

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032420\
 Data File : BG044938.D
 Acq On : 24 Mar 2020 20:06
 Operator : CG/JU
 Sample : PB127786TB
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB127786TB

Quant Time: Mar 25 02:35:03 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 23 07:18:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	77937	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	300944	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	192995	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	454613	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	469711	20.00	ng	-0.02
87) Perylene-d12	24.89	264	488883	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	696892	139.20	ng	0.00
7) Phenol-d6	7.20	99	949740	130.56	ng	0.00
23) Nitrobenzene-d5	9.20	82	625649	91.23	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	390682	154.60	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1329779	98.67	ng	0.00
79) Terphenyl-d14	20.03	244	2206006	87.85	ng	-0.01

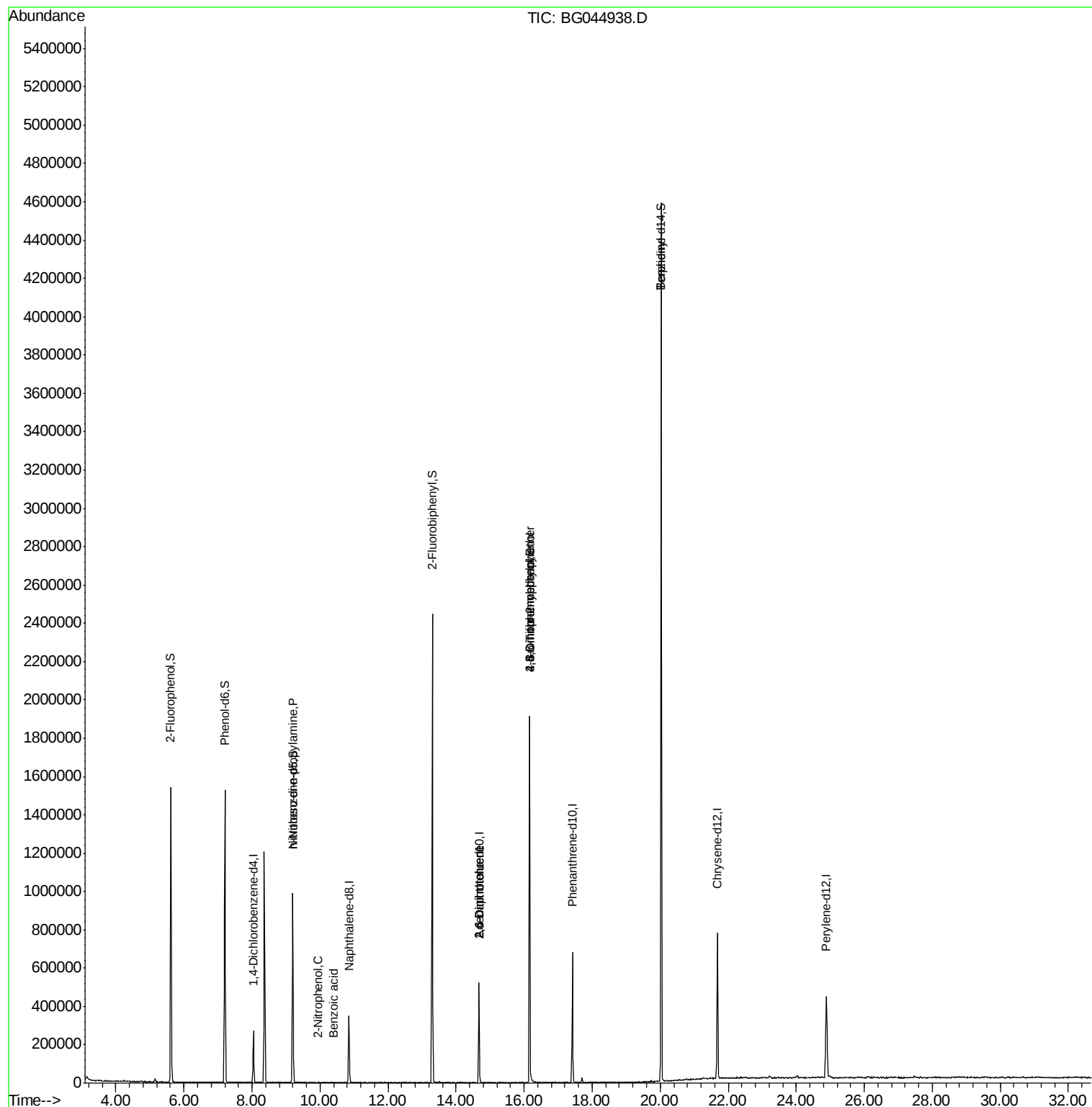
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1628	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	85050	16.56	ng	78
26) 2-Nitrophenol	9.93	139	81	5.54	ng	59
32) Benzoic acid	10.39	122	75	9.69	ng	1
51) 2,6-Dinitrotoluene	14.67	165	25313	8.17	ng	21
57) 2,4-Dinitrotoluene	14.67	165	25313	5.96	ng	22
65) 4,6-Dinitro-2-methylphenol	16.15	198	1312	8.24	ng	1
67) 4-Bromophenyl-phenylether	16.16	248	27014	4.75	ng	1
77) Benzidine	20.03	184	44410	2.91	ng	91

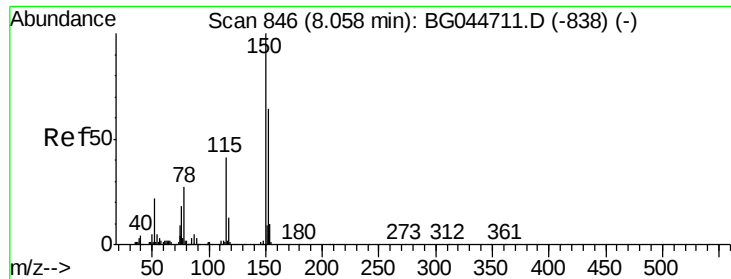
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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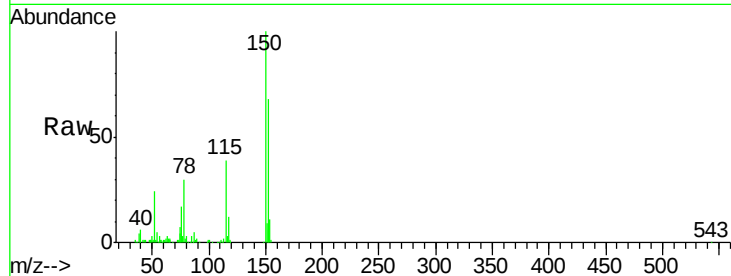


#1

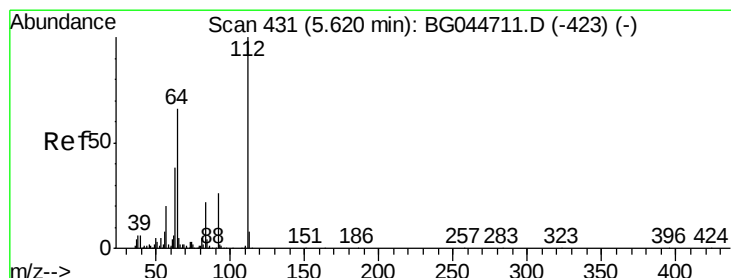
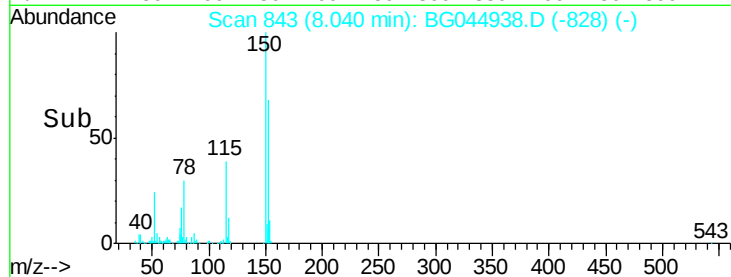
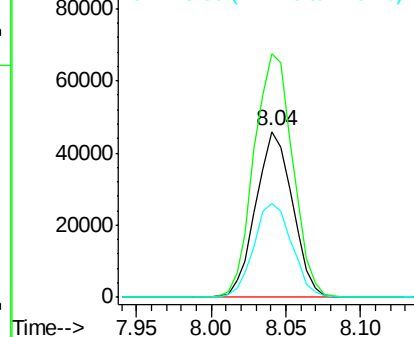
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044938.D
Acq: 24 Mar 2020 20:06

Instrument :
BNA_G
ClientSampleId :
PB127786TB

Tgt Ion	Ratio	Lower	Upper
152	100		
150	146.7	128.8	193.2
115	56.8	52.6	79.0



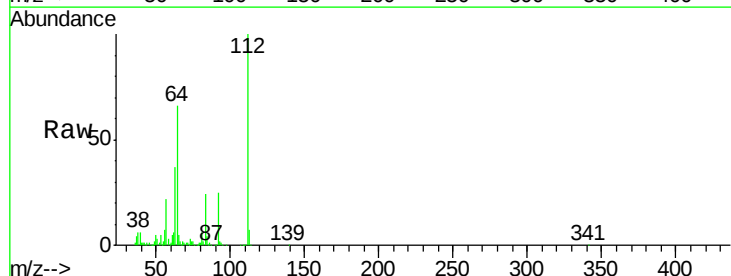
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



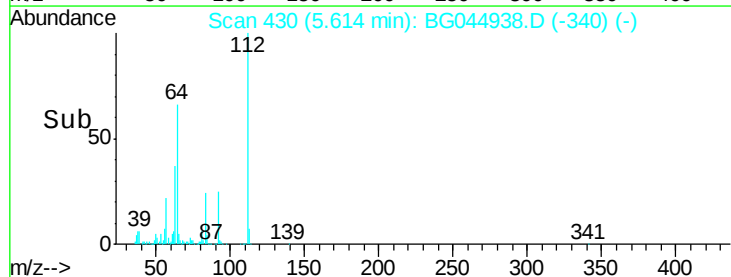
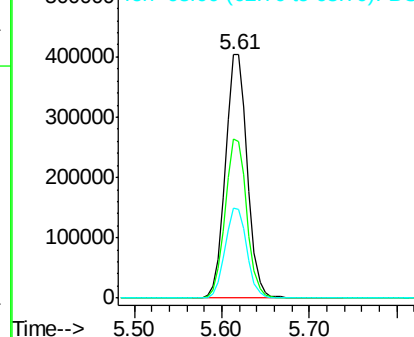
#5

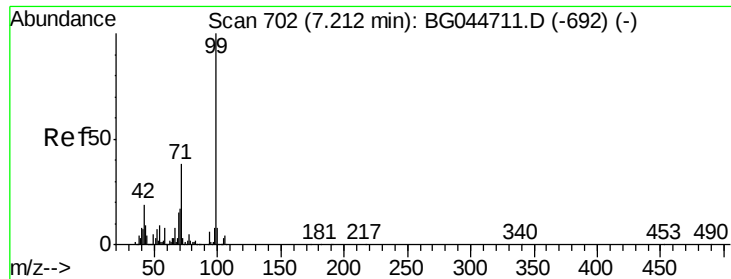
2-Fluorophenol
Concen: 139.20 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044938.D
Acq: 24 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	53.4	80.2
63	36.8	29.4	44.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 130.56 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044938.D

Acq: 24 Mar 2020 20:06

Instrument :

BNA_G

ClientSampleId :

PB127786TB

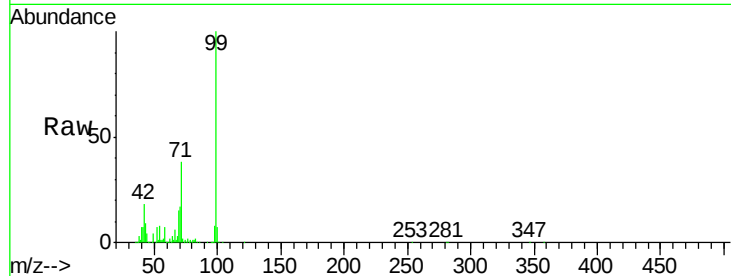
Tgt Ion: 99 Resp: 949740

Ion Ratio Lower Upper

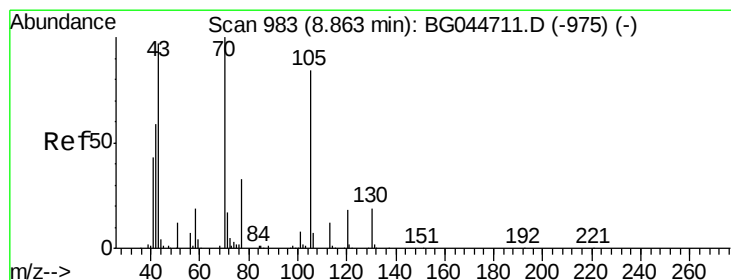
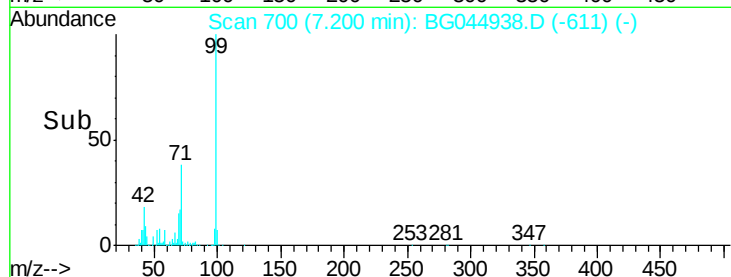
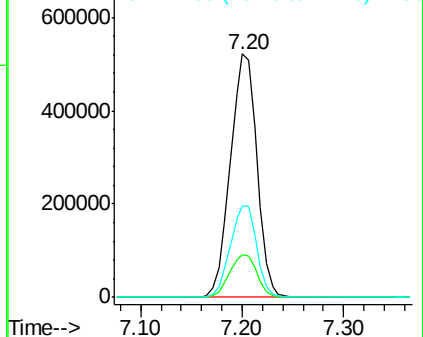
99 100

42 17.5 12.6 19.0

71 37.7 29.0 43.4



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: 16.56 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044938.D

Acq: 24 Mar 2020 20:06

Tgt Ion: 70 Resp: 85050

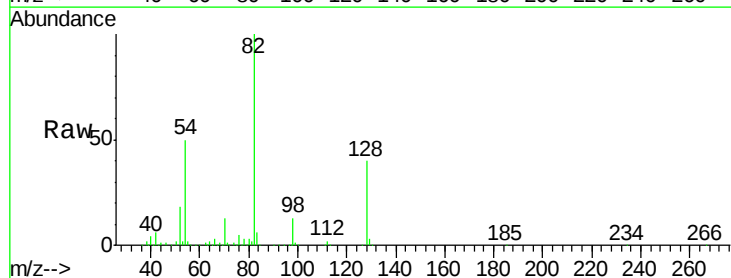
Ion Ratio Lower Upper

70 100

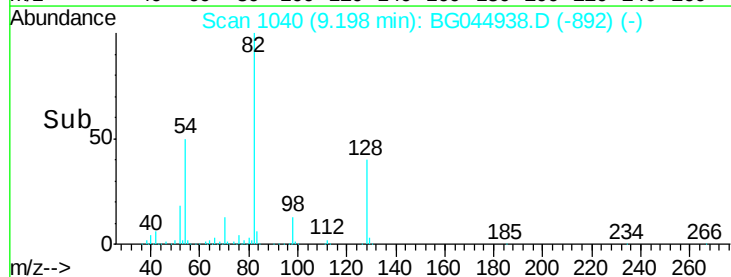
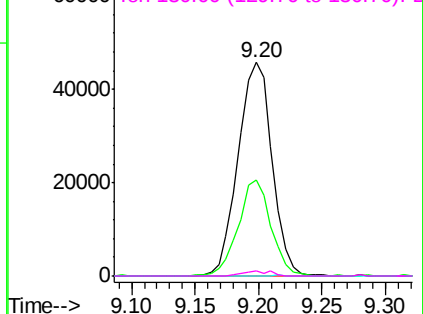
42 44.8 45.7 68.5#

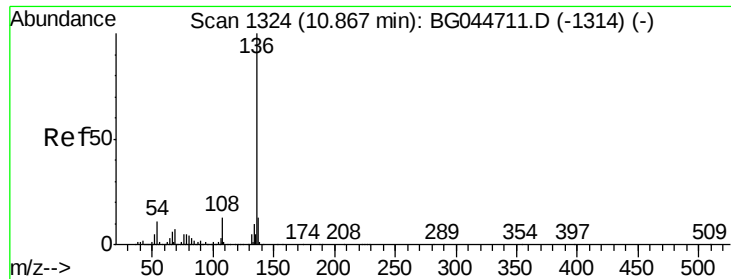
101 0.0 7.4 11.2#

130 2.6 15.9 23.9#



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

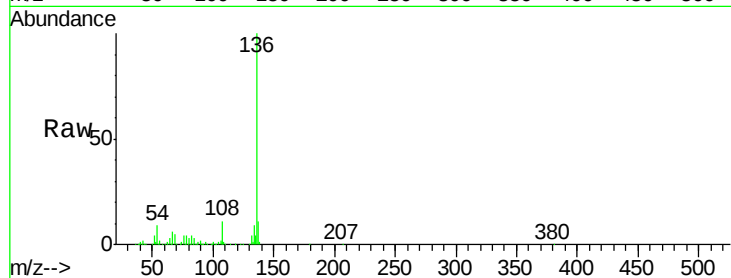




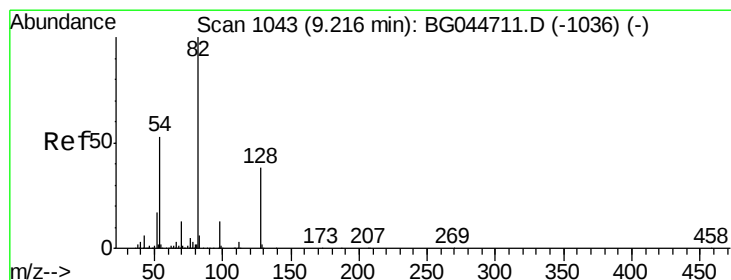
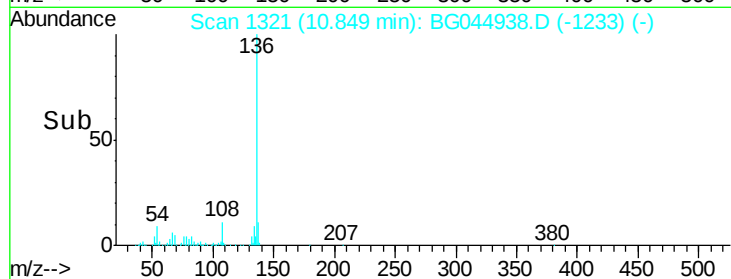
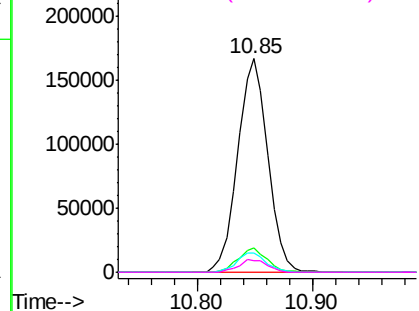
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044938.D
Acq: 24 Mar 2020 20:06

Instrument :
BNA_G
ClientSampleId :
PB127786TB

Tgt Ion:	136	Resp:	300944
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.8	14.6
54	8.9	7.9	11.9
68	5.4	5.4	8.0

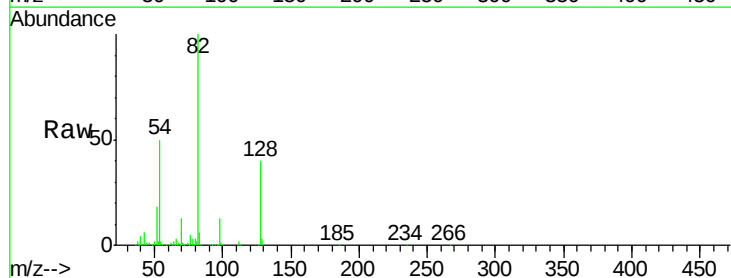


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

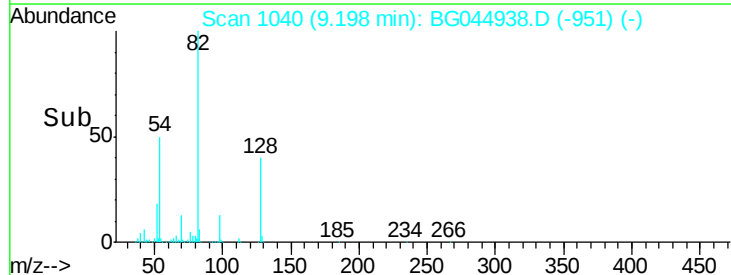
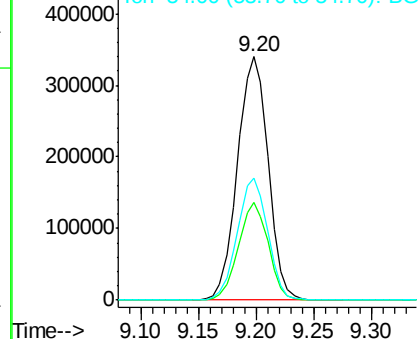


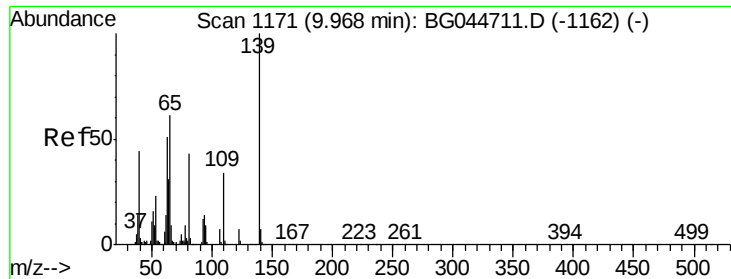
#23
Nitrobenzene-d5
Concen: 91.23 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG044938.D
Acq: 24 Mar 2020 20:06

Tgt Ion:	82	Resp:	625649
Ion	Ratio	Lower	Upper
82	100		
128	40.2	30.6	46.0
54	50.3	37.1	55.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

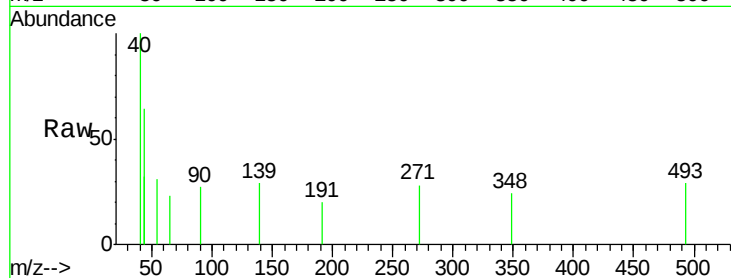




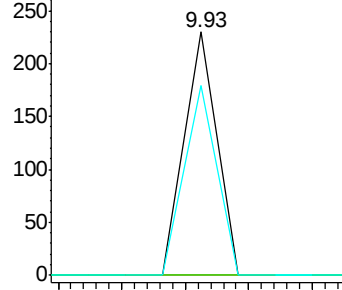
#26
2-Nitrophenol
Concen: 5.54 ng
RT: 9.93 min Scan# 1165
Delta R.T. -0.03 min
Lab File: BG044938.D
Acq: 24 Mar 2020 20:06

Instrument :
BNA_G
ClientSampleId :
PB127786TB

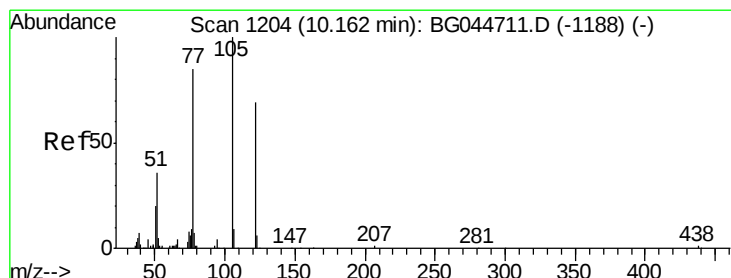
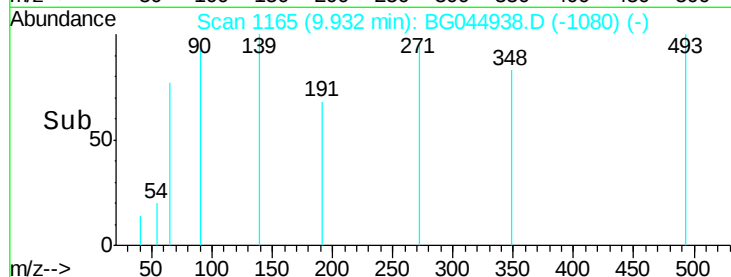
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	77.8	46.3	69.5#



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

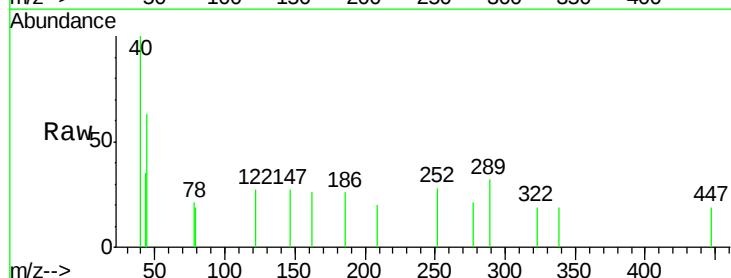


Time--> 9.91 9.92 9.93 9.94 9.95

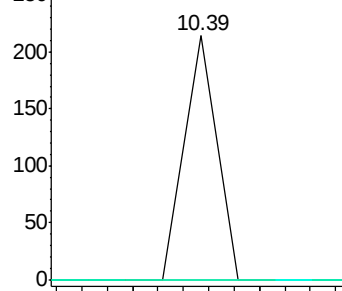


#32
Benzoic acid
Concen: 9.69 ng
RT: 10.39 min Scan# 1243
Delta R.T. 0.25 min
Lab File: BG044938.D
Acq: 24 Mar 2020 20:06

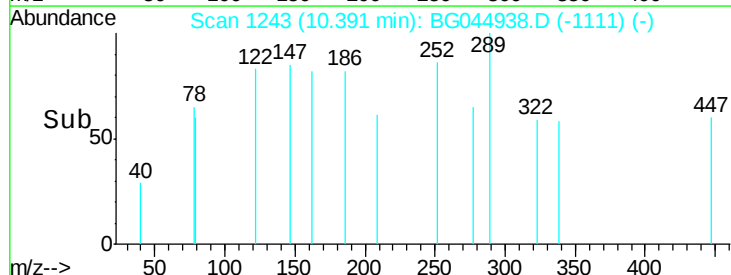
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#

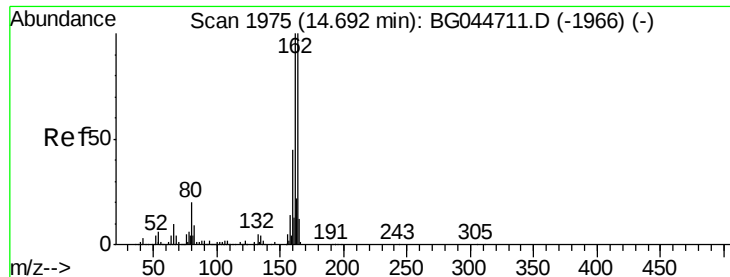


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC



Time--> 10.38 10.40





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044938.D

Acq: 24 Mar 2020 20:06

Instrument :

BNA_G

ClientSampleId :

PB127786TB

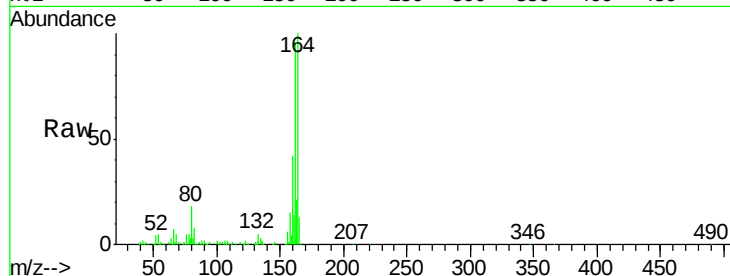
Tgt Ion:164 Resp: 192995

Ion Ratio Lower Upper

164 100

162 95.6 76.7 115.1

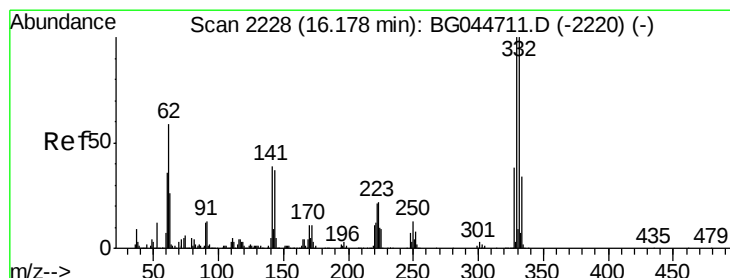
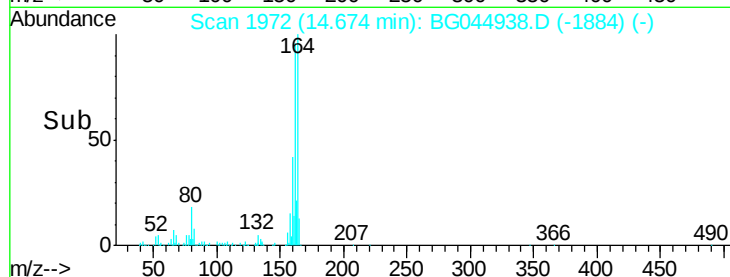
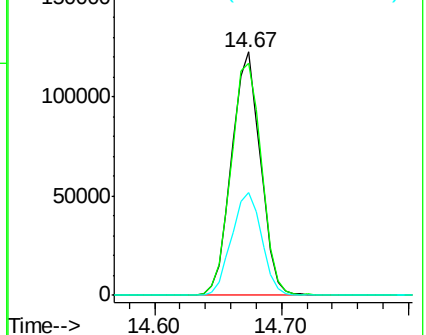
160 42.2 35.0 52.4



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: 154.60 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044938.D

Acq: 24 Mar 2020 20:06

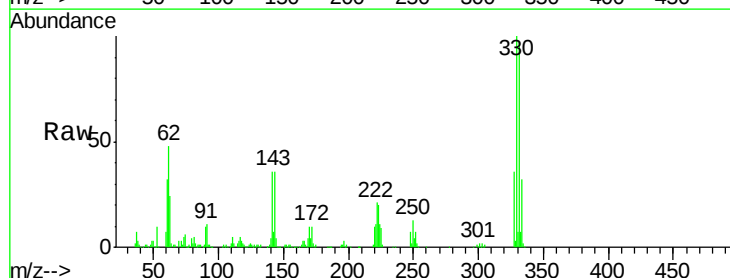
Tgt Ion:330 Resp: 390682

Ion Ratio Lower Upper

330 100

332 98.1 77.8 116.6

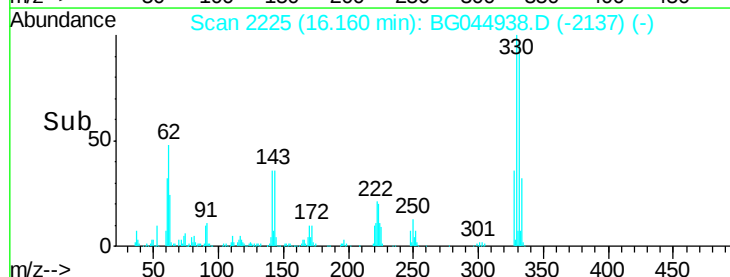
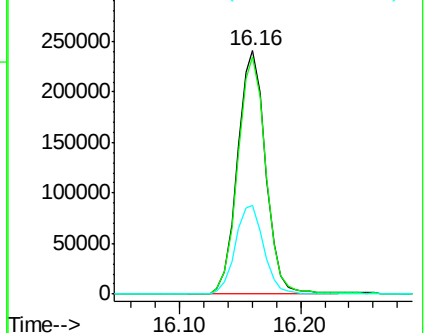
141 37.2 29.5 44.3

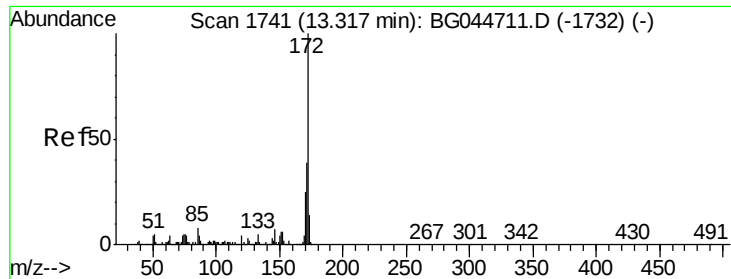


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

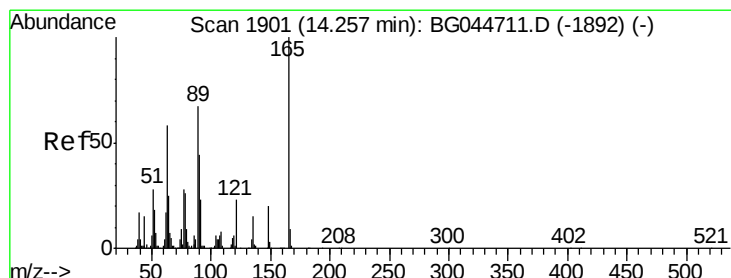
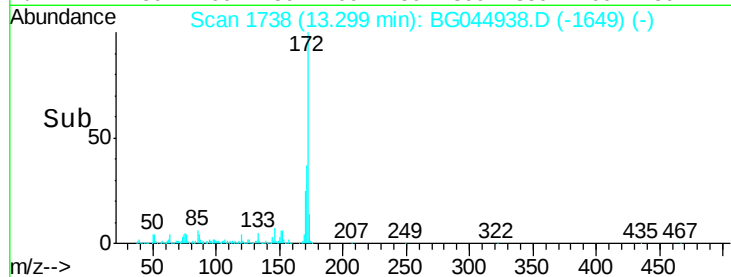
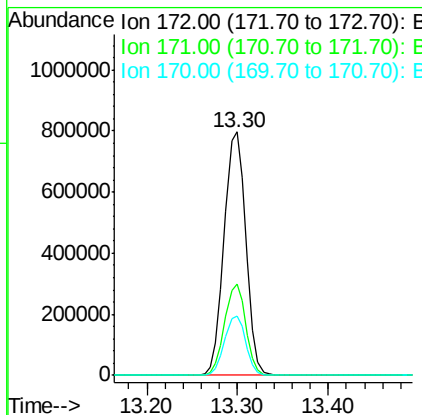
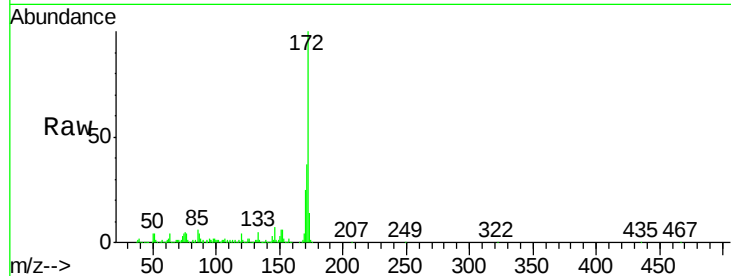




#45
 2-Fluorobiphenyl
 Concen: 98.67 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.01 min
 Lab File: BG044938.D
 Acq: 24 Mar 2020 20:06

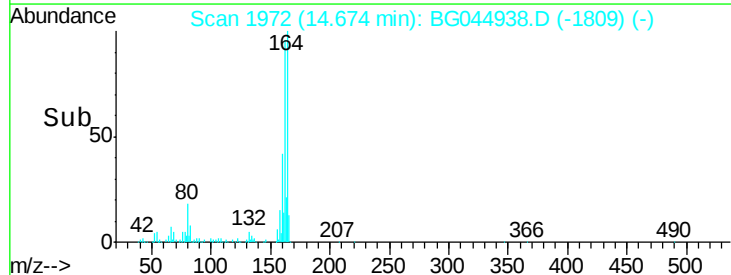
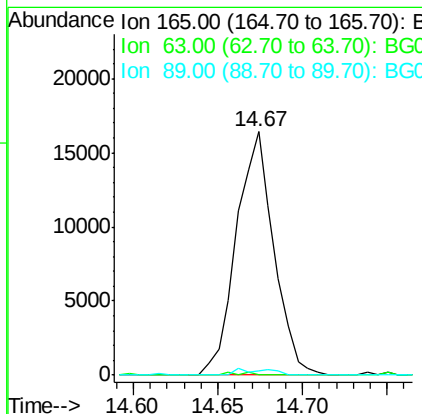
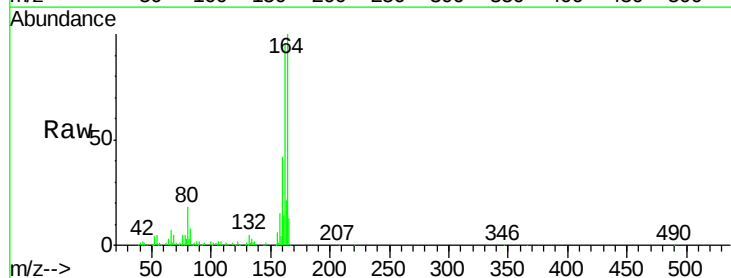
Instrument :
 BNA_G
 ClientSampleId :
 PB127786TB

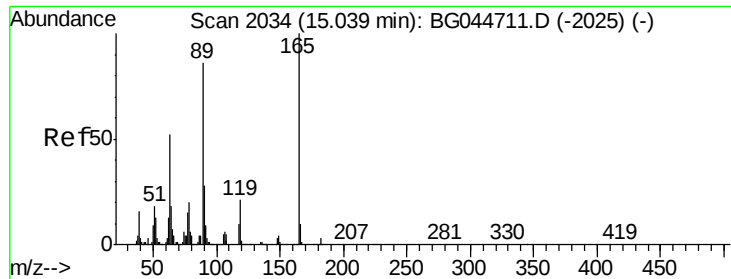
Tgt Ion:172 Resp: 1329779
 Ion Ratio Lower Upper
 172 100
 171 37.3 28.7 43.1
 170 24.6 19.0 28.6



#51
 2,6-Dinitrotoluene
 Concen: 8.17 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.43 min
 Lab File: BG044938.D
 Acq: 24 Mar 2020 20:06

Tgt Ion:165 Resp: 25313
 Ion Ratio Lower Upper
 165 100
 63 0.0 45.8 68.8#
 89 1.9 51.8 77.6#





#57

2,4-Dinitrotoluene

Concen: 5.96 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG044938.D

Acq: 24 Mar 2020 20:06

Instrument :

BNA_G

ClientSampleId :

PB127786TB

Tgt Ion:165 Resp: 25313

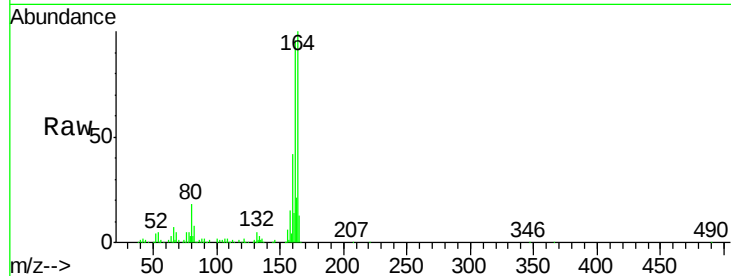
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 1.9 61.3 91.9#

182 0.0 2.2 3.2#

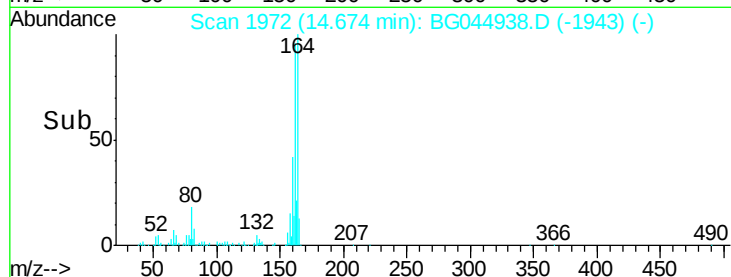


Abundance Ion 165.00 (164.70 to 165.70): E

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



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

Time-->

14.60 14.65 14.70

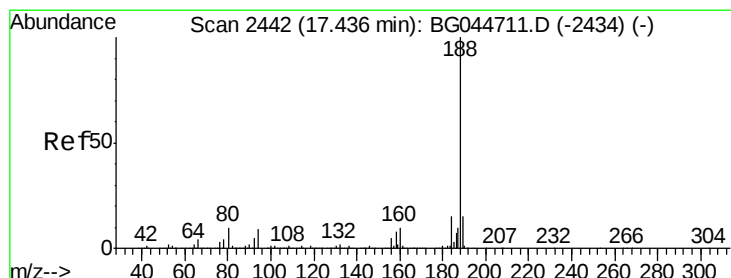
14.67

15000

10000

5000

0



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044938.D

Acq: 24 Mar 2020 20:06

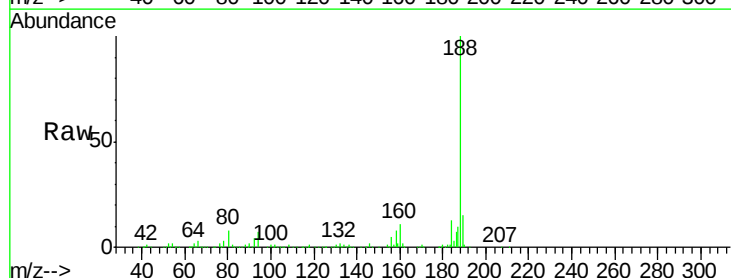
Tgt Ion:188 Resp: 454613

Ion Ratio Lower Upper

188 100

94 6.7 7.3 10.9#

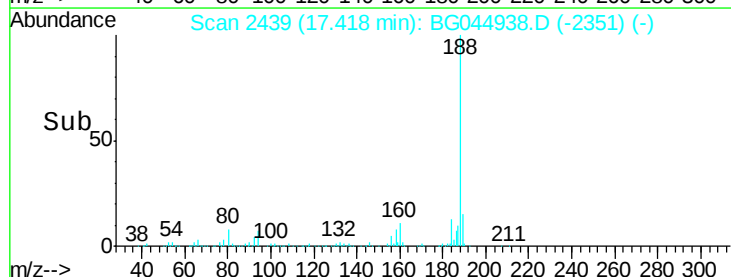
80 8.2 8.0 12.0



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



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-->

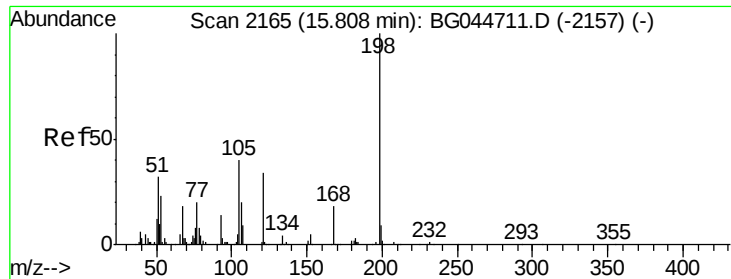
17.40 17.45 17.50

300000

200000

100000

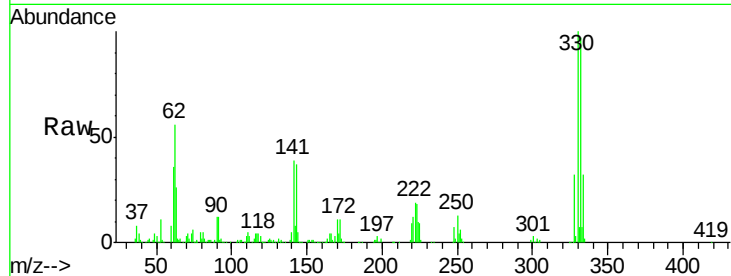
0



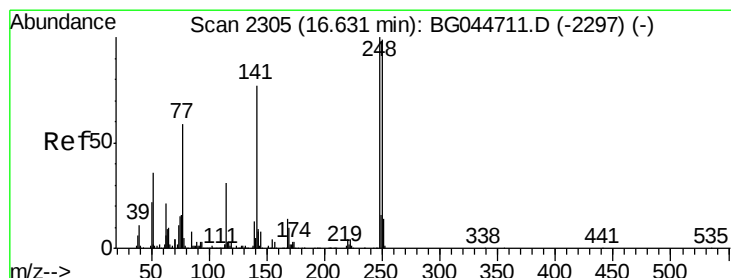
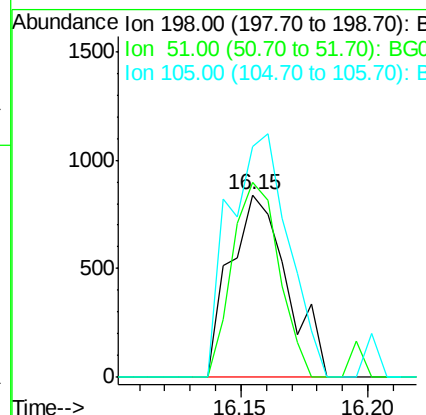
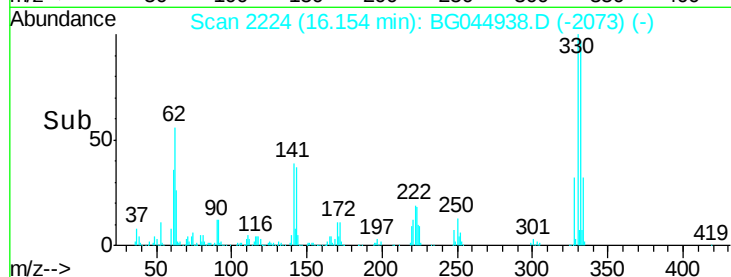
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.24 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. 0.36 min
 Lab File: BG044938.D
 Acq: 24 Mar 2020 20:06

Instrument :
 BNA_G
 ClientSampleId :
 PB127786TB

Tgt Ion:198 Resp: 1312
 Ion Ratio Lower Upper
 198 100
 51 107.0 21.1 61.1#
 105 126.2 24.5 64.5#

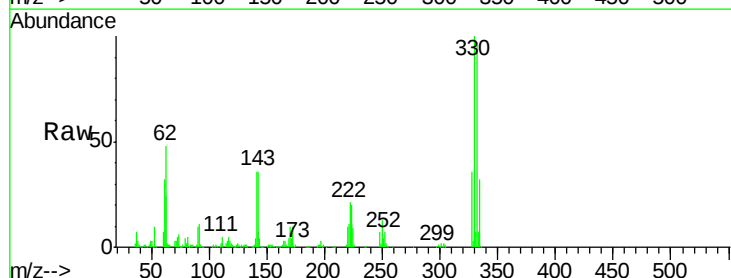


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

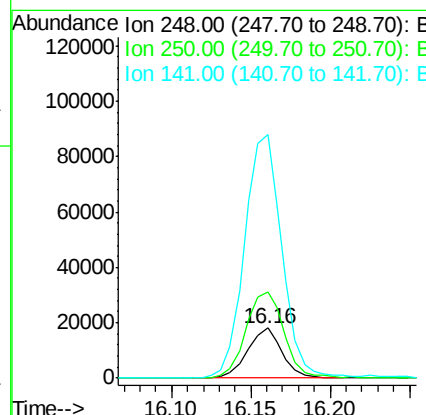
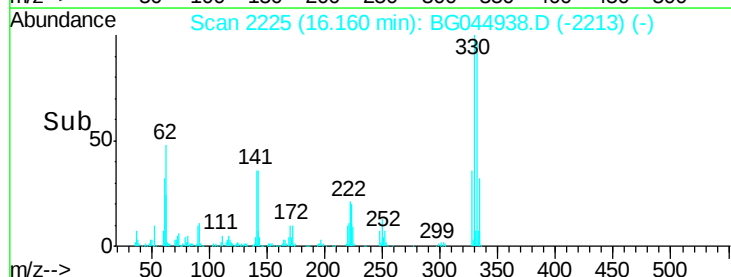


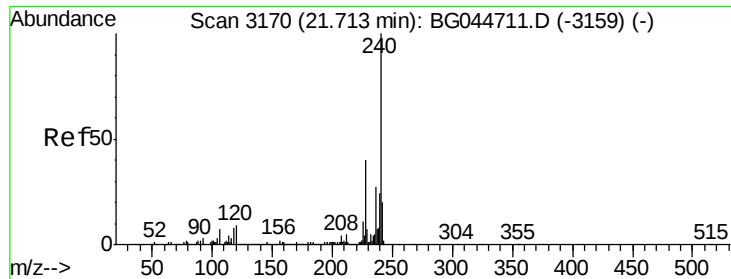
#67
 4-Bromophenyl-phenylether
 Concen: 4.75 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044938.D
 Acq: 24 Mar 2020 20:06

Tgt Ion:248 Resp: 27014
 Ion Ratio Lower Upper
 248 100
 250 173.8 77.9 116.9#
 141 488.1 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

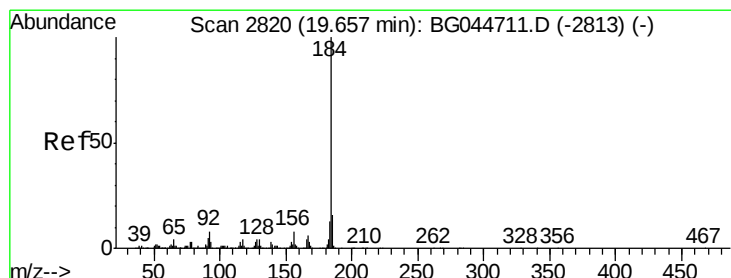
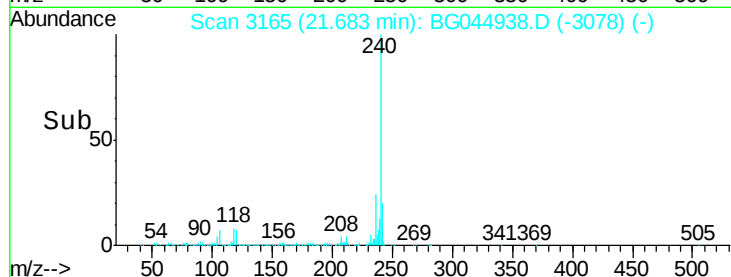
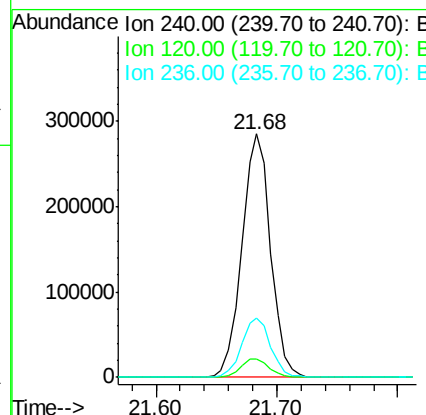
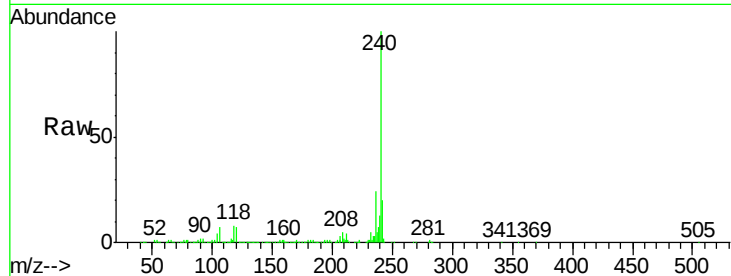




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG044938.D
Acq: 24 Mar 2020 20:06

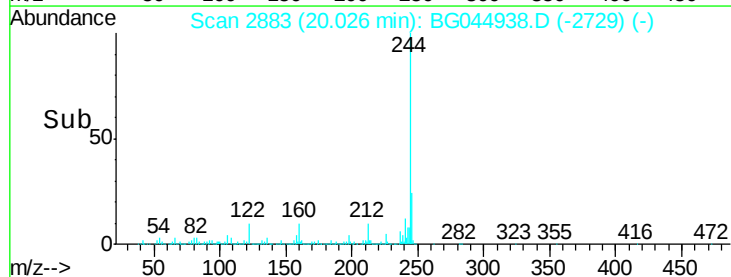
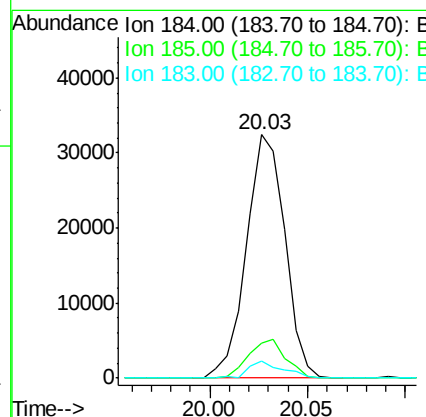
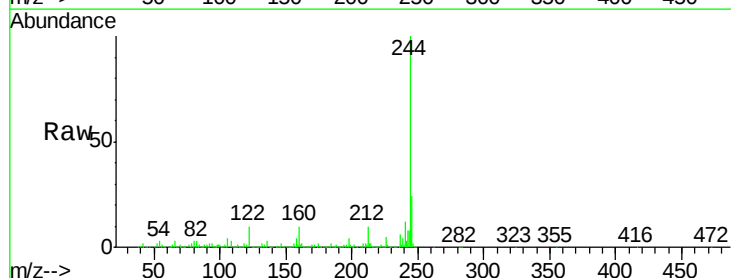
Instrument :
BNA_G
ClientSampleId :
PB127786TB

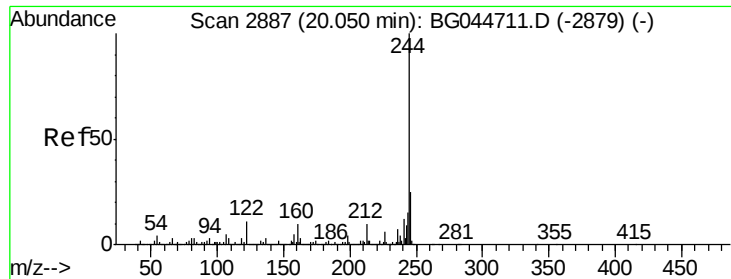
Tgt Ion:240 Resp: 469711
Ion Ratio Lower Upper
240 100
120 7.3 6.7 10.1
236 24.3 21.5 32.3



#77
Benzidine
Concen: 2.91 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.38 min
Lab File: BG044938.D
Acq: 24 Mar 2020 20:06

Tgt Ion:184 Resp: 44410
Ion Ratio Lower Upper
184 100
185 14.1 12.2 18.4
183 7.0 10.7 16.1#





#79

Terphenyl-d14

Concen: 87.85 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG044938.D

Acq: 24 Mar 2020 20:06

Instrument :

BNA_G

ClientSampleId :

PB127786TB

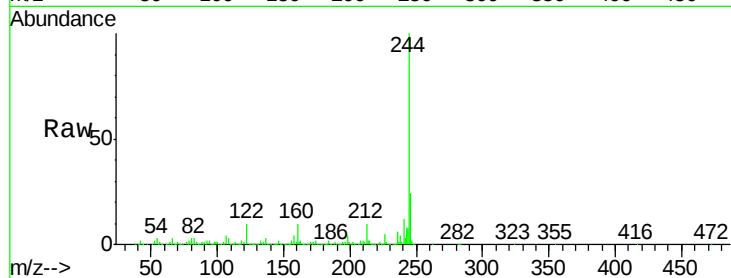
Tgt Ion:244 Resp: 2206006

Ion Ratio Lower Upper

244 100

212 9.6 7.7 11.5

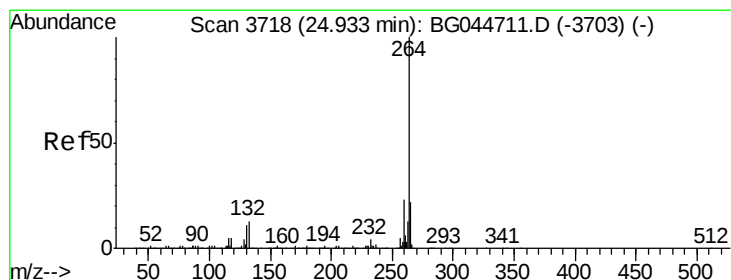
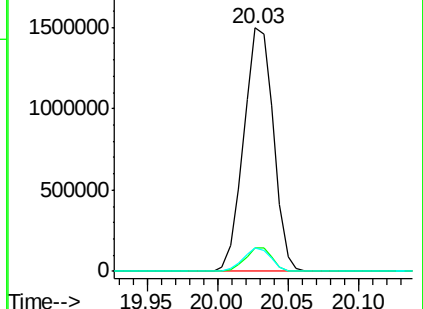
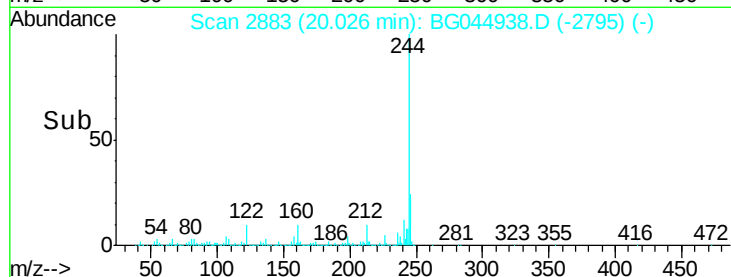
122 9.9 8.6 12.8



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: BG044938.D

Acq: 24 Mar 2020 20:06

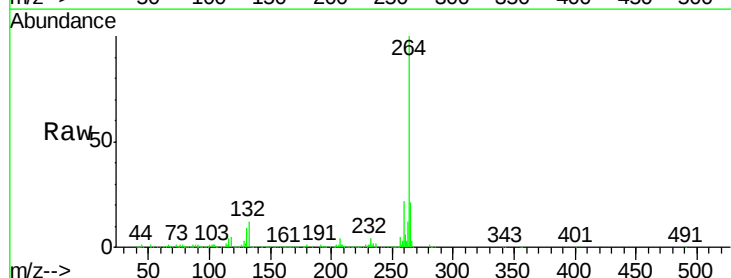
Tgt Ion:264 Resp: 488883

Ion Ratio Lower Upper

264 100

260 22.2 18.1 27.1

265 20.9 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

