

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032020\
 Data File : BG044925.D
 Acq On : 20 Mar 2020 18:34
 Operator : CG/JU
 Sample : L1966-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TEST-PIT-3

Quant Time: Mar 21 00:43:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	79841	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	316192	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	216262	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	506760	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	502565	20.00	ng	-0.02
87) Perylene-d12	24.89	264	531464	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	286718	55.90	ng	0.00
7) Phenol-d6	7.20	99	239286	32.11	ng	-0.01
23) Nitrobenzene-d5	9.20	82	624155	86.62	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	417689	147.51	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1338824	88.65	ng	0.00
79) Terphenyl-d14	20.03	244	1925603	71.67	ng	0.00

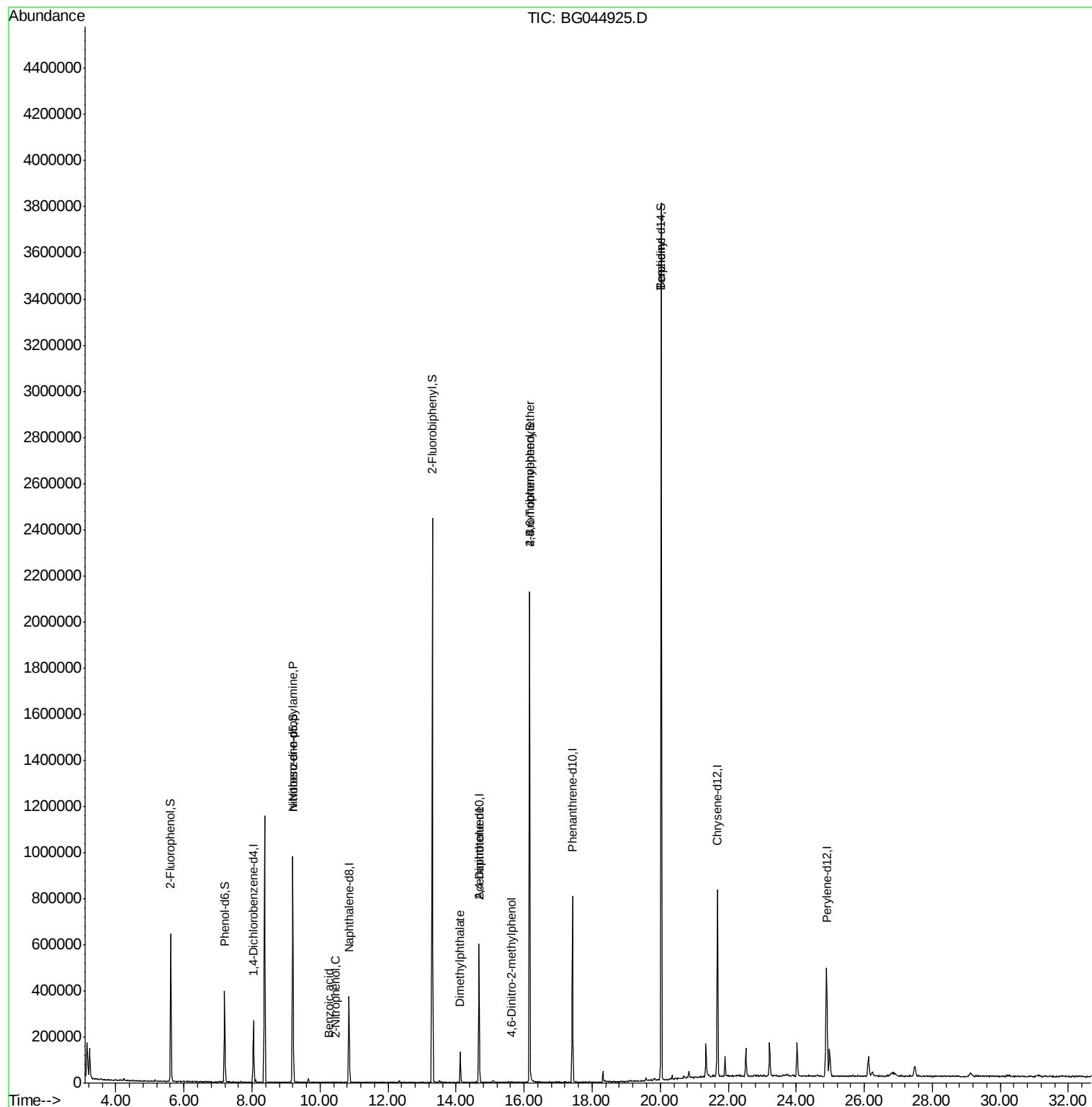
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	528	Below Cal	#	43
19) n-Nitroso-di-n-propylamine	9.20	70	83993	15.96	ng	74
26) 2-Nitrophenol	10.45	139	55	5.53	ng	28
32) Benzoic acid	10.27	122	57	9.68	ng	1
50) Dimethylphthalate	14.12	163	87496	5.08	ng	99
57) 2,4-Dinitrotoluene	14.67	165	29665	6.23	ng	23
65) 4,6-Dinitro-2-methylphenol	15.63	198	53	7.75	ng	11
67) 4-Bromophenyl-phenylether	16.16	248	27134	4.28	ng	1
77) Benzidine	20.03	184	36171	2.22	ng	89

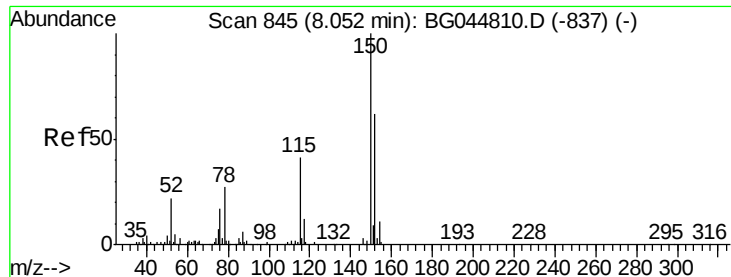
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BG044925.D

Acq: 20 Mar 2020 18:34

Instrument :

BNA_G

ClientSampleId :

TEST-PIT-3

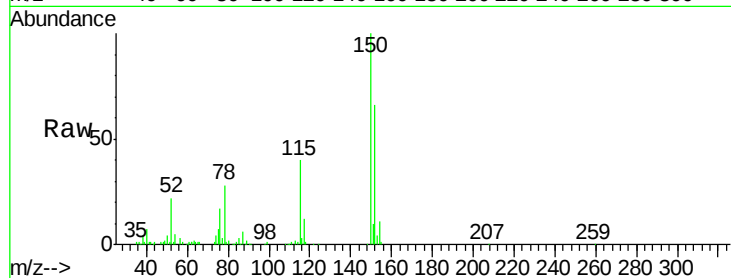
Tgt Ion:152 Resp: 79841

Ion Ratio Lower Upper

152 100

150 151.2 128.8 193.2

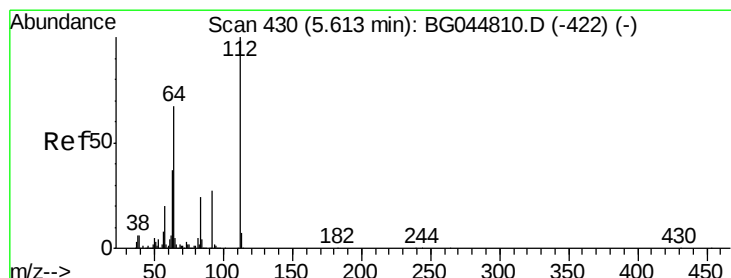
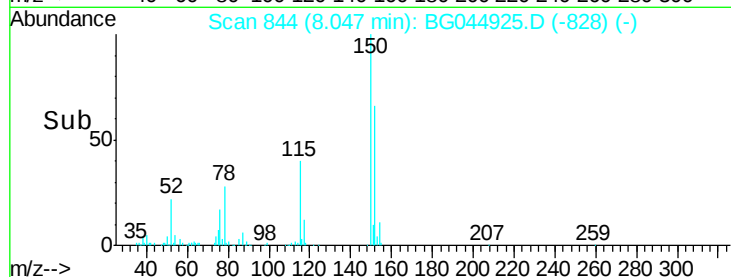
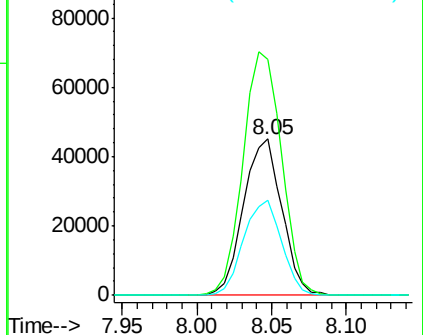
115 61.0 52.6 79.0



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: 55.90 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044925.D

Acq: 20 Mar 2020 18:34

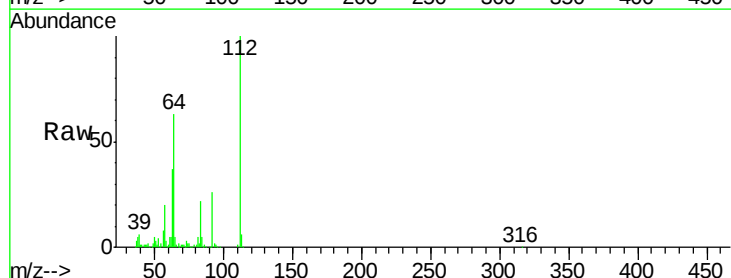
Tgt Ion:112 Resp: 286718

Ion Ratio Lower Upper

112 100

64 63.0 53.4 80.2

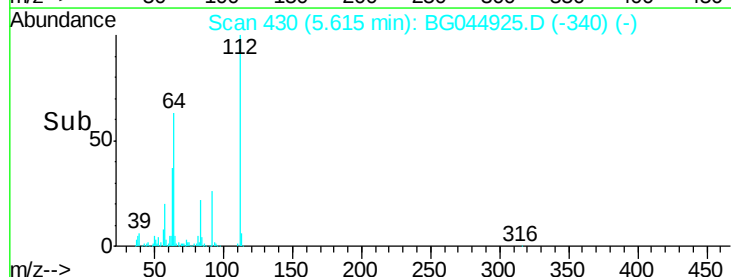
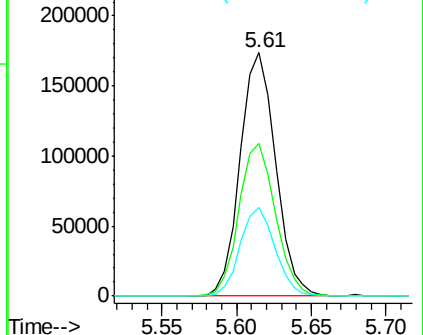
63 36.7 29.4 44.2

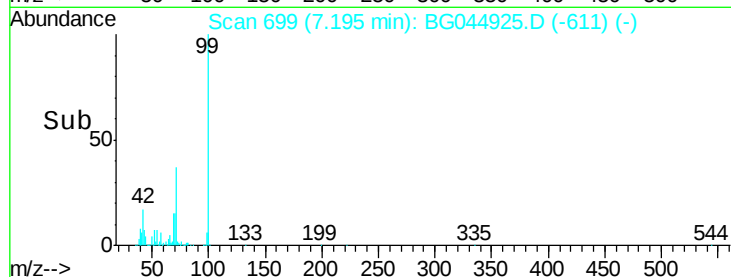
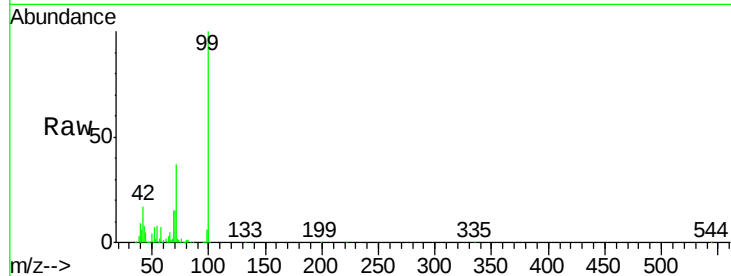
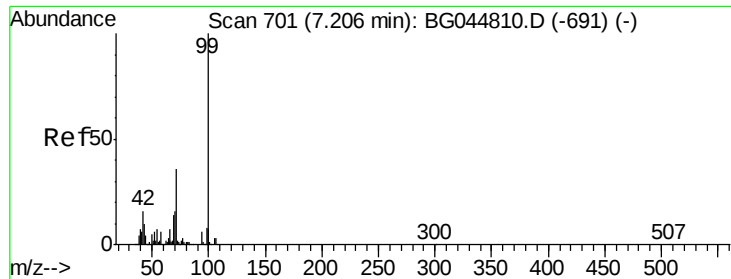


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 32.11 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG044925.D

Acq: 20 Mar 2020 18:34

Instrument :

BNA_G

ClientSampleId :

TEST-PIT-3

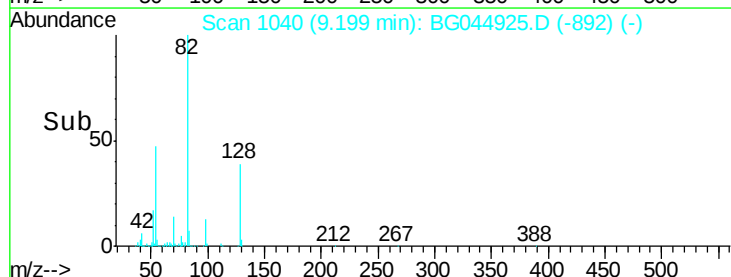
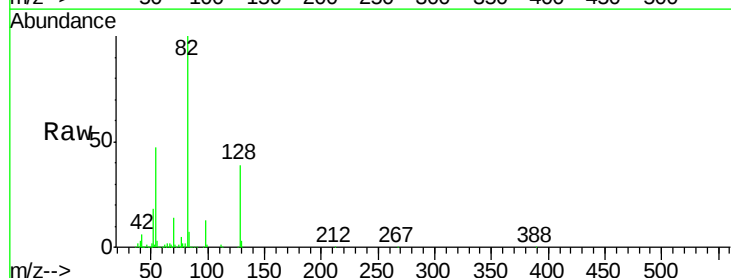
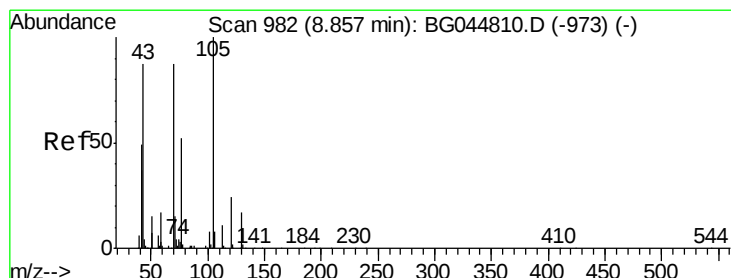
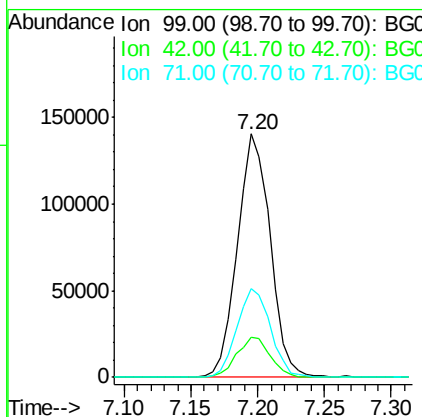
Tgt Ion: 99 Resp: 239286

Ion Ratio Lower Upper

99 100

42 16.6 12.6 19.0

71 36.7 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.96 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044925.D

Acq: 20 Mar 2020 18:34

Tgt Ion: 70 Resp: 83993

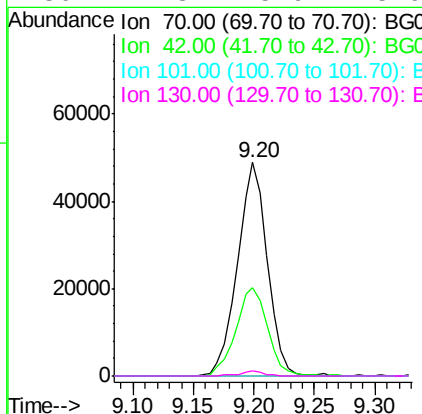
Ion Ratio Lower Upper

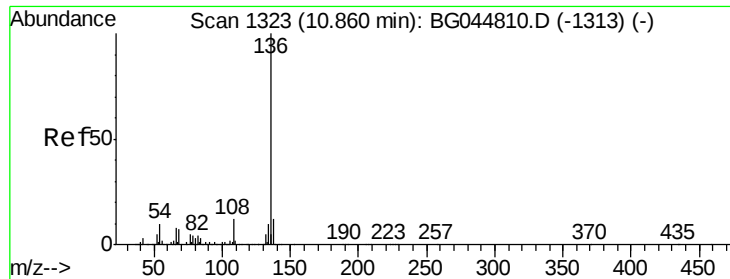
70 100

42 41.1 45.7 68.5#

101 0.0 7.4 11.2#

130 2.3 15.9 23.9#

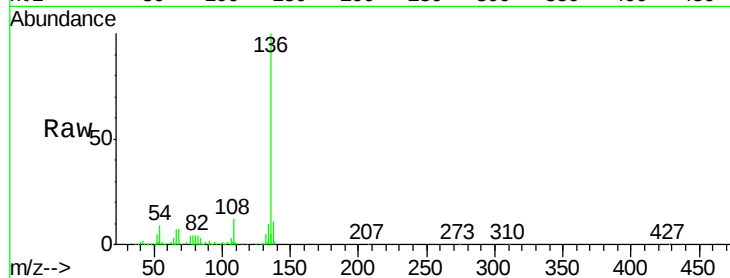




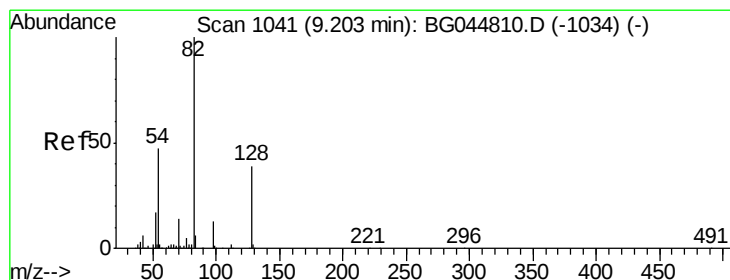
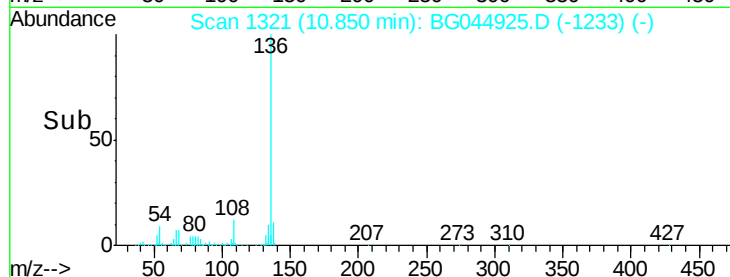
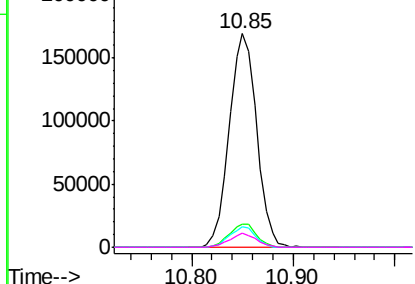
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044925.D
Acq: 20 Mar 2020 18:34

Instrument :
BNA_G
ClientSampleId :
TEST-PIT-3

Tgt Ion:	136	Resp:	316192
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.8	14.6
54	9.4	7.9	11.9
68	6.8	5.4	8.0

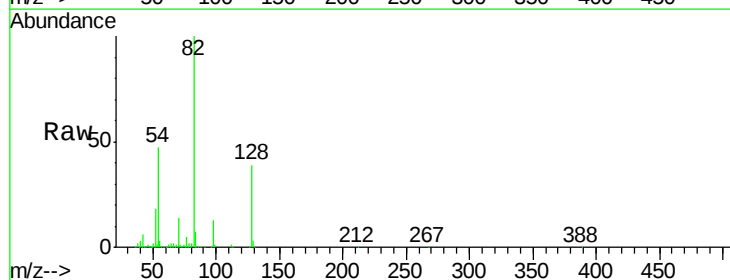


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

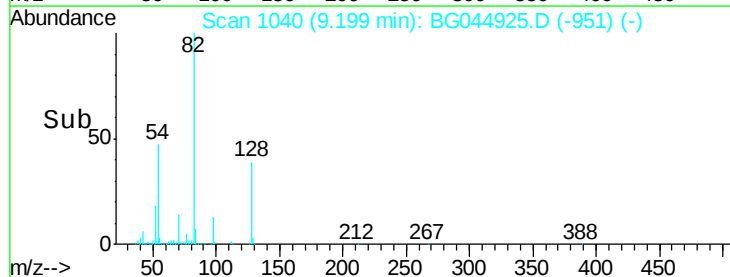
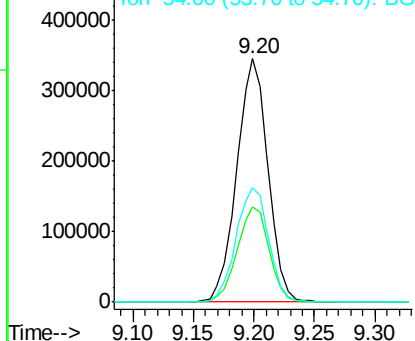


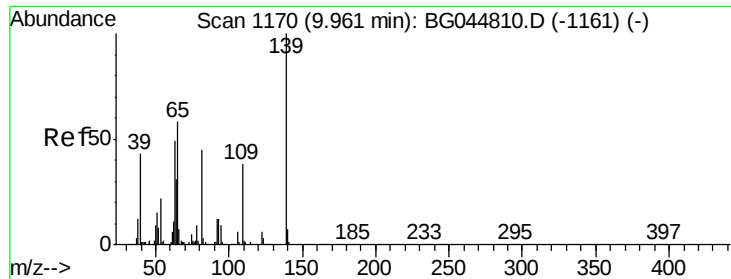
#23
Nitrobenzene-d5
Concen: 86.62 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044925.D
Acq: 20 Mar 2020 18:34

Tgt Ion:	82	Resp:	624155
Ion	Ratio	Lower	Upper
82	100		
128	38.9	30.6	46.0
54	47.1	37.1	55.7



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





#26

2-Nitrophenol

Concen: 5.53 ng

RT: 10.45 min Scan# 1253

Delta R.T. 0.49 min

Lab File: BG044925.D

Acq: 20 Mar 2020 18:34

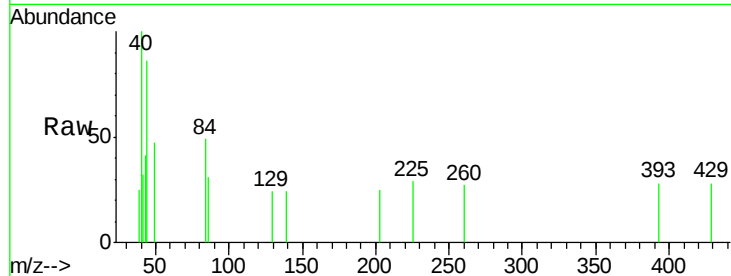
Instrument :

BNA_G

ClientSampleId :

TEST-PIT-3

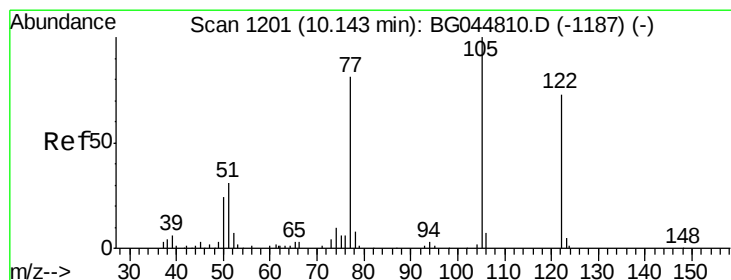
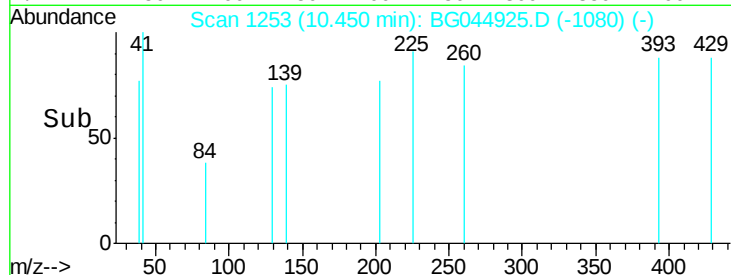
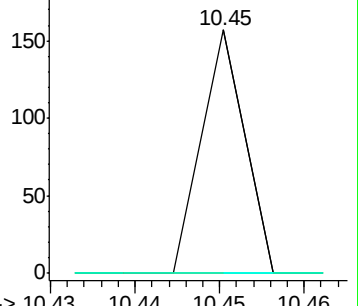
Tgt Ion:	139	Resp:	55
Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#32

Benzoic acid

Concen: 9.68 ng

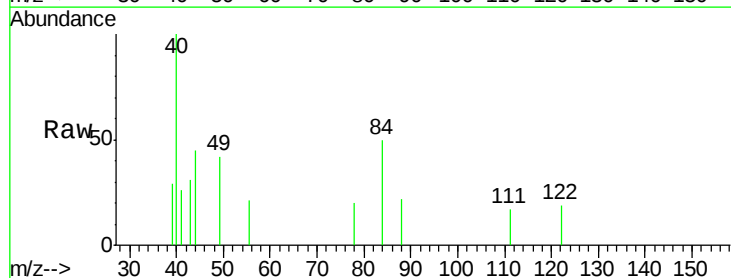
RT: 10.27 min Scan# 1223

Delta R.T. 0.13 min

Lab File: BG044925.D

Acq: 20 Mar 2020 18:34

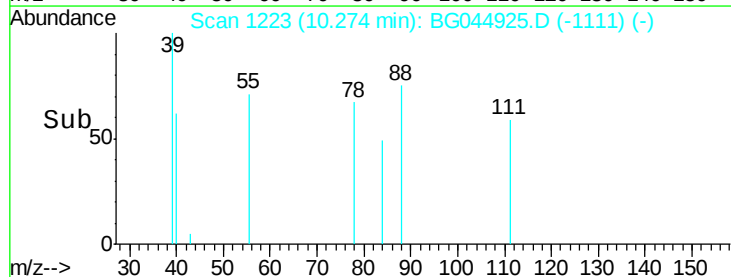
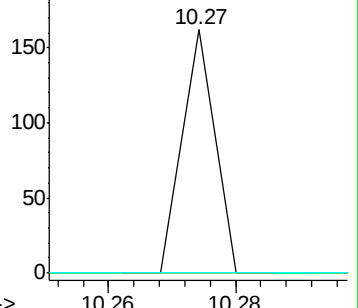
Tgt Ion:	122	Resp:	57
Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#

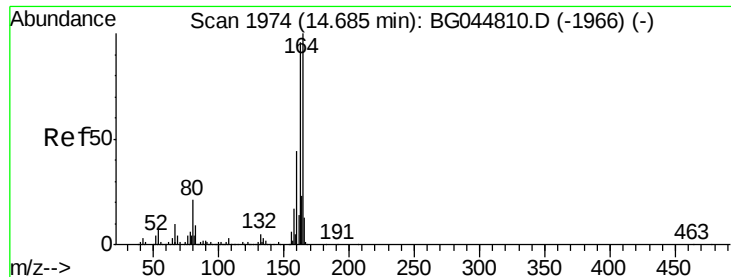


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044925.D

Acq: 20 Mar 2020 18:34

Instrument :

BNA_G

ClientSampleId :

TEST-PIT-3

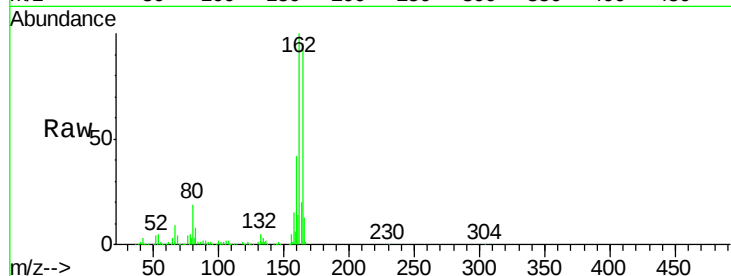
Tgt Ion:164 Resp: 216262

Ion Ratio Lower Upper

164 100

162 105.3 76.7 115.1

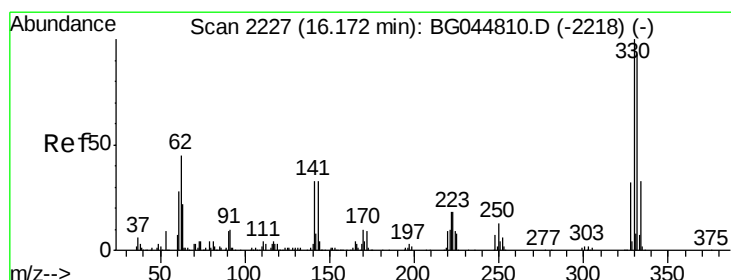
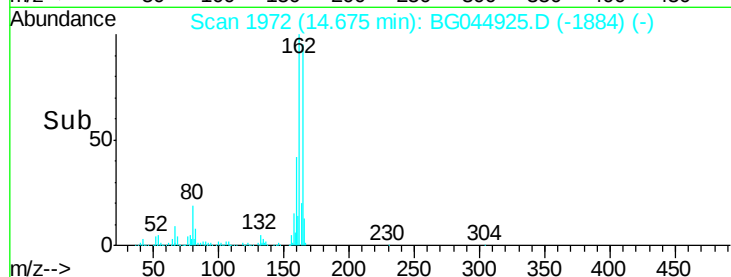
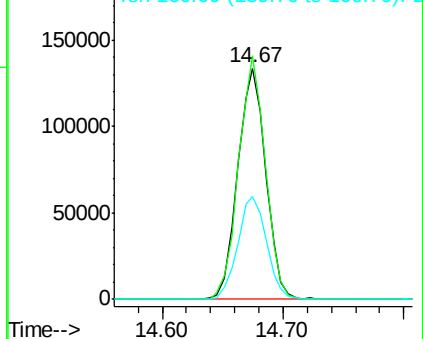
160 44.5 35.0 52.4



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: 147.51 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044925.D

Acq: 20 Mar 2020 18:34

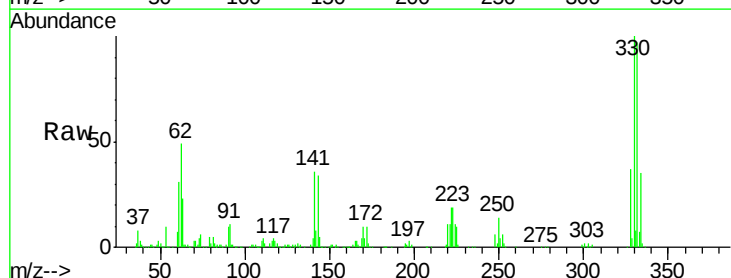
Tgt Ion:330 Resp: 417689

Ion Ratio Lower Upper

330 100

332 98.6 77.8 116.6

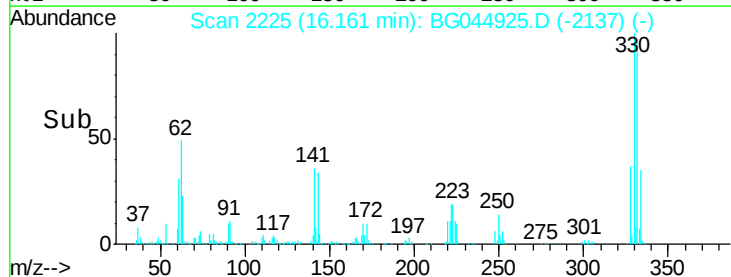
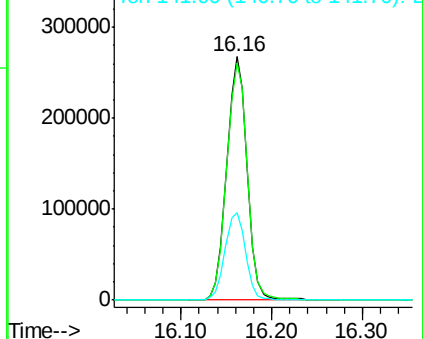
141 36.4 29.5 44.3

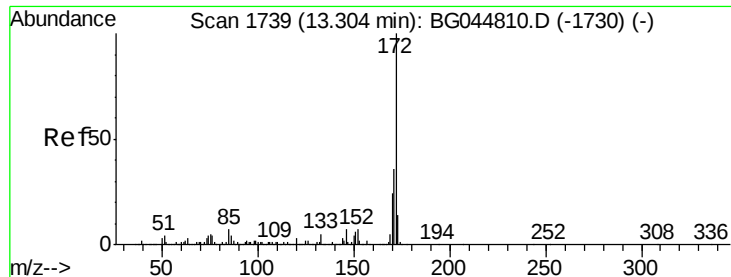


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

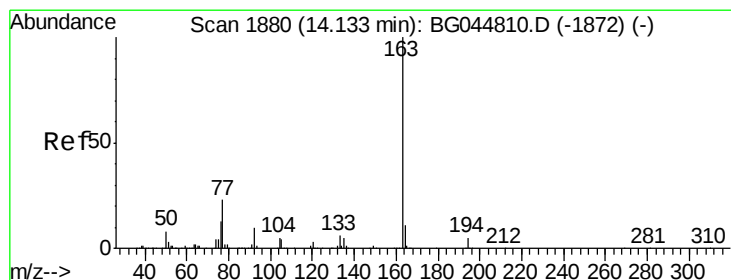
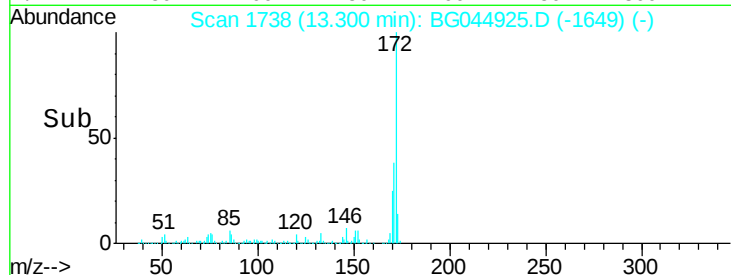
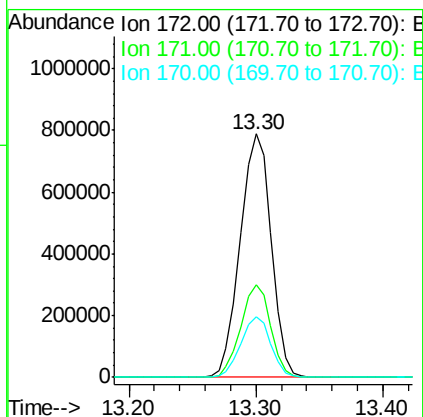
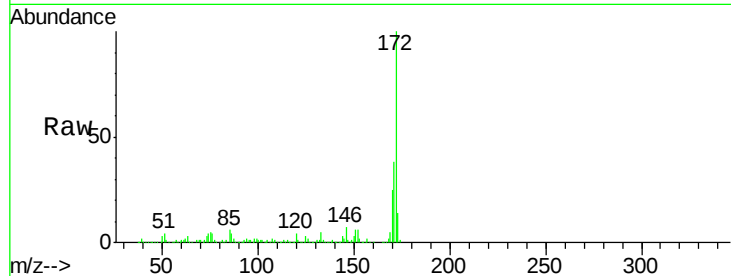




#45
2-Fluorobiphenyl
Concen: 88.65 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044925.D
Acq: 20 Mar 2020 18:34

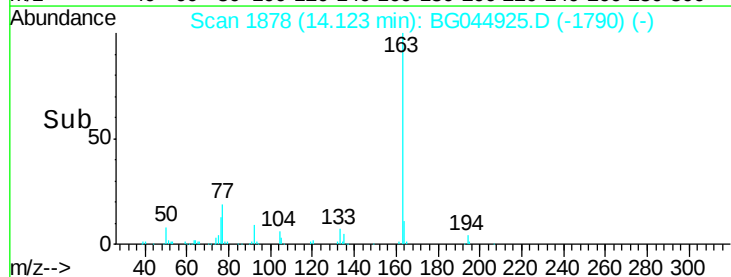
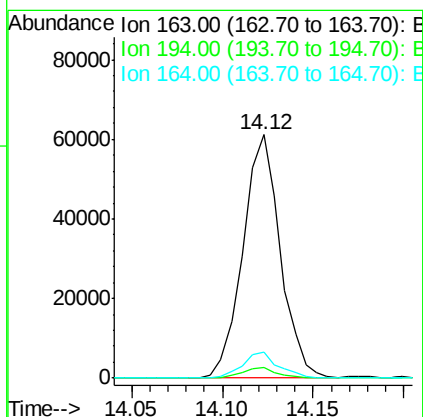
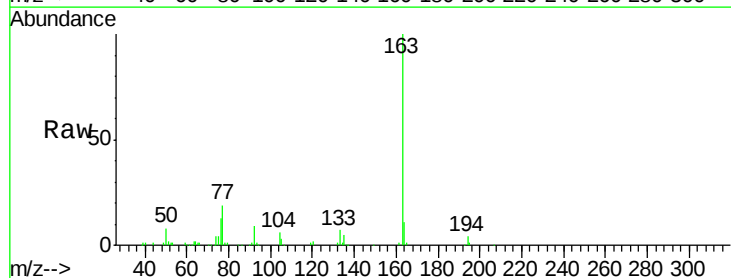
Instrument :
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ClientSampleId :
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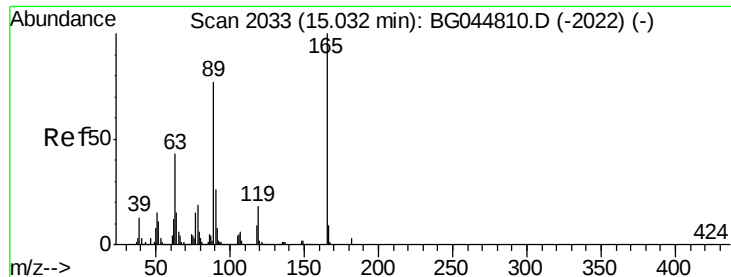
Tgt Ion:172 Resp: 1338824
Ion Ratio Lower Upper
172 100
171 37.9 28.7 43.1
170 24.6 19.0 28.6



#50
Dimethylphthalate
Concen: 5.08 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044925.D
Acq: 20 Mar 2020 18:34

Tgt Ion:163 Resp: 87496
Ion Ratio Lower Upper
163 100
194 4.4 3.7 5.5
164 10.7 9.1 13.7

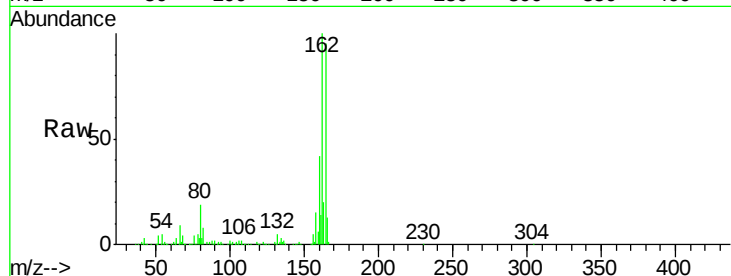




#57
2,4-Dinitrotoluene
Concen: 6.23 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044925.D
Acq: 20 Mar 2020 18:34

Instrument :
BNA_G
ClientSampleId :
TEST-PIT-3

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.6	52.0#
89	1.8	61.3	91.9#
182	0.0	2.2	3.2#

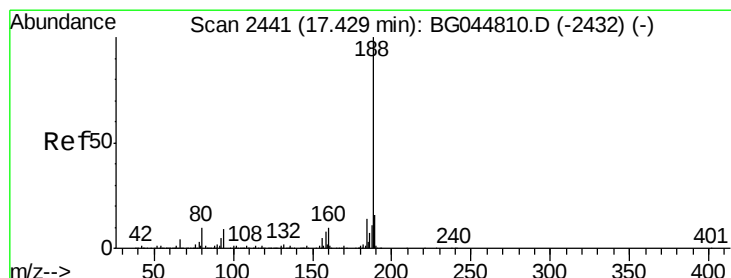
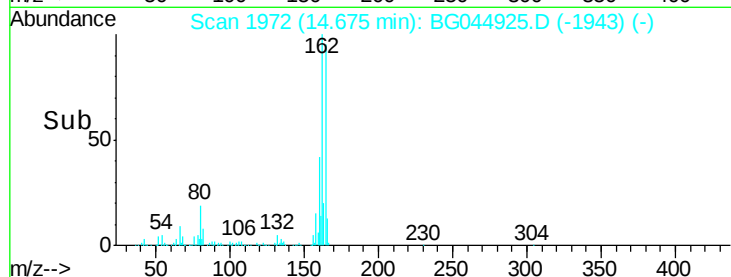
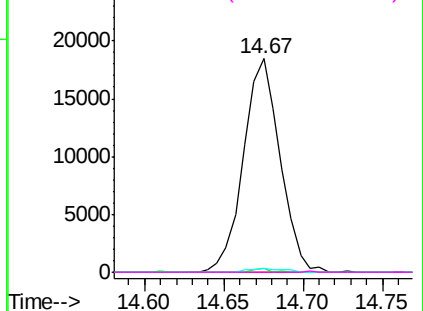


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

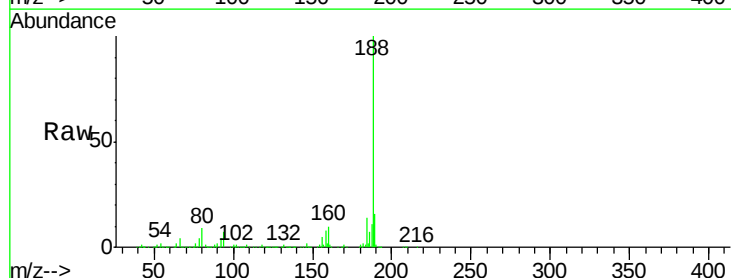
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.01 min
Lab File: BG044925.D
Acq: 20 Mar 2020 18:34

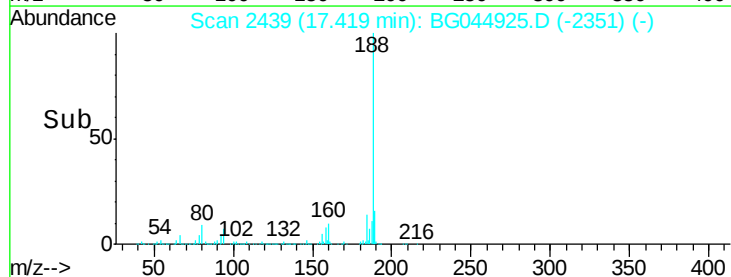
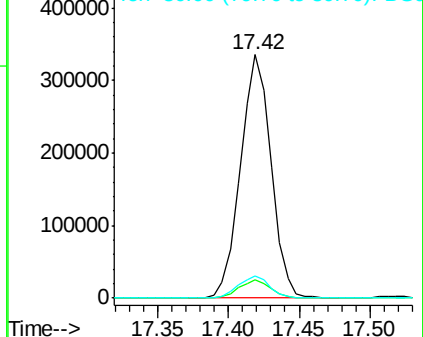
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	7.3	10.9
80	8.9	8.0	12.0

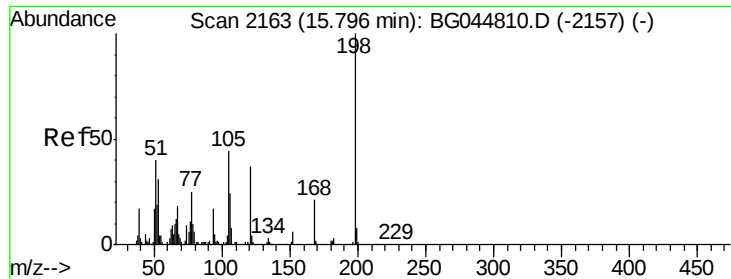


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

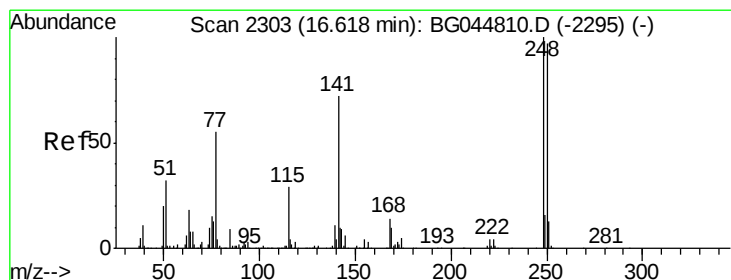
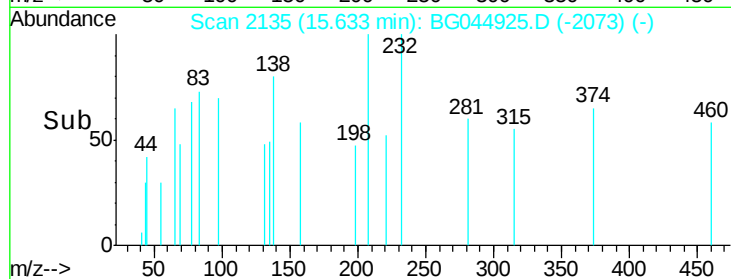
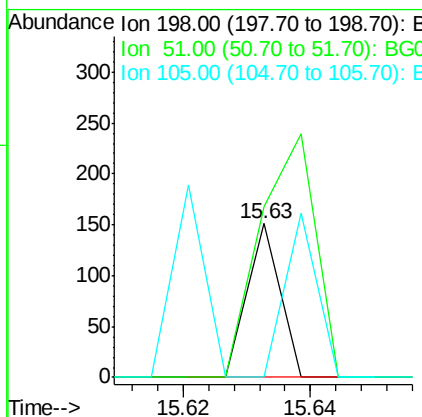
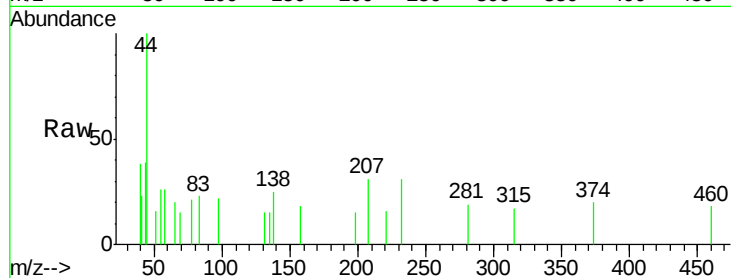




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.75 ng
 RT: 15.63 min Scan# 2135
 Delta R.T. -0.16 min
 Lab File: BG044925.D
 Acq: 20 Mar 2020 18:34

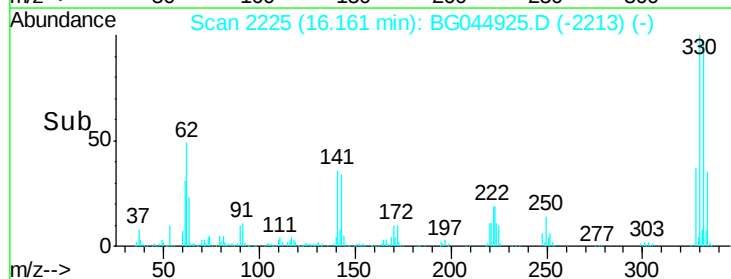
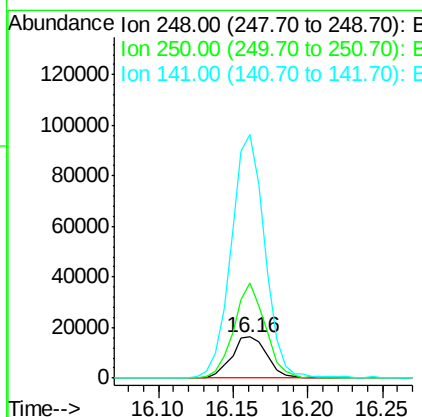
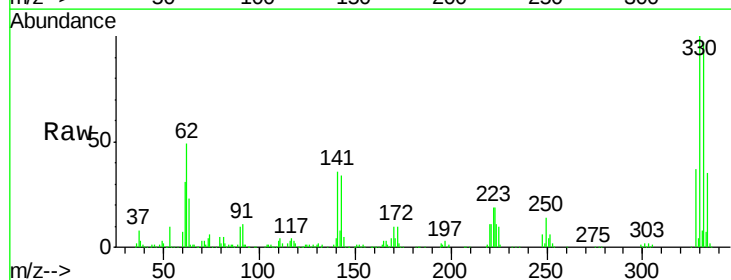
Instrument :
 BNA_G
 ClientSampleId :
 TEST-PIT-3

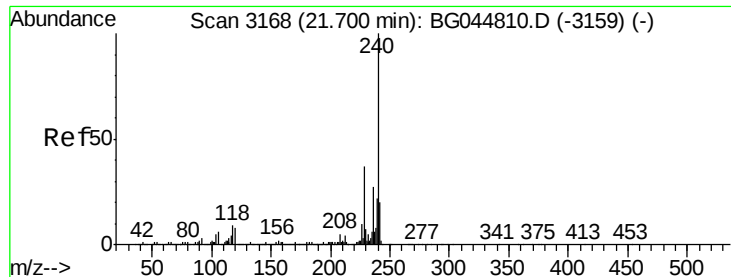
Tgt Ion:198 Resp: 53
 Ion Ratio Lower Upper
 198 100
 51 111.3 21.1 61.1#
 105 0.0 24.5 64.5#



#67
 4-Bromophenyl-phenylether
 Concen: 4.28 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044925.D
 Acq: 20 Mar 2020 18:34

Tgt Ion:248 Resp: 27134
 Ion Ratio Lower Upper
 248 100
 250 233.2 77.9 116.9#
 141 596.6 57.5 86.3#





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG044925.D

Acq: 20 Mar 2020 18:34

Instrument :

BNA_G

ClientSampleId :

TEST-PIT-3

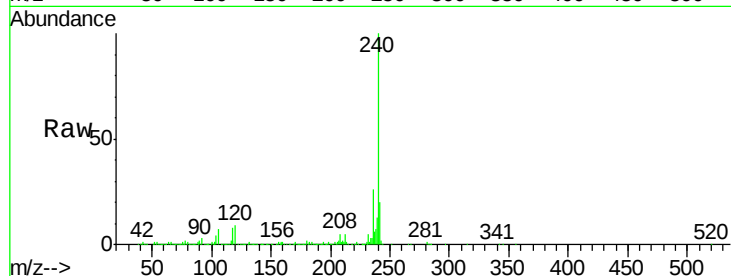
Tgt Ion:240 Resp: 502565

Ion Ratio Lower Upper

240 100

120 9.1 6.7 10.1

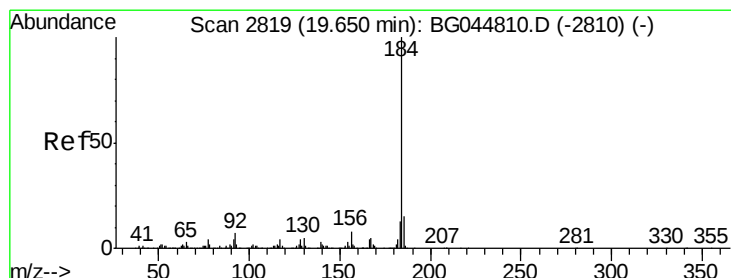
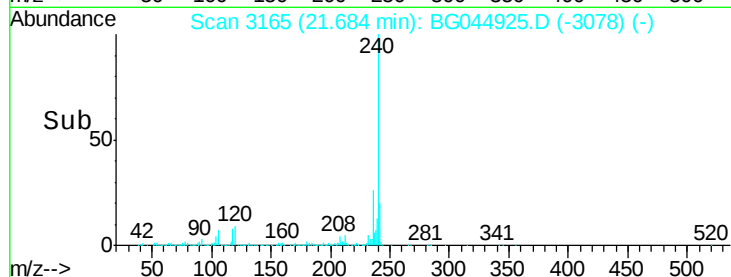
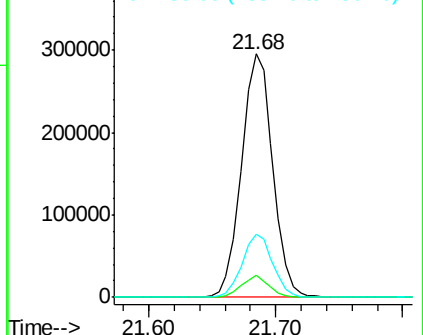
236 25.9 21.5 32.3



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: 2.22 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG044925.D

Acq: 20 Mar 2020 18:34

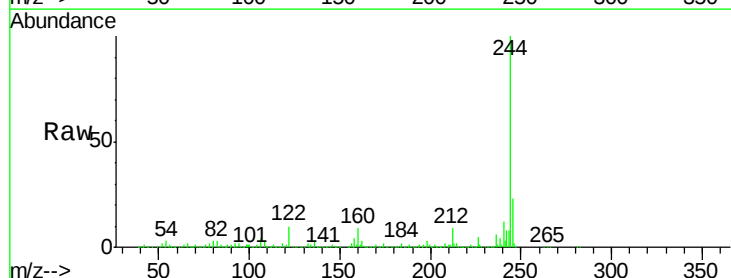
Tgt Ion:184 Resp: 36171

Ion Ratio Lower Upper

184 100

185 16.6 12.2 18.4

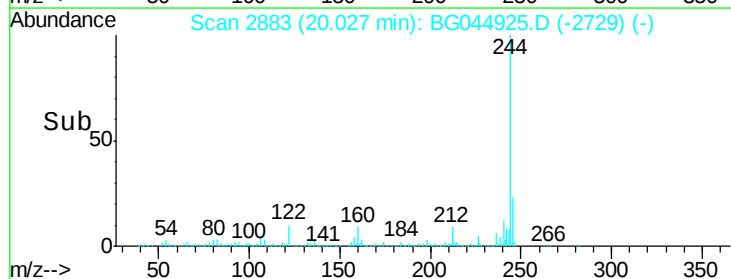
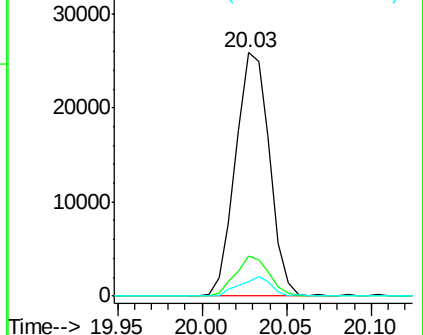
183 5.7 10.7 16.1#

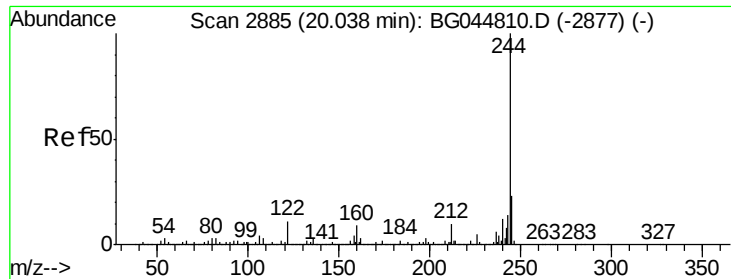


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 71.67 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044925.D

Acq: 20 Mar 2020 18:34

Instrument :

BNA_G

ClientSampleId :

TEST-PIT-3

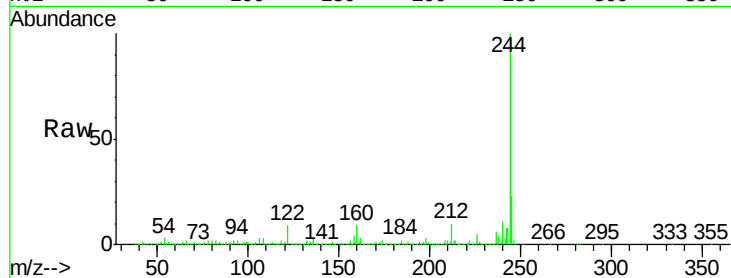
Tgt Ion:244 Resp: 1925603

Ion Ratio Lower Upper

244 100

212 9.6 7.7 11.5

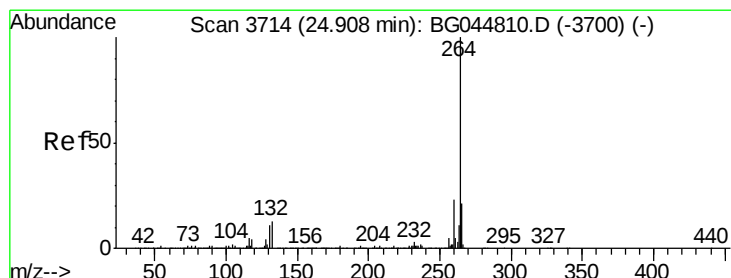
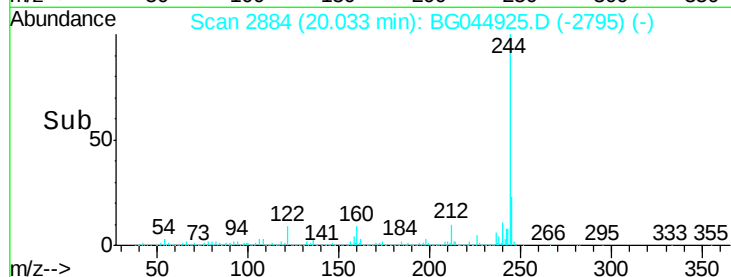
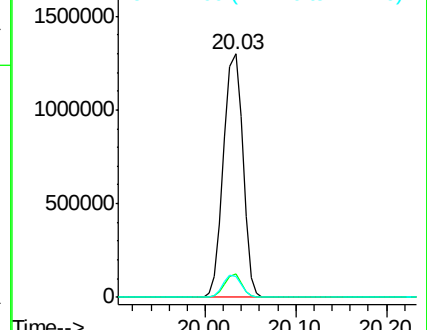
122 8.6 8.6 12.8



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: 20.00 ng

RT: 24.89 min Scan# 3711

Delta R.T. -0.02 min

Lab File: BG044925.D

Acq: 20 Mar 2020 18:34

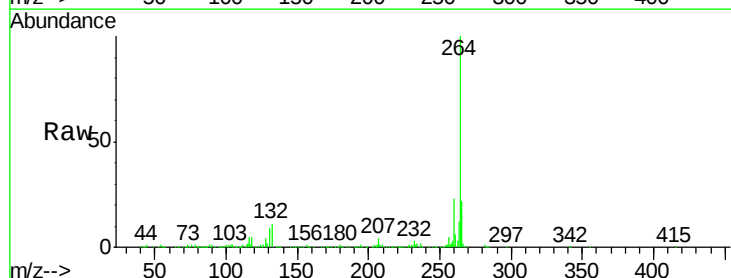
Tgt Ion:264 Resp: 531464

Ion Ratio Lower Upper

264 100

260 22.8 18.1 27.1

265 21.6 17.1 25.7



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

