

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
 Data File : BG046004.D
 Acq On : 10 Jul 2020 13:00
 Operator : CG/JU
 Sample : PB130070TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB130070TB

Quant Time: Jul 10 13:46:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

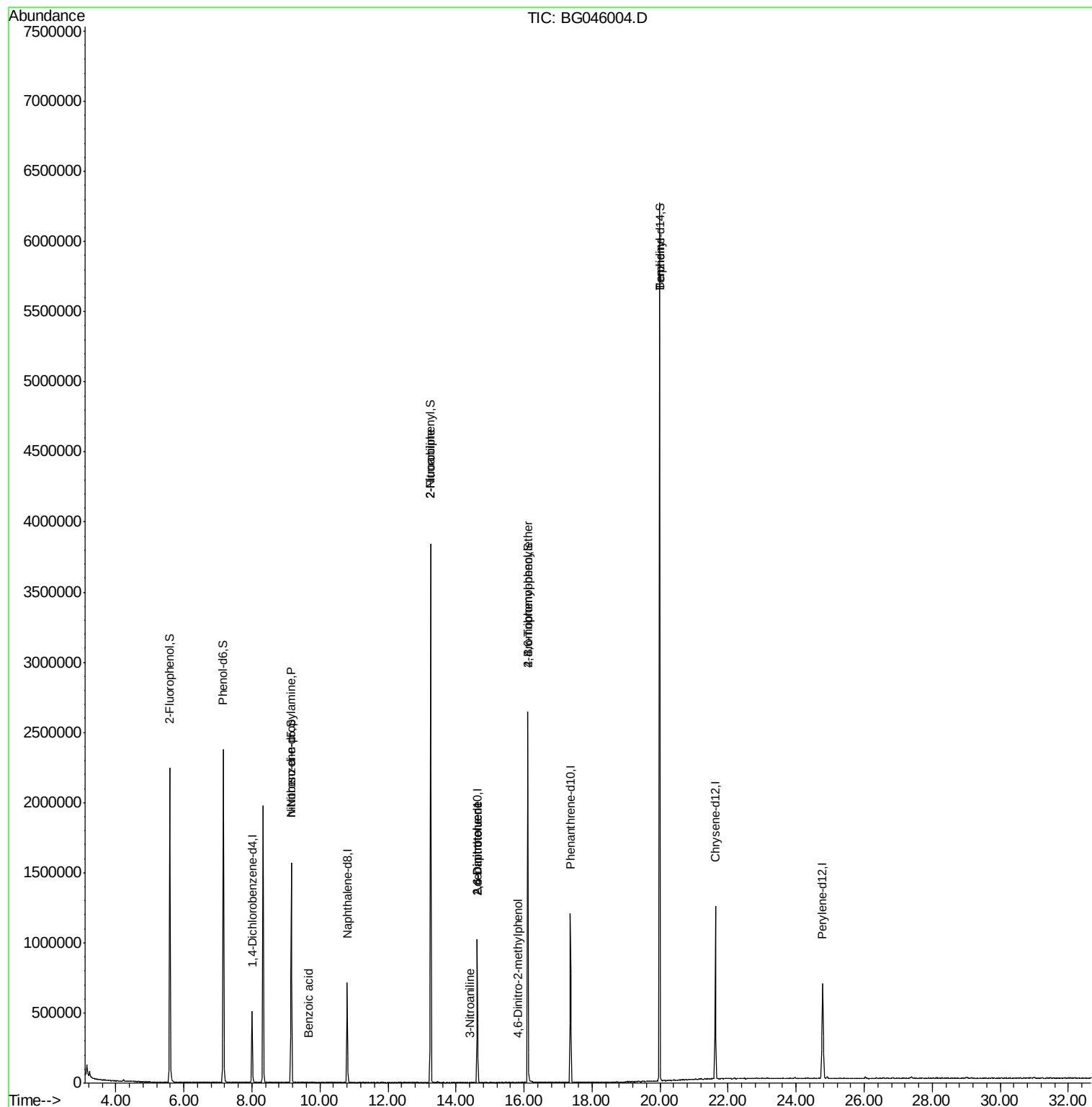
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	150204	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	581348	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	343410	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	701791	20.00	ng	0.00
76) Chrysene-d12	21.62	240	659680	20.00	ng	0.00
86) Perylene-d12	24.78	264	639677	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1084063	117.04	ng	0.00
7) Phenol-d6	7.16	99	1482620	111.18	ng	0.00
23) Nitrobenzene-d5	9.16	82	1006614	99.66	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	399634	125.39	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1875741	85.20	ng	0.00
79) Terphenyl-d14	19.98	244	2577526	86.96	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.16	70	134025	14.307	ng	# 79
32) Benzoic acid	9.67	122	91	6.521	ng	# 1
48) 2-Nitroaniline	13.25	65	3972	4.016	ng	# 12
51) 2,6-Dinitrotoluene	14.63	165	44964	12.393	ng	# 18
53) 3-Nitroaniline	14.40	138	54	2.992	ng	# 1
57) 2,4-Dinitrotoluene	14.63	165	44964	10.938	ng	# 20
65) 4,6-Dinitro-2-methylphenol	15.82	198	56	6.810	ng	# 4
67) 4-Bromophenyl-phenylether	16.11	248	27974	3.569	ng	# 1
77) Benzidine	19.98	184	51187	2.714	ng	# 89

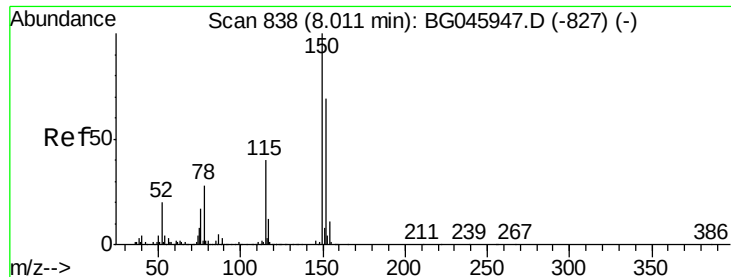
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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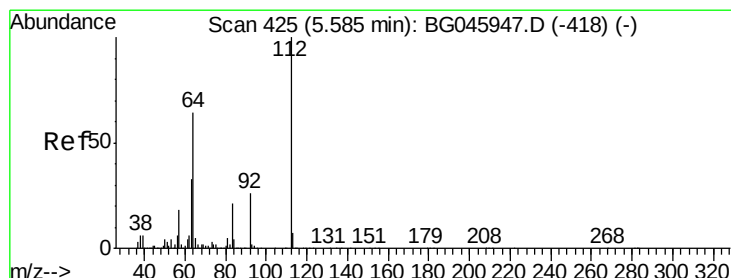
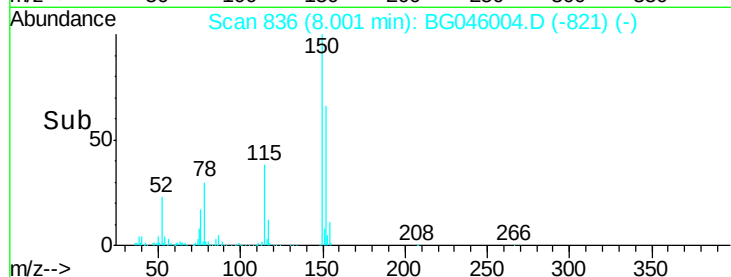
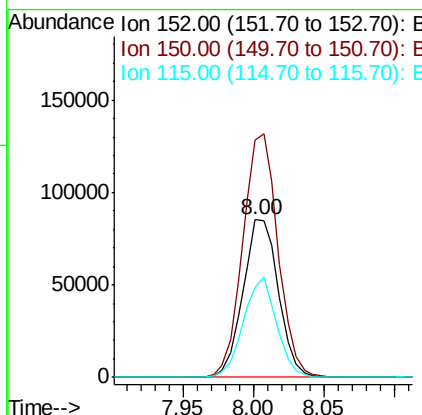
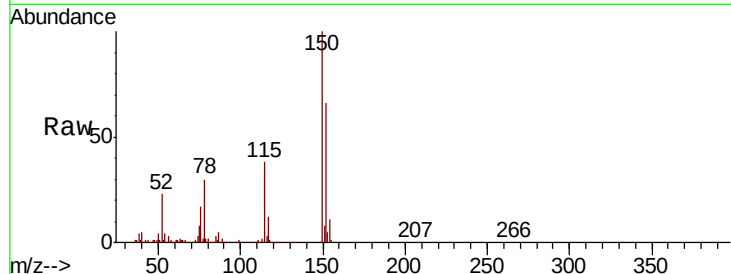


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG046004.D
Acq: 10 Jul 2020 13:00

Instrument :
BNA_G
ClientSampleId :
PB130070TB

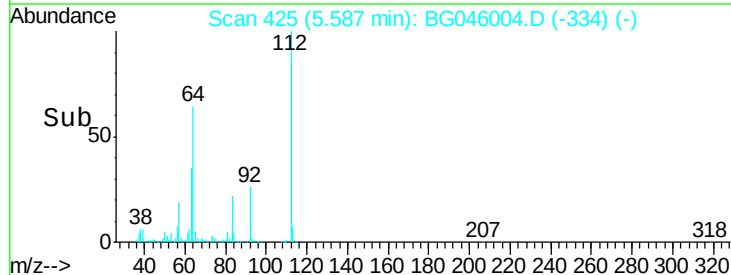
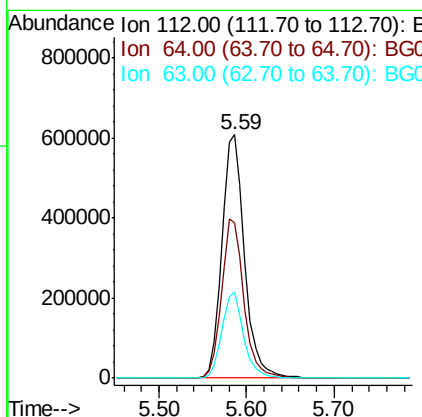
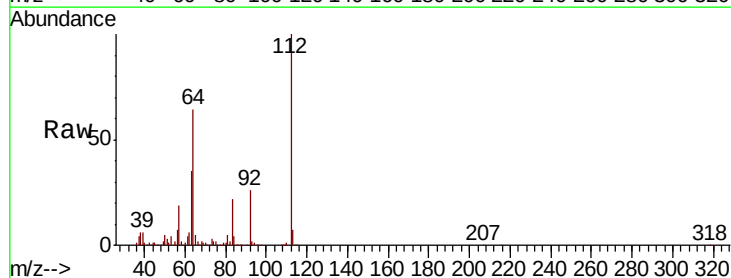
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	116.7	175.1
115	57.5	47.4	71.0

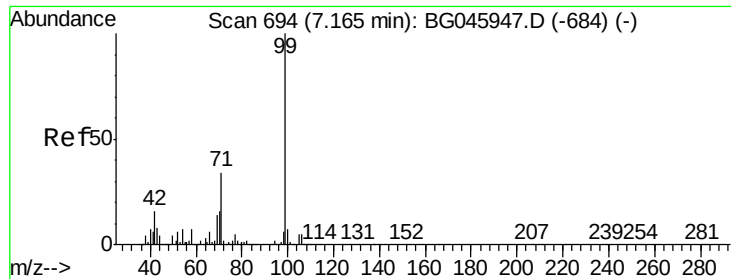


#5

2-Fluorophenol
Concen: 117.040 ng
RT: 5.59 min Scan# 425
Delta R.T. 0.00 min
Lab File: BG046004.D
Acq: 10 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	51.4	77.2
63	35.5	26.6	40.0





#7

Phenol-d6

Concen: 111.182 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

Instrument :

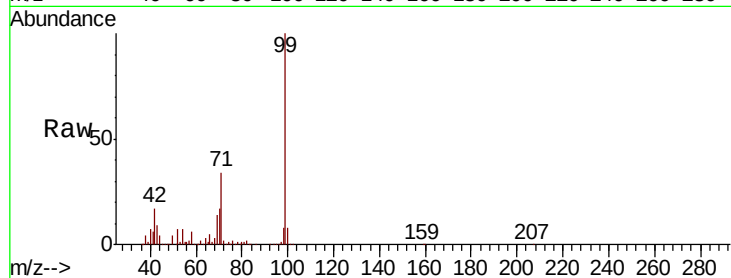
BNA_G

ClientSampleId :

PB130070TB

Tot Ion: 99 Resp: 1482620

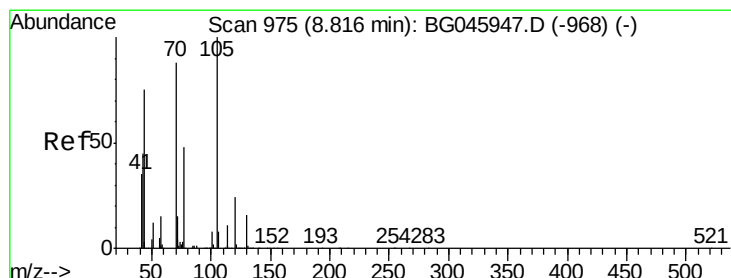
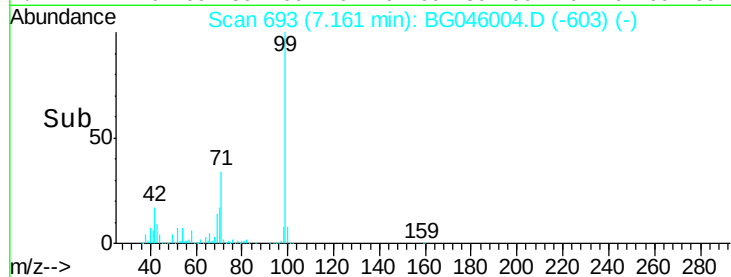
Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.0	19.4
71	34.3	27.5	41.3



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: 14.307 ng

RT: 9.16 min Scan# 1033

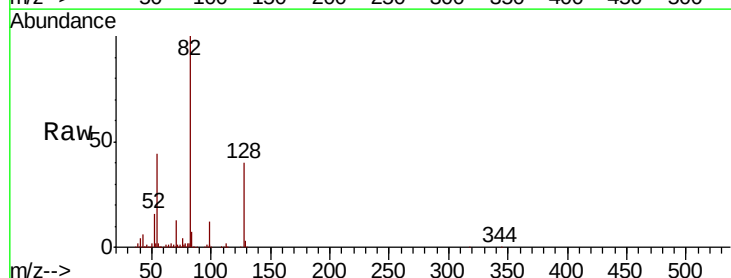
Delta R.T. 0.34 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

Tgt Ion: 70 Resp: 134025

Ion	Ratio	Lower	Upper
70	100		
42	41.8	41.4	62.0
101	0.0	7.1	10.7#
130	1.6	14.9	22.3#

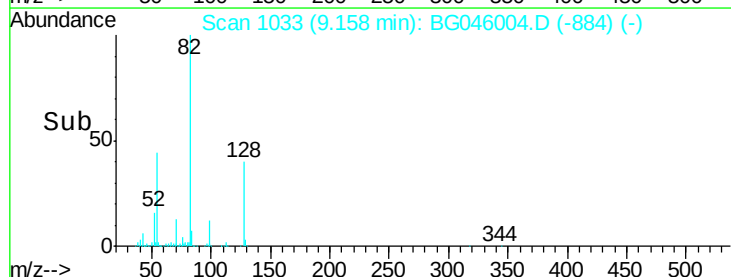


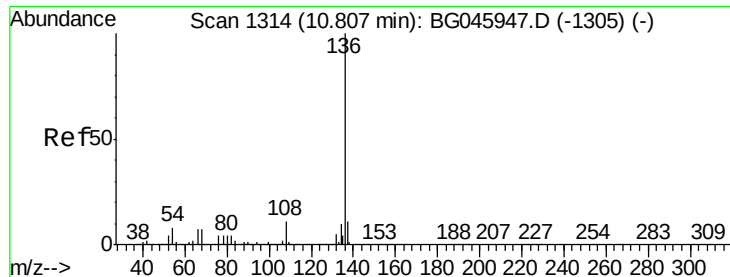
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

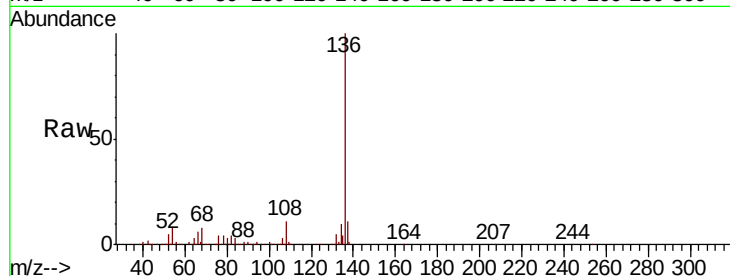




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG046004.D
Acq: 10 Jul 2020 13:00

Instrument :
BNA_G
ClientSampleId :
PB130070TB

Tot Ion:136	Resp:	581348	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	9.2	13.8	
54 7.9	6.2	9.4	
68 7.9	5.8	8.8	



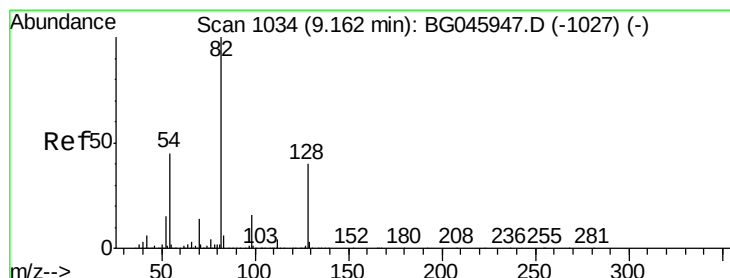
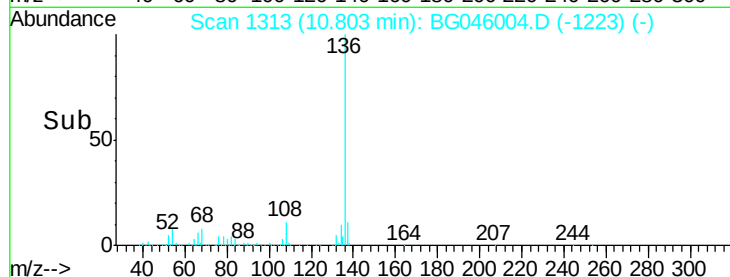
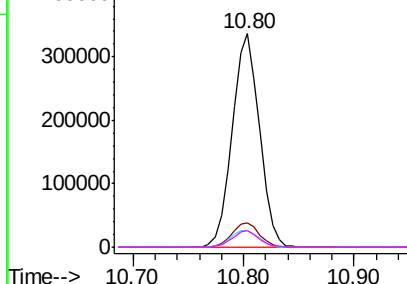
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

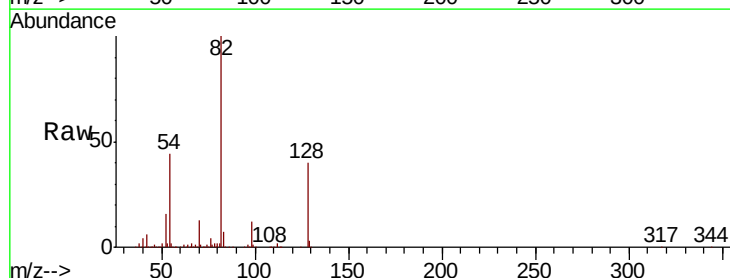
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 99.663 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BG046004.D
Acq: 10 Jul 2020 13:00

Tgt Ion: 82	Resp: 1006614
Ion Ratio	Lower Upper
82 100	
128 40.2	32.2 48.4
54 43.9	35.8 53.6

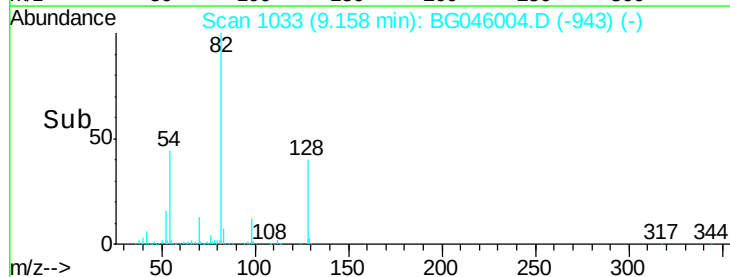
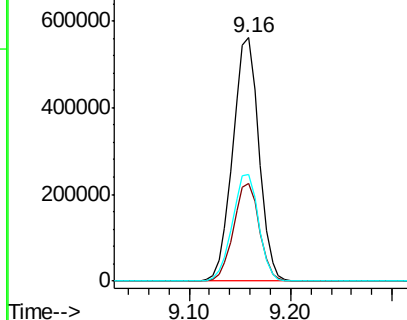


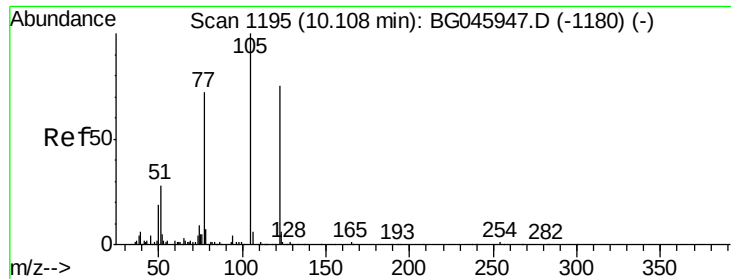
Abundance

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

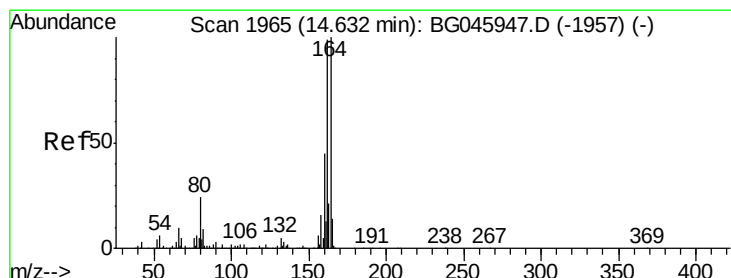
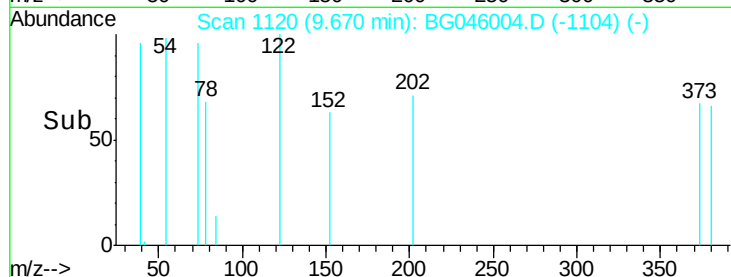
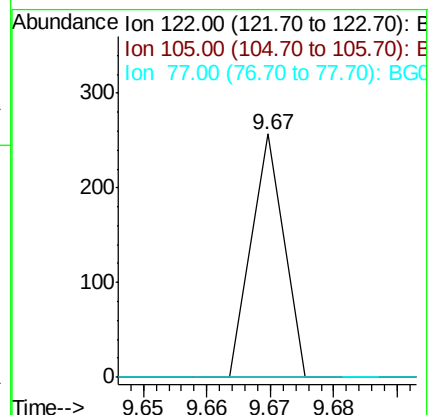
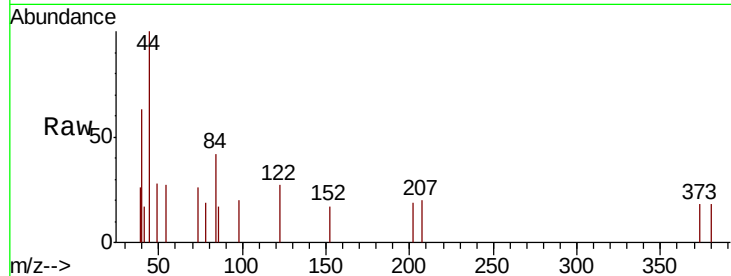




#32
Benzoic acid
Concen: 6.521 ng
RT: 9.67 min Scan# 1120
Delta R.T. -0.44 min
Lab File: BG046004.D
Acq: 10 Jul 2020 13:00

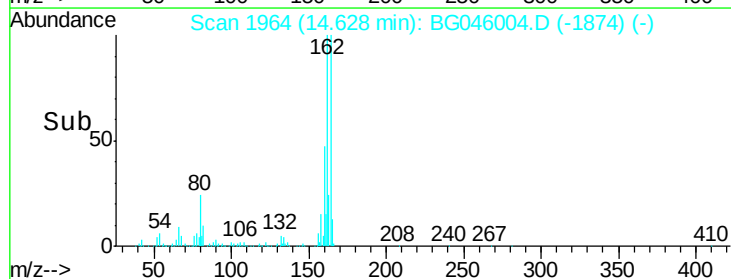
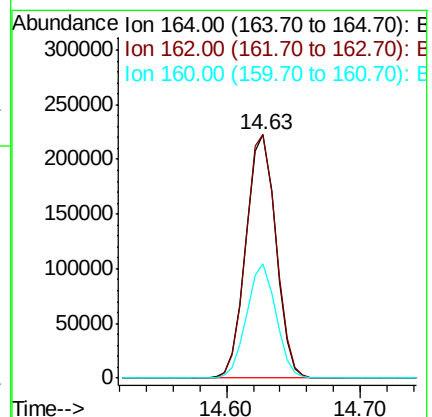
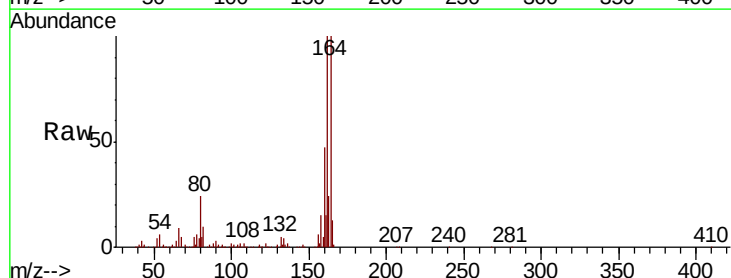
Instrument :
BNA_G
ClientSampleId :
PB130070TB

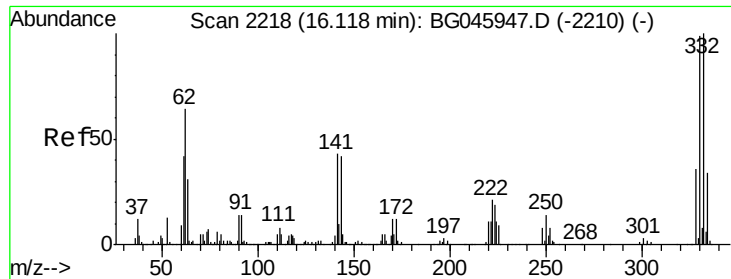
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	110.8	150.8#
77	0.0	76.4	116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG046004.D
Acq: 10 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.3	118.9
160	47.0	35.7	53.5





#42

2,4,6-Tribromophenol

Concen: 125.387 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

Instrument :

BNA_G

ClientSampleId :

PB130070TB

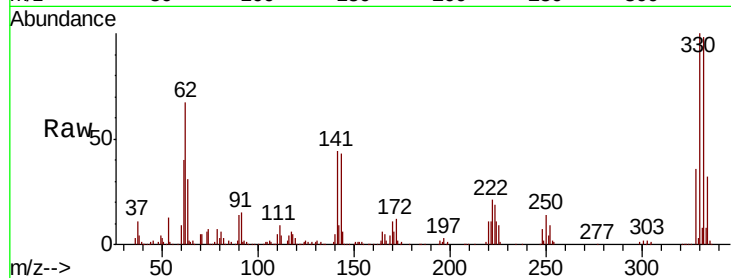
Tot Ion:330 Resp: 399634

Ion Ratio Lower Upper

330 100

332 96.6 78.3 117.5

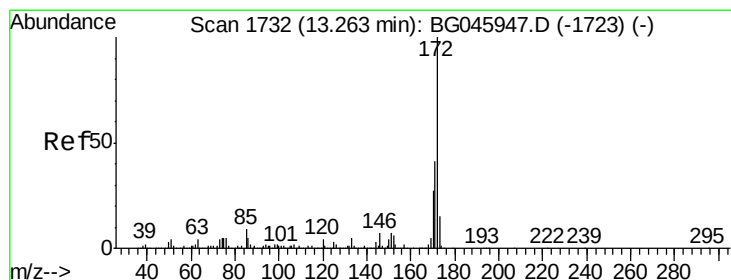
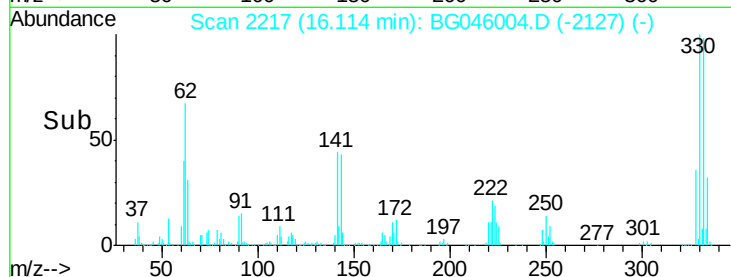
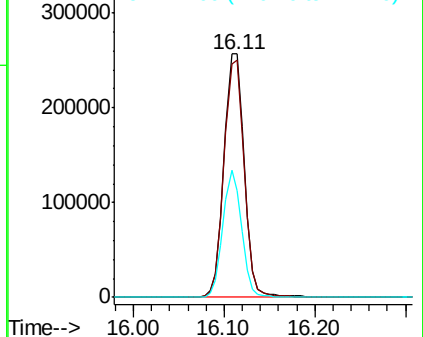
141 48.4 36.6 54.8



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: 85.199 ng

RT: 13.25 min Scan# 1730

Delta R.T. -0.01 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

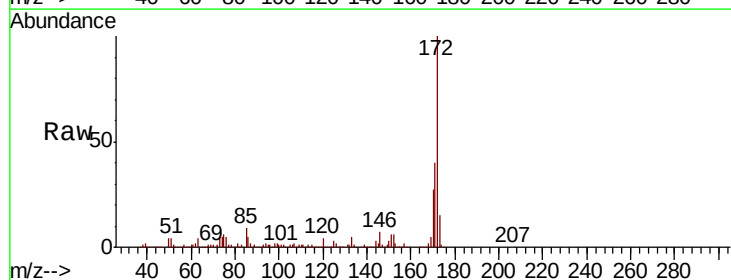
Tgt Ion:172 Resp: 1875741

Ion Ratio Lower Upper

172 100

171 40.4 32.9 49.3

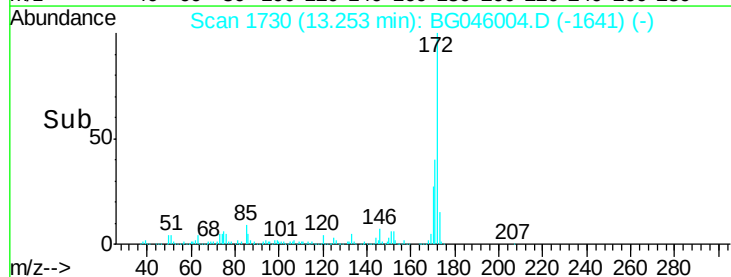
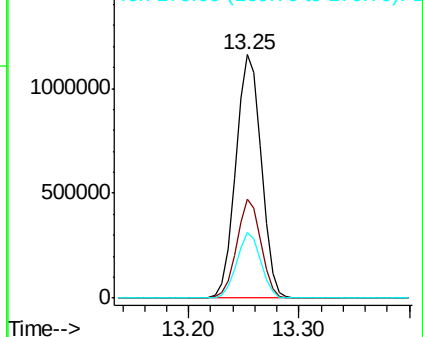
170 27.1 21.8 32.6

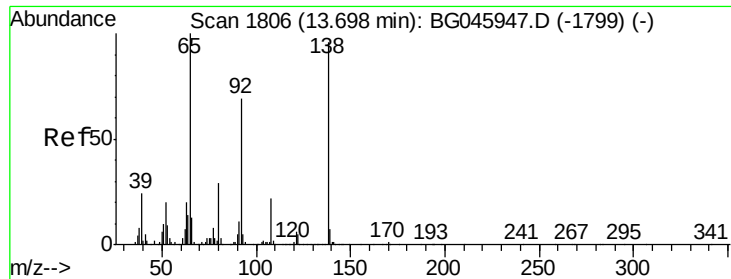


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

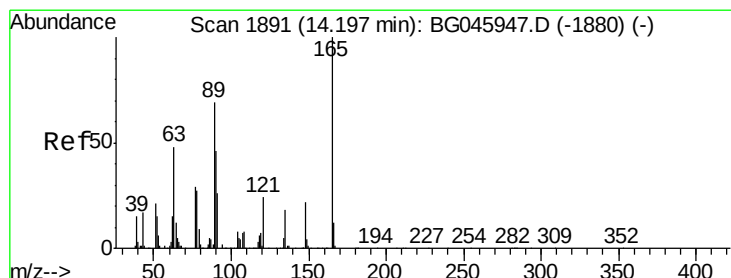
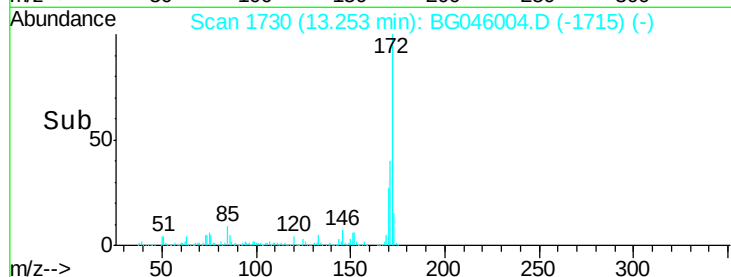
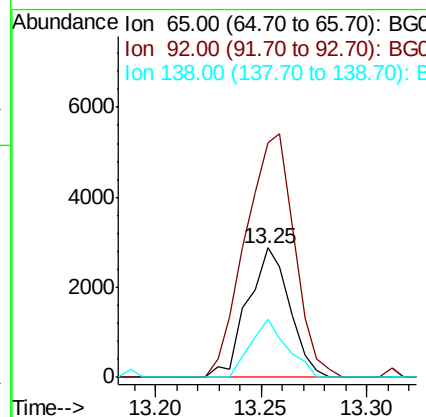
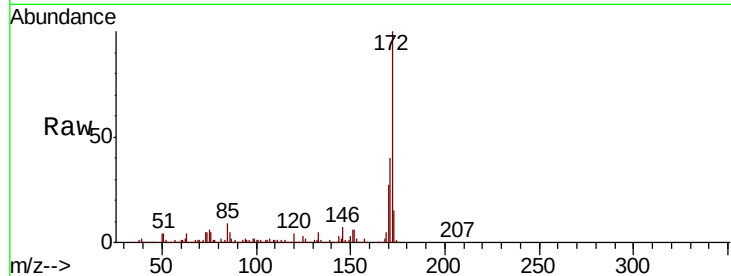




#48
2-Nitroaniline
Concen: 4.016 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.44 min
Lab File: BG046004.D
Acq: 10 Jul 2020 13:00

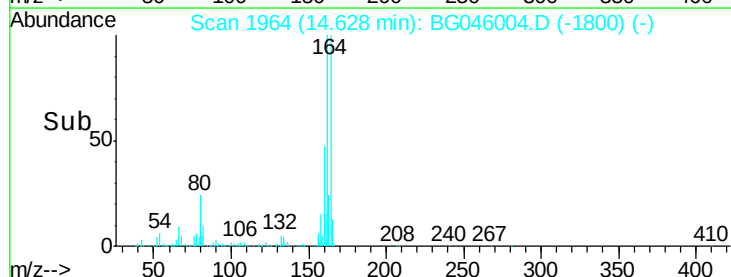
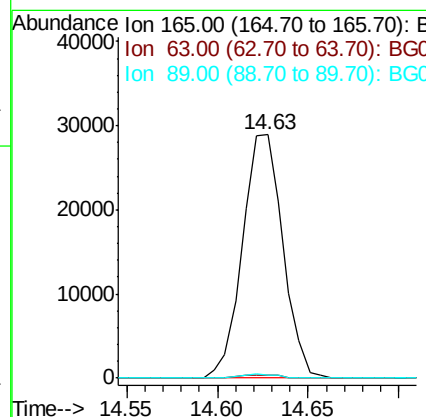
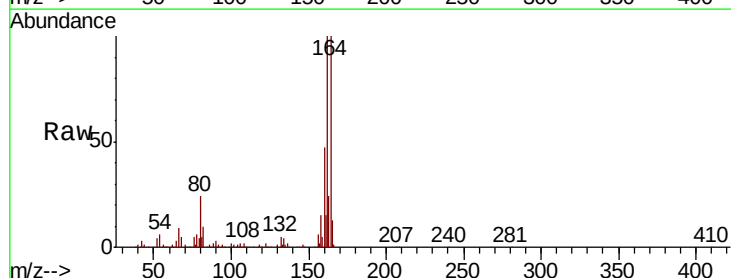
Instrument :
BNA_G
ClientSampleId :
PB130070TB

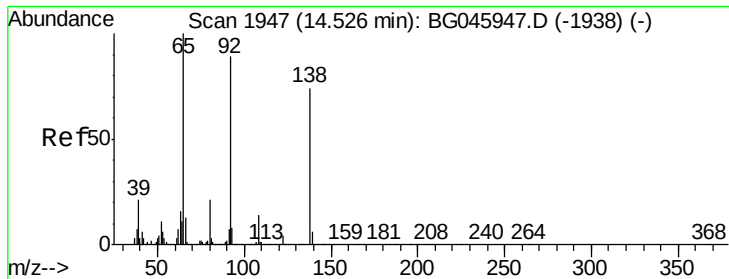
Tot Ion	Ratio	Lower	Upper
65	100		
92	181.2	55.4	83.0#
138	44.6	77.0	115.4#



#51
2,6-Dinitrotoluene
Concen: 12.393 ng
RT: 14.63 min Scan# 1964
Delta R.T. 0.43 min
Lab File: BG046004.D
Acq: 10 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	51.0	76.4#
89	1.2	55.7	83.5#





#53

3-Nitroaniline

Concen: 2.992 ng

RT: 14.40 min Scan# 1926

Delta R.T. -0.12 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

Instrument :

BNA_G

ClientSampleId :

PB130070TB

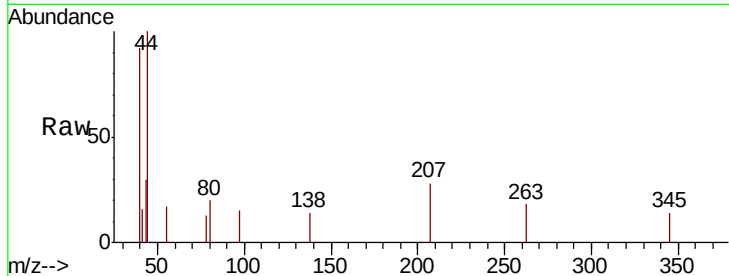
Tot Ion:138 Resp: 54

Ion Ratio Lower Upper

138 100

108 0.0 15.4 23.2#

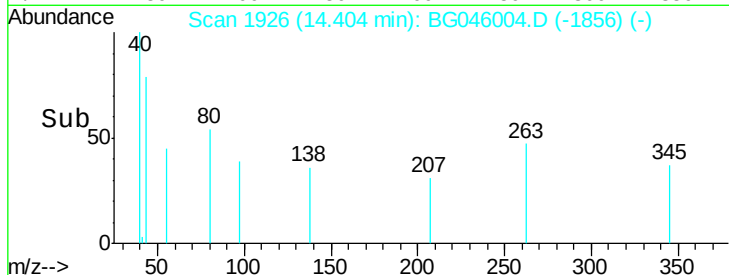
92 0.0 95.9 143.9#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



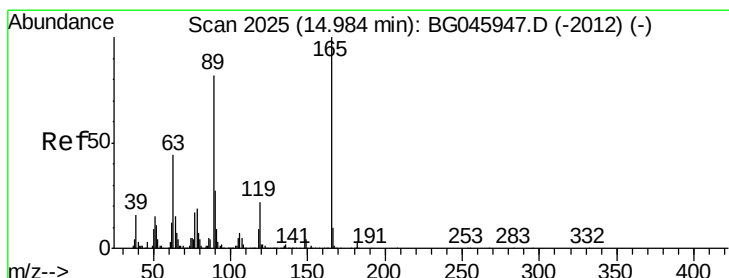
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

14.40

Time-->



#57

2,4-Dinitrotoluene

Concen: 10.938 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.36 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

Tgt Ion:165 Resp: 44964

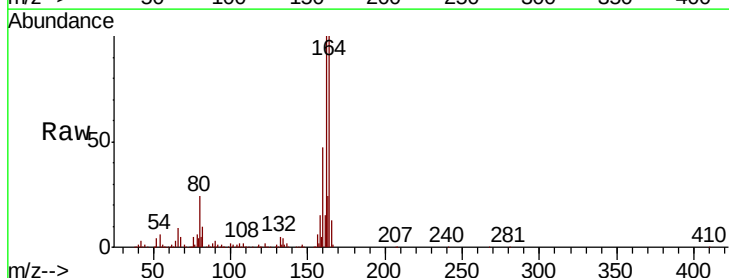
Ion Ratio Lower Upper

165 100

63 1.3 35.4 53.0#

89 1.2 65.4 98.2#

182 0.0 2.0 3.0#

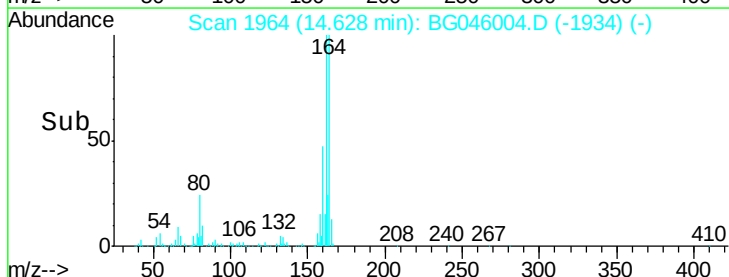


Abundance Ion 165.00 (164.70 to 165.70): E

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



Abundance Ion 165.00 (164.70 to 165.70): E

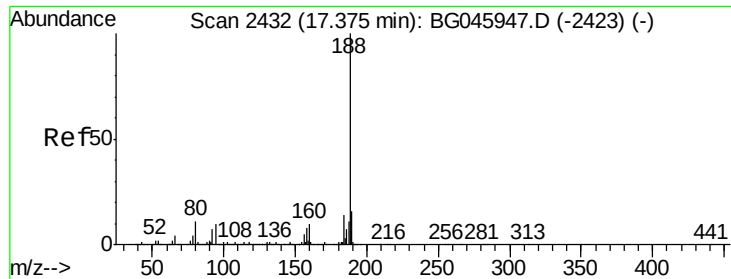
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.63

Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

Instrument :

BNA_G

ClientSampleId :

PB130070TB

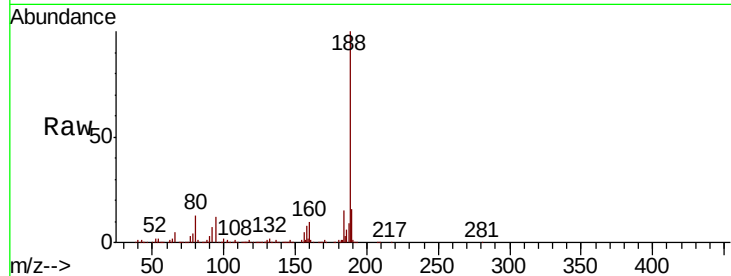
Tot Ion:188 Resp: 701791

Ion Ratio Lower Upper

188 100

94 11.7 8.2 12.4

80 12.9 9.0 13.6



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

600000

500000

400000

300000

200000

100000

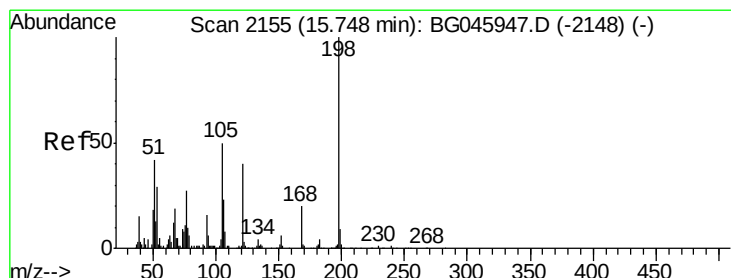
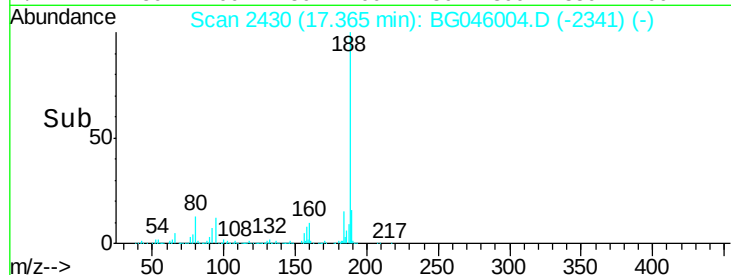
0

17.36

17.30

17.40

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 6.810 ng

RT: 15.82 min Scan# 2167

Delta R.T. 0.07 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

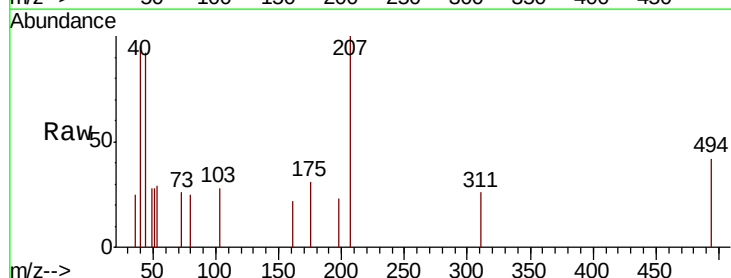
Tgt Ion:198 Resp: 56

Ion Ratio Lower Upper

198 100

51 124.4 24.5 64.5#

105 0.0 30.9 70.9#



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

250

200

150

100

50

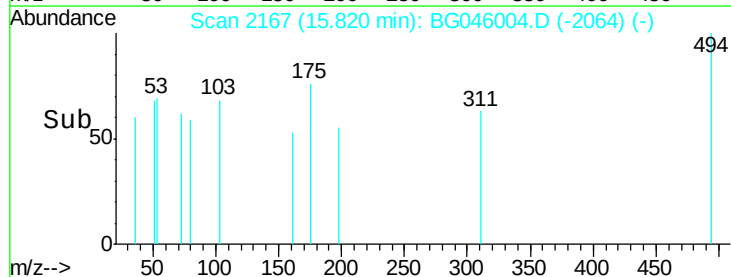
0

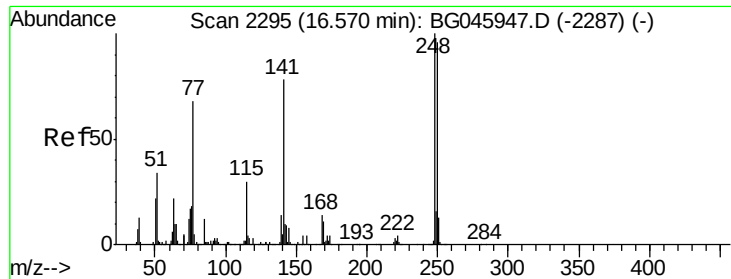
15.82

15.80

15.82

Time-->

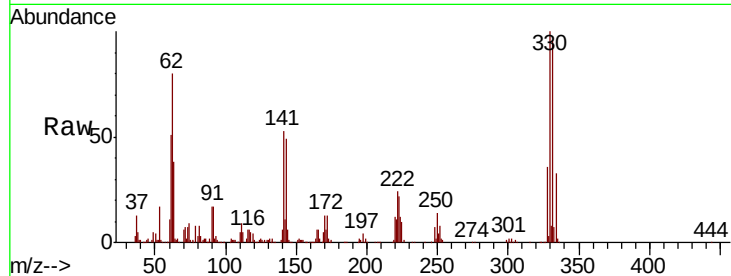




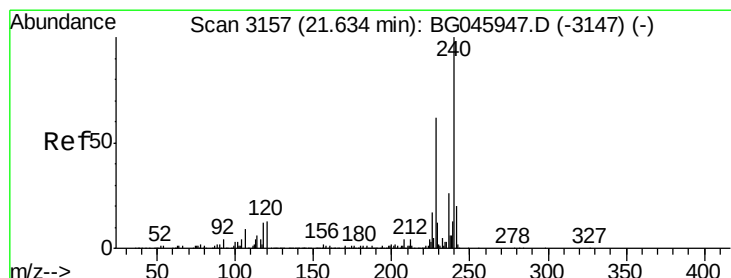
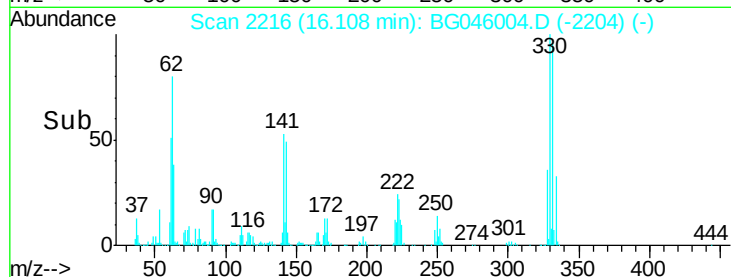
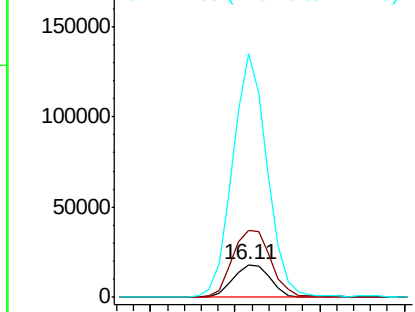
#67
 4-Bromophenyl-phenylether
 Concen: 3.569 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.46 min
 Lab File: BG046004.D
 Acq: 10 Jul 2020 13:00

Instrument :
 BNA_G
 ClientSampleId :
 PB130070TB

Tot Ion:248 Resp: 27974
 Ion Ratio Lower Upper
 248 100
 250 206.6 76.6 114.8#
 141 749.8 62.7 94.1#

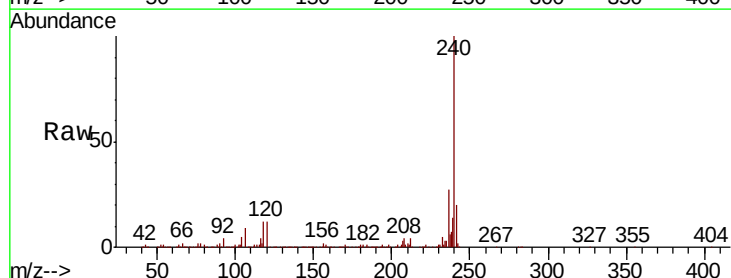


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

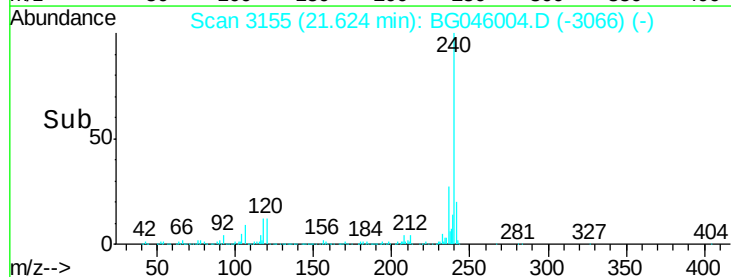
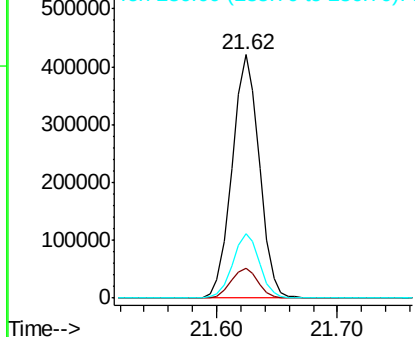


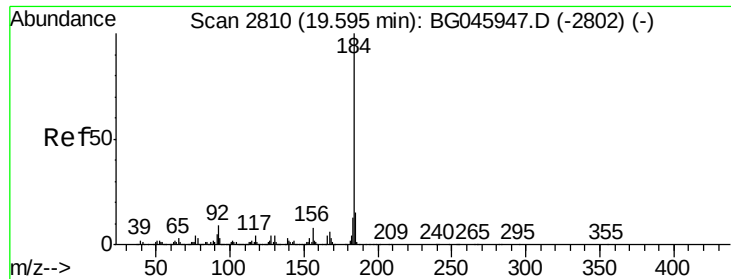
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.62 min Scan# 3155
 Delta R.T. -0.01 min
 Lab File: BG046004.D
 Acq: 10 Jul 2020 13:00

Tgt Ion:240 Resp: 659680
 Ion Ratio Lower Upper
 240 100
 120 12.5 10.6 16.0
 236 26.6 20.4 30.6



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: 2.714 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.39 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

Instrument :

BNA_G

ClientSampleId :

PB130070TB

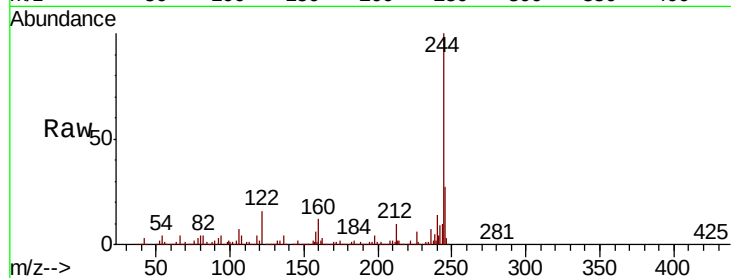
Tot Ion:184 Resp: 51187

Ion Ratio Lower Upper

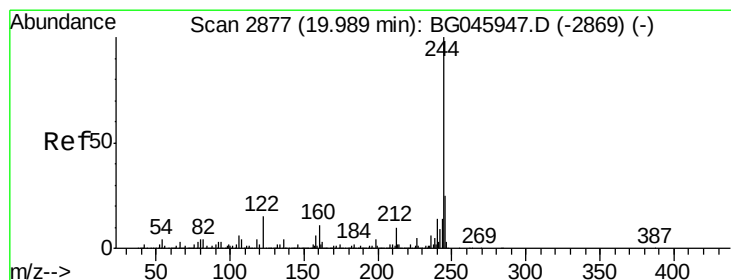
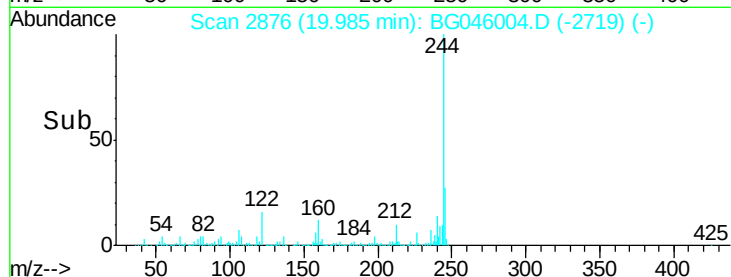
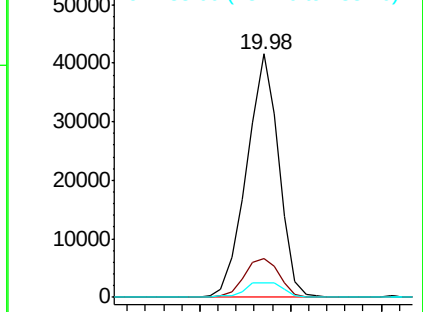
184 100

185 16.0 11.6 17.4

183 5.7 10.4 15.6#



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: 86.956 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

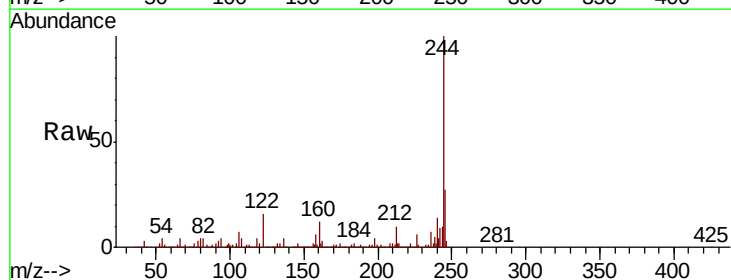
Tgt Ion:244 Resp: 2577526

Ion Ratio Lower Upper

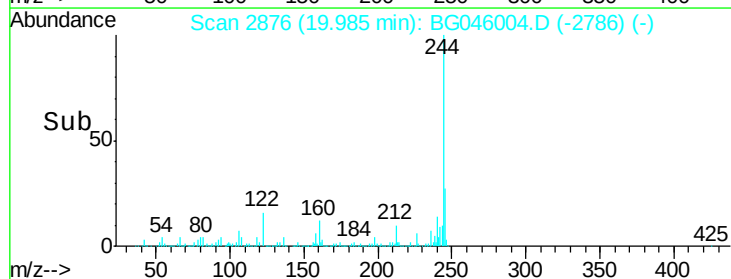
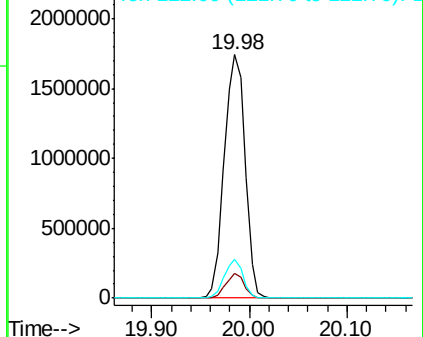
244 100

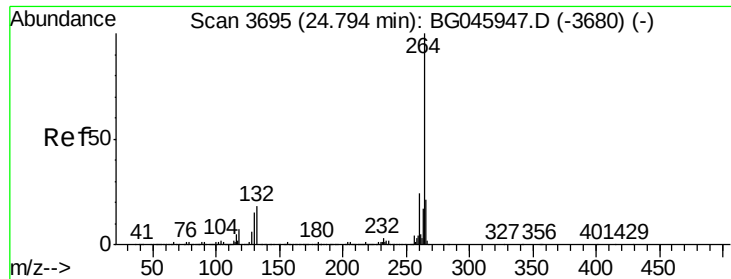
212 10.2 8.3 12.5

122 16.1 12.1 18.1



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





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3692
Delta R.T. -0.02 min
Lab File: BG046004.D
Acq: 10 Jul 2020 13:00

Instrument :
BNA_G
ClientSampleId :
PB130070TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.0	28.6
265	22.0	16.9	25.3

