

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091719\
 Data File : BG042874.D
 Acq On : 17 Sep 2019 19:24
 Operator : HP/JU
 Sample : K4918-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 18 01:51:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

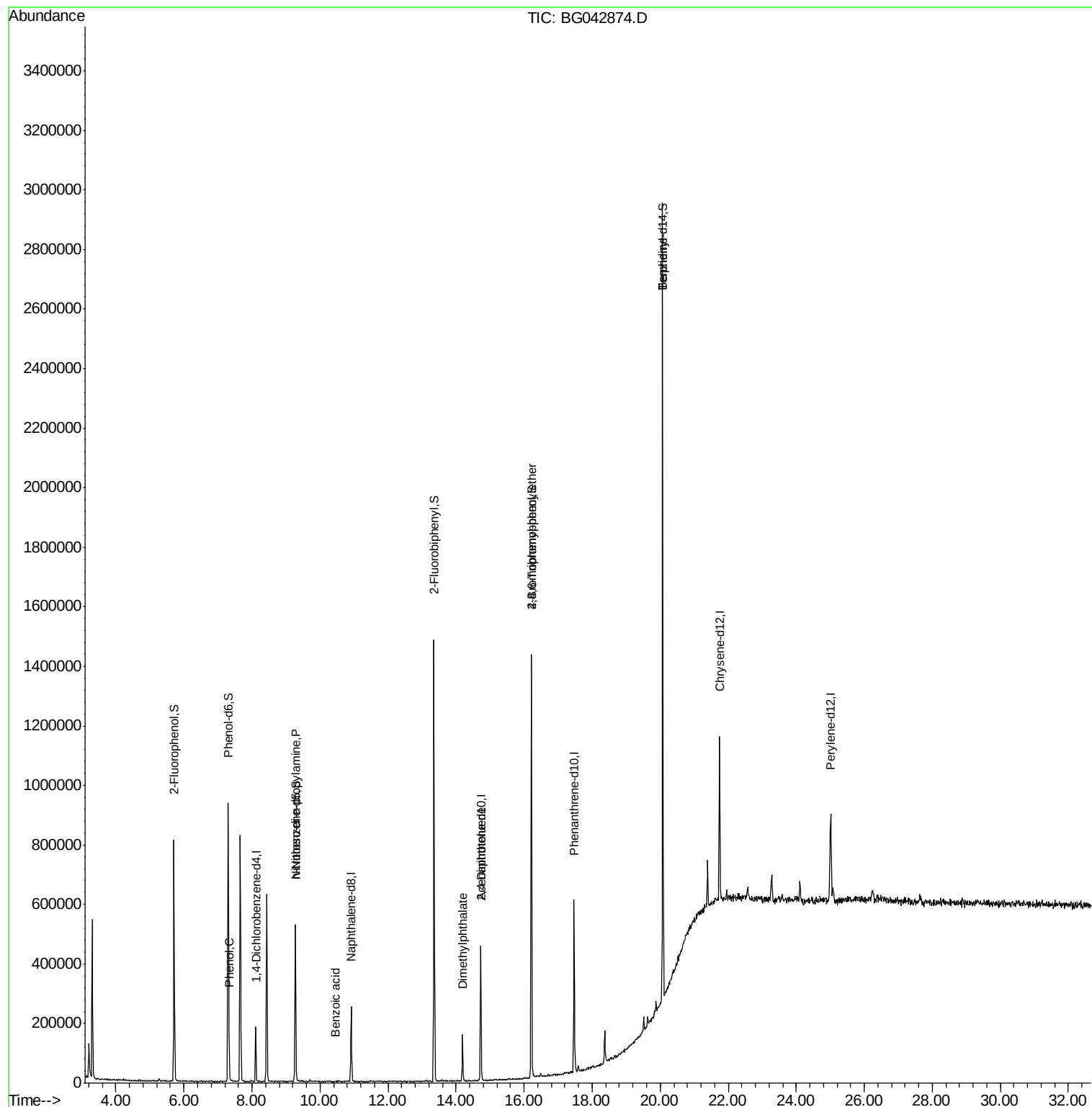
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	49883	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	201655	20.00	ng	-0.02
39) Acenaphthene-d10	14.73	164	156119	20.00	ng	-0.01
64) Phenanthrene-d10	17.47	188	376190	20.00	ng	-0.02
76) Chrysene-d12	21.74	240	325546	20.00	ng	-0.02
87) Perylene-d12	25.02	264	346648	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	306676	106.88	ng	0.02
7) Phenol-d6	7.30	99	486920	118.23	ng	0.03
23) Nitrobenzene-d5	9.28	82	314495	81.20	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	276236	132.99	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	790103	80.11	ng	-0.02
79) Terphenyl-d14	20.07	244	1267732	86.31	ng	-0.02
Target Compounds						
10) Phenol	7.33	94	14905	3.529	ng	86
19) n-Nitroso-di-n-propylamine	9.28	70	44489	14.660	ng	# 75
32) Benzoic acid	10.44	122	70	5.991	ng	# 1
50) Dimethylphthalate	14.19	163	103903	8.884	ng	98
57) 2,4-Dinitrotoluene	14.73	165	21352	6.675	ng	# 24
67) 4-Bromophenyl-phenylether	16.21	248	18444	4.051	ng	# 1
77) Benzidine	20.07	184	22973	2.526	ng	# 96

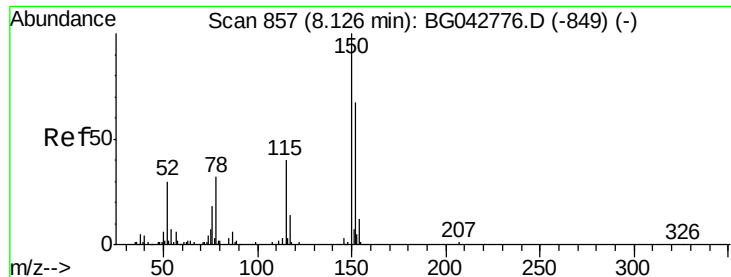
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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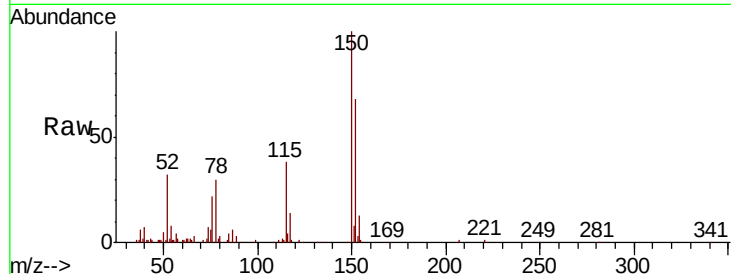


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. -0.02 min
Lab File: BG042874.D
Acq: 17 Sep 2019 19:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	49883
Ion	Ratio	Lower	Upper
152	100		
150	147.2	118.9	178.3
115	55.3	47.4	71.2

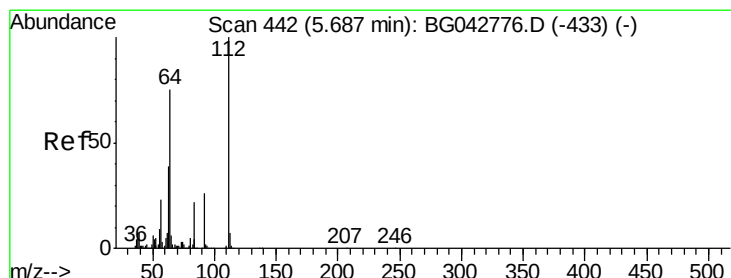
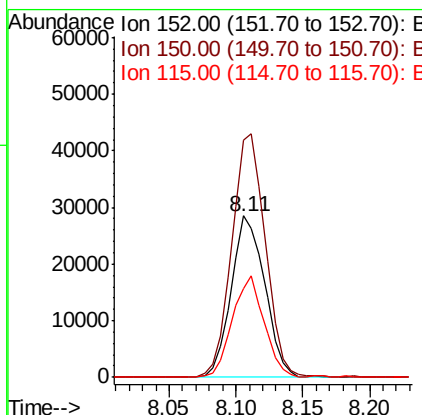
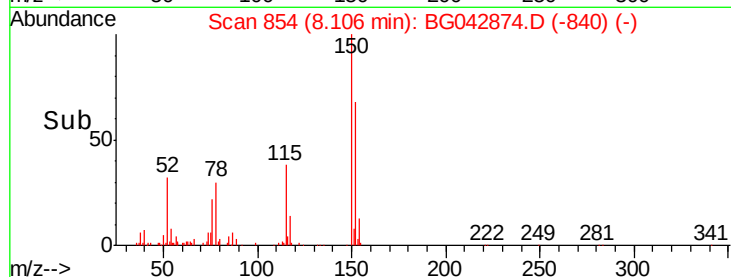


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

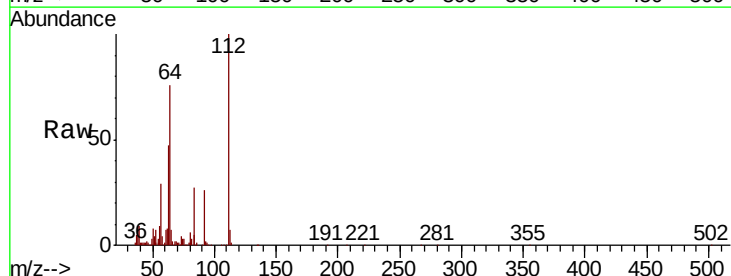
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 106.884 ng
RT: 5.71 min Scan# 446
Delta R.T. 0.02 min
Lab File: BG042874.D
Acq: 17 Sep 2019 19:24

Tgt Ion	112	Resp	306676
Ion	Ratio	Lower	Upper
112	100		
64	76.5	60.2	90.2
63	47.2	31.2	46.8

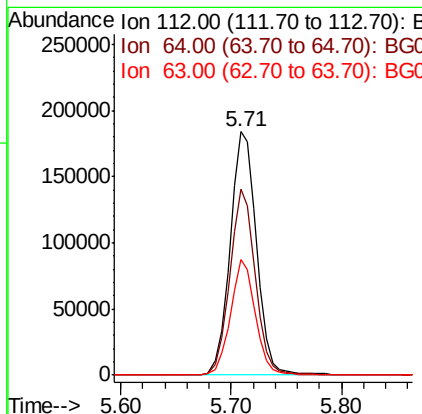
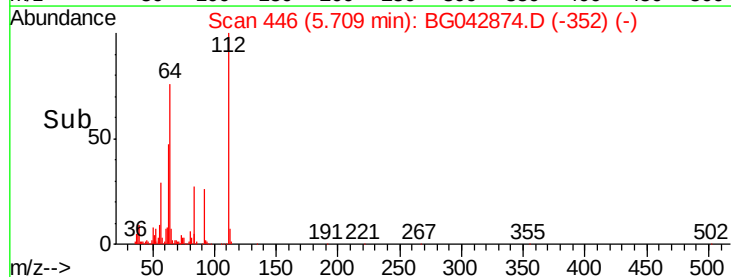


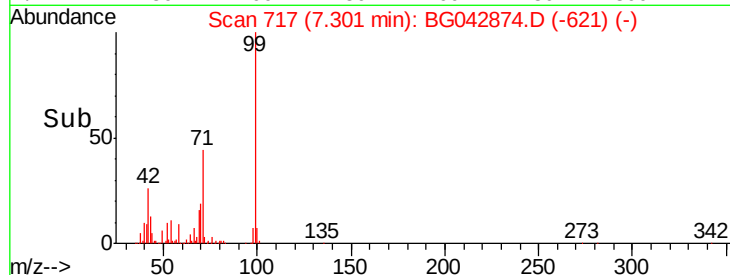
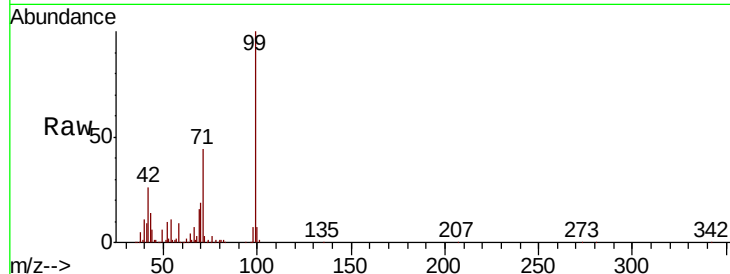
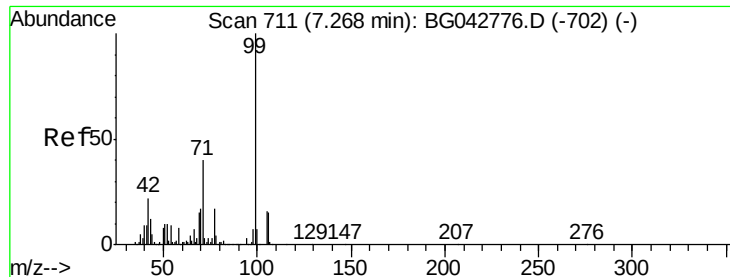
Abundance

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: 118.233 ng

RT: 7.30 min Scan# 717

Delta R.T. 0.03 min

Lab File: BG042874.D

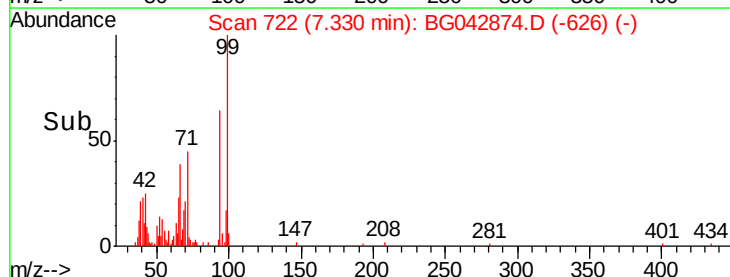
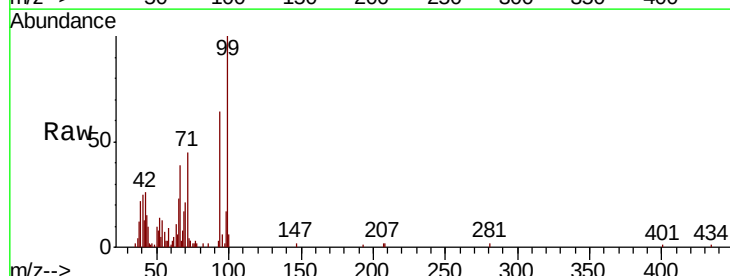
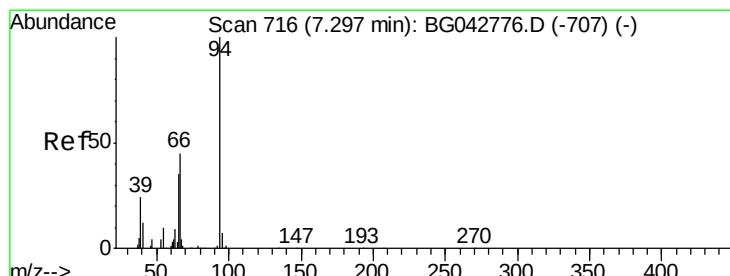
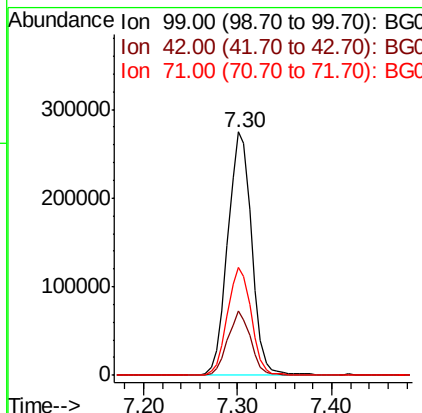
Acq: 17 Sep 2019 19:24

Tot Ion:	99	Resp:	486920
Ion	Ratio	Lower	Upper
99	100		
42	26.3	17.5	26.3#
71	44.1	32.0	48.0

Instrument :

BNA_G

ClientSampled :



#10

Phenol

Concen: 3.529 ng

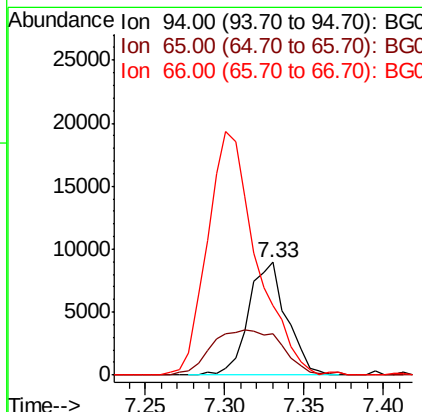
RT: 7.33 min Scan# 722

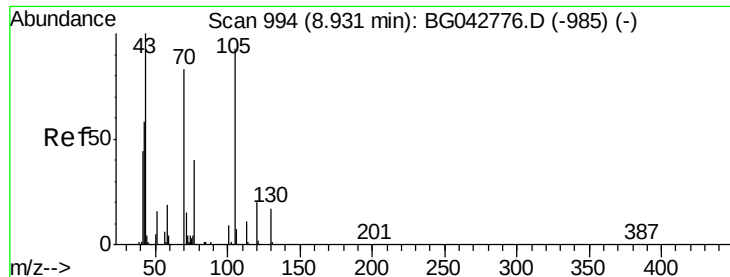
Delta R.T. 0.03 min

Lab File: BG042874.D

Acq: 17 Sep 2019 19:24

Tgt Ion:	94	Resp:	14905
Ion	Ratio	Lower	Upper
94	100		
65	36.3	15.0	55.0
66	61.6	26.1	66.1

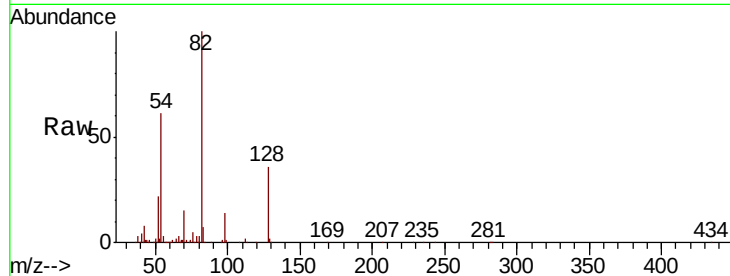




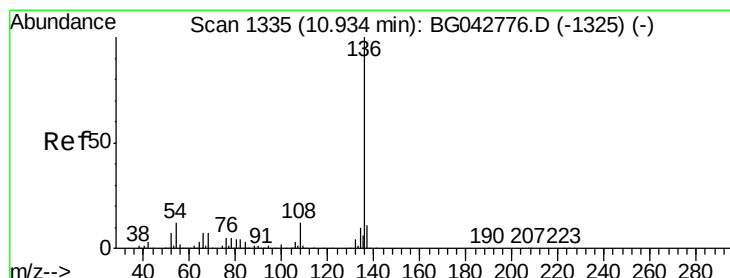
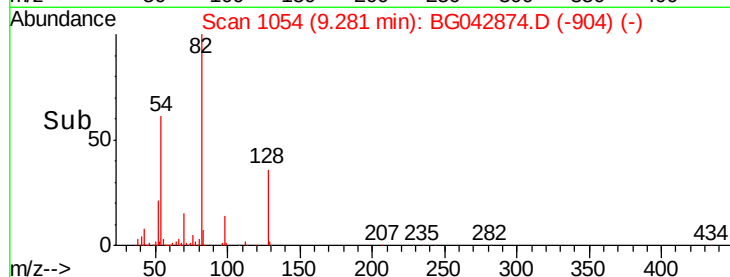
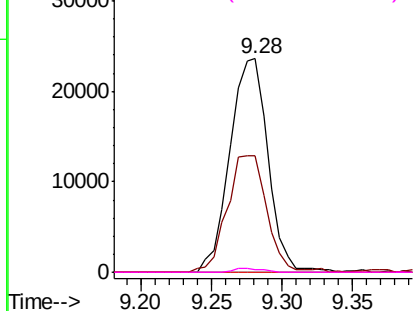
#19
n-Nitroso-di-n-propylamine
Concen: 14.660 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.35 min
Lab File: BG042874.D
Acq: 17 Sep 2019 19:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 44489
Ion Ratio Lower Upper
70 100
42 54.4 57.0 85.6#
101 0.0 8.4 12.6#
130 1.1 16.1 24.1#

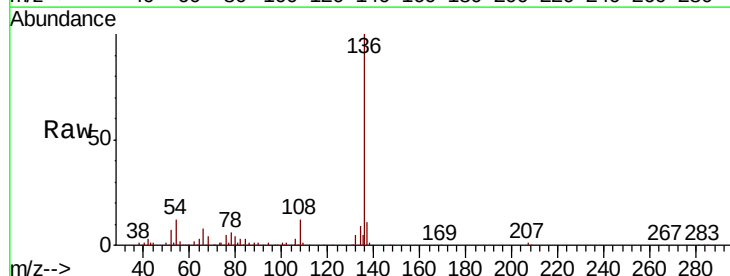


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

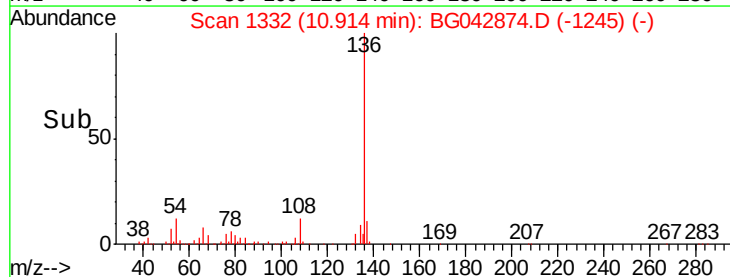
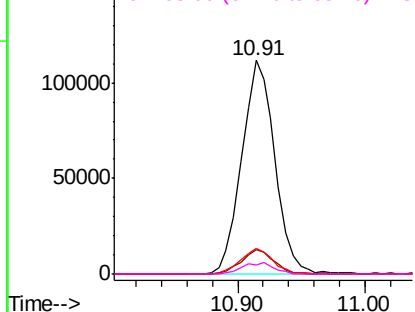


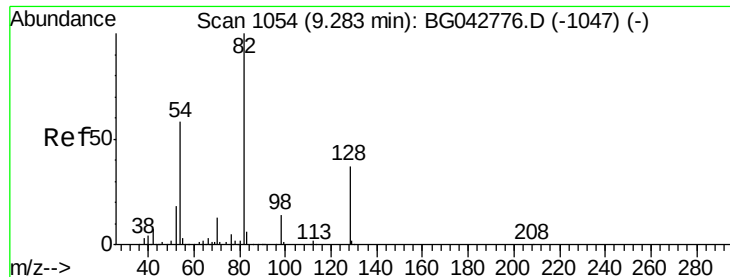
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BG042874.D
Acq: 17 Sep 2019 19:24

Tgt Ion: 136 Resp: 201655
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 11.9 9.4 14.0
68 4.3 5.4 8.2#



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

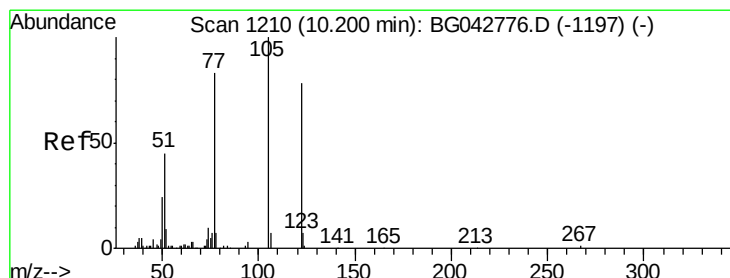
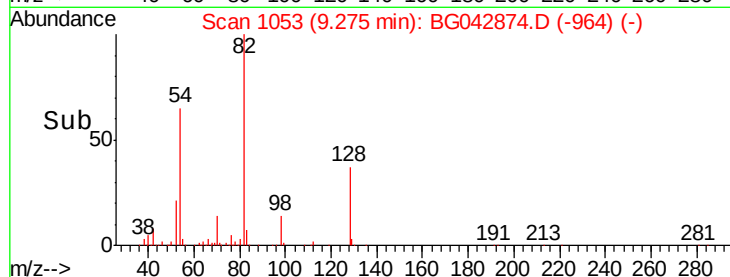
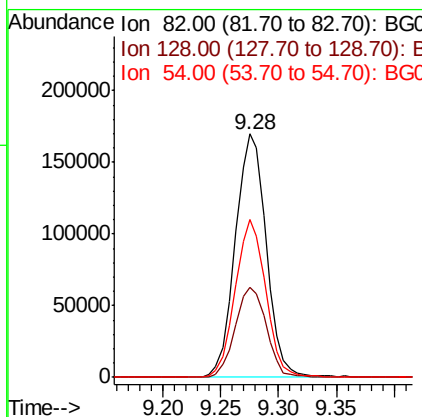
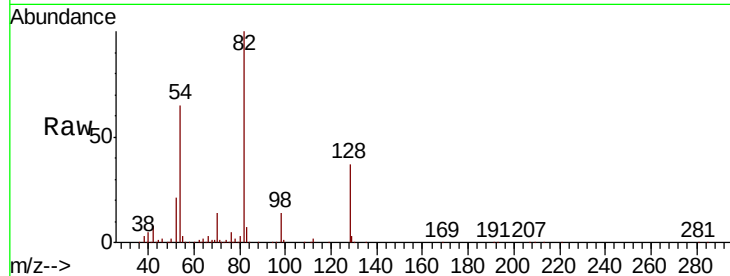




#23
 Nitrobenzene-d5
 Concen: 81.195 ng
 RT: 9.28 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: BG042874.D
 Acq: 17 Sep 2019 19:24

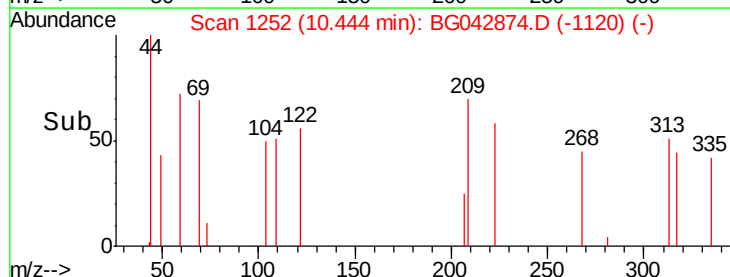
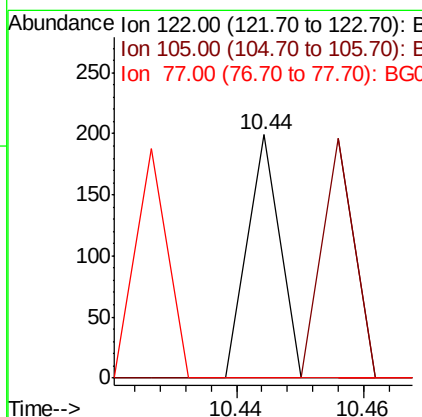
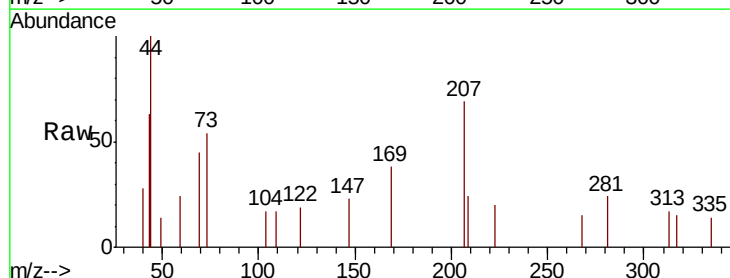
Instrument :
 BNA_G
 ClientSampled :

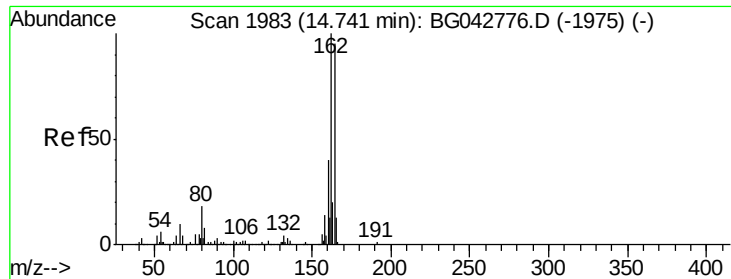
Tot Ion	82	Resp	314495
Ion Ratio	Lower	Upper	
82	100		
128	36.8	29.8	44.8
54	64.7	46.1	69.1



#32
 Benzoic acid
 Concen: 5.991 ng
 RT: 10.44 min Scan# 1252
 Delta R.T. 0.25 min
 Lab File: BG042874.D
 Acq: 17 Sep 2019 19:24

Tgt Ion	122	Resp	70
Ion Ratio	Lower	Upper	
122	100		
105	0.0	104.0	144.0#
77	0.0	84.2	124.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BG042874.D

Acq: 17 Sep 2019 19:24

Instrument :

BNA_G

ClientSampleId :

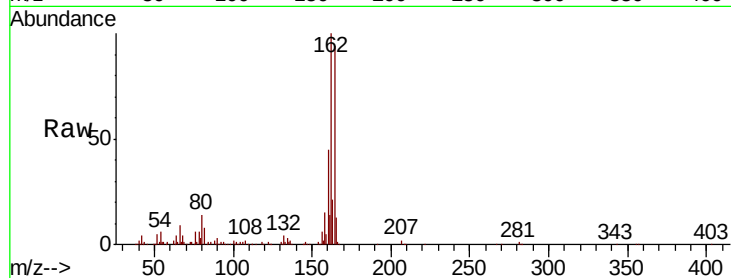
Tot Ion:164 Resp: 156119

Ion Ratio Lower Upper

164 100

162 106.7 84.6 126.8

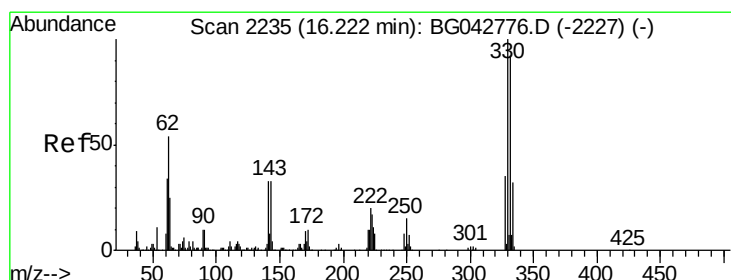
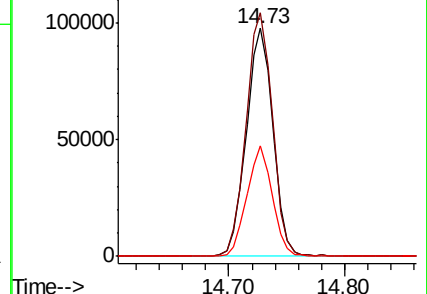
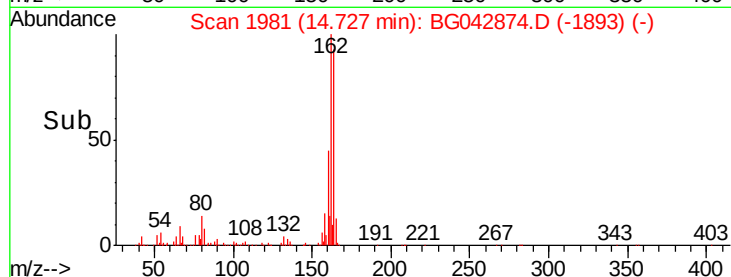
160 48.3 34.2 51.2



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: 132.995 ng

RT: 16.21 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BG042874.D

Acq: 17 Sep 2019 19:24

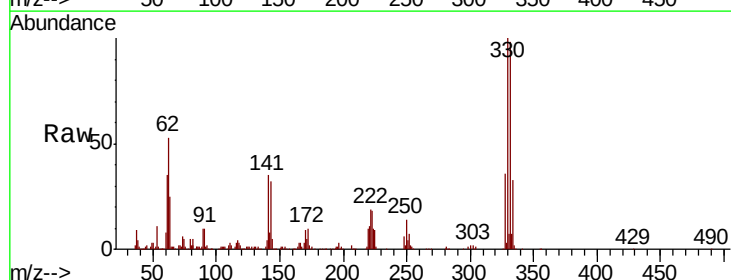
Tgt Ion:330 Resp: 276236

Ion Ratio Lower Upper

330 100

332 97.9 76.7 115.1

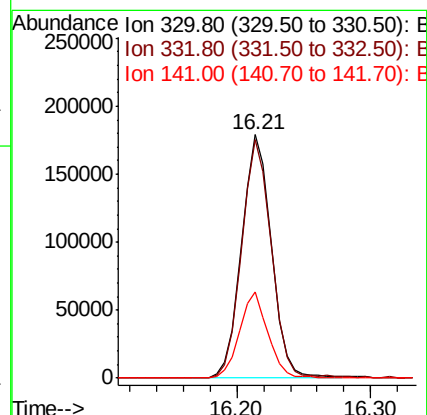
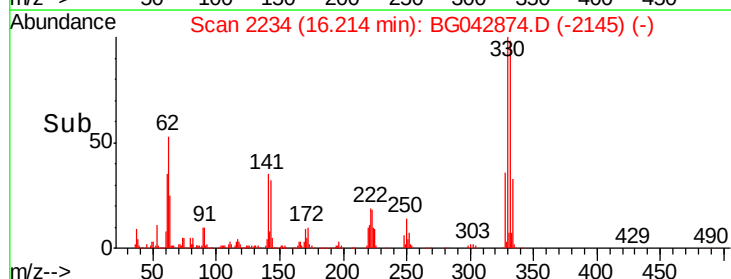
141 34.2 27.0 40.6

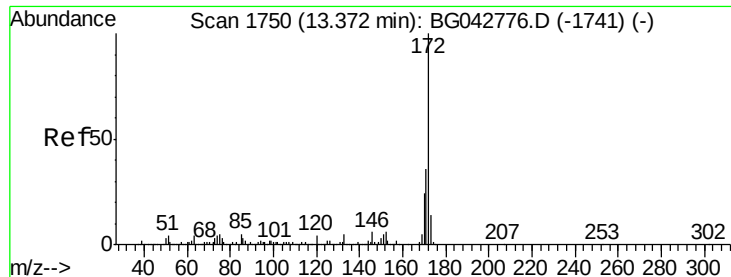


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

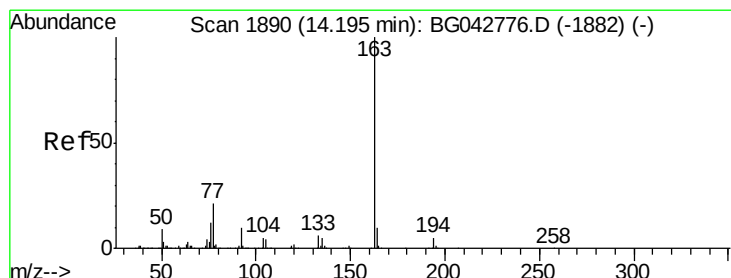
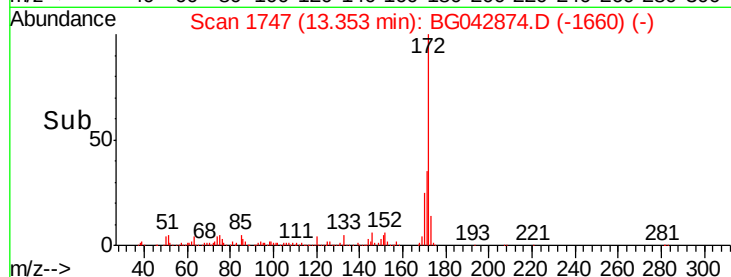
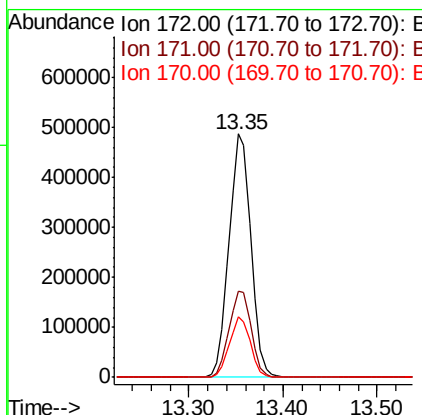
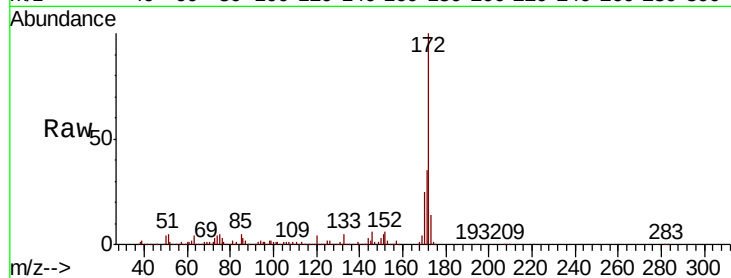




#45
2-Fluorobiphenyl
Concen: 80.111 ng
RT: 13.35 min Scan# 1747
Delta R.T. -0.02 min
Lab File: BG042874.D
Acq: 17 Sep 2019 19:24

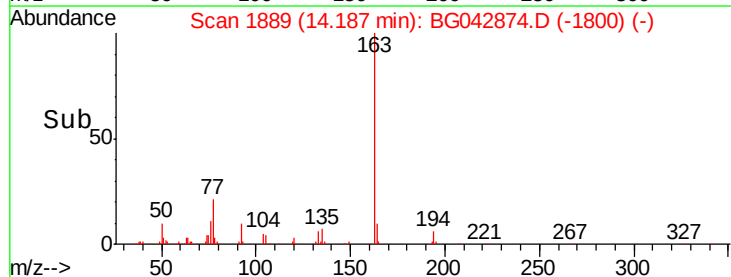
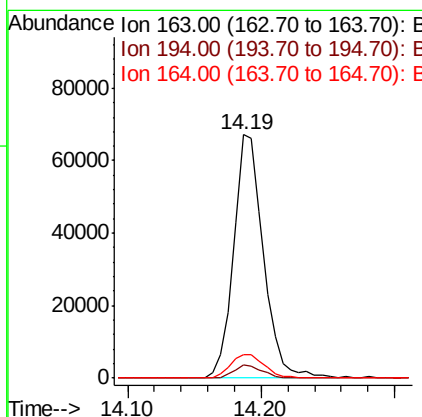
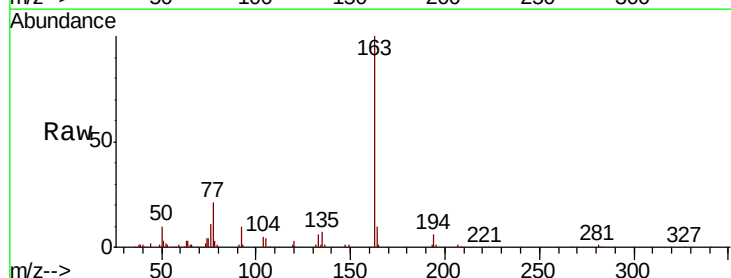
Instrument :
BNA_G
ClientSampleId :

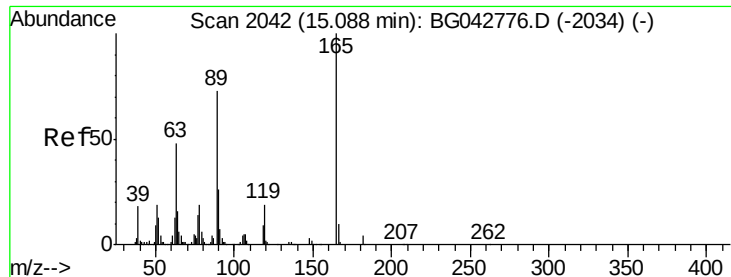
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.9	43.3
170	24.7	19.1	28.7



#50
Dimethylphthalate
Concen: 8.884 ng
RT: 14.19 min Scan# 1889
Delta R.T. -0.01 min
Lab File: BG042874.D
Acq: 17 Sep 2019 19:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.7	4.2	6.4
164	9.8	8.4	12.6

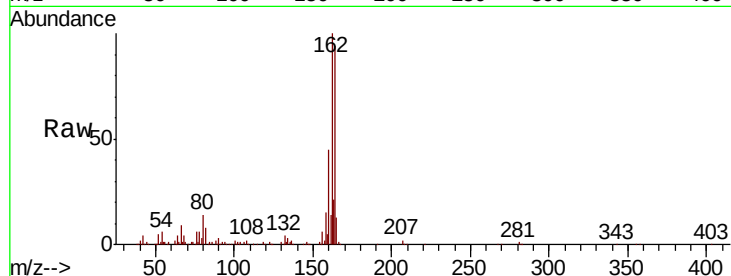




#57
 2,4-Dinitrotoluene
 Concen: 6.675 ng
 RT: 14.73 min Scan# 1981
 Delta R.T. -0.36 min
 Lab File: BG042874.D
 Acq: 17 Sep 2019 19:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	38.3	57.5#
89	1.8	58.4	87.6#
182	0.0	2.9	4.3#



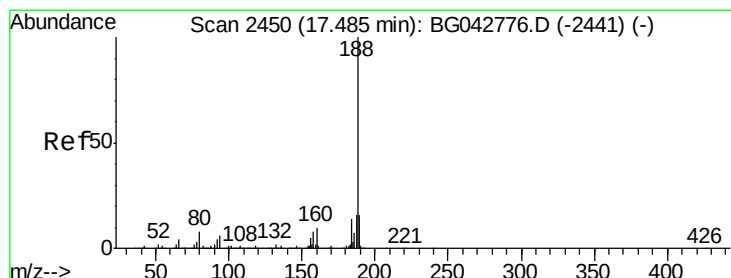
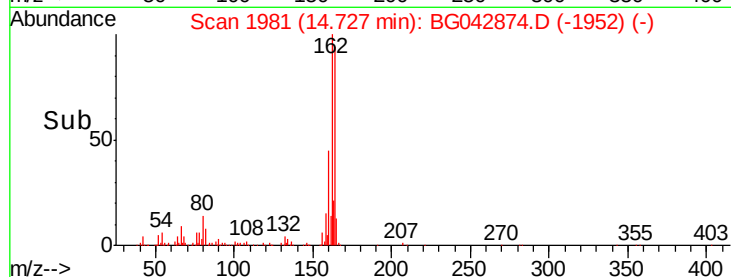
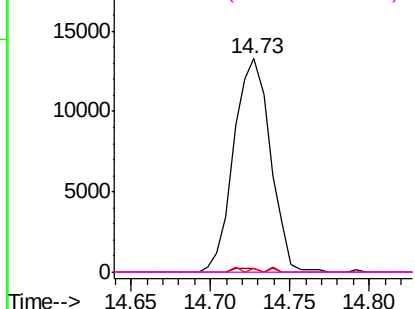
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

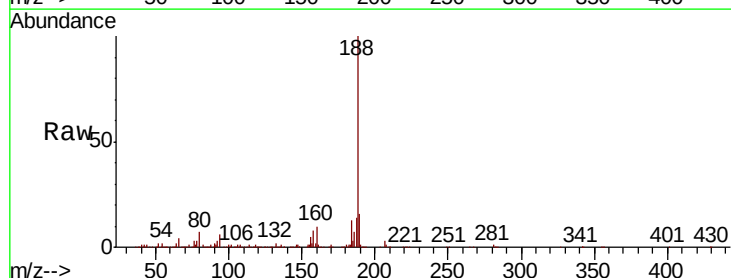
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2447
 Delta R.T. -0.02 min
 Lab File: BG042874.D
 Acq: 17 Sep 2019 19:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.4	4.8	7.2
80	7.3	6.6	9.8

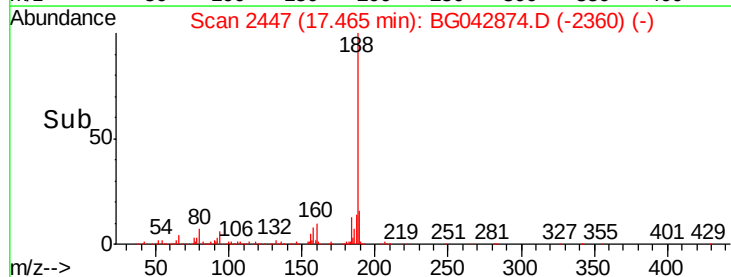
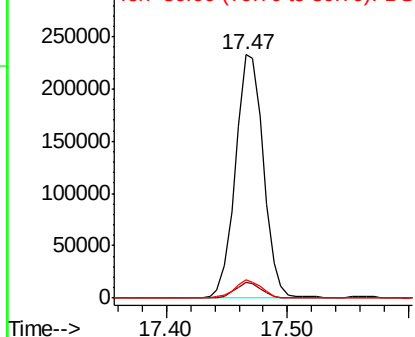


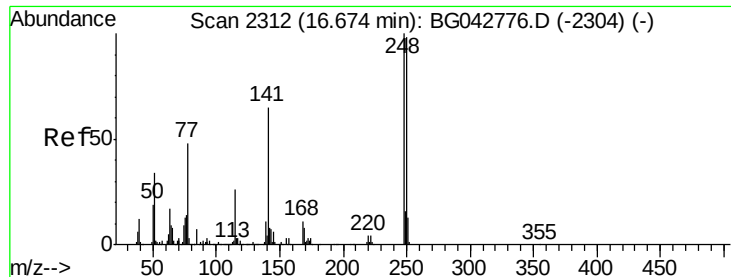
Abundance

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

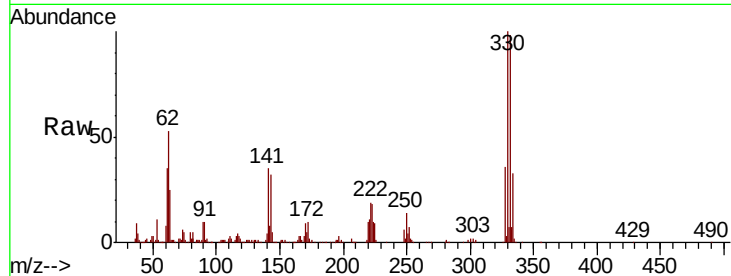




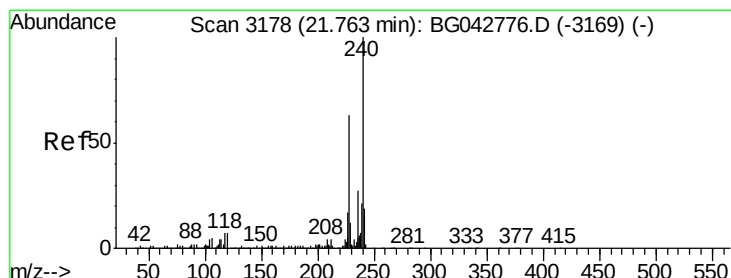
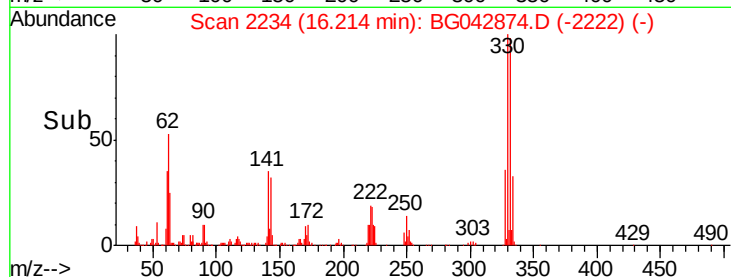
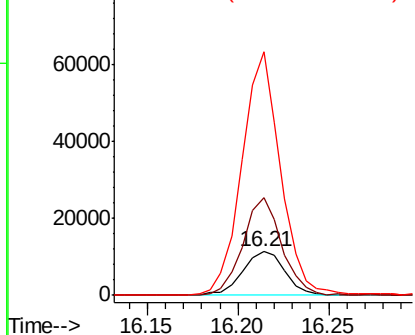
#67
4-Bromophenyl-phenylether
Concen: 4.051 ng
RT: 16.21 min Scan# 2234
Delta R.T. -0.46 min
Lab File: BG042874.D
Acq: 17 Sep 2019 19:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 18444
Ion Ratio Lower Upper
248 100
250 222.6 78.0 117.0#
141 557.0 51.8 77.6#

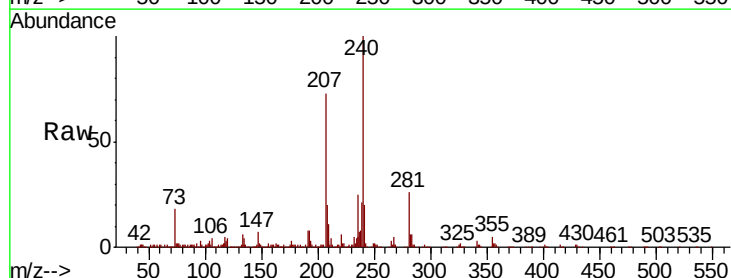


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

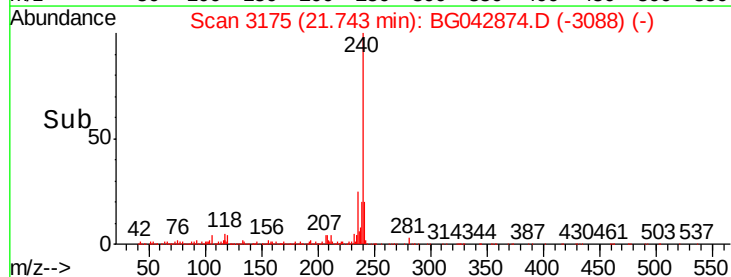
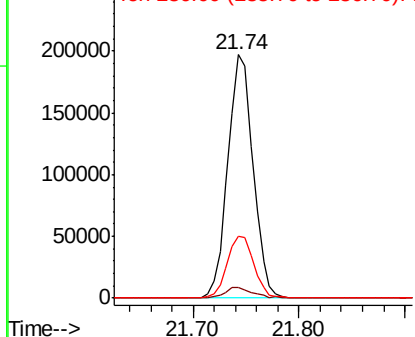


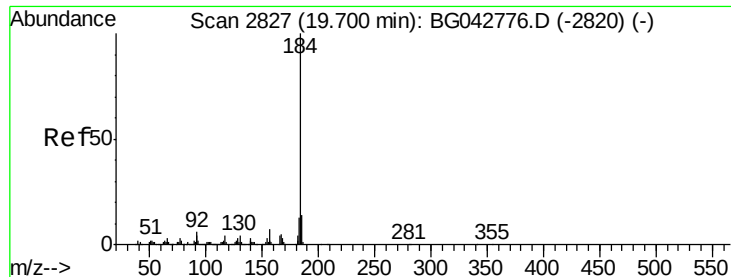
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3175
Delta R.T. -0.02 min
Lab File: BG042874.D
Acq: 17 Sep 2019 19:24

Tgt Ion:240 Resp: 325546
Ion Ratio Lower Upper
240 100
120 4.5 5.4 8.2#
236 25.5 21.7 32.5



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: 2.526 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.37 min

Lab File: BG042874.D

Acq: 17 Sep 2019 19:24

Instrument :

BNA_G

ClientSampleId :

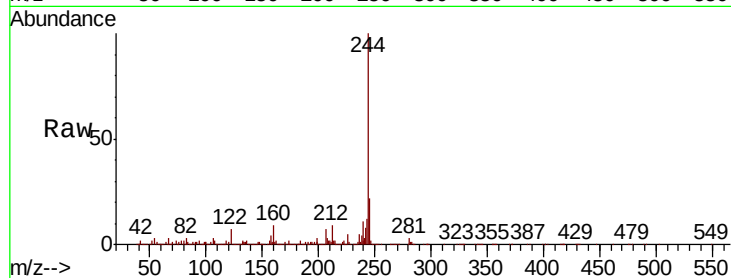
Tot Ion:184 Resp: 22973

Ion Ratio Lower Upper

184 100

185 15.0 11.6 17.4

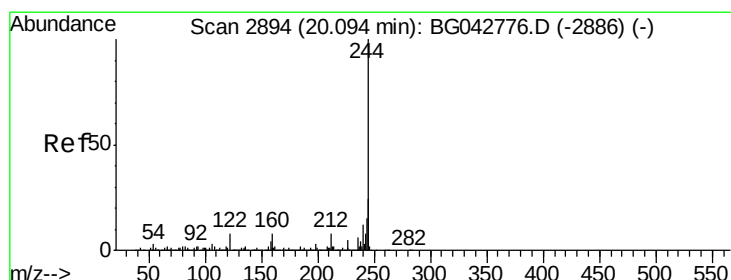
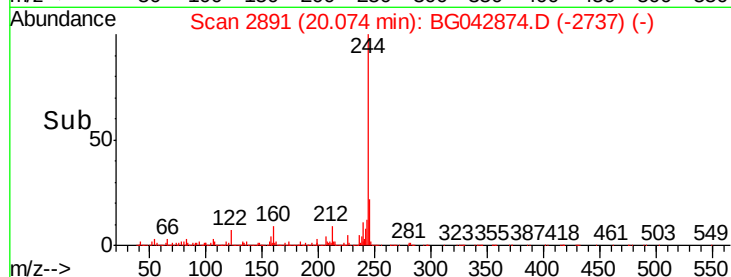
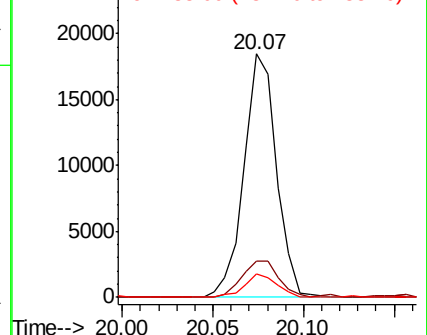
183 9.8 10.4 15.6#



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: 86.306 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.02 min

Lab File: BG042874.D

Acq: 17 Sep 2019 19:24

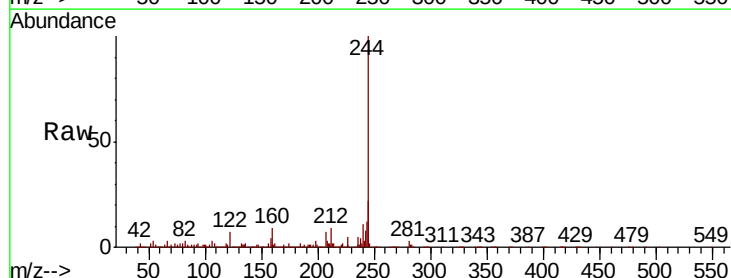
Tgt Ion:244 Resp: 1267732

Ion Ratio Lower Upper

244 100

212 8.6 6.6 10.0

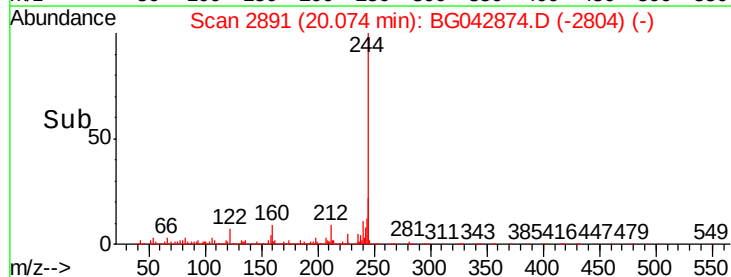
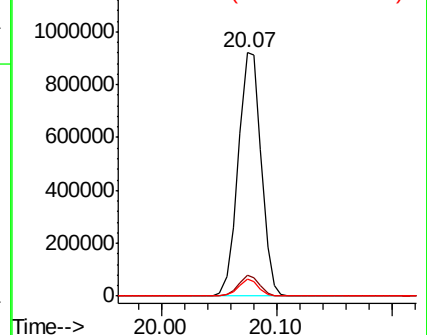
122 7.0 6.2 9.4

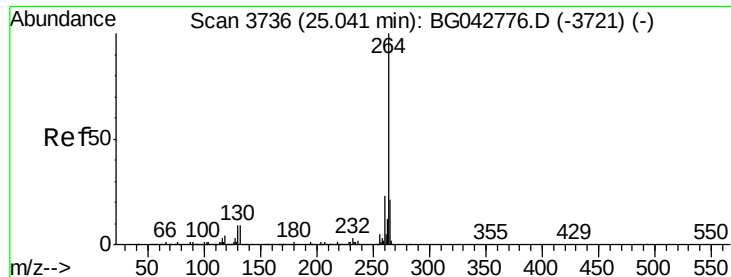


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.02 min Scan# 3732
 Delta R.T. -0.03 min
 Lab File: BG042874.D
 Acq: 17 Sep 2019 19:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	346648
Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.2	27.2
265	24.3	16.9	25.3

