

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011320\
 Data File : BG044020.D
 Acq On : 13 Jan 2020 20:19
 Operator : JU
 Sample : PB126031BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 10:16:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

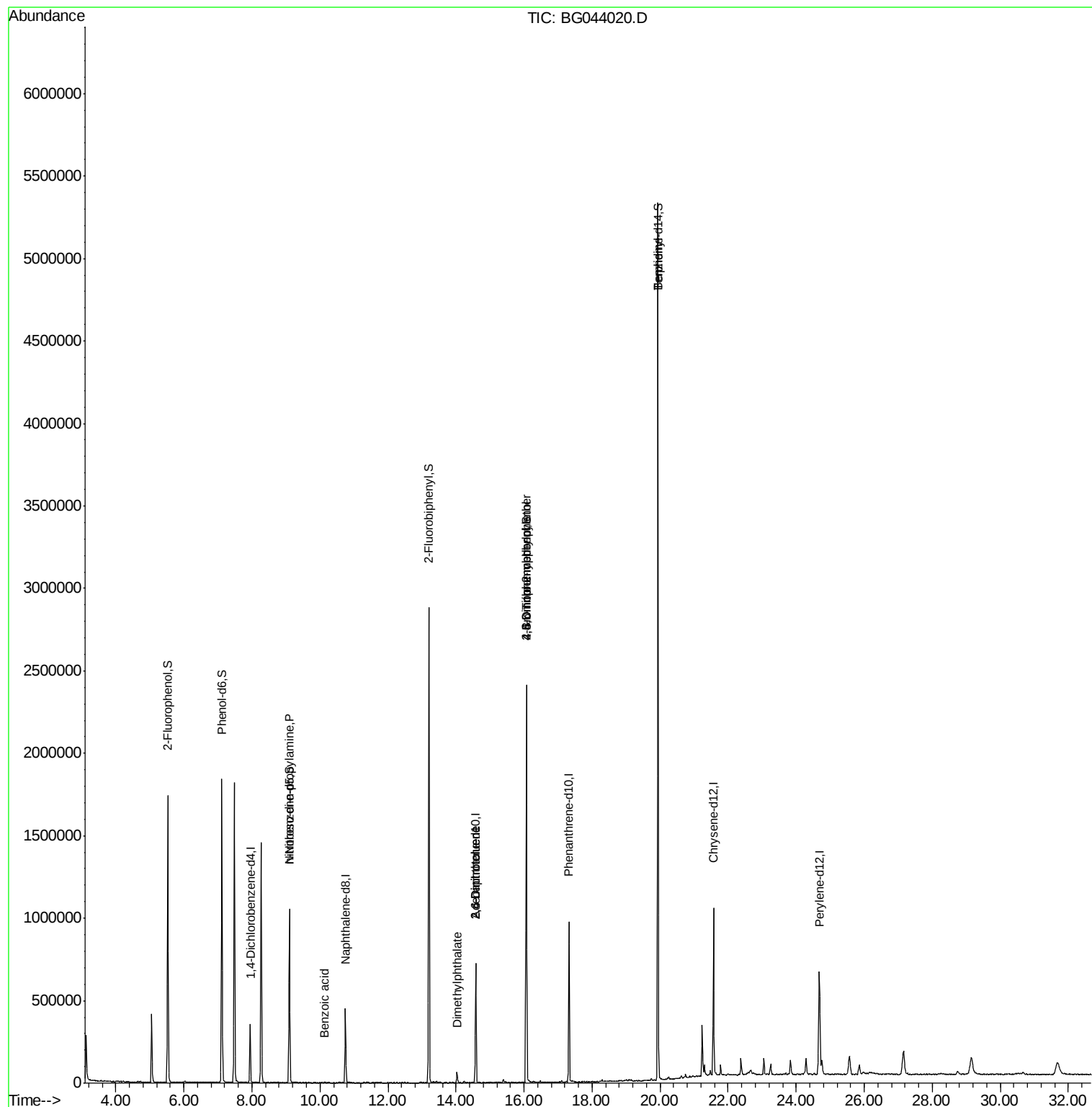
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	107364	20.00	ng	-0.02
21) Naphthalene-d8	10.74	136	419925	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	270134	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	612865	20.00	ng	-0.02
76) Chrysene-d12	21.57	240	582652	20.00	ng	-0.02
87) Perylene-d12	24.68	264	641627	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	860577	147.17	ng	-0.01
7) Phenol-d6	7.11	99	1180911	144.48	ng	-0.01
23) Nitrobenzene-d5	9.10	82	688419	87.70	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	463709	164.03	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	1495524	100.30	ng	-0.02
79) Terphenyl-d14	19.93	244	2368291	103.59	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	89323	14.675	ng	# 82
32) Benzoic acid	10.13	122	58	6.273	ng	# 1
50) Dimethylphthalate	14.03	163	45546	2.375	ng	# 99
51) 2,6-Dinitrotoluene	14.58	165	35127	8.103	ng	# 26
57) 2,4-Dinitrotoluene	14.58	165	35127	5.955	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	1569	4.841	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	32282	4.683	ng	# 1
77) Benzidine	19.93	184	44912	3.067	ng	# 91

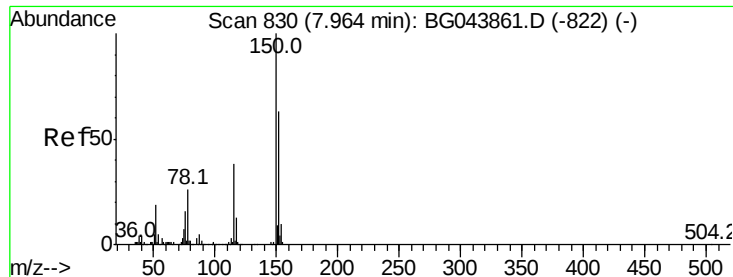
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011320\
Data File : BG044020.D
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
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Quant Time: Jan 14 10:16:32 2020
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Response via : Initial Calibration



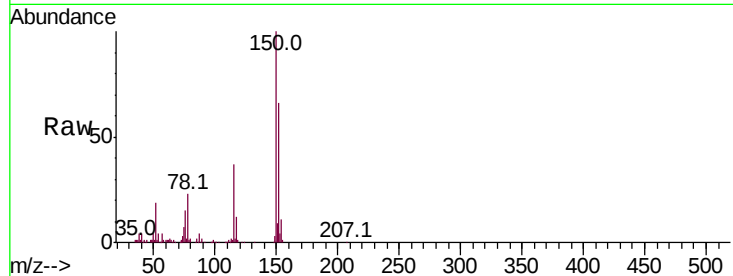


#1

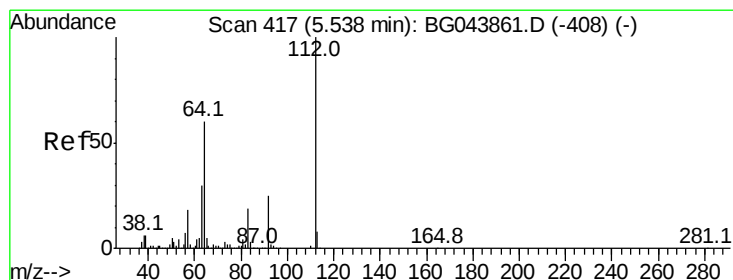
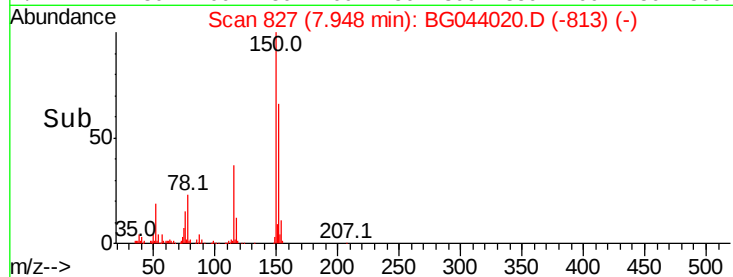
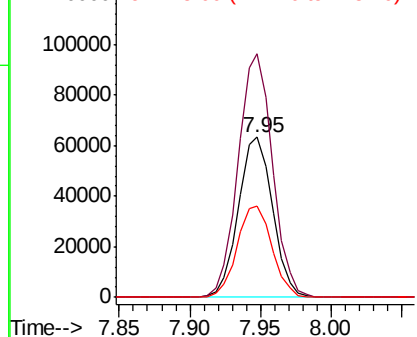
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG044020.D
Acq: 13 Jan 2020 20:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 107364
Ion Ratio Lower Upper
152 100
150 152.3 127.0 190.4
115 56.9 47.8 71.8



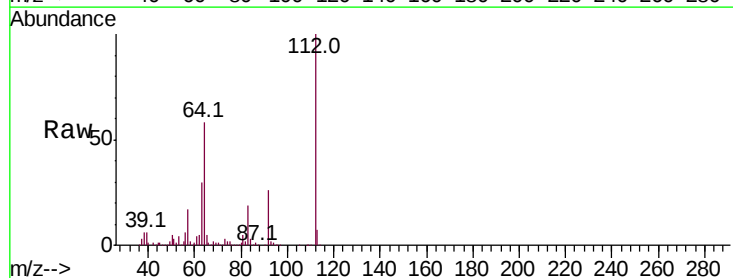
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



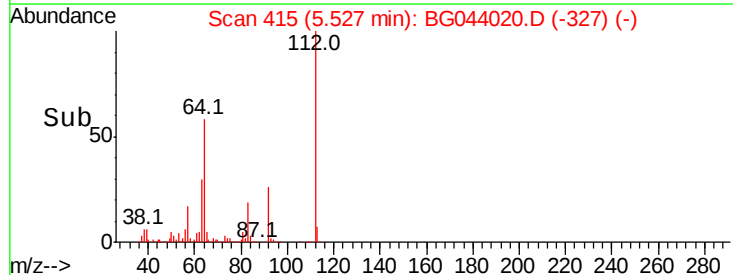
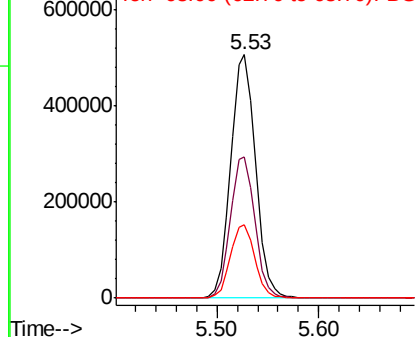
#5

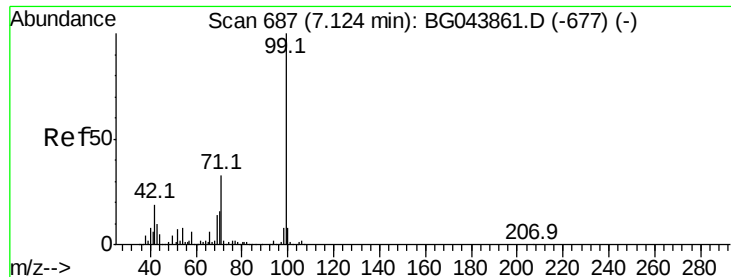
2-Fluorophenol
Concen: 147.174 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG044020.D
Acq: 13 Jan 2020 20:19

Tgt Ion:112 Resp: 860577
Ion Ratio Lower Upper
112 100
64 57.9 47.8 71.6
63 30.3 24.3 36.5



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: 144.480 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG044020.D

Acq: 13 Jan 2020 20:19

Instrument :

BNA_G

ClientSampled :

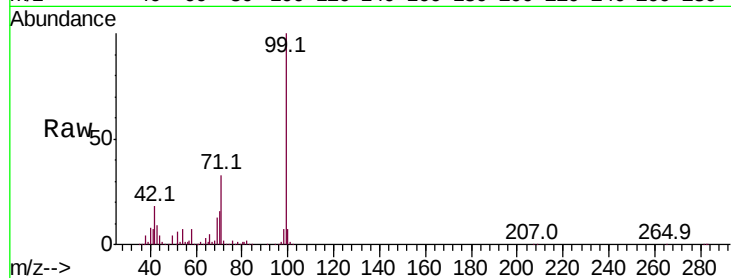
Tot Ion: 99 Resp: 1180911

Ion Ratio Lower Upper

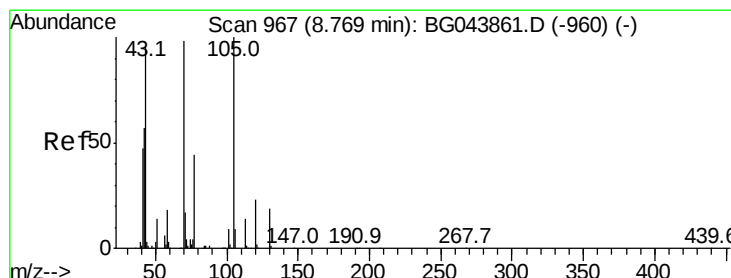
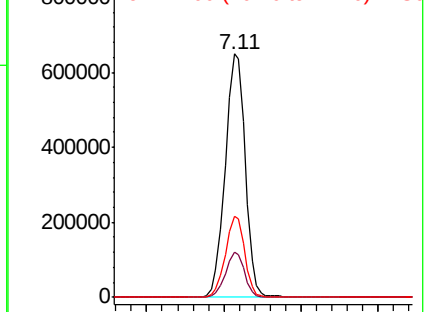
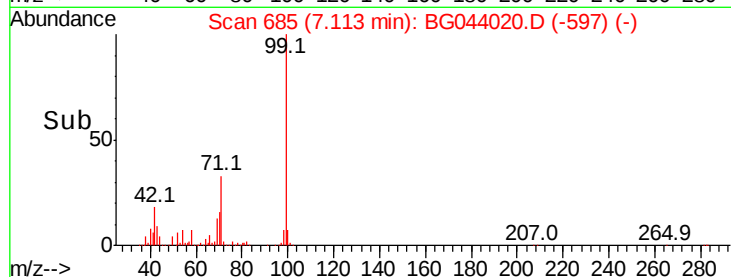
99 100

42 18.4 14.9 22.3

71 33.3 26.4 39.6



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: 14.675 ng

RT: 9.10 min Scan# 1023

Delta R.T. 0.33 min

Lab File: BG044020.D

Acq: 13 Jan 2020 20:19

Tgt Ion: 70 Resp: 89323

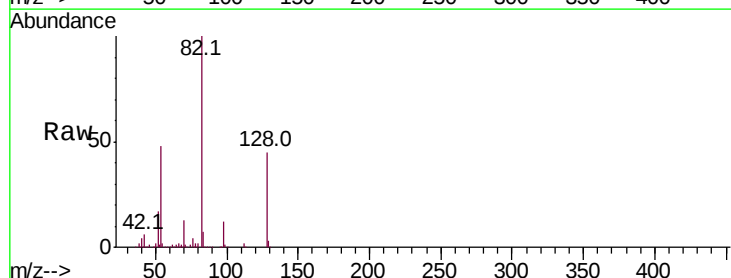
Ion Ratio Lower Upper

70 100

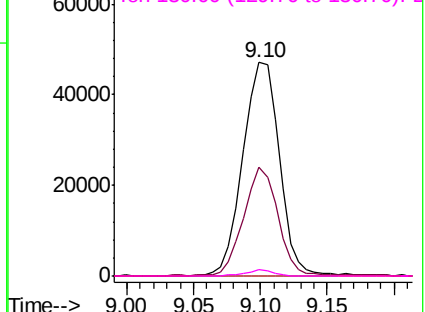
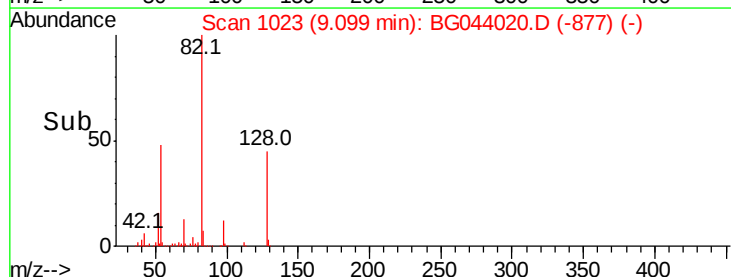
42 51.0 47.0 70.4

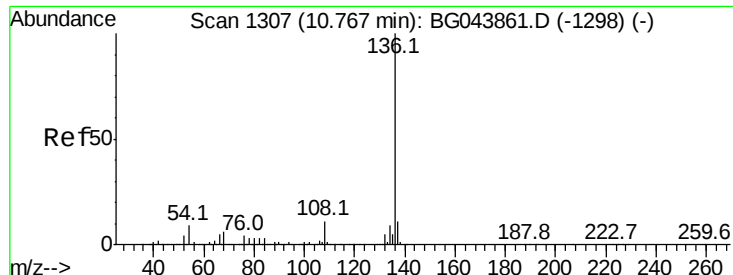
101 0.0 7.2 10.8#

130 2.9 15.6 23.4#



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: 20.000 ng

RT: 10.74 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BG044020.D

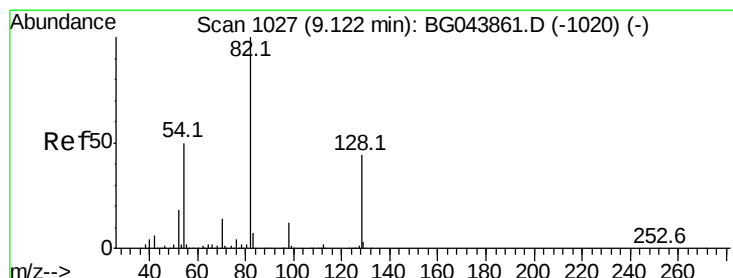
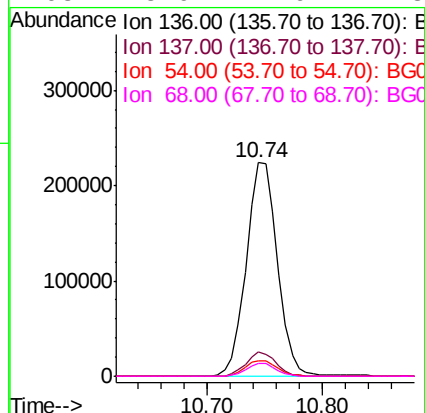
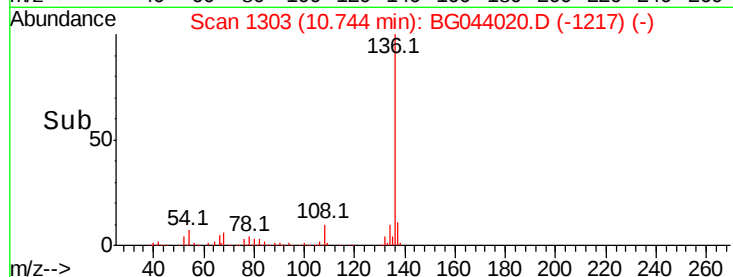
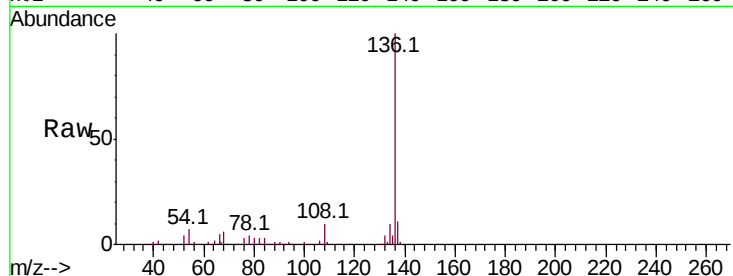
Acq: 13 Jan 2020 20:19

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	419925
Ion	Ratio	Lower Upper
136	100	
137	11.4	8.8 13.2
54	7.3	7.0 10.4
68	5.9	4.9 7.3



#23

Nitrobenzene-d5

Concen: 87.700 ng

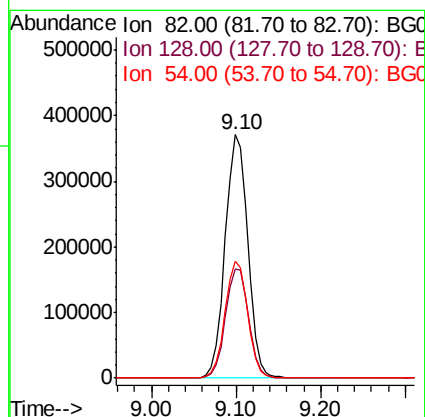
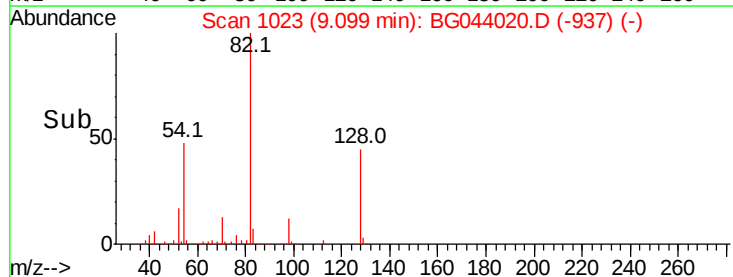
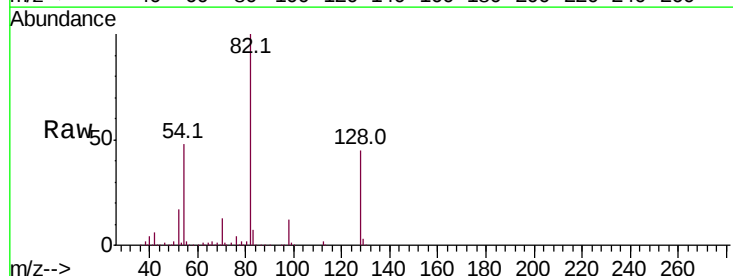
RT: 9.10 min Scan# 1023

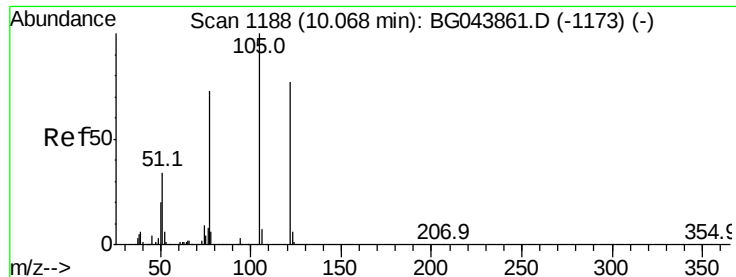
Delta R.T. -0.02 min

Lab File: BG044020.D

Acq: 13 Jan 2020 20:19

Tgt Ion: 82	Resp:	688419
Ion	Ratio	Lower Upper
82	100	
128	45.1	35.1 52.7
54	48.0	40.1 60.1





#32

Benzoic acid

Concen: 6.273 ng

RT: 10.13 min Scan# 1198

Delta R.T. 0.06 min

Lab File: BG044020.D

Acq: 13 Jan 2020 20:19

Instrument :

BNA_G

ClientSampleId :

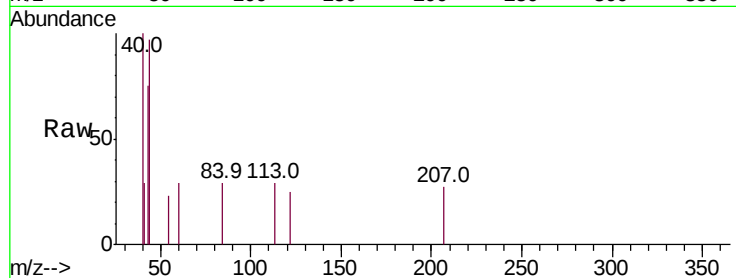
Tot Ion:122 Resp: 58

Ion Ratio Lower Upper

122 100

105 0.0 106.4 146.4#

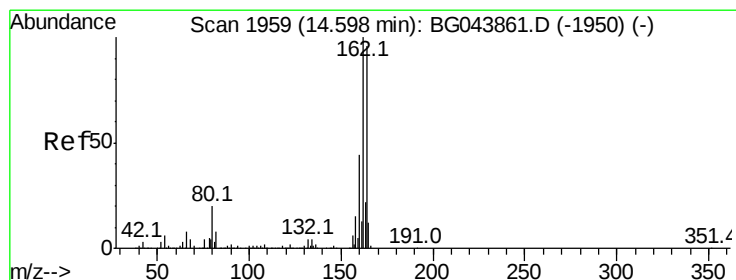
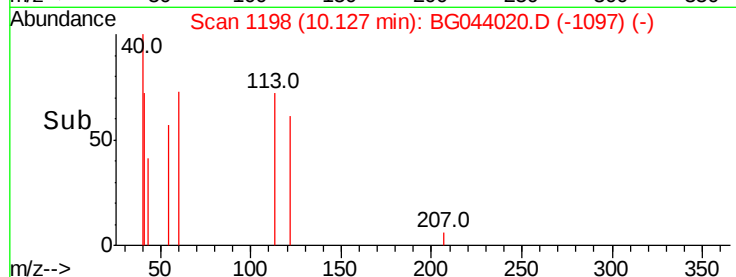
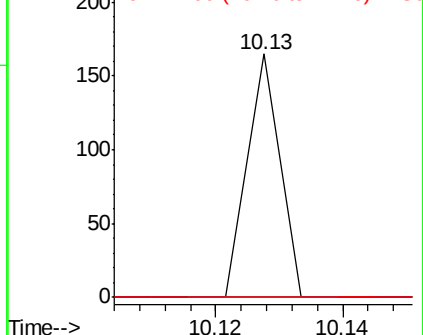
77 0.0 74.6 114.6#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG044020.D

Acq: 13 Jan 2020 20:19

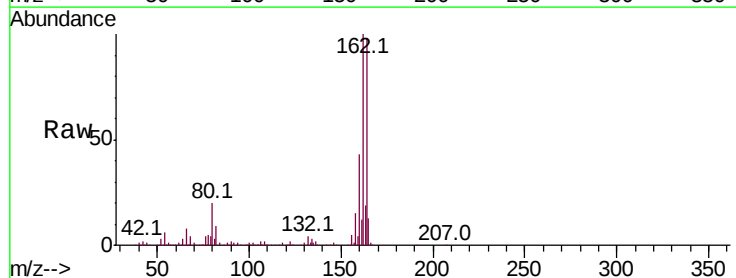
Tgt Ion:164 Resp: 270134

Ion Ratio Lower Upper

164 100

162 102.5 83.0 124.4

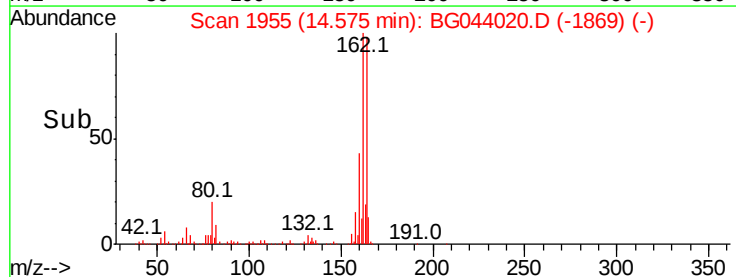
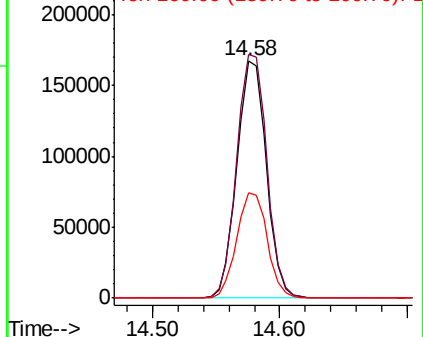
160 44.5 36.1 54.1

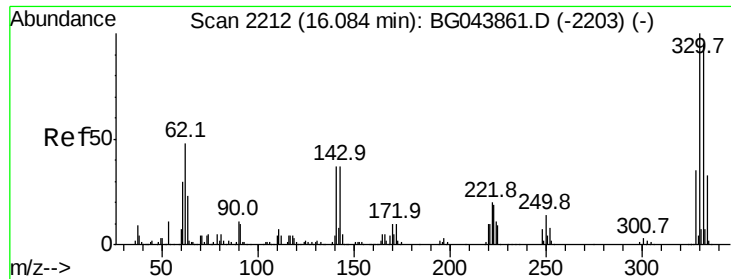


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

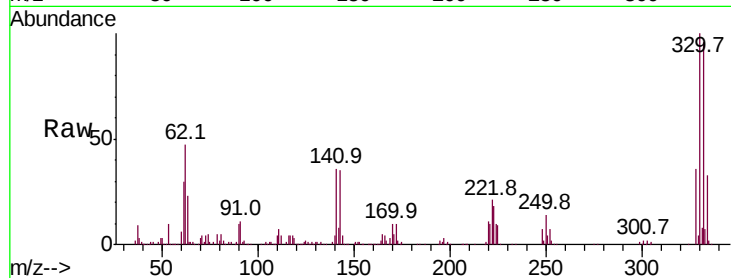




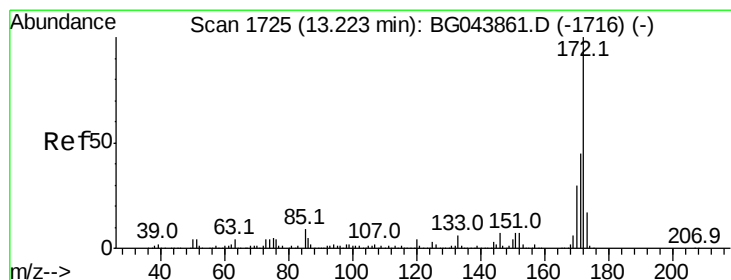
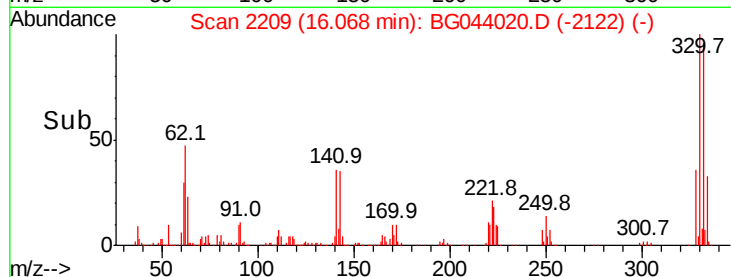
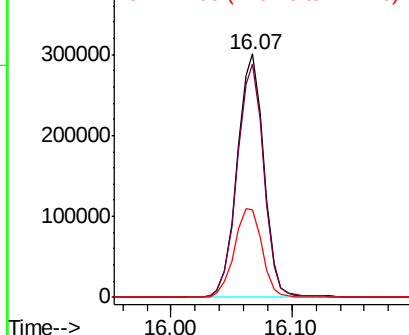
#42
 2,4,6-Tribromophenol
 Concen: 164.035 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.02 min
 Lab File: BG044020.D
 Acq: 13 Jan 2020 20:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.2	115.8
141	38.3	33.1	49.7

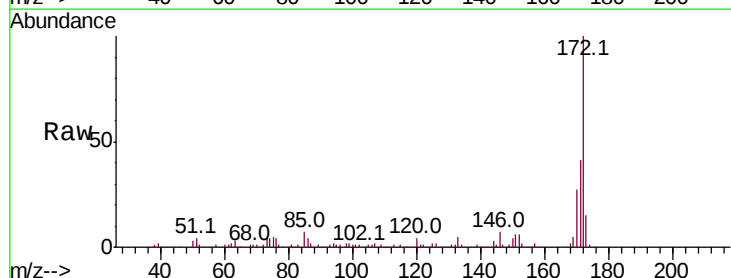


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

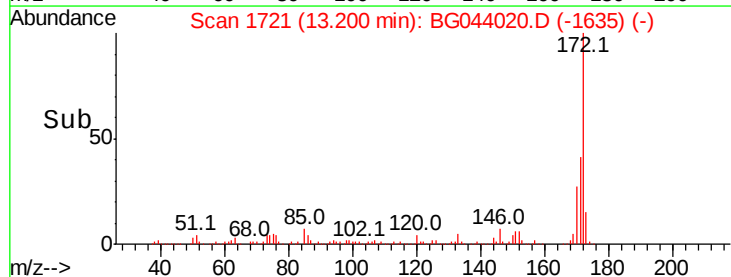
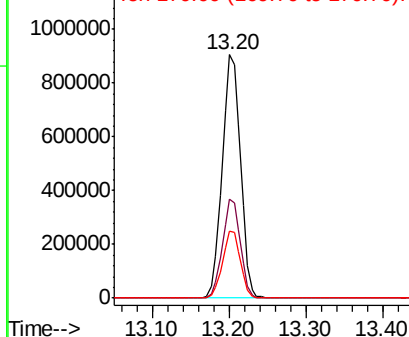


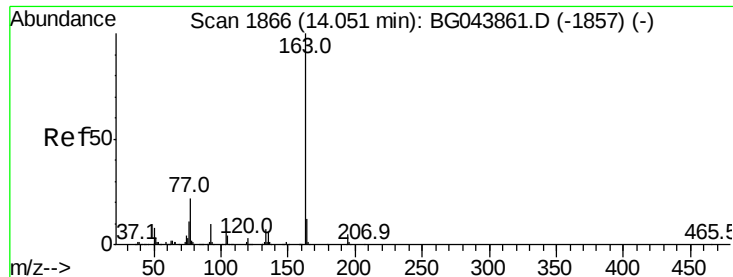
#45
 2-Fluorobiphenyl
 Concen: 100.304 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.02 min
 Lab File: BG044020.D
 Acq: 13 Jan 2020 20:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.7	35.8	53.8
170	27.3	24.2	36.4



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

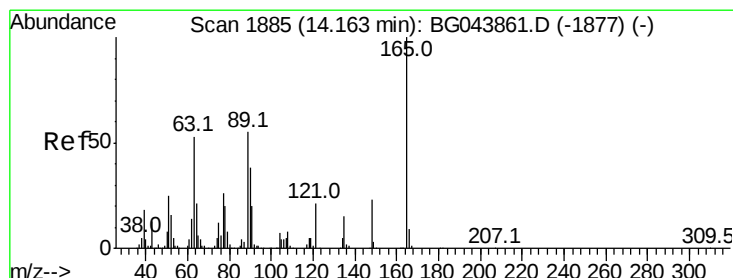
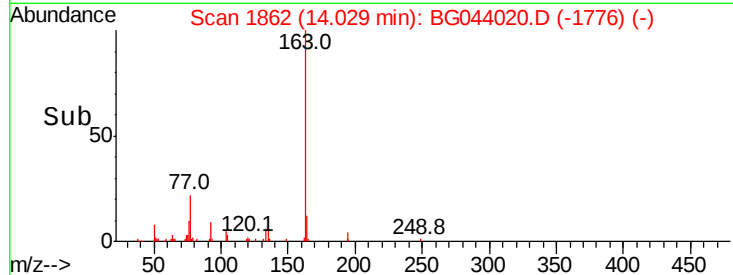
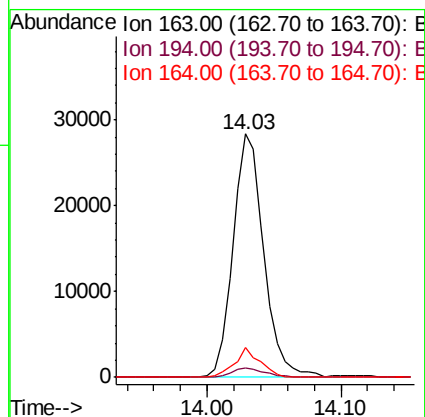
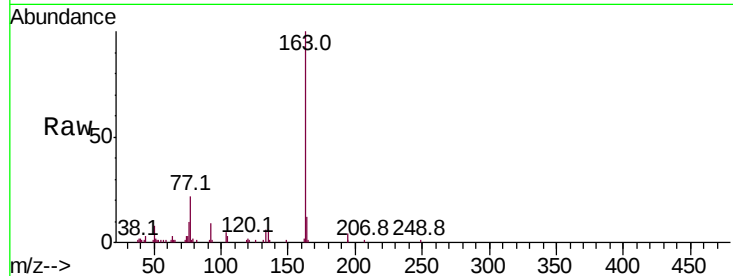




#50
Dimethylphthalate
Concen: 2.375 ng
RT: 14.03 min Scan# 1862
Delta R.T. -0.02 min
Lab File: BG044020.D
Acq: 13 Jan 2020 20:19

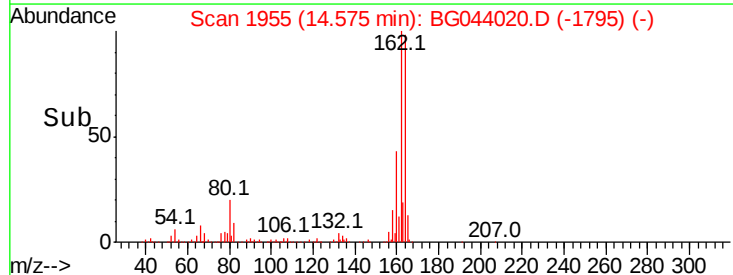
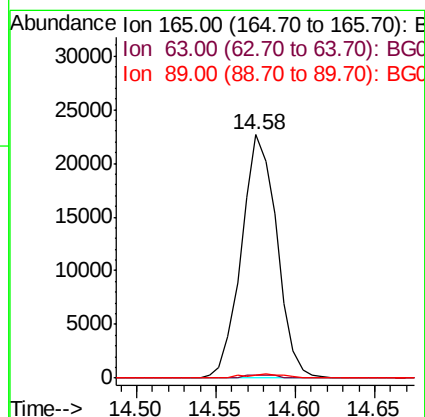
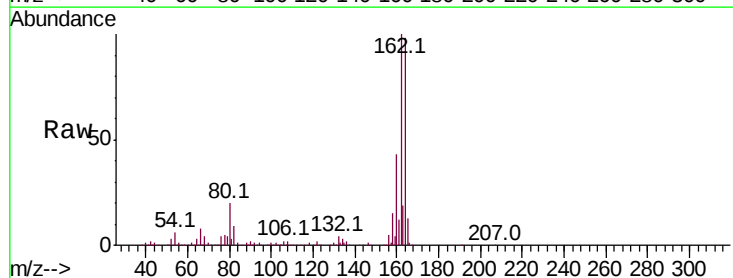
Instrument :
BNA_G
ClientSampleId :

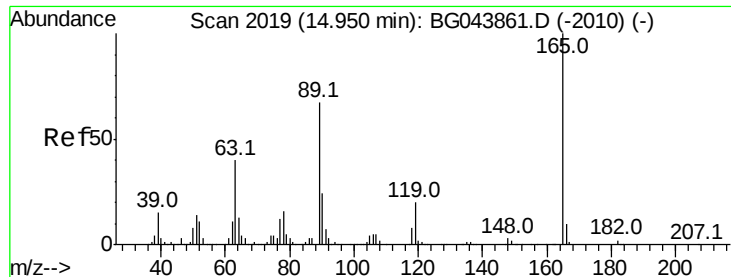
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.7	5.5
164	12.1	9.3	13.9



#51
2,6-Dinitrotoluene
Concen: 8.103 ng
RT: 14.58 min Scan# 1955
Delta R.T. 0.41 min
Lab File: BG044020.D
Acq: 13 Jan 2020 20:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	43.1	64.7#
89	1.3	43.8	65.6#

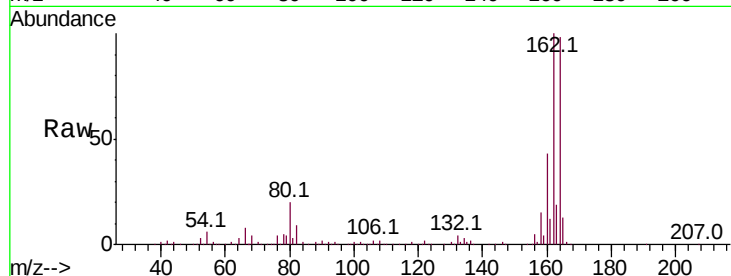




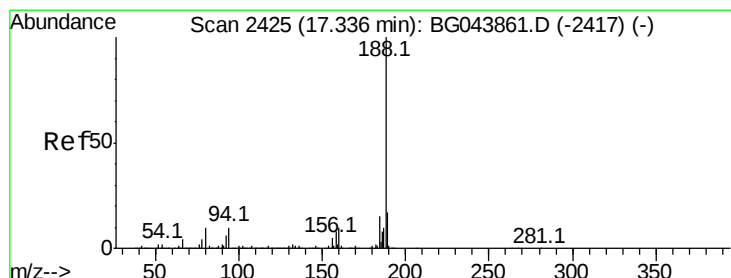
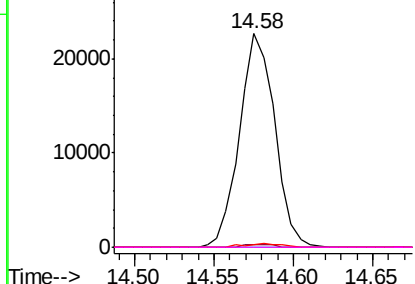
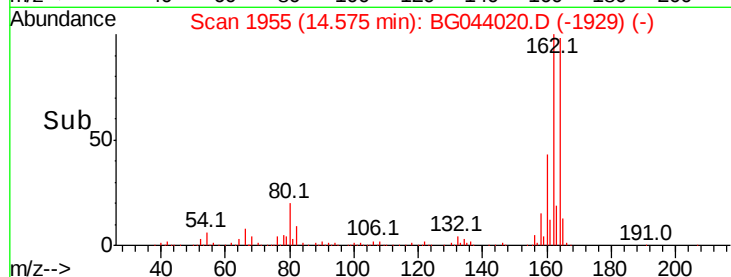
#57
 2,4-Dinitrotoluene
 Concen: 5.955 ng
 RT: 14.58 min Scan# 1955
 Delta R.T. -0.38 min
 Lab File: BG044020.D
 Acq: 13 Jan 2020 20:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 35127
 Ion Ratio Lower Upper
 165 100
 63 1.4 31.9 47.9#
 89 1.3 53.8 80.6#
 182 0.0 2.0 3.0#

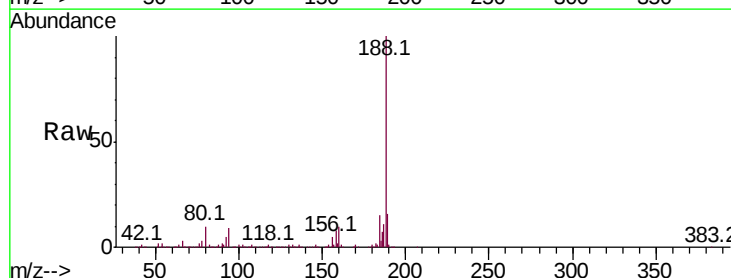


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

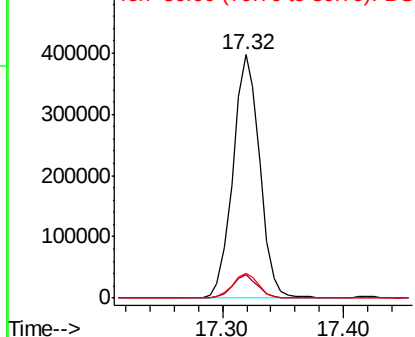
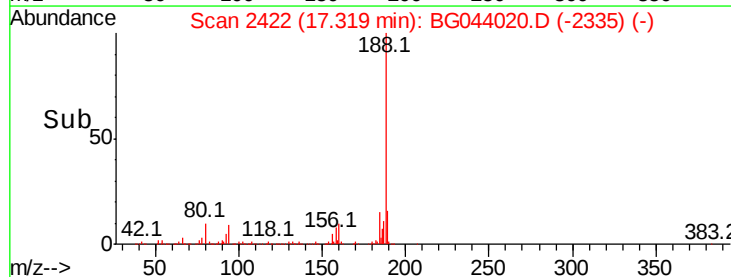


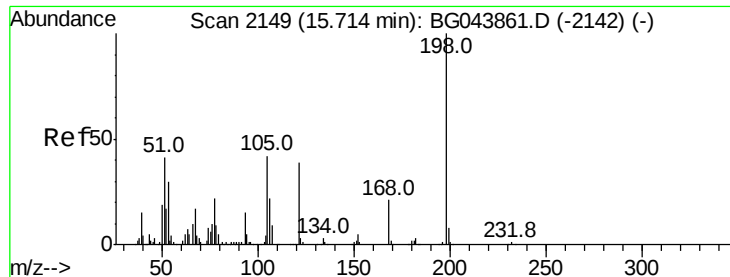
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.02 min
 Lab File: BG044020.D
 Acq: 13 Jan 2020 20:19

Tgt Ion:188 Resp: 612865
 Ion Ratio Lower Upper
 188 100
 94 9.4 7.9 11.9
 80 10.4 8.2 12.4



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

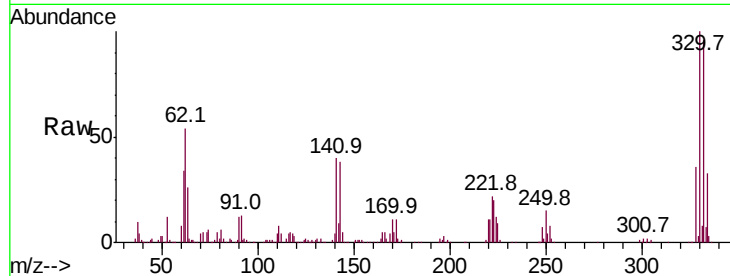




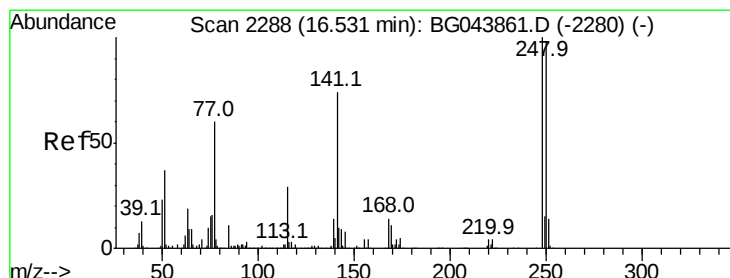
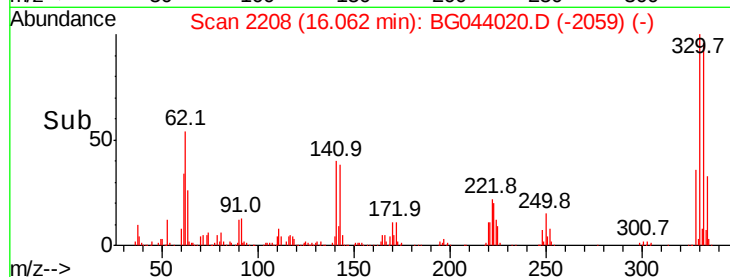
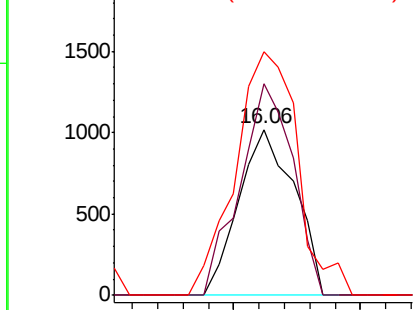
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.841 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. 0.35 min
 Lab File: BG044020.D
 Acq: 13 Jan 2020 20:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 1569
 Ion Ratio Lower Upper
 198 100
 51 127.7 22.5 62.5#
 105 146.8 22.3 62.3#

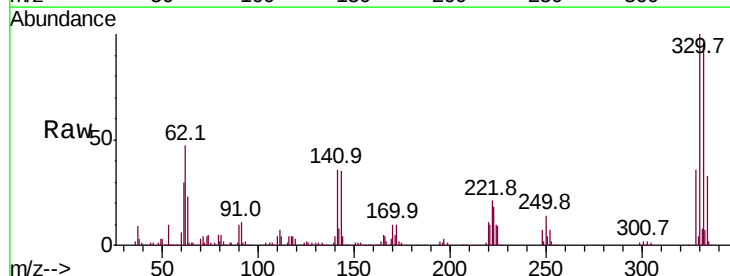


Abundance Ion 198.00 (197.70 to 198.70): E
 2000 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

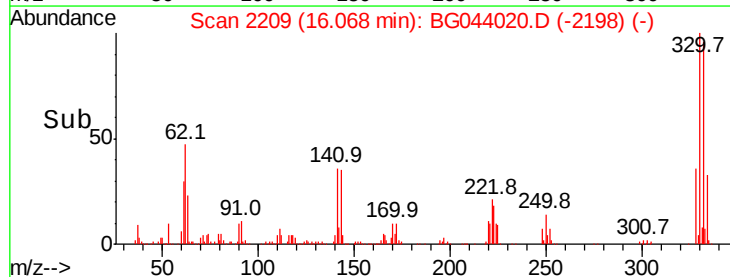
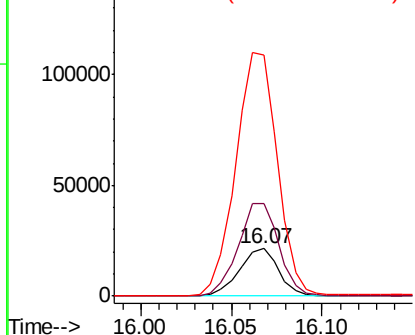


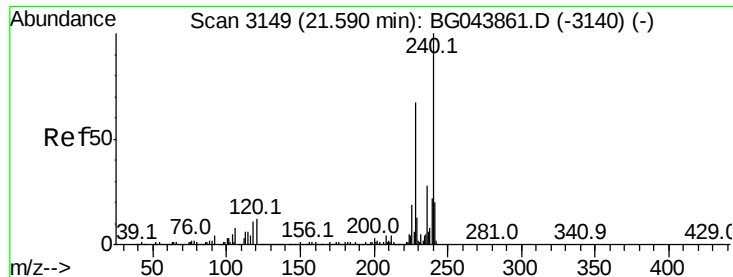
#67
 4-Bromophenyl-phenylether
 Concen: 4.683 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.46 min
 Lab File: BG044020.D
 Acq: 13 Jan 2020 20:19

Tgt Ion:248 Resp: 32282
 Ion Ratio Lower Upper
 248 100
 250 195.1 78.2 117.2#
 141 507.8 59.3 88.9#



Abundance Ion 248.00 (247.70 to 248.70): E
 150000 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: 21.57 min Scan# 3145

Delta R.T. -0.02 min

Lab File: BG044020.D

Acq: 13 Jan 2020 20:19

Instrument :

BNA_G

ClientSampled :

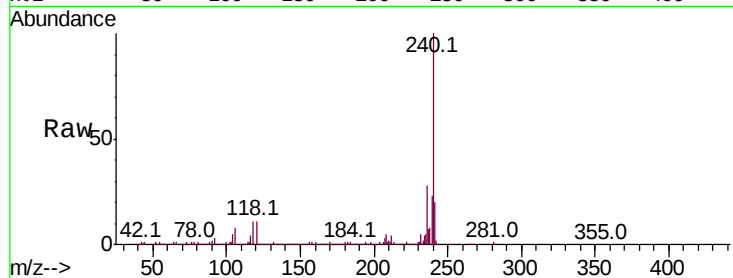
Tot Ion:240 Resp: 582652

Ion Ratio Lower Upper

240 100

120 10.9 9.6 14.4

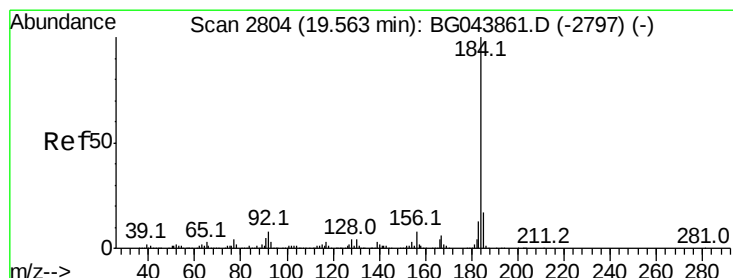
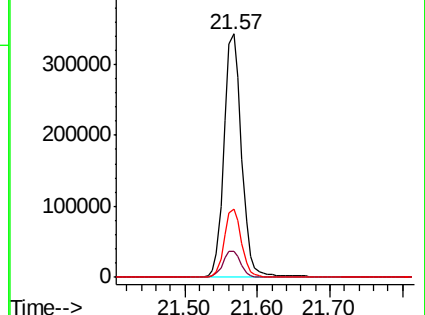
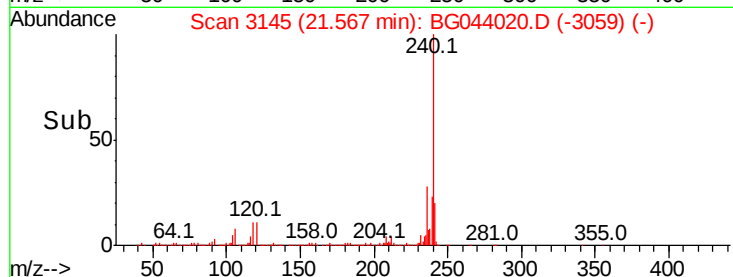
236 27.8 22.2 33.2



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



#77

Benzidine

Concen: 3.067 ng

RT: 19.93 min Scan# 2867

Delta R.T. 0.37 min

Lab File: BG044020.D

Acq: 13 Jan 2020 20:19

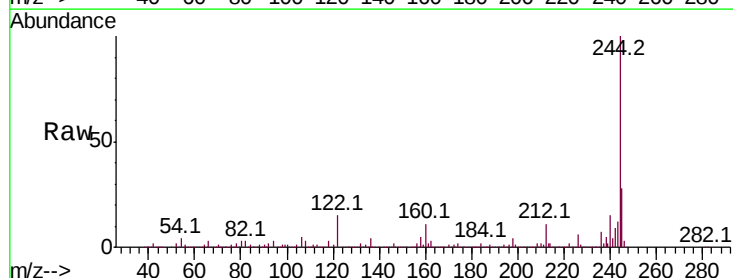
Tgt Ion:184 Resp: 44912

Ion Ratio Lower Upper

184 100

185 16.2 13.4 20.0

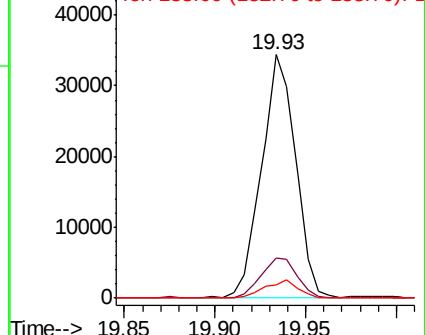
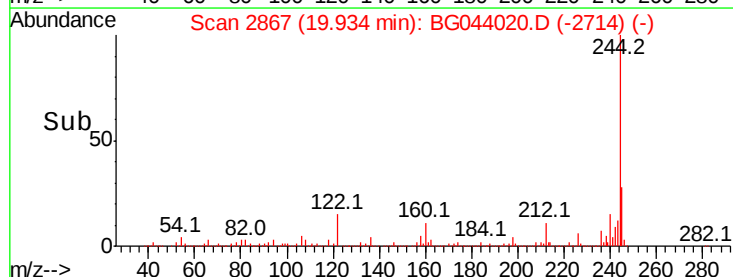
183 5.7 10.6 15.8#

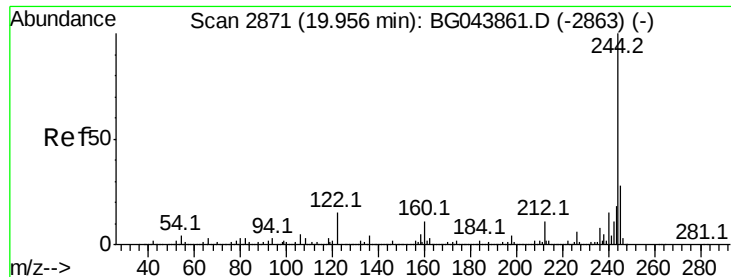


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 103.591 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.02 min

Lab File: BG044020.D

Acq: 13 Jan 2020 20:19

Instrument :

BNA_G

ClientSampled :

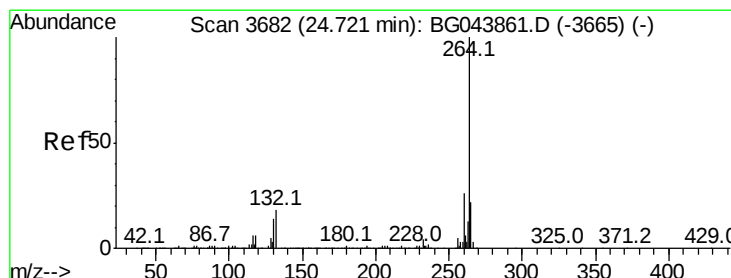
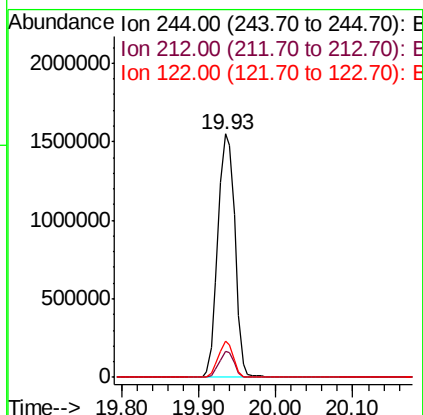
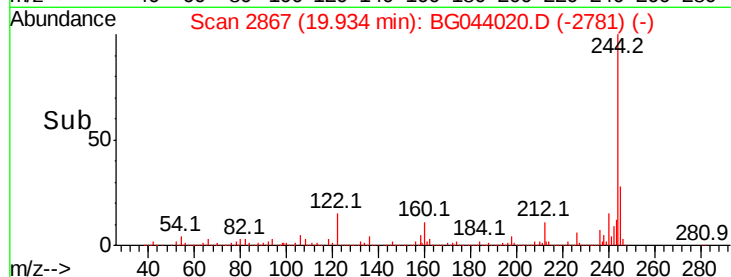
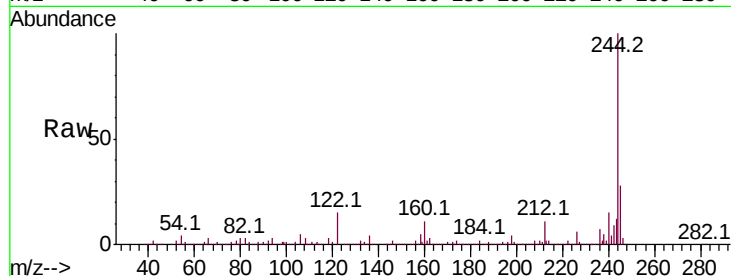
Tot Ion:244 Resp: 2368291

Ion Ratio Lower Upper

244 100

212 10.7 8.6 13.0

122 14.7 11.9 17.9



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.68 min Scan# 3675

Delta R.T. -0.04 min

Lab File: BG044020.D

Acq: 13 Jan 2020 20:19

Tgt Ion:264 Resp: 641627

Ion Ratio Lower Upper

264 100

260 25.7 20.4 30.6

265 21.5 17.4 26.2

