

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031820\
 Data File : BG044884.D
 Acq On : 19 Mar 2020 4:25
 Operator : CG/JU
 Sample : L1920-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F-2

Quant Time: Mar 19 06:52:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	70983	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	282479	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	189496	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	450439	20.00	ng	0.00
76) Chrysene-d12	21.69	240	469442	20.00	ng	-0.01
87) Perylene-d12	24.89	264	508466	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	512031	112.29	ng	0.00
7) Phenol-d6	7.20	99	720755	108.79	ng	0.00
23) Nitrobenzene-d5	9.20	82	478182	74.28	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	315724	127.25	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1026341	77.56	ng	0.00
79) Terphenyl-d14	20.03	244	1805880	71.96	ng	0.00

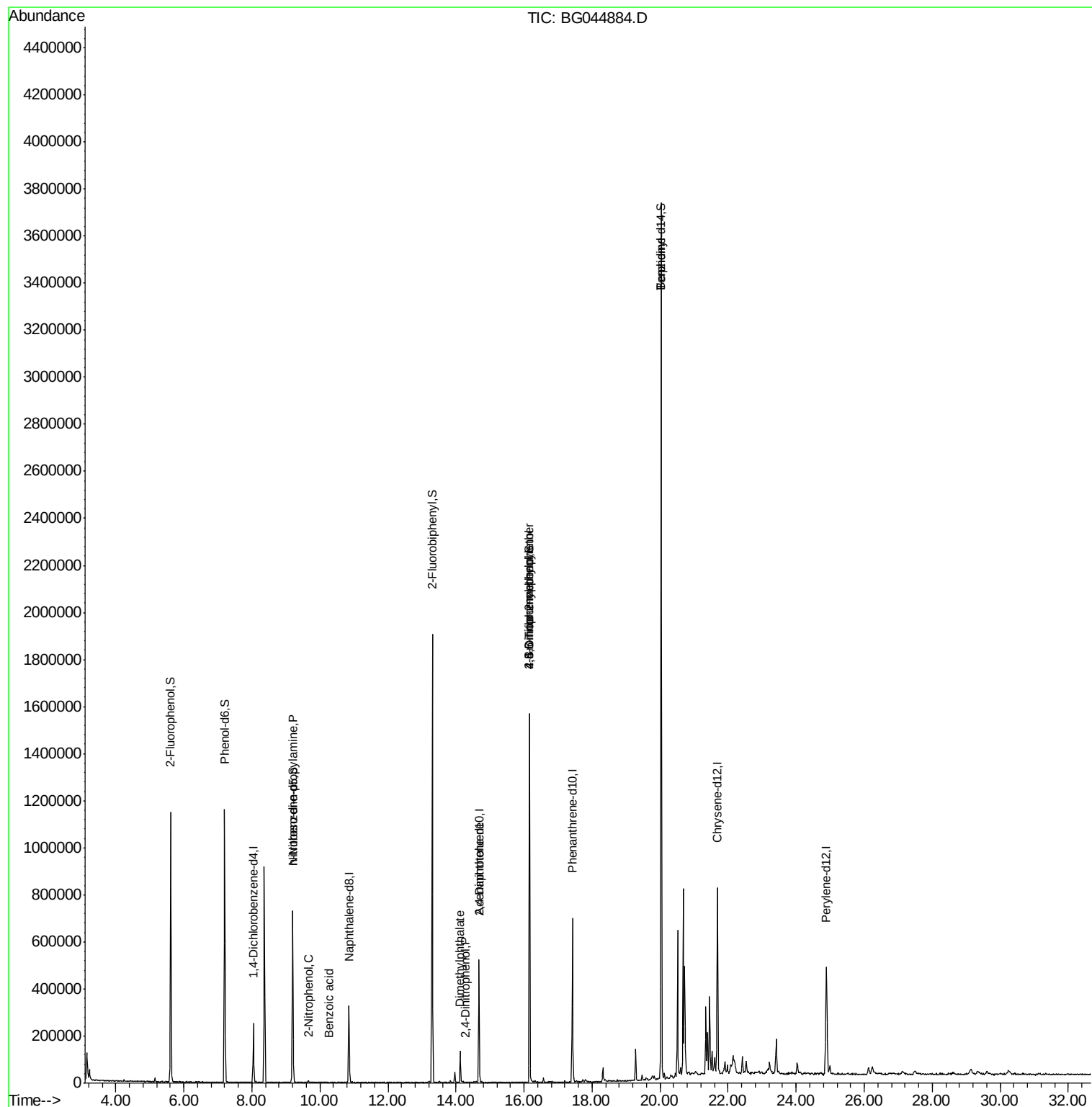
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1400	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	63650	13.61	ng	78
26) 2-Nitrophenol	9.68	139	60	5.54	ng	28
32) Benzoic acid	10.25	122	57	9.68	ng	1
50) Dimethylphthalate	14.12	163	89802	5.95	ng	96
54) 2,4-Dinitrophenol	14.29	184	56	8.35	ng	21
57) 2,4-Dinitrotoluene	14.67	165	25268	6.06	ng	22
65) 4,6-Dinitro-2-methylphenol	16.16	198	1069	8.15	ng	20
67) 4-Bromophenyl-phenylether	16.16	248	22365	3.97	ng	1
77) Benzidine	20.03	184	34410	2.26	ng	91

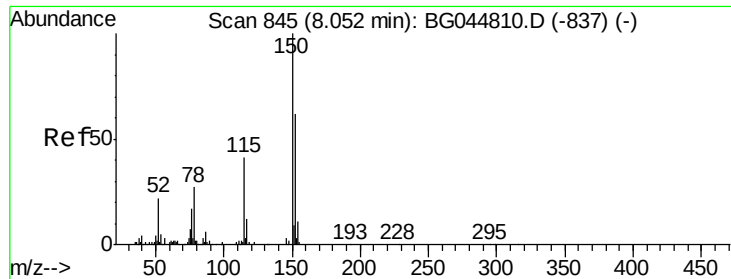
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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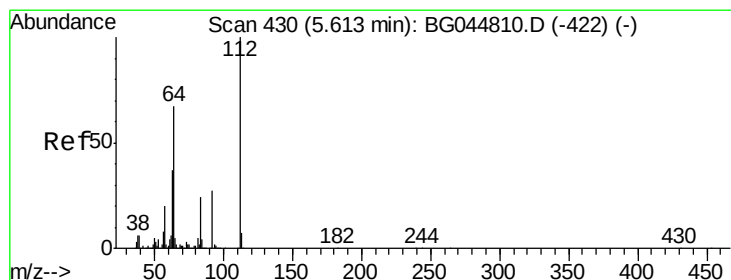
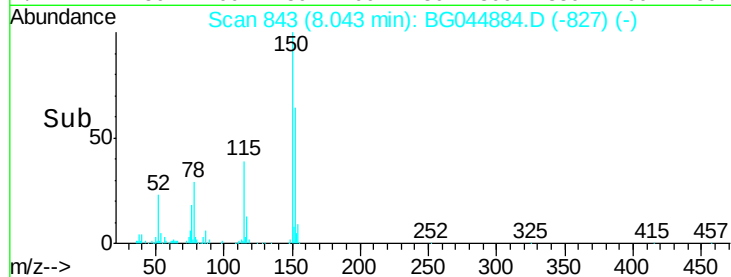
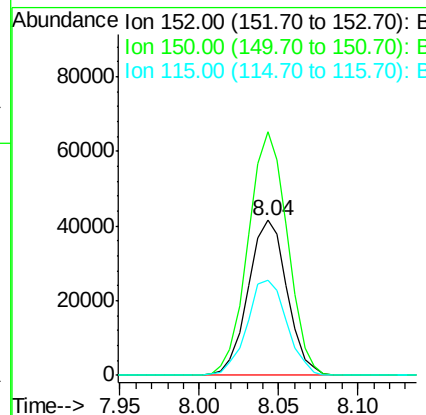
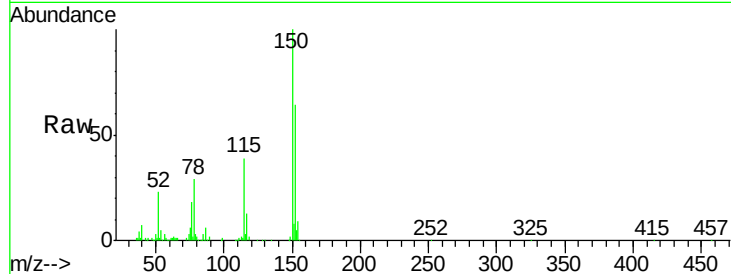


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044884.D
Acq: 19 Mar 2020 4:25

Instrument :
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ClientSampled :
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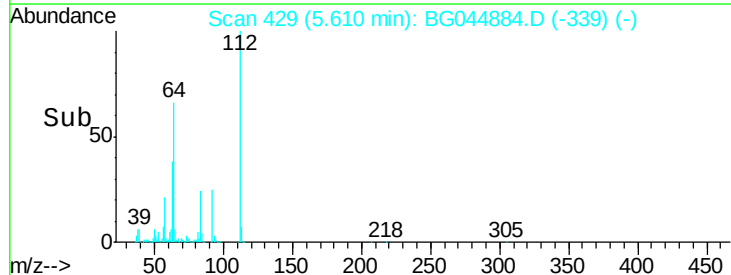
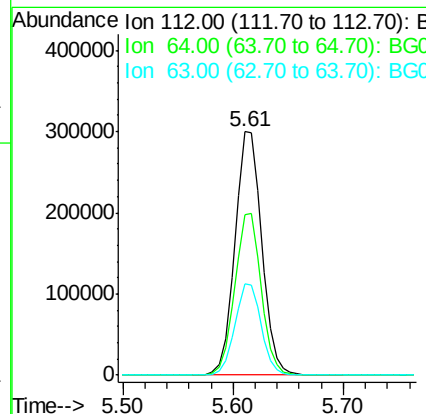
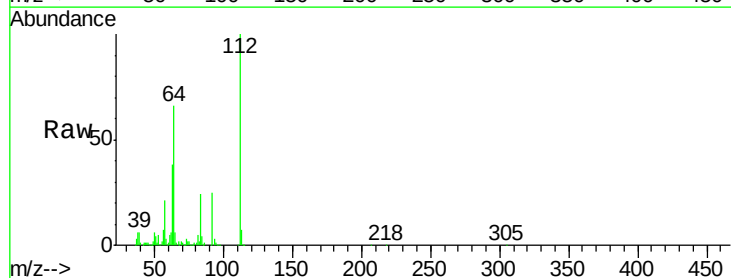
Tgt Ion:152 Resp: 70983
Ion Ratio Lower Upper
152 100
150 156.9 128.8 193.2
115 61.4 52.6 79.0

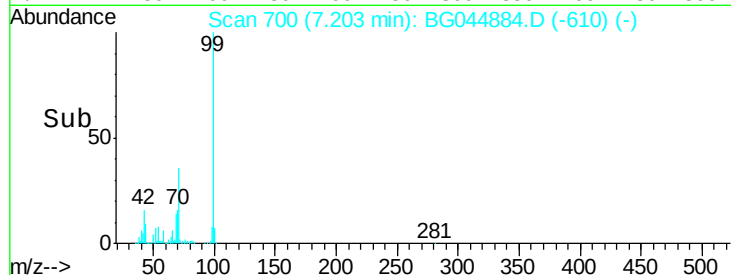
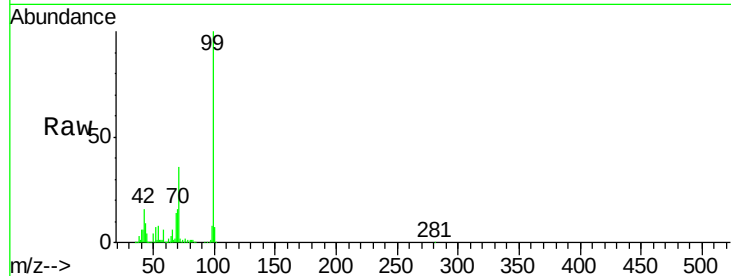
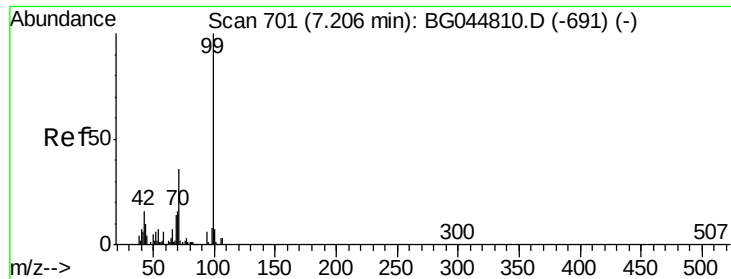


#5

2-Fluorophenol
Concen: 112.29 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG044884.D
Acq: 19 Mar 2020 4:25

Tgt Ion:112 Resp: 512031
Ion Ratio Lower Upper
112 100
64 65.9 53.4 80.2
63 37.7 29.4 44.2





#7

Phenol-d6

Concen: 108.79 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044884.D

Acq: 19 Mar 2020 4:25

Instrument :

BNA_G

ClientSampleId :

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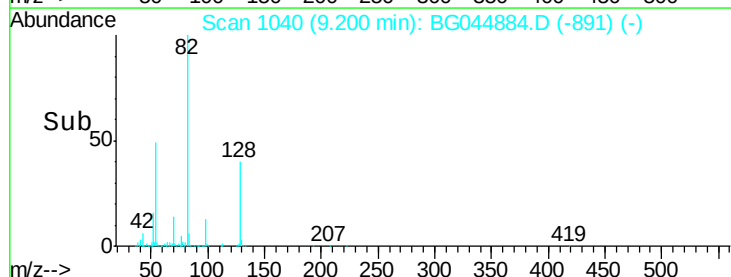
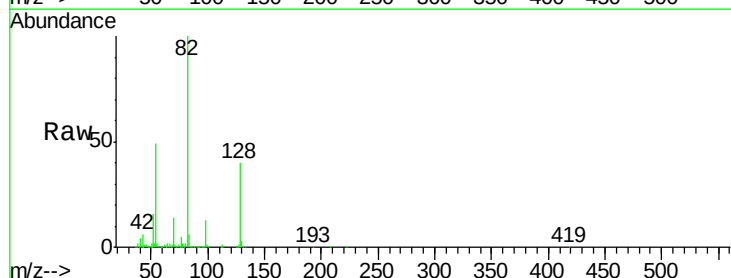
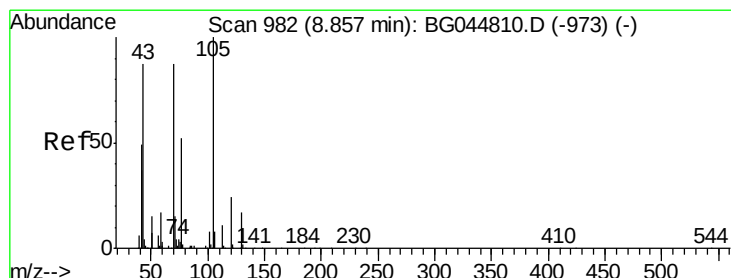
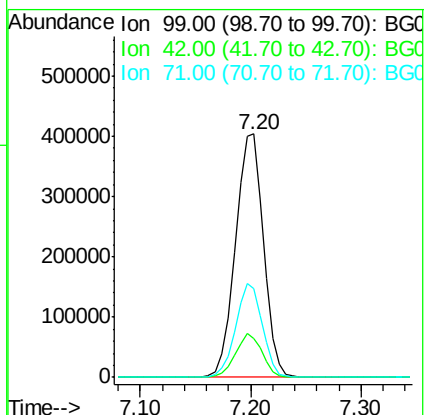
Tgt Ion: 99 Resp: 720755

Ion Ratio Lower Upper

99 100

42 15.7 12.6 19.0

71 36.3 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.61 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044884.D

Acq: 19 Mar 2020 4:25

Tgt Ion: 70 Resp: 63650

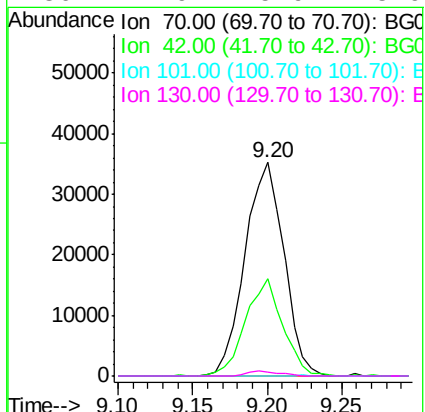
Ion Ratio Lower Upper

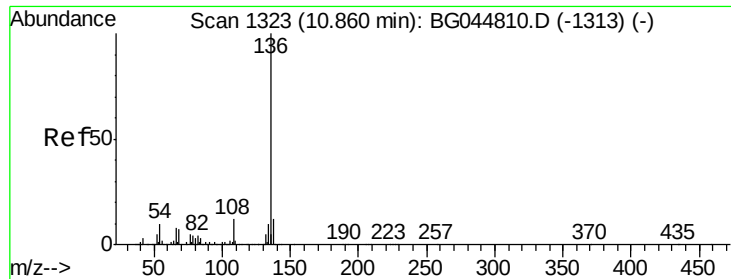
70 100

42 45.4 45.7 68.5#

101 0.0 7.4 11.2#

130 1.9 15.9 23.9#

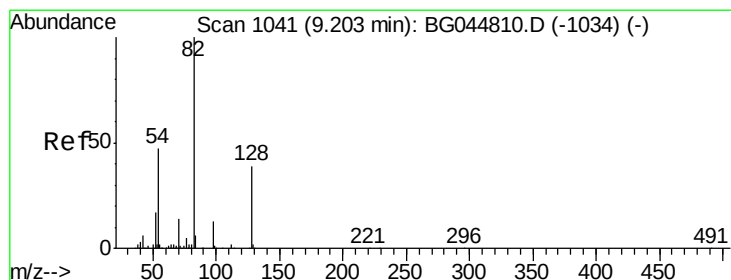
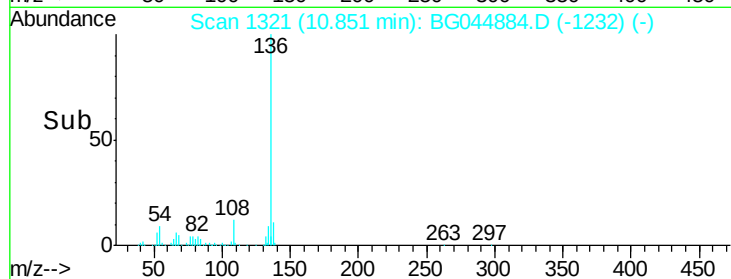
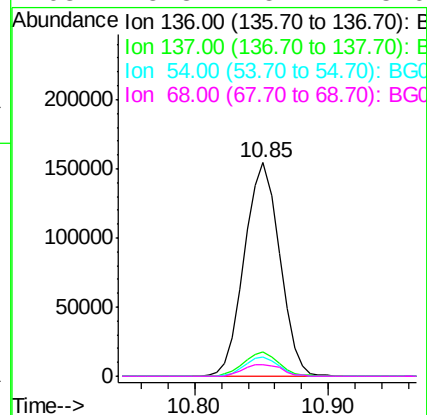
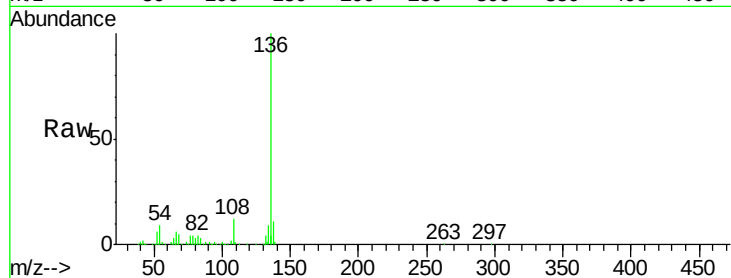




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044884.D
Acq: 19 Mar 2020 4:25

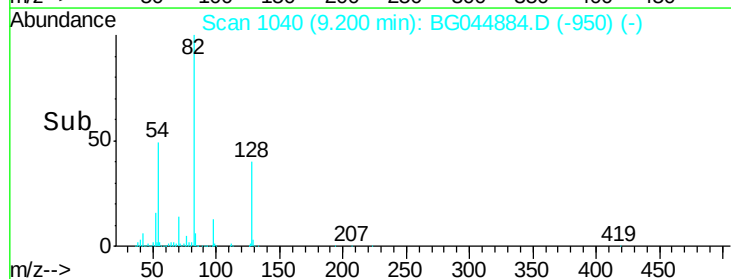
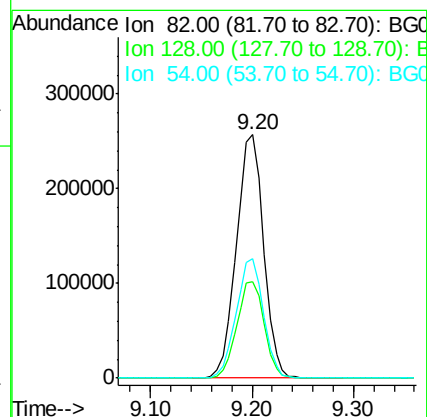
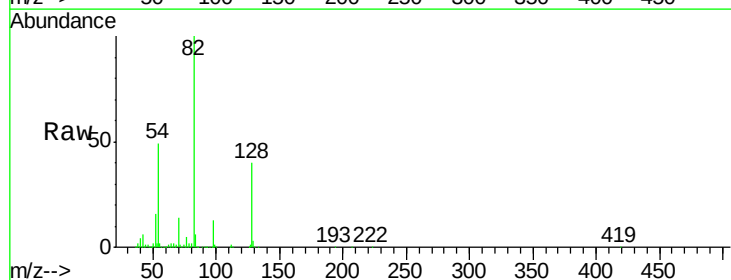
Instrument :
BNA_G
ClientSampleId :
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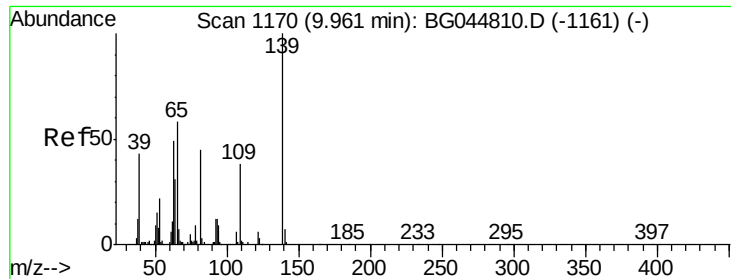
Tgt Ion:	136	Resp:	282479
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.8	14.6
54	8.9	7.9	11.9
68	5.3	5.4	8.0#



#23
Nitrobenzene-d5
Concen: 74.28 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044884.D
Acq: 19 Mar 2020 4:25

Tgt Ion:	82	Resp:	478182
Ion	Ratio	Lower	Upper
82	100		
128	39.7	30.6	46.0
54	49.1	37.1	55.7

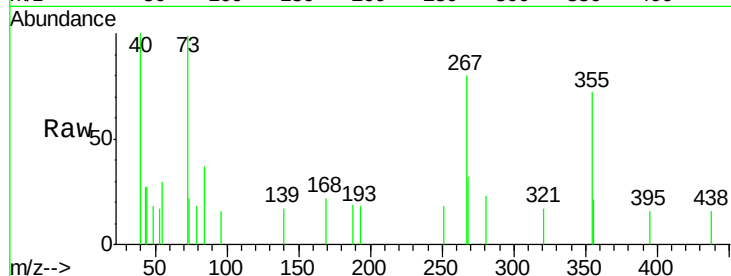




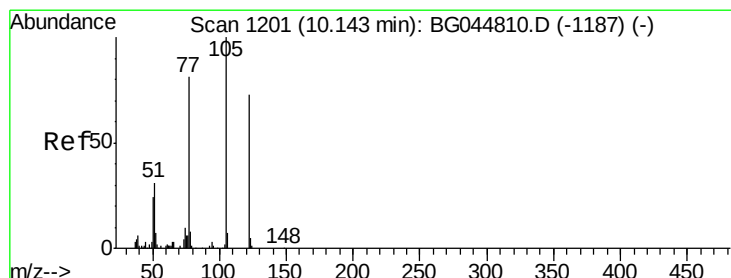
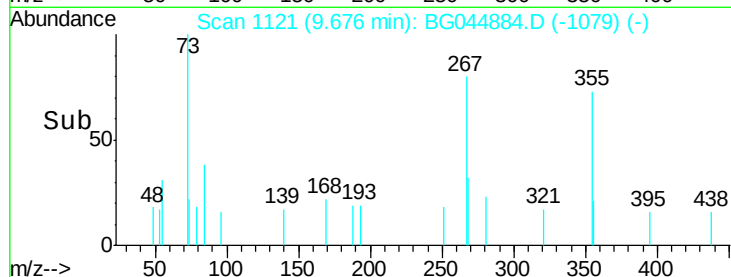
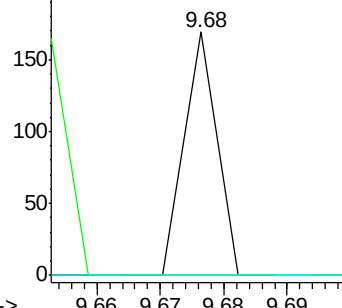
#26
2-Nitrophenol
Concen: 5.54 ng
RT: 9.68 min Scan# 1121
Delta R.T. -0.28 min
Lab File: BG044884.D
Acq: 19 Mar 2020 4:25

Instrument :
BNA_G
ClientSampled :
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Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#

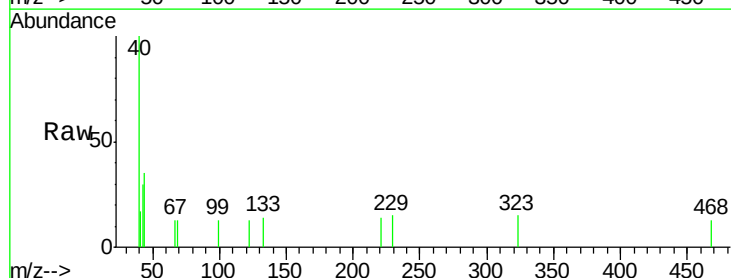


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

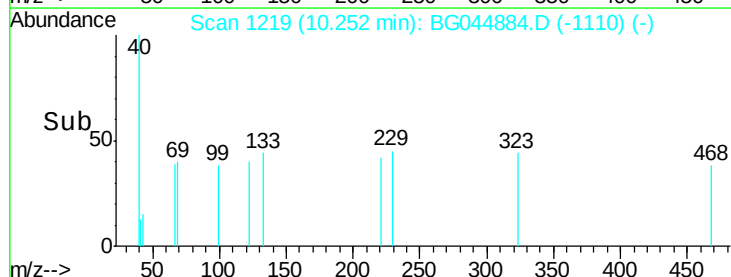
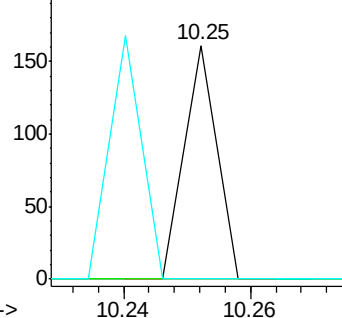


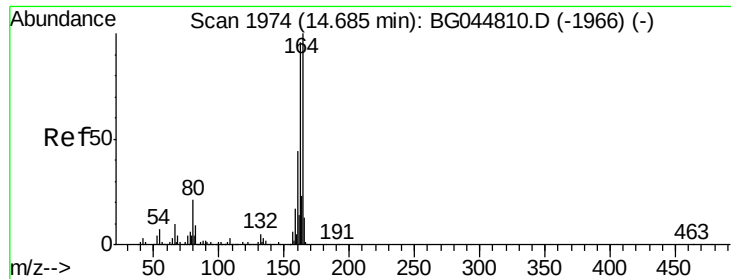
#32
Benzoic acid
Concen: 9.68 ng
RT: 10.25 min Scan# 1219
Delta R.T. 0.11 min
Lab File: BG044884.D
Acq: 19 Mar 2020 4:25

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#



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# 1972

Delta R.T. -0.01 min

Lab File: BG044884.D

Acq: 19 Mar 2020 4:25

Instrument :

BNA_G

ClientSampleId :

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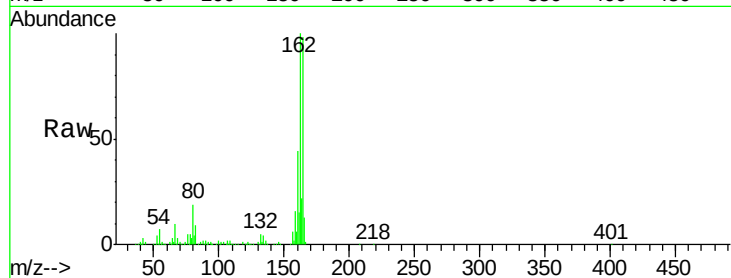
Tgt Ion:164 Resp: 189496

Ion Ratio Lower Upper

164 100

162 101.7 76.7 115.1

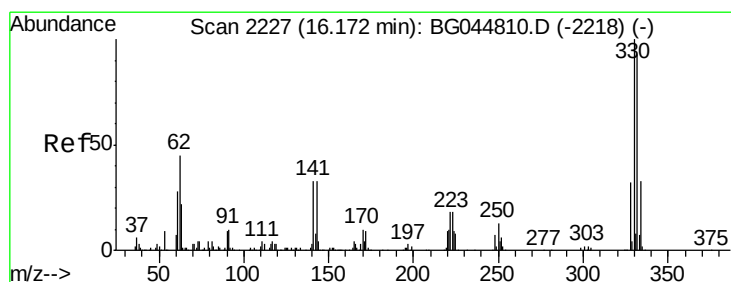
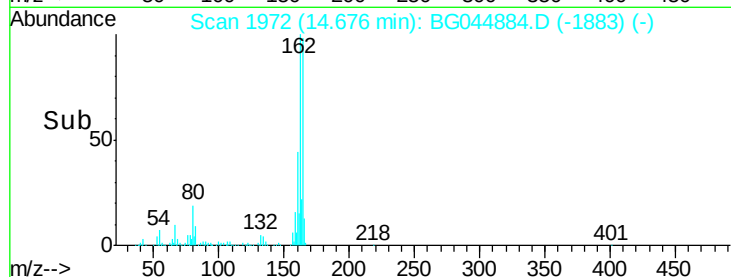
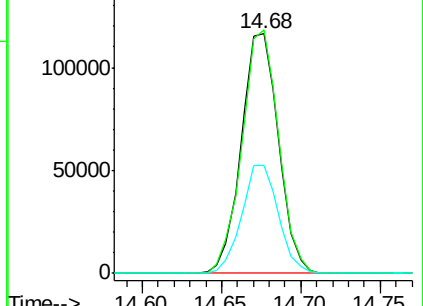
160 45.3 35.0 52.4



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: 127.25 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044884.D

Acq: 19 Mar 2020 4:25

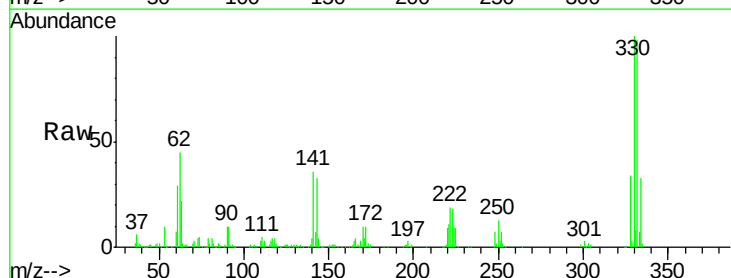
Tgt Ion:330 Resp: 315724

Ion Ratio Lower Upper

330 100

332 96.6 77.8 116.6

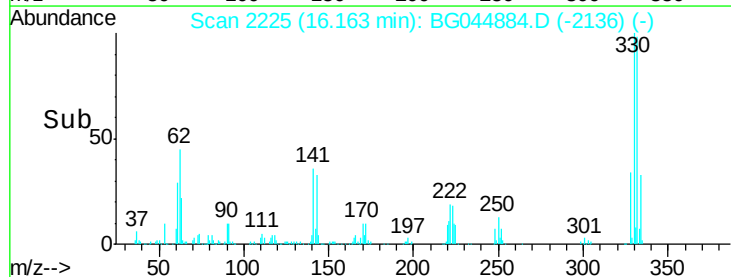
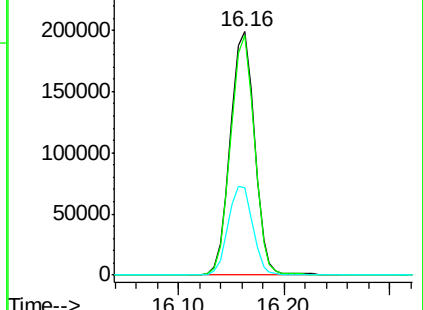
141 37.1 29.5 44.3

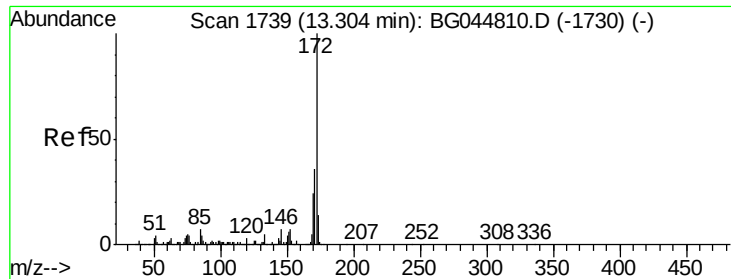


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

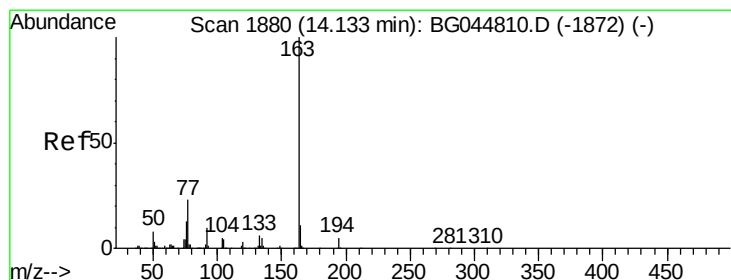
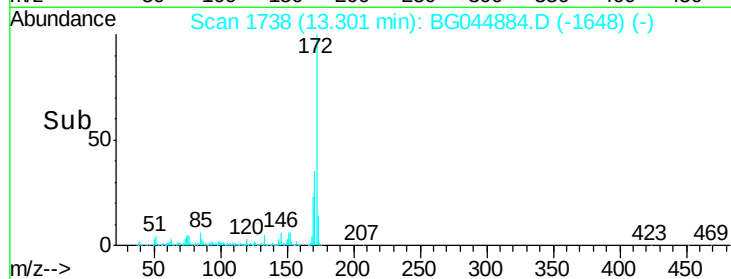
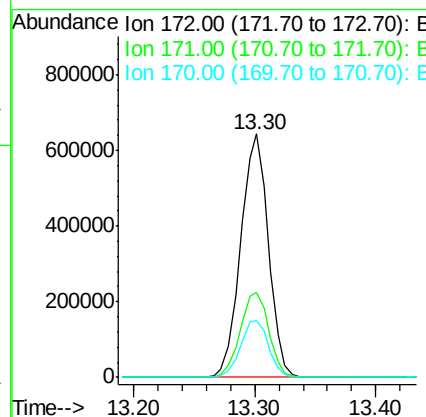
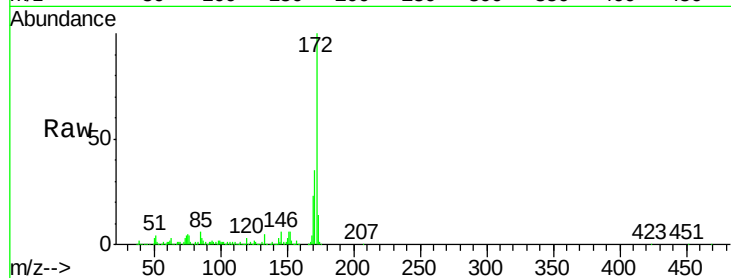




#45
2-Fluorobiphenyl
Concen: 77.56 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044884.D
Acq: 19 Mar 2020 4:25

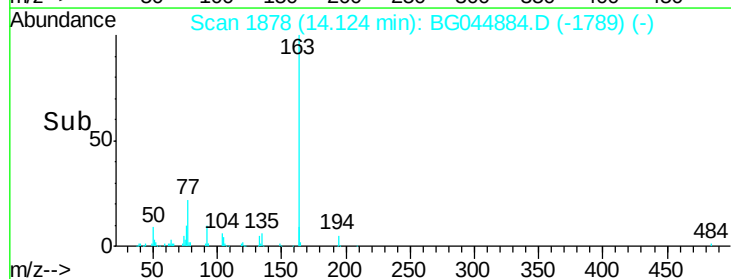
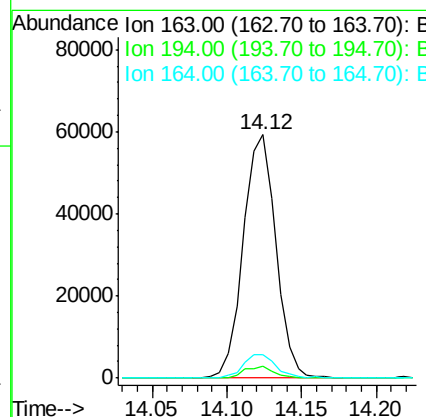
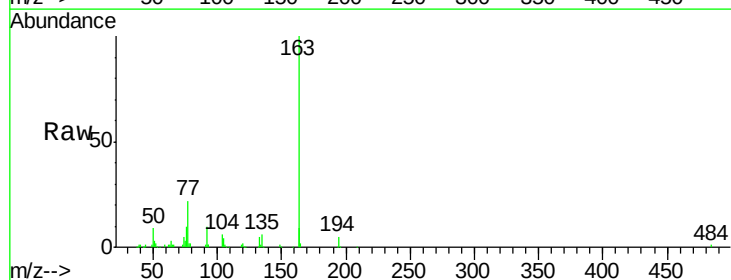
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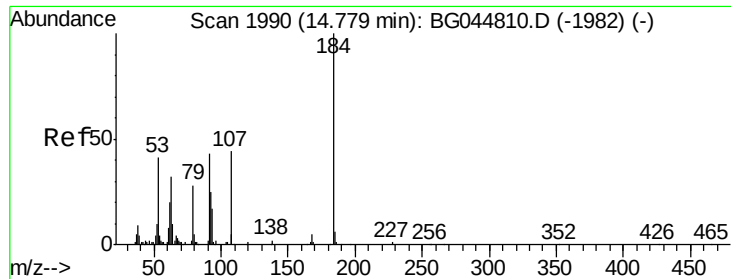
Tgt Ion:172 Resp: 1026341
Ion Ratio Lower Upper
172 100
171 35.0 28.7 43.1
170 23.4 19.0 28.6



#50
Dimethylphthalate
Concen: 5.95 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044884.D
Acq: 19 Mar 2020 4:25

Tgt Ion:163 Resp: 89802
Ion Ratio Lower Upper
163 100
194 4.9 3.7 5.5
164 9.4 9.1 13.7

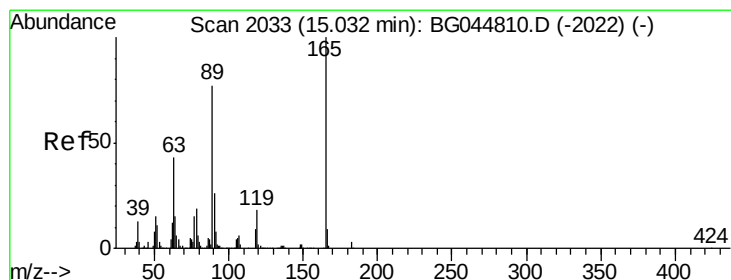
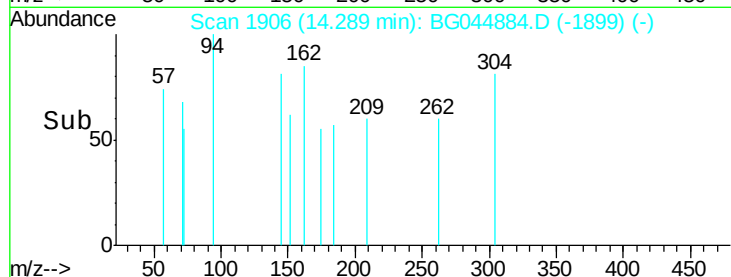
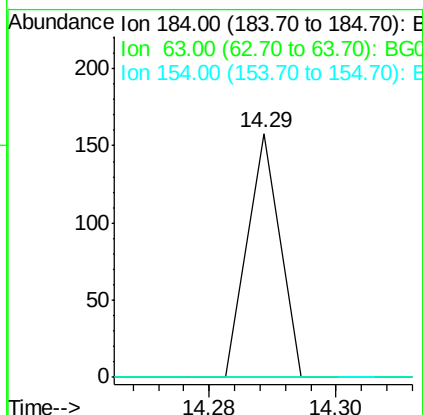
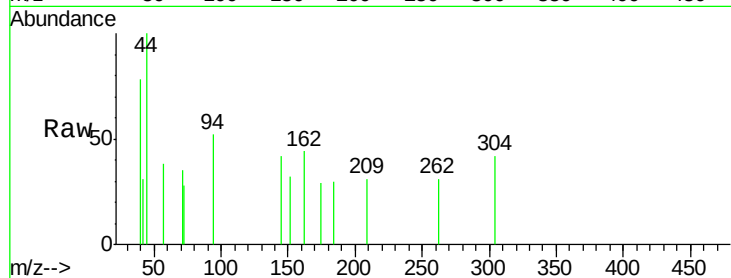




#54
2,4-Dinitrophenol
Concen: 8.35 ng
RT: 14.29 min Scan# 1906
Delta R.T. -0.49 min
Lab File: BG044884.D
Acq: 19 Mar 2020 4:25

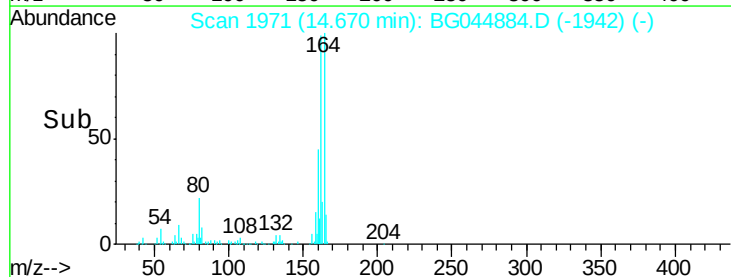
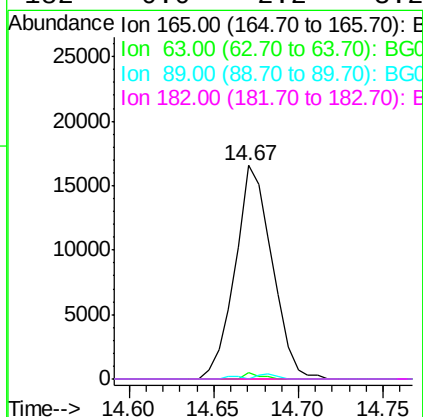
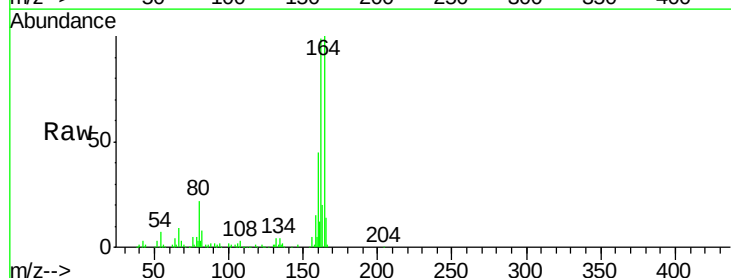
Instrument :
BNA_G
ClientSampleId :
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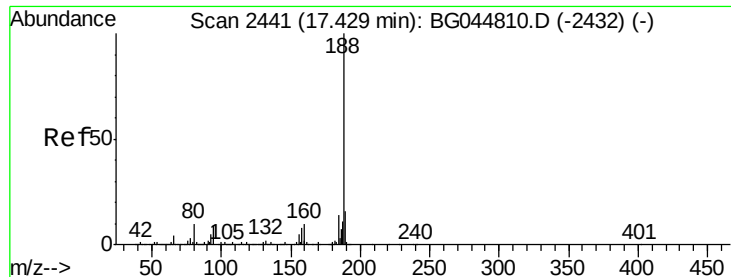
Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 6.06 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.36 min
Lab File: BG044884.D
Acq: 19 Mar 2020 4:25

Tgt Ion:165 Resp: 25268
Ion Ratio Lower Upper
165 100
63 3.0 34.6 52.0#
89 0.0 61.3 91.9#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044884.D

Acq: 19 Mar 2020 4:25

Instrument :

BNA_G

ClientSampleId :

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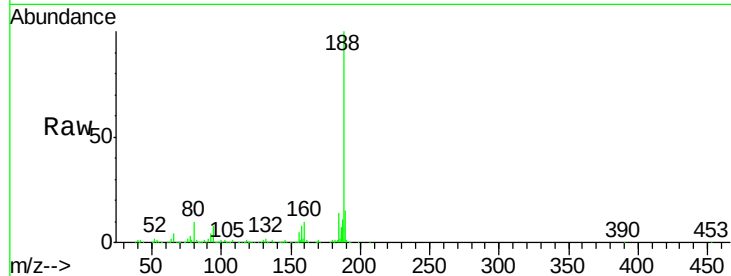
Tgt Ion:188 Resp: 450439

Ion Ratio Lower Upper

188 100

94 8.2 7.3 10.9

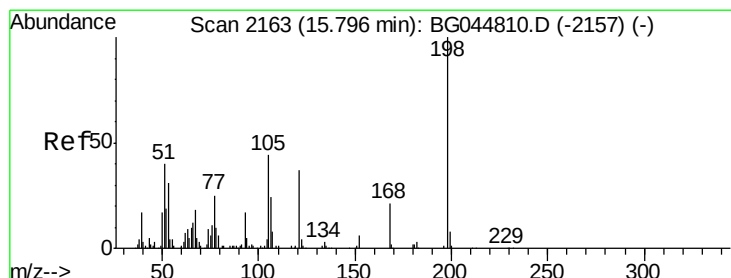
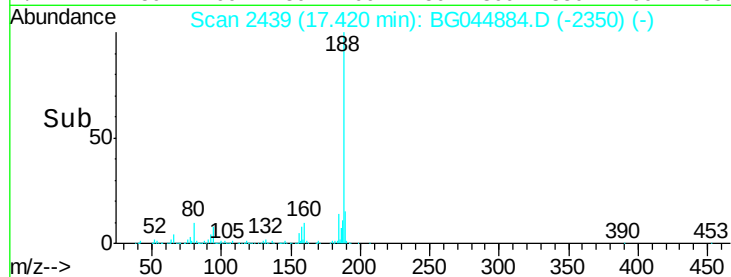
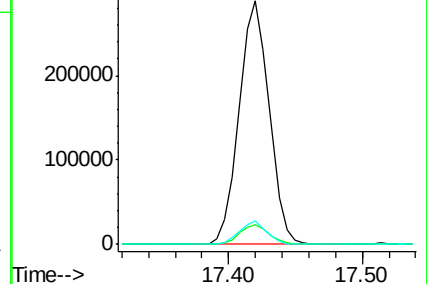
80 9.6 8.0 12.0



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.15 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.37 min

Lab File: BG044884.D

Acq: 19 Mar 2020 4:25

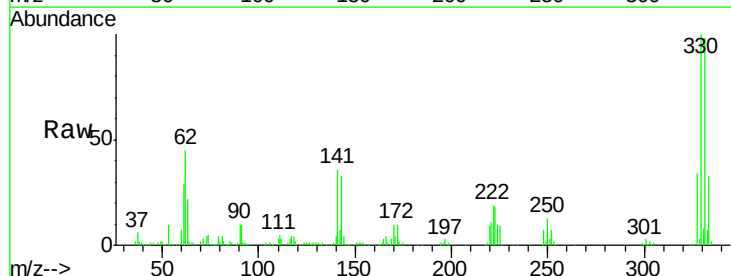
Tgt Ion:198 Resp: 1069

Ion Ratio Lower Upper

198 100

51 83.0 21.1 61.1#

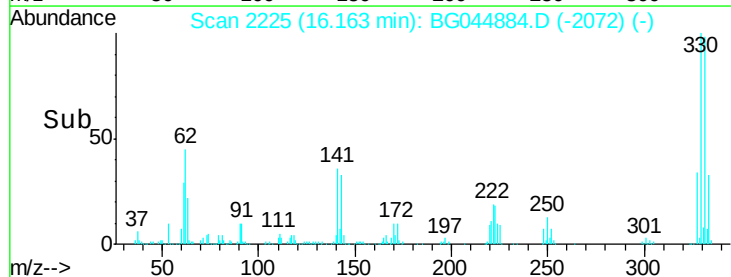
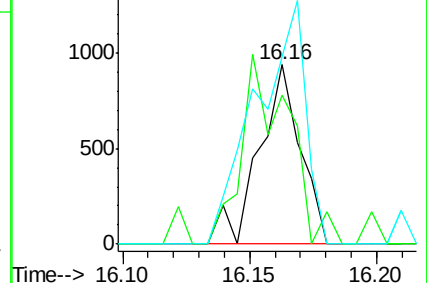
105 104.3 24.5 64.5#

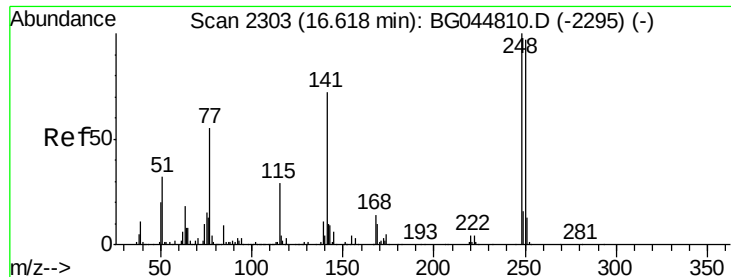


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

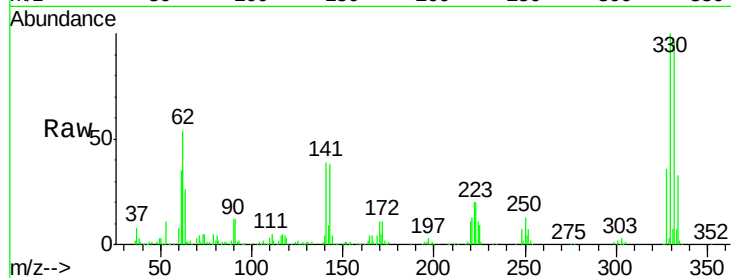




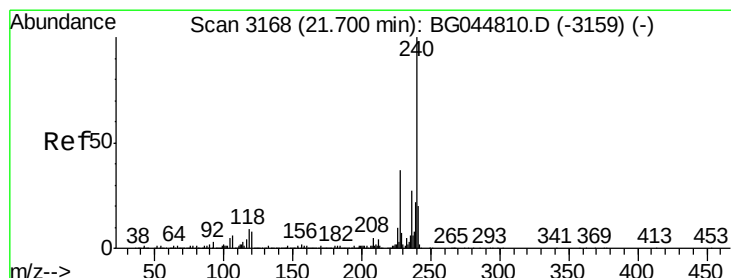
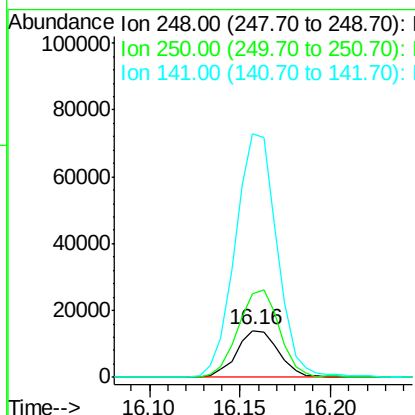
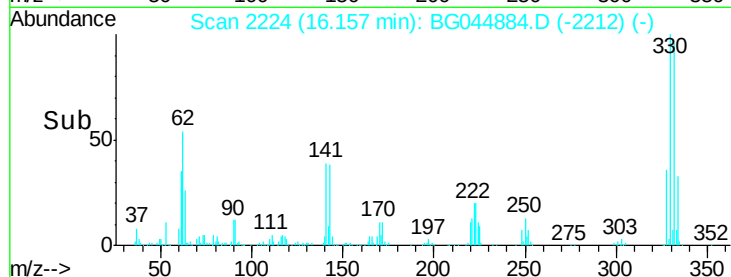
#67
 4-Bromophenyl-phenylether
 Concen: 3.97 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.46 min
 Lab File: BG044884.D
 Acq: 19 Mar 2020 4:25

Instrument :
 BNA_G
 ClientSampled :
 F-2

Tgt Ion:248 Resp: 22365
 Ion Ratio Lower Upper
 248 100
 250 178.7 77.9 116.9#
 141 517.5 57.5 86.3#

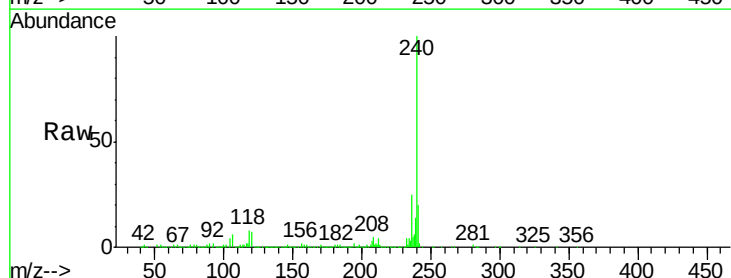


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

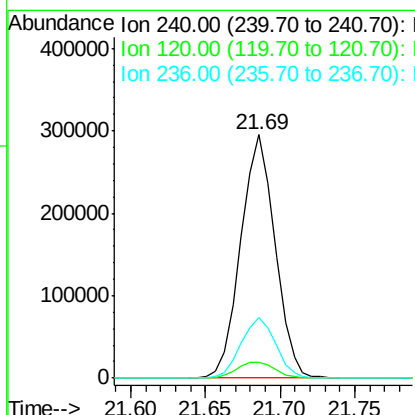
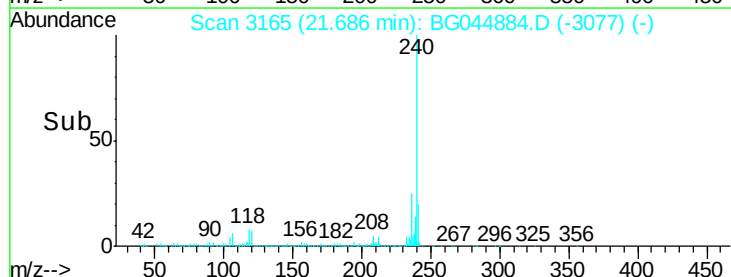


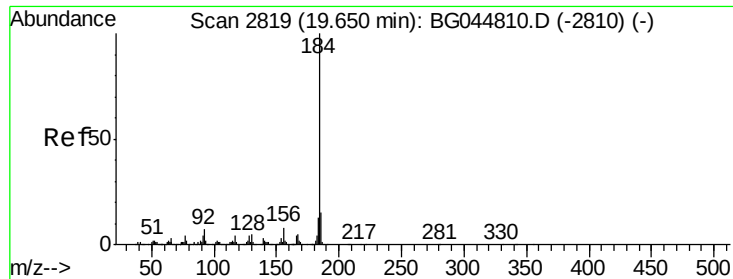
#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.69 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG044884.D
 Acq: 19 Mar 2020 4:25

Tgt Ion:240 Resp: 469442
 Ion Ratio Lower Upper
 240 100
 120 6.7 6.7 10.1#
 236 25.0 21.5 32.3



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: 2.26 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG044884.D

Acq: 19 Mar 2020 4:25

Instrument :

BNA_G

ClientSampleId :

F-2

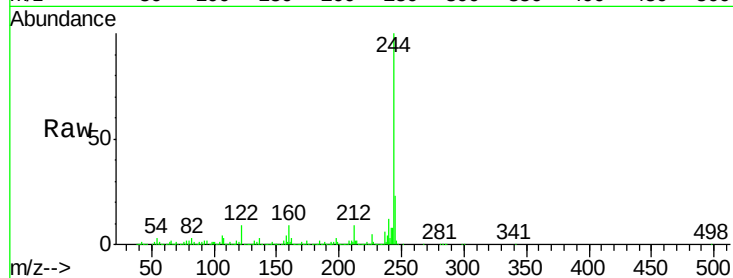
Tgt Ion:184 Resp: 34410

Ion Ratio Lower Upper

184 100

185 17.1 12.2 18.4

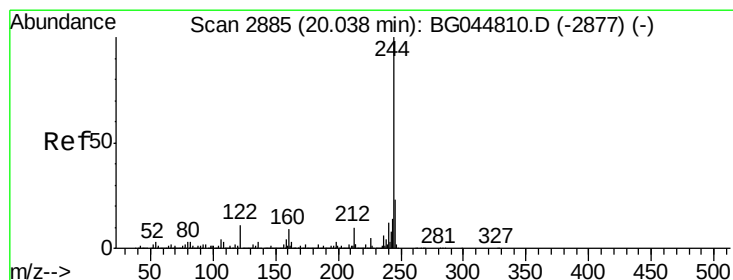
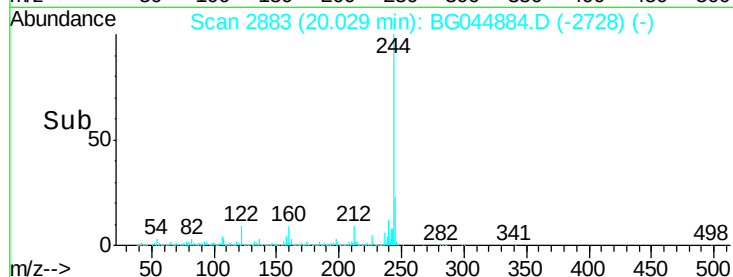
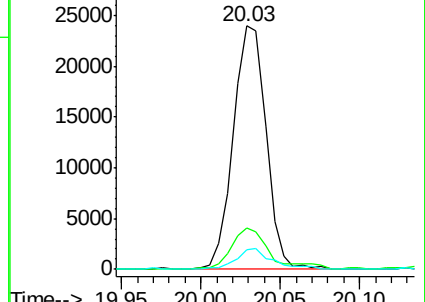
183 7.8 10.7 16.1#



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: 71.96 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG044884.D

Acq: 19 Mar 2020 4:25

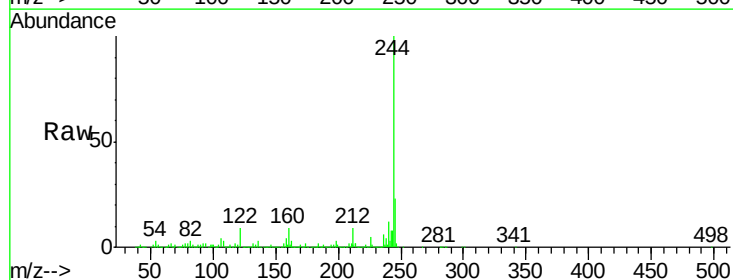
Tgt Ion:244 Resp: 1805880

Ion Ratio Lower Upper

244 100

212 9.2 7.7 11.5

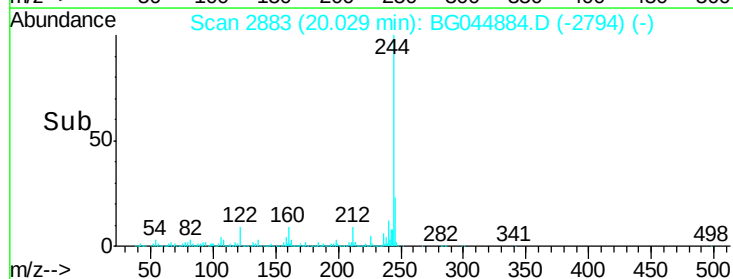
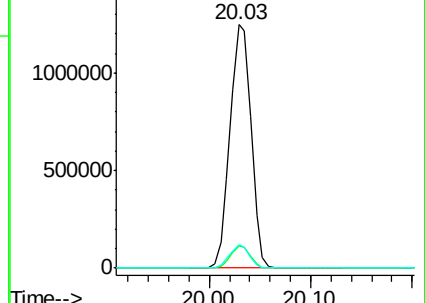
122 9.4 8.6 12.8

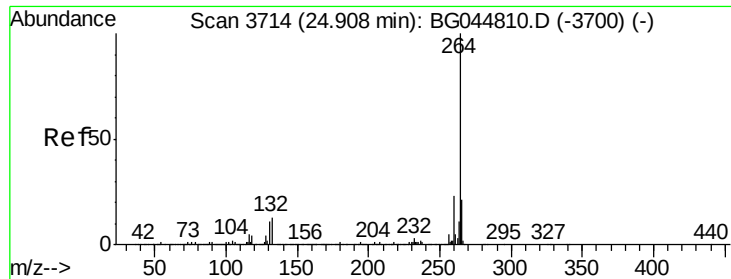


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

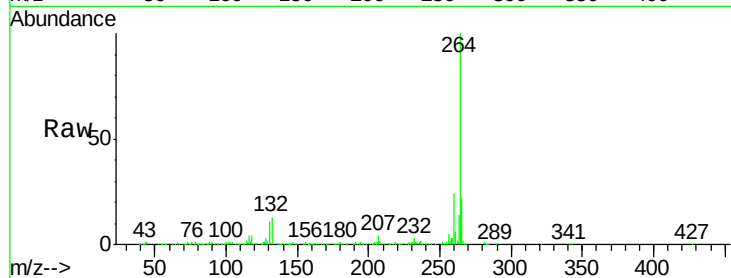




#87
Perylene-d12
Concen: 20.00 ng
RT: 24.89 min Scan# 3710
Delta R.T. -0.02 min
Lab File: BG044884.D
Acq: 19 Mar 2020 4:25

Instrument :
BNA_G
ClientSampleId :
F-2

Tgt Ion:	264	Resp:	508466
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.1	27.1
265	22.0	17.1	25.7



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

