

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
 Data File : BG043240.D
 Acq On : 16 Oct 2019 6:51
 Operator : JU
 Sample : K5335-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 16 08:15:55 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

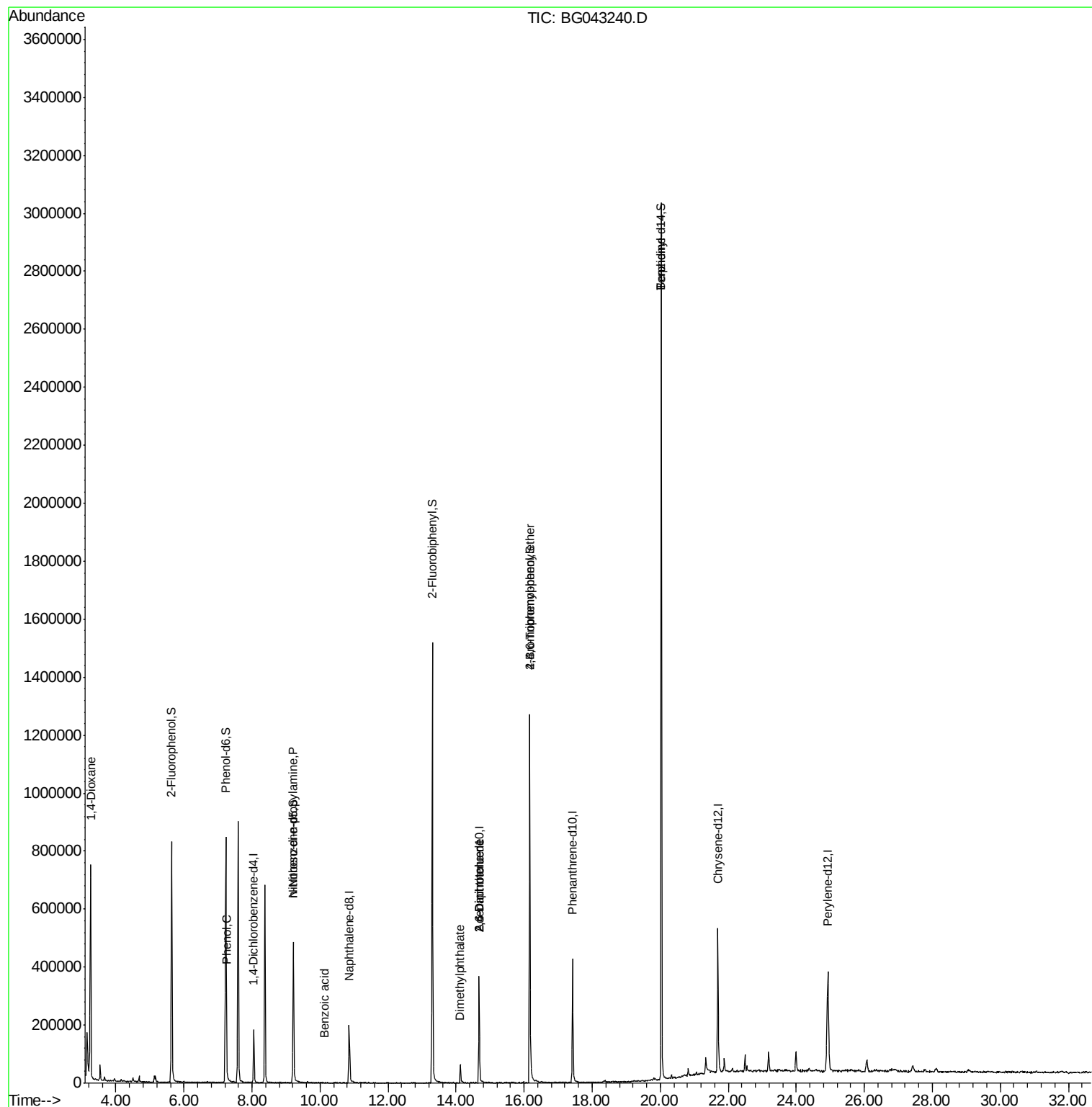
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	57422	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	213218	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	144138	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	312942	20.00	ng	0.00
76) Chrysene-d12	21.70	240	344860	20.00	ng	0.00
87) Perylene-d12	24.92	264	409761	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	382234	118.79	ng	0.00
7) Phenol-d6	7.23	99	531194	114.64	ng	0.00
23) Nitrobenzene-d5	9.22	82	336838	76.79	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	318585	128.54	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	904142	90.94	ng	0.00
79) Terphenyl-d14	20.03	244	1611174	99.55	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.26	88	8057	6.006	ng	# 1
10) Phenol	7.25	94	12259	2.884	ng	# 71
19) n-Nitroso-di-n-propylamine	9.22	70	46598	15.316	ng	# 72
32) Benzoic acid	10.12	122	57	2.828	ng	# 1
50) Dimethylphthalate	14.13	163	52151	4.829	ng	97
51) 2,6-Dinitrotoluene	14.68	165	18764	8.159	ng	# 20
57) 2,4-Dinitrotoluene	14.68	165	18764	5.571	ng	# 24
67) 4-Bromophenyl-phenylether	16.17	248	19337	4.923	ng	# 1
77) Benzidine	20.03	184	23802	2.756	ng	# 93

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

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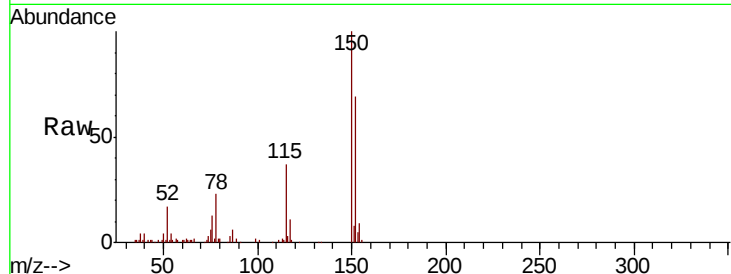


#1

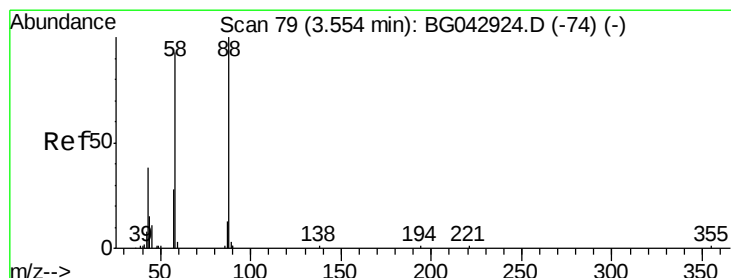
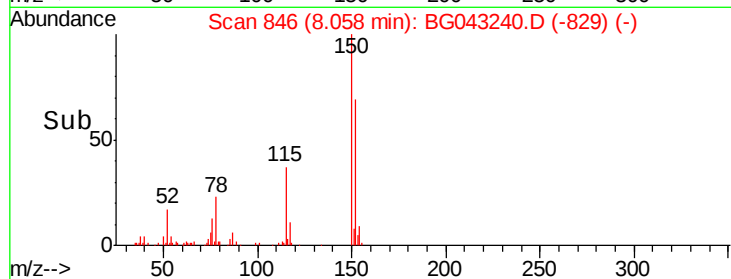
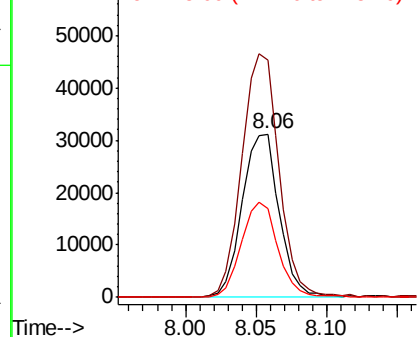
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG043240.D
Acq: 16 Oct 2019 6:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57422
Ion Ratio Lower Upper
152 100
150 145.7 115.0 172.4
115 54.2 47.0 70.6



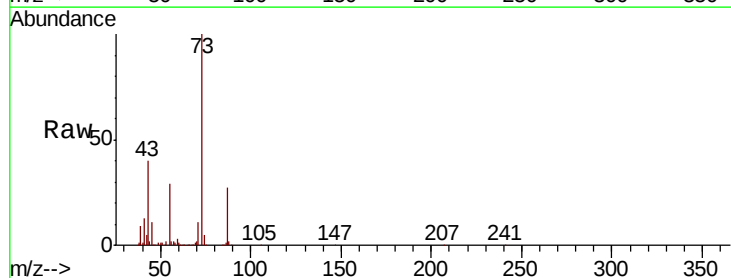
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



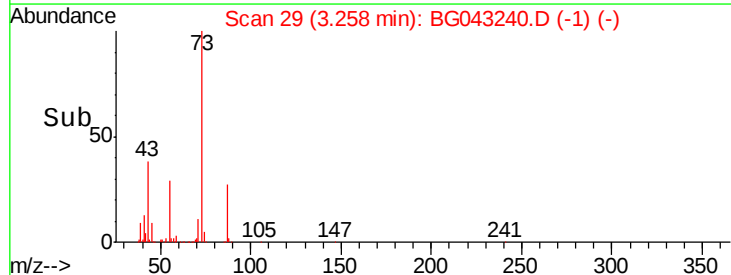
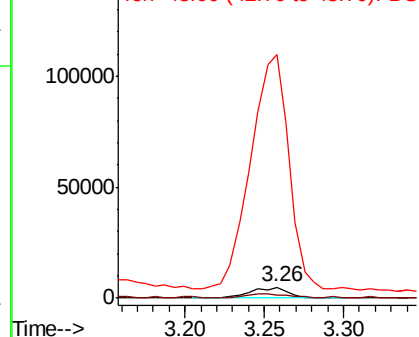
#2

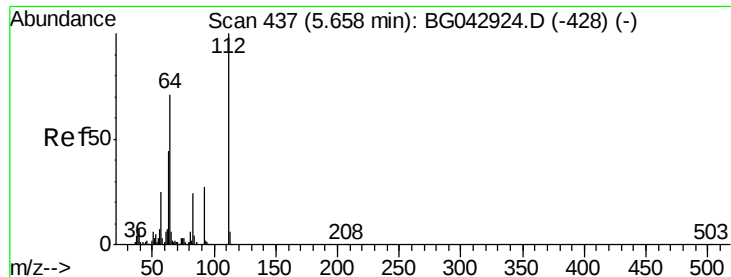
1,4-Dioxane
Concen: 6.006 ng
RT: 3.26 min Scan# 29
Delta R.T. -0.28 min
Lab File: BG043240.D
Acq: 16 Oct 2019 6:51

Tgt Ion: 88 Resp: 8057
Ion Ratio Lower Upper
88 100
58 28.8 74.3 111.5#
43 2286.5 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: 118.795 ng

RT: 5.64 min Scan# 434

Delta R.T. -0.00 min

Lab File: BG043240.D

Acq: 16 Oct 2019 6:51

Instrument :

BNA_G

ClientSampled :

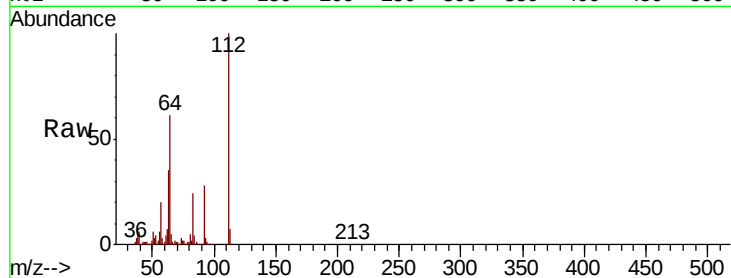
Tot Ion:112 Resp: 382234

Ion Ratio Lower Upper

112 100

64 61.3 56.6 84.8

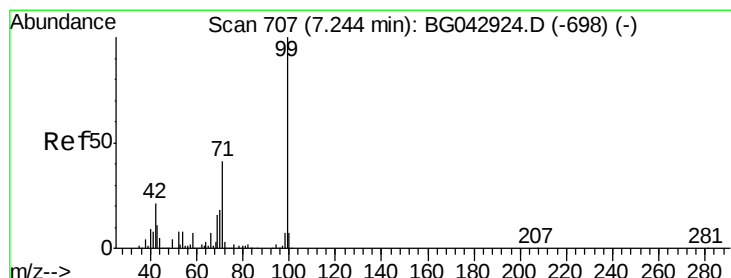
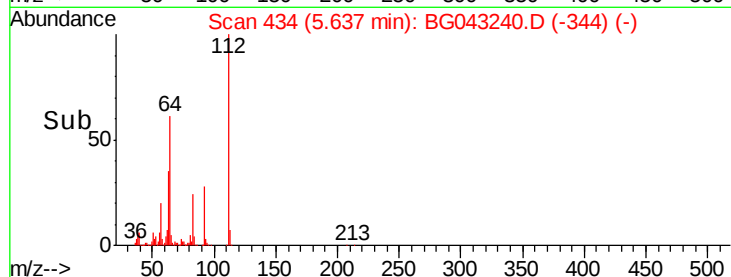
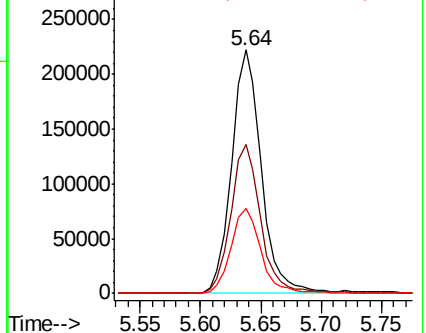
63 35.1 35.1 52.7



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: 114.641 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG043240.D

Acq: 16 Oct 2019 6:51

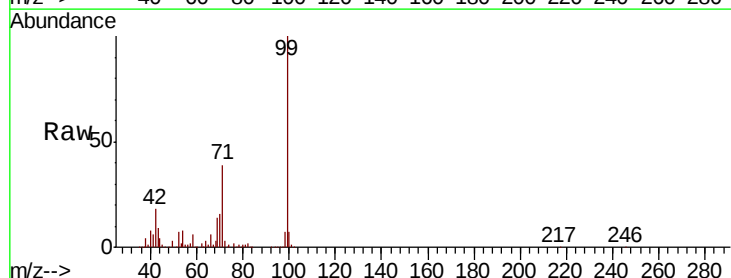
Tgt Ion: 99 Resp: 531194

Ion Ratio Lower Upper

99 100

42 18.4 17.2 25.8

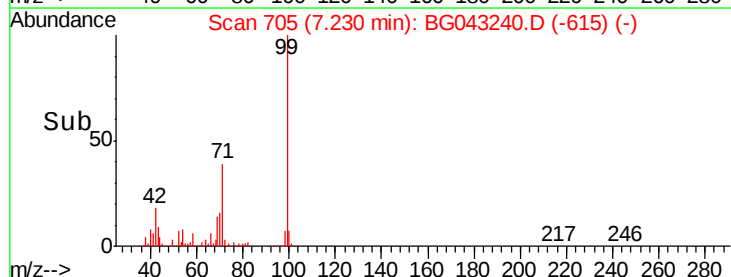
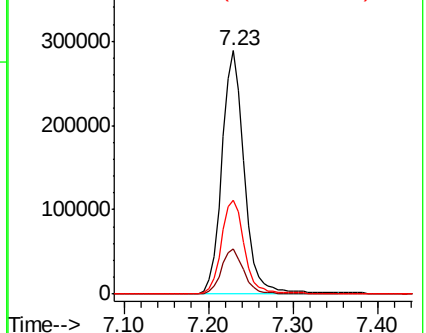
71 38.6 33.1 49.7

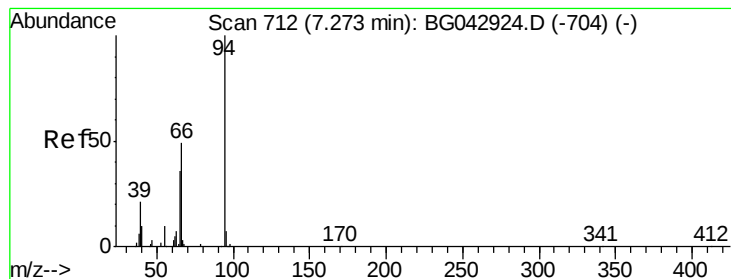


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.884 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.00 min

Lab File: BG043240.D

Acq: 16 Oct 2019 6:51

Instrument :

BNA_G

ClientSampleId :

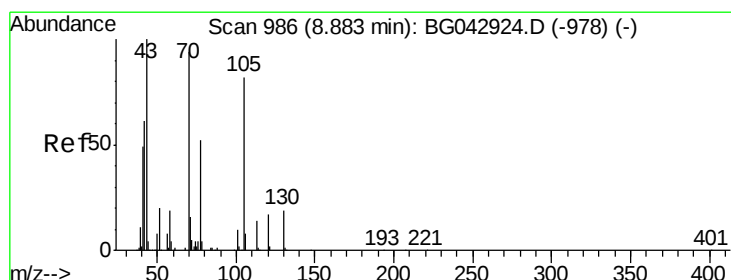
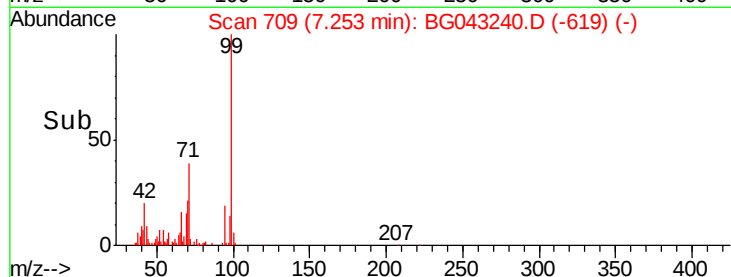
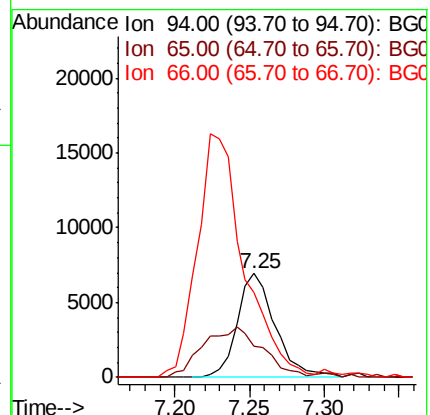
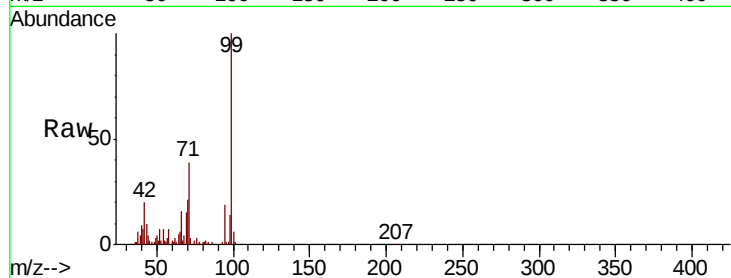
Tot Ion: 94 Resp: 12259

Ion Ratio Lower Upper

94 100

65 30.2 16.6 56.6

66 81.5 32.4 72.4#



#19

n-Nitroso-di-n-propylamine

Concen: 15.316 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.36 min

Lab File: BG043240.D

Acq: 16 Oct 2019 6:51

Tgt Ion: 70 Resp: 46598

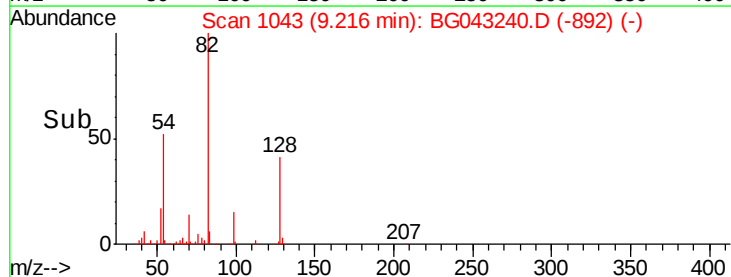
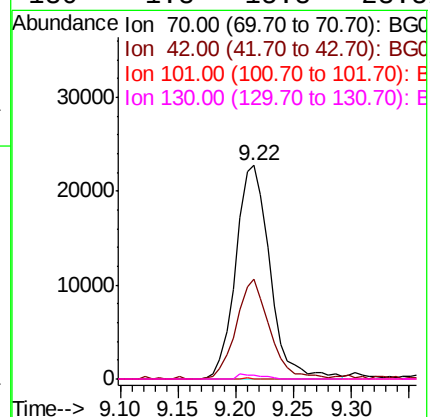
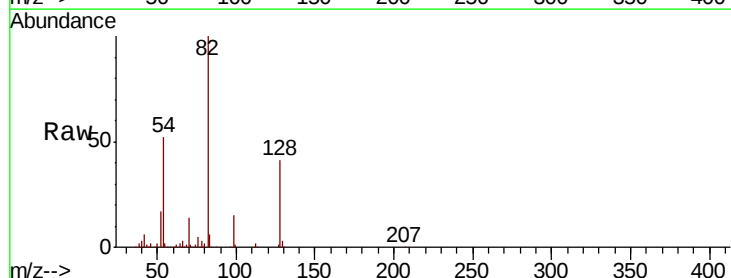
Ion Ratio Lower Upper

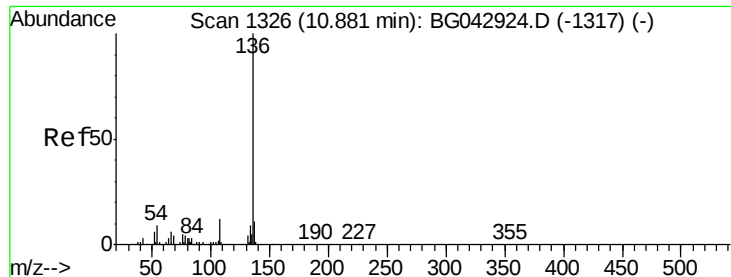
70 100

42 46.7 52.6 79.0#

101 0.0 8.7 13.1#

130 1.8 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BG043240.D

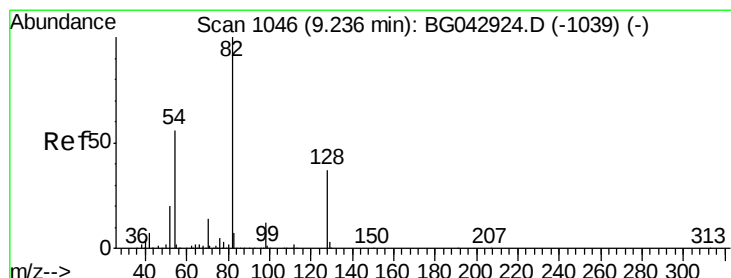
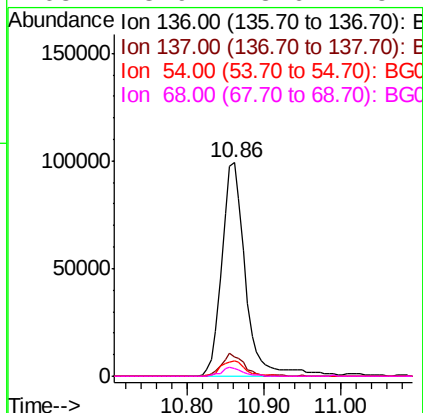
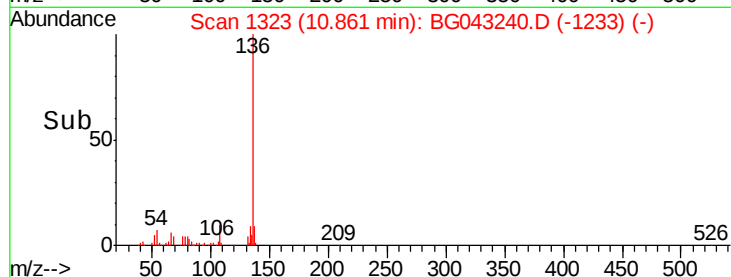
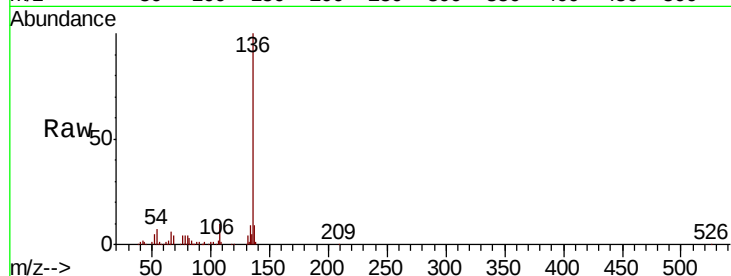
Acq: 16 Oct 2019 6:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	213218
Ion	Ratio	Lower Upper
136	100	
137	9.0	8.5 12.7
54	7.4	7.4 11.2#
68	3.9	3.6 5.4



#23

Nitrobenzene-d5

Concen: 76.786 ng

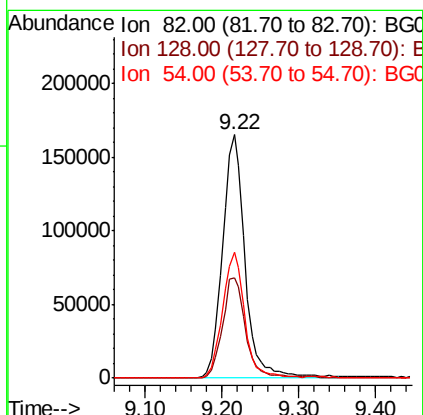
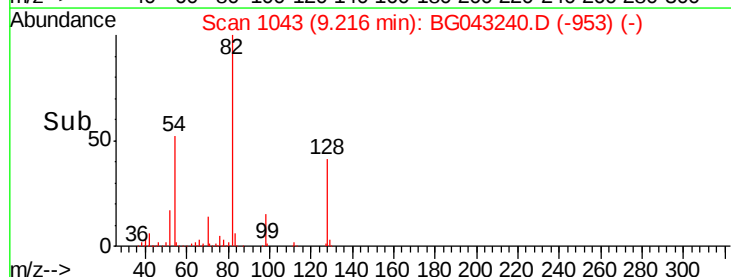
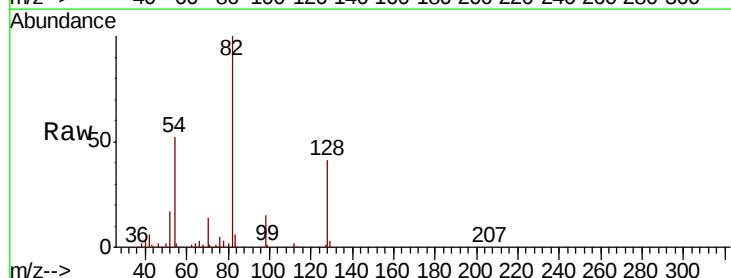
RT: 9.22 min Scan# 1043

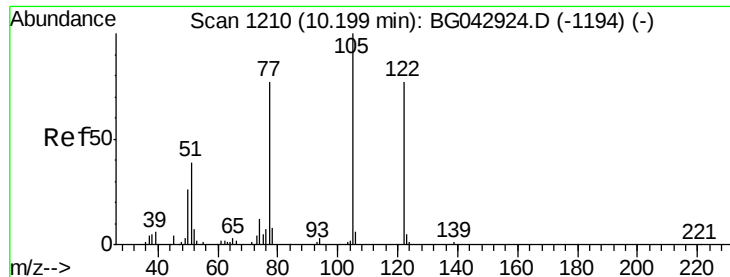
Delta R.T. -0.00 min

Lab File: BG043240.D

Acq: 16 Oct 2019 6:51

Tgt Ion: 82	Resp:	336838
Ion	Ratio	Lower Upper
82	100	
128	40.9	29.5 44.3
54	51.9	44.6 67.0

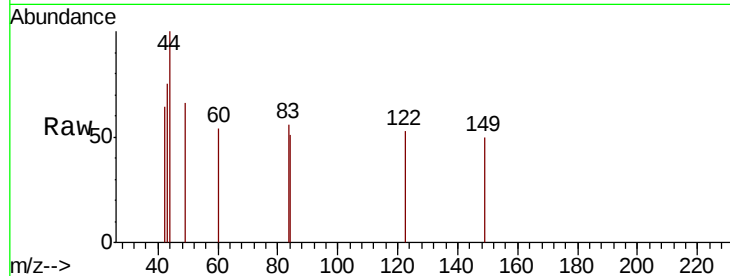




#32
Benzoic acid
Concen: 2.828 ng
RT: 10.12 min Scan# 1197
Delta R.T. -0.05 min
Lab File: BG043240.D
Acq: 16 Oct 2019 6:51

Instrument :
BNA_G
ClientSampleId :

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

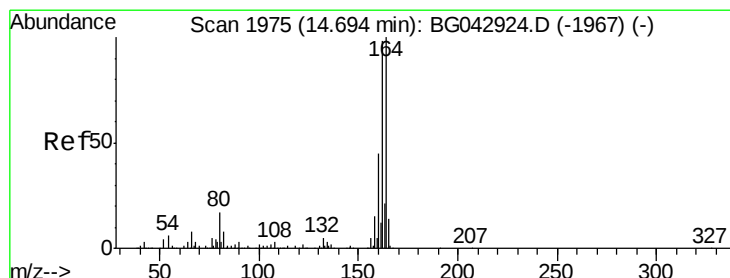
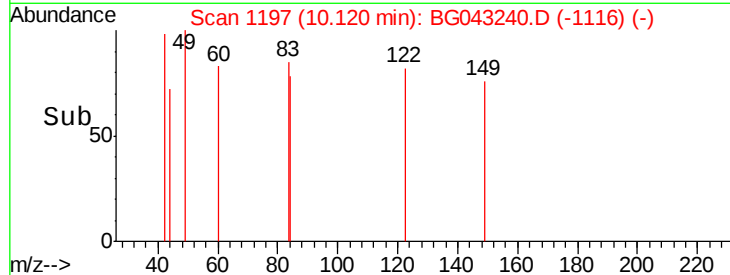
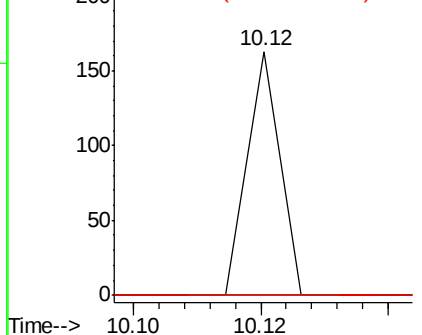


Abundance

Ion 122.00 (121.70 to 122.70): E

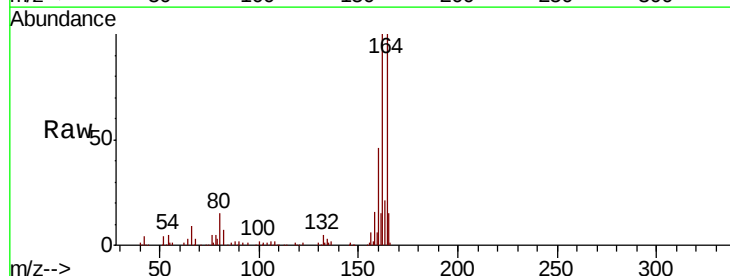
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BG043240.D
Acq: 16 Oct 2019 6:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	78.5	117.7
160	46.4	35.9	53.9

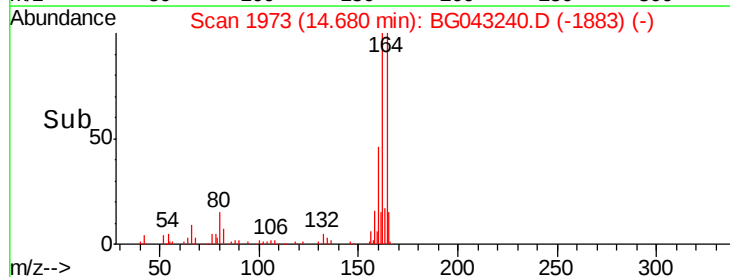
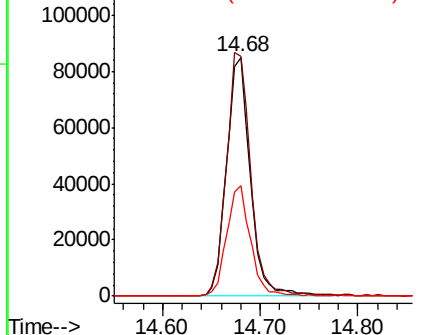


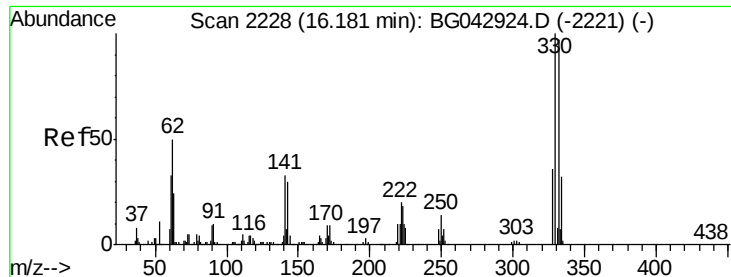
Abundance

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

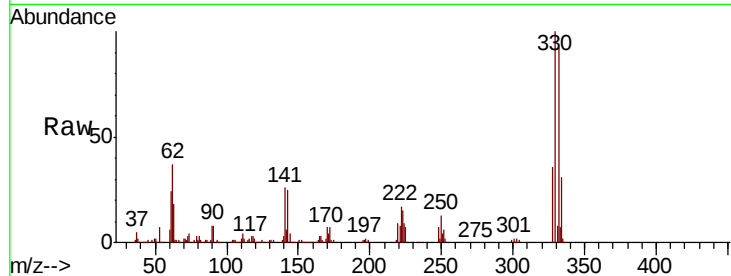




#42
 2,4,6-Tribromophenol
 Concen: 128.537 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.00 min
 Lab File: BG043240.D
 Acq: 16 Oct 2019 6:51

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.2	117.2
141	26.9	26.0	39.0

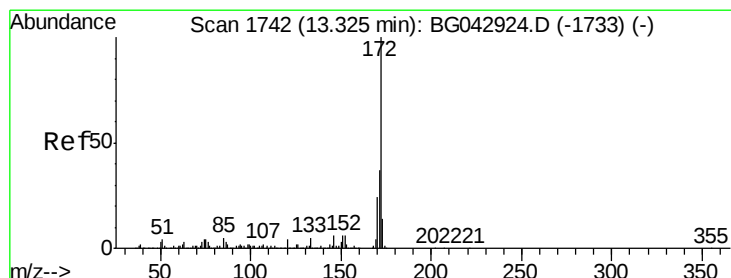
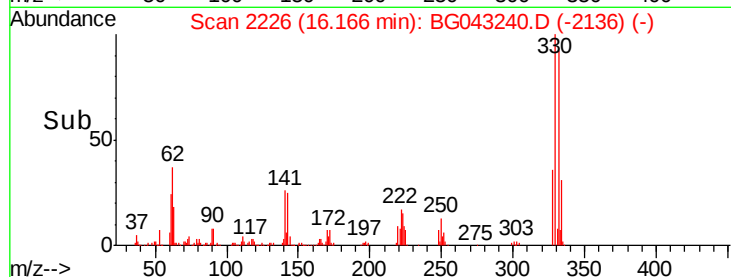
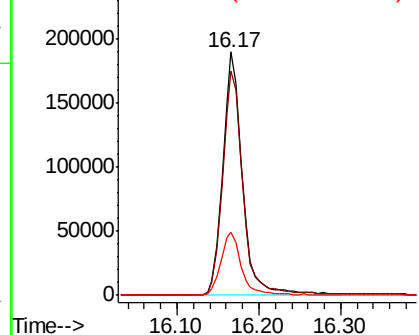


Abundance

Ion 329.80 (329.50 to 330.50): E

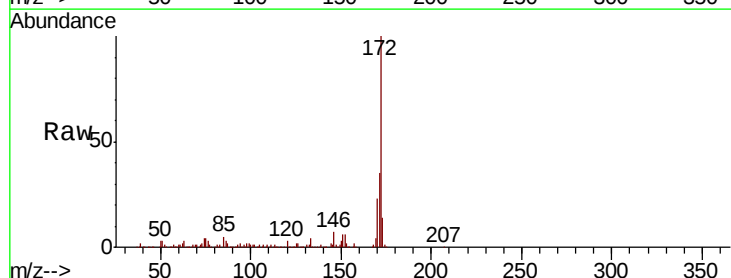
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 90.936 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.01 min
 Lab File: BG043240.D
 Acq: 16 Oct 2019 6:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	22.6	19.6	29.4

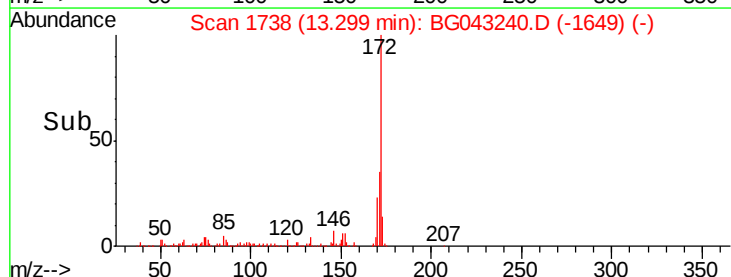
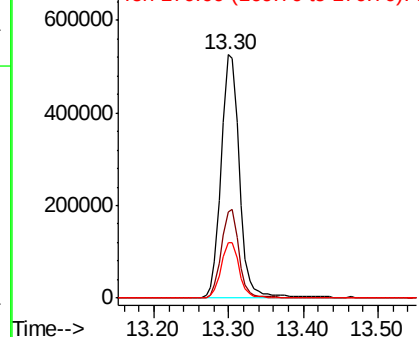


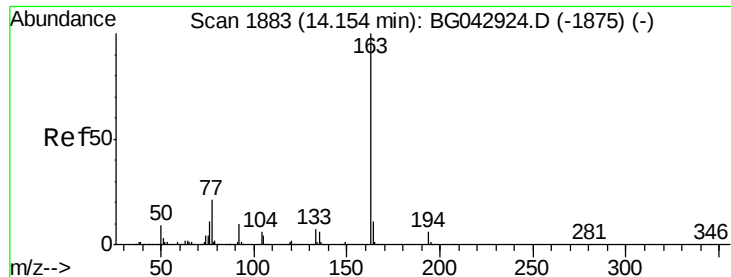
Abundance

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

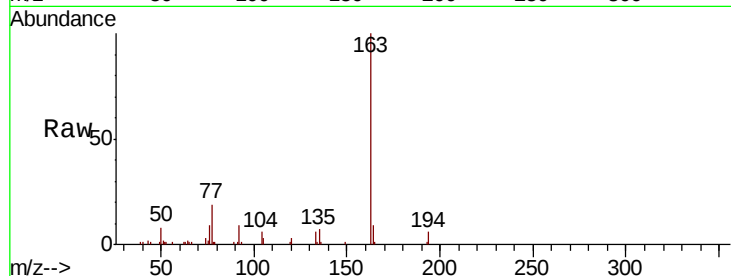




#50
Dimethylphthalate
Concen: 4.829 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BG043240.D
Acq: 16 Oct 2019 6:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.8	4.4	6.6
164	9.2	8.6	12.8

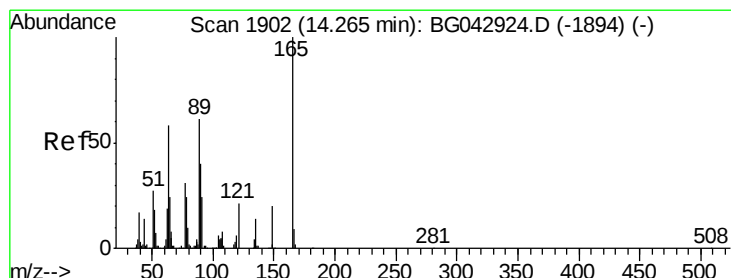
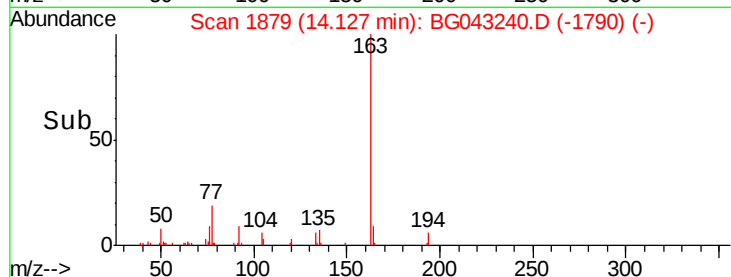
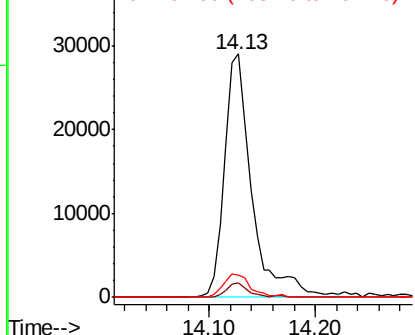


Abundance

Ion 163.00 (162.70 to 163.70): E

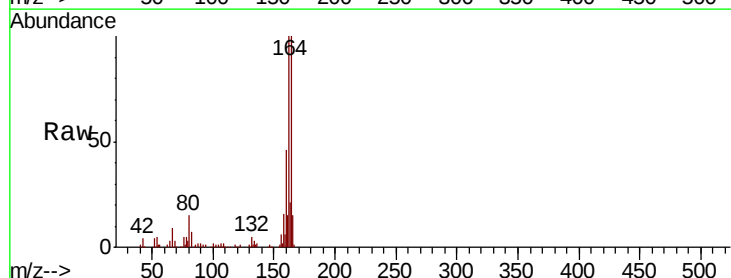
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 8.159 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.43 min
Lab File: BG043240.D
Acq: 16 Oct 2019 6:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.3	75.5#
89	1.2	48.9	73.3#

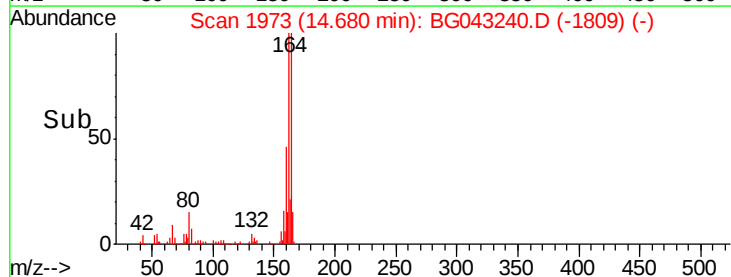
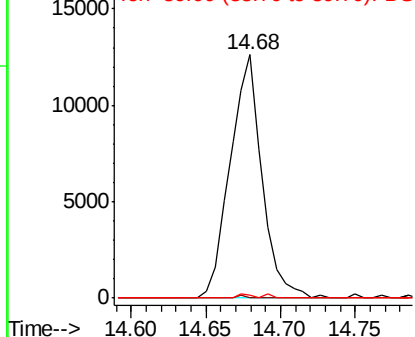


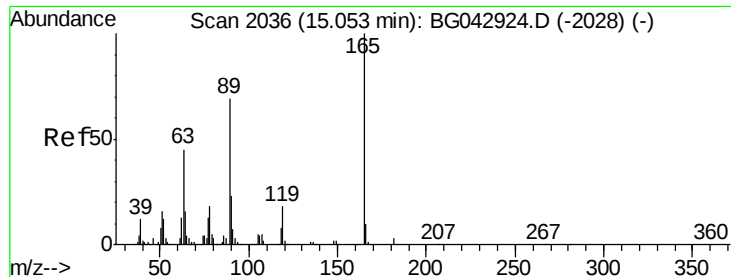
Abundance

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





#57

2,4-Dinitrotoluene

Concen: 5.571 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.35 min

Lab File: BG043240.D

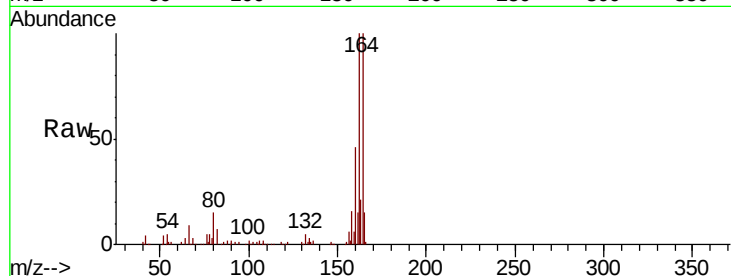
Acq: 16 Oct 2019 6:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165	Resp:	18764
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.5 54.7#
89	1.2	55.5 83.3#
182	0.0	2.4 3.6#

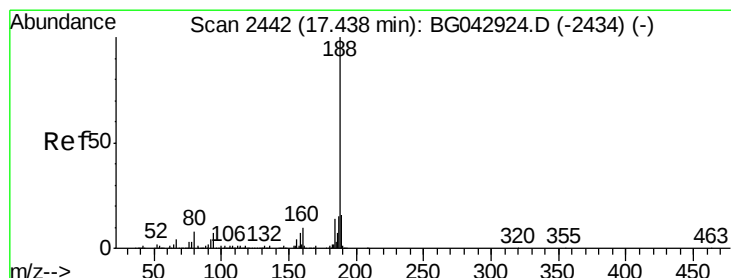
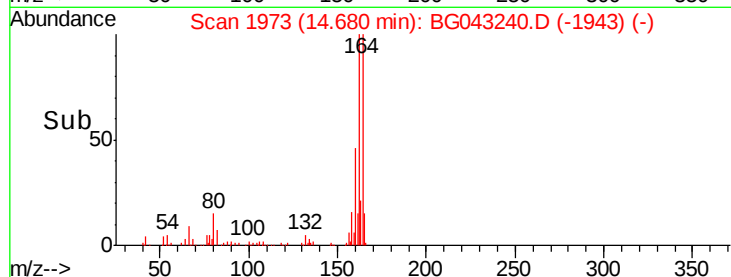
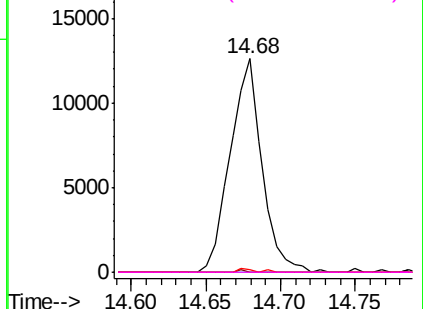


Abundance Ion 165.00 (164.70 to 165.70): E

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

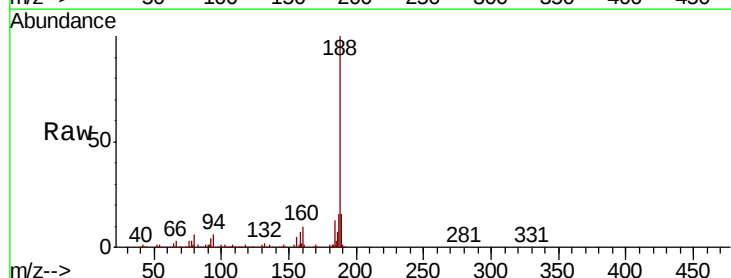
RT: 17.42 min Scan# 2440

Delta R.T. 0.00 min

Lab File: BG043240.D

Acq: 16 Oct 2019 6:51

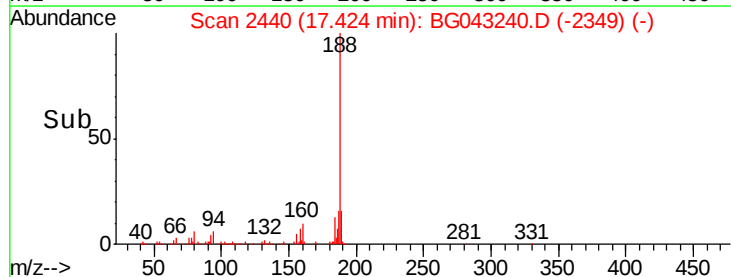
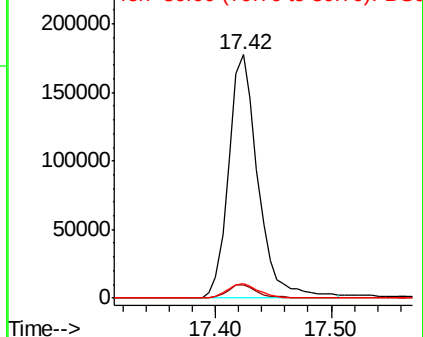
Tgt Ion:188	Resp:	312942
Ion Ratio	Lower	Upper
188	100	
94	5.6	5.7 8.5#
80	6.2	6.5 9.7#

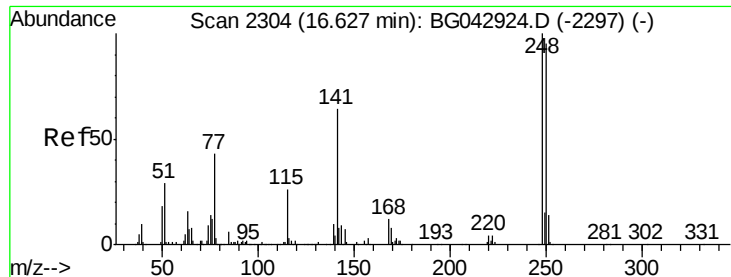


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

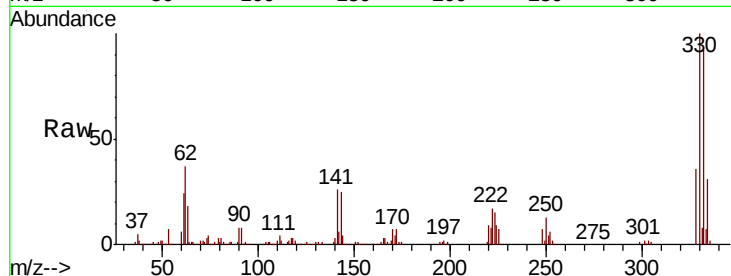




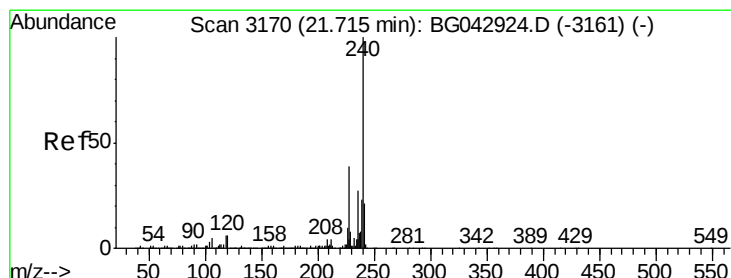
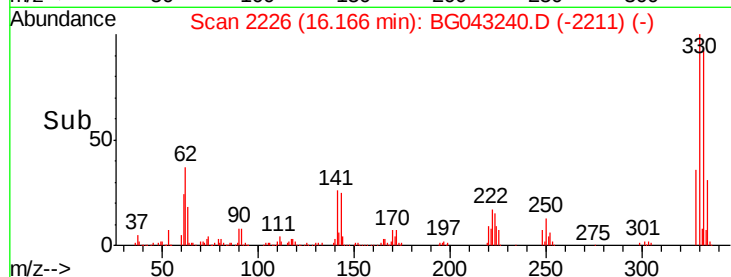
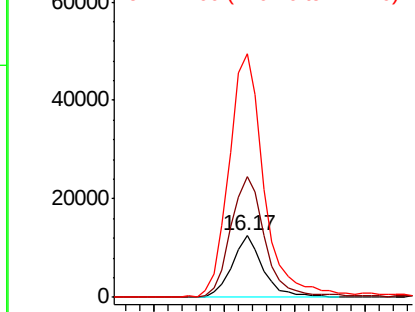
#67
4-Bromophenyl-phenylether
Concen: 4.923 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.44 min
Lab File: BG043240.D
Acq: 16 Oct 2019 6:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 19337
Ion Ratio Lower Upper
248 100
250 195.6 75.8 113.8#
141 395.0 51.1 76.7#

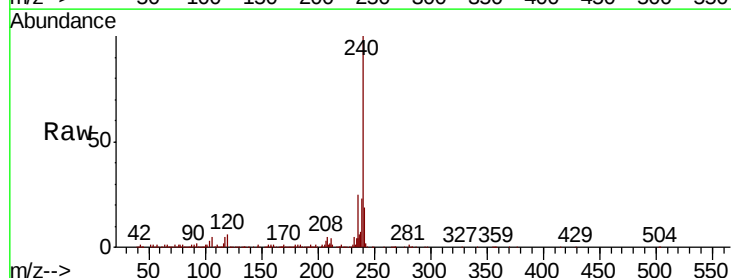


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

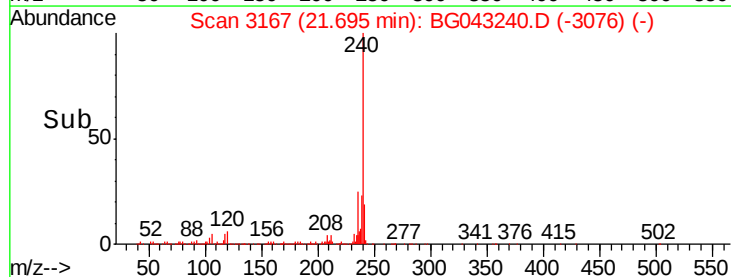
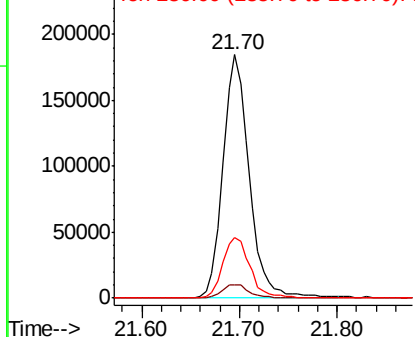


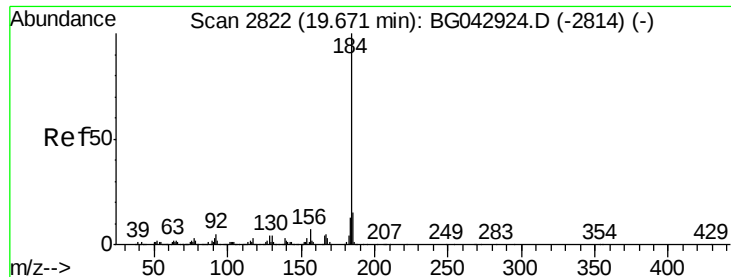
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. 0.00 min
Lab File: BG043240.D
Acq: 16 Oct 2019 6:51

Tgt Ion:240 Resp: 344860
Ion Ratio Lower Upper
240 100
120 5.5 4.8 7.2
236 24.7 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: 2.756 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.37 min

Lab File: BG043240.D

Acq: 16 Oct 2019 6:51

Instrument :

BNA_G

ClientSampleId :

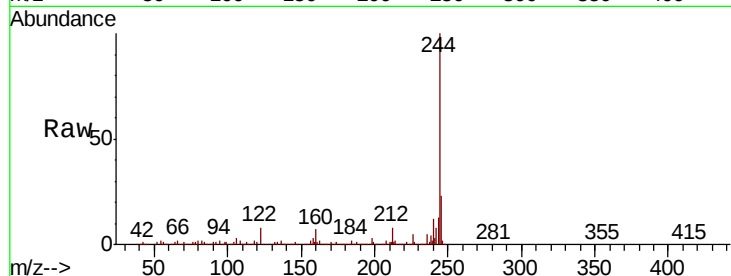
Tot Ion:184 Resp: 23802

Ion Ratio Lower Upper

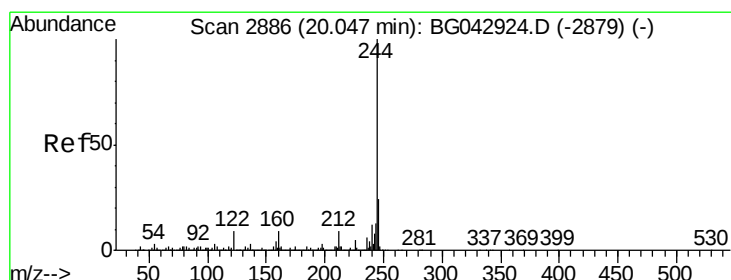
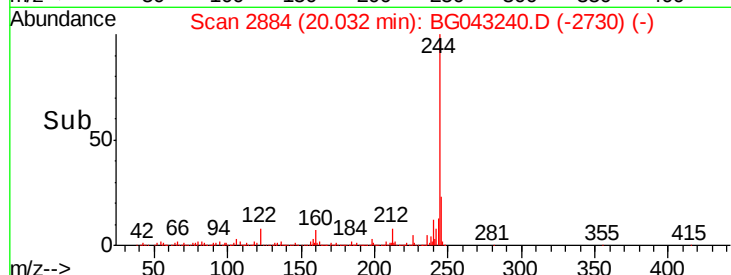
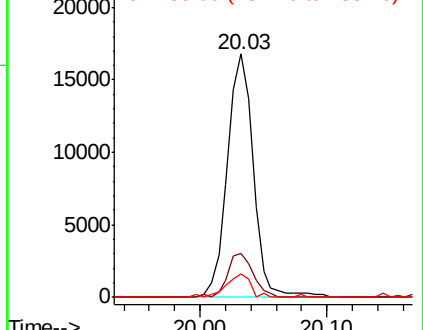
184 100

185 17.9 11.8 17.8#

183 9.6 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: 99.554 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.00 min

Lab File: BG043240.D

Acq: 16 Oct 2019 6:51

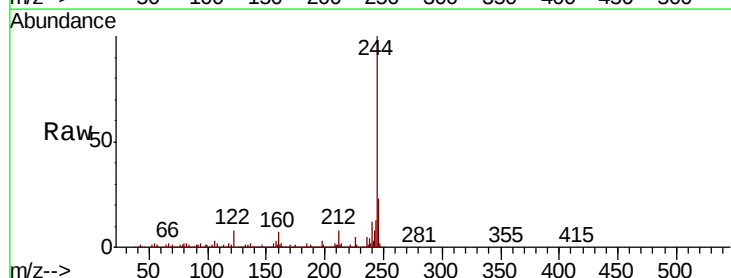
Tgt Ion:244 Resp: 1611174

Ion Ratio Lower Upper

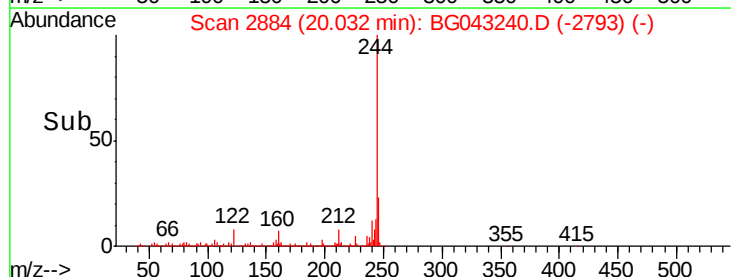
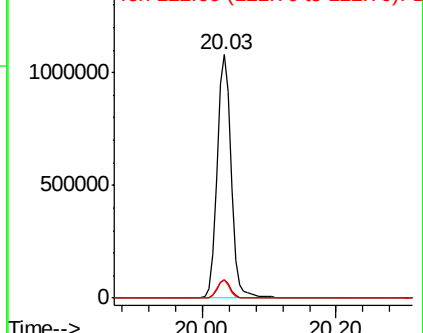
244 100

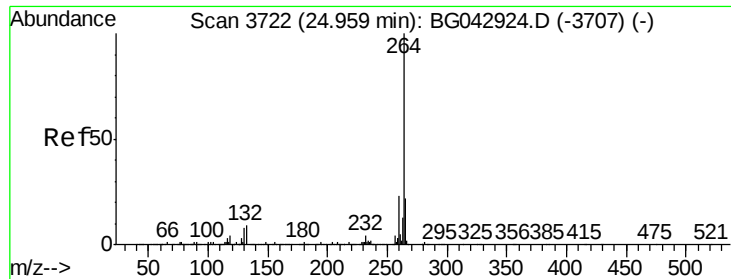
212 7.5 7.4 11.0

122 7.5 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

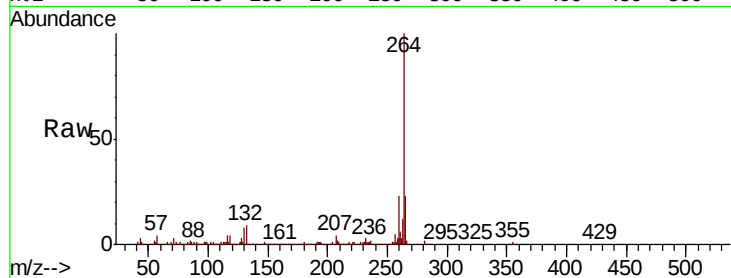




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3716
 Delta R.T. 0.01 min
 Lab File: BG043240.D
 Acq: 16 Oct 2019 6:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	22.7	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

