

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011320\
 Data File : BG044021.D
 Acq On : 13 Jan 2020 20:59
 Operator : JU
 Sample : PB126034BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 10:16:40 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

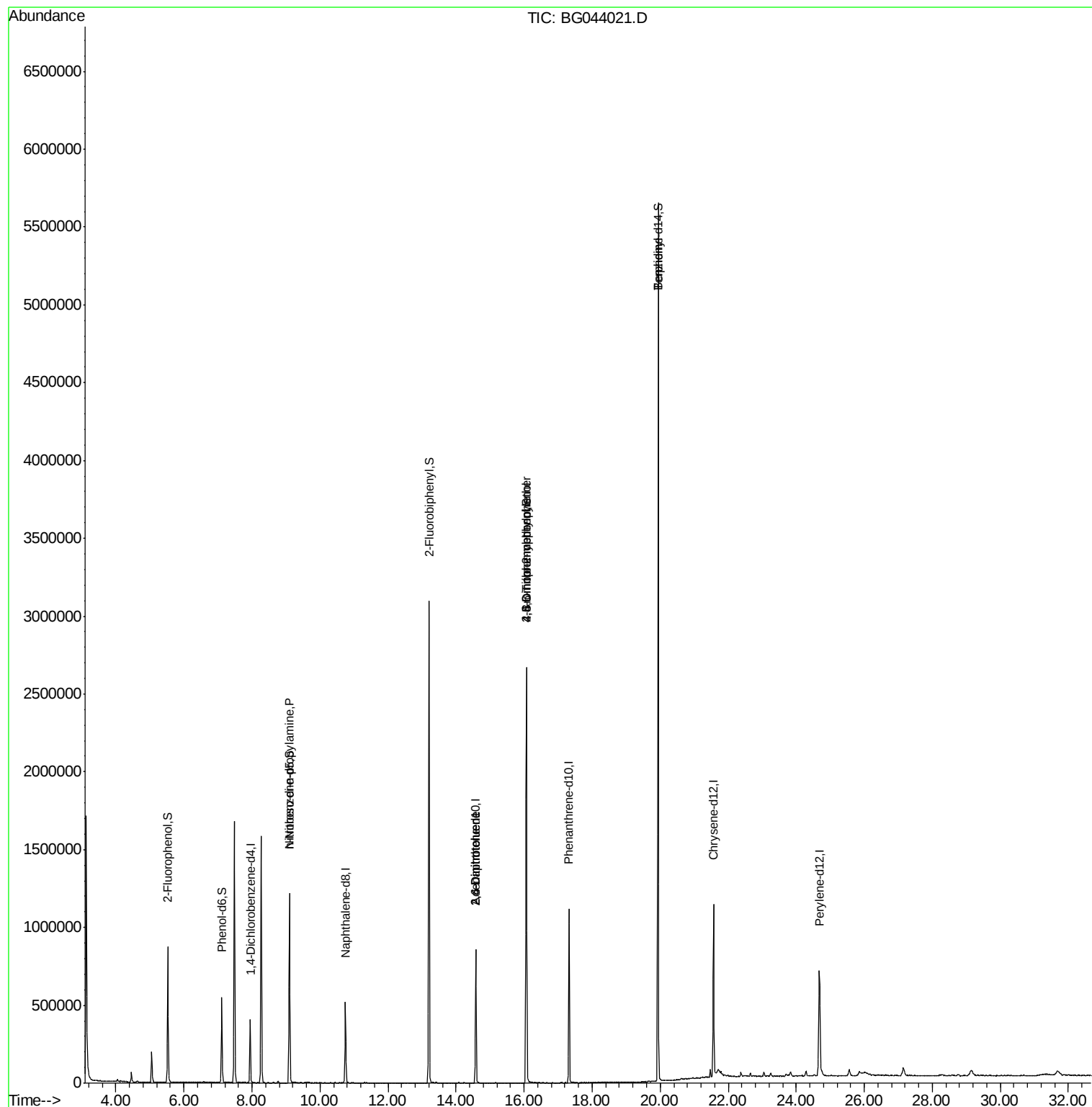
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	119890	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	476724	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	309262	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	680213	20.00	ng	-0.02
76) Chrysene-d12	21.57	240	639430	20.00	ng	-0.02
87) Perylene-d12	24.68	264	700328	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	431108	66.02	ng	-0.01
7) Phenol-d6	7.11	99	354730	38.87	ng	-0.01
23) Nitrobenzene-d5	9.10	82	791629	88.83	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	510702	157.80	ng	-0.02
45) 2-Fluorobiphenyl	13.21	172	1626946	95.31	ng	-0.02
79) Terphenyl-d14	19.94	244	2461330	95.93	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	104414	15.362	ng	# 79
51) 2,6-Dinitrotoluene	14.57	165	40934	8.247	ng	# 26
57) 2,4-Dinitrotoluene	14.57	165	40934	6.061	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.07	198	1823	4.862	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	35879	4.690	ng	# 1
77) Benzidine	19.94	184	48295	3.005	ng	# 93

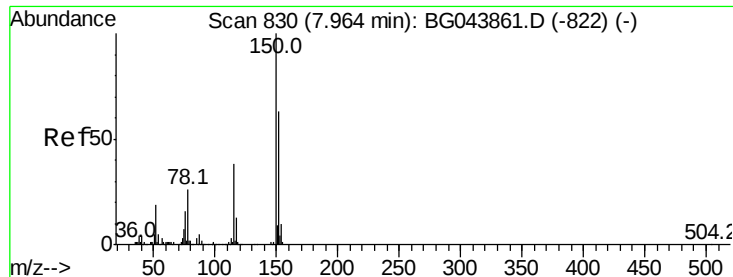
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011320\
Data File : BG044021.D
Acq On : 13 Jan 2020 20:59
Operator : JU
Sample : PB126034BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jan 14 10:16:40 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



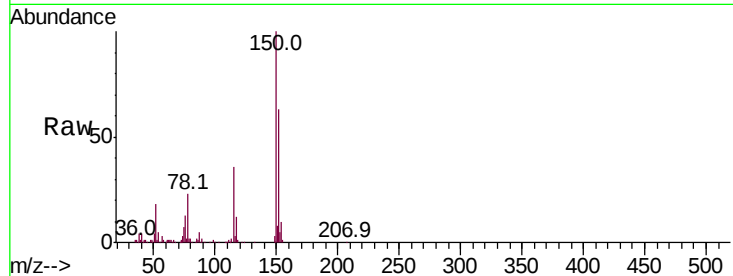


#1

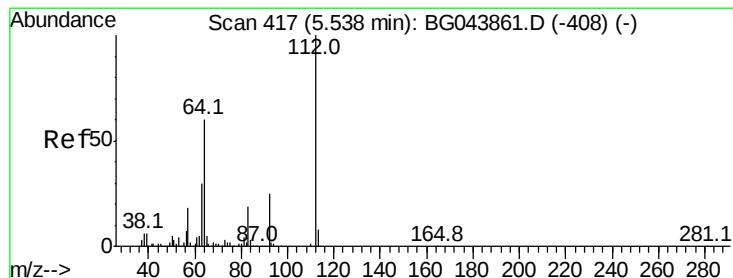
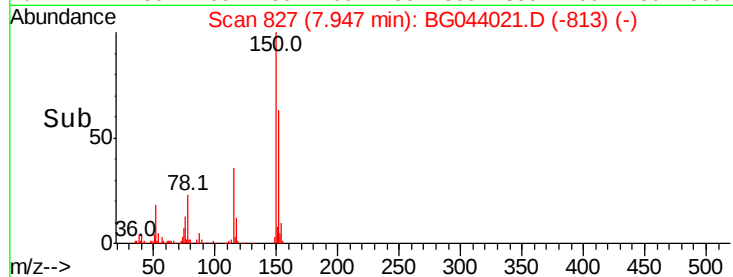
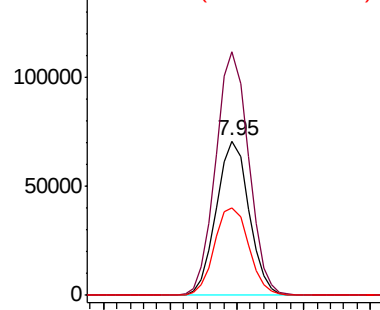
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG044021.D
Acq: 13 Jan 2020 20:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 119890
Ion Ratio Lower Upper
152 100
150 157.9 127.0 190.4
115 56.7 47.8 71.8



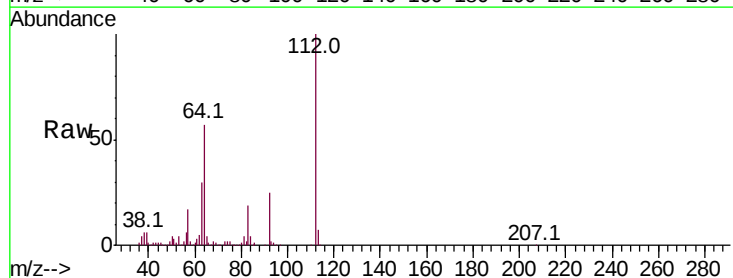
Abundance Ion 152.00 (151.70 to 152.70): E
150000 Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



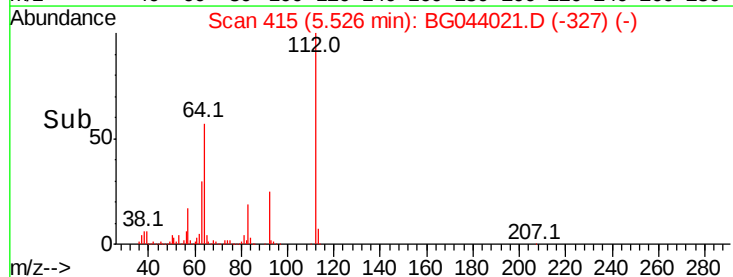
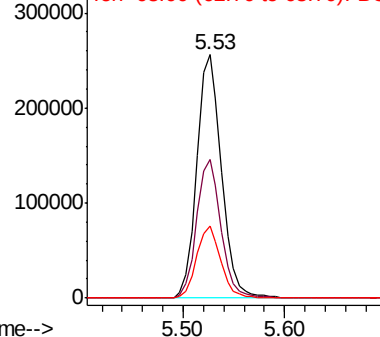
#5

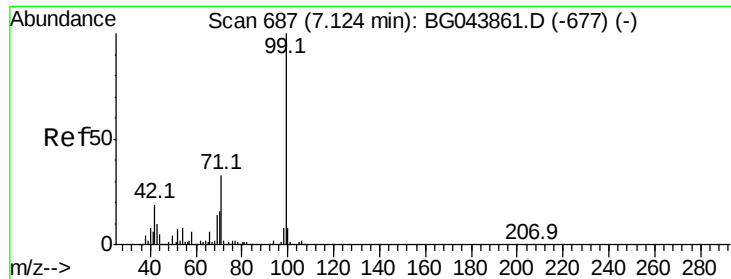
2-Fluorophenol
Concen: 66.024 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG044021.D
Acq: 13 Jan 2020 20:59

Tgt Ion:112 Resp: 431108
Ion Ratio Lower Upper
112 100
64 57.0 47.8 71.6
63 29.7 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: 38.866 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG044021.D

Acq: 13 Jan 2020 20:59

Instrument :

BNA_G

ClientSampled :

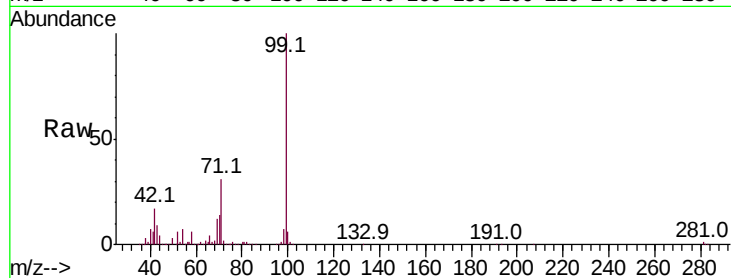
Tot Ion: 99 Resp: 354730

Ion Ratio Lower Upper

99 100

42 16.8 14.9 22.3

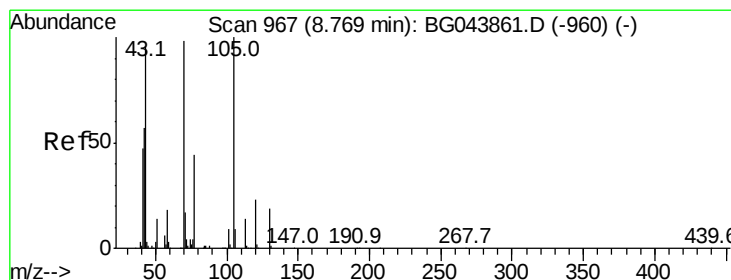
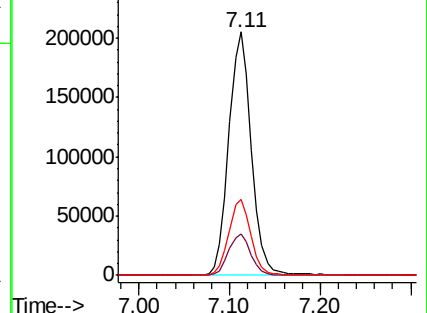
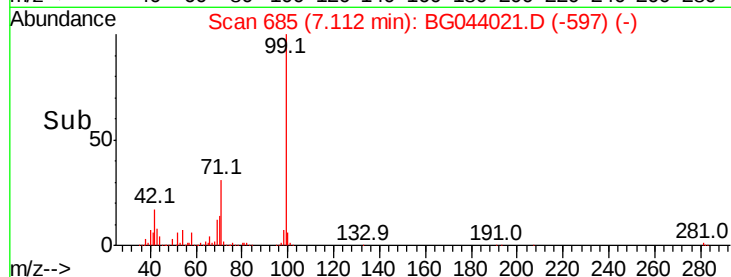
71 31.0 26.4 39.6



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: 15.362 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.33 min

Lab File: BG044021.D

Acq: 13 Jan 2020 20:59

Tgt Ion: 70 Resp: 104414

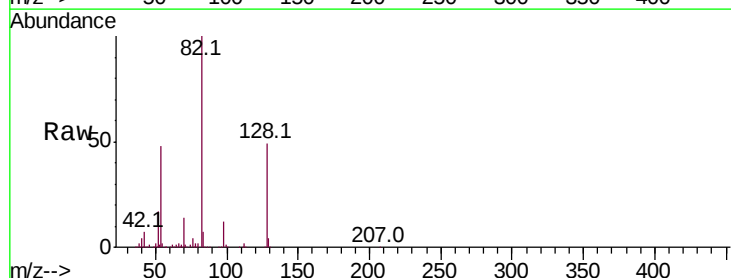
Ion Ratio Lower Upper

70 100

42 47.6 47.0 70.4

101 0.0 7.2 10.8#

130 2.0 15.6 23.4#

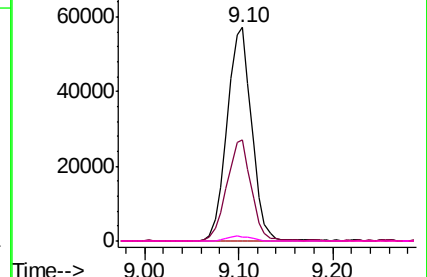
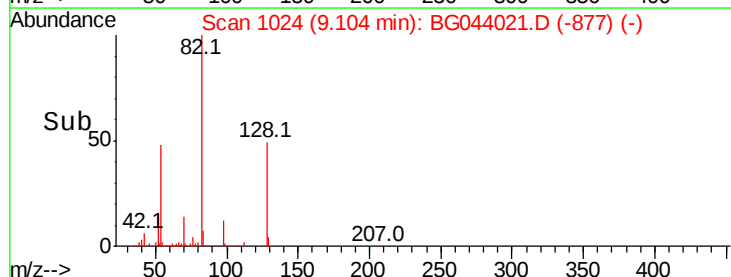


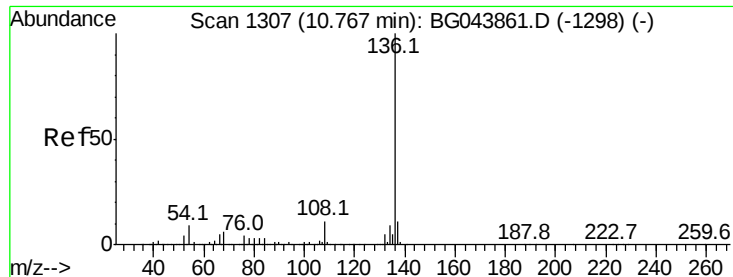
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.75 min Scan# 1304

Delta R.T. -0.02 min

Lab File: BG044021.D

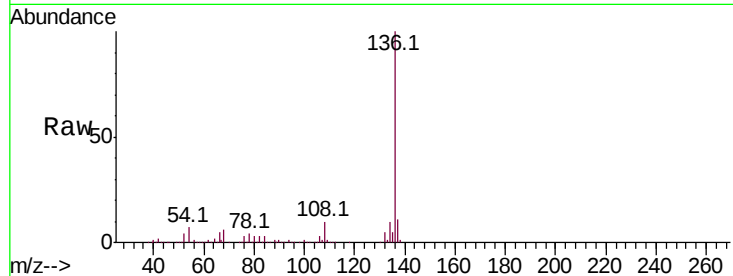
Acq: 13 Jan 2020 20:59

Instrument :

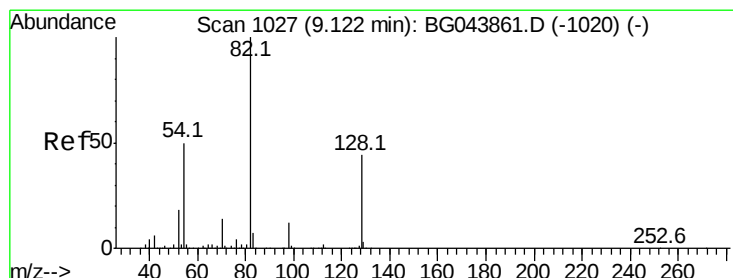
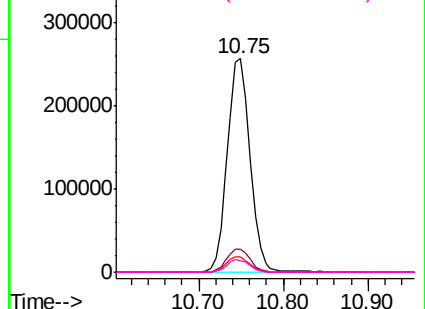
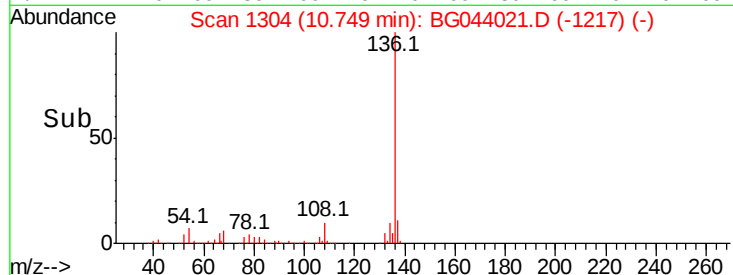
BNA_G

ClientSampleId :

Tot Ion:	136	Resp:	476724
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.4	7.0	10.4
68	5.6	4.9	7.3



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



#23

Nitrobenzene-d5

Concen: 88.833 ng

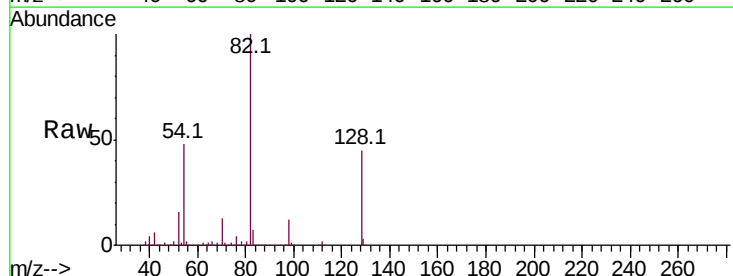
RT: 9.10 min Scan# 1023

Delta R.T. -0.02 min

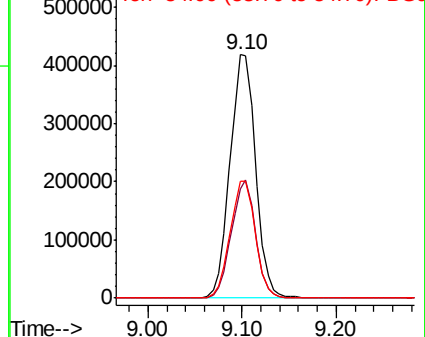
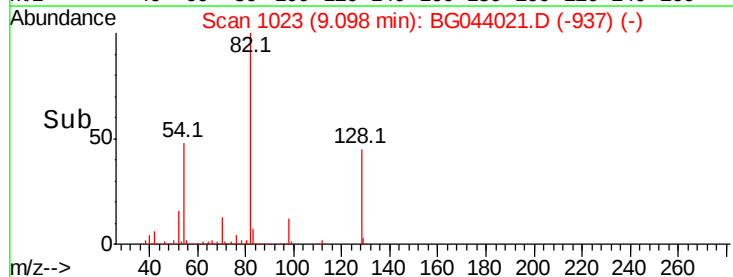
Lab File: BG044021.D

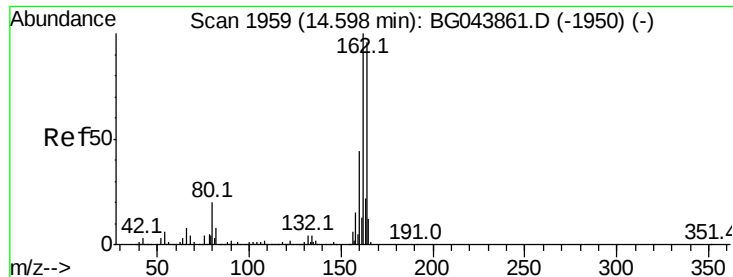
Acq: 13 Jan 2020 20:59

Tgt Ion:	82	Resp:	791629
Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.1	52.7
54	48.2	40.1	60.1



Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BG044021.D

Acq: 13 Jan 2020 20:59

Instrument :

BNA_G

ClientSampled :

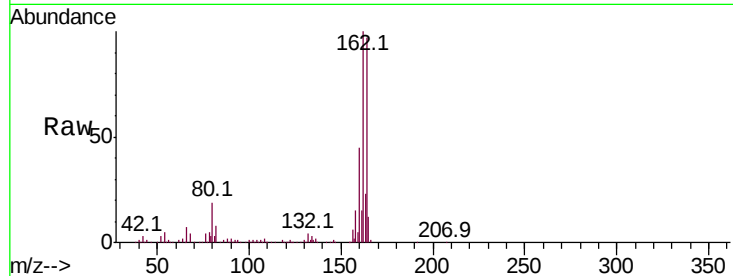
Tot Ion:164 Resp: 309262

Ion Ratio Lower Upper

164 100

162 102.7 83.0 124.4

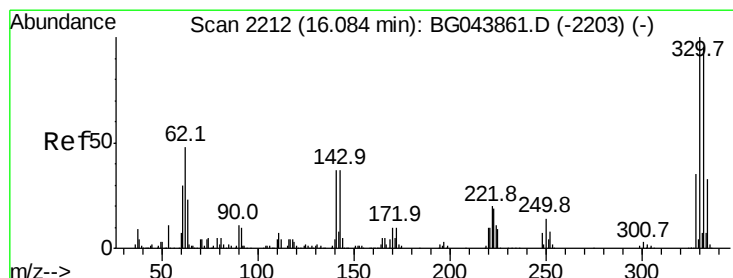
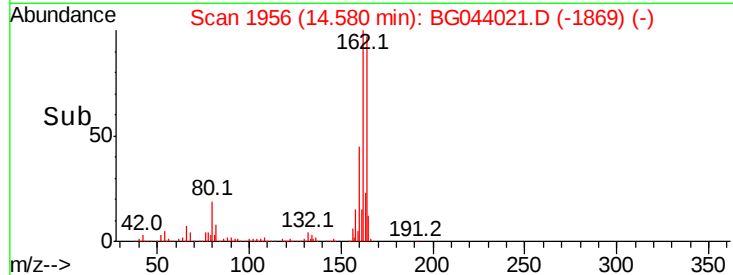
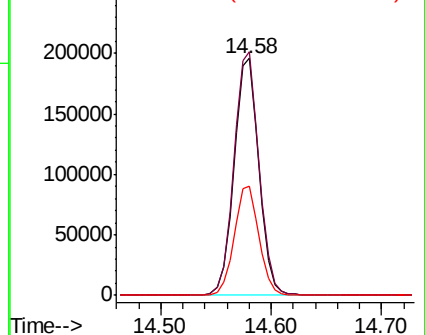
160 46.0 36.1 54.1



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: 157.801 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.02 min

Lab File: BG044021.D

Acq: 13 Jan 2020 20:59

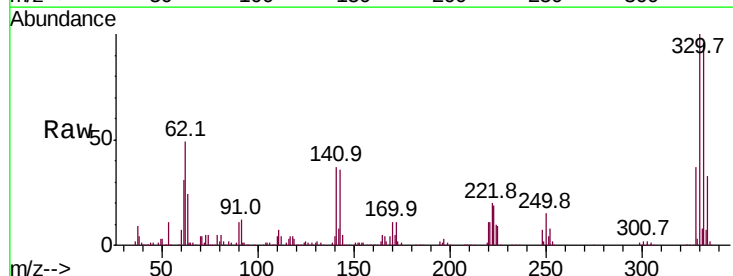
Tgt Ion:330 Resp: 510702

Ion Ratio Lower Upper

330 100

332 96.2 77.2 115.8

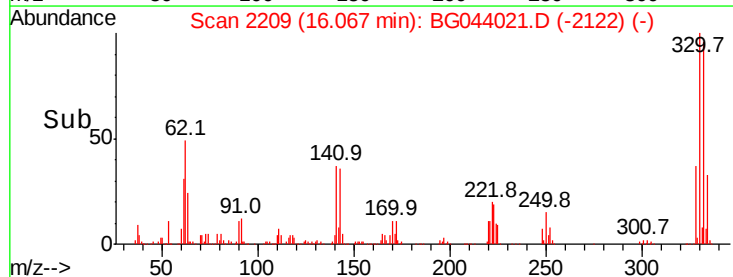
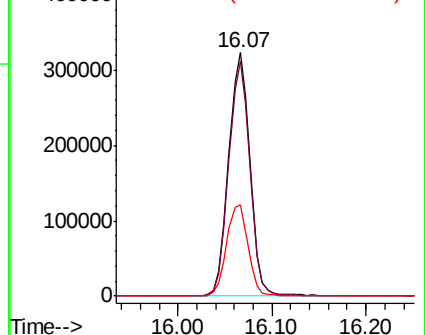
141 38.2 33.1 49.7

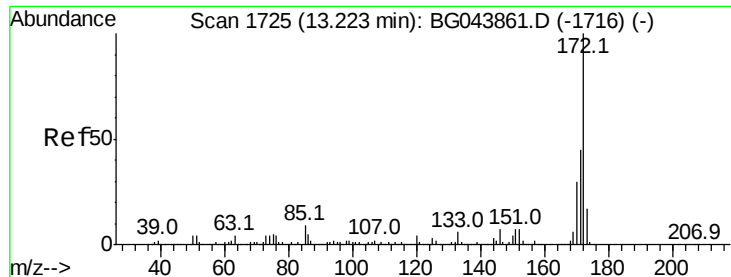


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



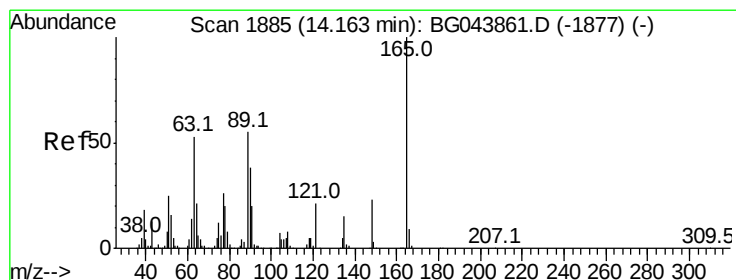
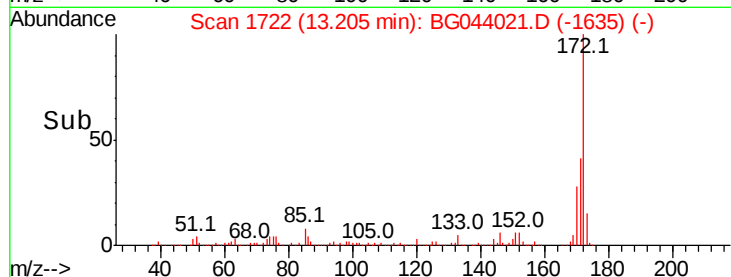
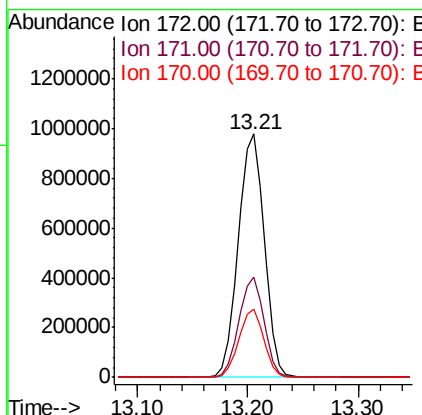
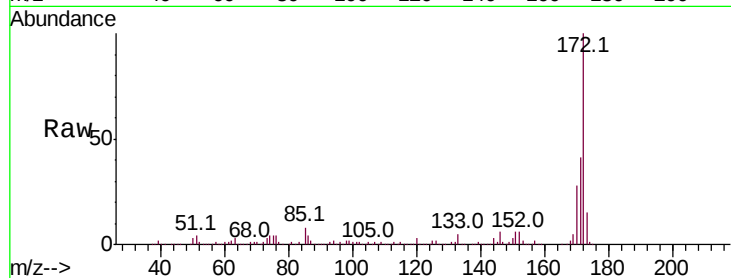


#45
 2-Fluorobiphenyl
 Concen: 95.312 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BG044021.D
 Acq: 13 Jan 2020 20:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1626946

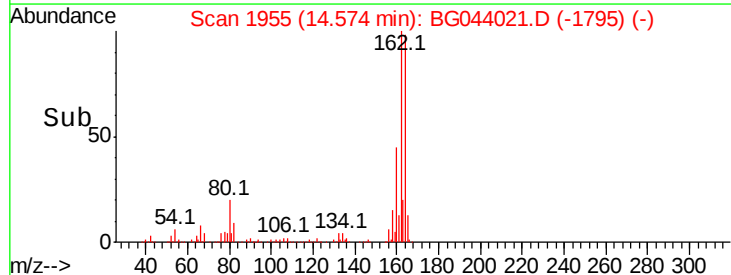
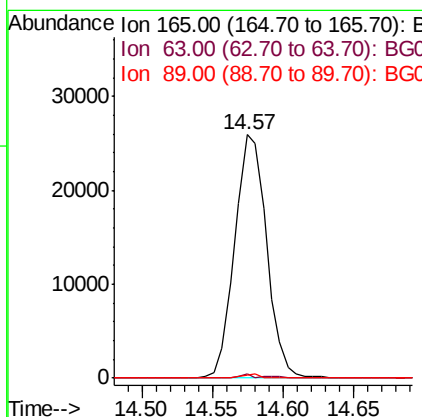
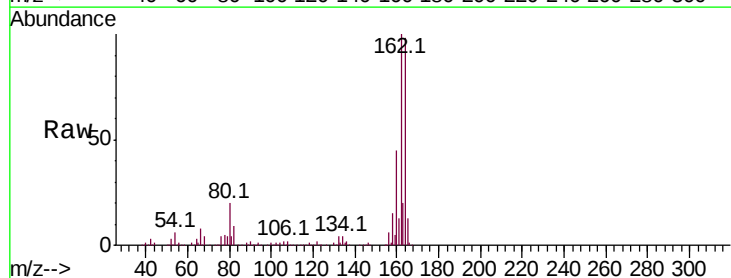
Ion	Ratio	Lower	Upper
172	100		
171	41.3	35.8	53.8
170	28.0	24.2	36.4

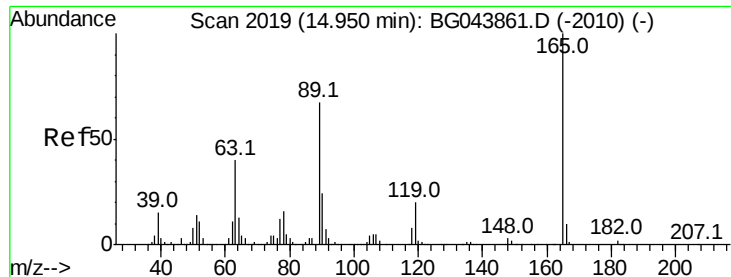


#51
 2,6-Dinitrotoluene
 Concen: 8.247 ng
 RT: 14.57 min Scan# 1955
 Delta R.T. 0.41 min
 Lab File: BG044021.D
 Acq: 13 Jan 2020 20:59

Tgt Ion:165 Resp: 40934

Ion	Ratio	Lower	Upper
165	100		
63	1.7	43.1	64.7#
89	1.0	43.8	65.6#

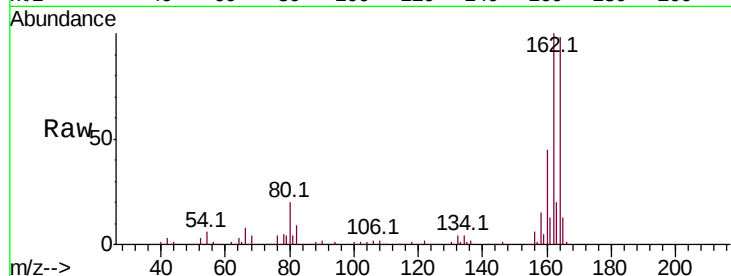




#57
 2,4-Dinitrotoluene
 Concen: 6.061 ng
 RT: 14.57 min Scan# 1955
 Delta R.T. -0.38 min
 Lab File: BG044021.D
 Acq: 13 Jan 2020 20:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	31.9	47.9#
89	1.0	53.8	80.6#
182	0.0	2.0	3.0#

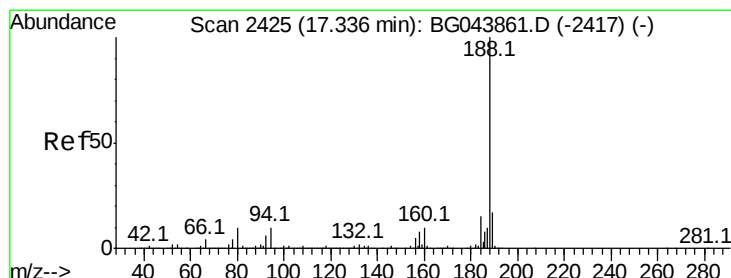
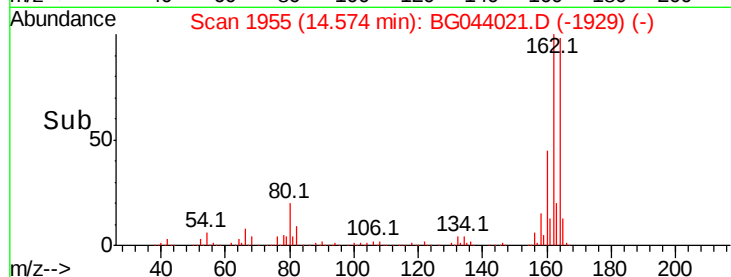
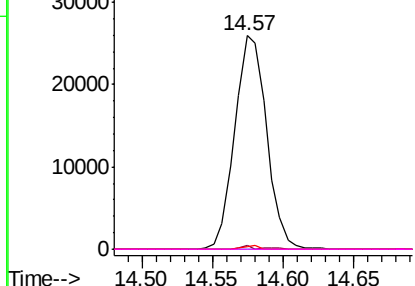


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

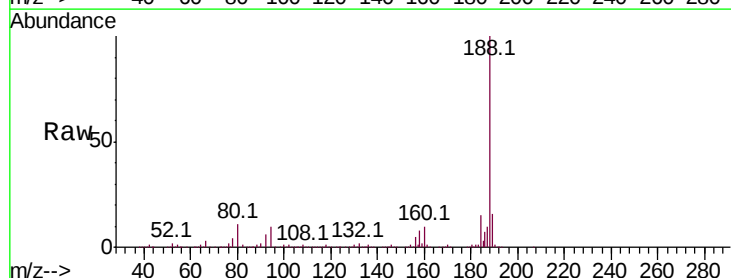
Ion 89.00 (88.70 to 89.70): BGC

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: BG044021.D
 Acq: 13 Jan 2020 20:59

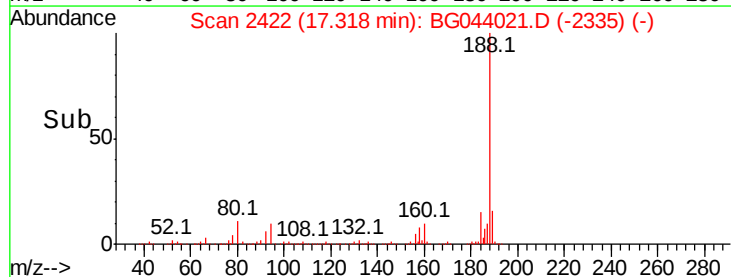
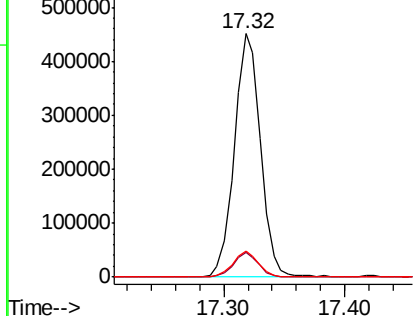
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.9	11.9
80	10.7	8.2	12.4

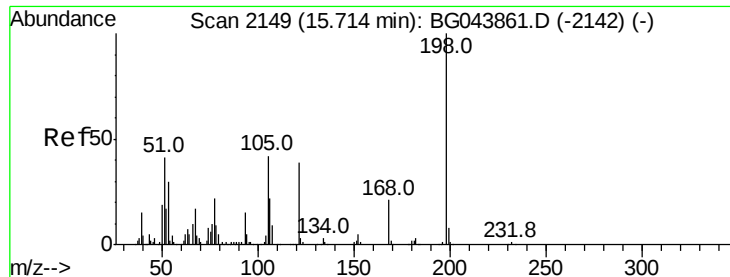


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

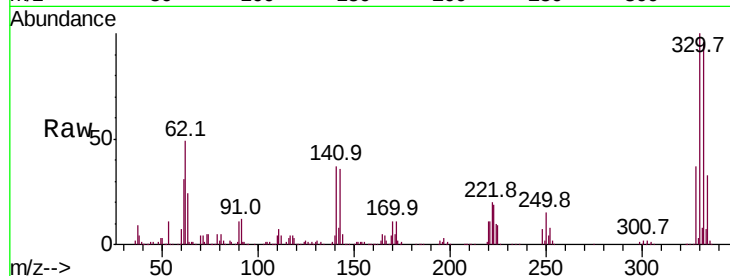




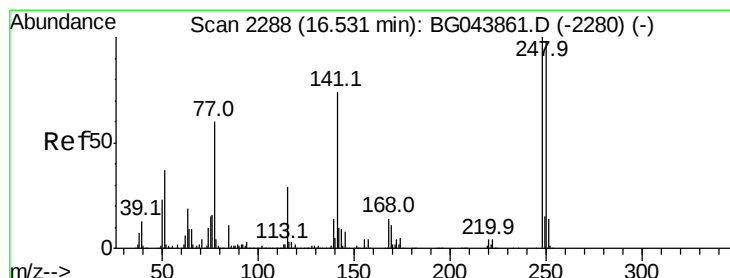
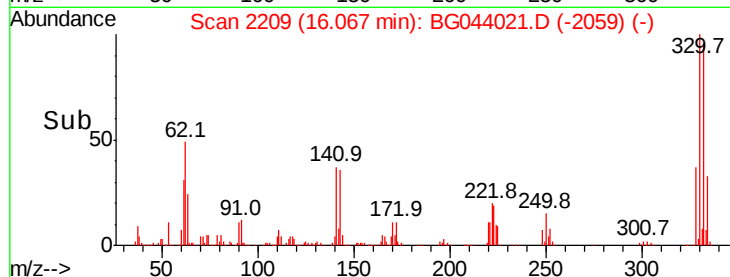
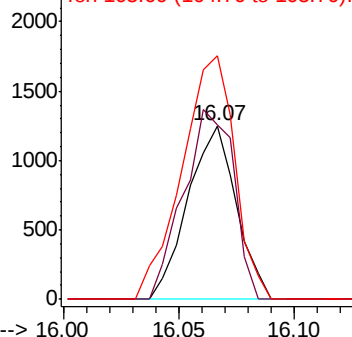
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.862 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. 0.35 min
 Lab File: BG044021.D
 Acq: 13 Jan 2020 20:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 1823
 Ion Ratio Lower Upper
 198 100
 51 100.5 22.5 62.5#
 105 140.2 22.3 62.3#

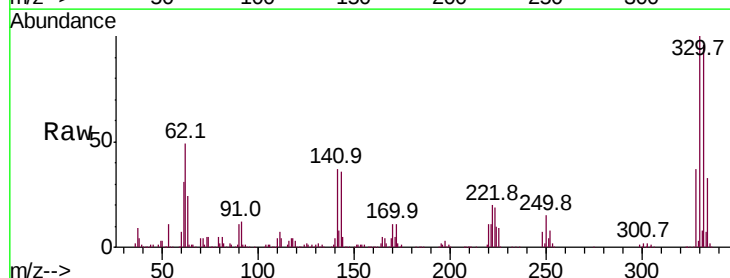


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

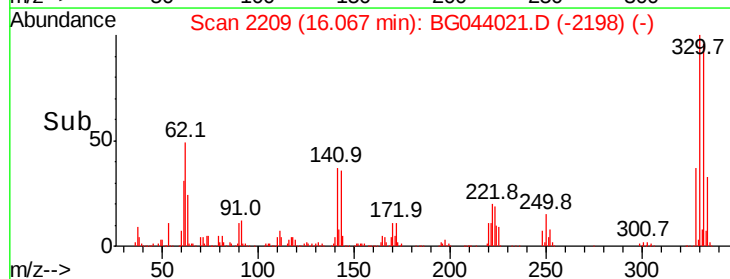
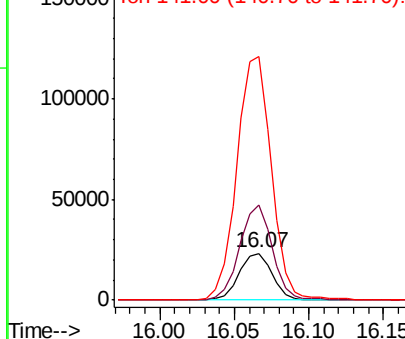


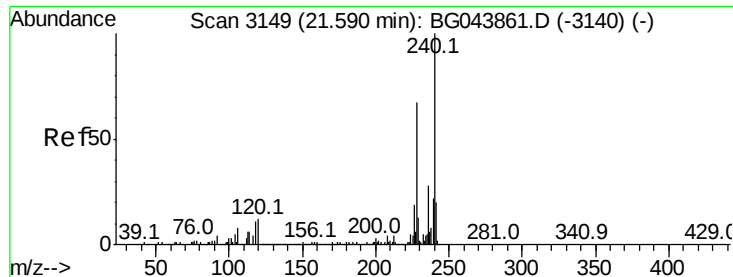
#67
 4-Bromophenyl-phenylether
 Concen: 4.690 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.46 min
 Lab File: BG044021.D
 Acq: 13 Jan 2020 20:59

Tgt Ion:248 Resp: 35879
 Ion Ratio Lower Upper
 248 100
 250 202.2 78.2 117.2#
 141 520.5 59.3 88.9#



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: 21.57 min Scan# 3145

Delta R.T. -0.02 min

Lab File: BG044021.D

Acq: 13 Jan 2020 20:59

Instrument :

BNA_G

ClientSampleId :

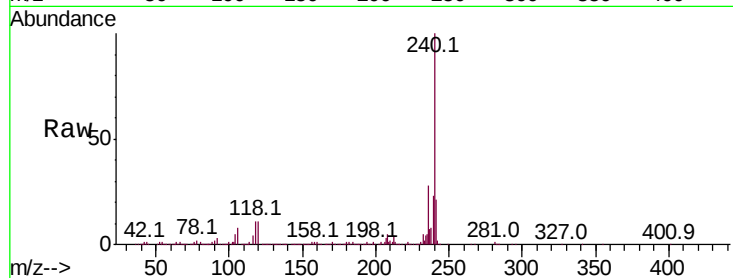
Tot Ion:240 Resp: 639430

Ion Ratio Lower Upper

240 100

120 11.4 9.6 14.4

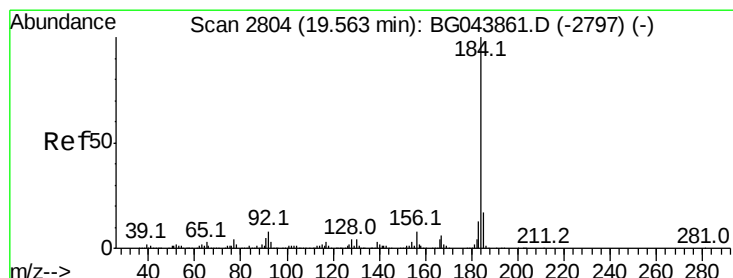
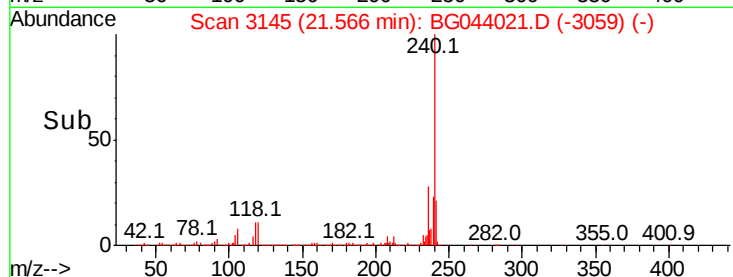
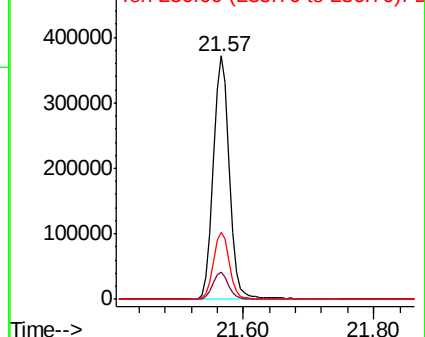
236 27.7 22.2 33.2



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: 3.005 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.38 min

Lab File: BG044021.D

Acq: 13 Jan 2020 20:59

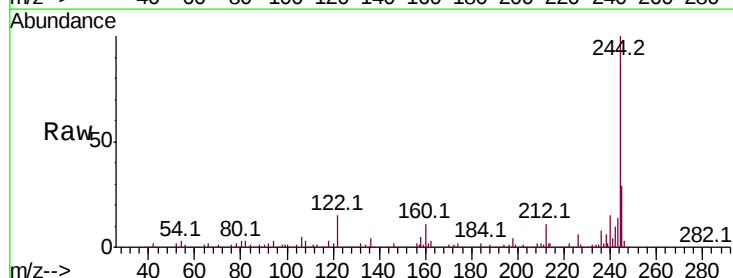
Tgt Ion:184 Resp: 48295

Ion Ratio Lower Upper

184 100

185 15.4 13.4 20.0

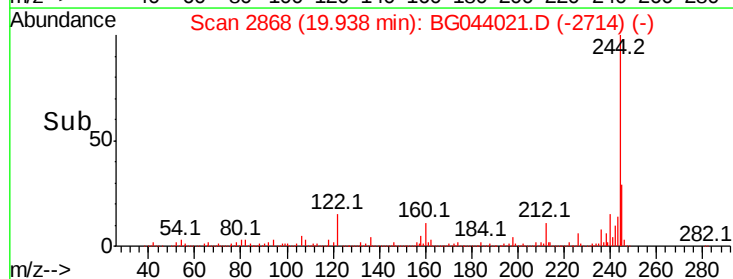
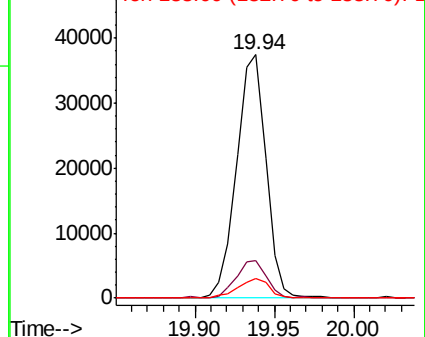
183 8.0 10.6 15.8#

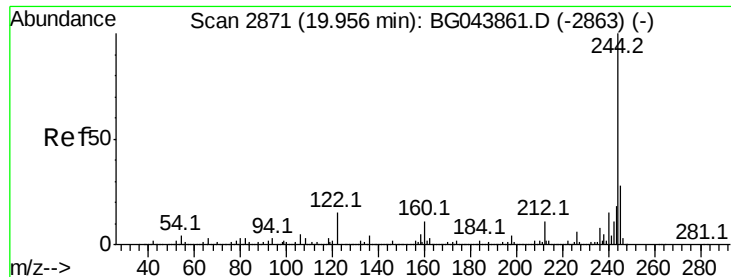


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



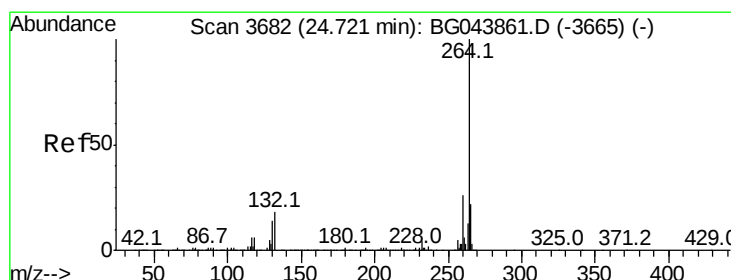
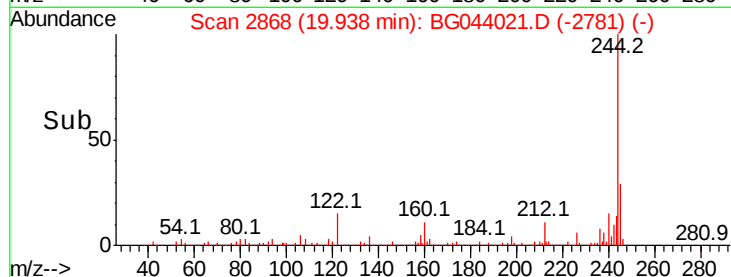
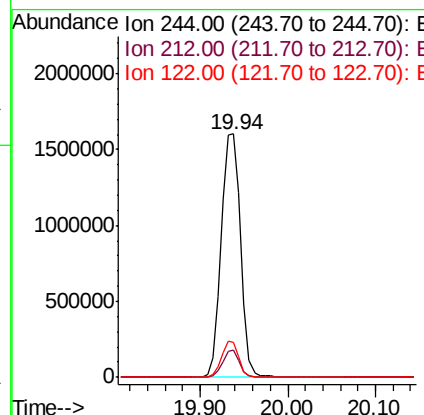
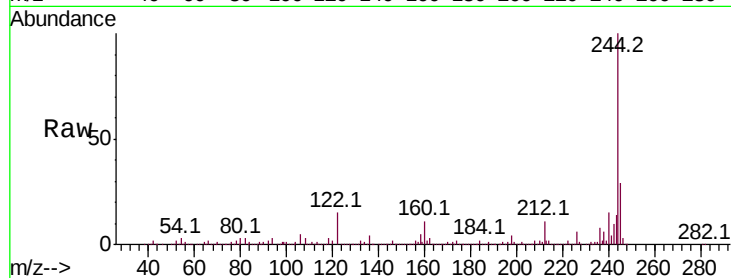


#79
 Terphenyl-d14
 Concen: 95.932 ng
 RT: 19.94 min Scan# 2868
 Delta R.T. -0.02 min
 Lab File: BG044021.D
 Acq: 13 Jan 2020 20:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 2461330

Ion	Ratio	Lower	Upper
244	100		
212	11.1	8.6	13.0
122	14.6	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: BG044021.D
 Acq: 13 Jan 2020 20:59

Tgt Ion:264 Resp: 700328

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.4	30.6
265	21.6	17.4	26.2

