

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050719\
 Data File : BG040773.D
 Acq On : 7 May 2019 17:14
 Operator : HP/JU
 Sample : K2668-01RX
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: May 08 03:54:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

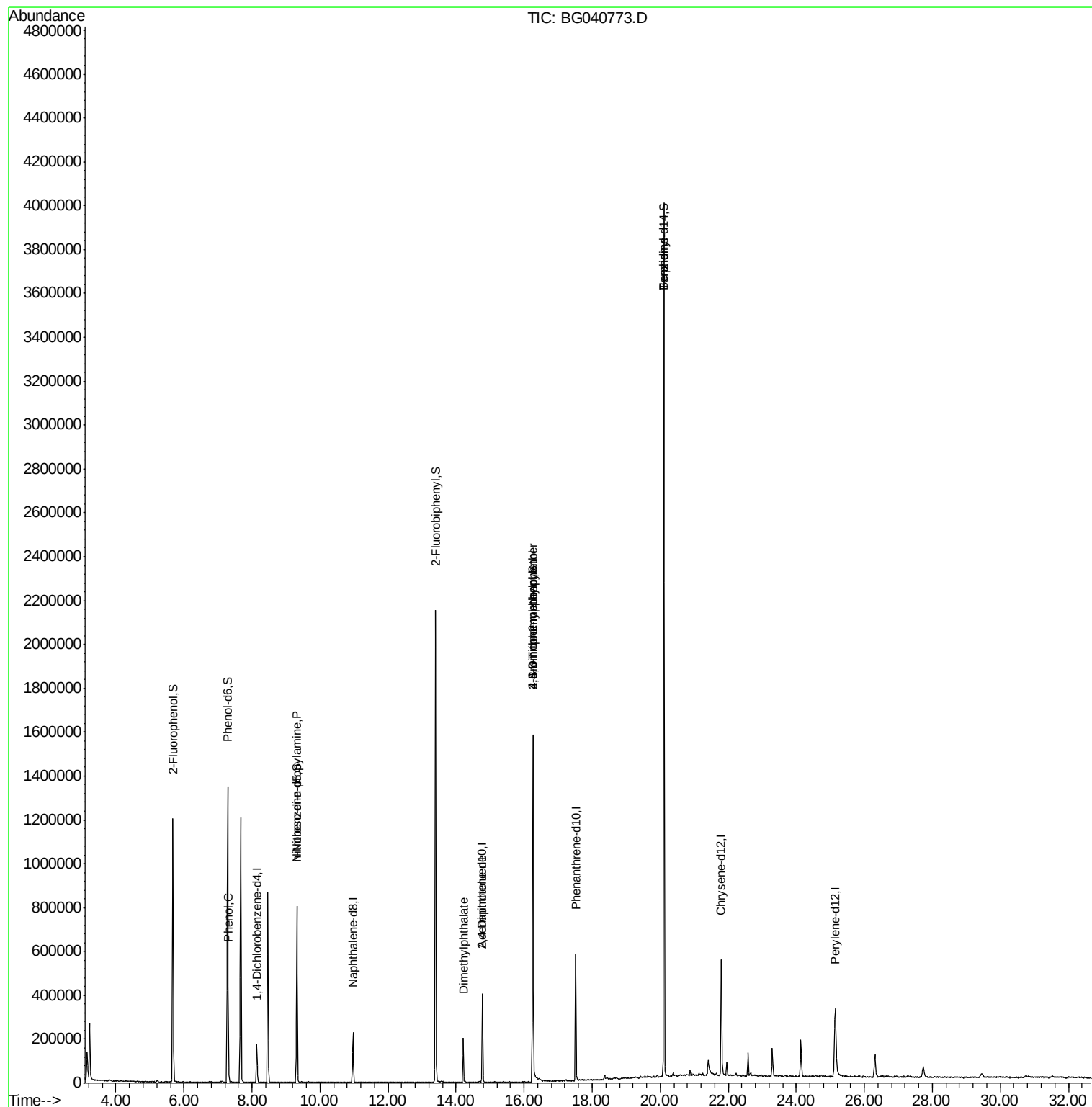
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	43477	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	181143	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	138594	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	355675	20.00	ng	-0.02
76) Chrysene-d12	21.79	240	346767	20.00	ng	-0.03
87) Perylene-d12	25.16	264	331091	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	446171	180.90	ng	-0.01
7) Phenol-d6	7.28	99	682400	179.69	ng	-0.01
23) Nitrobenzene-d5	9.32	82	471676	120.32	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	302183	158.63	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	1061142	110.57	ng	-0.02
79) Terphenyl-d14	20.11	244	1861449	118.92	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	2145	Below Cal		Qvalue # 12
10) Phenol	7.31	94	33510	8.209	ng	84
19) n-Nitroso-di-n-propylamine	9.32	70	65705	19.220	ng	# 74
50) Dimethylphthalate	14.22	163	127371	10.984	ng	98
57) 2,4-Dinitrotoluene	14.77	165	16686	5.426	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.25	198	762	7.472	ng	# 1
67) 4-Bromophenyl-phenylether	16.25	248	23053	5.202	ng	# 1
77) Benzidine	20.11	184	35707	3.761	ng	# 83

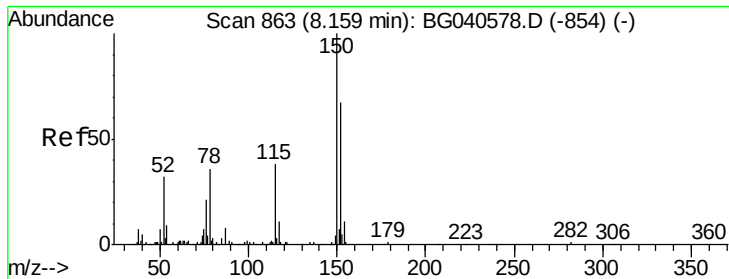
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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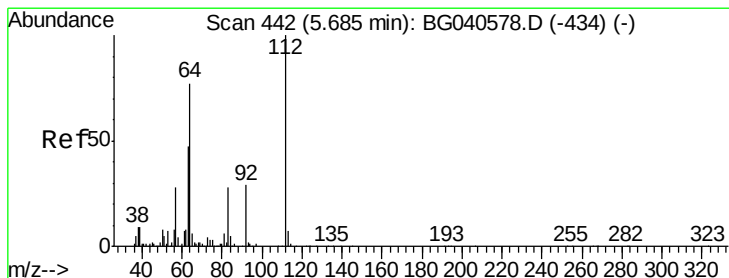
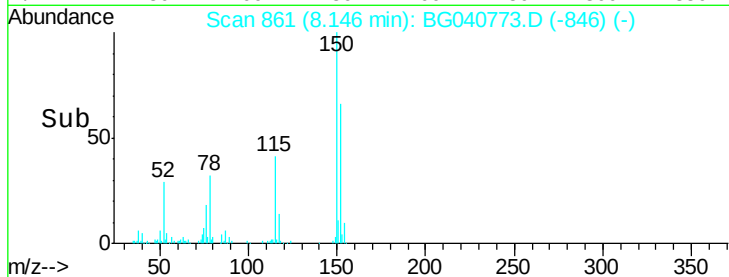
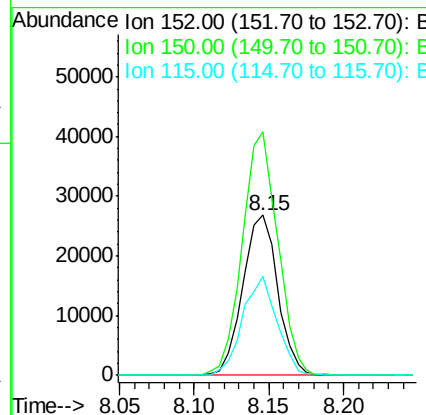
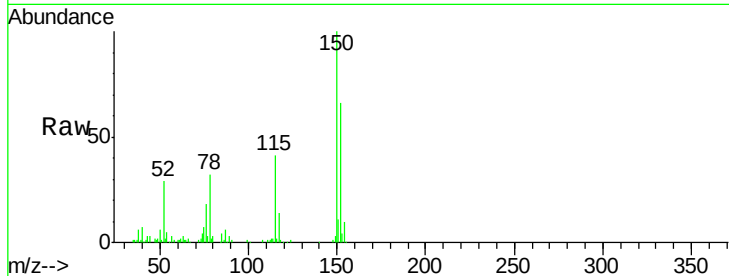


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040773.D
Acq: 7 May 2019 17:14

Instrument :
BNA_G
ClientSampleId :
TP-1

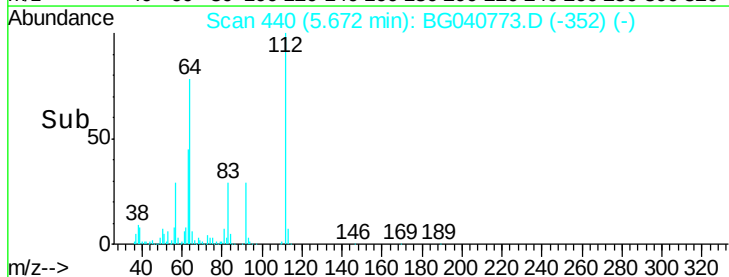
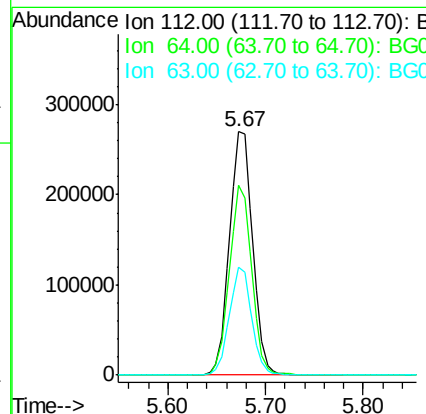
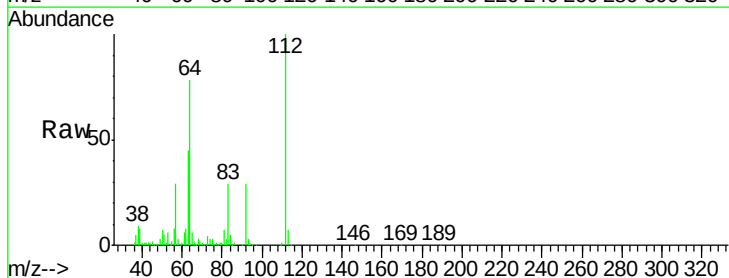
Tot Ion:152 Resp: 43477
Ion Ratio Lower Upper
152 100
150 152.2 120.2 180.2
115 62.0 46.2 69.2

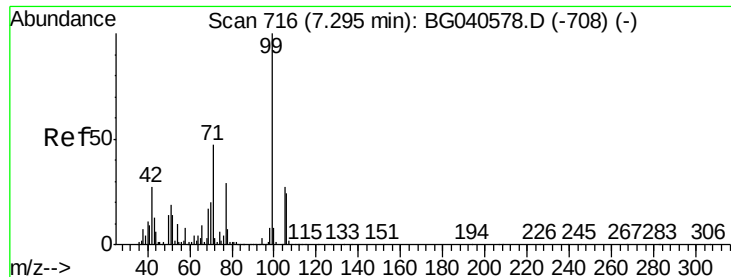


#5

2-Fluorophenol
Concen: 180.899 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040773.D
Acq: 7 May 2019 17:14

Tgt Ion:112 Resp: 446171
Ion Ratio Lower Upper
112 100
64 77.7 61.4 92.0
63 44.5 37.8 56.6





#7

Phenol-d6

Concen: 179.694 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040773.D

Acq: 7 May 2019 17:14

Instrument :

BNA_G

ClientSampled :

TP-1

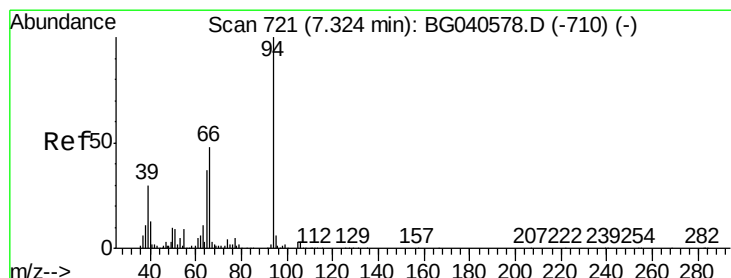
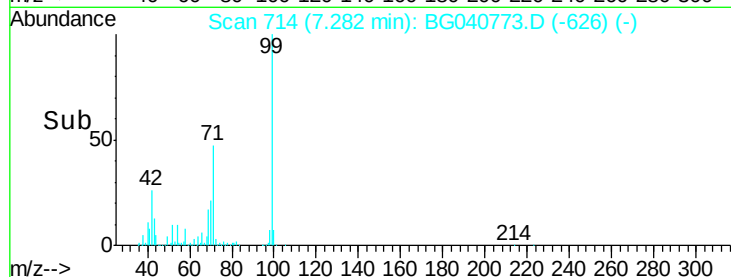
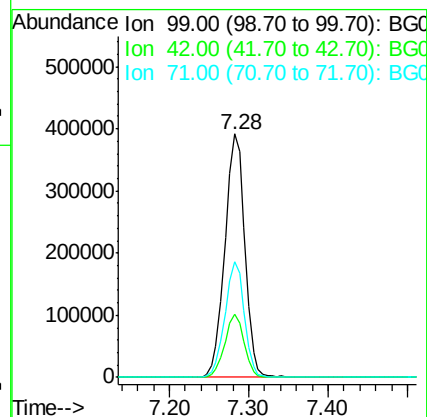
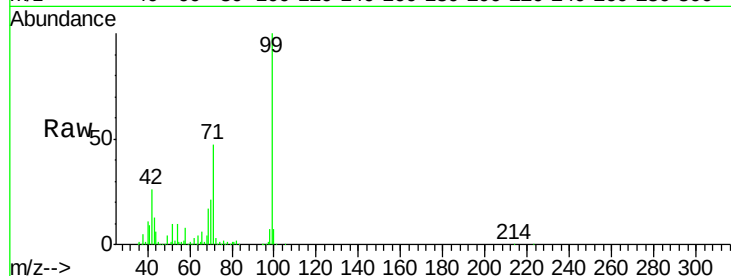
Tot Ion: 99 Resp: 682400

Ion Ratio Lower Upper

99 100

42 25.7 21.8 32.8

71 47.3 38.6 57.8



#10

Phenol

Concen: 8.209 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BG040773.D

Acq: 7 May 2019 17:14

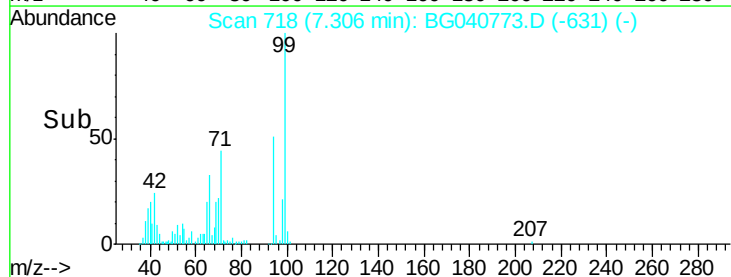
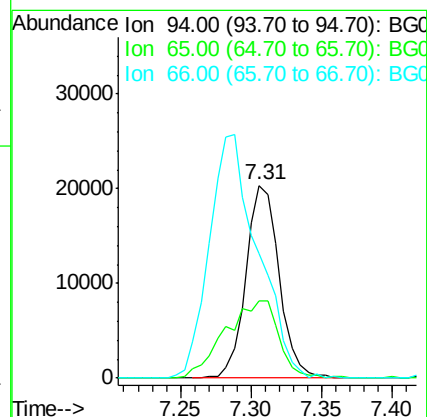
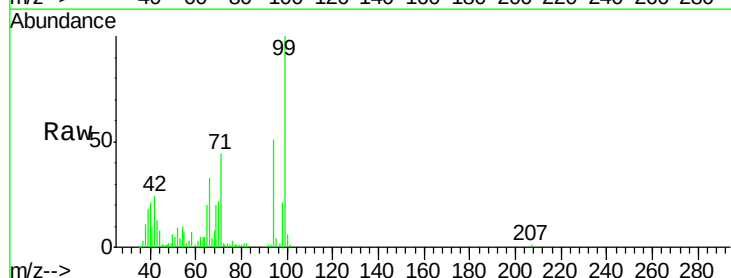
Tgt Ion: 94 Resp: 33510

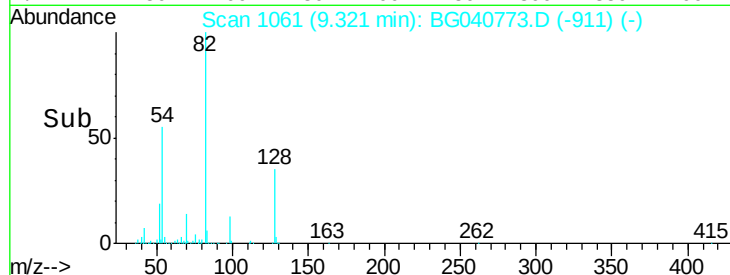
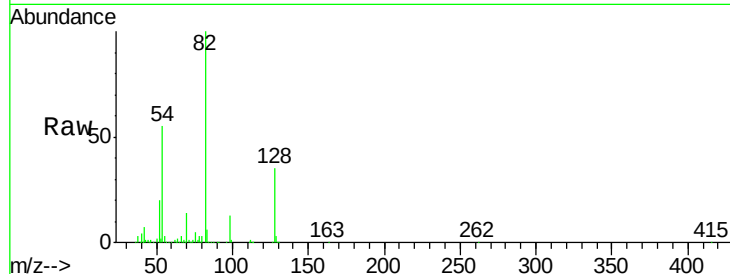
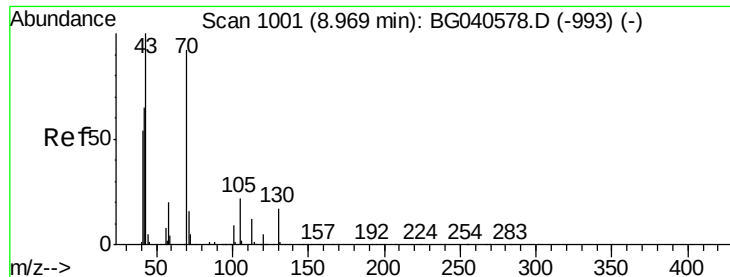
Ion Ratio Lower Upper

94 100

65 40.3 17.0 57.0

66 64.7 28.6 68.6

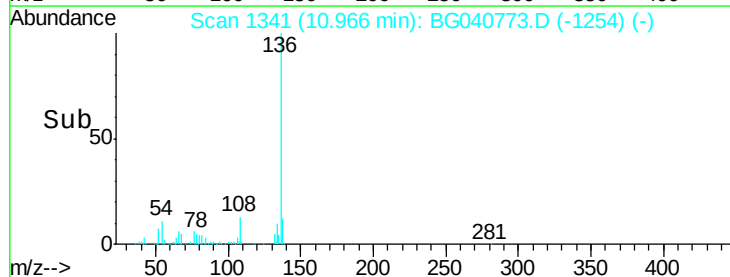
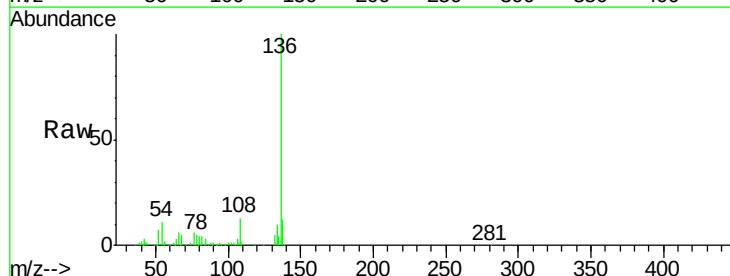
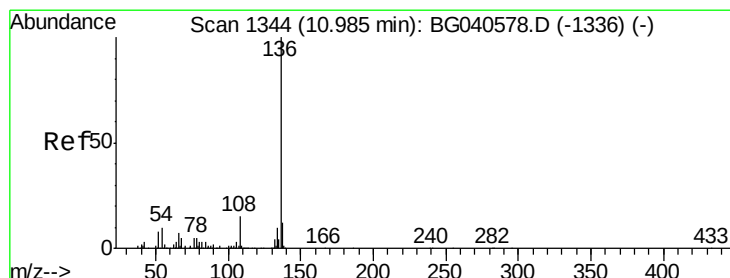
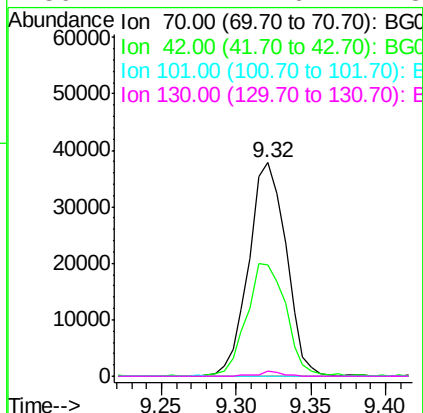




#19
n-Nitroso-di-n-propylamine
Concen: 19.220 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040773.D
Acq: 7 May 2019 17:14

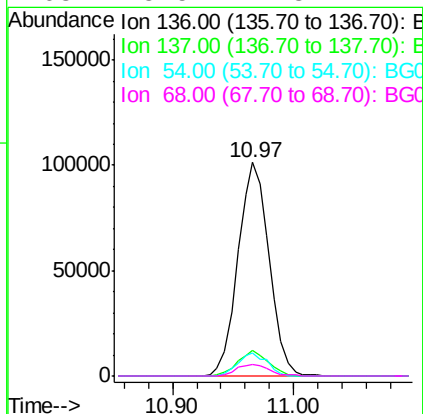
Instrument :
BNA_G
ClientSampleId :
TP-1

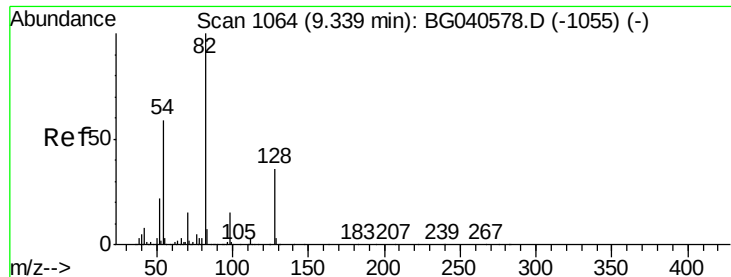
Tot Ion:	70	Resp:	65705
Ion	Ratio	Lower	Upper
70	100		
42	51.9	57.1	85.7#
101	0.0	7.8	11.8#
130	2.2	14.6	21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040773.D
Acq: 7 May 2019 17:14

Tgt Ion:	136	Resp:	181143
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	11.0	8.6	12.8
68	5.5	4.8	7.2

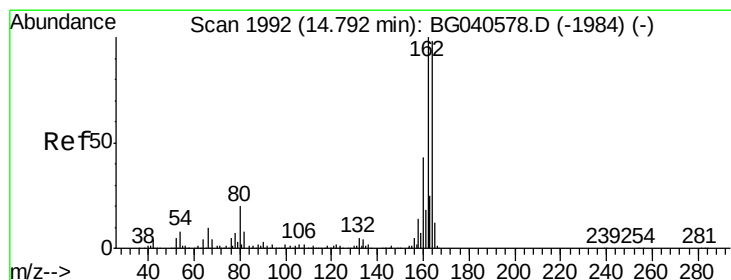
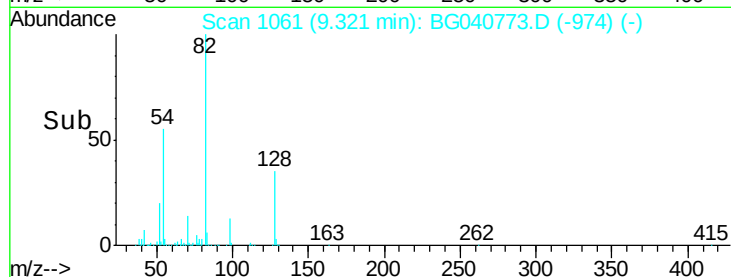
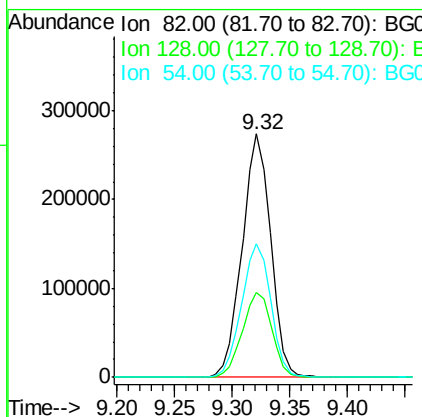
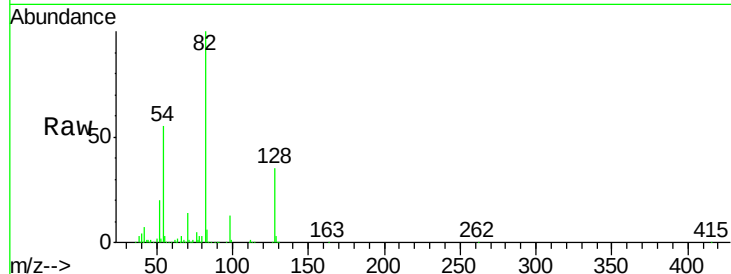




#23
 Nitrobenzene-d5
 Concen: 120.316 ng
 RT: 9.32 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BG040773.D
 Acq: 7 May 2019 17:14

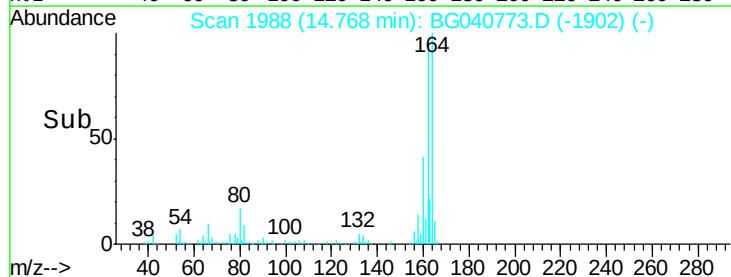
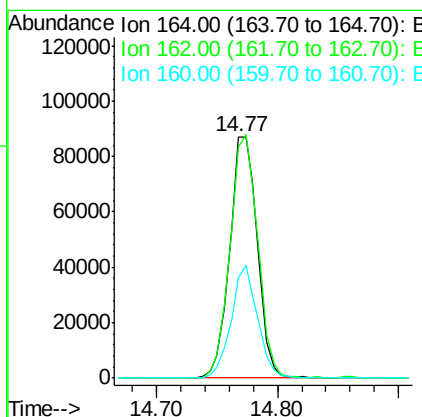
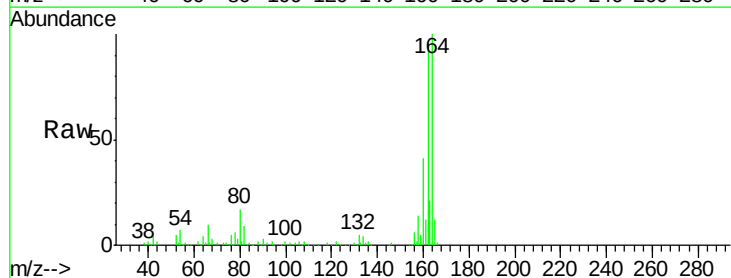
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

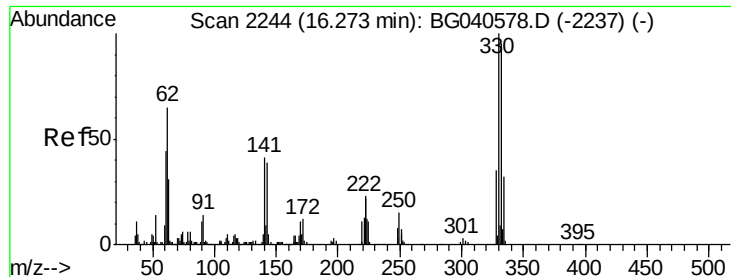
Tot Ion	82	Resp	471676
Ion Ratio	Lower	Upper	
82	100		
128	34.9	28.9	43.3
54	54.7	47.2	70.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.02 min
 Lab File: BG040773.D
 Acq: 7 May 2019 17:14

Tgt Ion	164	Resp	138594
Ion Ratio	Lower	Upper	
164	100		
162	95.9	81.9	122.9
160	41.4	35.4	53.2

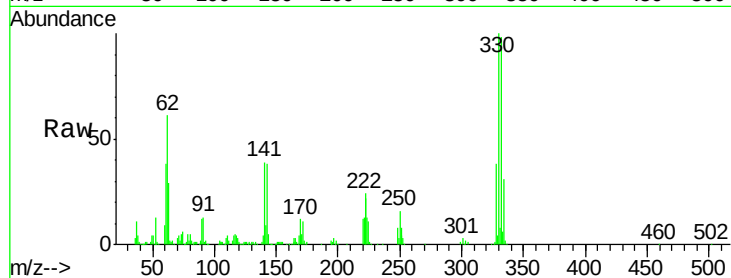




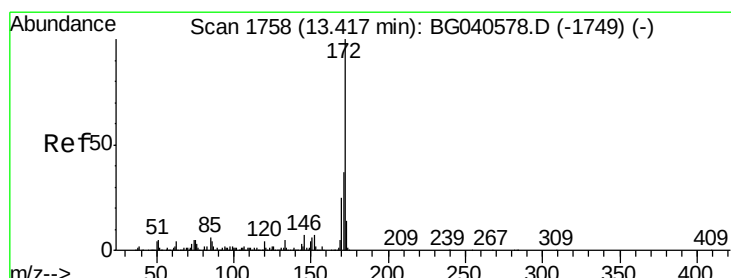
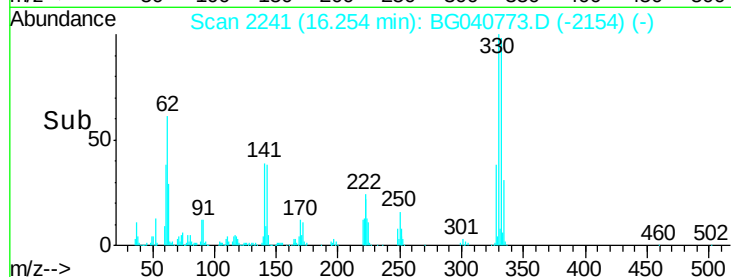
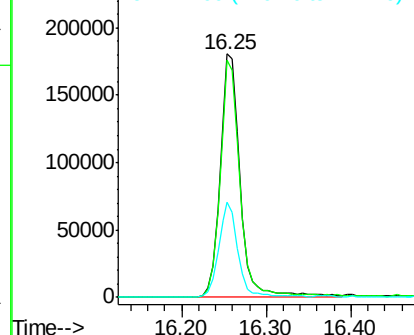
#42
 2,4,6-Tribromophenol
 Concen: 158.626 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.02 min
 Lab File: BG040773.D
 Acq: 7 May 2019 17:14

Instrument :
 BNA_G
 ClientSampled :
 TP-1

Tot Ion:330 Resp: 302183
 Ion Ratio Lower Upper
 330 100
 332 96.6 75.9 113.9
 141 37.1 32.4 48.6

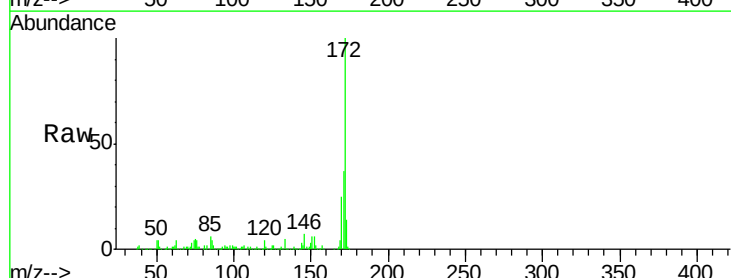


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

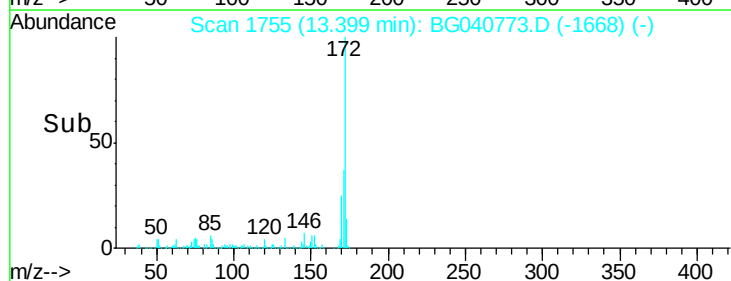
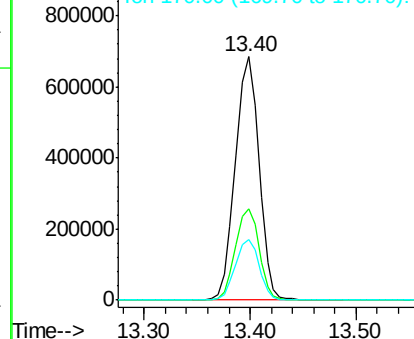


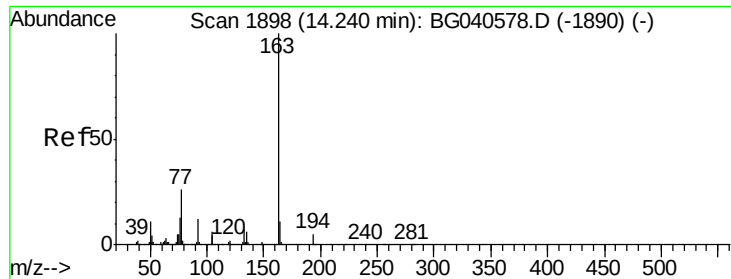
#45
 2-Fluorobiphenyl
 Concen: 110.575 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG040773.D
 Acq: 7 May 2019 17:14

Tgt Ion:172 Resp: 1061142
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.4 44.2
 170 25.1 19.9 29.9



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

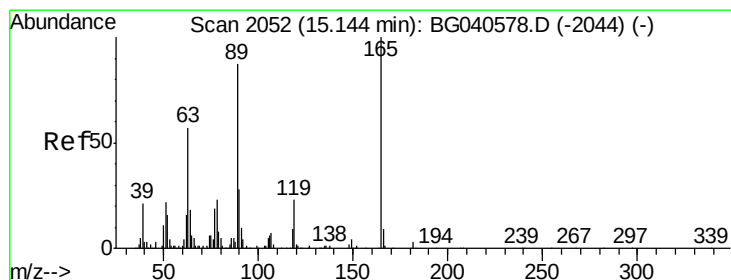
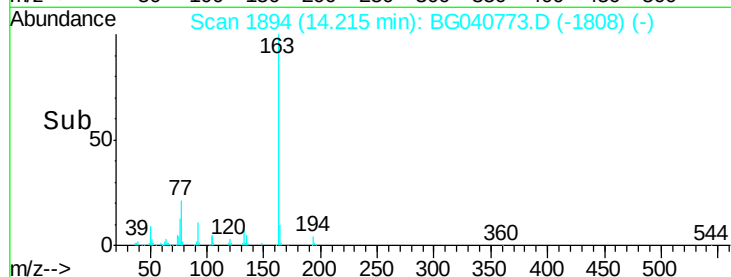
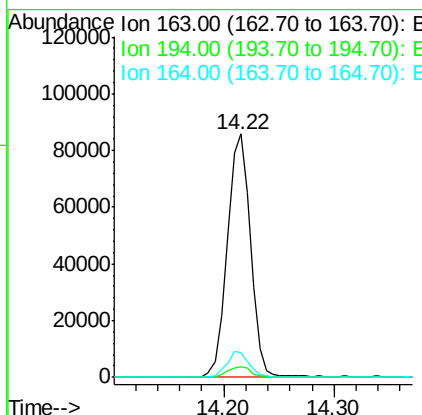
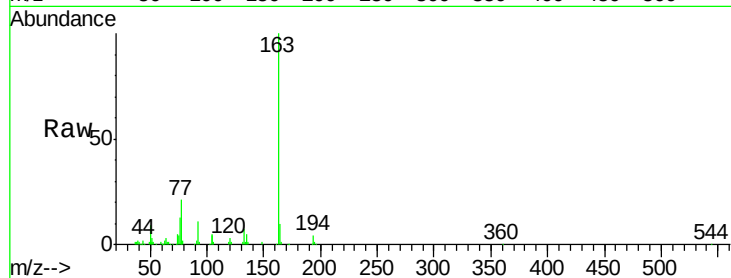




#50
Dimethylphthalate
Concen: 10.984 ng
RT: 14.22 min Scan# 1894
Delta R.T. -0.02 min
Lab File: BG040773.D
Acq: 7 May 2019 17:14

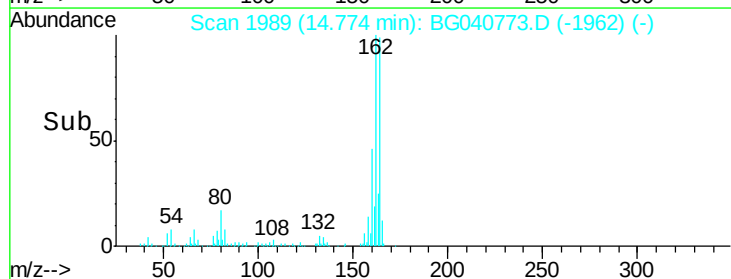
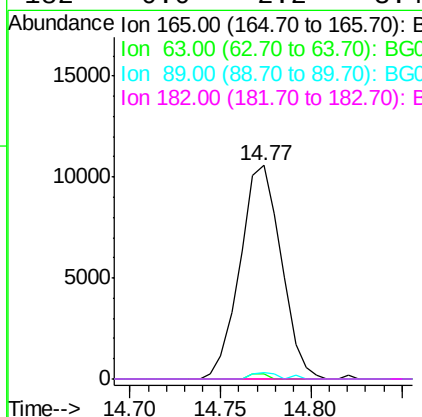
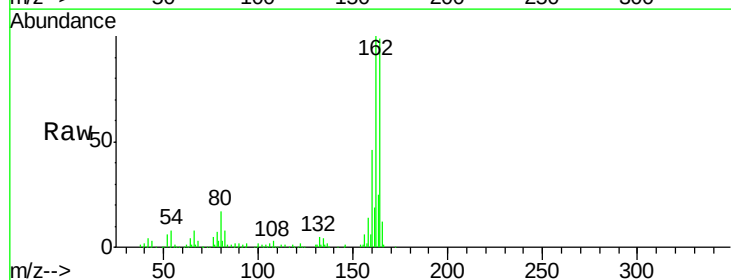
Instrument :
BNA_G
ClientSampleId :
TP-1

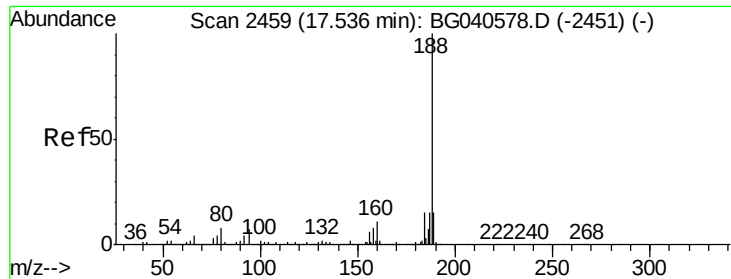
Tot Ion:163 Resp: 127371
Ion Ratio Lower Upper
163 100
194 4.3 3.8 5.8
164 10.0 8.8 13.2



#57
2,4-Dinitrotoluene
Concen: 5.426 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.37 min
Lab File: BG040773.D
Acq: 7 May 2019 17:14

Tgt Ion:165 Resp: 16686
Ion Ratio Lower Upper
165 100
63 2.6 45.8 68.8#
89 3.1 69.4 104.2#
182 0.0 2.2 3.4#

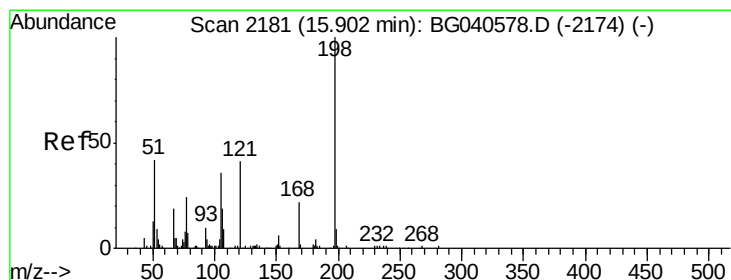
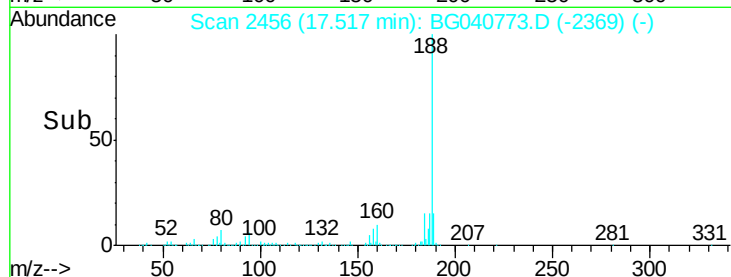
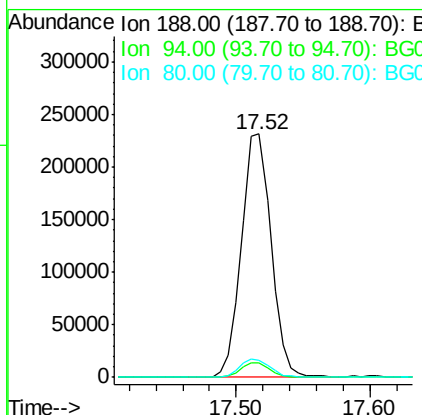
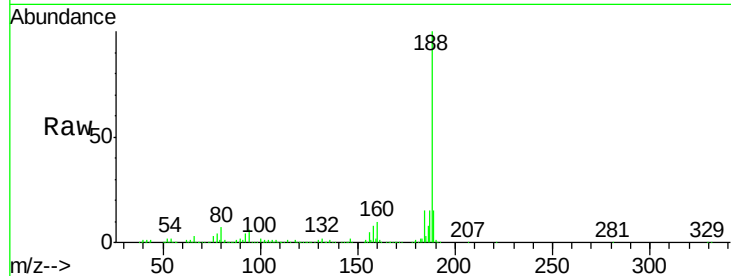




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG040773.D
 Acq: 7 May 2019 17:14

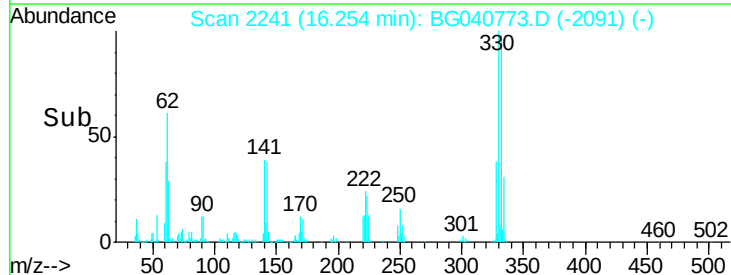
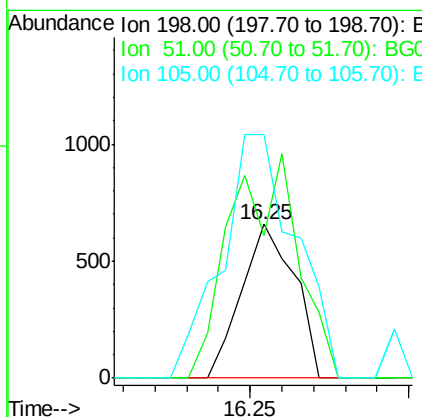
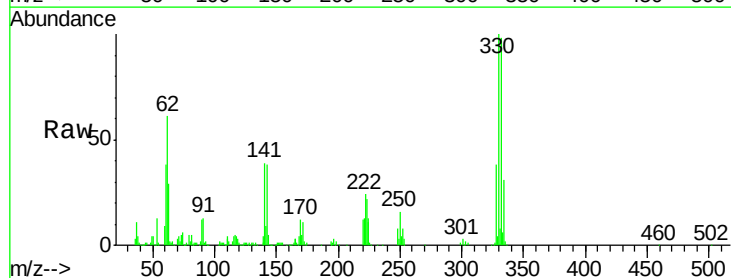
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

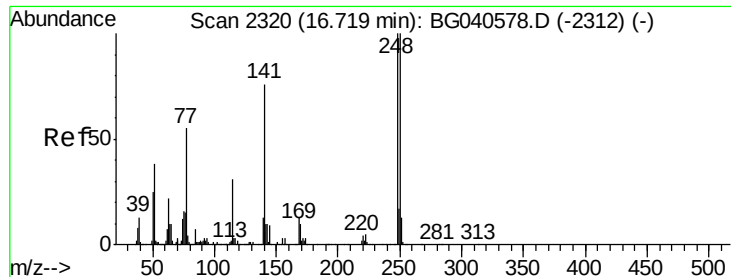
Tot Ion	188	Resp	355675
Ion Ratio	100	Lower	Upper
94	5.9	5.6	8.4
80	7.2	6.4	9.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.472 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. 0.35 min
 Lab File: BG040773.D
 Acq: 7 May 2019 17:14

Tgt Ion	198	Resp	762
Ion Ratio	100	Lower	Upper
51	93.0	35.9	75.9#
105	158.4	21.2	61.2#

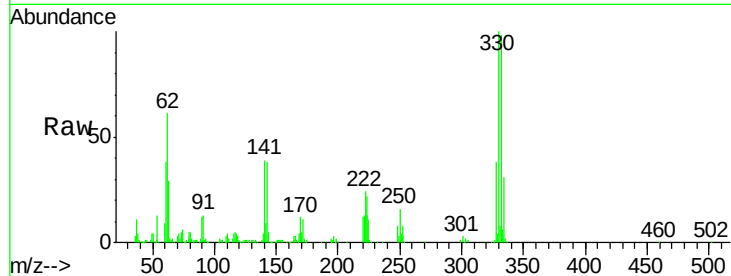




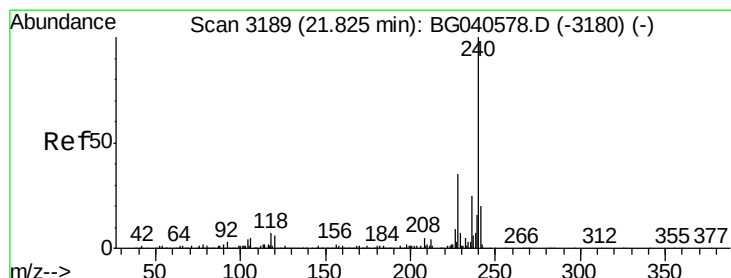
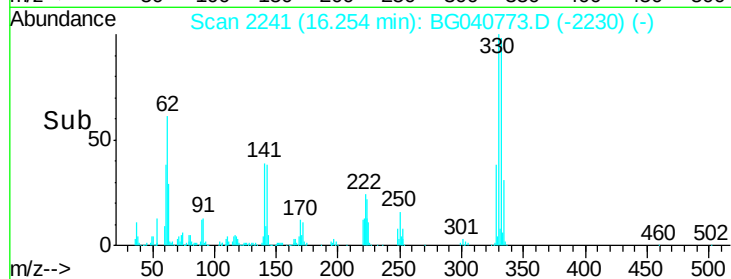
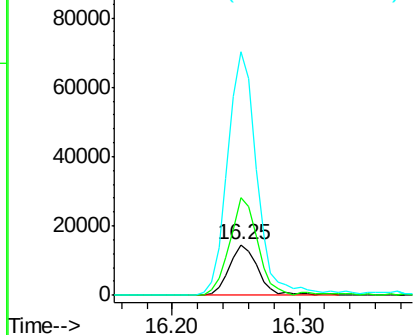
#67
 4-Bromophenyl-phenylether
 Concen: 5.202 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040773.D
 Acq: 7 May 2019 17:14

Instrument :
 BNA_G
 ClientSampled :
 TP-1

Tot Ion:248 Resp: 23053
 Ion Ratio Lower Upper
 248 100
 250 193.5 79.8 119.6#
 141 479.6 60.8 91.2#

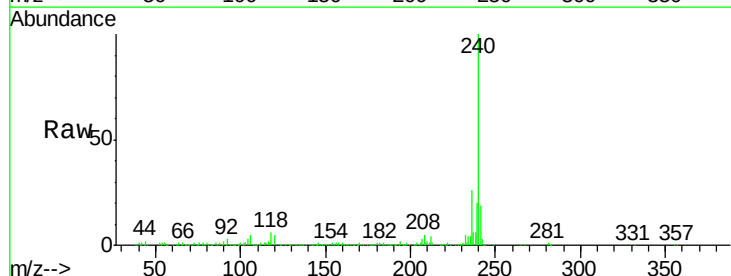


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

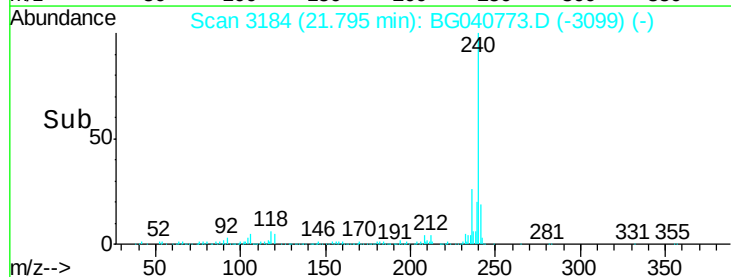
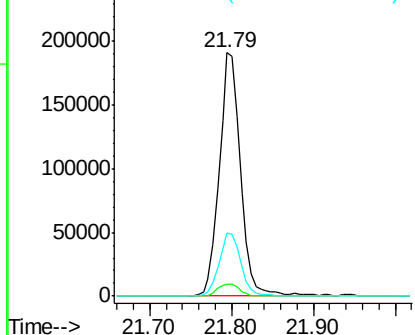


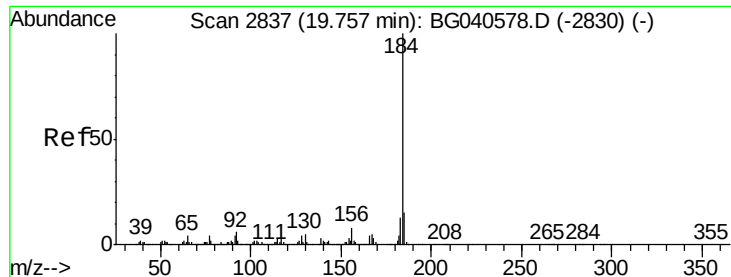
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040773.D
 Acq: 7 May 2019 17:14

Tgt Ion:240 Resp: 346767
 Ion Ratio Lower Upper
 240 100
 120 4.9 5.0 7.6#
 236 26.1 20.3 30.5



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: 3.761 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040773.D

Acq: 7 May 2019 17:14

Instrument :

BNA_G

ClientSampleId :

TP-1

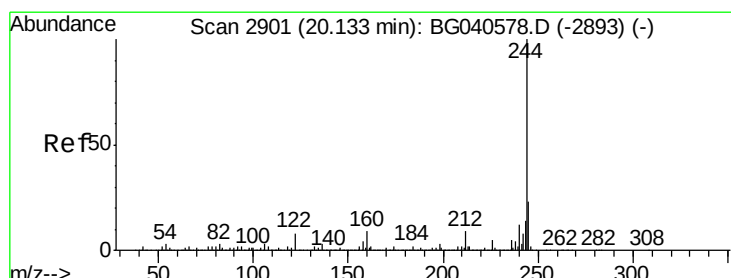
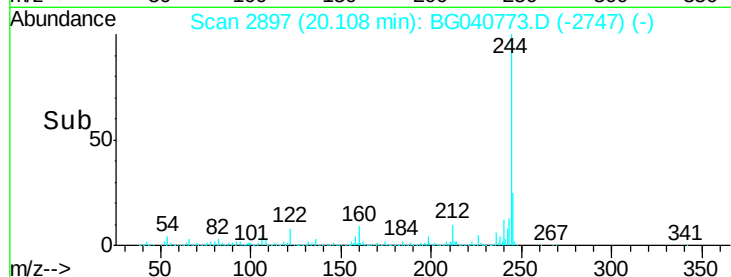
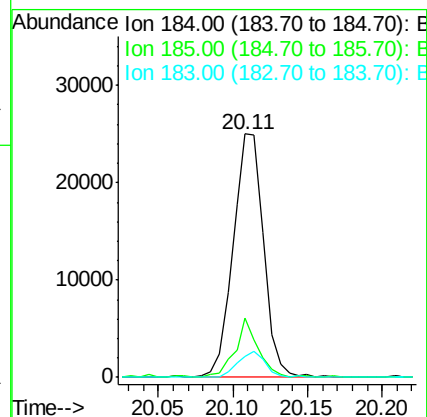
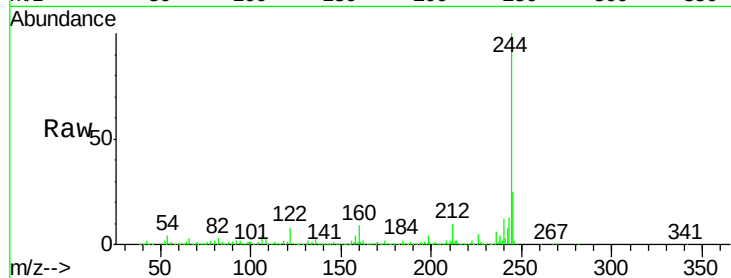
Tot Ion:184 Resp: 35707

Ion Ratio Lower Upper

184 100

185 24.2 11.8 17.8#

183 8.7 10.2 15.2#



#79

Terphenyl-d14

Concen: 118.924 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040773.D

Acq: 7 May 2019 17:14

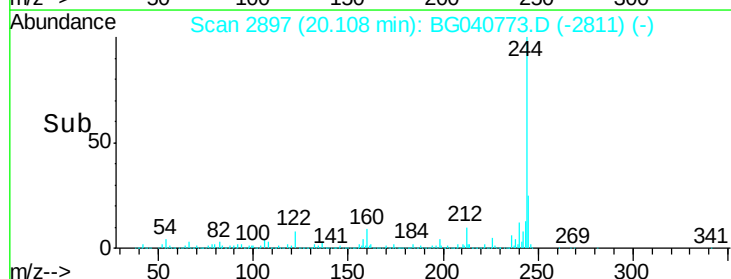
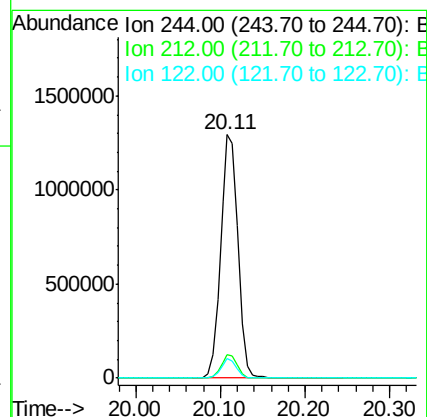
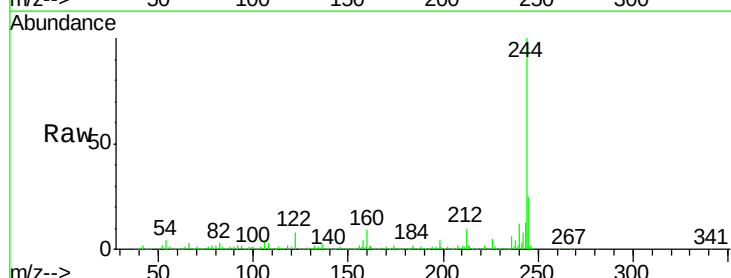
Tgt Ion:244 Resp: 1861449

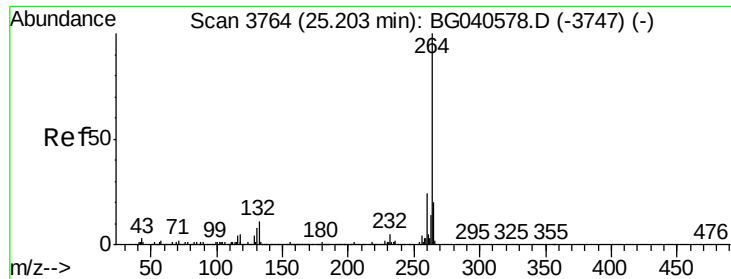
Ion Ratio Lower Upper

244 100

212 9.6 7.2 10.8

122 7.8 6.6 10.0

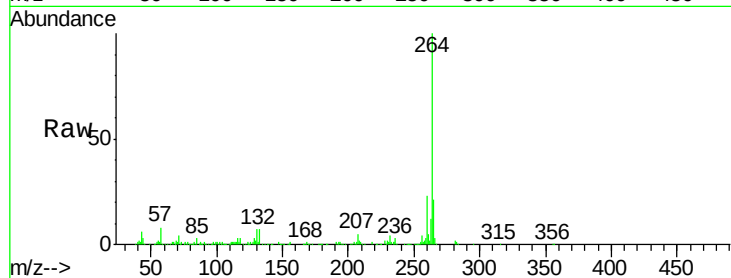




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040773.D
Acq: 7 May 2019 17:14

Instrument :
BNA_G
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.1	16.6	25.0



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

