

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
 Data File : BG043241.D
 Acq On : 16 Oct 2019 7:29
 Operator : JU
 Sample : K5335-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 16 08:16:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	59398	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	227217	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	153606	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	321454	20.00	ng	0.00
76) Chrysene-d12	21.70	240	357111	20.00	ng	0.00
87) Perylene-d12	24.92	264	419350	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	435365	130.81	ng	0.00
7) Phenol-d6	7.23	99	599094	124.99	ng	0.00
23) Nitrobenzene-d5	9.21	82	387233	82.84	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	354321	134.14	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	993724	93.79	ng	0.00
79) Terphenyl-d14	20.04	244	1703704	101.66	ng	0.00

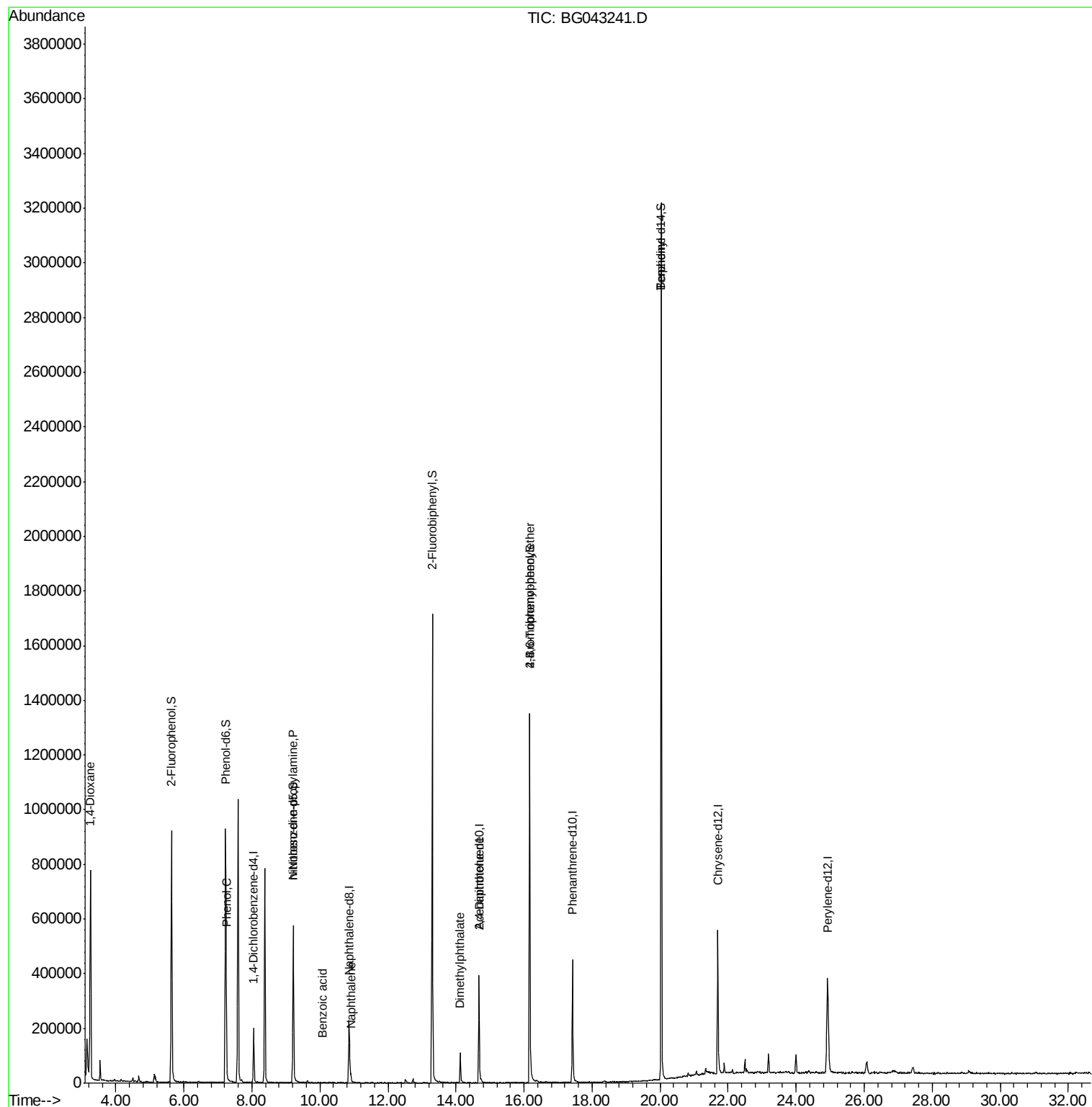
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.26	88	8525	6.143	ng	# 1
10) Phenol	7.25	94	14040	3.193	ng	# 70
19) n-Nitroso-di-n-propylamine	9.21	70	51924	16.498	ng	# 75
31) Naphthalene	10.91	128	24083	2.153	ng	# 94
32) Benzoic acid	10.08	122	60	2.827	ng	# 1
50) Dimethylphthalate	14.12	163	83806	7.282	ng	96
57) 2,4-Dinitrotoluene	14.68	165	21192	5.904	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	23185	5.747	ng	# 1
77) Benzidine	20.04	184	25623	2.866	ng	97

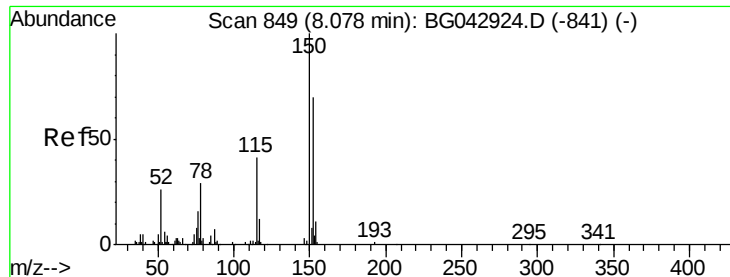
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
Data File : BG043241.D
Acq On : 16 Oct 2019 7:29
Operator : JU
Sample : K5335-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Oct 16 08:16:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 09 01:11:45 2019
Response via : Initial Calibration



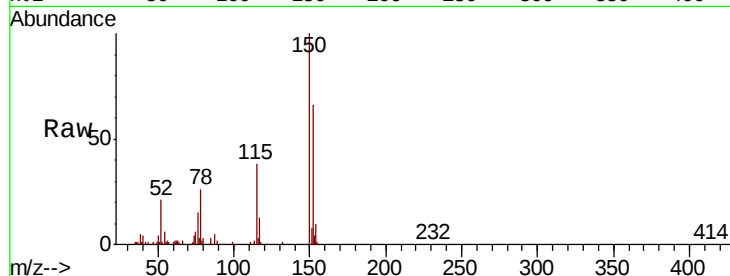


#1

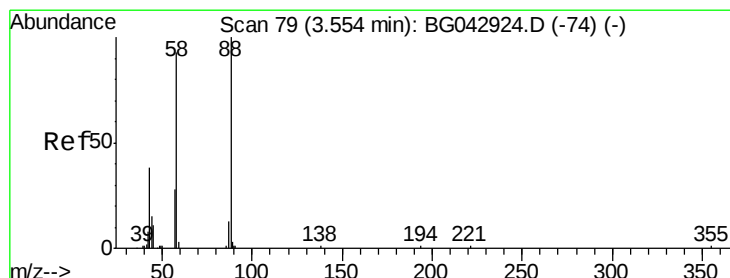
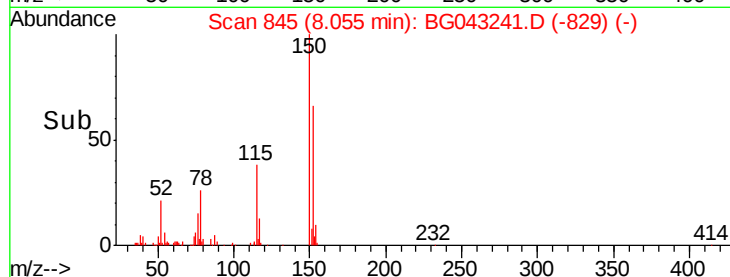
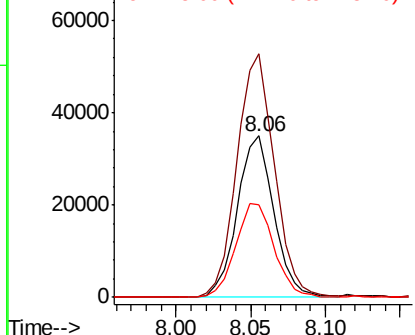
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG043241.D
Acq: 16 Oct 2019 7:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 59398
Ion Ratio Lower Upper
152 100
150 151.0 115.0 172.4
115 57.1 47.0 70.6



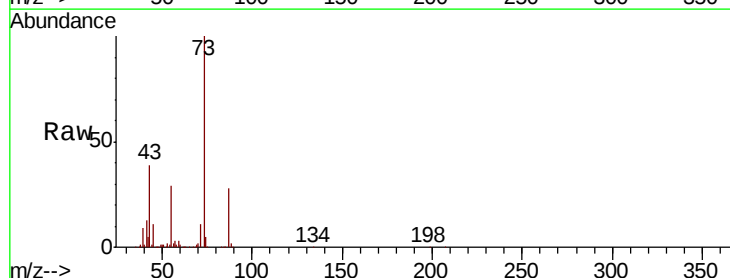
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



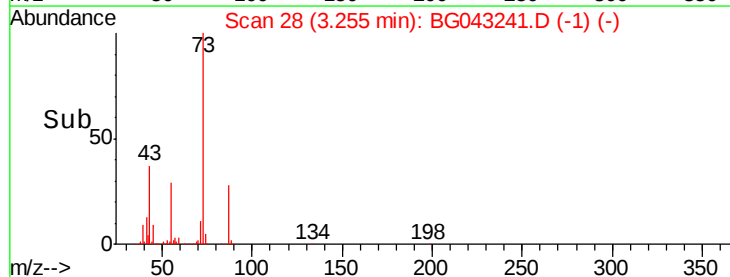
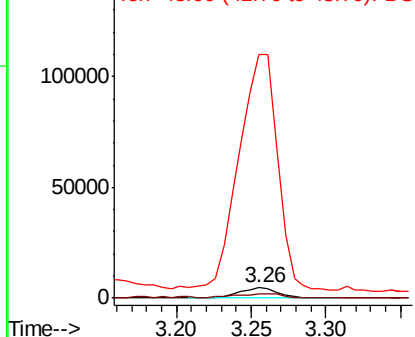
#2

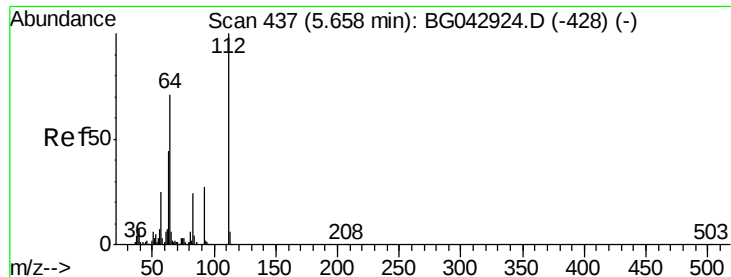
1,4-Dioxane
Concen: 6.143 ng
RT: 3.26 min Scan# 28
Delta R.T. -0.28 min
Lab File: BG043241.D
Acq: 16 Oct 2019 7:29

Tgt Ion: 88 Resp: 8525
Ion Ratio Lower Upper
88 100
58 39.6 74.3 111.5#
43 2238.5 29.8 44.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 130.806 ng

RT: 5.64 min Scan# 434

Delta R.T. 0.00 min

Lab File: BG043241.D

Acq: 16 Oct 2019 7:29

Instrument :

BNA_G

ClientSampleId :

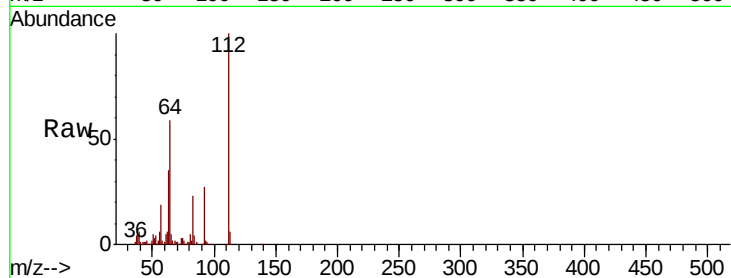
Tot Ion:112 Resp: 435365

Ion Ratio Lower Upper

112 100

64 59.4 56.6 84.8

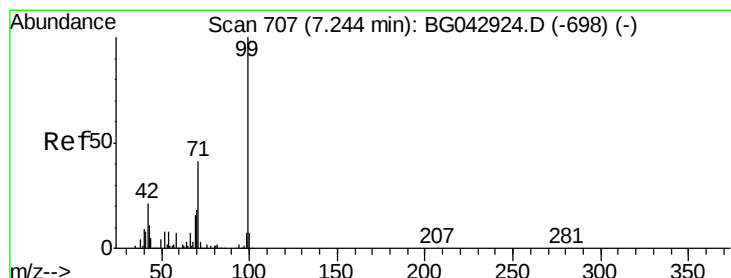
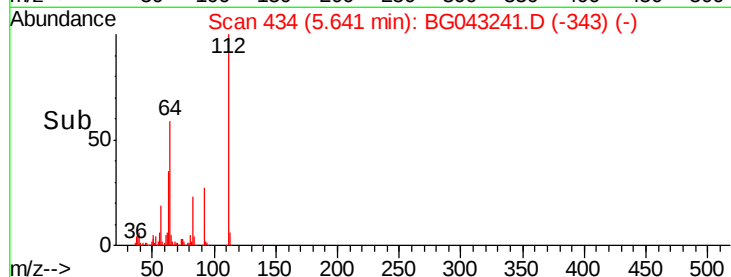
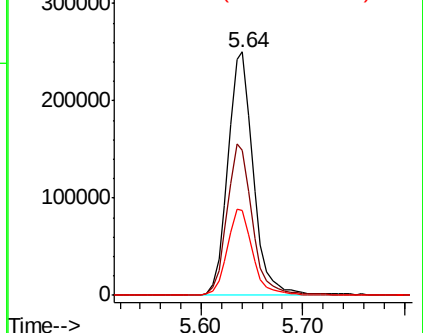
63 34.7 35.1 52.7#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 124.994 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.00 min

Lab File: BG043241.D

Acq: 16 Oct 2019 7:29

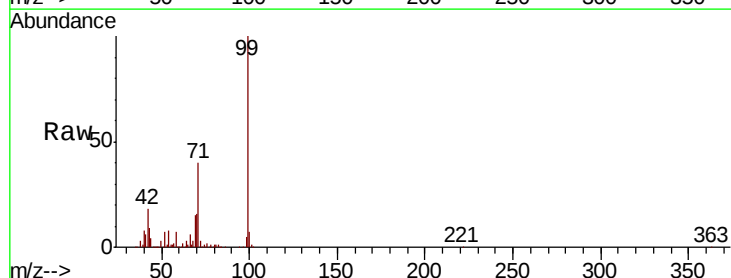
Tgt Ion: 99 Resp: 599094

Ion Ratio Lower Upper

99 100

42 18.1 17.2 25.8

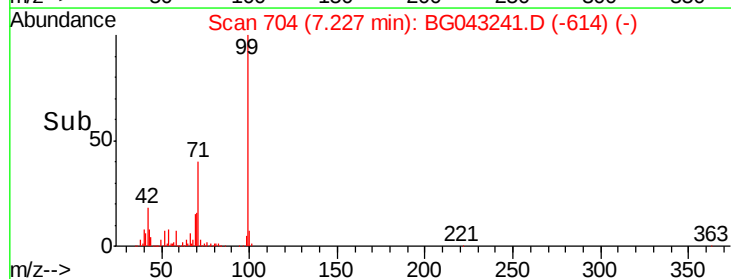
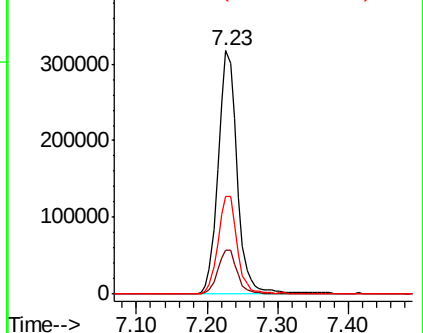
71 40.2 33.1 49.7

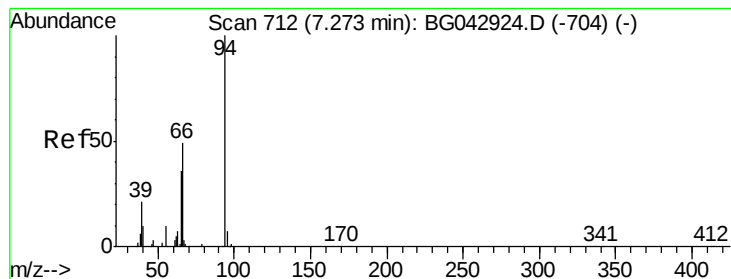


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 3.193 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.00 min

Lab File: BG043241.D

Acq: 16 Oct 2019 7:29

Instrument :

BNA_G

ClientSampleId :

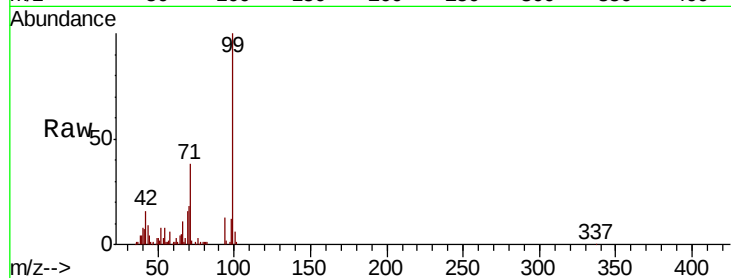
Tot Ion: 94 Resp: 14040

Ion Ratio Lower Upper

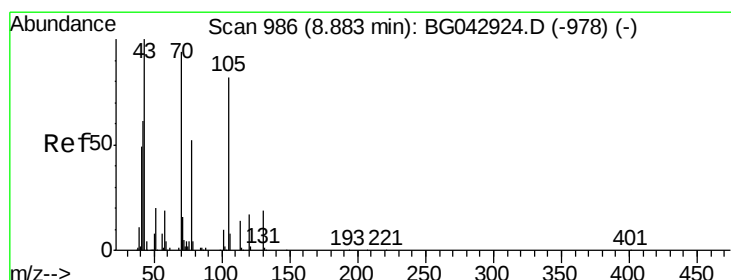
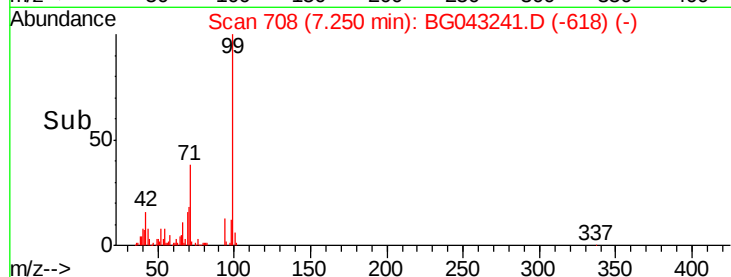
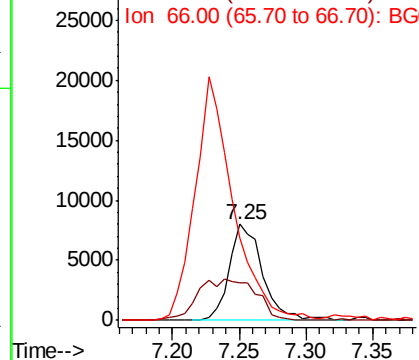
94 100

65 39.6 16.6 56.6

66 85.3 32.4 72.4#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 16.498 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG043241.D

Acq: 16 Oct 2019 7:29

Tgt Ion: 70 Resp: 51924

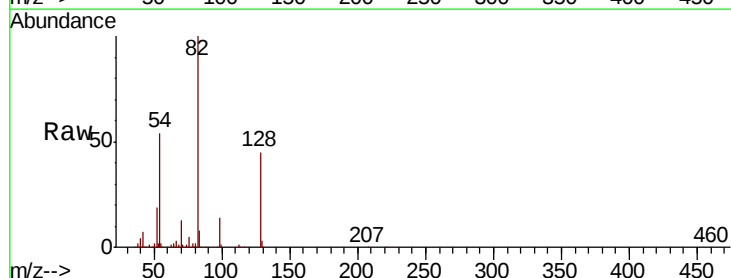
Ion Ratio Lower Upper

70 100

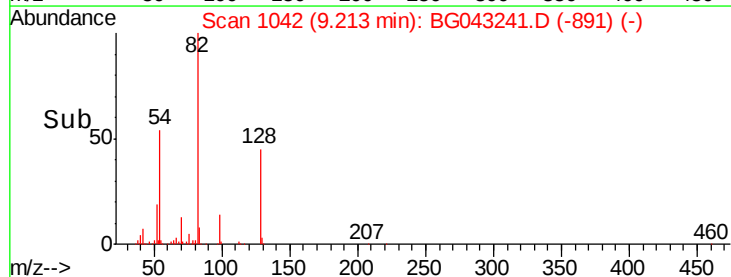
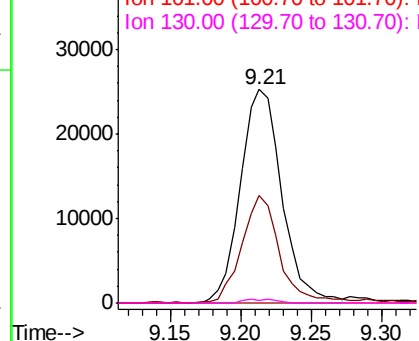
42 50.2 52.6 79.0#

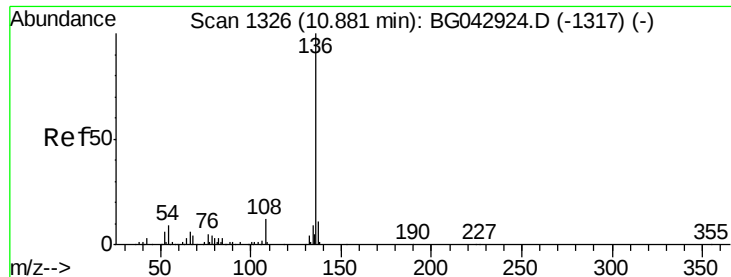
101 0.0 8.7 13.1#

130 1.5 15.8 23.8#



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

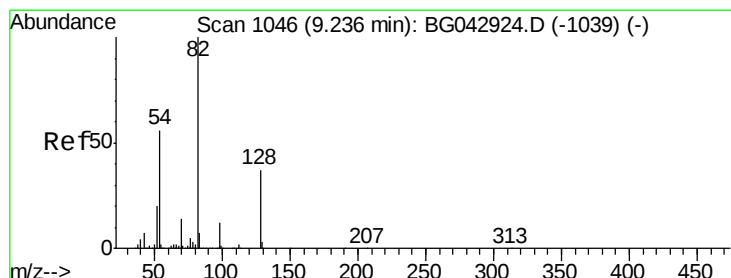
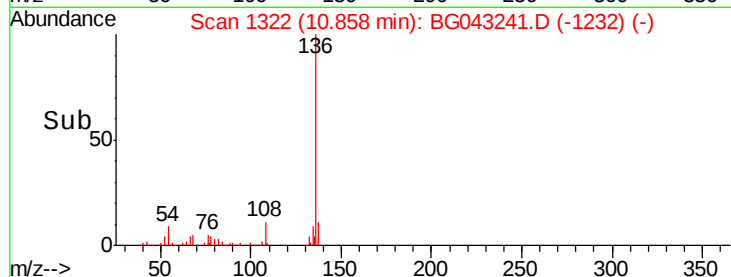
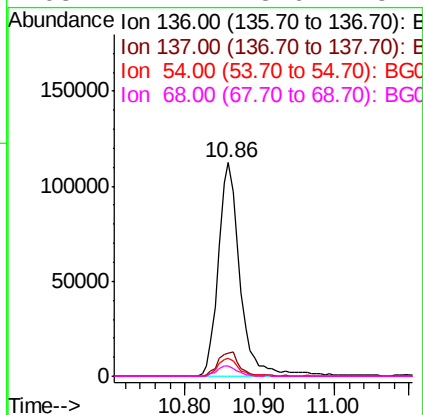
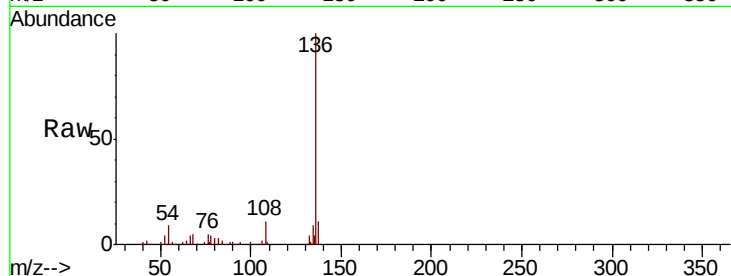




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG043241.D
Acq: 16 Oct 2019 7:29

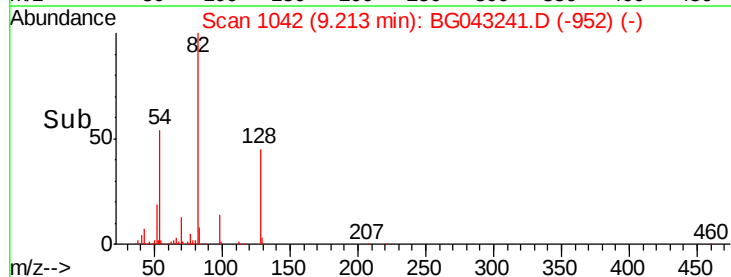
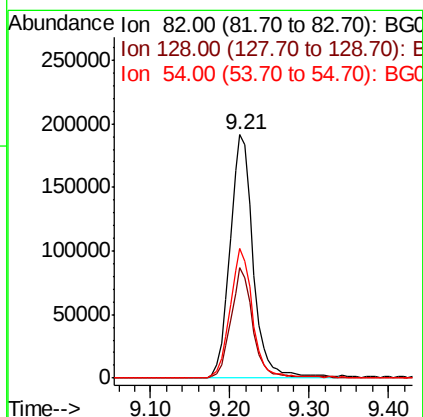
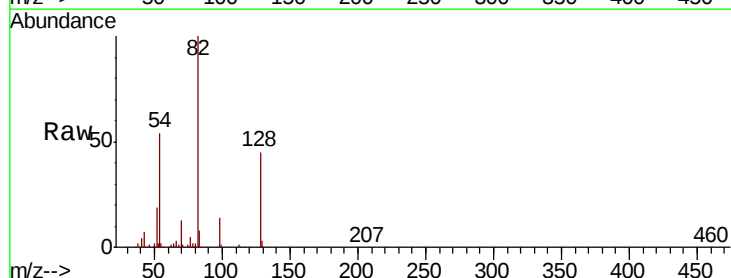
Instrument :
BNA_G
ClientSampleId :

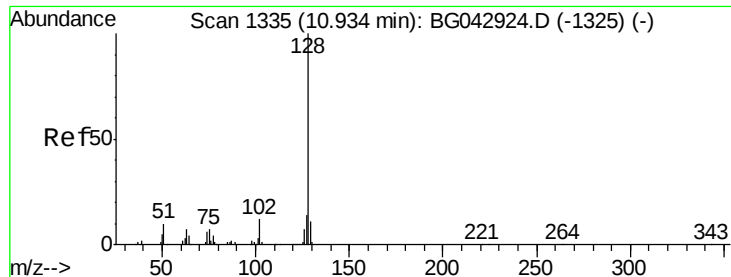
Tot Ion:136	Resp:	227217
Ion Ratio	Lower	Upper
136 100		
137 10.7	8.5	12.7
54 8.6	7.4	11.2
68 4.7	3.6	5.4



#23
Nitrobenzene-d5
Concen: 82.835 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG043241.D
Acq: 16 Oct 2019 7:29

Tgt	Ion: 82	Resp:	387233
Ion	Ratio	Lower	Upper
82	100		
128	45.2	29.5	44.3#
54	53.5	44.6	67.0

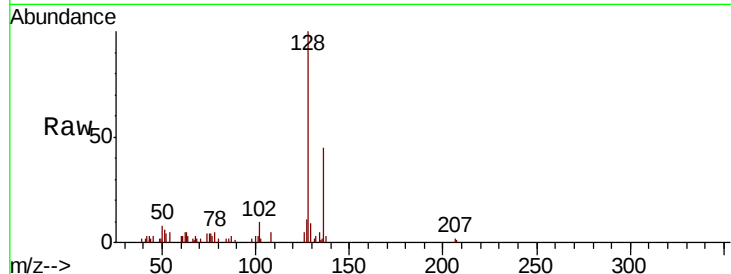




#31
Naphthalene
Concen: 2.153 ng
RT: 10.91 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG043241.D
Acq: 16 Oct 2019 7:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.3	8.8	13.2
127	11.2	11.3	16.9#

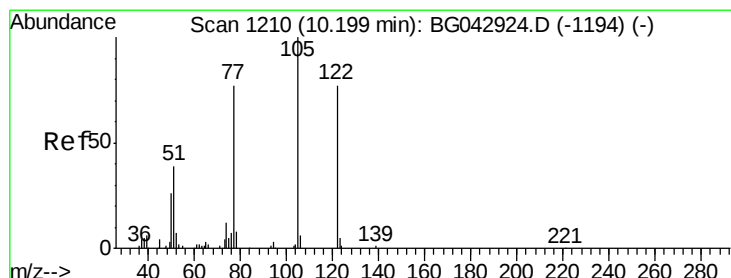
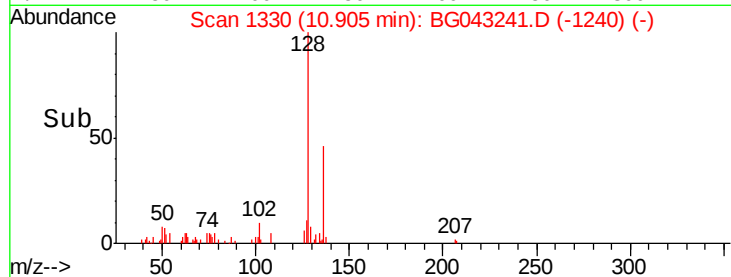
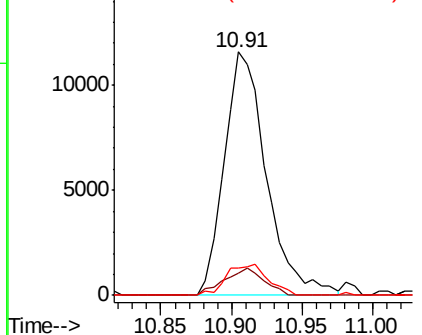


Abundance

Ion 128.00 (127.70 to 128.70): E

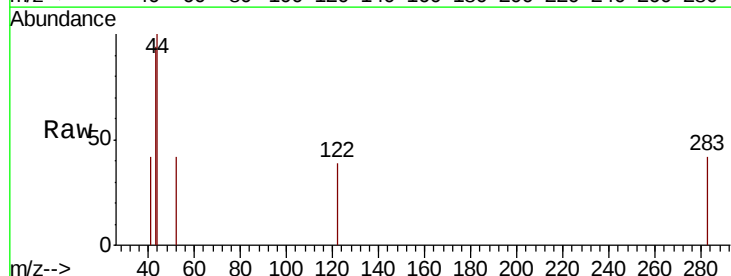
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 2.827 ng
RT: 10.08 min Scan# 1189
Delta R.T. -0.10 min
Lab File: BG043241.D
Acq: 16 Oct 2019 7:29

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.5	147.5#
77	0.0	79.8	119.8#

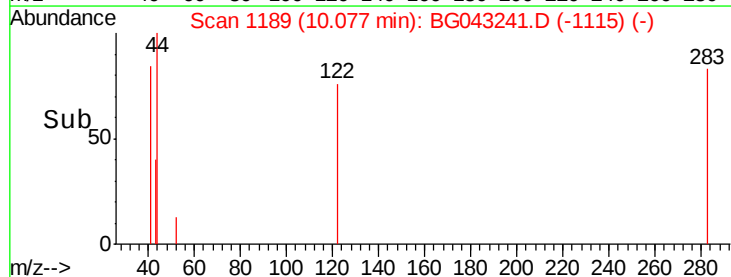
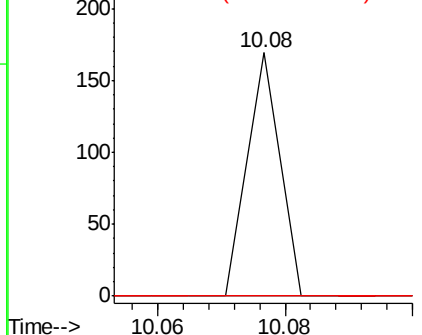


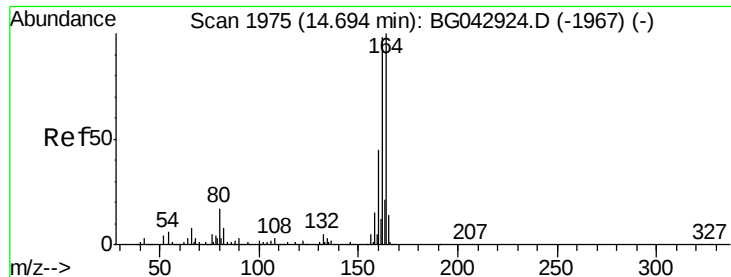
Abundance

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): BG





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG043241.D

Acq: 16 Oct 2019 7:29

Instrument :

BNA_G

ClientSampleId :

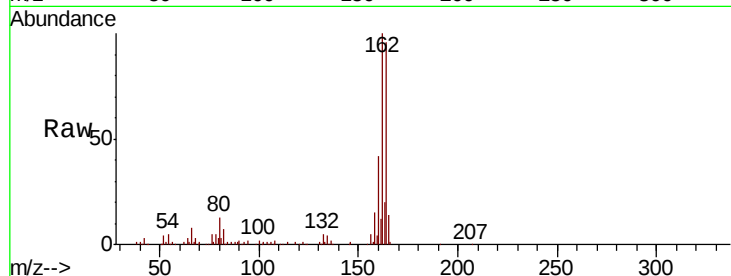
Tot Ion:164 Resp: 153606

Ion Ratio Lower Upper

164 100

162 104.2 78.5 117.7

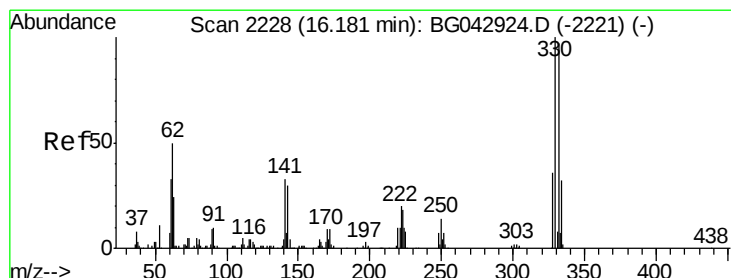
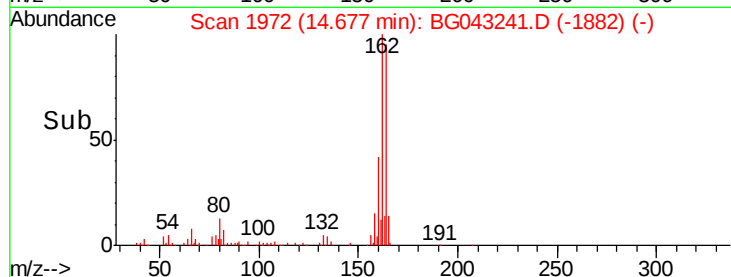
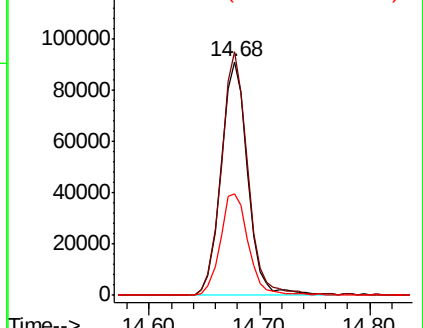
160 43.3 35.9 53.9



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: 134.144 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BG043241.D

Acq: 16 Oct 2019 7:29

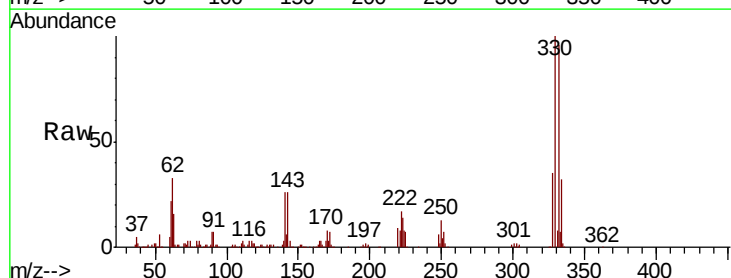
Tgt Ion:330 Resp: 354321

Ion Ratio Lower Upper

330 100

332 95.8 78.2 117.2

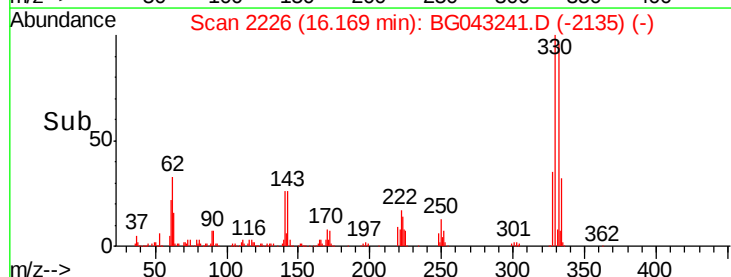
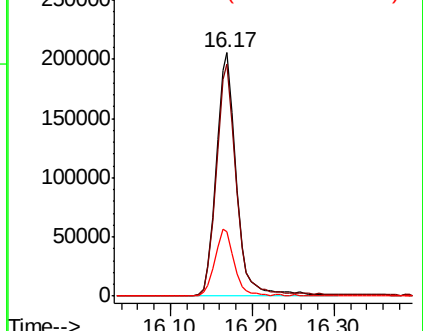
141 27.0 26.0 39.0

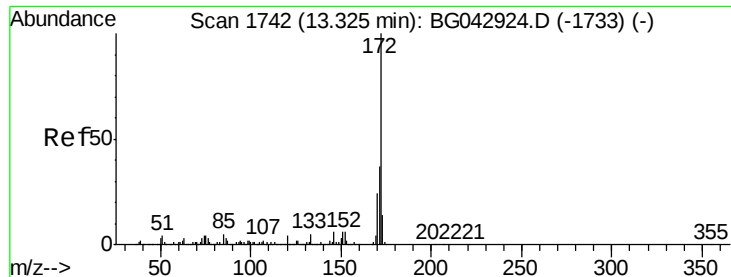


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

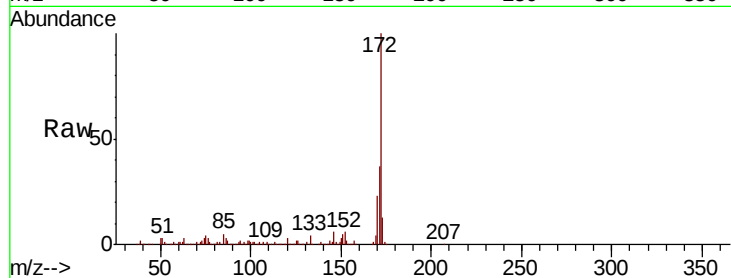




#45
2-Fluorobiphenyl
Concen: 93.785 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG043241.D
Acq: 16 Oct 2019 7:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	23.0	19.6	29.4

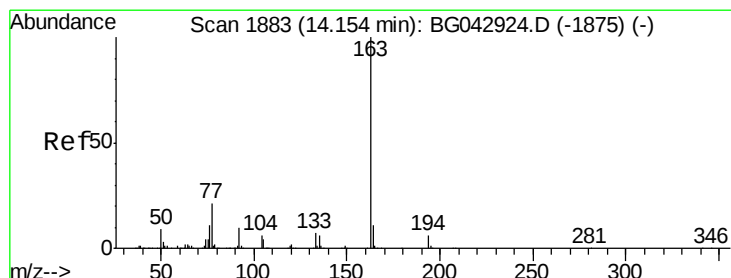
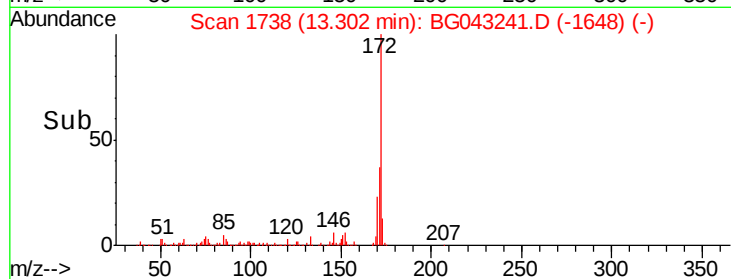
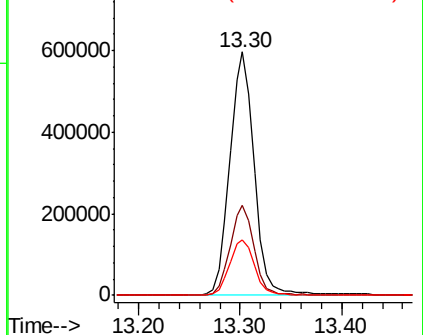


Abundance

Ion 172.00 (171.70 to 172.70): E

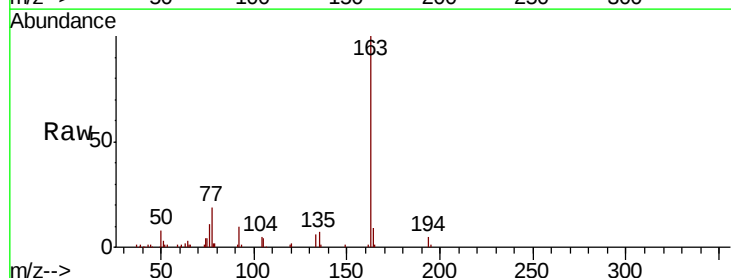
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.282 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG043241.D
Acq: 16 Oct 2019 7:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	4.4	6.6
164	9.1	8.6	12.8

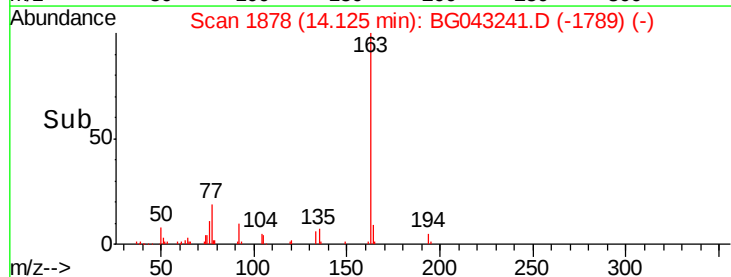
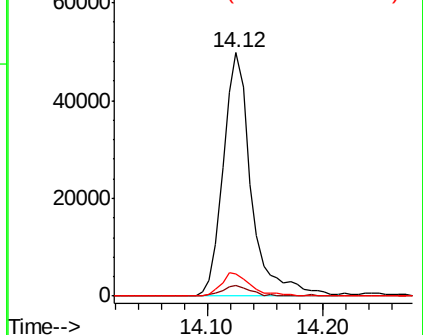


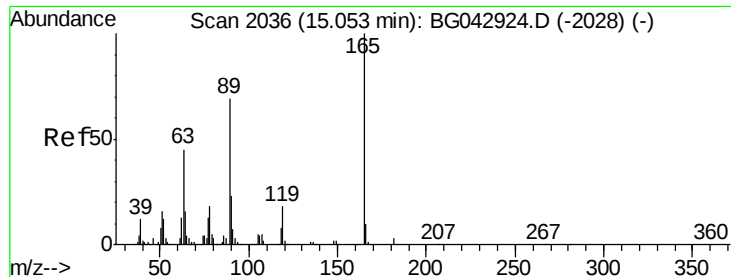
Abundance

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

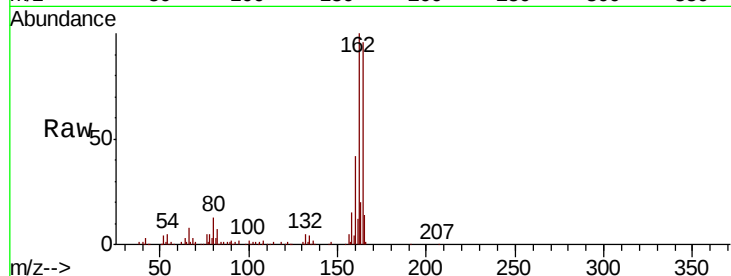




#57
 2,4-Dinitrotoluene
 Concen: 5.904 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.36 min
 Lab File: BG043241.D
 Acq: 16 Oct 2019 7:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.5	54.7#
89	4.0	55.5	83.3#
182	0.0	2.4	3.6#

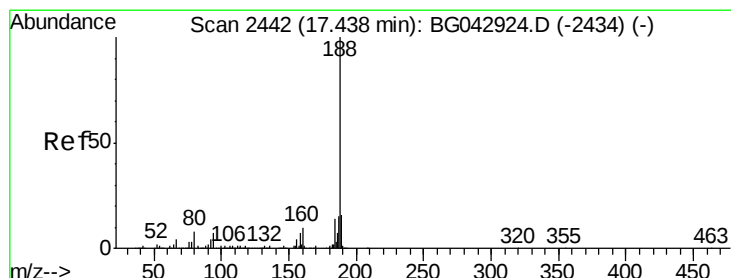
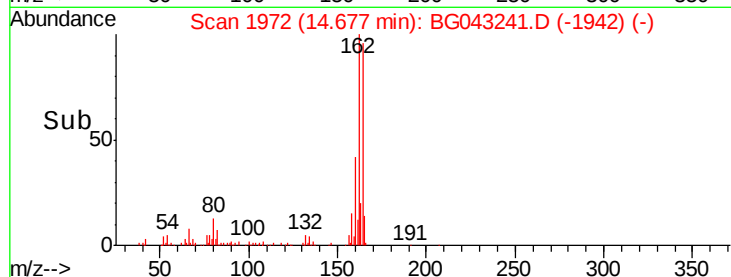
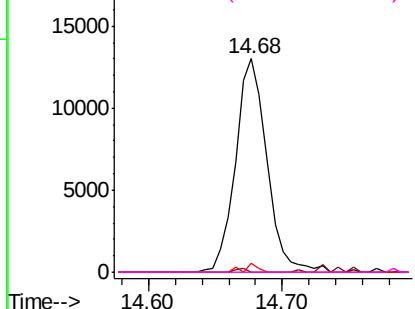


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

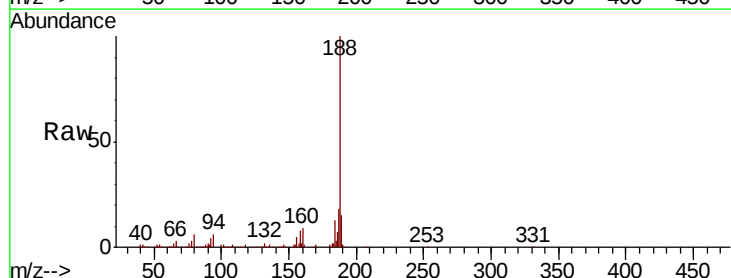
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2440
 Delta R.T. 0.01 min
 Lab File: BG043241.D
 Acq: 16 Oct 2019 7:29

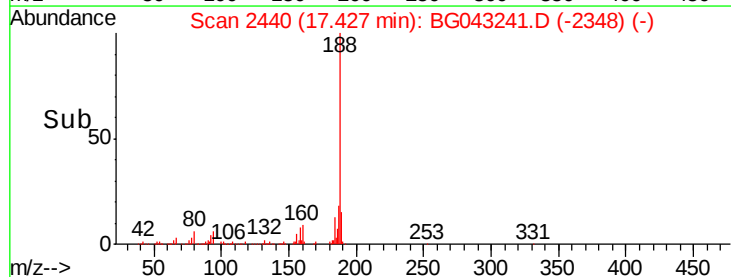
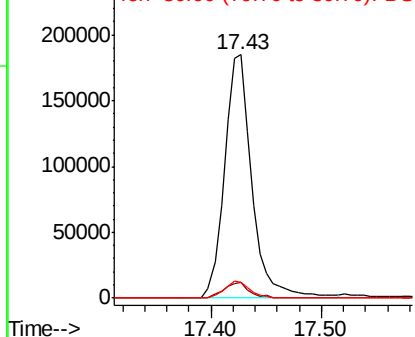
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.4	5.7	8.5
80	6.3	6.5	9.7#

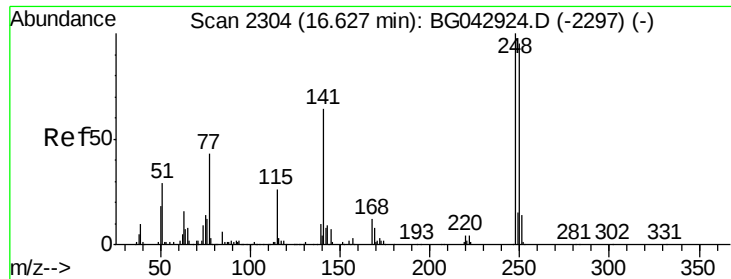


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 5.747 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.44 min

Lab File: BG043241.D

Acq: 16 Oct 2019 7:29

Instrument :

BNA_G

ClientSampleId :

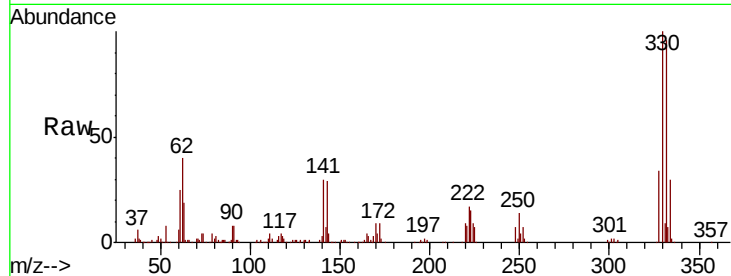
Tot Ion:248 Resp: 23185

Ion Ratio Lower Upper

248 100

250 190.1 75.8 113.8#

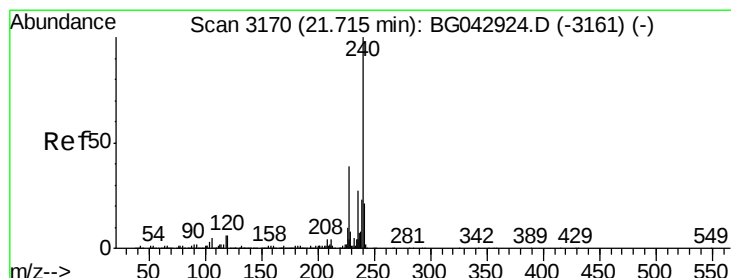
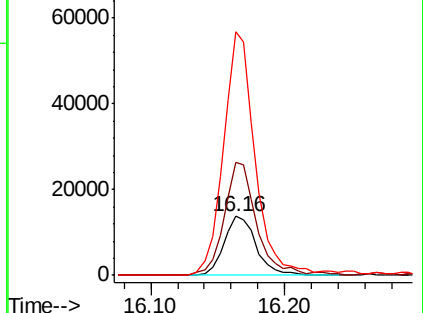
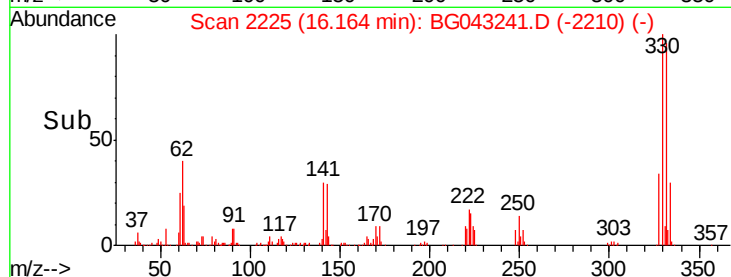
141 410.8 51.1 76.7#



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: 21.70 min Scan# 3167

Delta R.T. 0.01 min

Lab File: BG043241.D

Acq: 16 Oct 2019 7:29

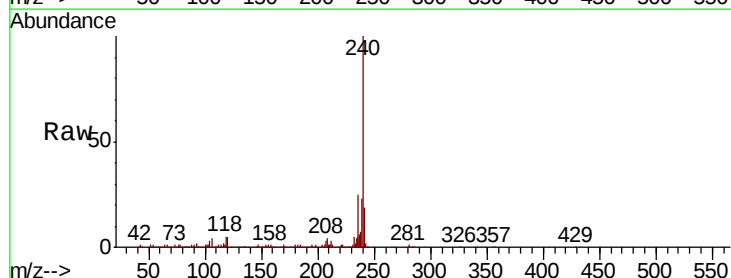
Tgt Ion:240 Resp: 357111

Ion Ratio Lower Upper

240 100

120 5.4 4.8 7.2

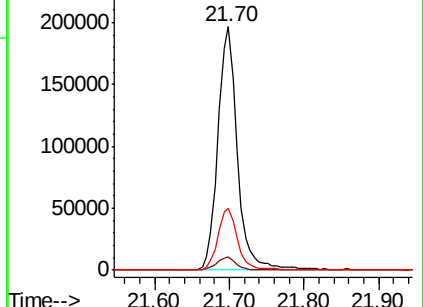
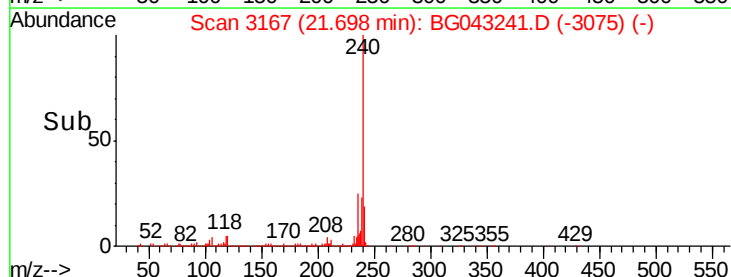
236 25.3 21.4 32.0

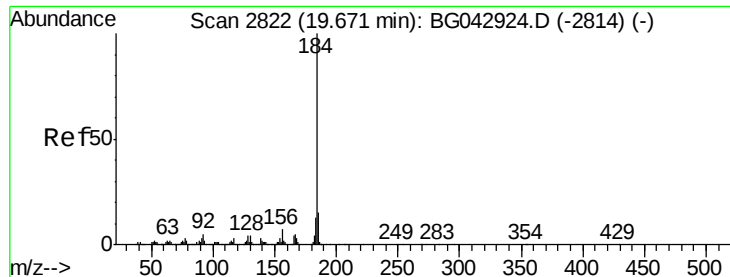


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.866 ng

RT: 20.04 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG043241.D

Acq: 16 Oct 2019 7:29

Instrument :

BNA_G

ClientSampleId :

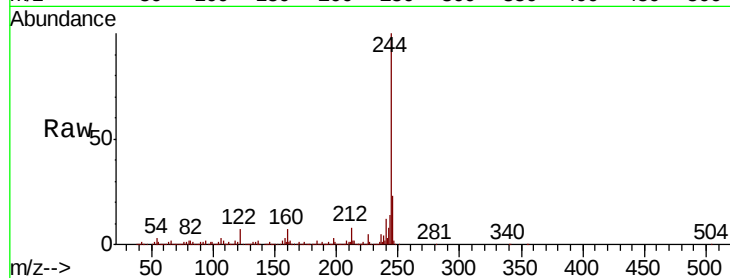
Tot Ion:184 Resp: 25623

Ion Ratio Lower Upper

184 100

185 16.7 11.8 17.8

183 11.9 10.1 15.1

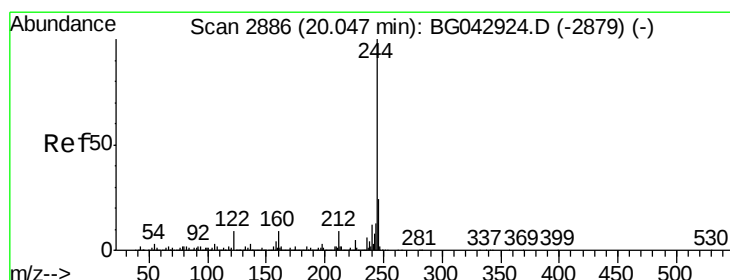
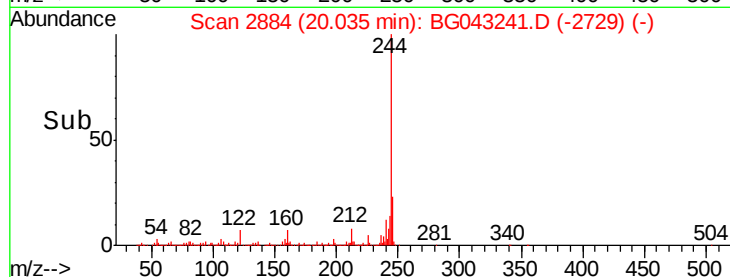
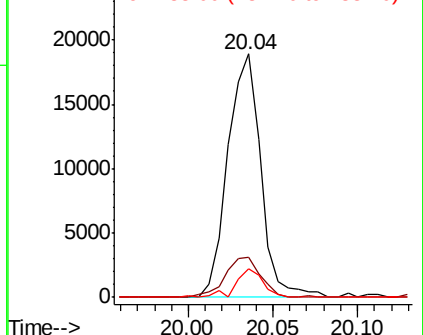


Abundance

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: 101.660 ng

RT: 20.04 min Scan# 2884

Delta R.T. 0.01 min

Lab File: BG043241.D

Acq: 16 Oct 2019 7:29

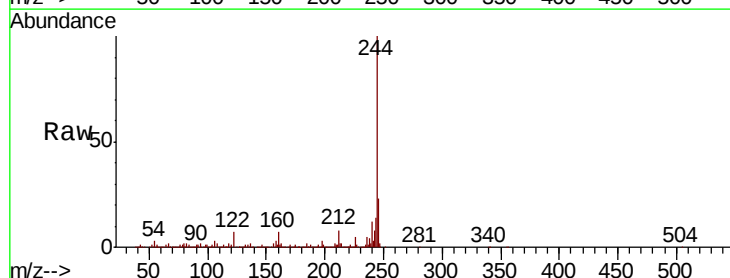
Tgt Ion:244 Resp: 1703704

Ion Ratio Lower Upper

244 100

212 7.7 7.4 11.0

122 7.1 7.0 10.4

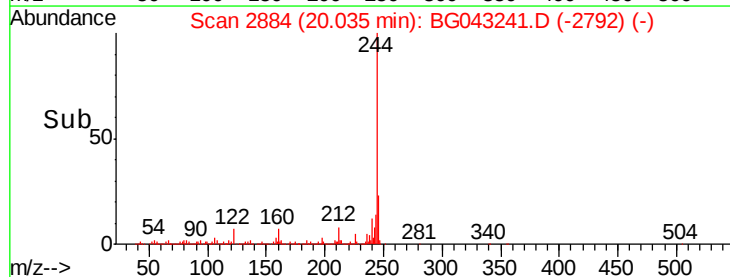
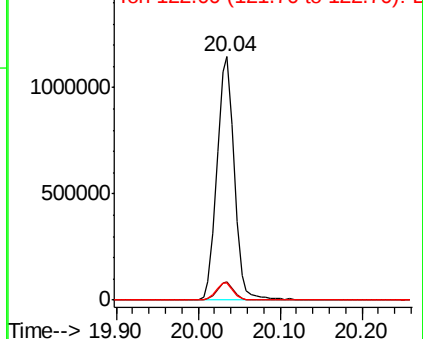


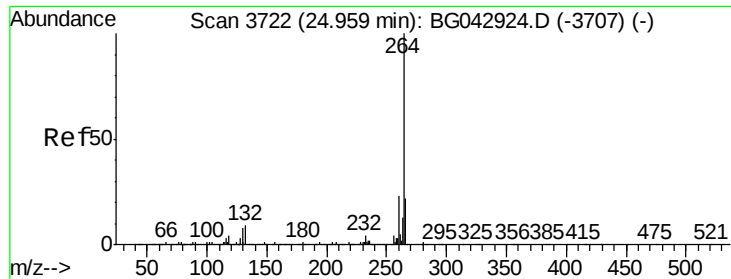
Abundance

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

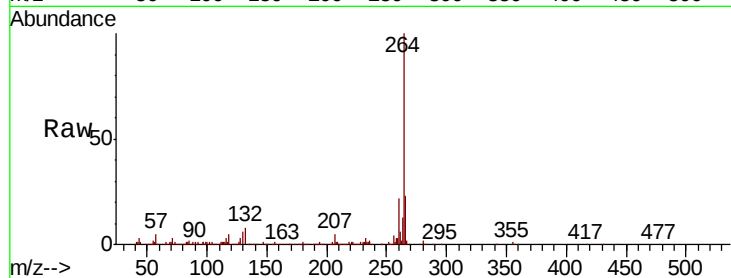




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3716
 Delta R.T. 0.01 min
 Lab File: BG043241.D
 Acq: 16 Oct 2019 7:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.7	28.1
265	22.9	17.7	26.5



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

