

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031820\
 Data File : BG044896.D
 Acq On : 19 Mar 2020 13:39
 Operator : CG/JU
 Sample : L1873-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 19 14:32:21 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	81974	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	314163	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	207504	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	478283	20.00	ng	0.00
76) Chrysene-d12	21.69	240	496507	20.00	ng	-0.01
87) Perylene-d12	24.89	264	554596	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	611025	116.03	ng	0.00
7) Phenol-d6	7.20	99	769543	100.58	ng	0.00
23) Nitrobenzene-d5	9.20	82	626819	87.55	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	409593	150.75	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1308057	90.27	ng	0.00
79) Terphenyl-d14	20.03	244	2282826	86.00	ng	0.00

Target Compounds

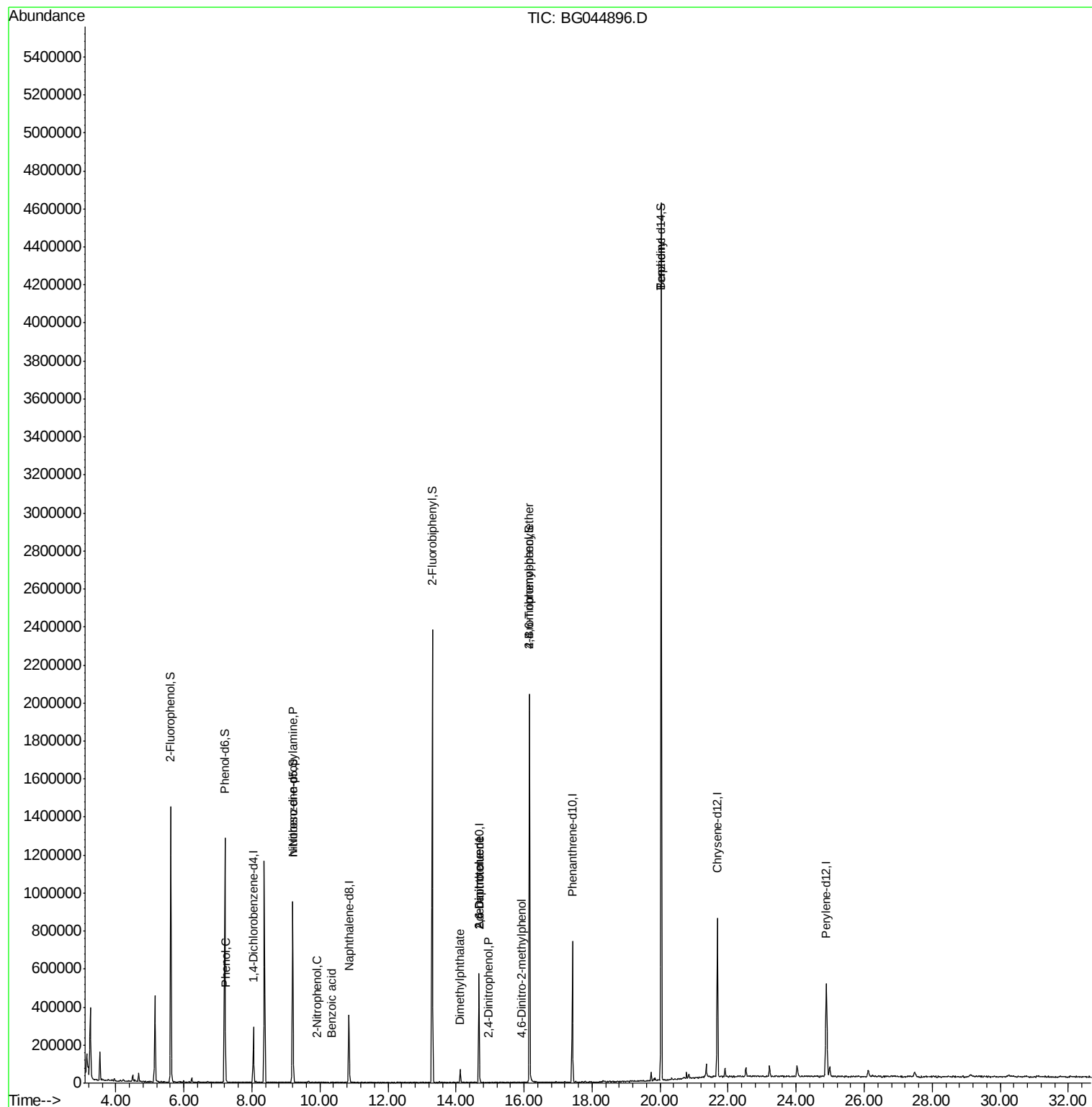
						Qvalue
9) Benzaldehyde	7.20	77	2073	Below Cal	#	6
10) Phenol	7.23	94	15619	2.062 ng	#	80
19) n-Nitroso-di-n-propylamine	9.19	70	85320	15.793 ng	#	76
26) 2-Nitrophenol	9.92	139	92	5.547 ng	#	28
32) Benzoic acid	10.34	122	69	9.685 ng	#	35
50) Dimethylphthalate	14.12	163	48449	2.932 ng	#	97
51) 2,6-Dinitrotoluene	14.68	165	26882	8.070 ng	#	22
54) 2,4-Dinitrophenol	14.95	184	56	8.352 ng	#	21
57) 2,4-Dinitrotoluene	14.68	165	26882	5.884 ng	#	22
65) 4,6-Dinitro-2-methylphenol	15.93	198	59	7.750 ng	#	33
67) 4-Bromophenyl-phenylether	16.16	248	27851	4.658 ng	#	1
77) Benzidine	20.03	184	45769	2.840 ng	#	88

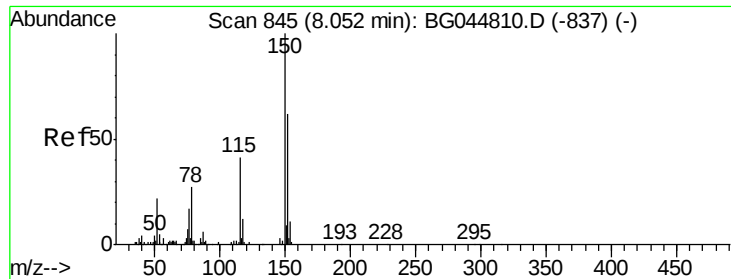
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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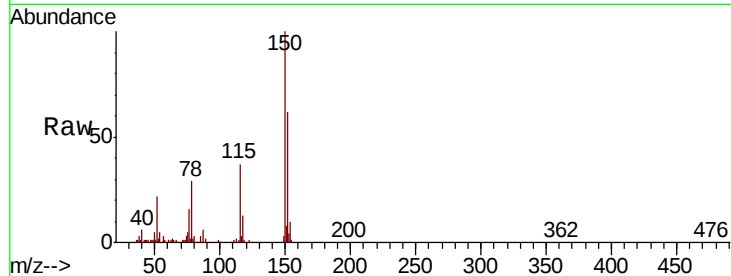


#1

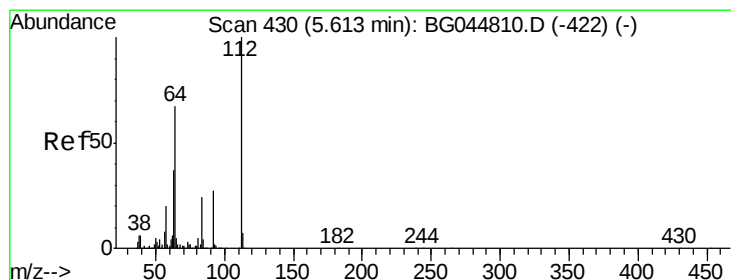
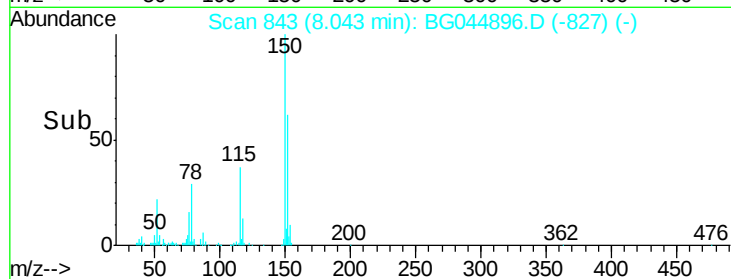
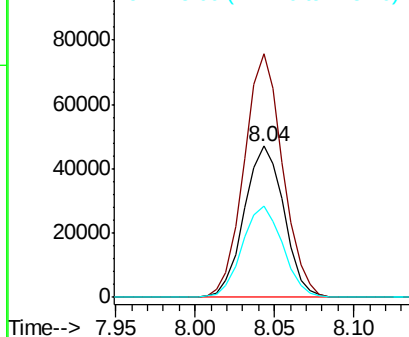
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044896.D
Acq: 19 Mar 2020 13:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 81974
Ion Ratio Lower Upper
152 100
150 161.0 128.8 193.2
115 60.3 52.6 79.0



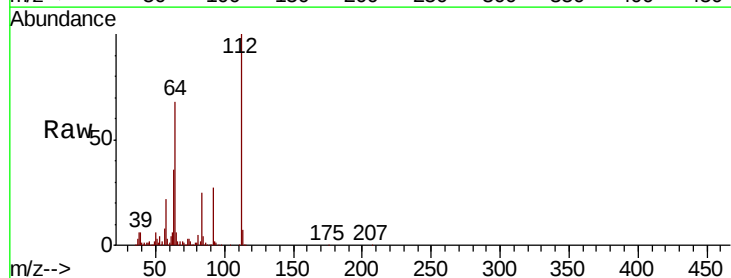
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



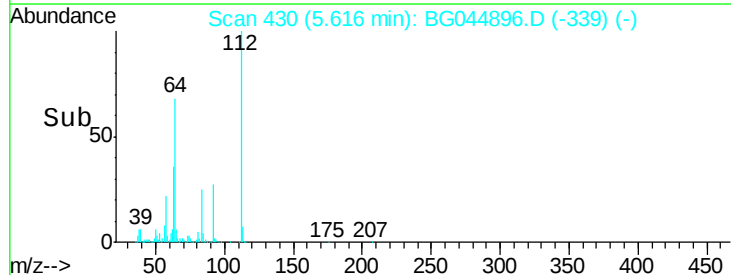
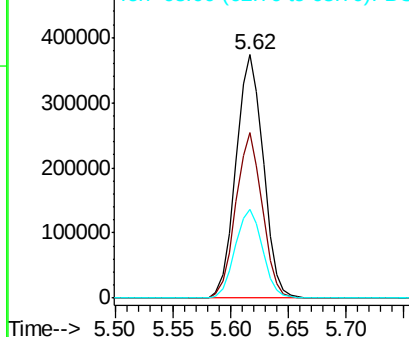
#5

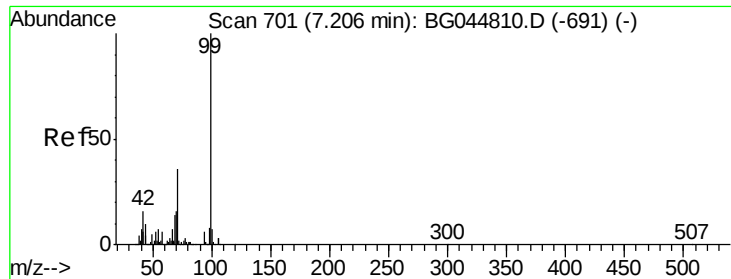
2-Fluorophenol
Concen: 116.034 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044896.D
Acq: 19 Mar 2020 13:39

Tgt Ion:112 Resp: 611025
Ion Ratio Lower Upper
112 100
64 67.8 53.4 80.2
63 36.2 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 100.581 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044896.D

Acq: 19 Mar 2020 13:39

Instrument :

BNA_G

ClientSampled :

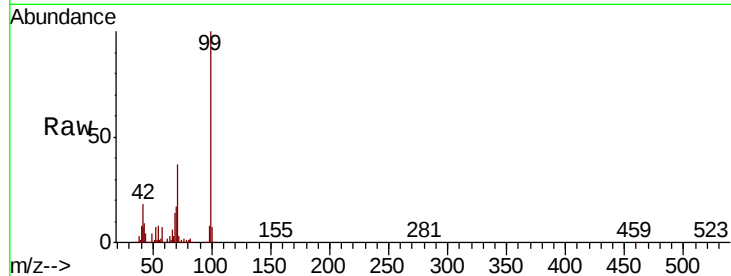
Tot Ion: 99 Resp: 769543

Ion Ratio Lower Upper

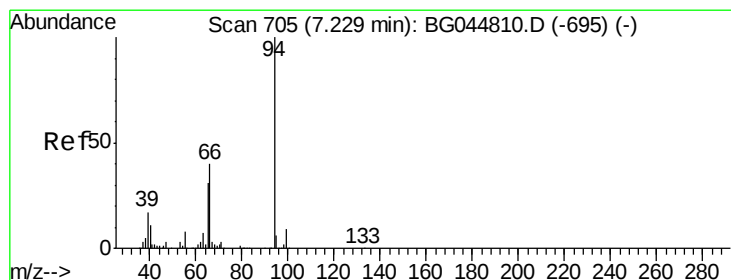
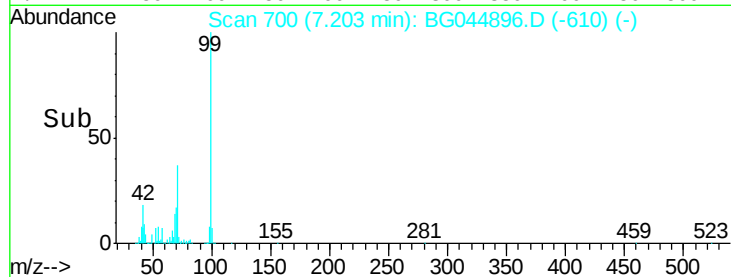
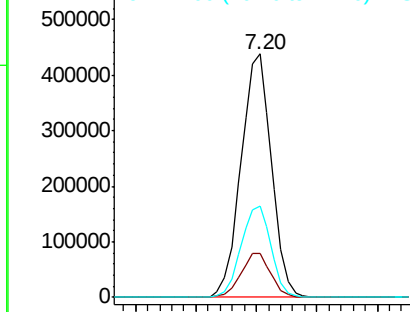
99 100

42 17.8 12.6 19.0

71 37.3 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



#10

Phenol

Concen: 2.062 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.00 min

Lab File: BG044896.D

Acq: 19 Mar 2020 13:39

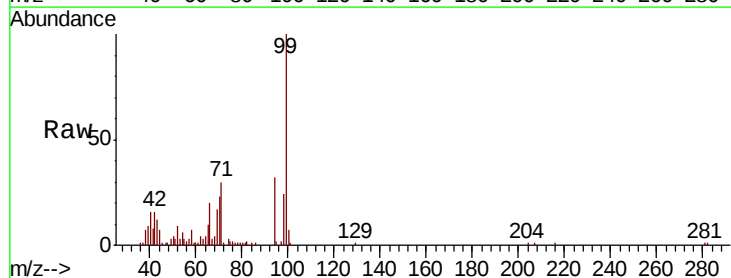
Tgt Ion: 94 Resp: 15619

Ion Ratio Lower Upper

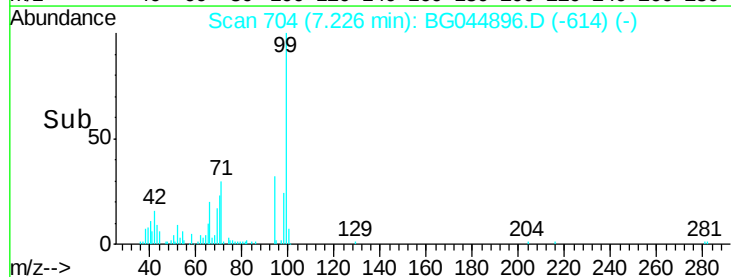
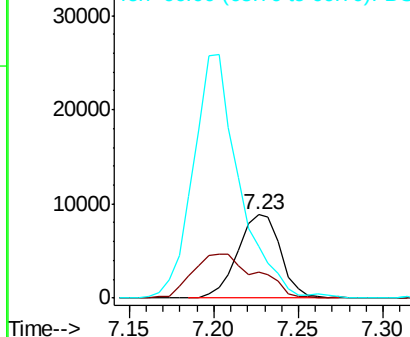
94 100

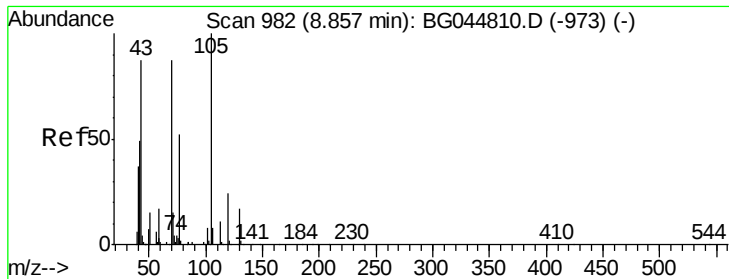
65 30.9 11.0 51.0

66 62.3 20.1 60.1#



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

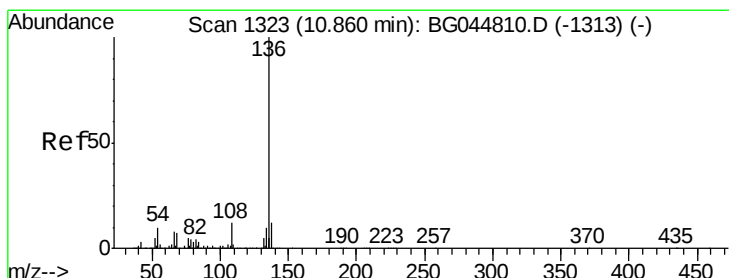
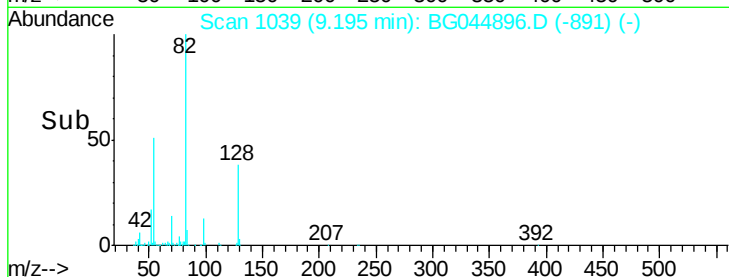
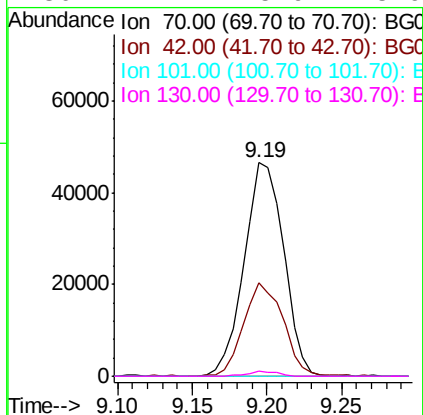
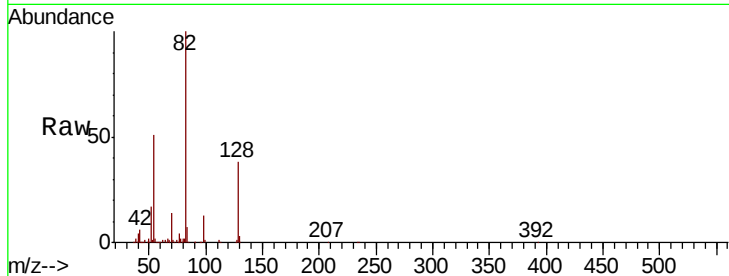




#19
 n-Nitroso-di-n-propylamine
 Concen: 15.793 ng
 RT: 9.19 min Scan# 1039
 Delta R.T. 0.34 min
 Lab File: BG044896.D
 Acq: 19 Mar 2020 13:39

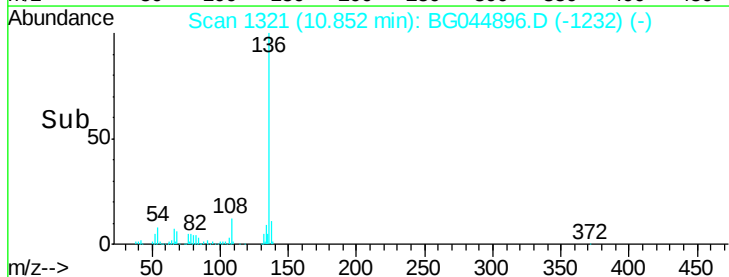
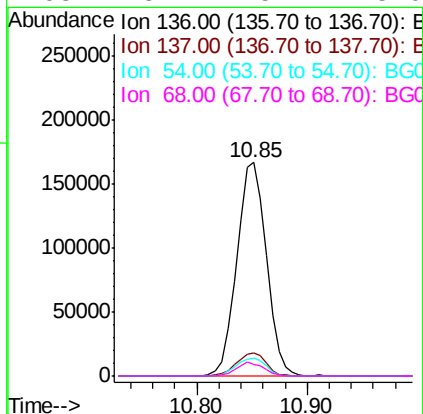
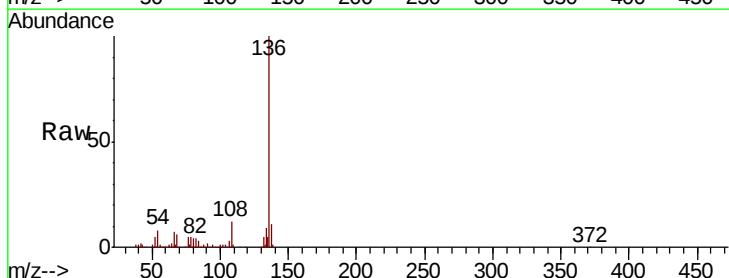
Instrument :
 BNA_G
 ClientSampleId :

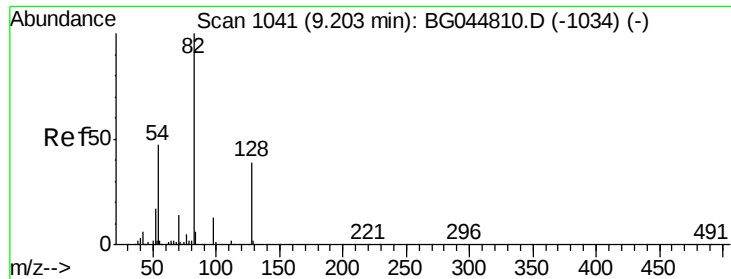
Tot Ion: 70 Resp: 85320
 Ion Ratio Lower Upper
 70 100
 42 43.5 45.7 68.5#
 101 0.0 7.4 11.2#
 130 2.4 15.9 23.9#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.85 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: BG044896.D
 Acq: 19 Mar 2020 13:39

Tgt Ion:136 Resp: 314163
 Ion Ratio Lower Upper
 136 100
 137 10.8 9.8 14.6
 54 8.3 7.9 11.9
 68 5.7 5.4 8.0

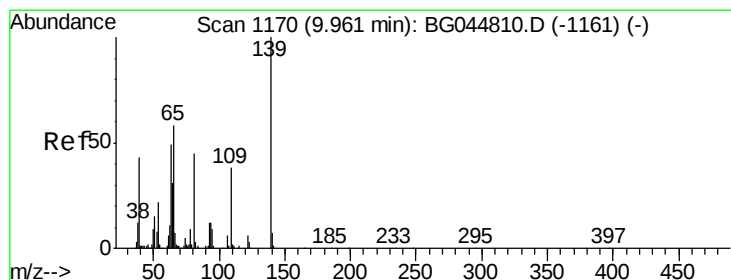
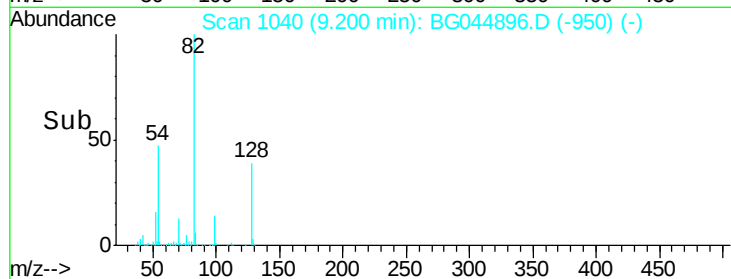
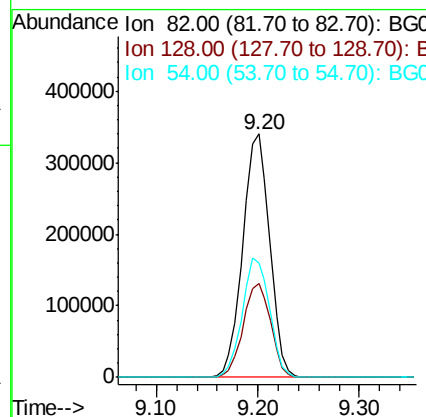
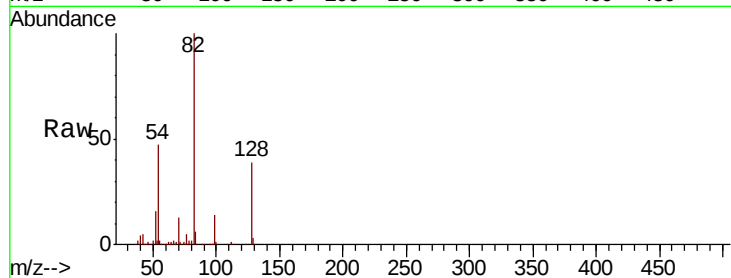




#23
 Nitrobenzene-d5
 Concen: 87.552 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BG044896.D
 Acq: 19 Mar 2020 13:39

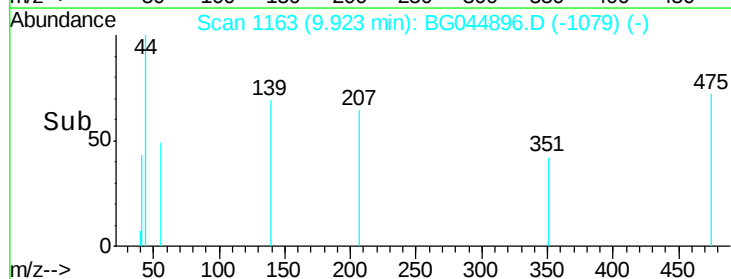
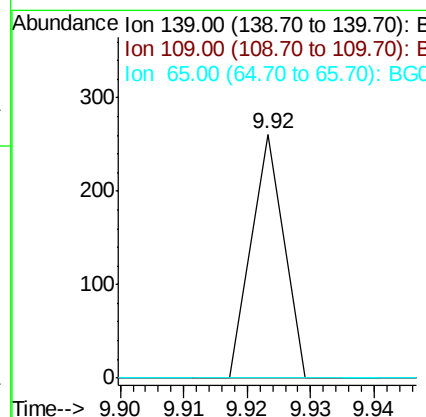
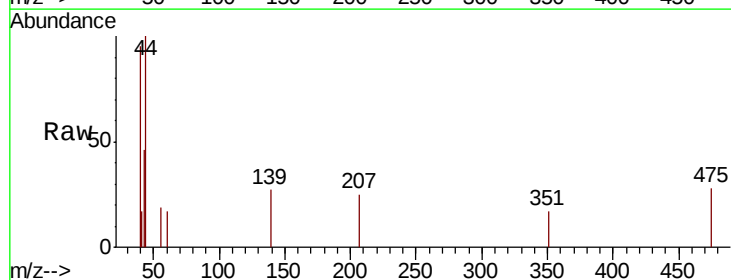
Instrument :
 BNA_G
 ClientSampled :

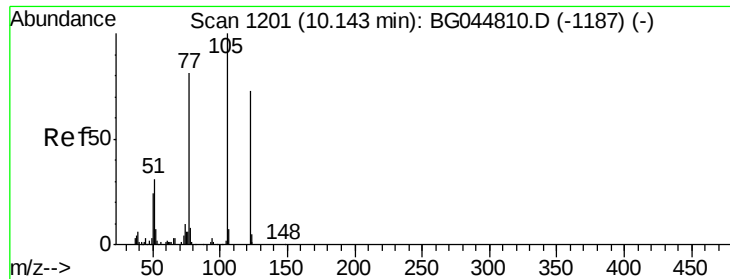
Tot Ion	82	Resp	626819
Ion Ratio	Lower	Upper	
82	100		
128	38.6	30.6	46.0
54	47.2	37.1	55.7



#26
 2-Nitrophenol
 Concen: 5.547 ng
 RT: 9.92 min Scan# 1163
 Delta R.T. -0.04 min
 Lab File: BG044896.D
 Acq: 19 Mar 2020 13:39

Tgt Ion	139	Resp	92
Ion Ratio	Lower	Upper	
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#

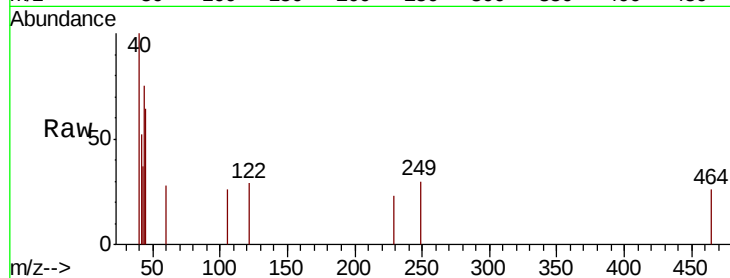




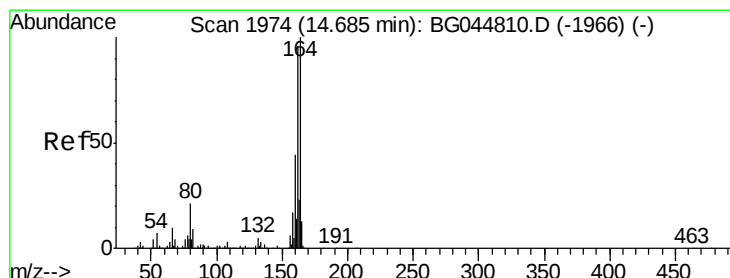
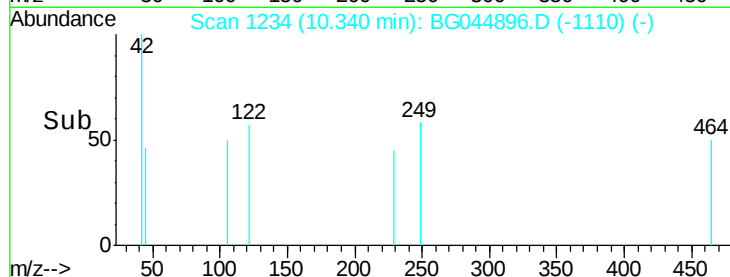
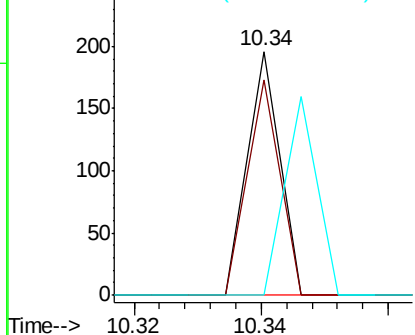
#32
Benzoic acid
Concen: 9.685 ng
RT: 10.34 min Scan# 1234
Delta R.T. 0.20 min
Lab File: BG044896.D
Acq: 19 Mar 2020 13:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 69
Ion Ratio Lower Upper
122 100
105 88.3 109.1 149.1#
77 0.0 85.3 125.3#

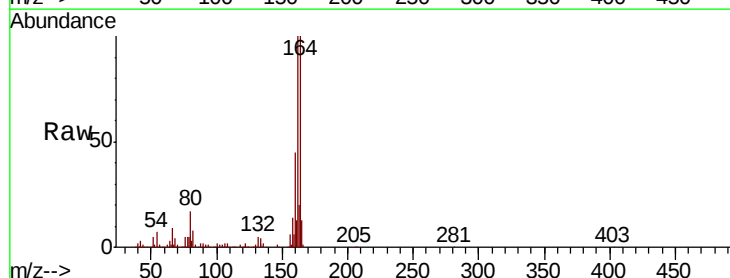


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

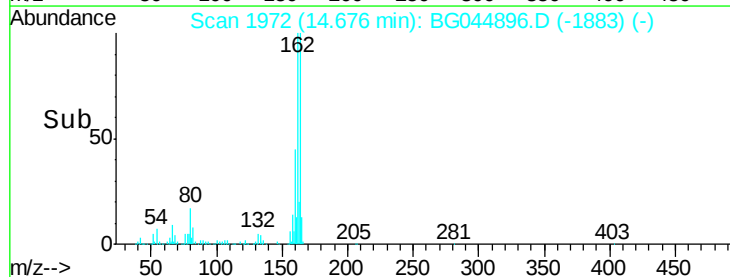
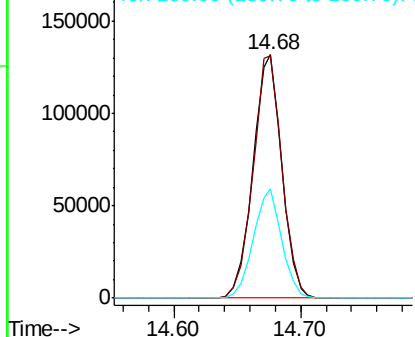


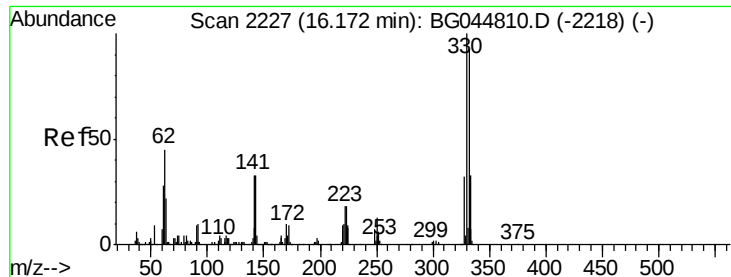
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG044896.D
Acq: 19 Mar 2020 13:39

Tgt Ion:164 Resp: 207504
Ion Ratio Lower Upper
164 100
162 99.5 76.7 115.1
160 45.0 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

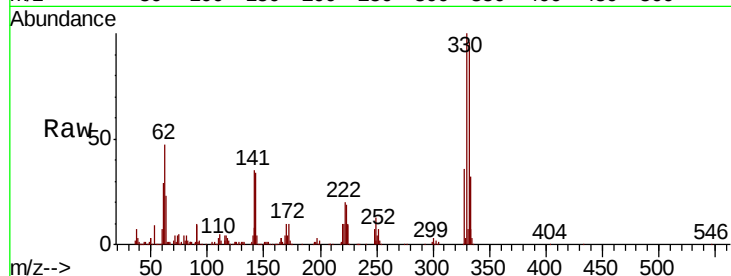




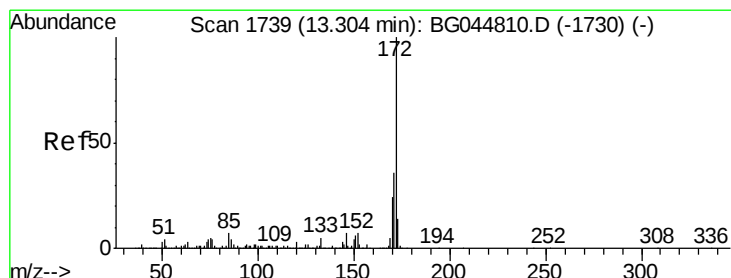
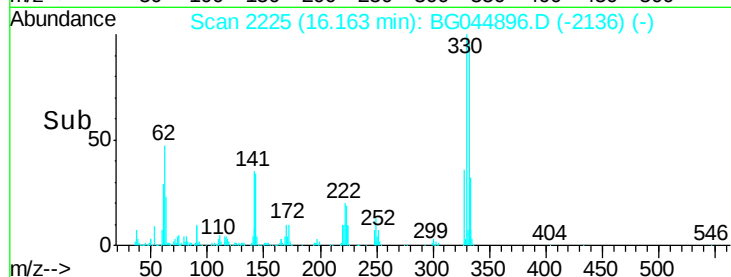
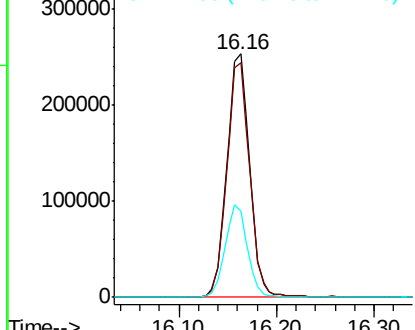
#42
2,4,6-Tribromophenol
Concen: 150.755 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BG044896.D
Acq: 19 Mar 2020 13:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.8	116.6
141	37.1	29.5	44.3

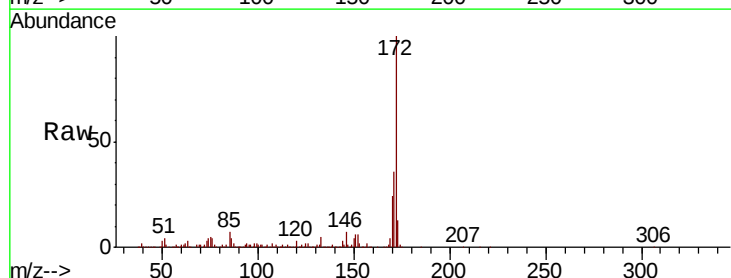


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

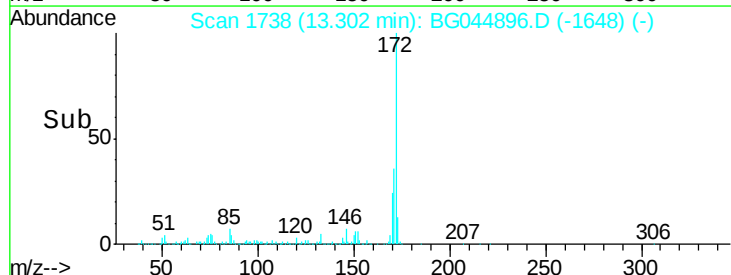
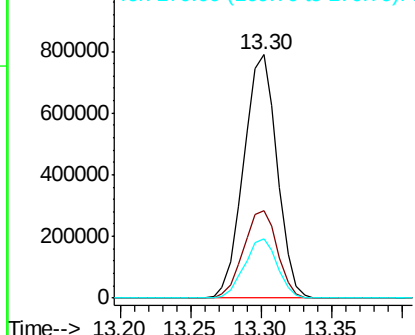


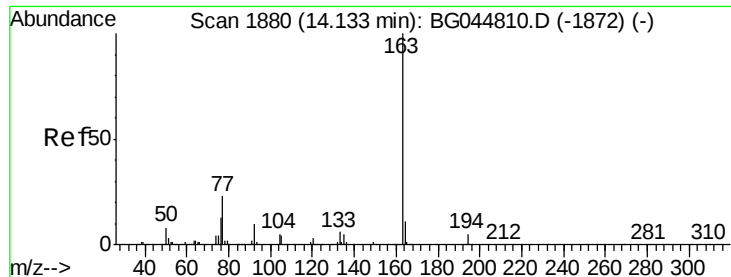
#45
2-Fluorobiphenyl
Concen: 90.272 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044896.D
Acq: 19 Mar 2020 13:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.7	43.1
170	24.1	19.0	28.6



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

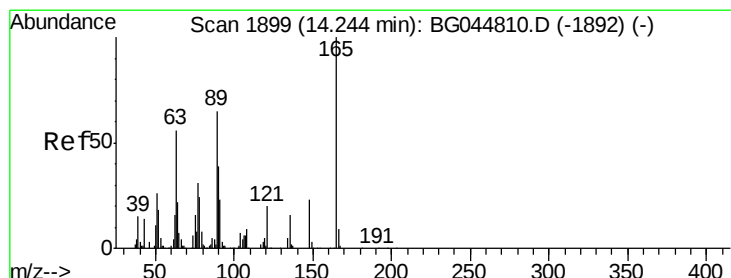
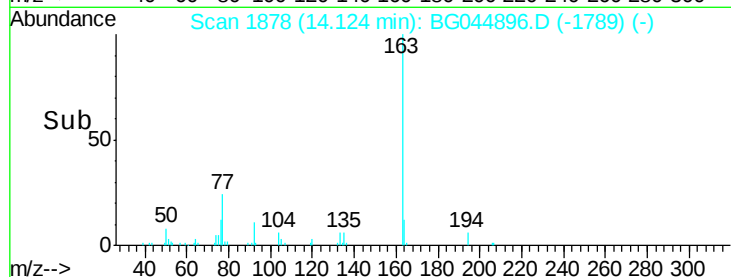
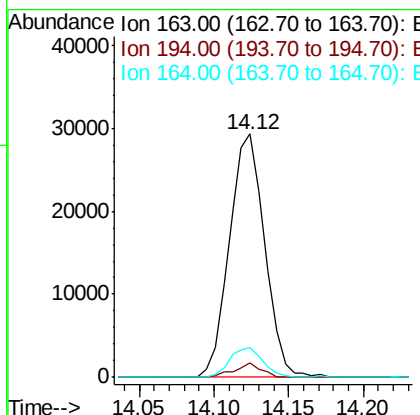
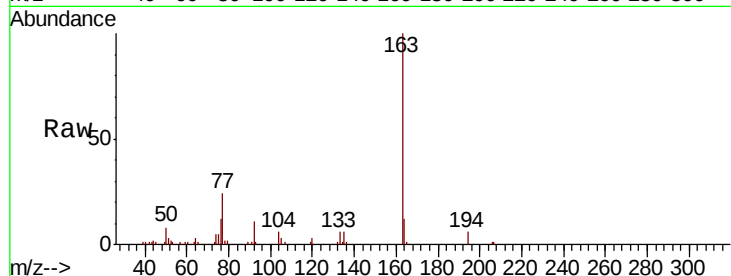




#50
Dimethylphthalate
Concen: 2.932 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044896.D
Acq: 19 Mar 2020 13:39

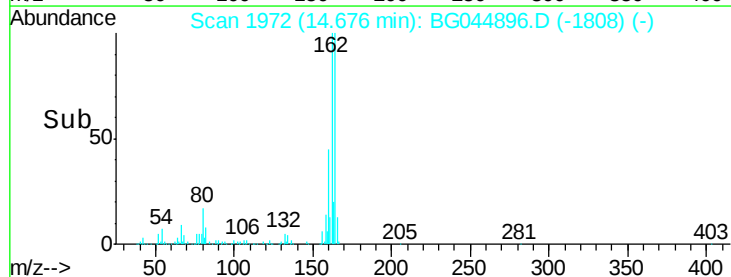
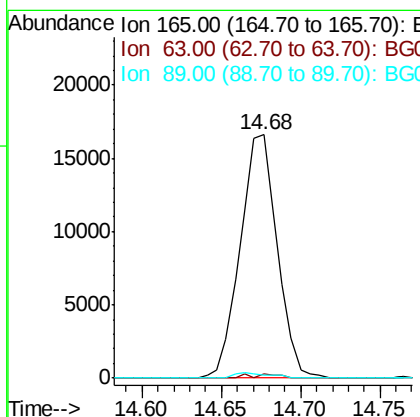
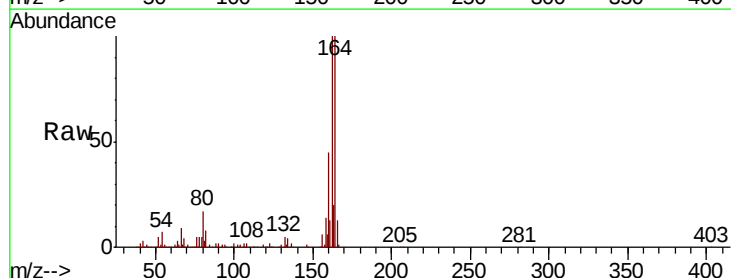
Instrument :
BNA_G
ClientSampleId :

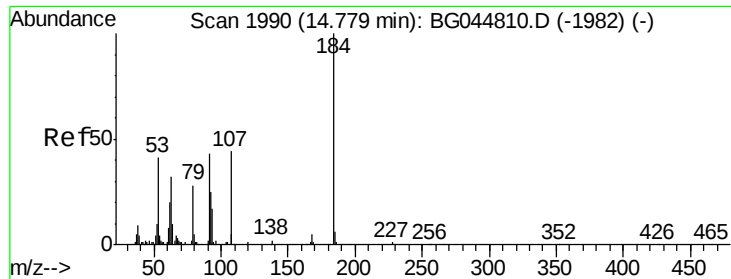
Tot Ion	Ratio	Lower	Upper
163	100		
194	6.1	3.7	5.5#
164	12.3	9.1	13.7



#51
2,6-Dinitrotoluene
Concen: 8.070 ng
RT: 14.68 min Scan# 1972
Delta R.T. 0.43 min
Lab File: BG044896.D
Acq: 19 Mar 2020 13:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	45.8	68.8#
89	1.2	51.8	77.6#

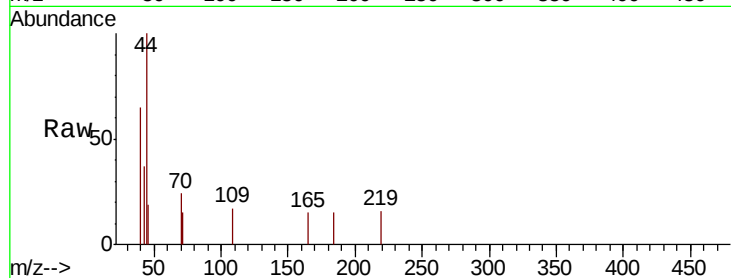




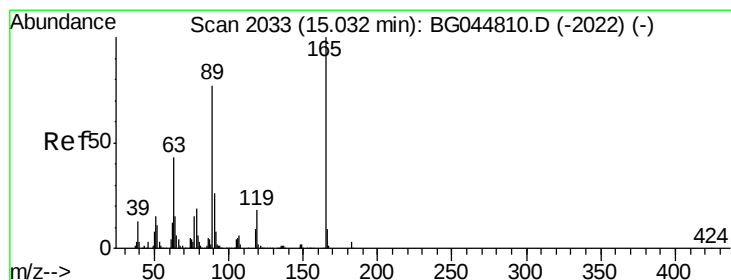
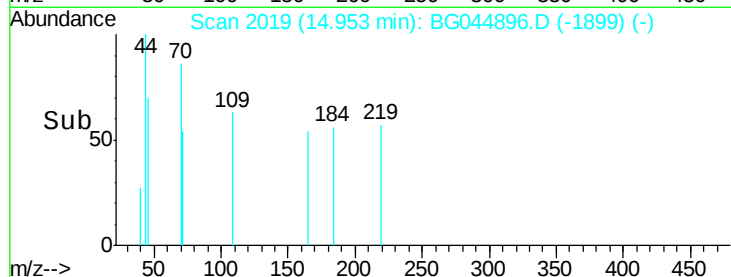
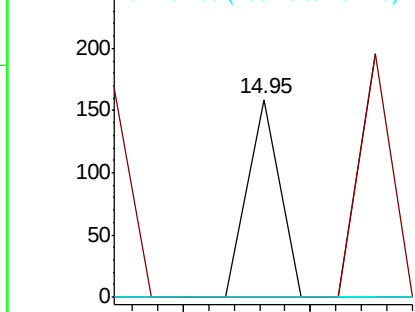
#54
2,4-Dinitrophenol
Concen: 8.352 ng
RT: 14.95 min Scan# 2019
Delta R.T. 0.17 min
Lab File: BG044896.D
Acq: 19 Mar 2020 13:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#

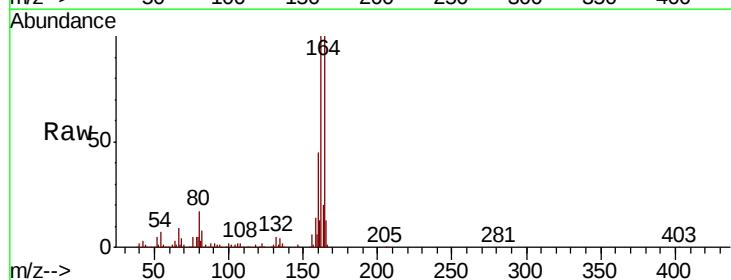


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

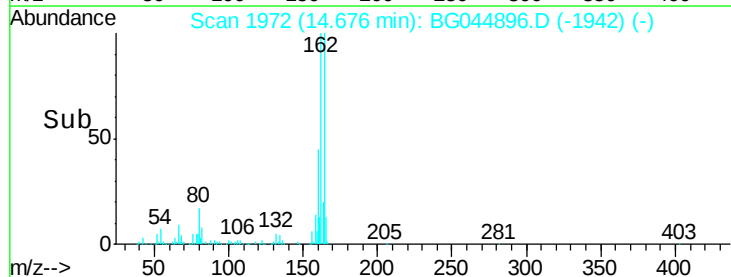
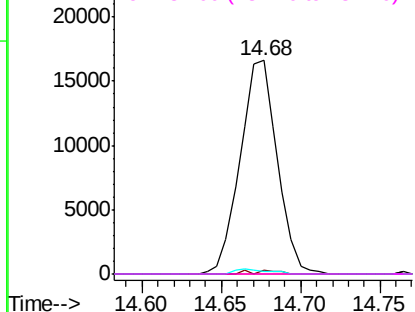


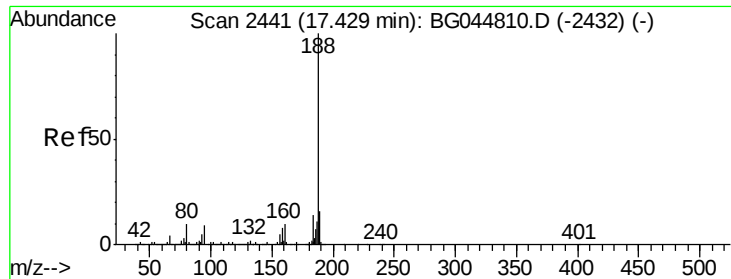
#57
2,4-Dinitrotoluene
Concen: 5.884 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044896.D
Acq: 19 Mar 2020 13:39

Tgt Ion:165 Resp: 26882
Ion Ratio Lower Upper
165 100
63 1.9 34.6 52.0#
89 1.2 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): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044896.D

Acq: 19 Mar 2020 13:39

Instrument :

BNA_G

ClientSampleId :

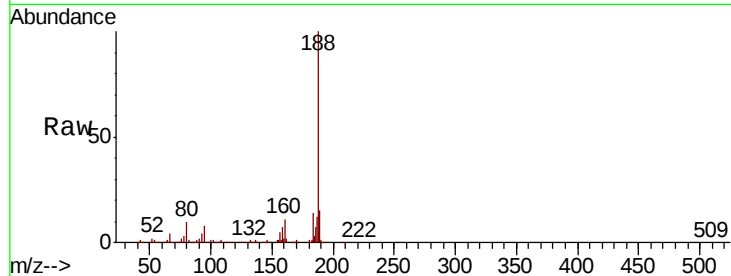
Tot Ion:188 Resp: 478283

Ion Ratio Lower Upper

188 100

94 7.8 7.3 10.9

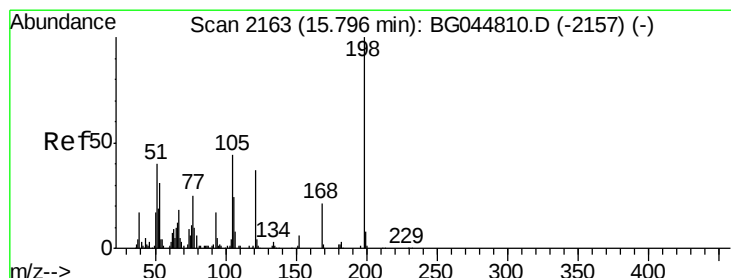
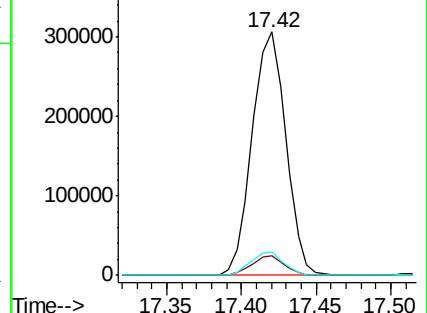
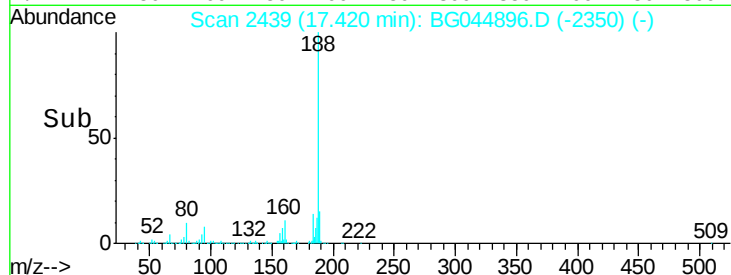
80 9.6 8.0 12.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.750 ng

RT: 15.93 min Scan# 2186

Delta R.T. 0.14 min

Lab File: BG044896.D

Acq: 19 Mar 2020 13:39

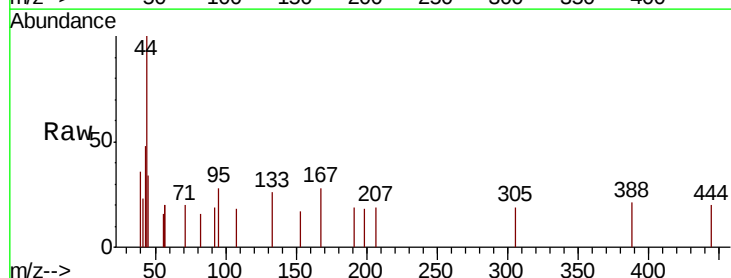
Tgt Ion:198 Resp: 59

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

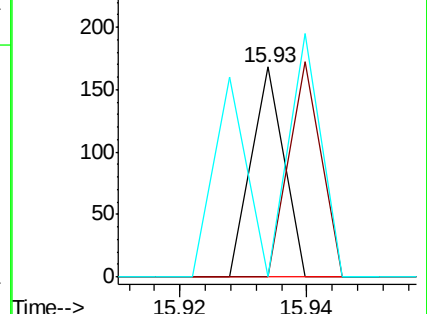
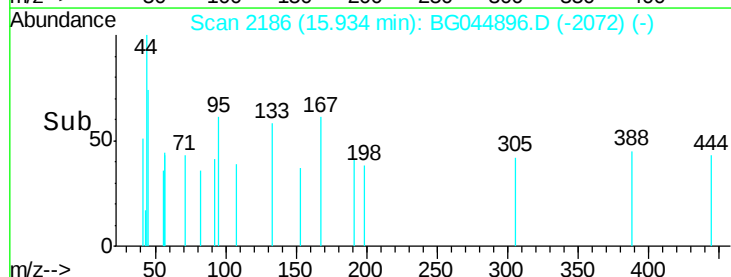
105 0.0 24.5 64.5#

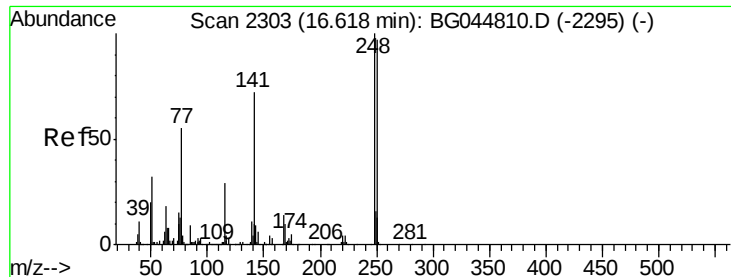


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

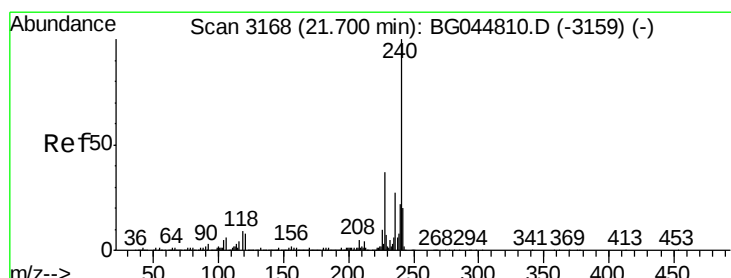
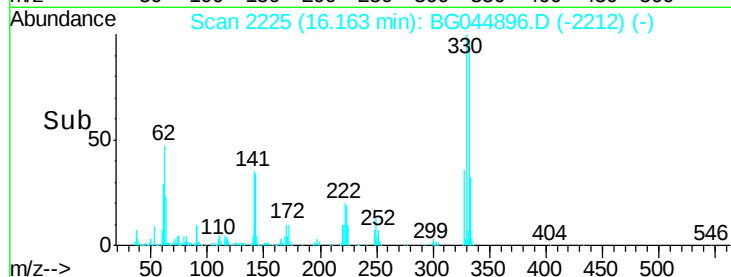
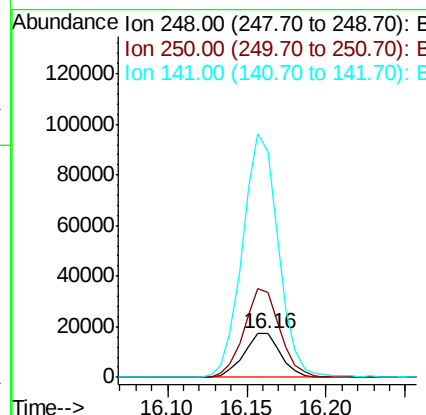
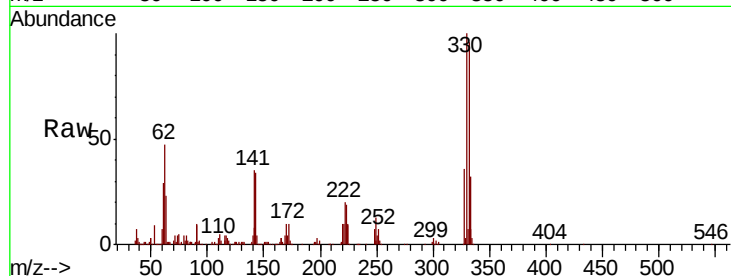




#67
 4-Bromophenyl-phenylether
 Concen: 4.658 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044896.D
 Acq: 19 Mar 2020 13:39

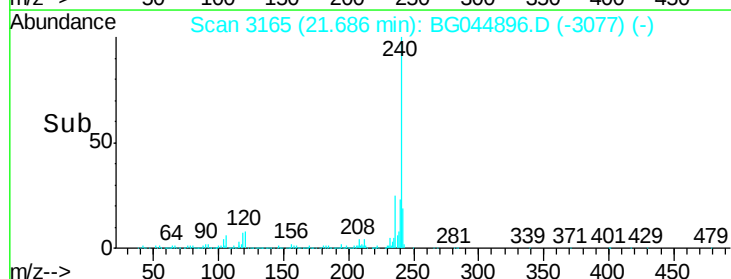
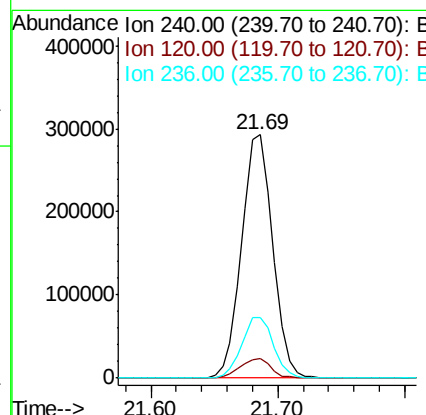
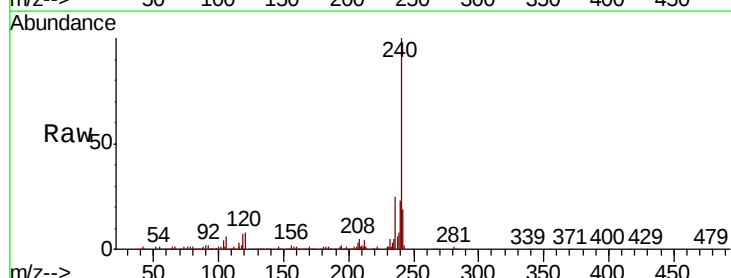
Instrument :
 BNA_G
 ClientSampleId :

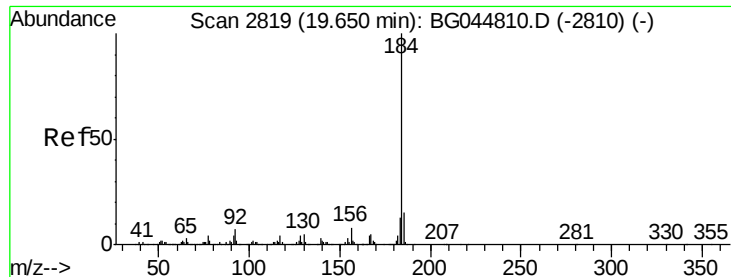
Tot Ion:248 Resp: 27851
 Ion Ratio Lower Upper
 248 100
 250 194.0 77.9 116.9#
 141 515.9 57.5 86.3#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG044896.D
 Acq: 19 Mar 2020 13:39

Tgt Ion:240 Resp: 496507
 Ion Ratio Lower Upper
 240 100
 120 7.8 6.7 10.1
 236 24.7 21.5 32.3





#77

Benzidine

Concen: 2.840 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.39 min

Lab File: BG044896.D

Acq: 19 Mar 2020 13:39

Instrument :

BNA_G

ClientSampleId :

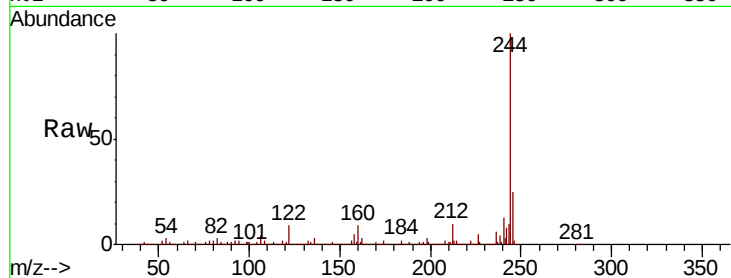
Tot Ion:184 Resp: 45769

Ion Ratio Lower Upper

184 100

185 17.5 12.2 18.4

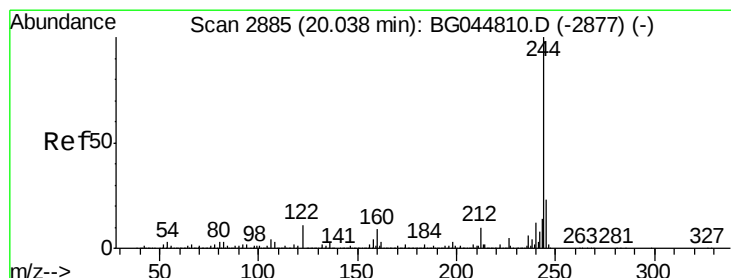
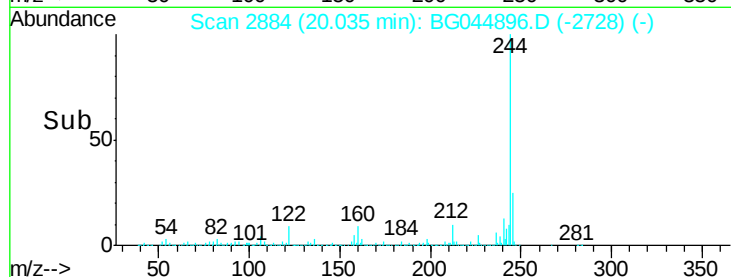
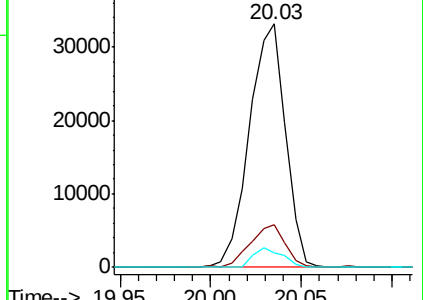
183 5.8 10.7 16.1#



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: 86.004 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044896.D

Acq: 19 Mar 2020 13:39

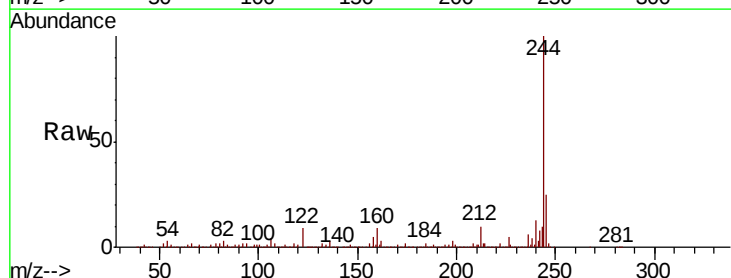
Tgt Ion:244 Resp: 2282826

Ion Ratio Lower Upper

244 100

212 9.7 7.7 11.5

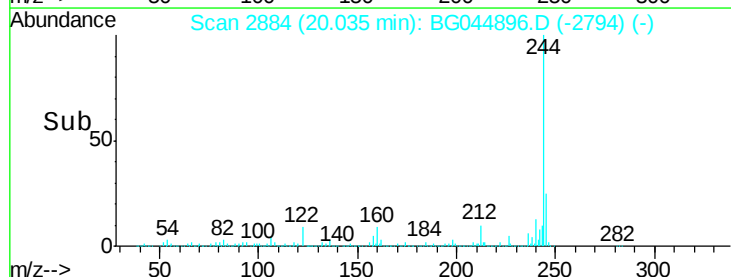
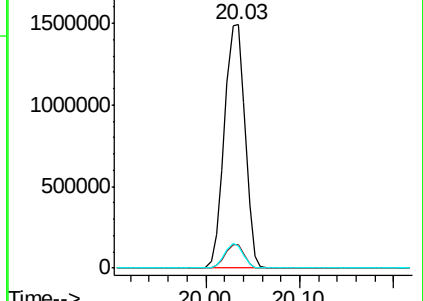
122 9.3 8.6 12.8

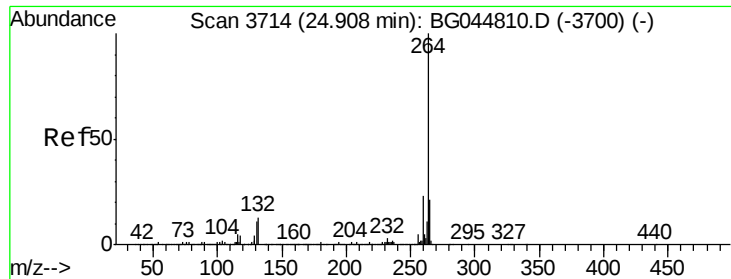


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3710
Delta R.T. -0.02 min
Lab File: BG044896.D
Acq: 19 Mar 2020 13:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.1	27.1
265	20.6	17.1	25.7

