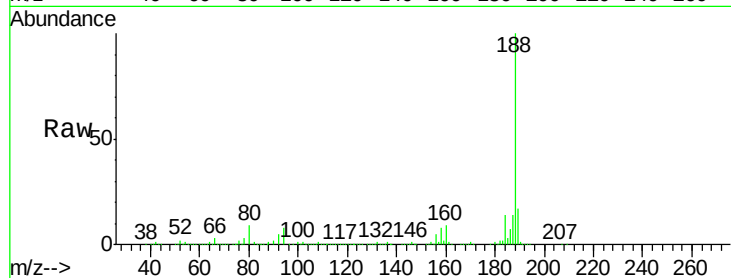




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2436
Delta R.T. -0.00 min
Lab File: BG041661.D
Acq: 16 Jul 2019 10:24

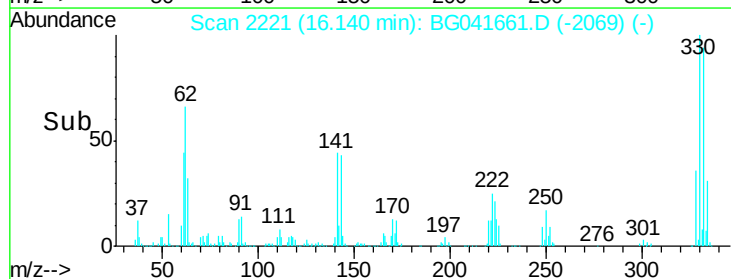
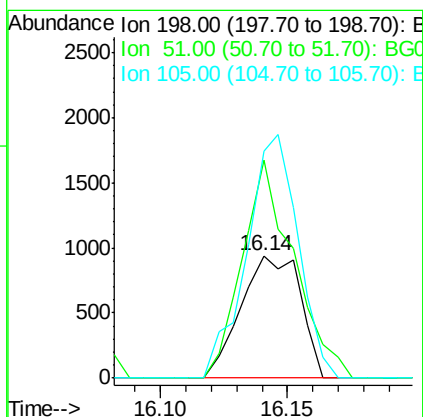
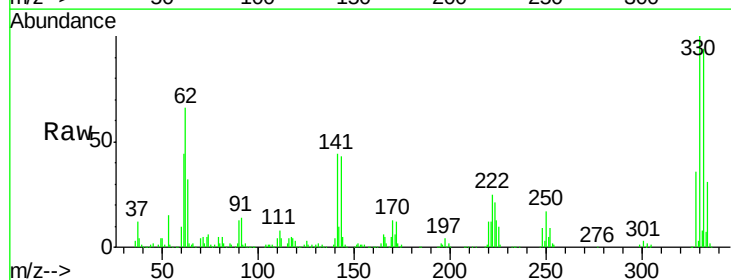
Instrument :
BNA_G
ClientSampleId :

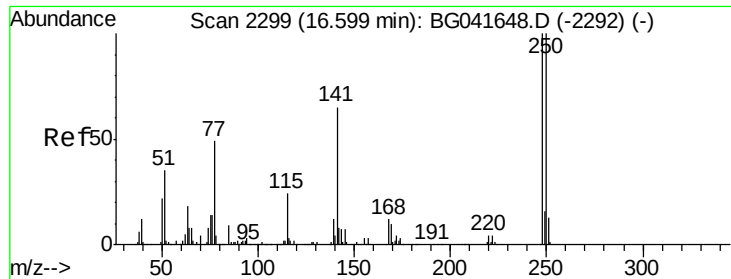
Tot Ion:188 Resp: 711786
Ion Ratio Lower Upper
188 100
94 7.8 6.9 10.3
80 9.2 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 7.065 ng
RT: 16.14 min Scan# 2221
Delta R.T. 0.36 min
Lab File: BG041661.D
Acq: 16 Jul 2019 10:24

Tgt Ion:198 Resp: 1535
Ion Ratio Lower Upper
198 100
51 178.3 22.3 62.3#
105 185.9 18.0 58.0#

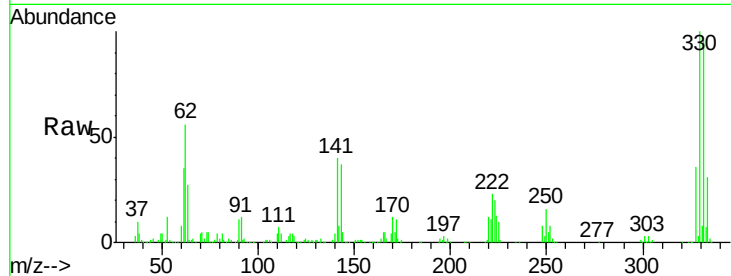




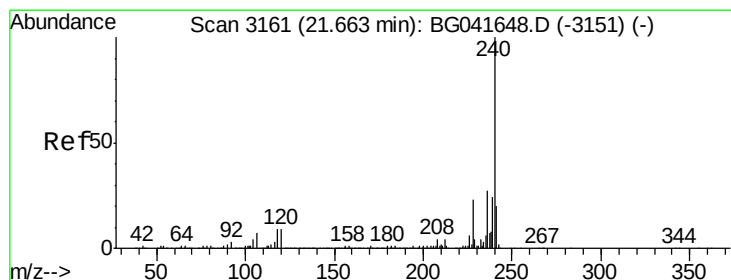
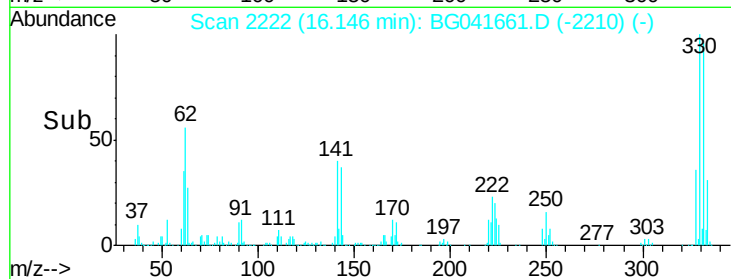
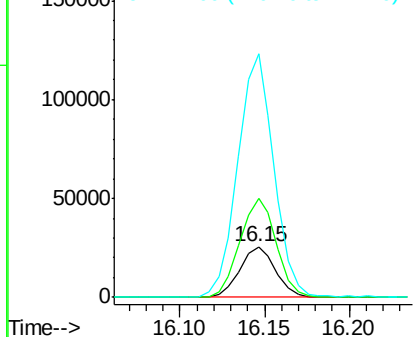
#67
 4-Bromophenyl-phenylether
 Concen: 4.487 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG041661.D
 Acq: 16 Jul 2019 10:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 38005
 Ion Ratio Lower Upper
 248 100
 250 194.3 78.1 117.1#
 141 478.5 49.6 74.4#

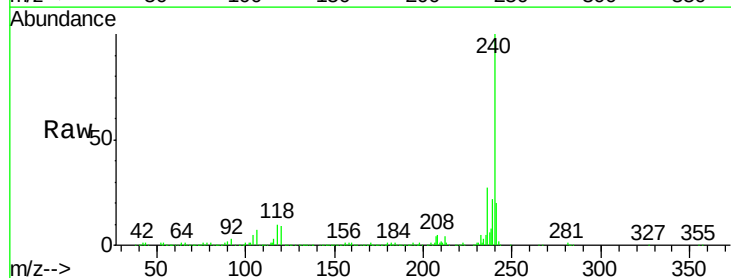


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

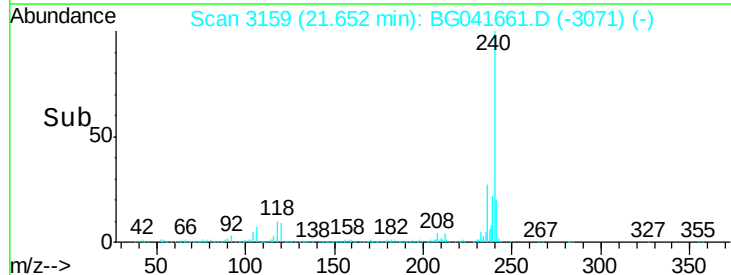
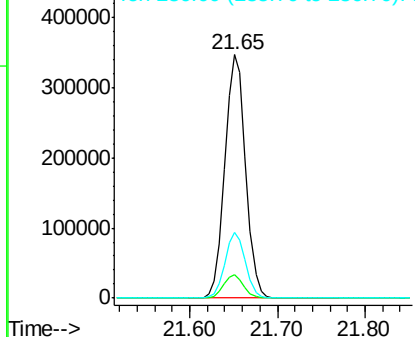


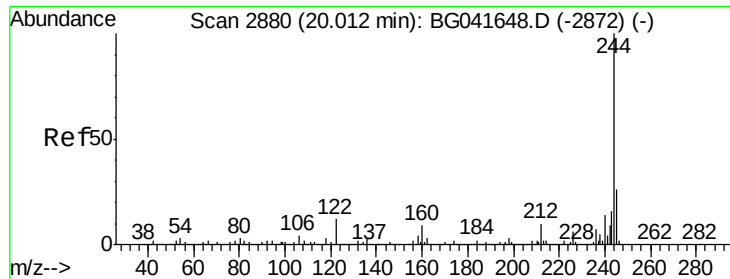
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BG041661.D
 Acq: 16 Jul 2019 10:24

Tgt Ion:240 Resp: 563169
 Ion Ratio Lower Upper
 240 100
 120 9.4 8.0 12.0
 236 27.1 22.6 33.8



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: 95.687 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG041661.D

Acq: 16 Jul 2019 10:24

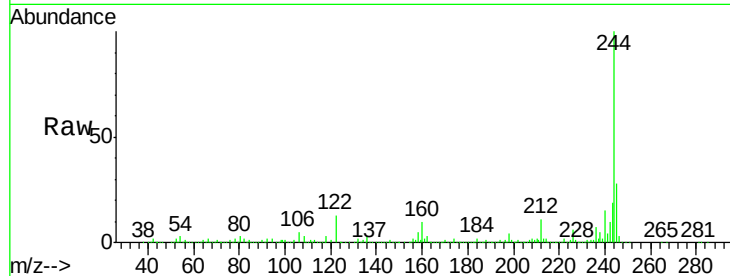
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2305980

Ion	Ratio	Lower	Upper
244	100		
212	10.7	9.7	14.5
122	12.6	12.5	18.7

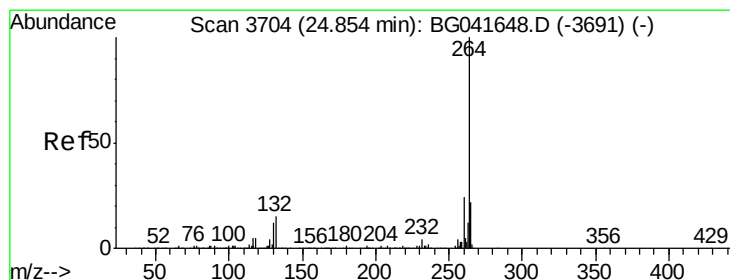
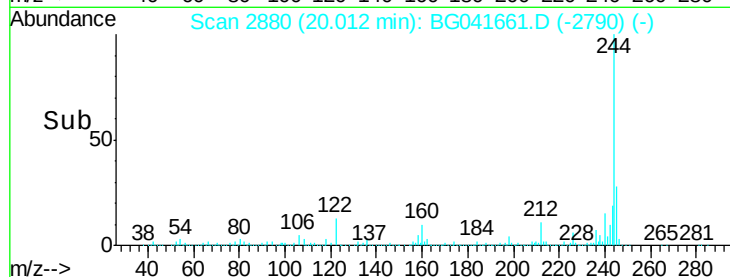
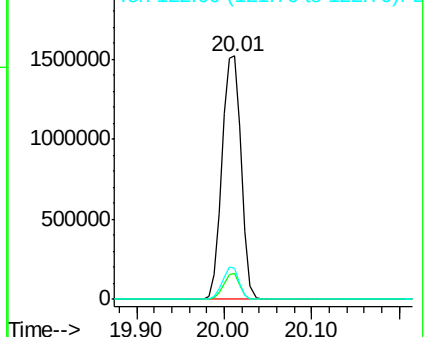


Abundance

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: 20.000 ng

RT: 24.85 min Scan# 3703

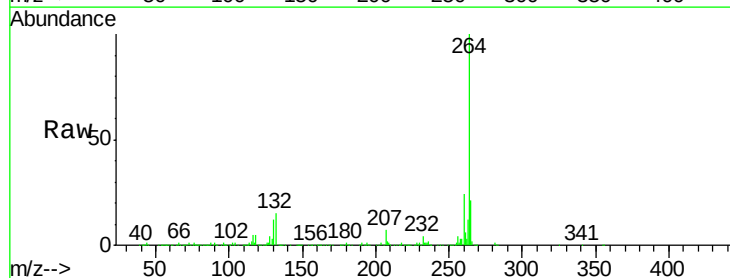
Delta R.T. -0.02 min

Lab File: BG041661.D

Acq: 16 Jul 2019 10:24

Tgt Ion:264 Resp: 632042

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.3	18.0	27.0



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

