

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG052120\
 Data File : BG045444.D
 Acq On : 21 May 2020 17:41
 Operator : CG/JU
 Sample : L2506-17
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-052020

Quant Time: May 21 18:17:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 14:43:36 2020
 Response via : Initial Calibration

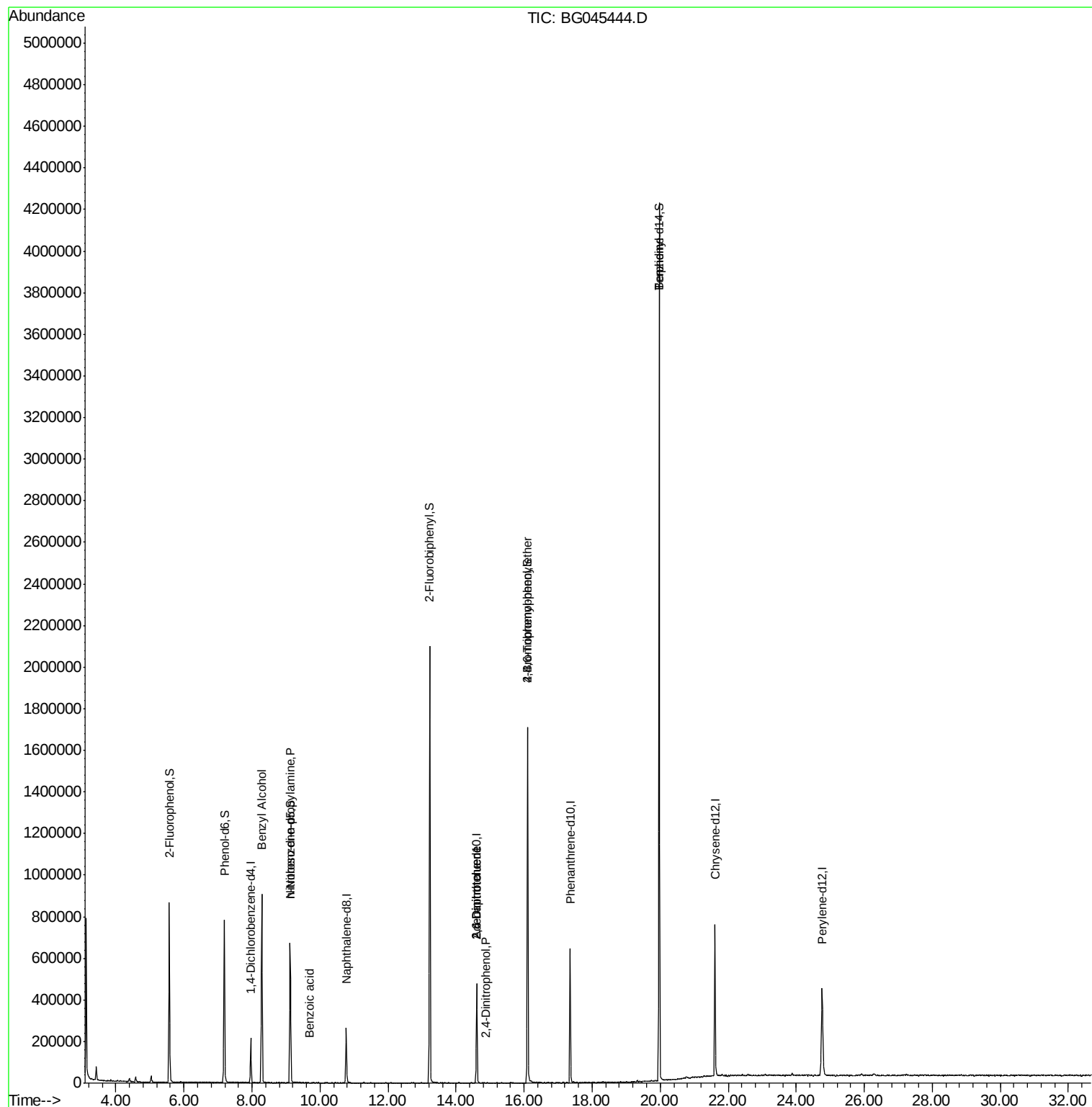
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	60945	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	239339	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	182300	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	434689	20.00	ng	0.00
76) Chrysene-d12	21.61	240	463692	20.00	ng	0.00
87) Perylene-d12	24.76	264	489891	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	415956	133.38	ng	0.00
7) Phenol-d6	7.19	99	532711	120.02	ng	0.00
23) Nitrobenzene-d5	9.12	82	462495	105.38	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	374152	160.48	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1127673	104.92	ng	0.00
79) Terphenyl-d14	19.97	244	2098264	105.54	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.29	79	7833	2.136	ng	# 46
19) n-Nitroso-di-n-propylamine	9.12	70	61616	20.075	ng	# 83
32) Benzoic acid	9.70	122	87	10.056	ng	# 1
51) 2,6-Dinitrotoluene	14.60	165	23094	8.184	ng	# 22
54) 2,4-Dinitrophenol	14.87	184	61	5.490	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	23094	5.651	ng	# 22
67) 4-Bromophenyl-phenylether	16.10	248	24051	5.110	ng	# 1
77) Benzidine	19.97	184	39916	3.065	ng	# 88

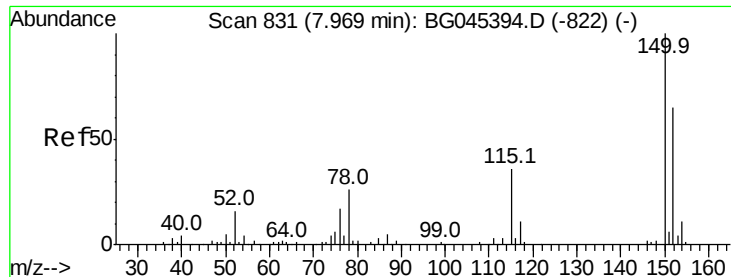
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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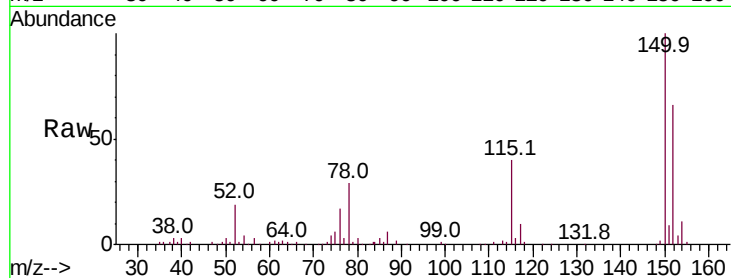


#1

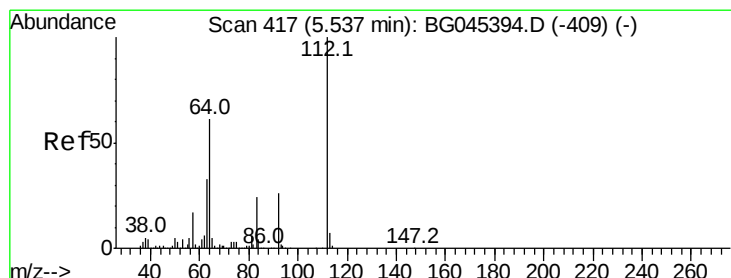
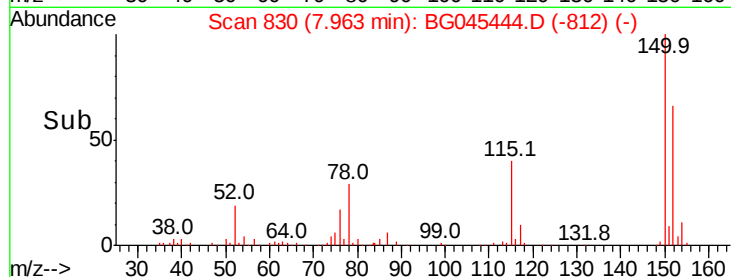
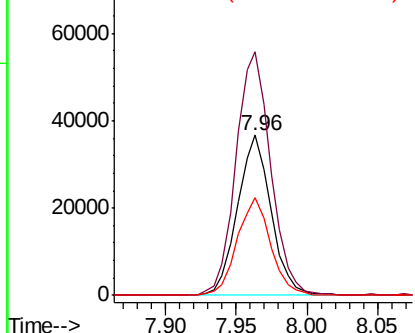
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG045444.D
Acq: 21 May 2020 17:41

Instrument :
BNA_G
ClientSampleId :
TR-04-052020

Tot Ion:152 Resp: 60945
Ion Ratio Lower Upper
152 100
150 152.0 122.4 183.6
115 60.9 44.2 66.4



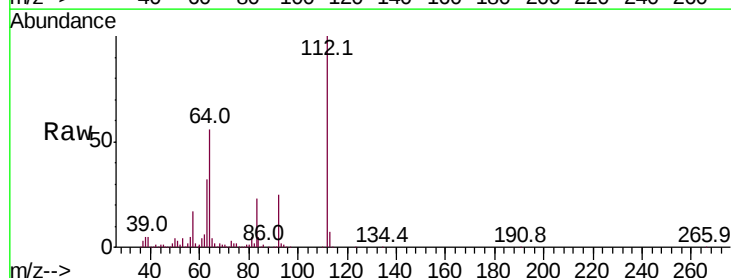
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



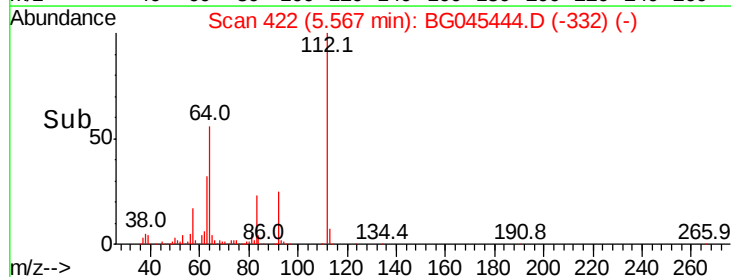
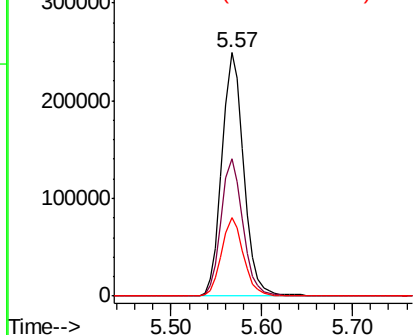
#5

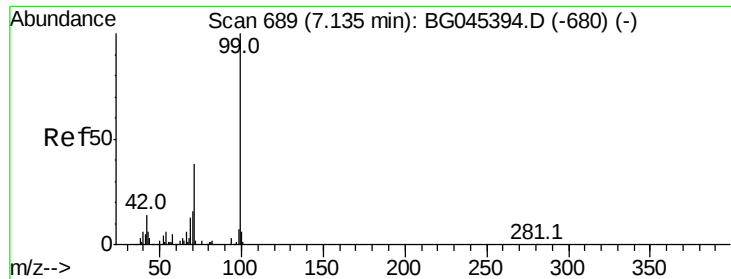
2-Fluorophenol
Concen: 133.383 ng
RT: 5.57 min Scan# 422
Delta R.T. -0.00 min
Lab File: BG045444.D
Acq: 21 May 2020 17:41

Tgt Ion:112 Resp: 415956
Ion Ratio Lower Upper
112 100
64 56.2 48.6 72.8
63 32.0 26.5 39.7



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: 120.018 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG045444.D

Acq: 21 May 2020 17:41

Instrument :

BNA_G

ClientSampleId :

TR-04-052020

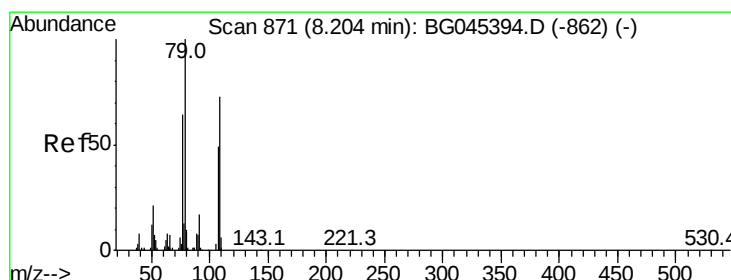
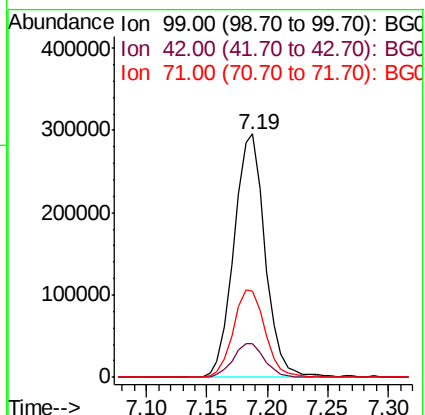
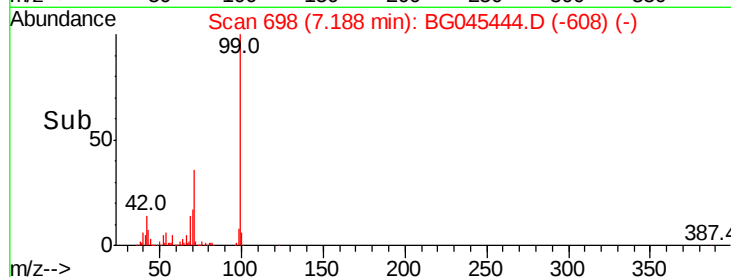
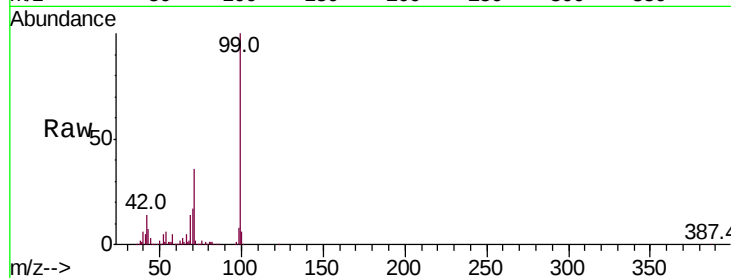
Tot Ion: 99 Resp: 532711

Ion Ratio Lower Upper

99 100

42 13.9 11.3 16.9

71 35.5 30.8 46.2



#15

Benzyl Alcohol

Concen: 2.136 ng

RT: 8.29 min Scan# 885

Delta R.T. 0.07 min

Lab File: BG045444.D

Acq: 21 May 2020 17:41

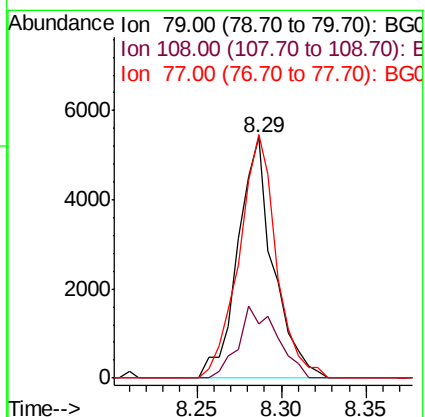
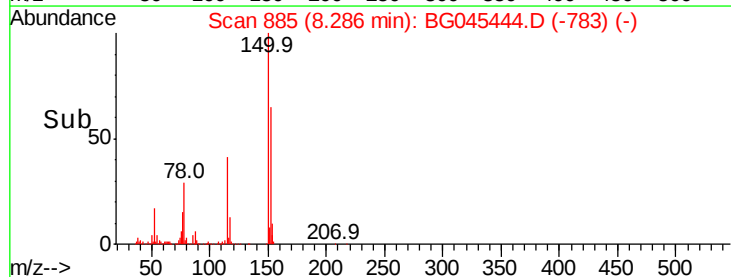
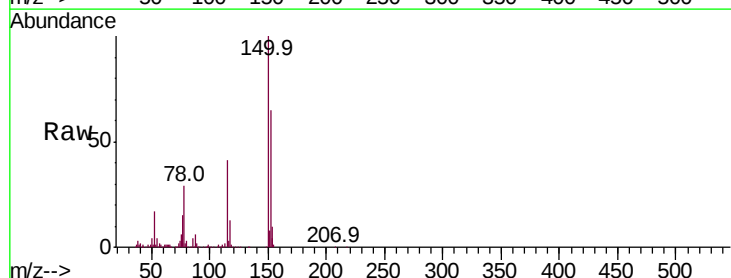
Tgt Ion: 79 Resp: 7833

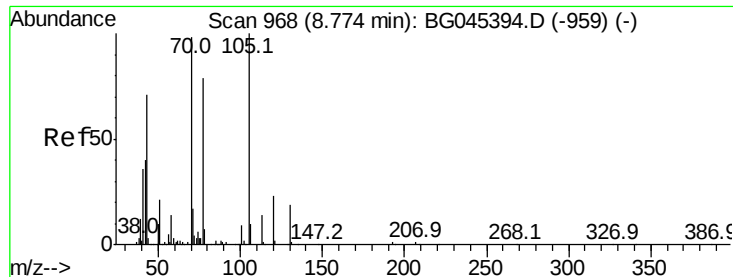
Ion Ratio Lower Upper

79 100

108 22.6 58.2 87.4#

77 101.2 51.0 76.4#





#19

n-Nitroso-di-n-propylamine

Concen: 20.075 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.35 min

Lab File: BG045444.D

Acq: 21 May 2020 17:41

Instrument :

BNA_G

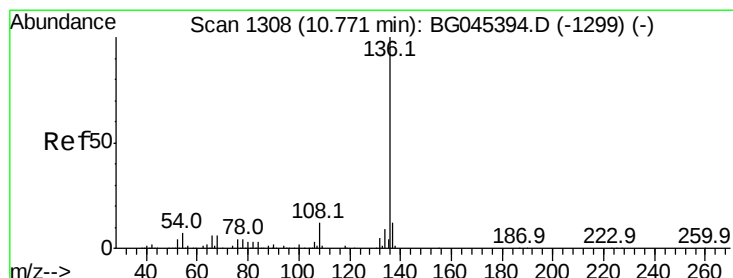
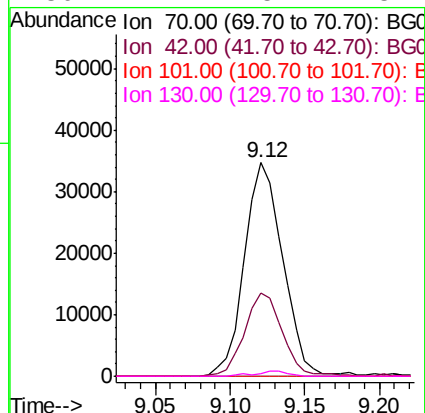
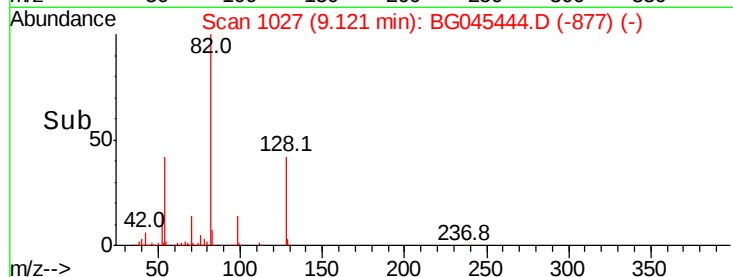
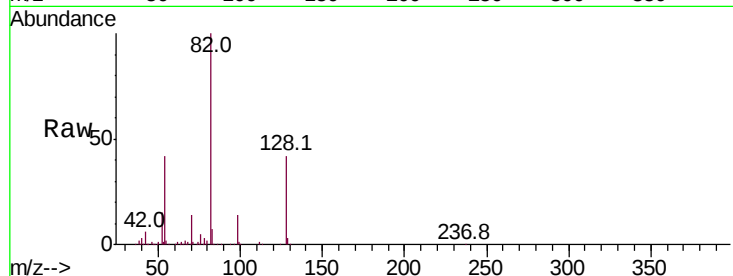
ClientSampleId :

TR-04-052020

Tot Ion: 70 Resp: 61616

Ion Ratio Lower Upper

70	100		
42	39.2	33.2	49.8
101	0.0	7.8	11.6#
130	1.4	15.4	23.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.77 min Scan# 1308

Delta R.T. 0.00 min

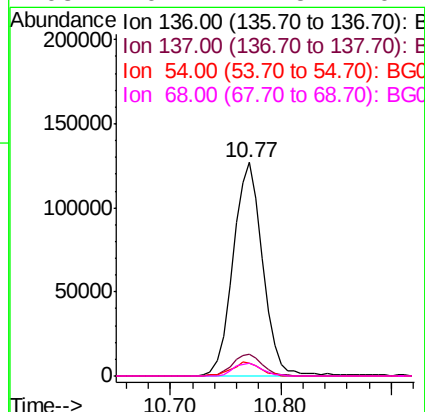
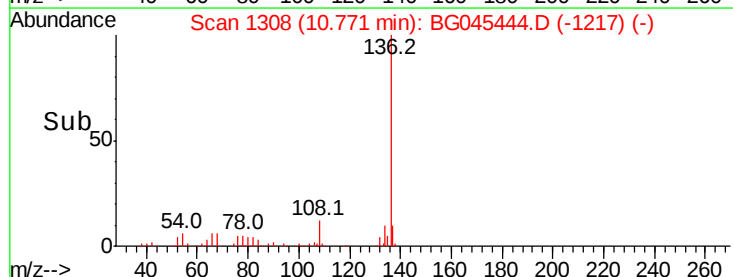
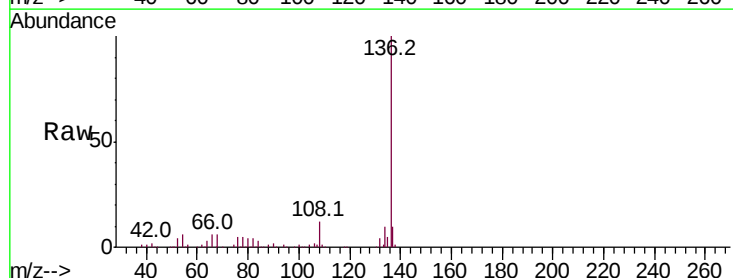
Lab File: BG045444.D

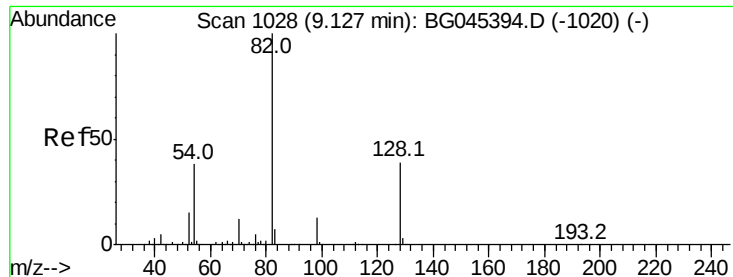
Acq: 21 May 2020 17:41

Tgt Ion: 136 Resp: 239339

Ion Ratio Lower Upper

136	100		
137	10.3	9.4	14.2
54	5.7	5.8	8.6#
68	6.1	4.5	6.7

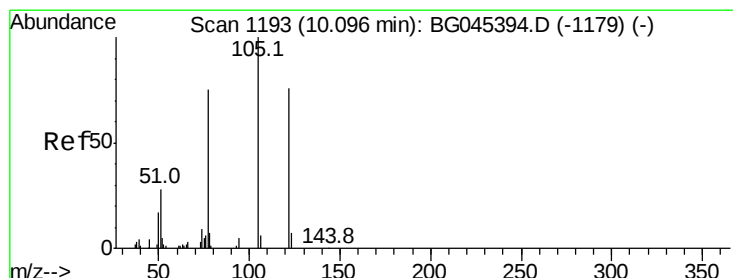
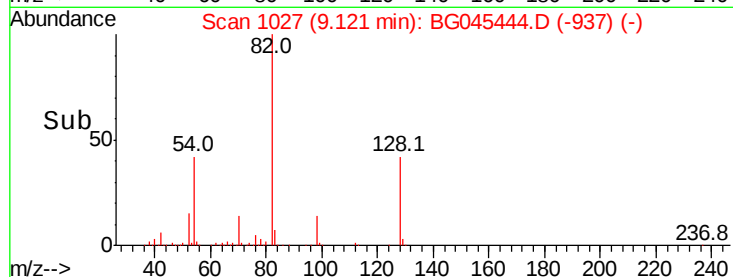
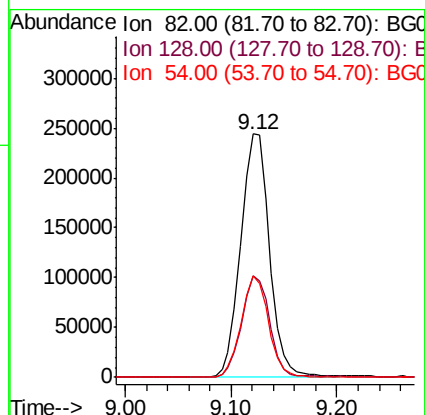
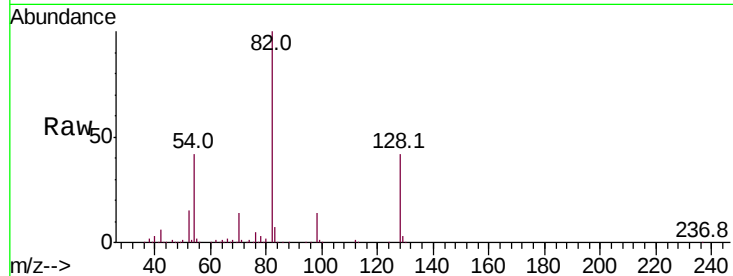




#23
Nitrobenzene-d5
Concen: 105.376 ng
RT: 9.12 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BG045444.D
Acq: 21 May 2020 17:41

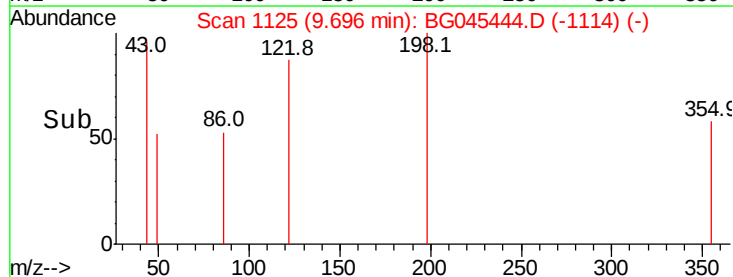
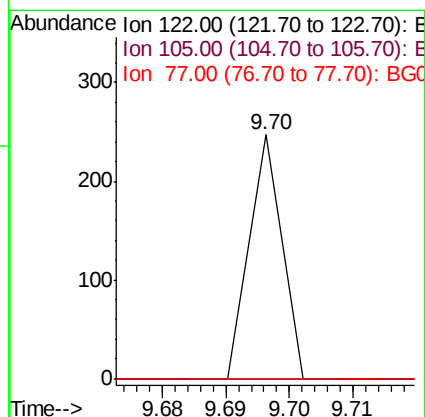
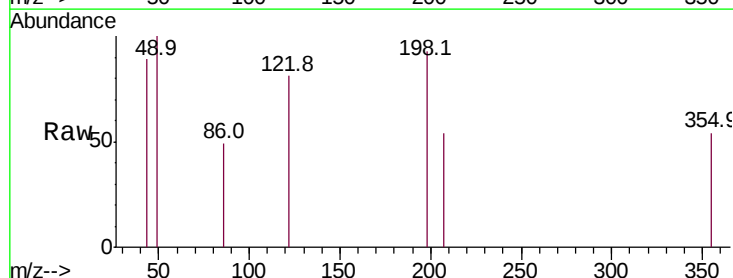
Instrument :
BNA_G
ClientSampleId :
TR-04-052020

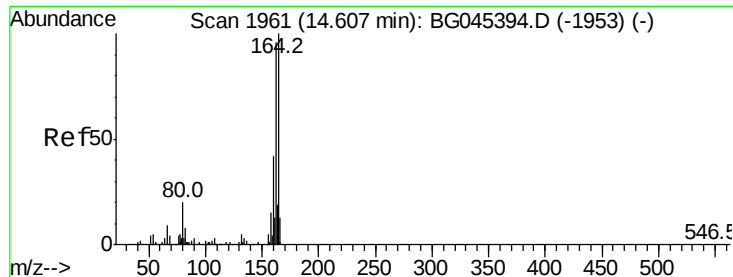
Tot Ion	82	Resp	462495
Ion Ratio	Lower	Upper	
82	100		
128	41.6	30.9	46.3
54	41.5	30.3	45.5



#32
Benzoic acid
Concen: 10.056 ng
RT: 9.70 min Scan# 1125
Delta R.T. -0.47 min
Lab File: BG045444.D
Acq: 21 May 2020 17:41

Tgt Ion	122	Resp	87
Ion Ratio	Lower	Upper	
122	100		
105	0.0	107.9	147.9#
77	0.0	78.9	118.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1961

Delta R.T. 0.00 min

Lab File: BG045444.D

Acq: 21 May 2020 17:41

Instrument :

BNA_G

ClientSampleId :

TR-04-052020

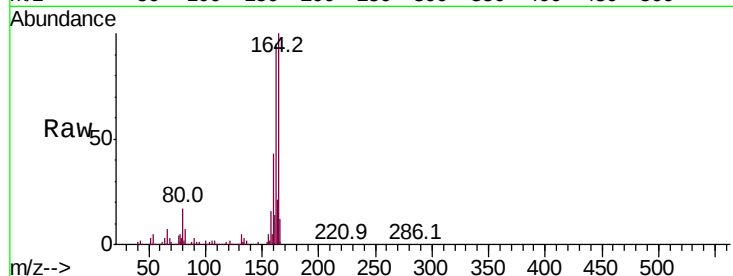
Tot Ion:164 Resp: 182300

Ion Ratio Lower Upper

164 100

162 94.8 76.9 115.3

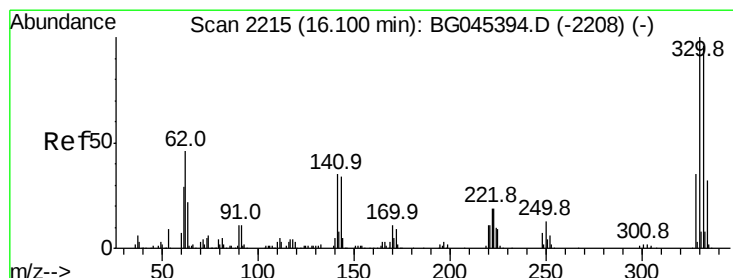
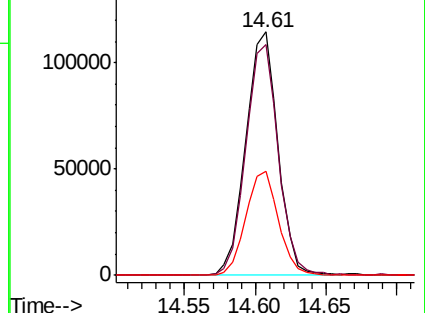
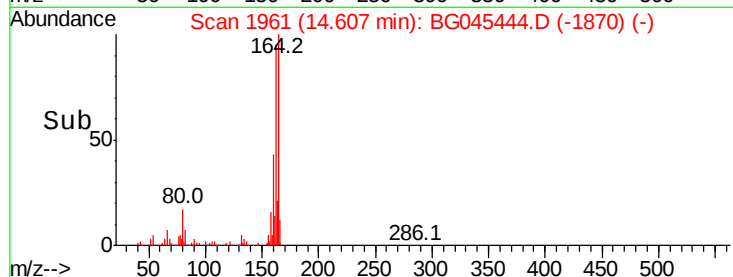
160 42.8 33.8 50.8



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: 160.483 ng

RT: 16.11 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BG045444.D

Acq: 21 May 2020 17:41

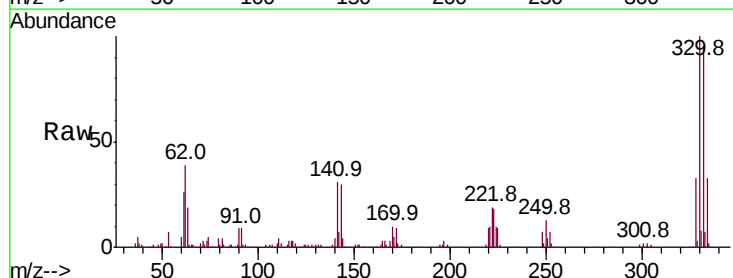
Tgt Ion:330 Resp: 374152

Ion Ratio Lower Upper

330 100

332 95.9 78.2 117.4

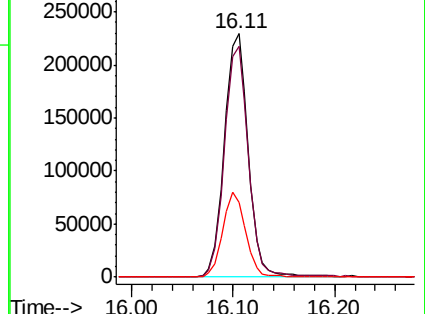
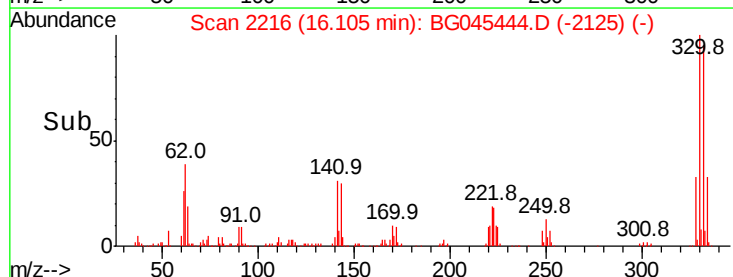
141 33.6 28.2 42.4

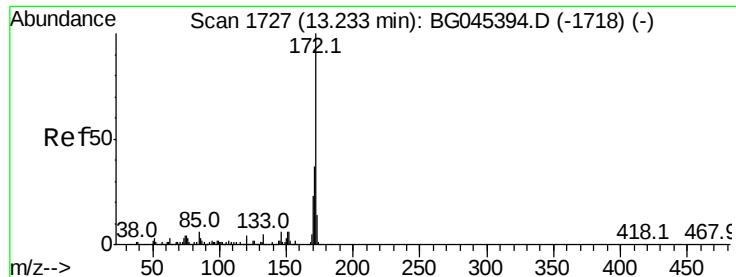


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 104.924 ng

RT: 13.23 min Scan# 1726

Delta R.T. -0.00 min

Lab File: BG045444.D

Acq: 21 May 2020 17:41

Instrument :

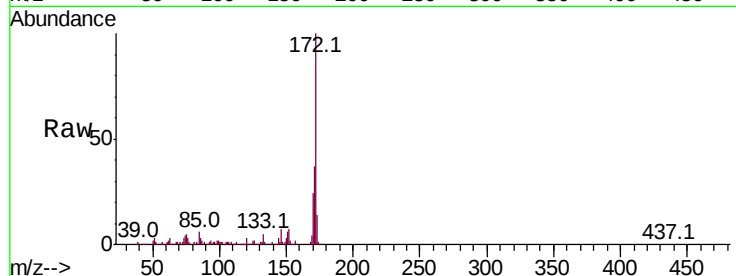
BNA_G

ClientSampleId :

TR-04-052020

Tot Ion:172 Resp: 1127673

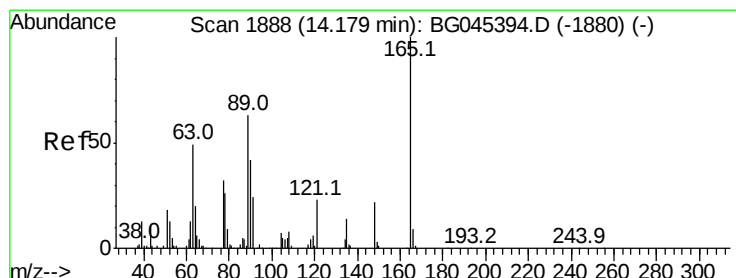
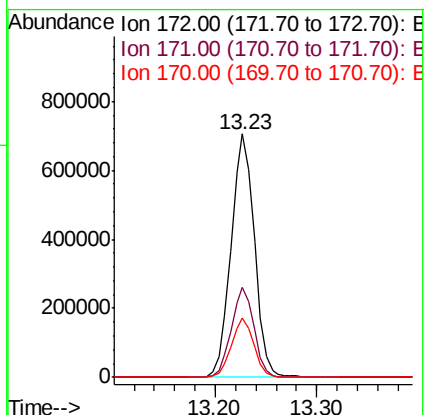
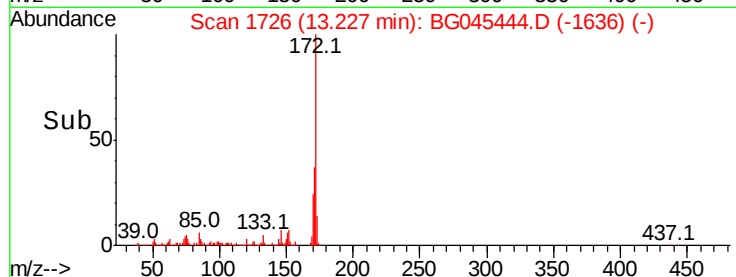
Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.5	44.3
170	24.1	18.5	27.7



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: 8.184 ng

RT: 14.60 min Scan# 1960

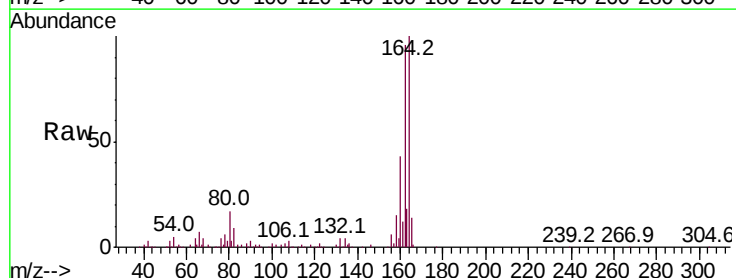
Delta R.T. 0.42 min

Lab File: BG045444.D

Acq: 21 May 2020 17:41

Tgt Ion:165 Resp: 23094

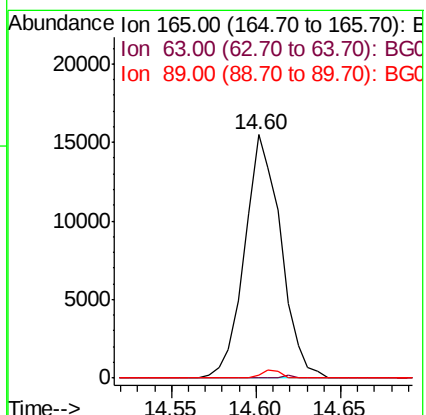
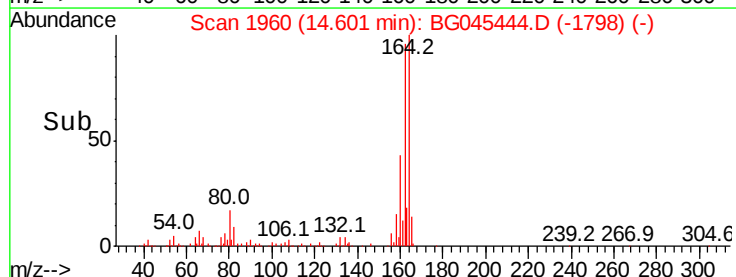
Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.0	67.4#
89	1.2	50.2	75.4#

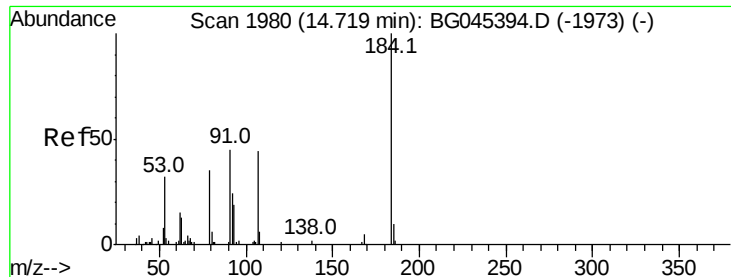


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#54

2,4-Dinitrophenol

Concen: 5.490 ng

RT: 14.87 min Scan# 2005

Delta R.T. 0.14 min

Lab File: BG045444.D

Acq: 21 May 2020 17:41

Instrument :

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ClientSampleId :

TR-04-052020

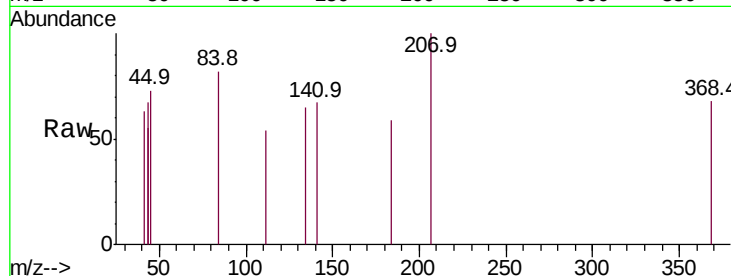
Tot Ion:184 Resp: 61

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

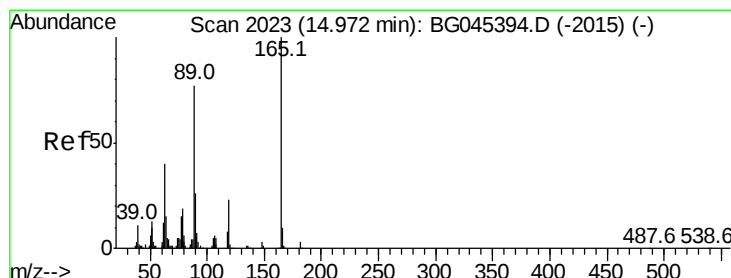
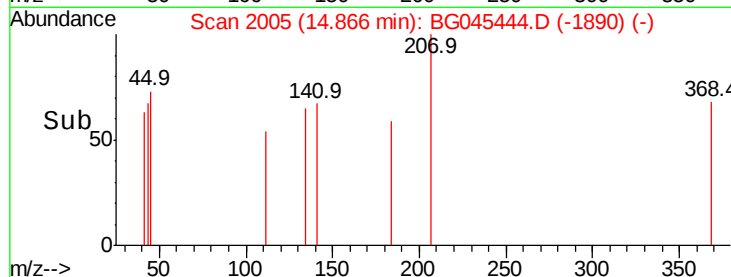
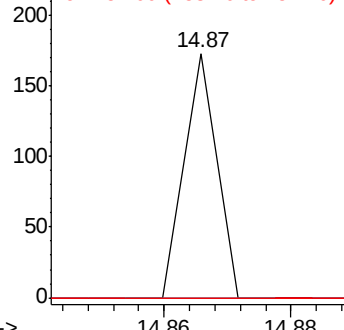
154 0.0 58.3 87.5#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 5.651 ng

RT: 14.60 min Scan# 1960

Delta R.T. -0.37 min

Lab File: BG045444.D

Acq: 21 May 2020 17:41

Tgt Ion:165 Resp: 23094

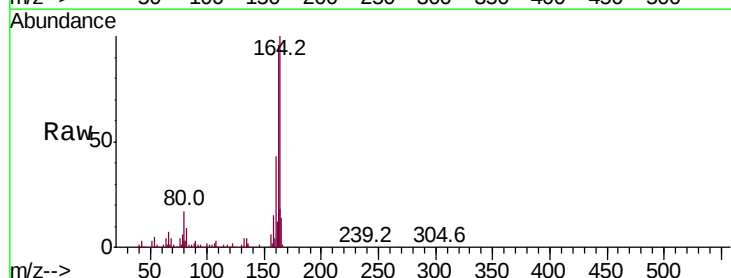
Ion Ratio Lower Upper

165 100

63 0.0 32.5 48.7#

89 1.2 61.8 92.6#

182 0.0 2.3 3.5#

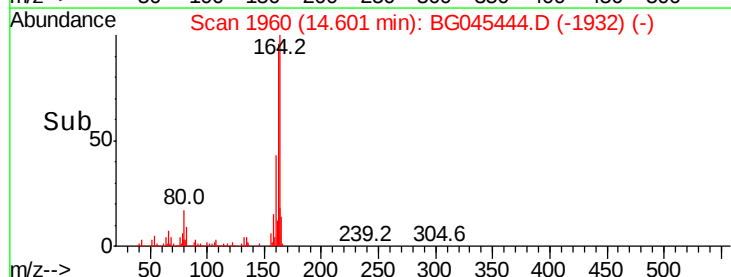
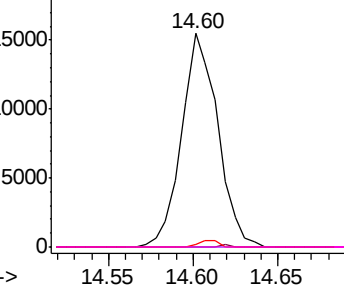


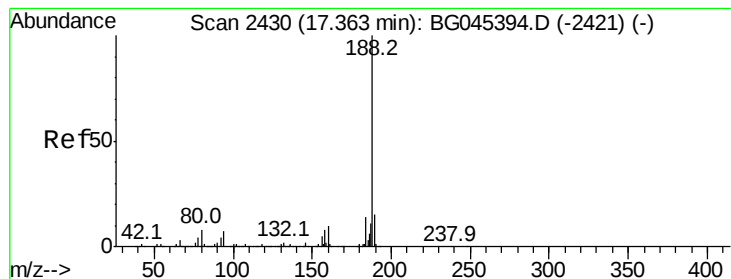
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG045444.D

Acq: 21 May 2020 17:41

Instrument :

BNA_G

ClientSampleId :

TR-04-052020

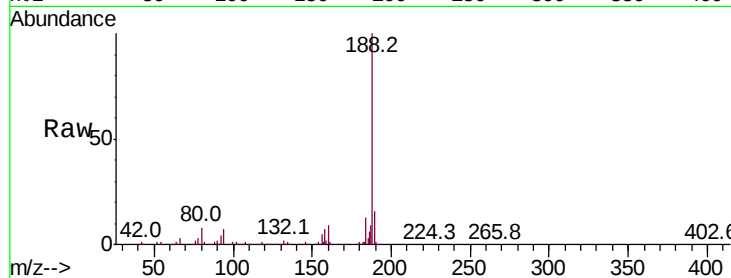
Tot Ion:188 Resp: 434689

Ion Ratio Lower Upper

188 100

94 7.5 5.5 8.3

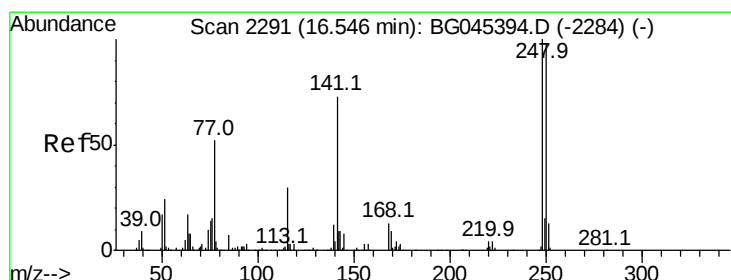
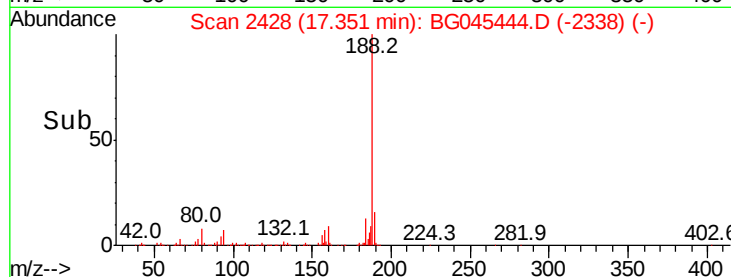
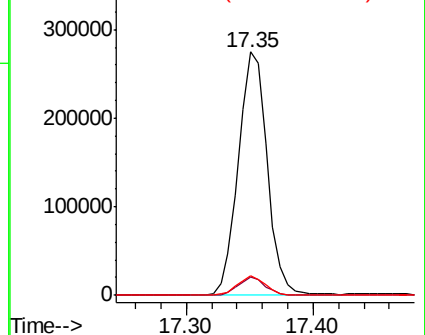
80 8.1 6.6 10.0



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



#67

4-Bromophenyl-phenylether

Concen: 5.110 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.44 min

Lab File: BG045444.D

Acq: 21 May 2020 17:41

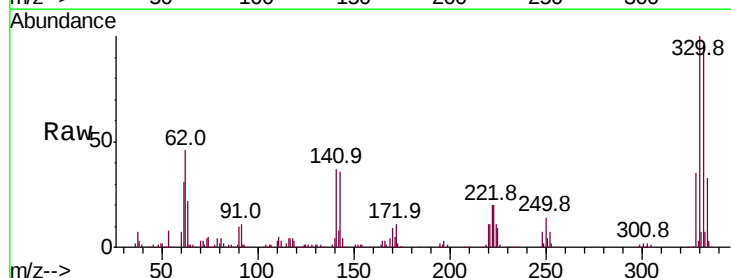
Tgt Ion:248 Resp: 24051

Ion Ratio Lower Upper

248 100

250 189.6 78.6 117.8#

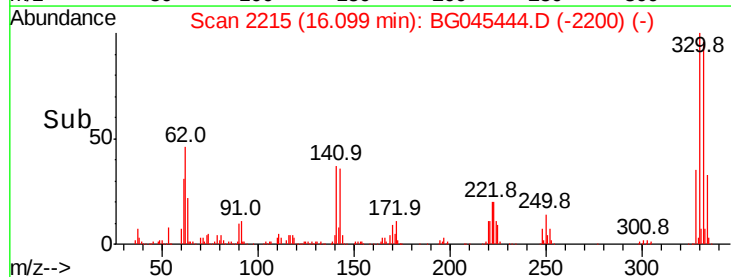
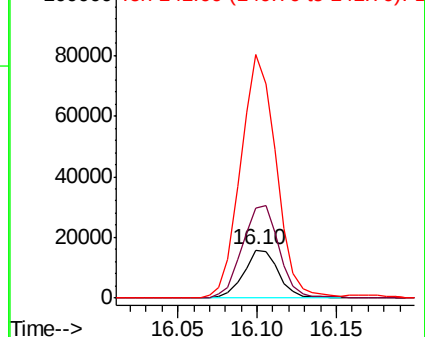
141 509.3 58.2 87.2#

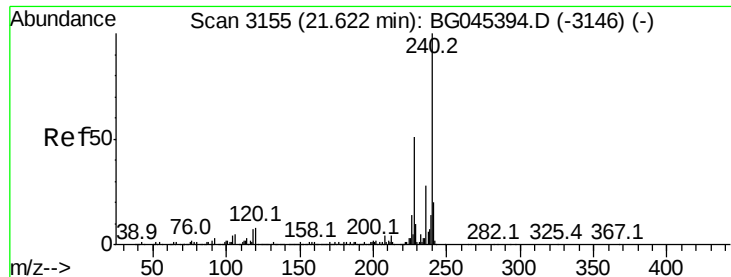


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

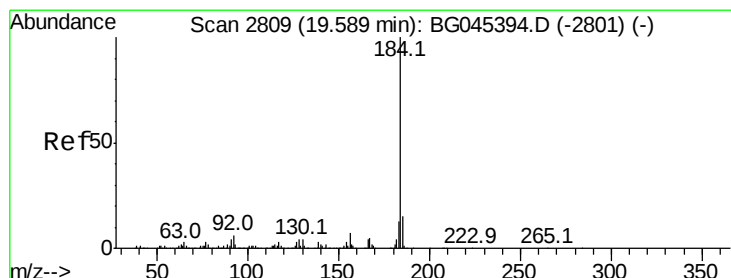
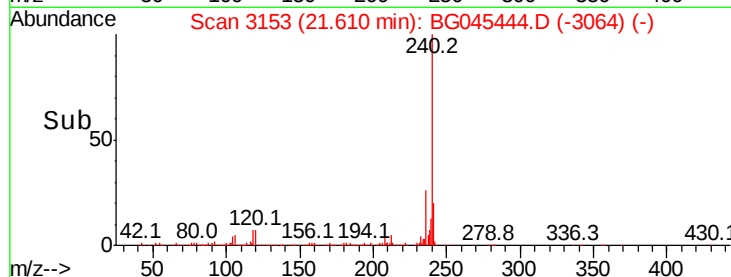
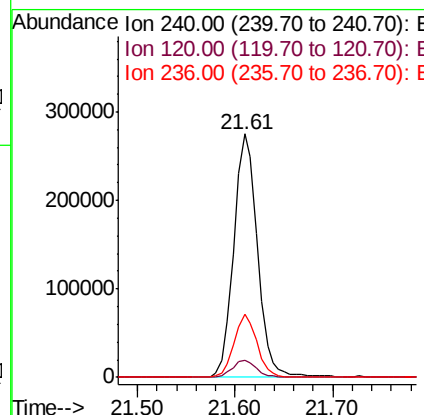
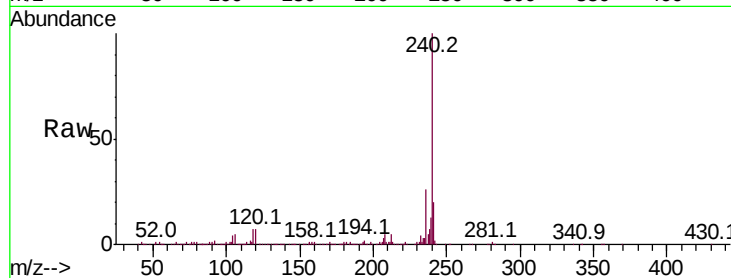




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.61 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BG045444.D
Acq: 21 May 2020 17:41

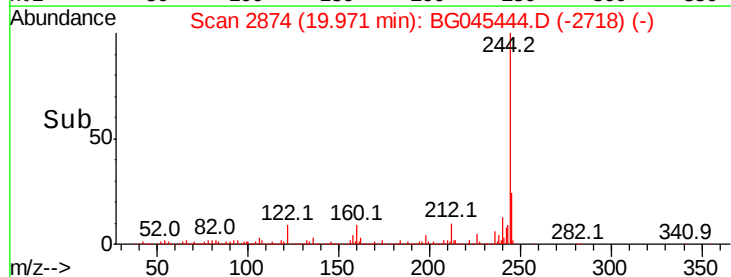
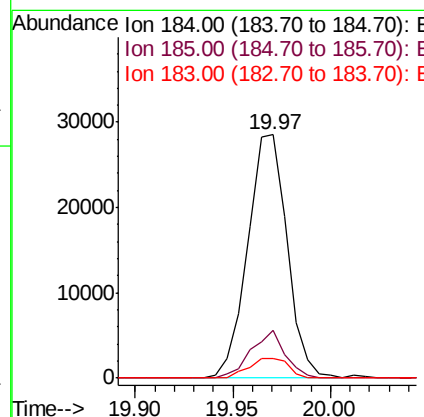
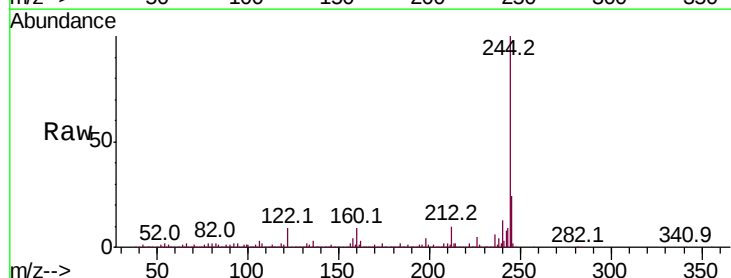
Instrument :
BNA_G
ClientSampleId :
TR-04-052020

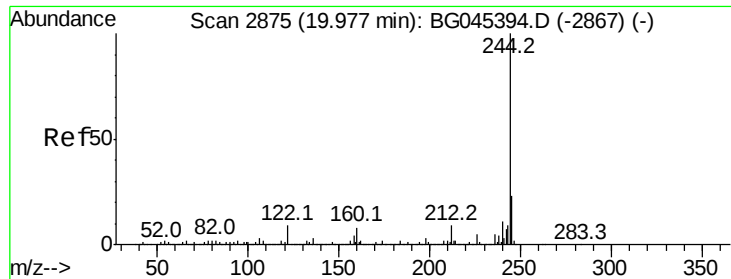
Tot Ion	Ratio	Lower	Upper
240	100		
120	6.8	6.1	9.1
236	25.9	22.3	33.5



#77
Benzidine
Concen: 3.065 ng
RT: 19.97 min Scan# 2874
Delta R.T. 0.39 min
Lab File: BG045444.D
Acq: 21 May 2020 17:41

Tgt Ion	Ratio	Lower	Upper
184	100		
185	19.6	11.7	17.5#
183	8.1	10.2	15.4#





#79

Terphenyl-d14

Concen: 105.539 ng

RT: 19.97 min Scan# 2874

Delta R.T. 0.00 min

Lab File: BG045444.D

Acq: 21 May 2020 17:41

Instrument :

BNA_G

ClientSampleId :

TR-04-052020

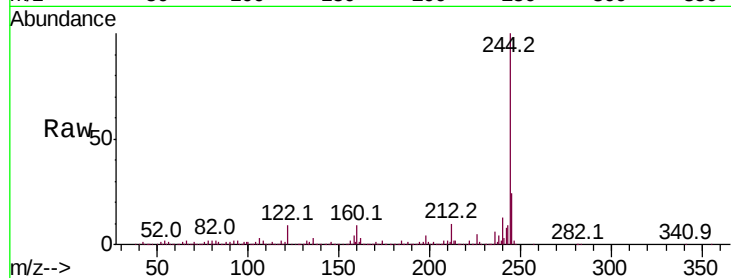
Tot Ion:244 Resp: 2098264

Ion Ratio Lower Upper

244 100

212 9.7 7.4 11.0

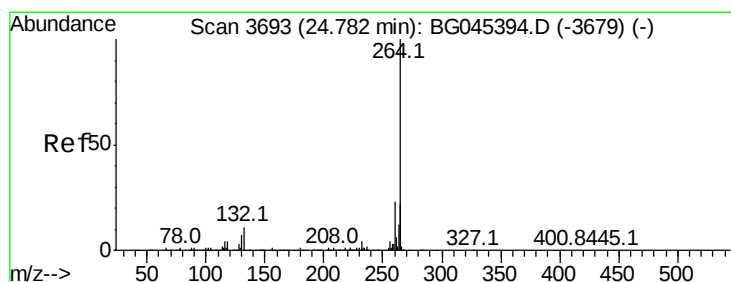
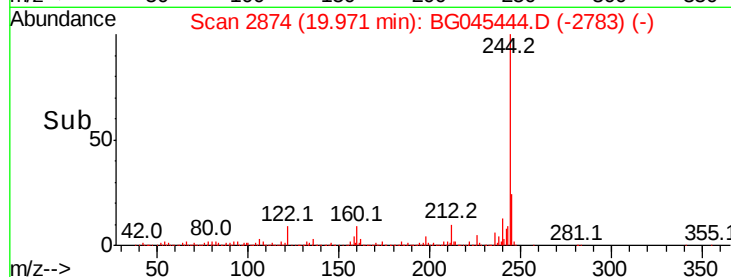
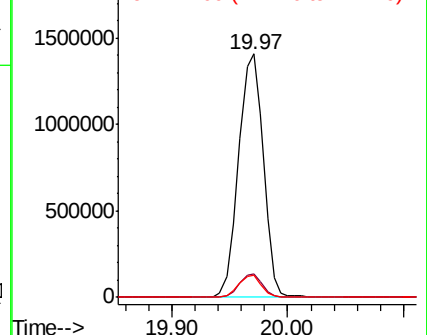
122 8.9 6.8 10.2



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: 24.76 min Scan# 3689

Delta R.T. -0.01 min

Lab File: BG045444.D

Acq: 21 May 2020 17:41

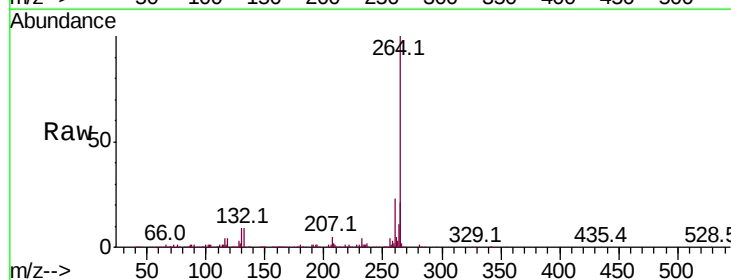
Tgt Ion:264 Resp: 489891

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.4

265 20.6 17.6 26.4



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

