

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021120\
 Data File : BG044397.D
 Acq On : 11 Feb 2020 20:32
 Operator : CG/JU
 Sample : L1367-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-021020

Quant Time: Feb 12 03:07:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

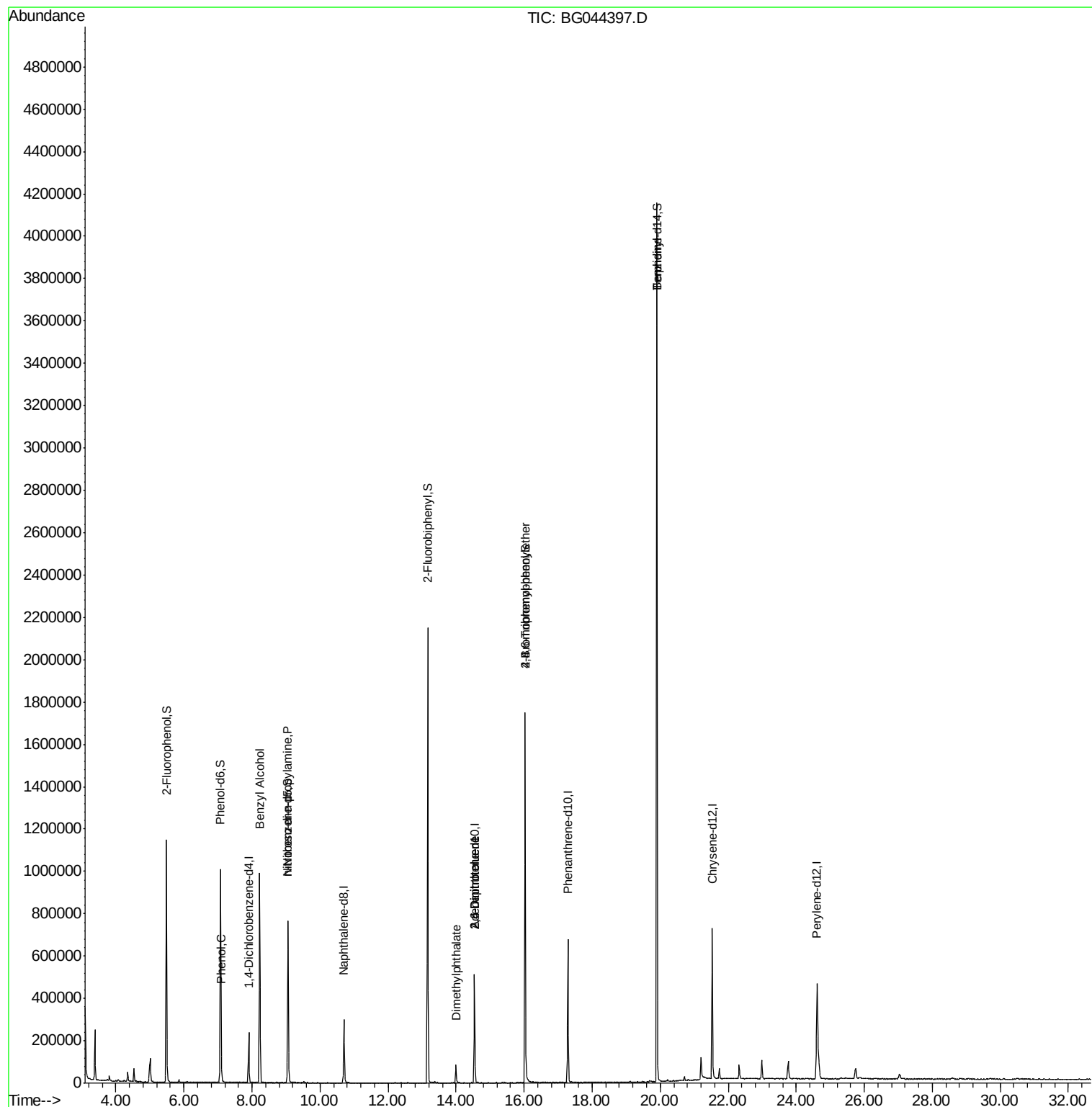
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	71909	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	287047	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	188791	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	456328	20.00	ng	0.00
76) Chrysene-d12	21.53	240	446935	20.00	ng	0.00
87) Perylene-d12	24.62	264	462717	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	553622	135.87	ng	0.00
7) Phenol-d6	7.08	99	655629	119.83	ng	0.00
23) Nitrobenzene-d5	9.06	82	498130	97.97	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	354172	159.80	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	1128065	100.06	ng	0.00
79) Terphenyl-d14	19.90	244	1970016	90.66	ng	0.00
Target Compounds						
10) Phenol	7.10	94	13473	2.488	ng	76
15) Benzyl Alcohol	8.22	79	7869	2.031	ng	# 42
19) n-Nitroso-di-n-propylamine	9.06	70	63742	17.480	ng	# 78
50) Dimethylphthalate	14.00	163	69793	5.143	ng	98
51) 2,6-Dinitrotoluene	14.54	165	24488	8.093	ng	# 31
57) 2,4-Dinitrotoluene	14.54	165	24488	5.774	ng	# 28
67) 4-Bromophenyl-phenylether	16.03	248	24673	4.963	ng	# 1
77) Benzidine	19.90	184	32750	2.642	ng	# 91

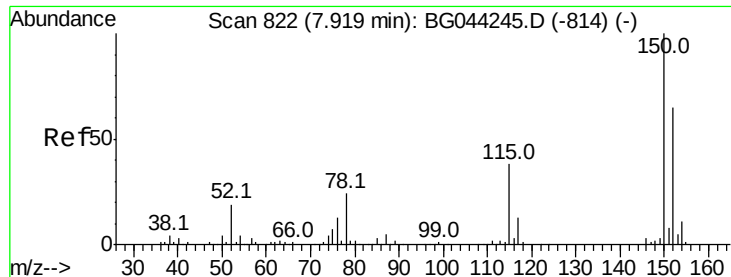
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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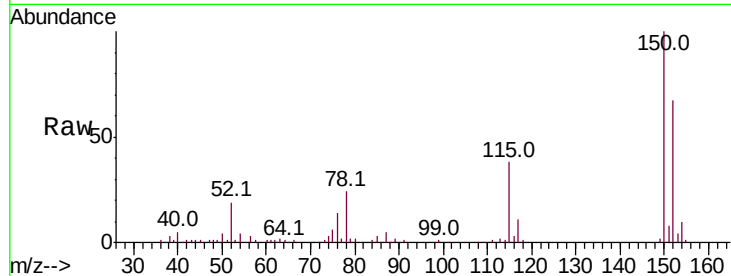


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.91 min Scan# 820
 Delta R.T. 0.00 min
 Lab File: BG044397.D
 Acq: 11 Feb 2020 20:32

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-021020

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	122.6	183.8
115	56.2	46.0	69.0

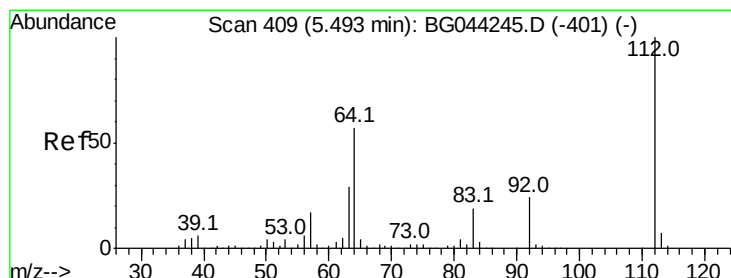
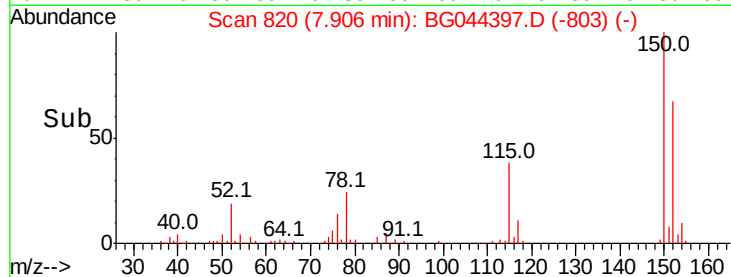
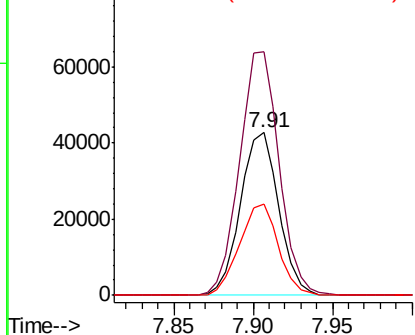


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

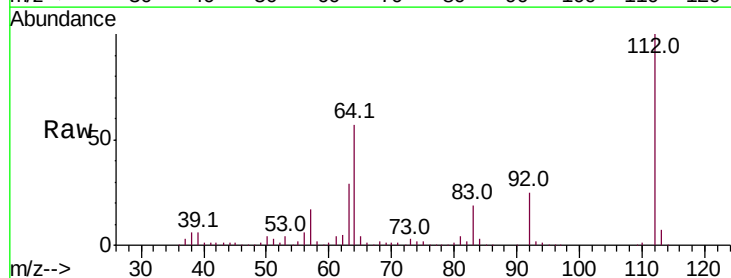
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 135.874 ng
 RT: 5.49 min Scan# 408
 Delta R.T. 0.01 min
 Lab File: BG044397.D
 Acq: 11 Feb 2020 20:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	45.4	68.2
63	29.1	22.9	34.3

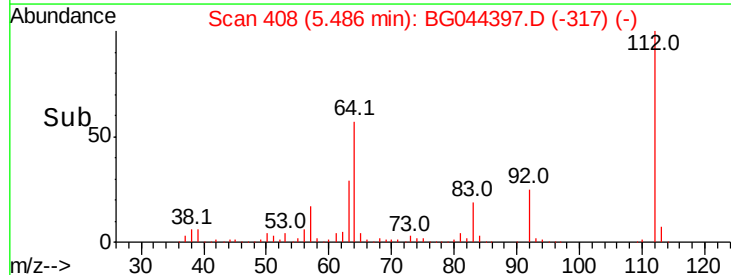
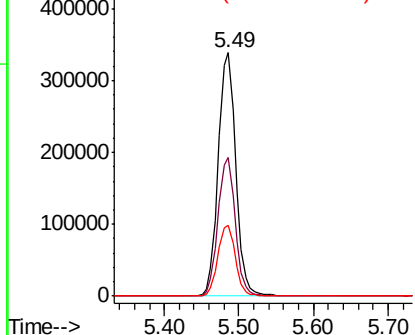


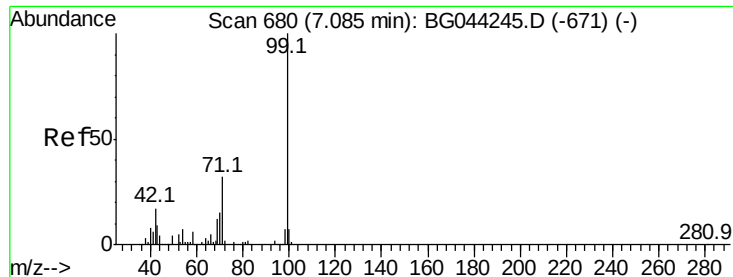
Abundance

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: 119.827 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

Instrument :

BNA_G

ClientSampleId :

OK-03-021020

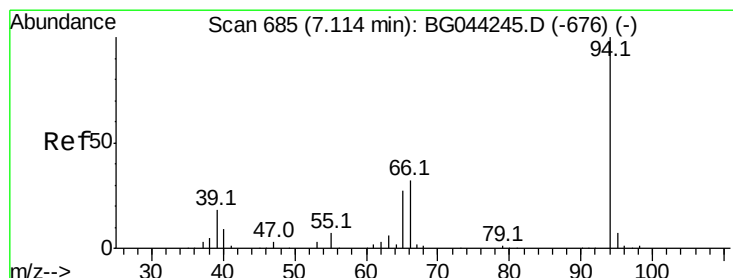
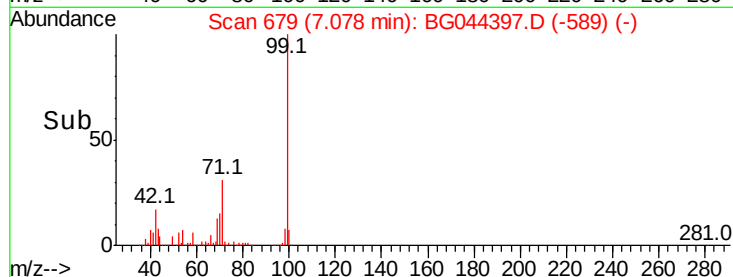
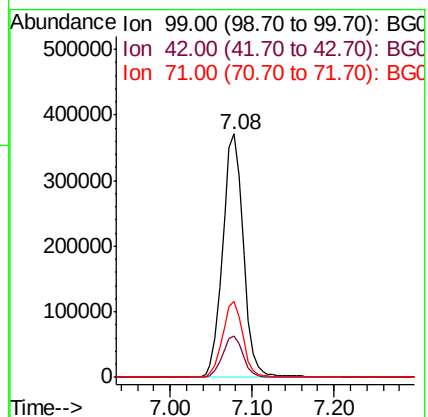
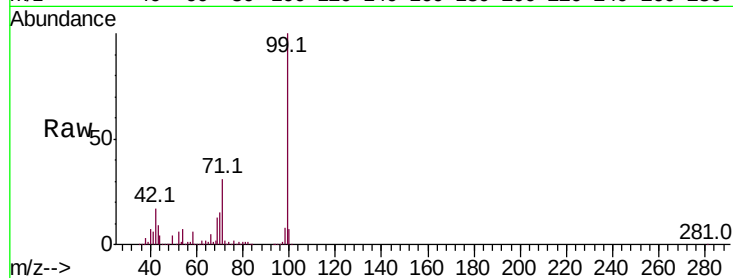
Tot Ion: 99 Resp: 655629

Ion Ratio Lower Upper

99 100

42 16.7 13.8 20.6

71 31.3 25.5 38.3



#10

Phenol

Concen: 2.488 ng

RT: 7.10 min Scan# 683

Delta R.T. 0.00 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

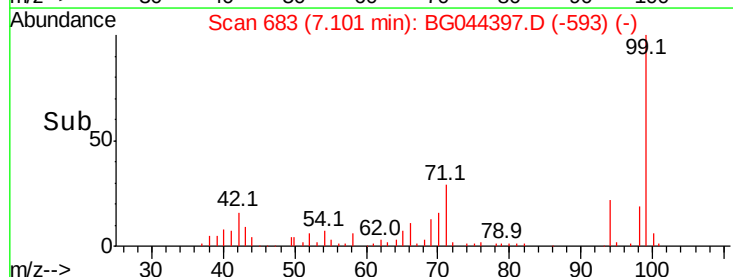
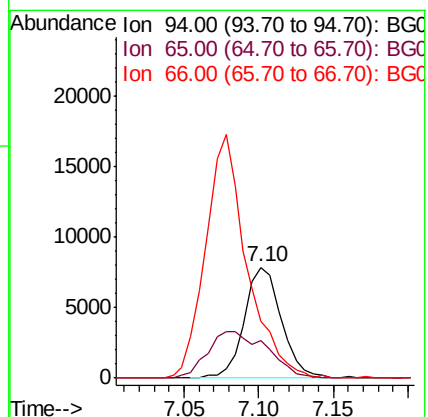
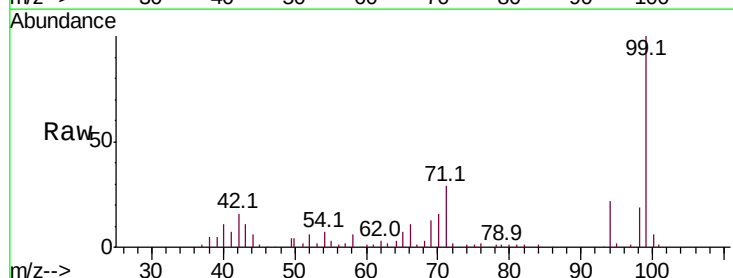
Tgt Ion: 94 Resp: 13473

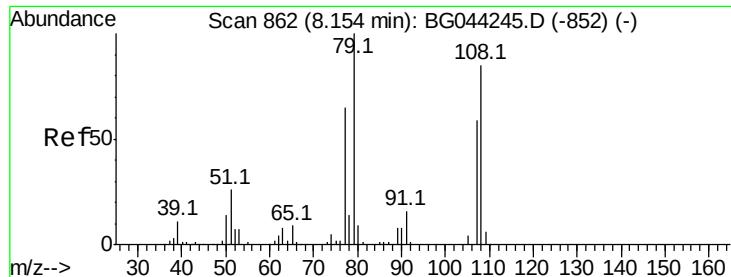
Ion Ratio Lower Upper

94 100

65 33.7 7.0 47.0

66 51.0 12.7 52.7





#15

Benzyl Alcohol

Concen: 2.031 ng

RT: 8.22 min Scan# 874

Delta R.T. 0.08 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

Instrument :

BNA_G

ClientSampleId :

OK-03-021020

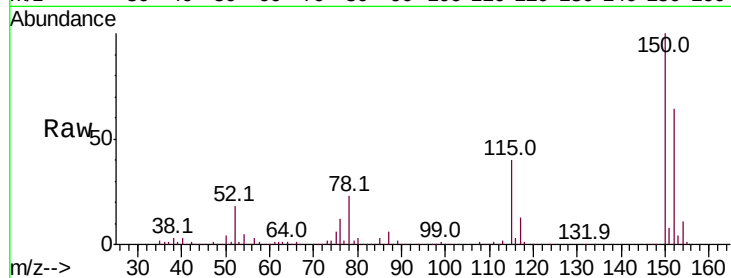
Tot Ion: 79 Resp: 7869

Ion Ratio Lower Upper

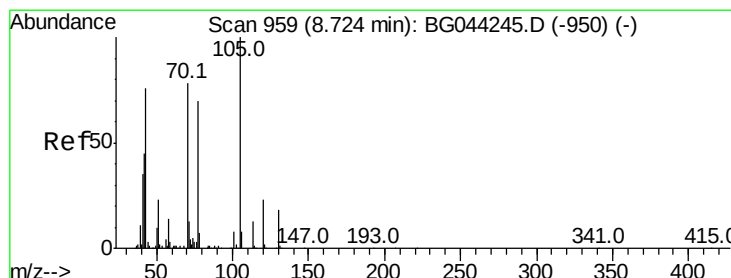
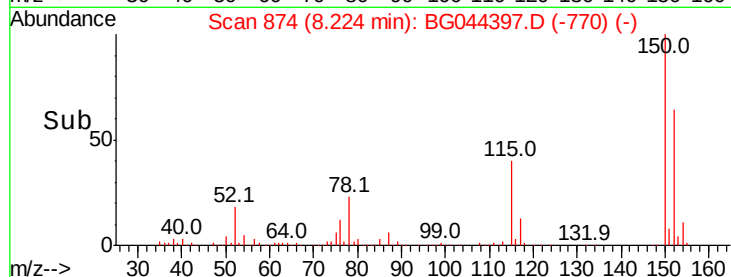
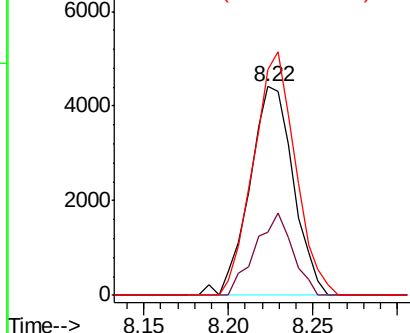
79 100

108 30.2 68.3 102.5#

77 108.0 51.8 77.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 17.480 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

Tgt Ion: 70 Resp: 63742

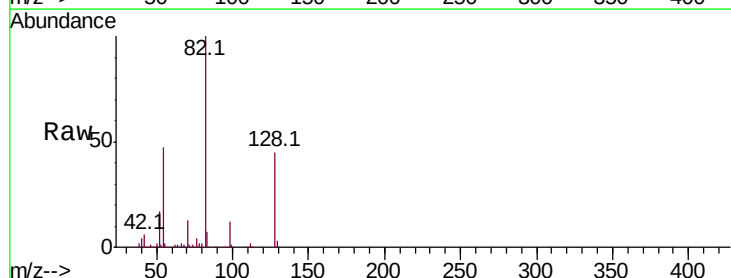
Ion Ratio Lower Upper

70 100

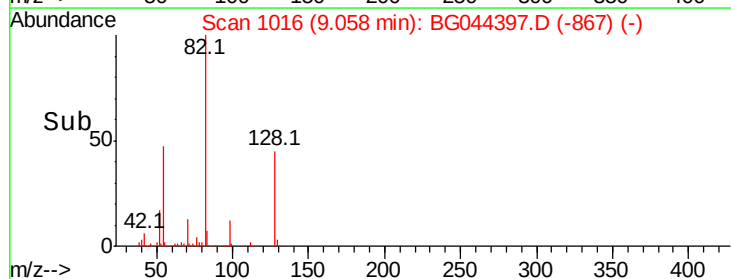
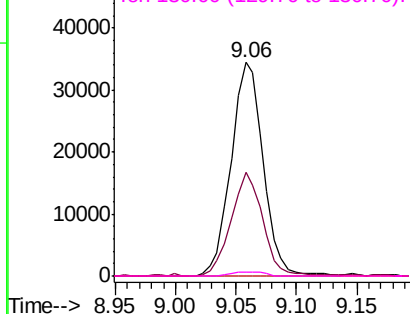
42 48.4 46.2 69.2

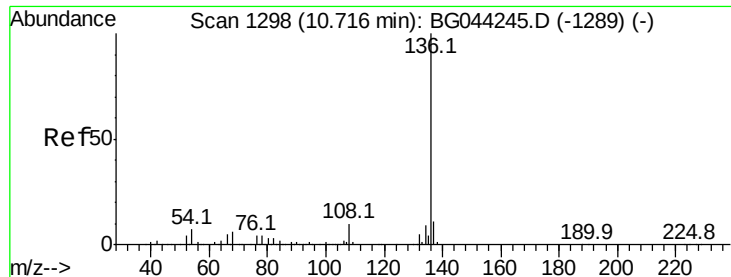
101 0.0 8.4 12.6#

130 2.0 17.8 26.8#



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: 10.70 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

Instrument :

BNA_G

ClientSampleId :

OK-03-021020

Tot Ion:136 Resp: 287047

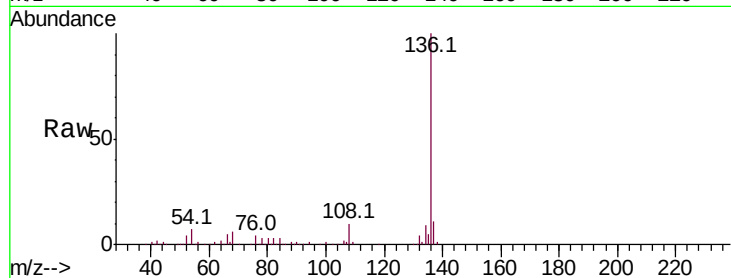
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 7.3 5.8 8.8

68 5.9 4.6 6.8

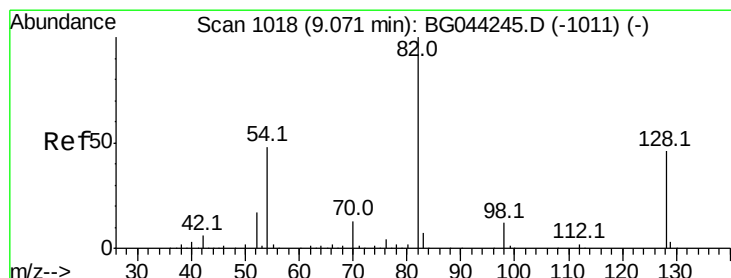
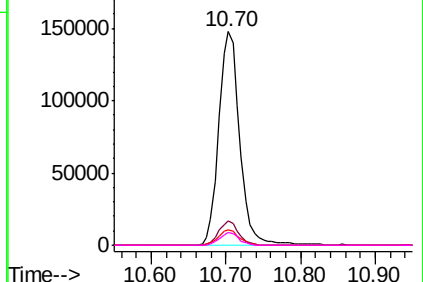
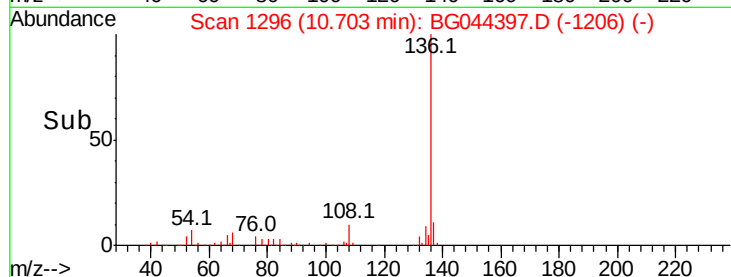


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#23

Nitrobenzene-d5

Concen: 97.972 ng

RT: 9.06 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

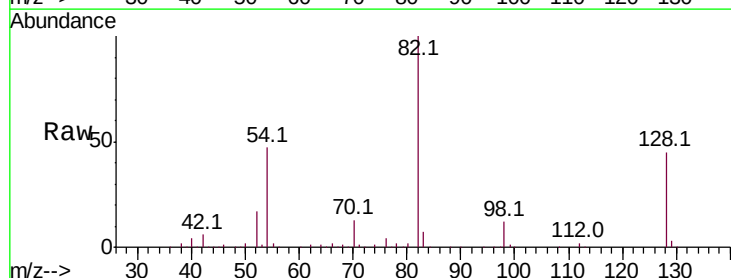
Tgt Ion: 82 Resp: 498130

Ion Ratio Lower Upper

82 100

128 45.0 36.5 54.7

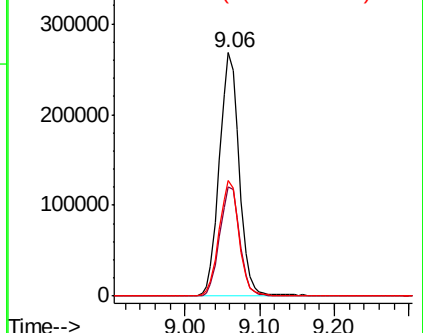
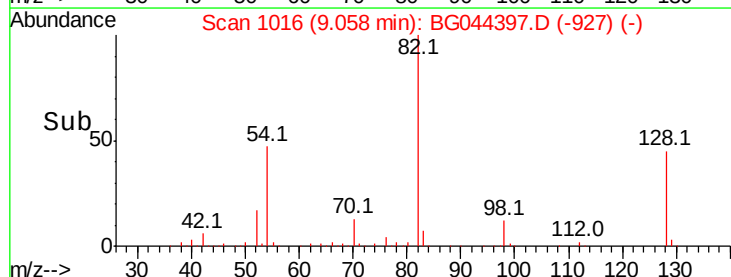
54 47.4 38.6 58.0

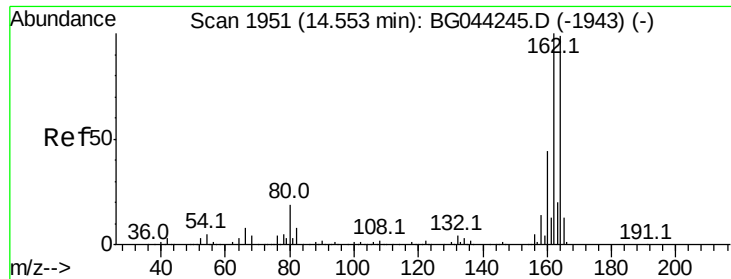


Abundance Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.54 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

Instrument :

BNA_G

ClientSampleId :

OK-03-021020

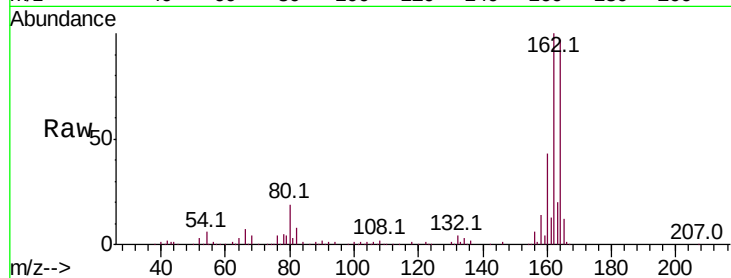
Tot Ion:164 Resp: 188791

Ion Ratio Lower Upper

164 100

162 102.6 80.7 121.1

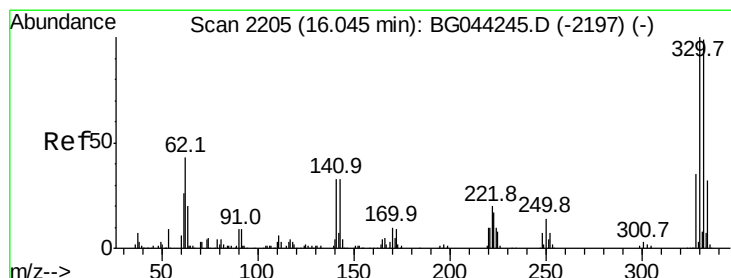
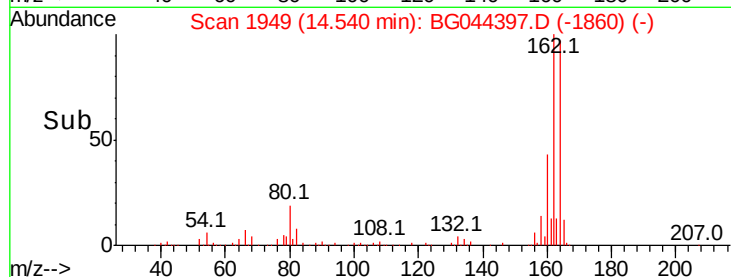
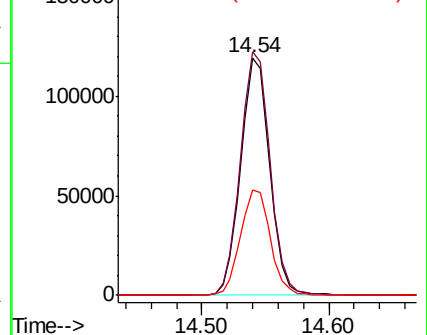
160 44.6 35.3 52.9



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: 159.803 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

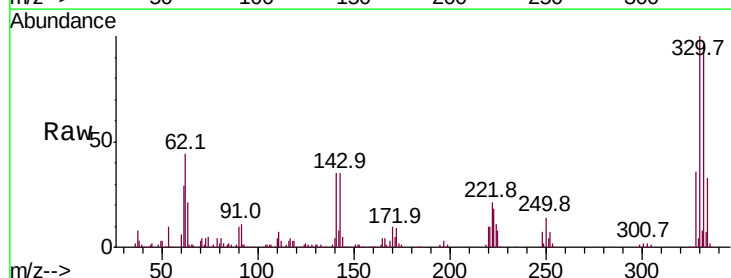
Tgt Ion:330 Resp: 354172

Ion Ratio Lower Upper

330 100

332 94.8 77.2 115.8

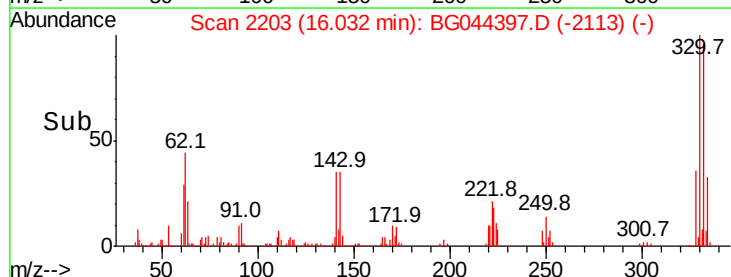
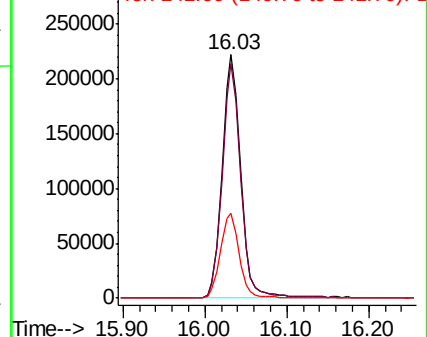
141 35.6 28.3 42.5

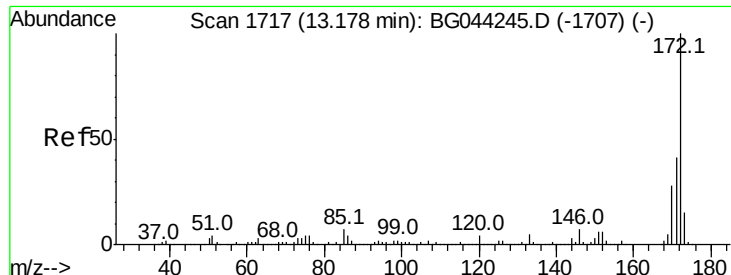


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

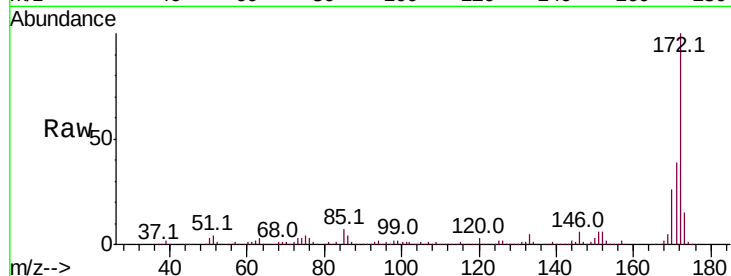




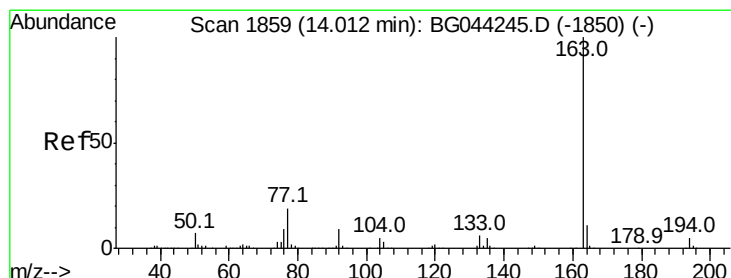
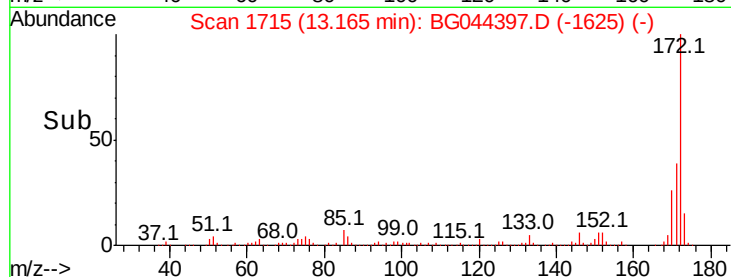
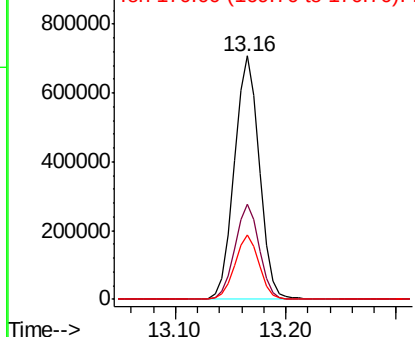
#45
2-Fluorobiphenyl
Concen: 100.058 ng
RT: 13.16 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BG044397.D
Acq: 11 Feb 2020 20:32

Instrument :
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ClientSampleId :
OK-03-021020

Tot Ion:172 Resp: 1128065
Ion Ratio Lower Upper
172 100
171 39.2 32.9 49.3
170 26.3 22.0 33.0

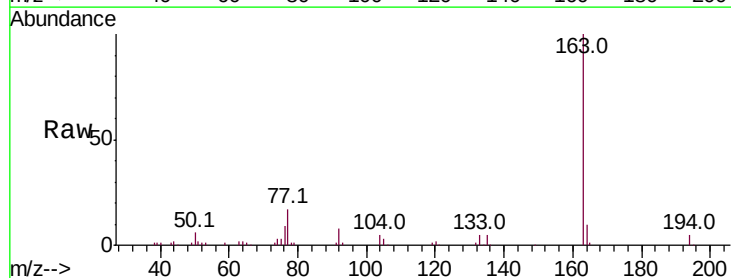


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

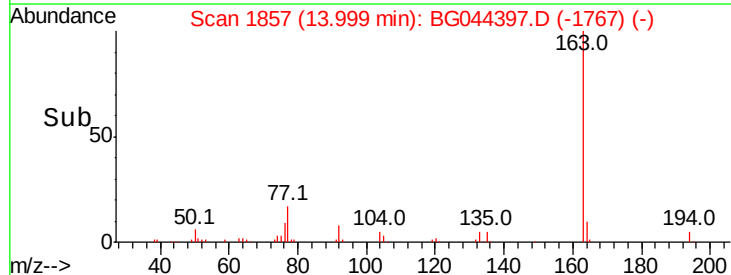
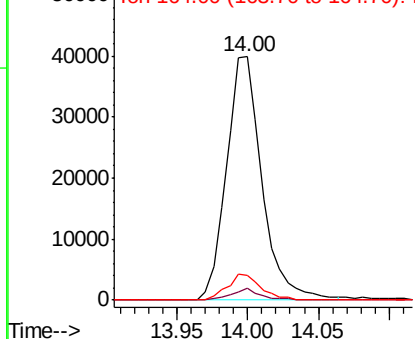


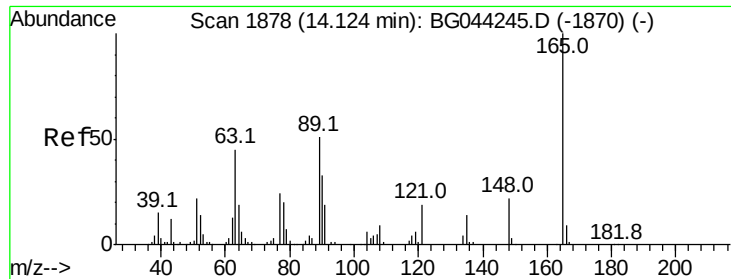
#50
Dimethylphthalate
Concen: 5.143 ng
RT: 14.00 min Scan# 1857
Delta R.T. 0.00 min
Lab File: BG044397.D
Acq: 11 Feb 2020 20:32

Tgt Ion:163 Resp: 69793
Ion Ratio Lower Upper
163 100
194 4.7 3.6 5.4
164 10.2 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.093 ng

RT: 14.54 min Scan# 1949

Delta R.T. 0.42 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

Instrument :

BNA_G

ClientSampleId :

OK-03-021020

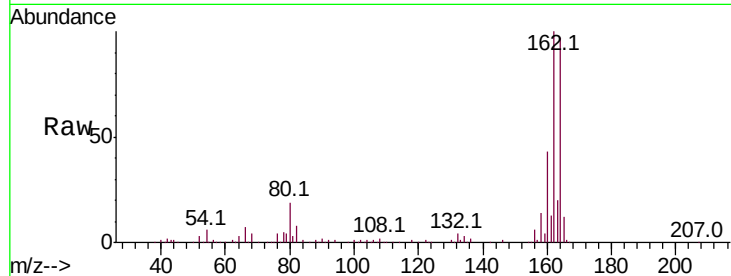
Tot Ion:165 Resp: 24488

Ion Ratio Lower Upper

165 100

63 2.3 38.7 58.1#

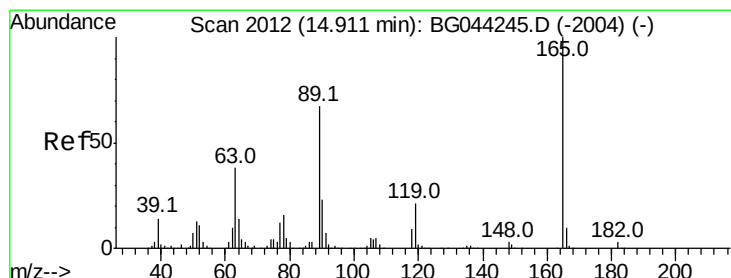
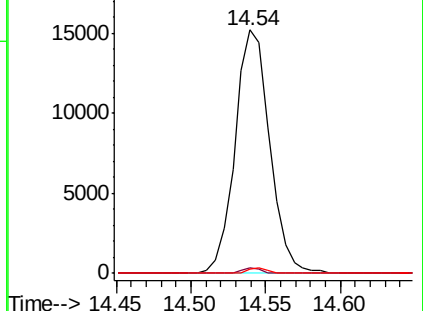
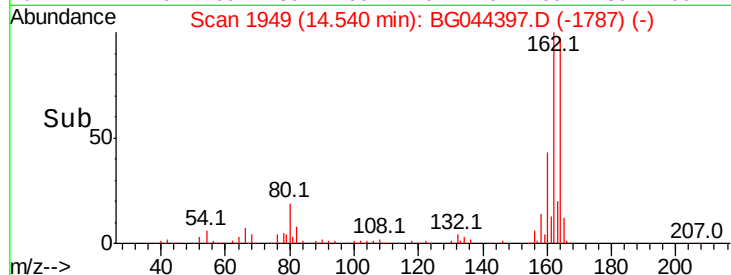
89 1.8 40.4 60.6#



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



#57

2,4-Dinitrotoluene

Concen: 5.774 ng

RT: 14.54 min Scan# 1949

Delta R.T. -0.36 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

Tgt Ion:165 Resp: 24488

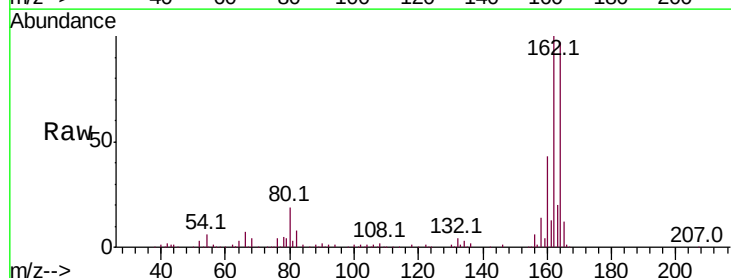
Ion Ratio Lower Upper

165 100

63 2.3 30.3 45.5#

89 1.8 53.4 80.2#

182 0.0 2.1 3.1#

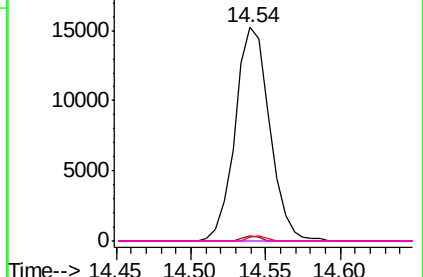
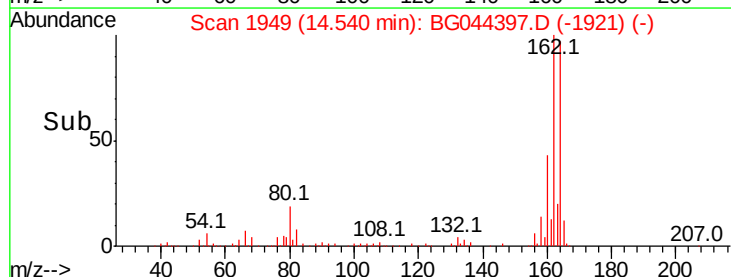


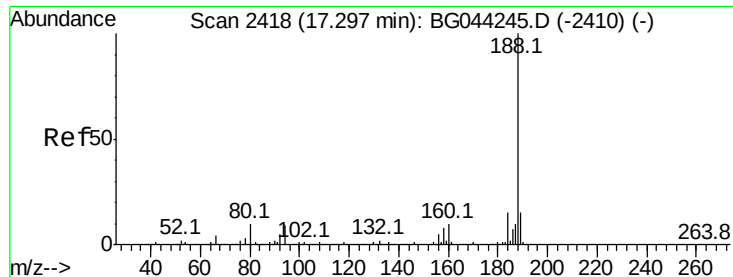
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.28 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

Instrument :

BNA_G

ClientSampleId :

OK-03-021020

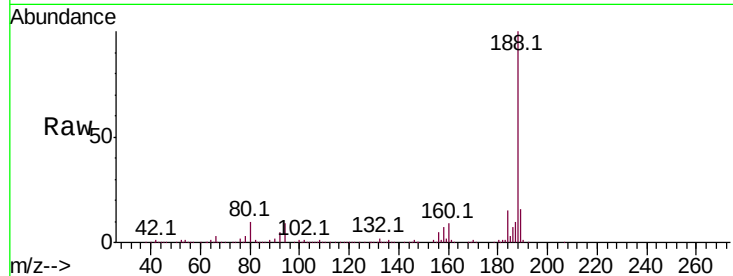
Tot Ion:188 Resp: 456328

Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

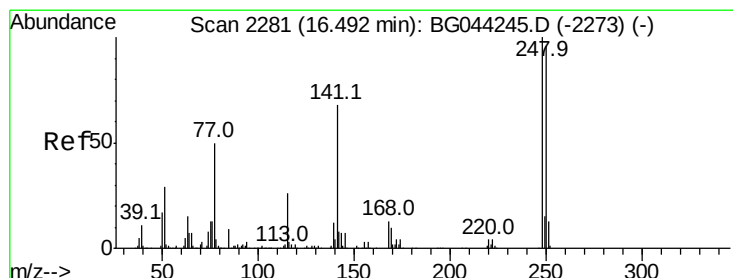
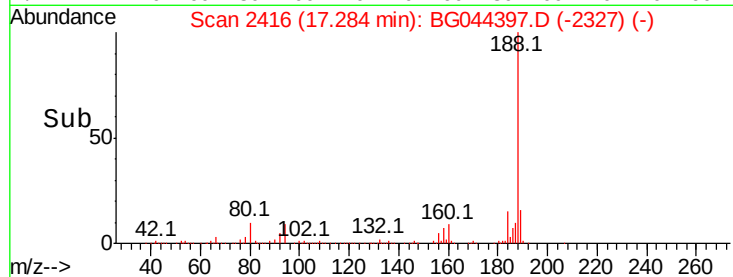
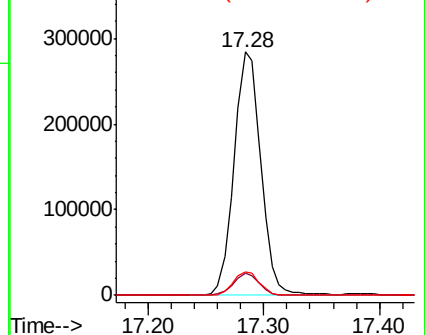
80 9.7 7.7 11.5



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: 4.963 ng

RT: 16.03 min Scan# 2203

Delta R.T. -0.45 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

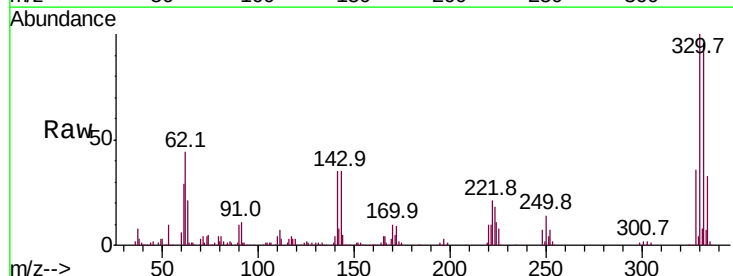
Tgt Ion:248 Resp: 24673

Ion Ratio Lower Upper

248 100

250 195.2 76.6 114.8#

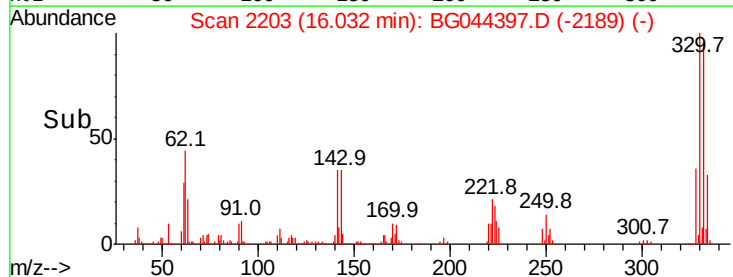
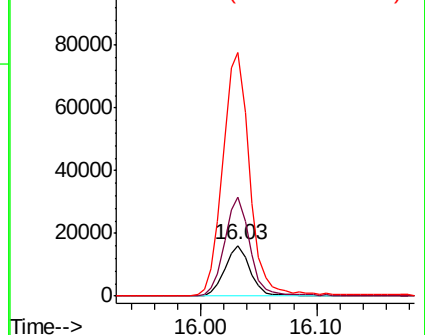
141 481.0 54.7 82.1#

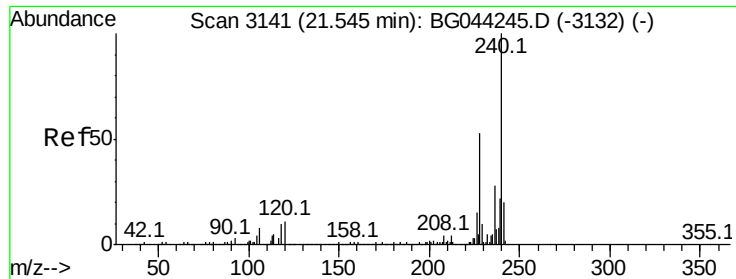


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.53 min Scan# 3139

Delta R.T. -0.00 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

Instrument :

BNA_G

ClientSampleId :

OK-03-021020

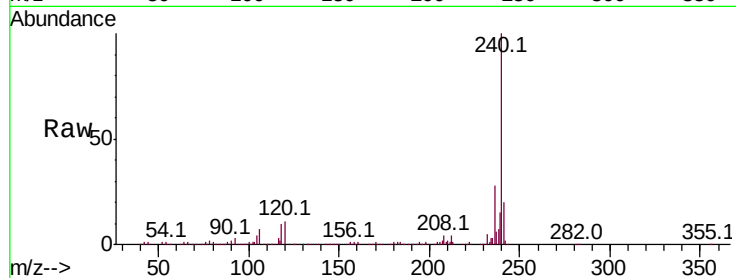
Tot Ion:240 Resp: 446935

Ion Ratio Lower Upper

240 100

120 10.8 8.4 12.6

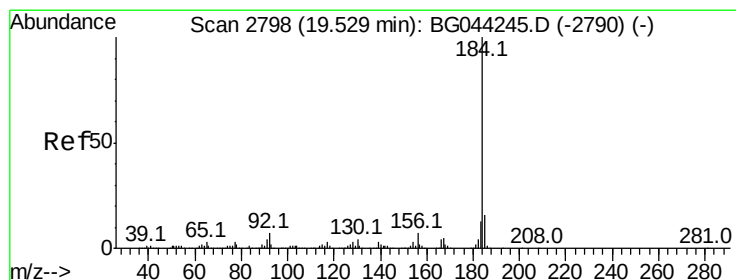
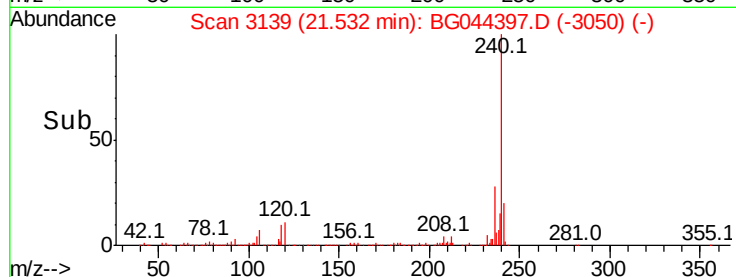
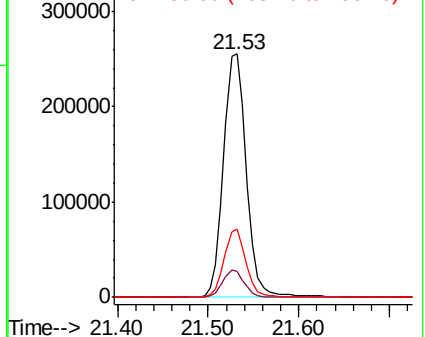
236 28.0 22.1 33.1



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: 2.642 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.38 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

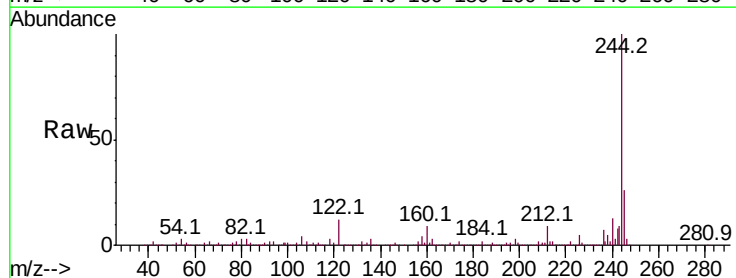
Tgt Ion:184 Resp: 32750

Ion Ratio Lower Upper

184 100

185 16.3 12.9 19.3

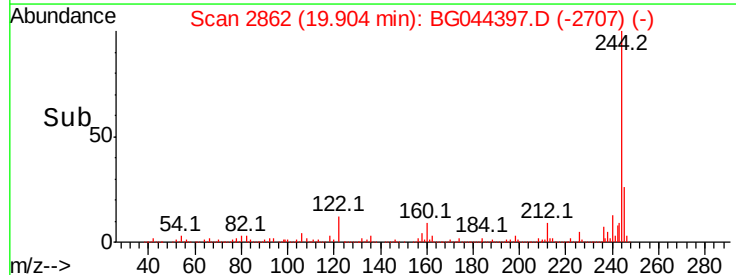
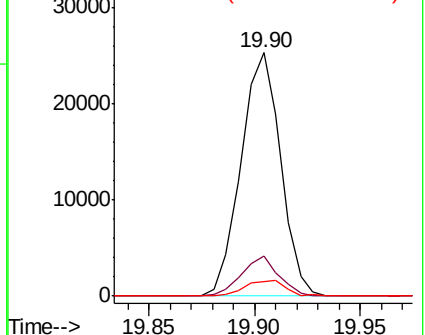
183 6.0 10.8 16.2#

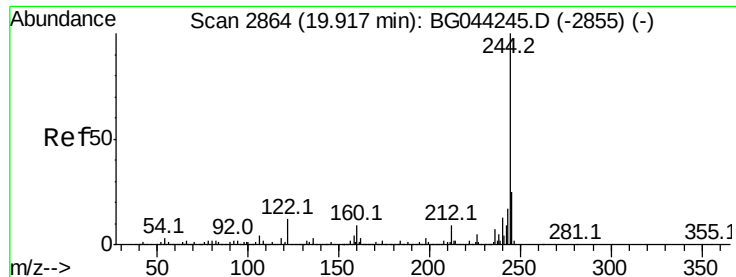


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 90.663 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

Instrument :

BNA_G

ClientSampleId :

OK-03-021020

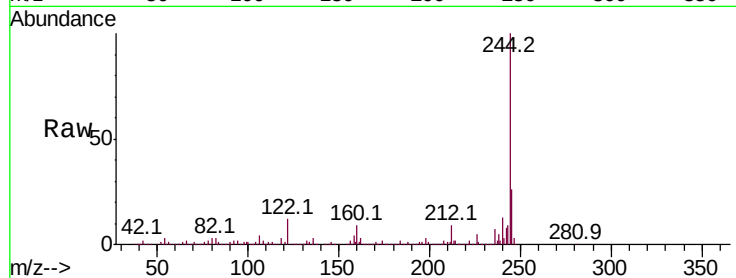
Tot Ion:244 Resp: 1970016

Ion Ratio Lower Upper

244 100

212 9.4 7.4 11.2

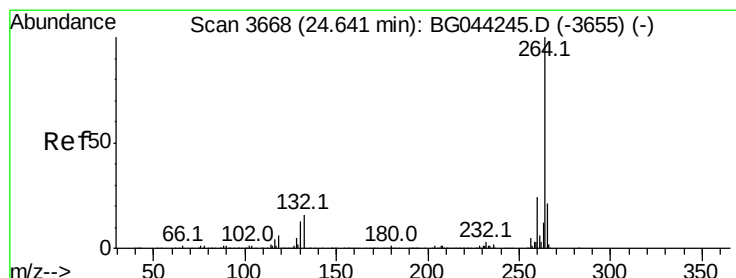
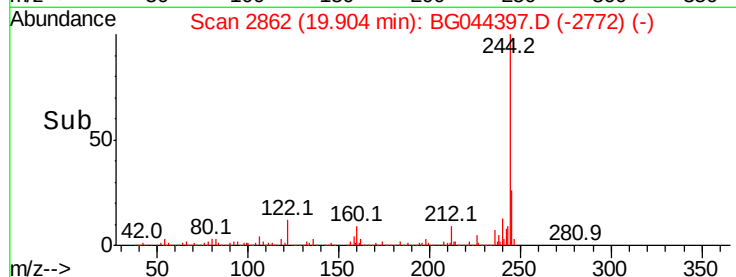
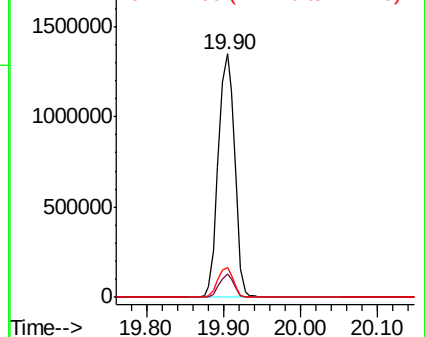
122 12.2 9.8 14.6



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: 24.62 min Scan# 3664

Delta R.T. -0.00 min

Lab File: BG044397.D

Acq: 11 Feb 2020 20:32

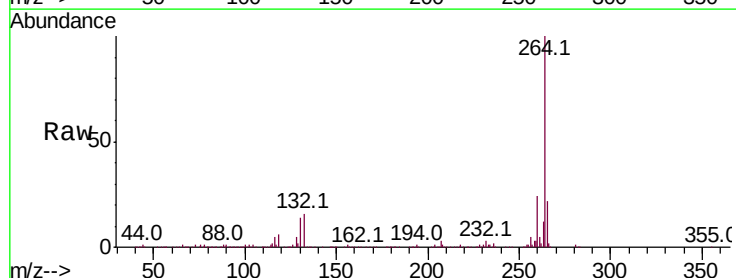
Tgt Ion:264 Resp: 462717

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 21.9 16.7 25.1



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

