

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
 Data File : BG044803.D
 Acq On : 14 Mar 2020 20:21
 Operator : CG/JU
 Sample : PB127536TB
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB127536TB

Quant Time: Mar 16 01:38:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	102868	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	400256	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	268676	20.00	ng	-0.01
64) Phenanthrene-d10	17.43	188	568214	20.00	ng	0.00
76) Chrysene-d12	21.70	240	508858	20.00	ng	-0.02
87) Perylene-d12	24.91	264	564177	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	634569	96.03	ng	0.00
7) Phenol-d6	7.21	99	888749	92.57	ng	0.00
23) Nitrobenzene-d5	9.20	82	603015	66.11	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	345480	98.21	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1266476	67.50	ng	0.00
79) Terphenyl-d14	20.04	244	1882416	69.20	ng	-0.01

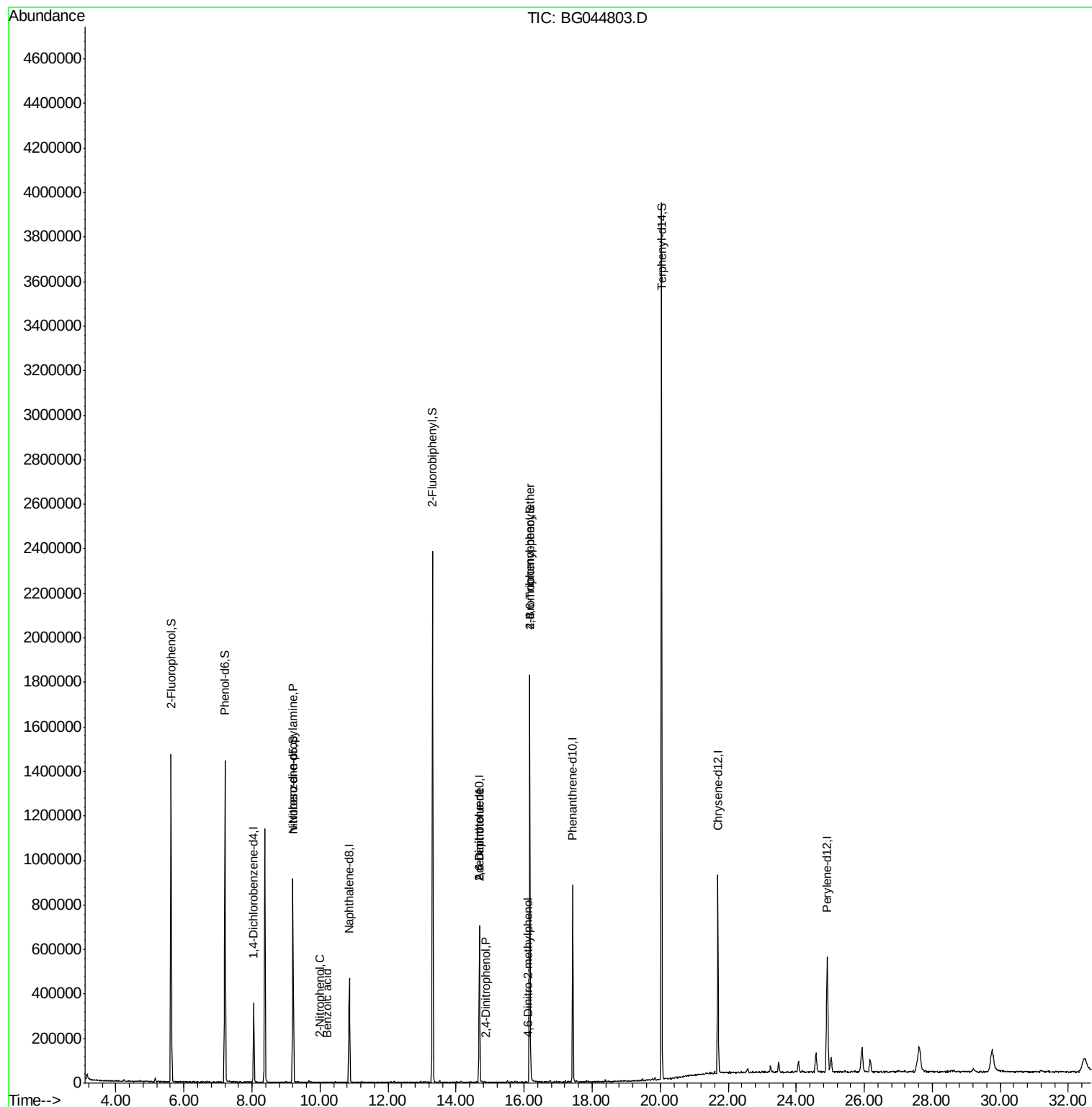
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	1506	Below Cal	#	20
19) n-Nitroso-di-n-propylamine	9.20	70	82190	12.12	ng	70
26) 2-Nitrophenol	9.99	139	59	5.53	ng	28
32) Benzoic acid	10.22	122	63	9.68	ng	1
51) 2,6-Dinitrotoluene	14.68	165	35067	8.13	ng	20
54) 2,4-Dinitrophenol	14.86	184	81	8.35	ng	2
57) 2,4-Dinitrotoluene	14.68	165	35067	5.93	ng	17
65) 4,6-Dinitro-2-methylphenol	16.10	198	65	7.75	ng	35
67) 4-Bromophenyl-phenylether	16.17	248	24468	3.44	ng	1

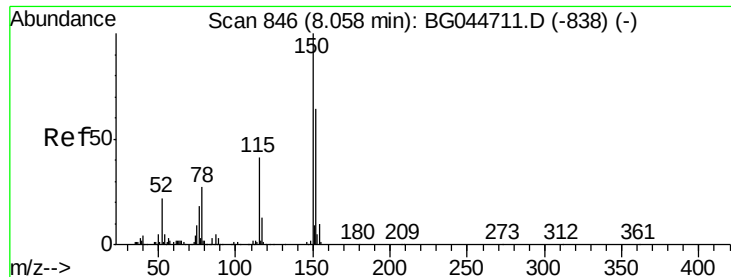
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 16 01:38:31 2020
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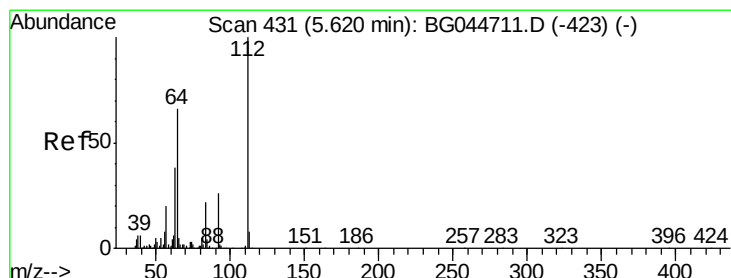
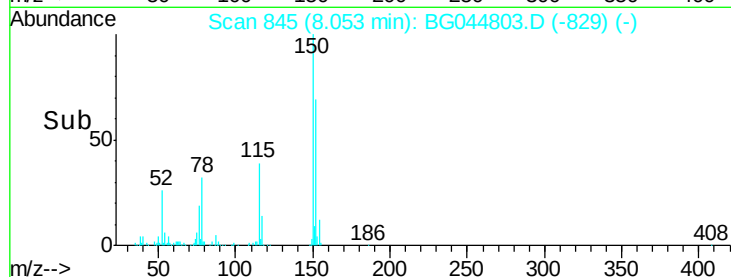
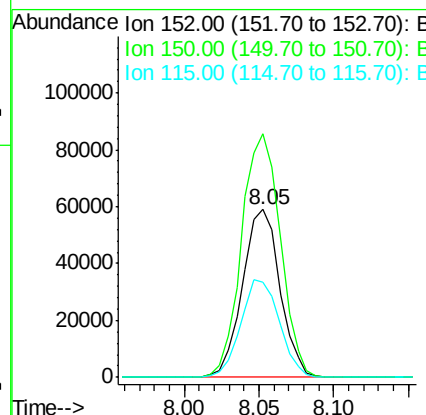
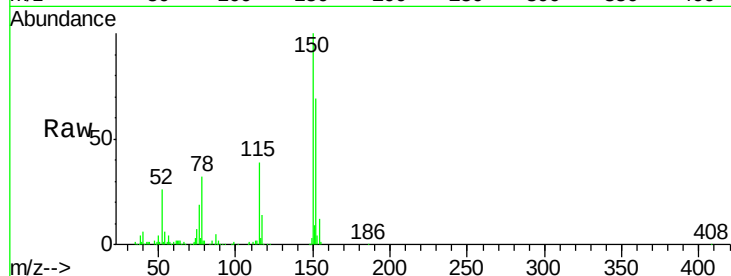


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.05 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BG044803.D
 Acq: 14 Mar 2020 20:21

Instrument :
 BNA_G
 ClientSampled :
 PB127536TB

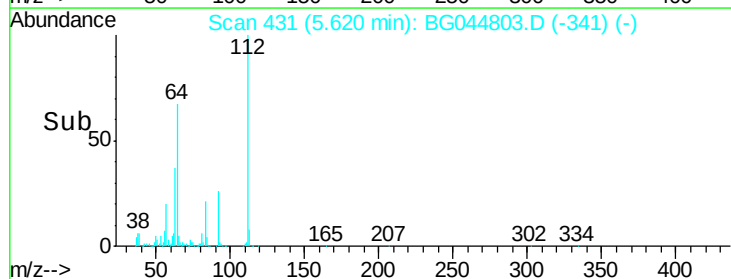
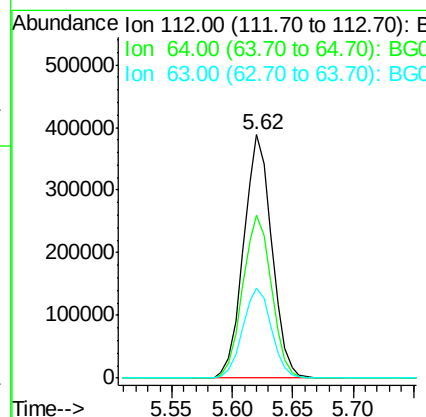
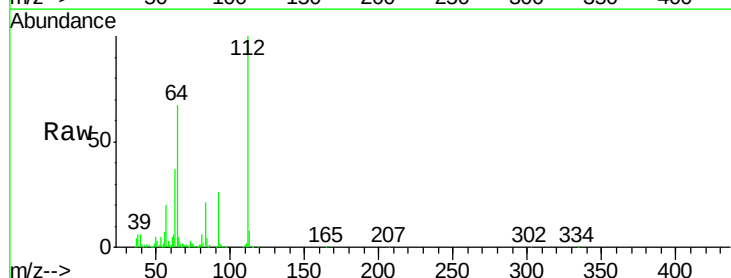
Tgt Ion	Ratio	Lower	Upper
152	100		
150	145.1	125.3	187.9
115	57.0	51.7	77.5

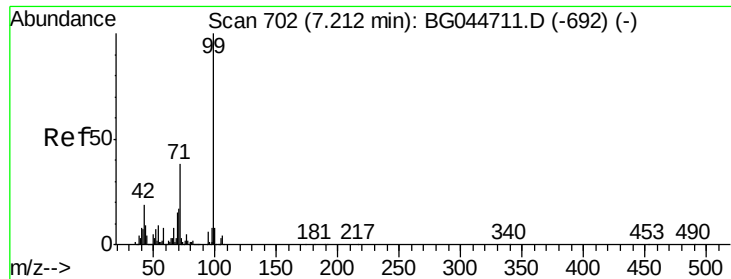


#5

2-Fluorophenol
 Concen: 96.03 ng
 RT: 5.62 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: BG044803.D
 Acq: 14 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	52.6	78.8
63	36.9	30.2	45.4





#7

Phenol-d6

Concen: 92.57 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

Instrument :

BNA_G

ClientSampleId :

PB127536TB

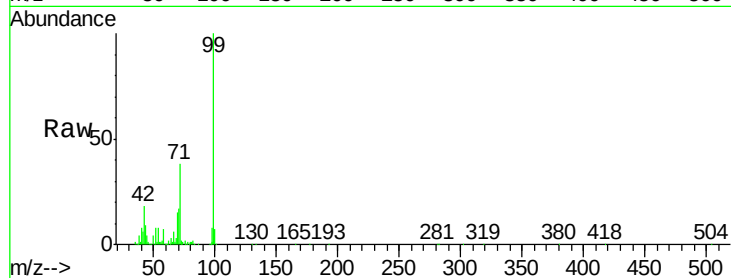
Tgt Ion: 99 Resp: 888749

Ion Ratio Lower Upper

99 100

42 17.7 15.4 23.0

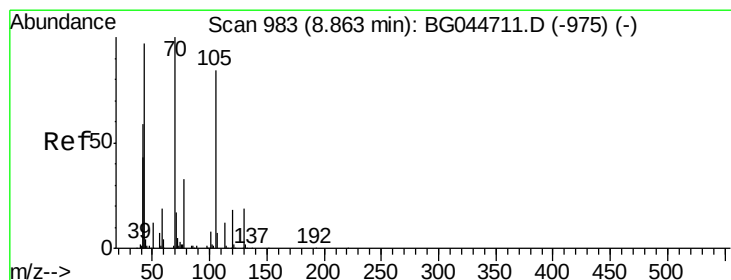
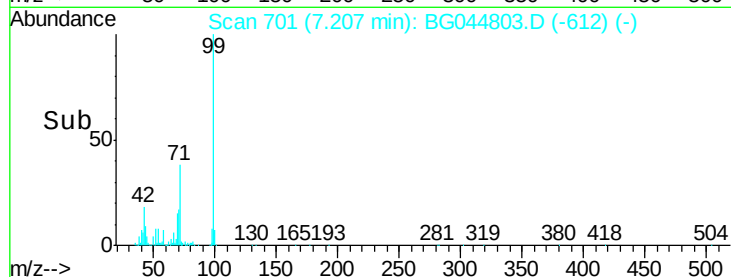
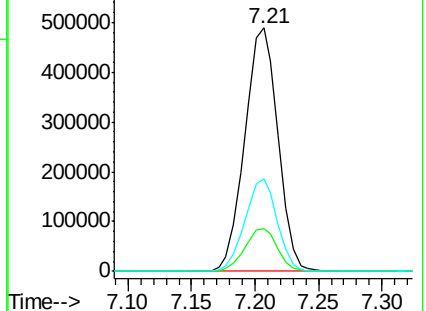
71 38.1 30.2 45.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.12 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

Tgt Ion: 70 Resp: 82190

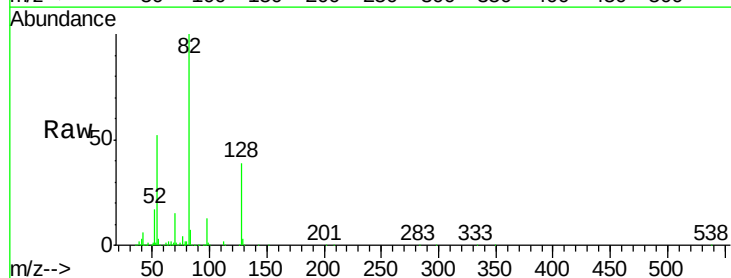
Ion Ratio Lower Upper

70 100

42 37.9 47.6 71.4#

101 0.0 6.5 9.7#

130 1.5 15.0 22.4#

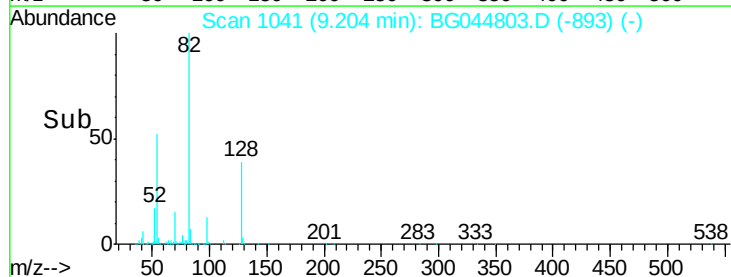
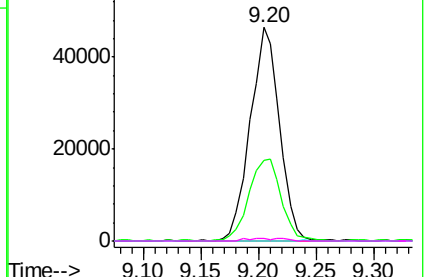


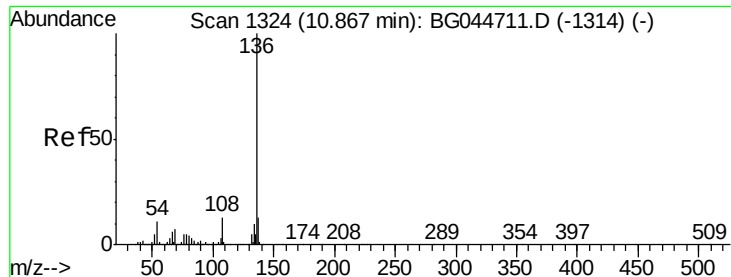
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

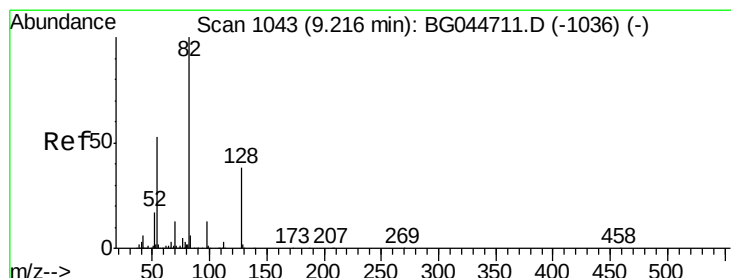
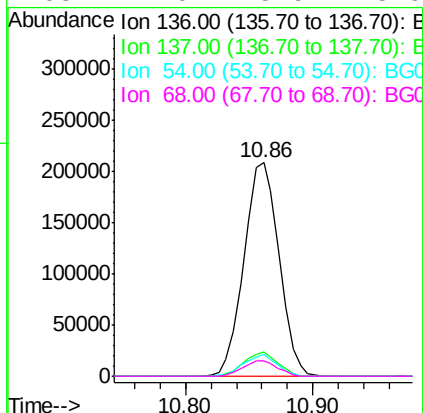
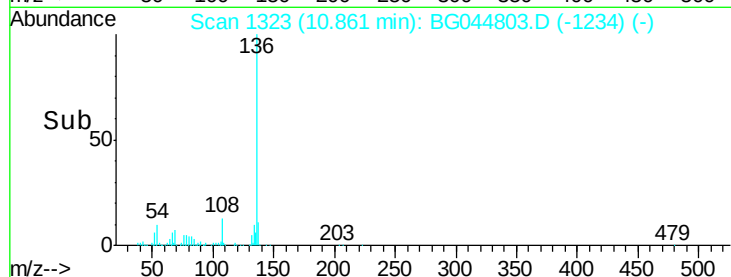
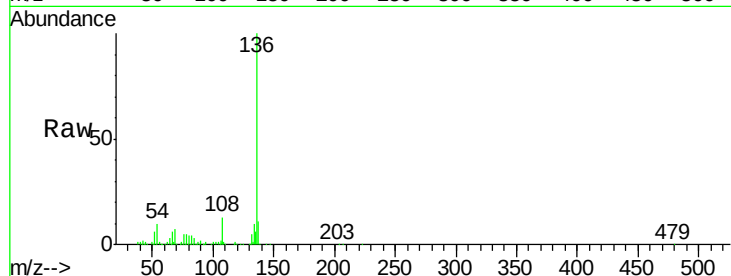




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044803.D
Acq: 14 Mar 2020 20:21

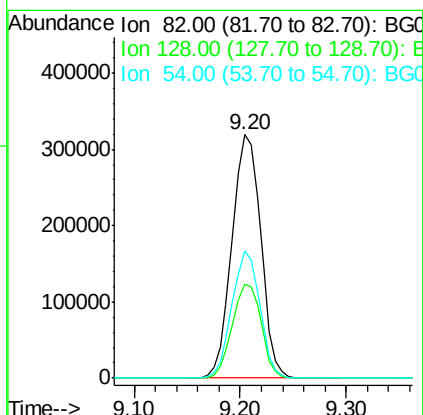
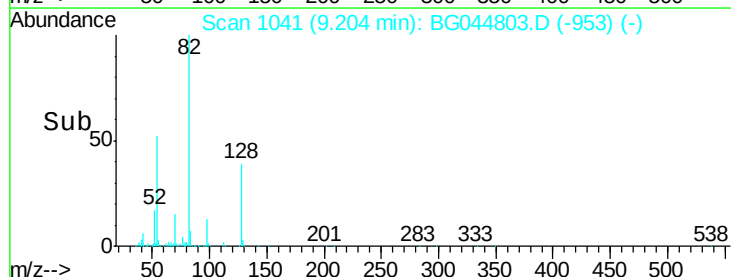
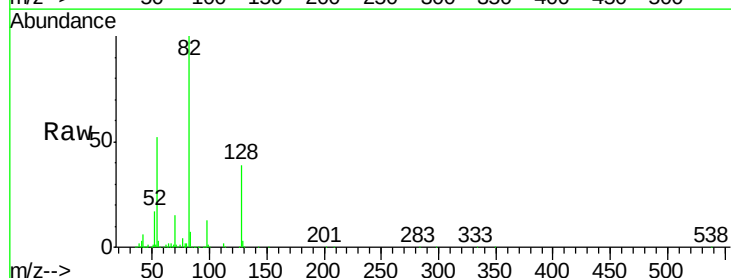
Instrument :
BNA_G
ClientSampleId :
PB127536TB

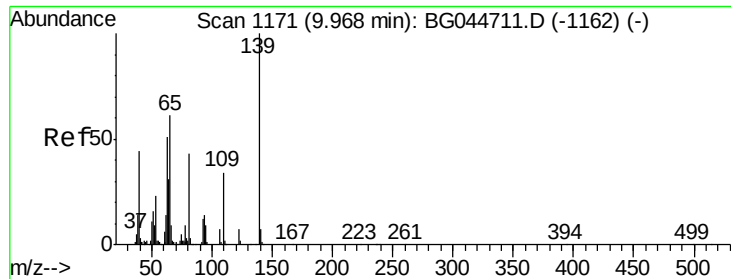
Tgt Ion:	136	Resp:	400256
Ion	Ratio	Lower	Upper
136	100		
137	11.3	10.7	16.1
54	10.3	9.0	13.4
68	7.0	5.9	8.9



#23
Nitrobenzene-d5
Concen: 66.11 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG044803.D
Acq: 14 Mar 2020 20:21

Tgt Ion:	82	Resp:	603015
Ion	Ratio	Lower	Upper
82	100		
128	38.6	30.2	45.2
54	52.0	41.8	62.8

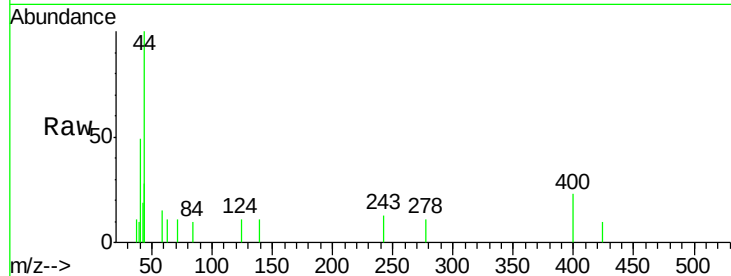




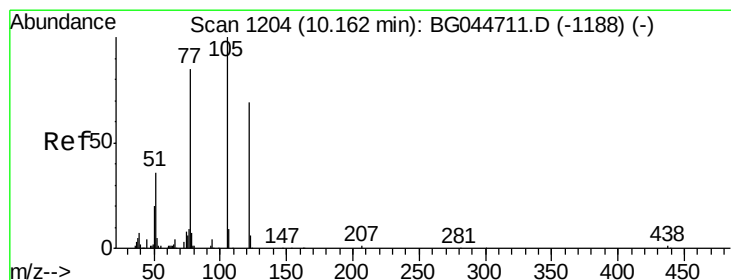
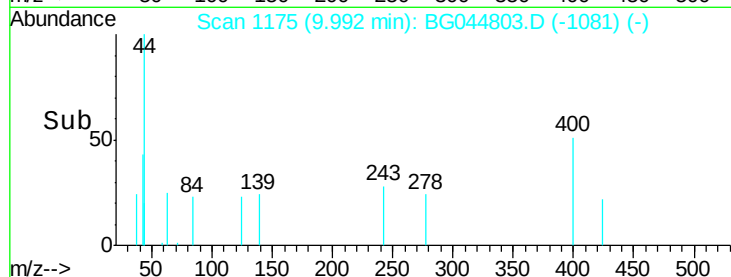
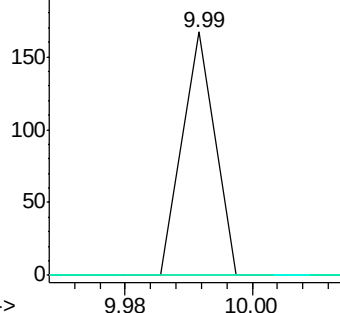
#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.99 min Scan# 1175
Delta R.T. 0.02 min
Lab File: BG044803.D
Acq: 14 Mar 2020 20:21

Instrument :
BNA_G
ClientSampleId :
PB127536TB

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#

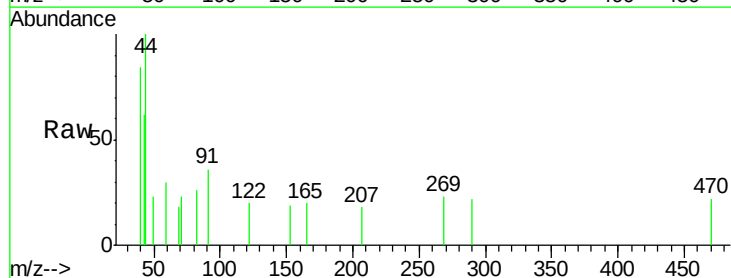


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

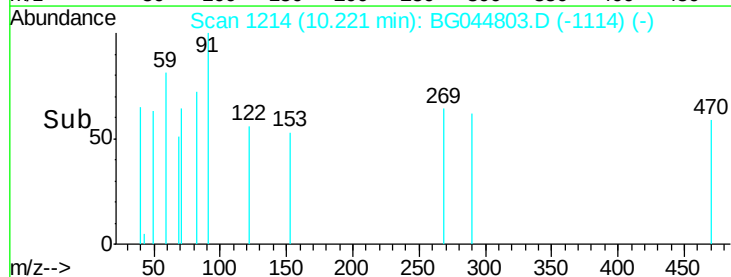
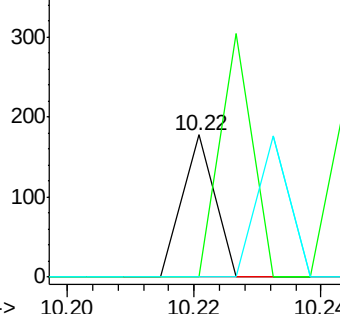


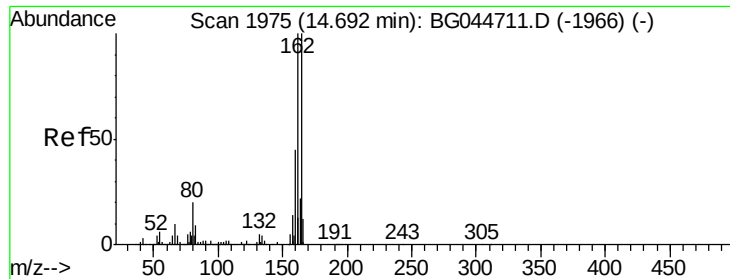
#32
Benzoic acid
Concen: 9.68 ng
RT: 10.22 min Scan# 1214
Delta R.T. 0.06 min
Lab File: BG044803.D
Acq: 14 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	119.0	159.0#
77	0.0	96.4	136.4#



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: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

Instrument :

BNA_G

ClientSampleId :

PB127536TB

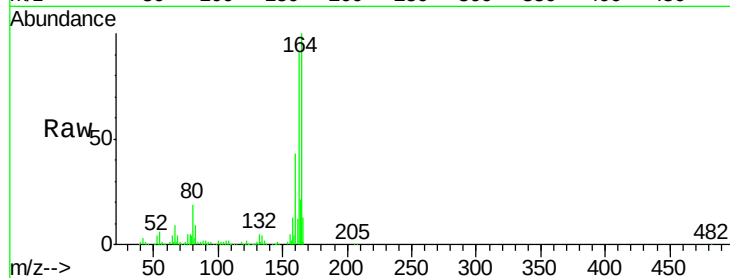
Tgt Ion:164 Resp: 268676

Ion Ratio Lower Upper

164 100

162 90.8 80.2 120.4

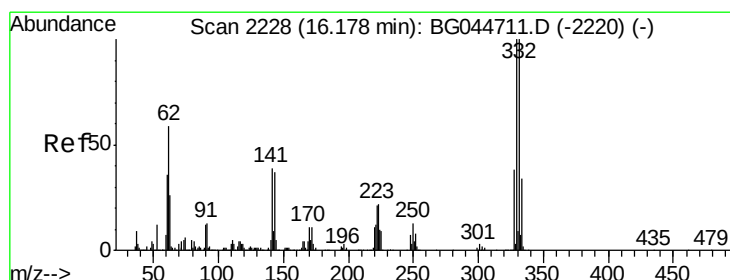
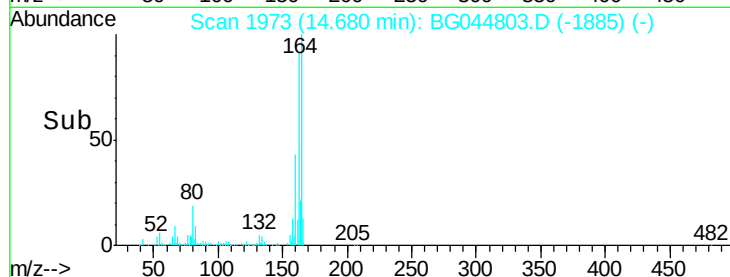
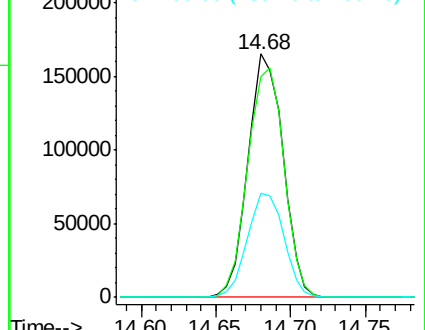
160 42.8 36.2 54.2



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: 98.21 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

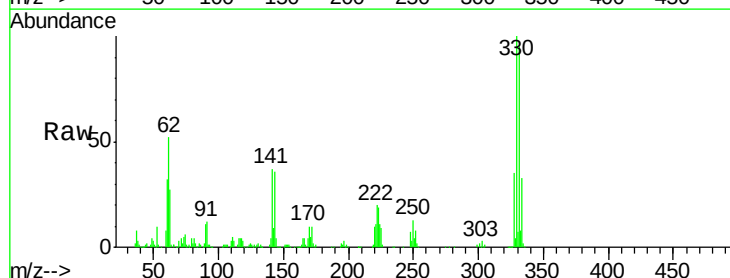
Tgt Ion:330 Resp: 345480

Ion Ratio Lower Upper

330 100

332 95.7 77.5 116.3

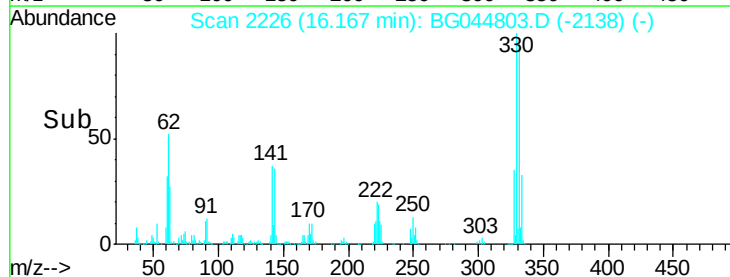
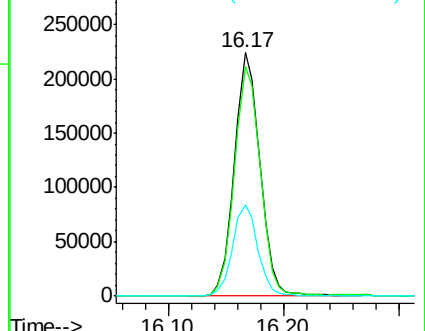
141 37.2 31.7 47.5

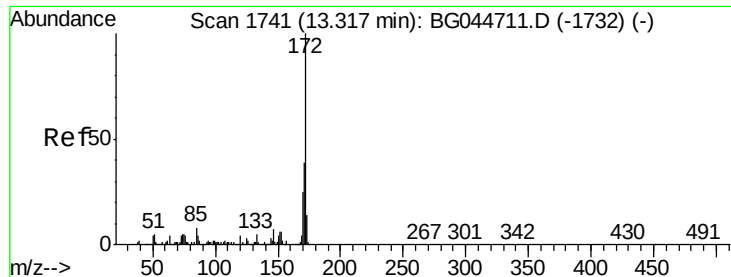


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 67.50 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

Instrument :

BNA_G

ClientSampleId :

PB127536TB

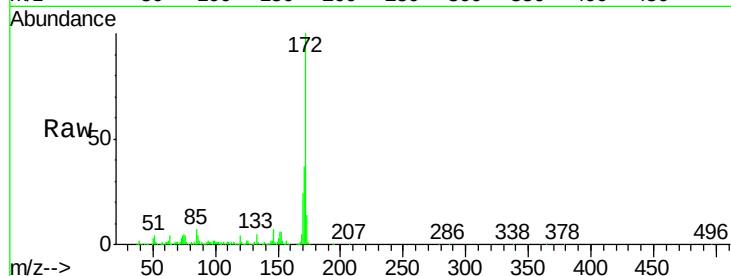
Tgt Ion:172 Resp: 1266476

Ion Ratio Lower Upper

172 100

171 37.3 30.8 46.2

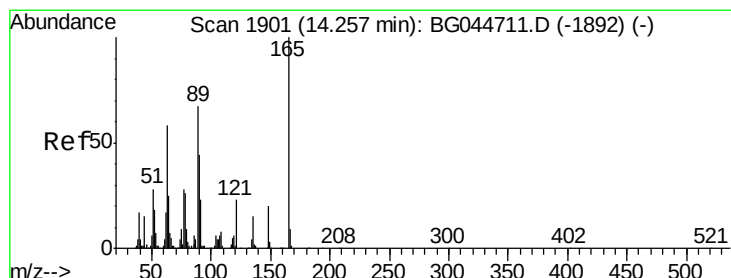
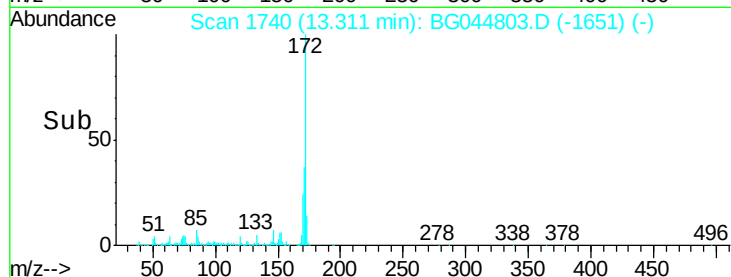
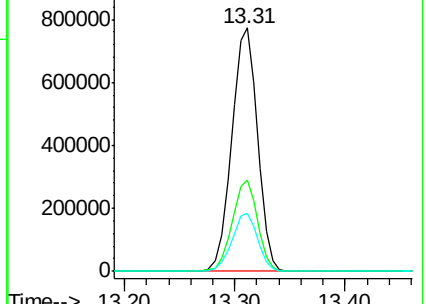
170 23.8 20.0 30.0



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



#51

2,6-Dinitrotoluene

Concen: 8.13 ng

RT: 14.68 min Scan# 1973

Delta R.T. 0.42 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

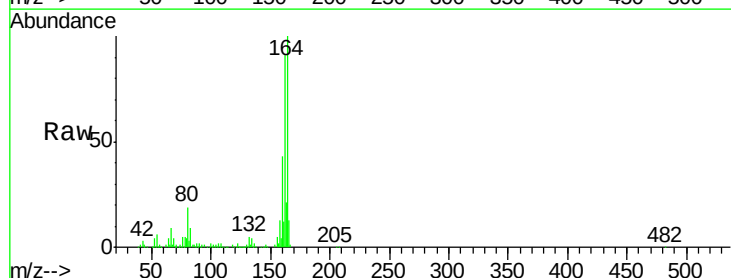
Tgt Ion:165 Resp: 35067

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

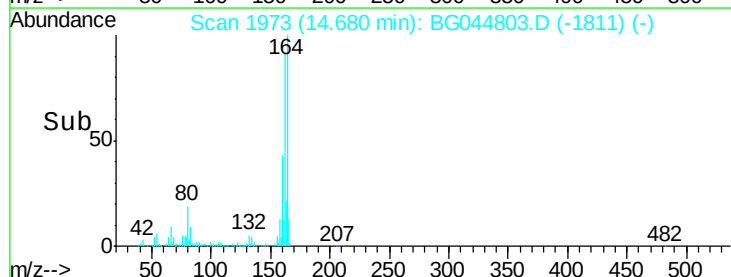
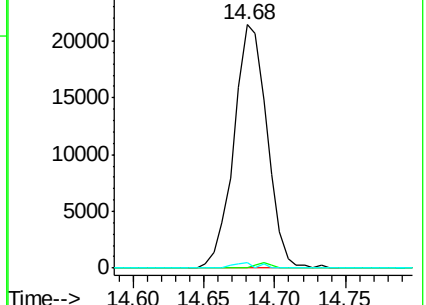
89 2.3 53.8 80.8#

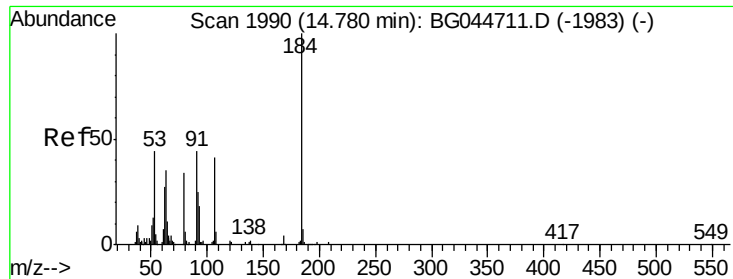


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

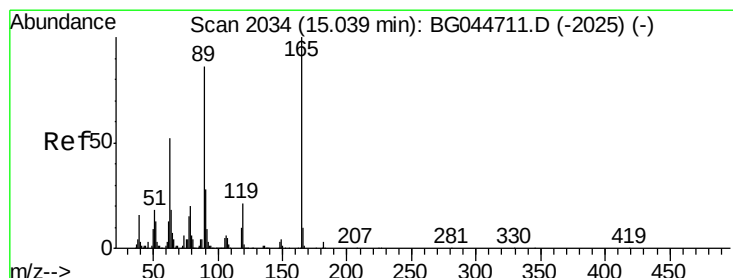
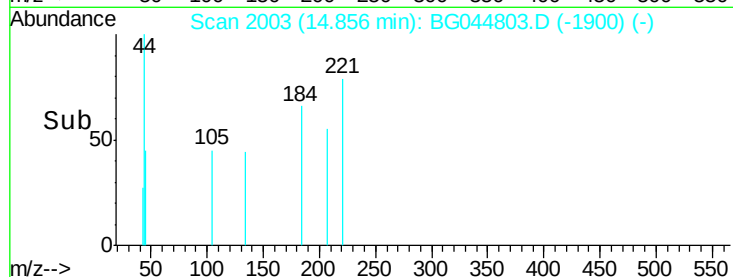
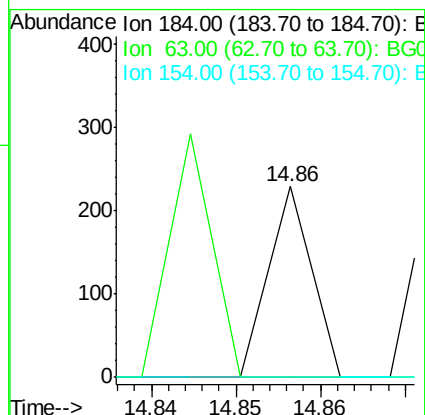
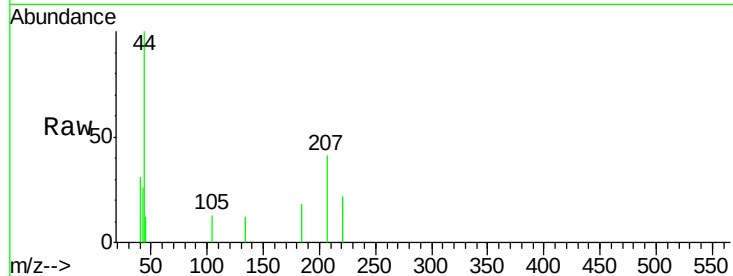




#54
2,4-Dinitrophenol
Concen: 8.35 ng
RT: 14.86 min Scan# 2003
Delta R.T. 0.08 min
Lab File: BG044803.D
Acq: 14 Mar 2020 20:21

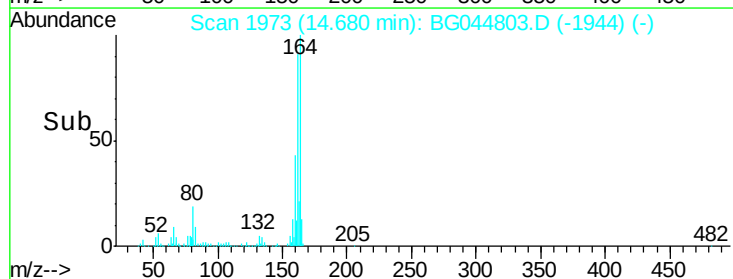
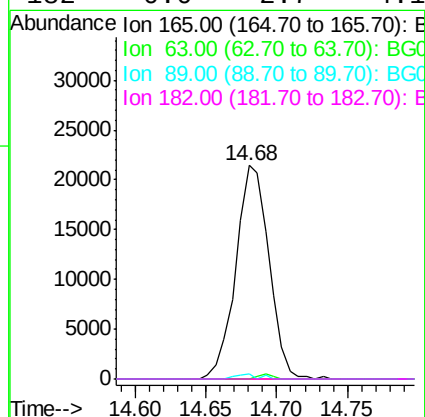
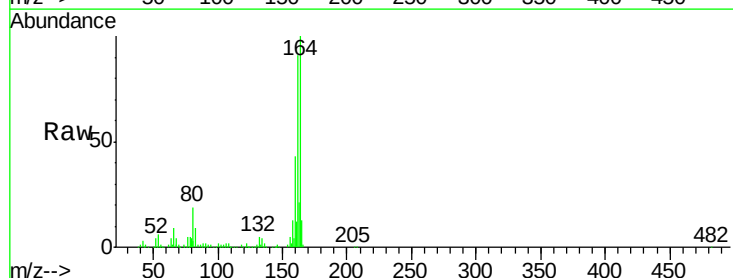
Instrument :
BNA_G
ClientSampleId :
PB127536TB

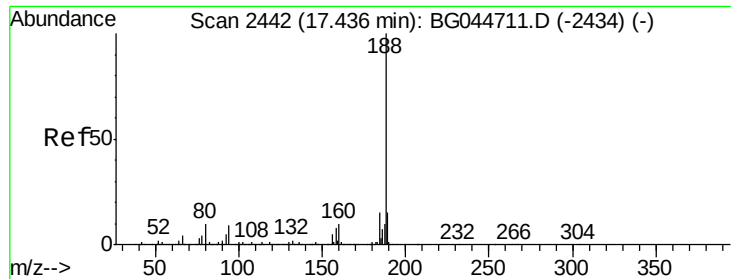
Tgt Ion:184 Resp: 81
Ion Ratio Lower Upper
184 100
63 0.0 49.0 73.6#
154 0.0 94.5 141.7#



#57
2,4-Dinitrotoluene
Concen: 5.93 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.36 min
Lab File: BG044803.D
Acq: 14 Mar 2020 20:21

Tgt Ion:165 Resp: 35067
Ion Ratio Lower Upper
165 100
63 0.0 41.5 62.3#
89 2.3 69.0 103.4#
182 0.0 2.7 4.1#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

Instrument :

BNA_G

ClientSampleId :

PB127536TB

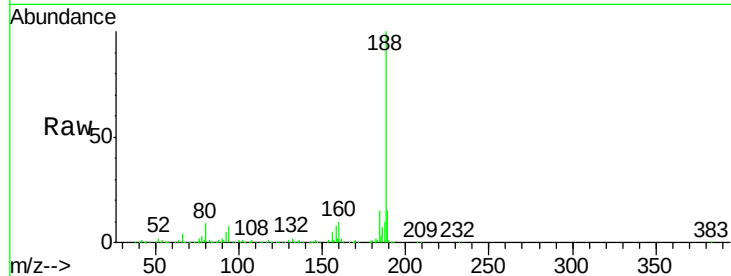
Tgt Ion:188 Resp: 568214

Ion Ratio Lower Upper

188 100

94 7.8 7.0 10.6

80 9.0 8.4 12.6

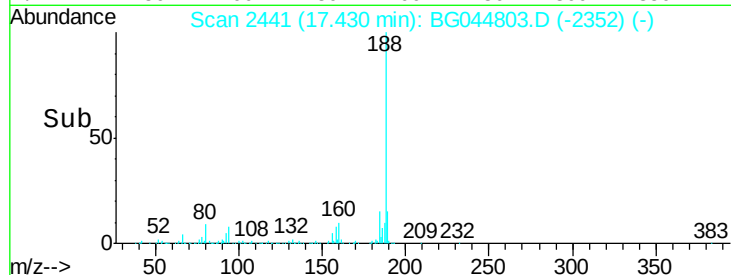


Abundance Ion 188.00 (187.70 to 188.70): E

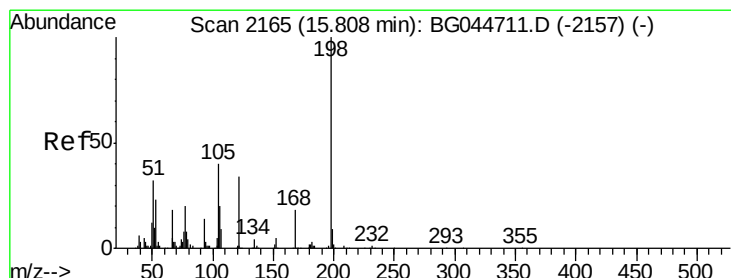
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 7.75 ng

RT: 16.10 min Scan# 2215

Delta R.T. 0.29 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

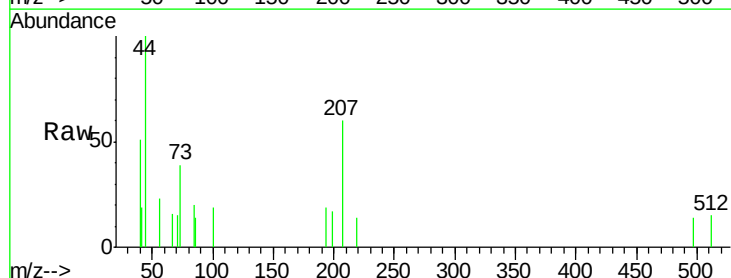
Tgt Ion:198 Resp: 65

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

105 0.0 21.3 61.3#

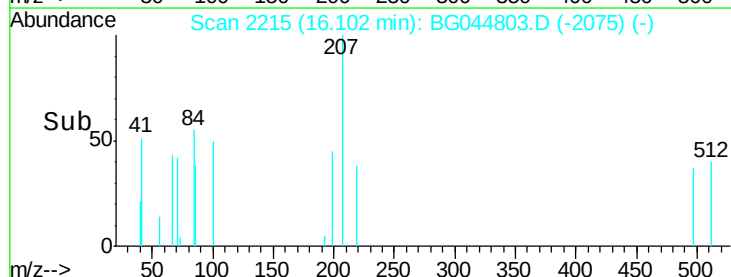


Abundance Ion 198.00 (197.70 to 198.70): E

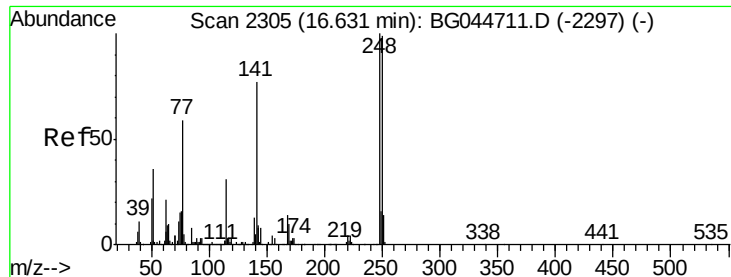
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

Time-->



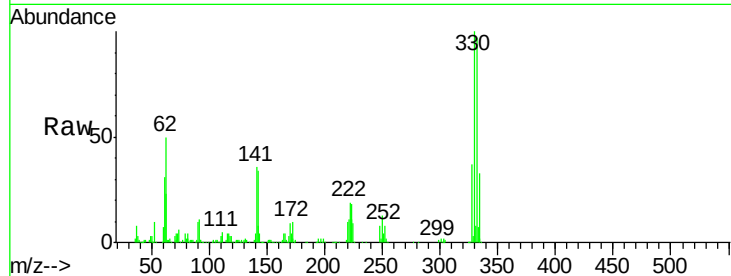
Time-->



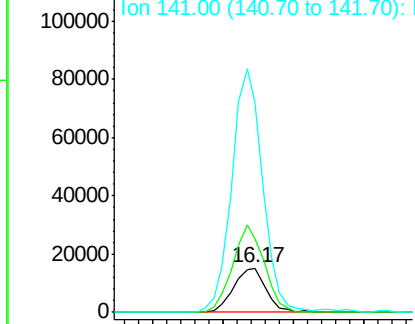
#67
 4-Bromophenyl-phenylether
 Concen: 3.44 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.46 min
 Lab File: BG044803.D
 Acq: 14 Mar 2020 20:21

Instrument :
 BNA_G
 ClientSampleId :
 PB127536TB

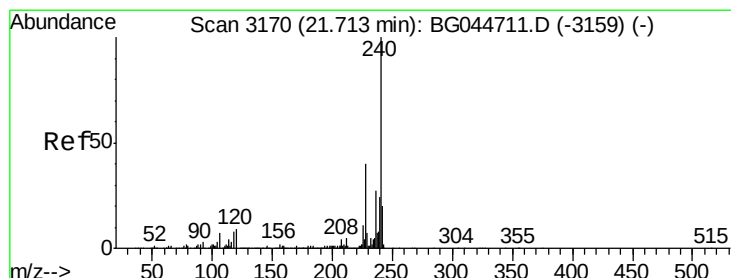
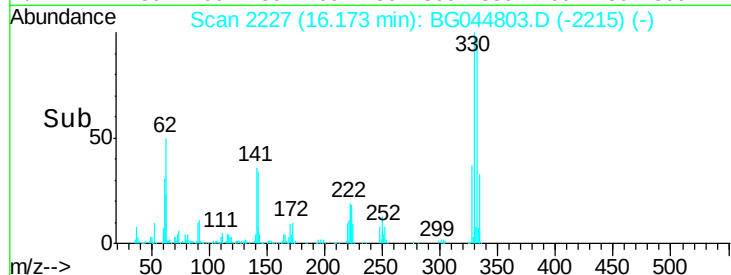
Tgt Ion:248 Resp: 24468
 Ion Ratio Lower Upper
 248 100
 250 164.4 79.4 119.0#
 141 471.3 61.7 92.5#



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

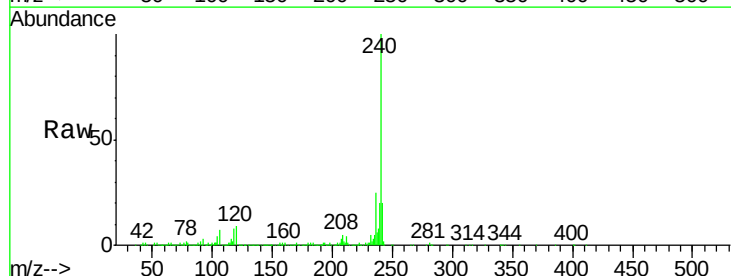


Time-->

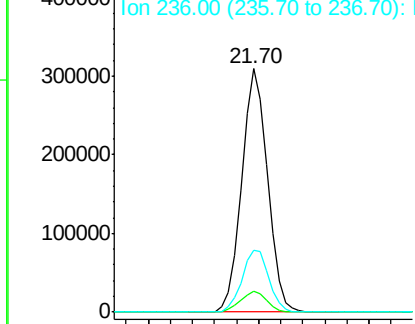


#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.02 min
 Lab File: BG044803.D
 Acq: 14 Mar 2020 20:21

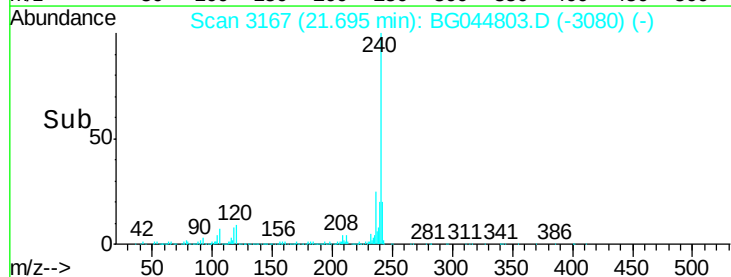
Tgt Ion:240 Resp: 508858
 Ion Ratio Lower Upper
 240 100
 120 8.5 6.9 10.3
 236 25.5 21.9 32.9

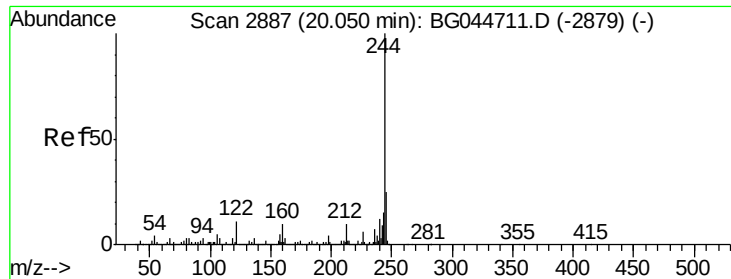


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time-->





#79

Terphenyl-d14

Concen: 69.20 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

Instrument :

BNA_G

ClientSampleId :

PB127536TB

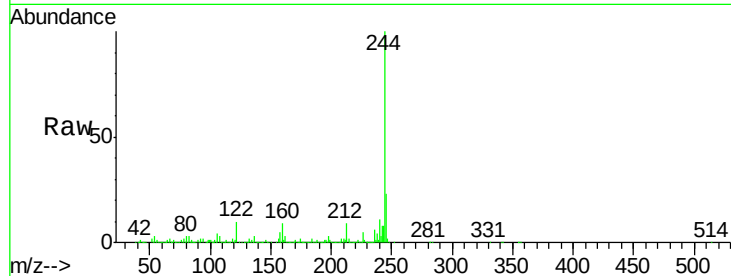
Tgt Ion:244 Resp: 1882416

Ion Ratio Lower Upper

244 100

212 8.7 8.4 12.6

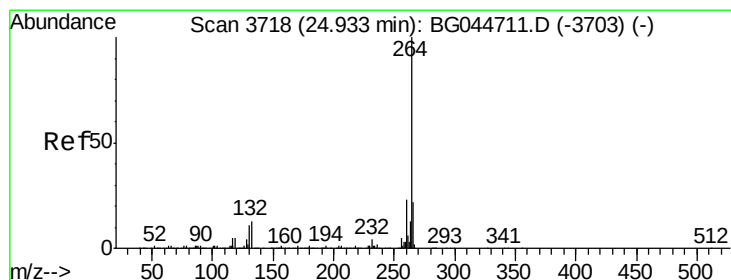
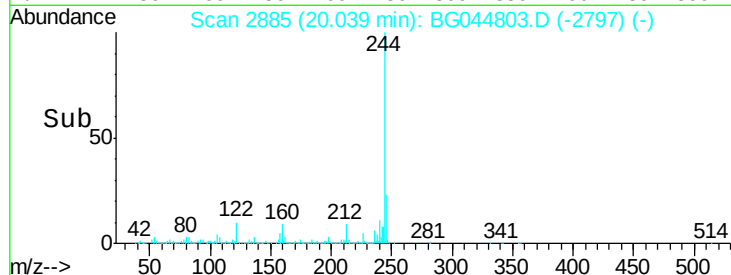
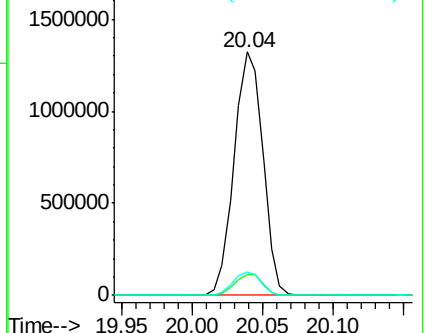
122 9.6 8.7 13.1



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: 24.91 min Scan# 3714

Delta R.T. -0.02 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

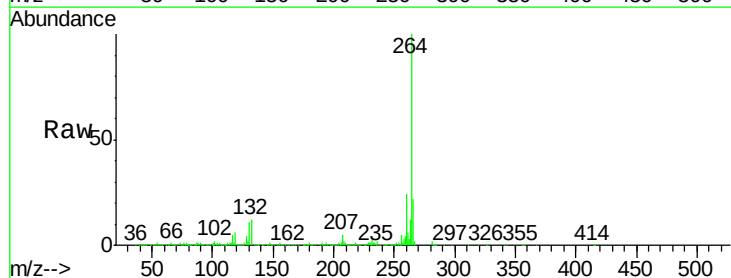
Tgt Ion:264 Resp: 564177

Ion Ratio Lower Upper

264 100

260 23.9 18.4 27.6

265 21.6 17.4 26.2



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

