

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032420\
 Data File : BG044946.D
 Acq On : 25 Mar 2020 2:40
 Operator : CG/JU
 Sample : L1994-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4A

Quant Time: Mar 25 08:08:53 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	77237	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	290324	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	193792	20.00	ng	-0.01
64) Phenanthrene-d10	17.41	188	451031	20.00	ng	-0.01
76) Chrysene-d12	21.69	240	460882	20.00	ng	-0.01
87) Perylene-d12	24.89	264	487334	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	650064	131.02	ng	0.00
7) Phenol-d6	7.20	99	800094	110.99	ng	0.00
23) Nitrobenzene-d5	9.19	82	688239	104.02	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	446777	176.08	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1458618	107.79	ng	0.00
79) Terphenyl-d14	20.03	244	2369365	96.16	ng	0.00

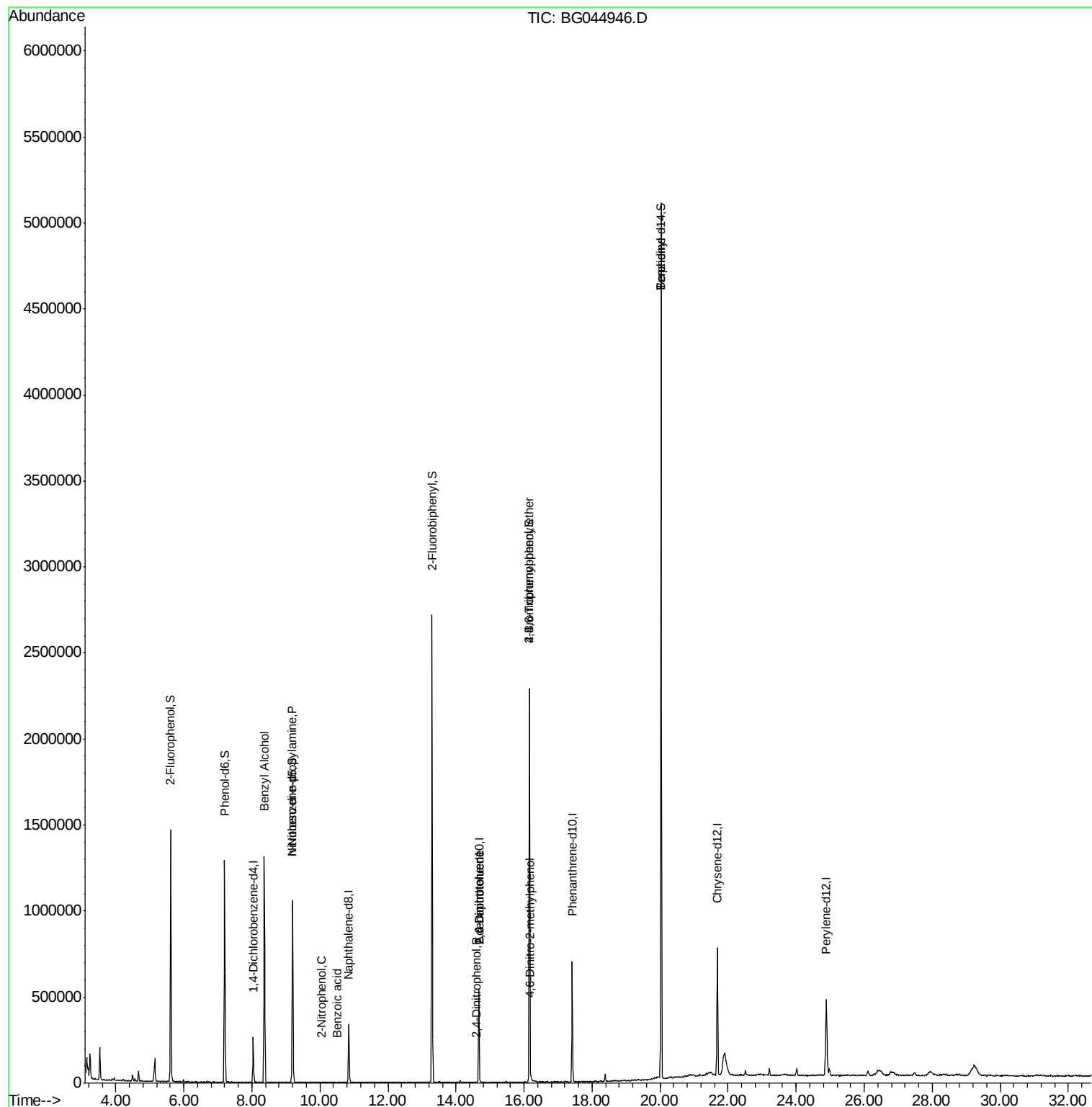
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	2062	Below Cal	#	6
15) Benzyl Alcohol	8.37	79	12590	2.18 ng	#	59
19) n-Nitroso-di-n-propylamine	9.19	70	91896	18.05 ng	#	78
26) 2-Nitrophenol	10.06	139	54	5.54 ng	#	28
32) Benzoic acid	10.51	122	56	9.68 ng	#	1
51) 2,6-Dinitrotoluene	14.67	165	25272	8.12 ng	#	22
54) 2,4-Dinitrophenol	14.61	184	65	8.36 ng	#	21
57) 2,4-Dinitrotoluene	14.67	165	25272	5.92 ng	#	23
65) 4,6-Dinitro-2-methylphenol	16.19	198	98	7.77 ng	#	76
67) 4-Bromophenyl-phenylether	16.16	248	32010	5.68 ng	#	1
77) Benzidine	20.03	184	46370	3.10 ng	#	91

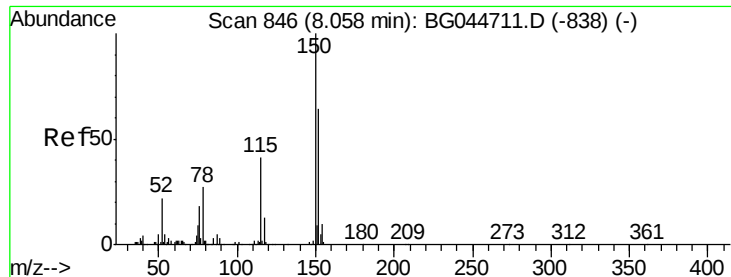
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 23 07:18:46 2020
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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: BG044946.D

Acq: 25 Mar 2020 2:40

Instrument :

BNA_G

ClientSampleId :

TP-4A

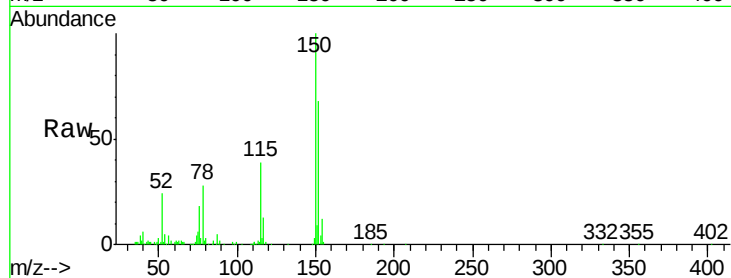
Tgt Ion:152 Resp: 77237

Ion Ratio Lower Upper

152 100

150 146.8 128.8 193.2

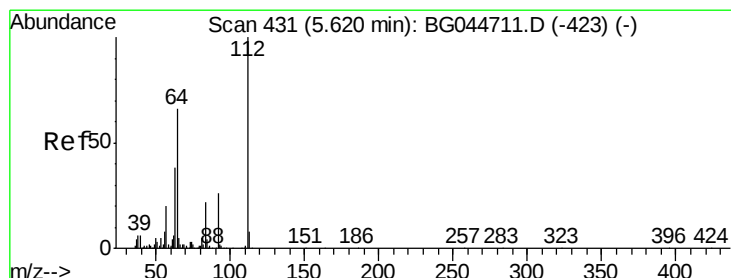
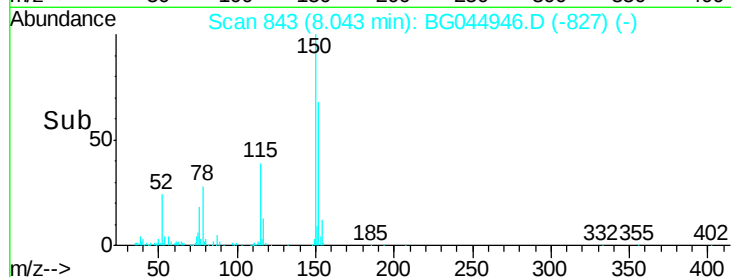
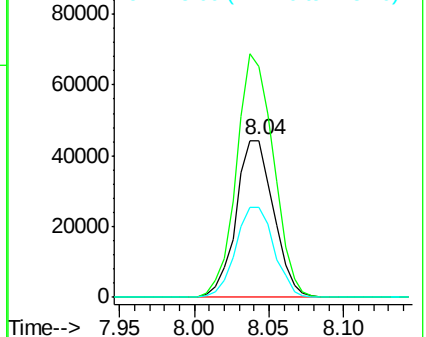
115 57.0 52.6 79.0



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: 131.02 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044946.D

Acq: 25 Mar 2020 2:40

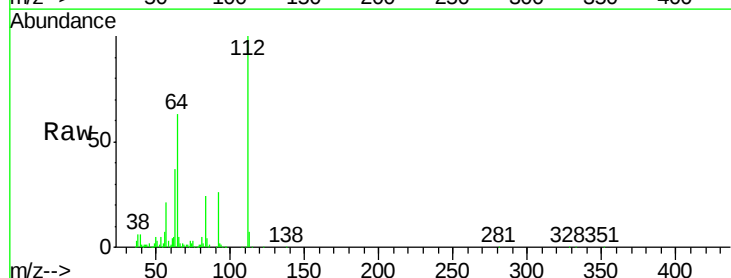
Tgt Ion:112 Resp: 650064

Ion Ratio Lower Upper

112 100

64 63.1 53.4 80.2

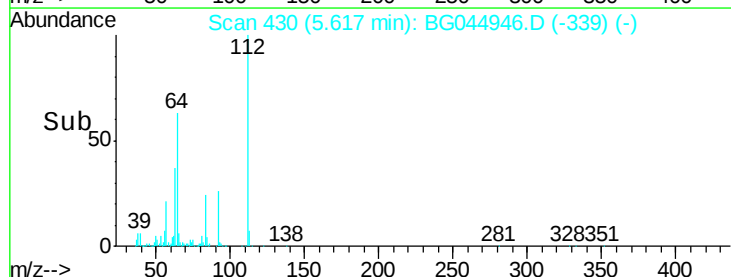
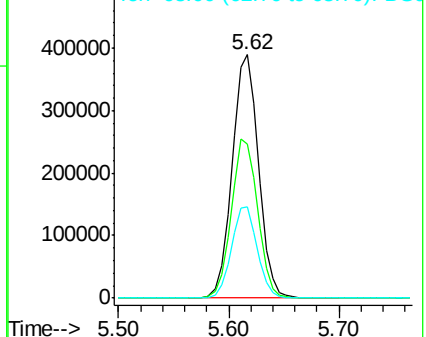
63 37.4 29.4 44.2

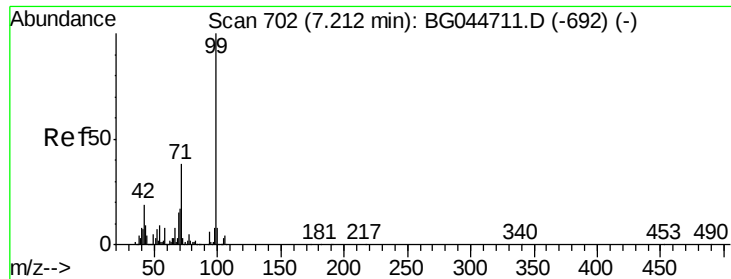


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 110.99 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG044946.D

Acq: 25 Mar 2020 2:40

Instrument :

BNA_G

ClientSampleId :

TP-4A

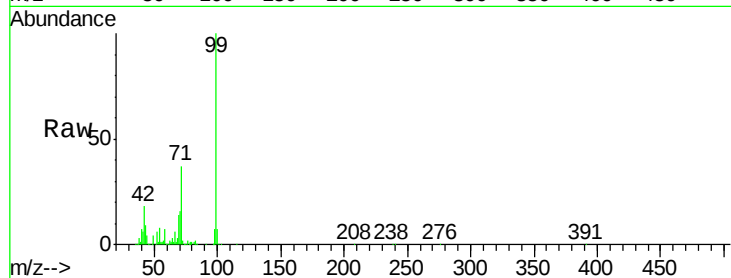
Tgt Ion: 99 Resp: 800094

Ion Ratio Lower Upper

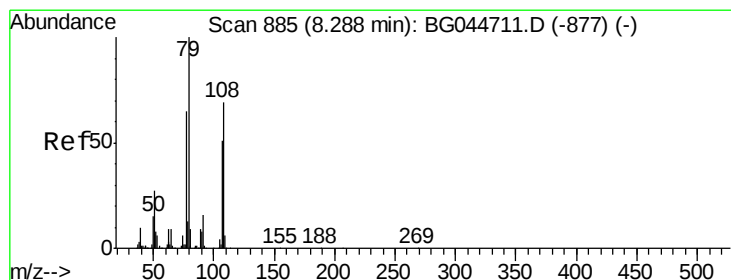
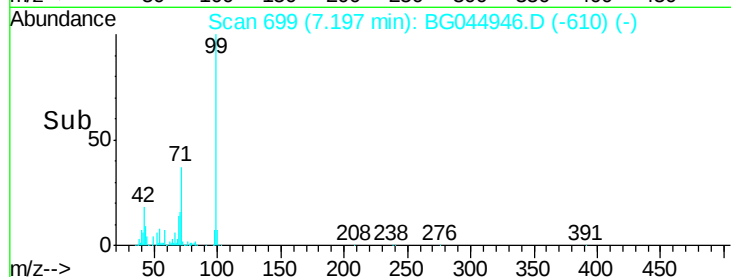
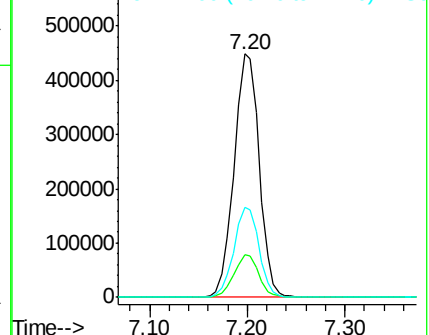
99 100

42 17.6 12.6 19.0

71 37.0 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



#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 8.37 min Scan# 898

Delta R.T. 0.09 min

Lab File: BG044946.D

Acq: 25 Mar 2020 2:40

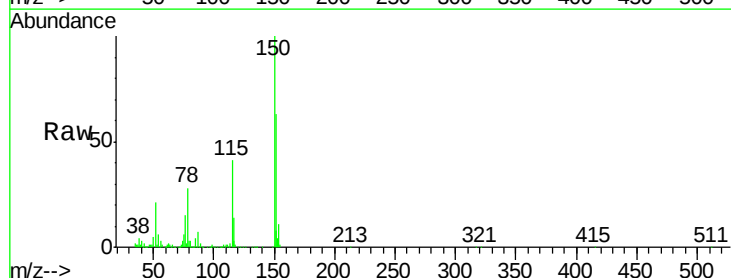
Tgt Ion: 79 Resp: 12590

Ion Ratio Lower Upper

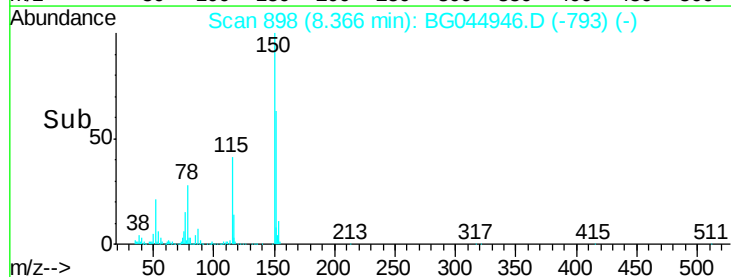
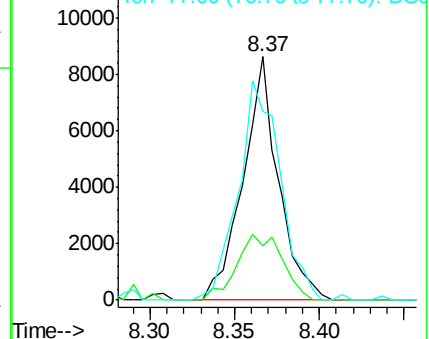
79 100

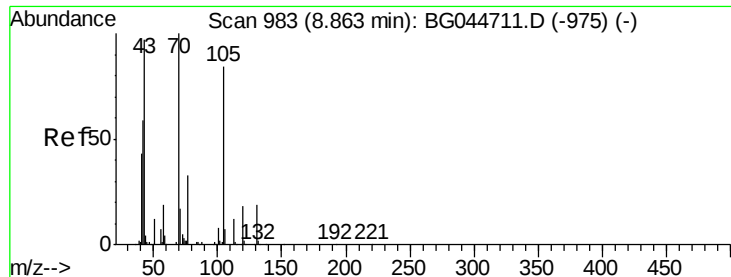
108 22.3 53.8 80.8#

77 77.4 47.8 71.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

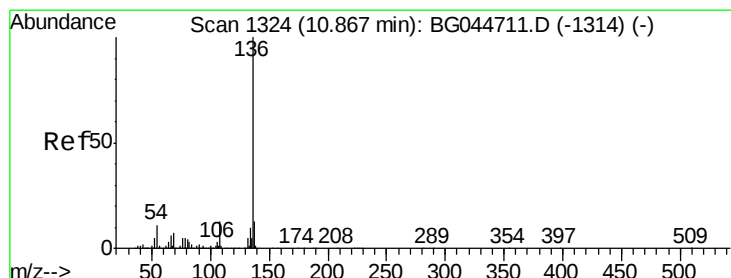
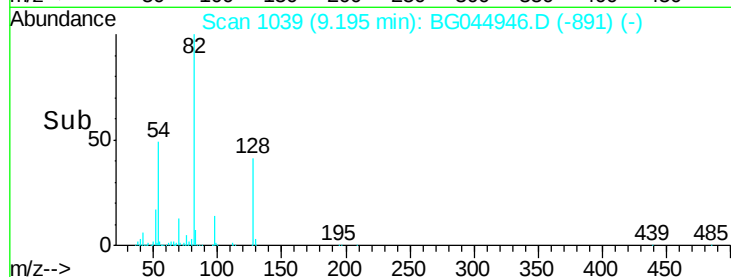
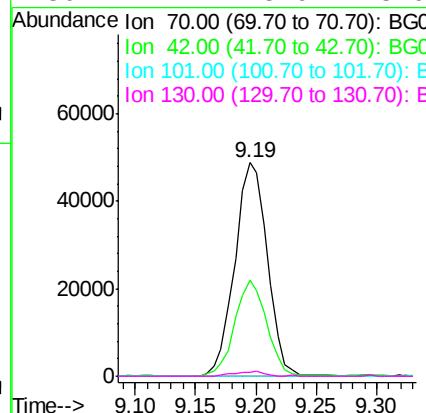
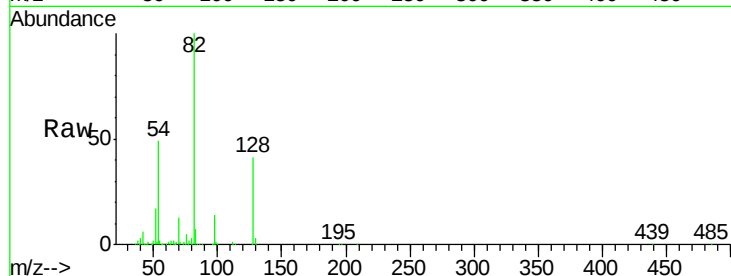




#19
n-Nitroso-di-n-propylamine
Concen: 18.05 ng
RT: 9.19 min Scan# 1039
Delta R.T. 0.34 min
Lab File: BG044946.D
Acq: 25 Mar 2020 2:40

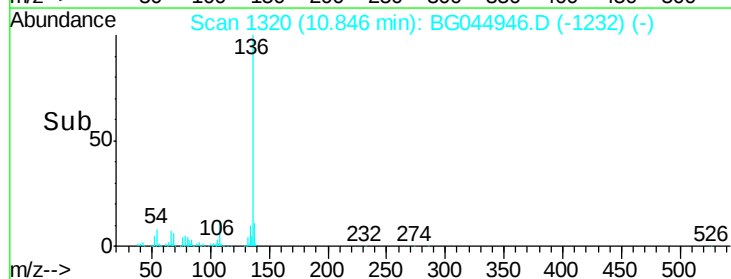
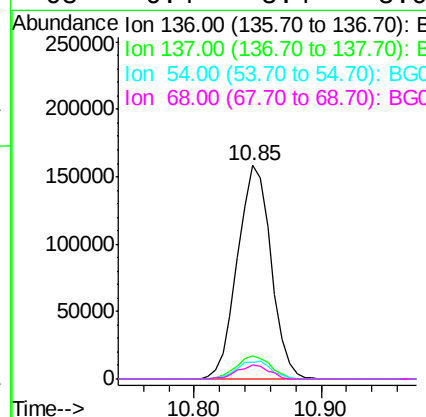
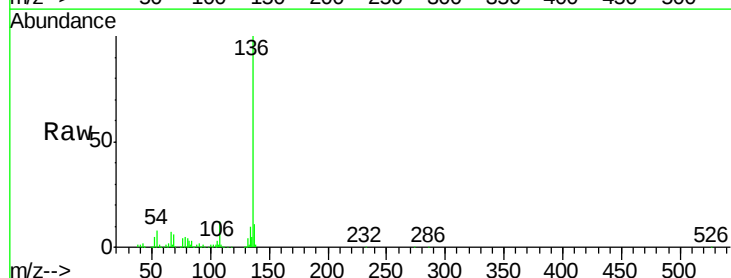
Instrument :
BNA_G
ClientSampleId :
TP-4A

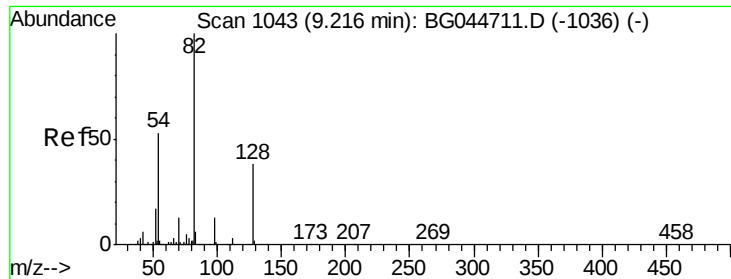
Tgt Ion: 70 Resp: 91896
Ion Ratio Lower Upper
70 100
42 45.1 45.7 68.5#
101 0.0 7.4 11.2#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BG044946.D
Acq: 25 Mar 2020 2:40

Tgt Ion: 136 Resp: 290324
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 7.7 7.9 11.9#
68 6.4 5.4 8.0

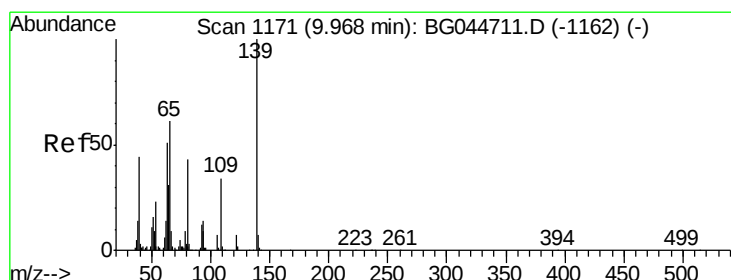
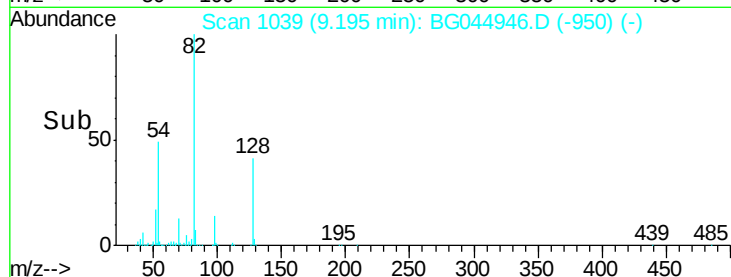
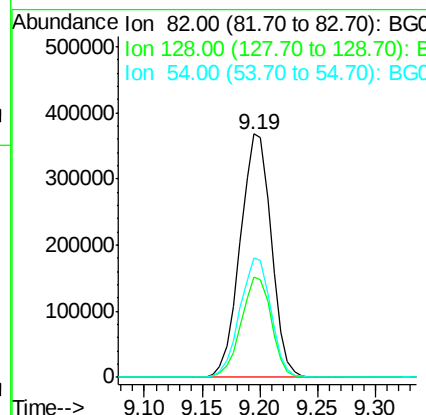
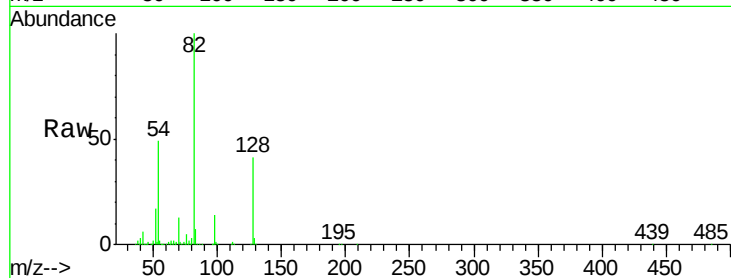




#23
 Nitrobenzene-d5
 Concen: 104.02 ng
 RT: 9.19 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BG044946.D
 Acq: 25 Mar 2020 2:40

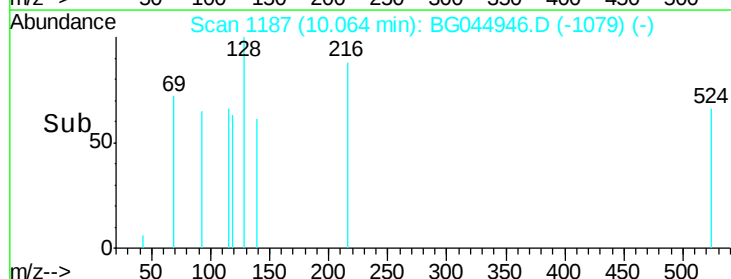
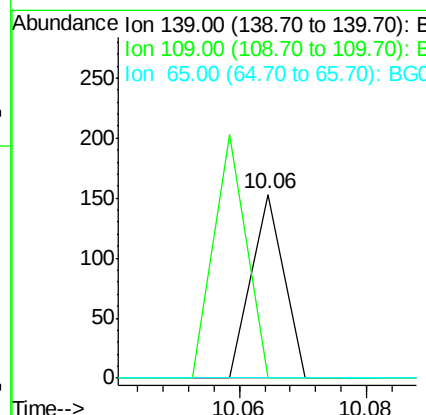
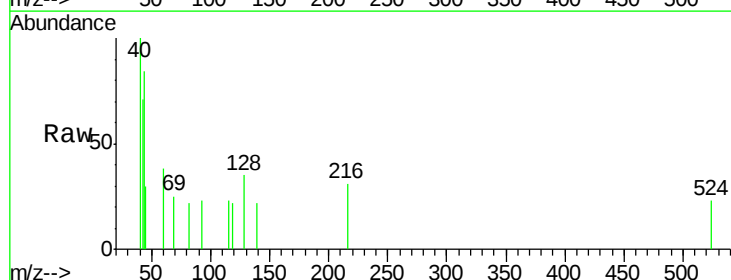
Instrument :
 BNA_G
 ClientSampled :
 TP-4A

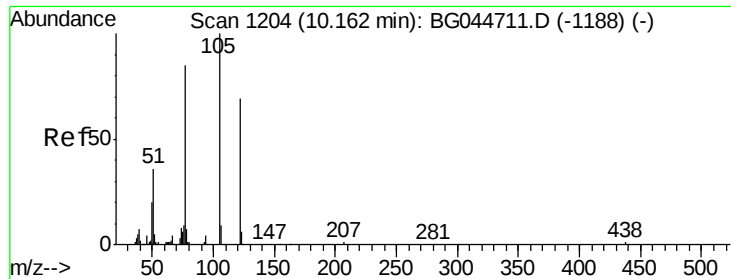
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.2	30.6	46.0
54	49.0	37.1	55.7



#26
 2-Nitrophenol
 Concen: 5.54 ng
 RT: 10.06 min Scan# 1187
 Delta R.T. 0.10 min
 Lab File: BG044946.D
 Acq: 25 Mar 2020 2:40

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

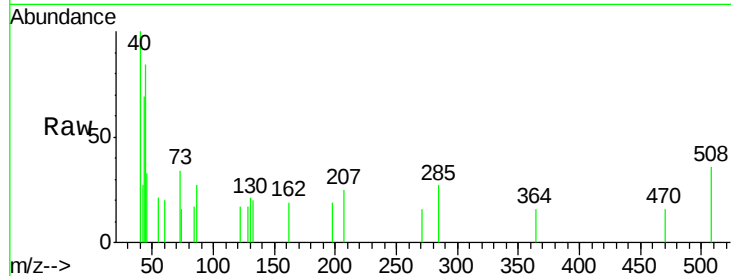




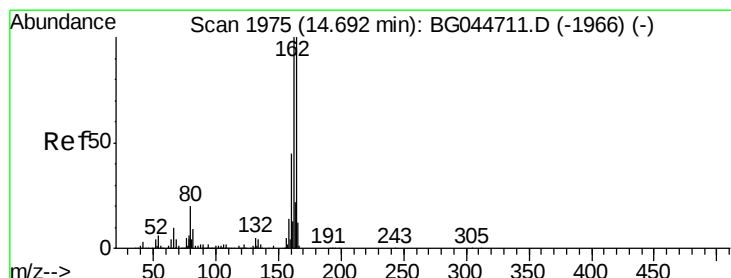
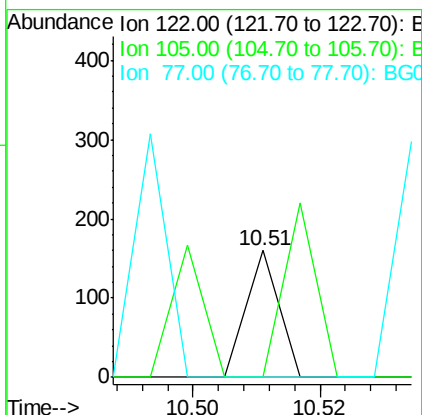
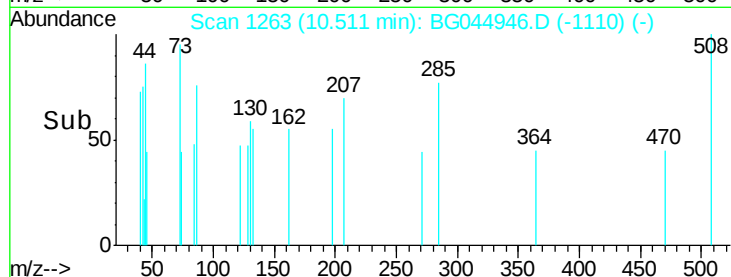
#32
Benzoic acid
Concen: 9.68 ng
RT: 10.51 min Scan# 1263
Delta R.T. 0.37 min
Lab File: BG044946.D
Acq: 25 Mar 2020 2:40

Instrument :
BNA_G
ClientSampleId :
TP-4A

Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 109.1 149.1#
77 0.0 85.3 125.3#

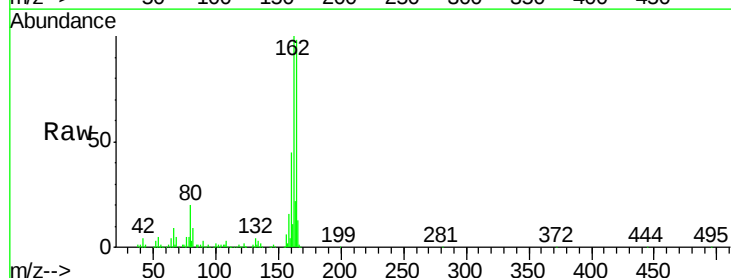


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

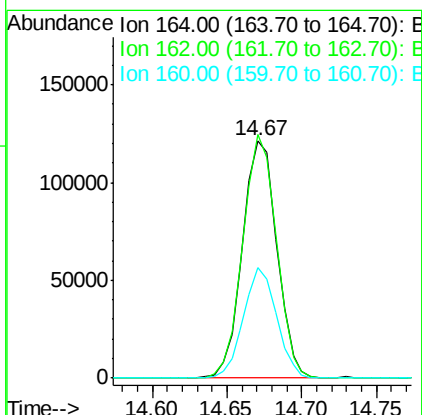
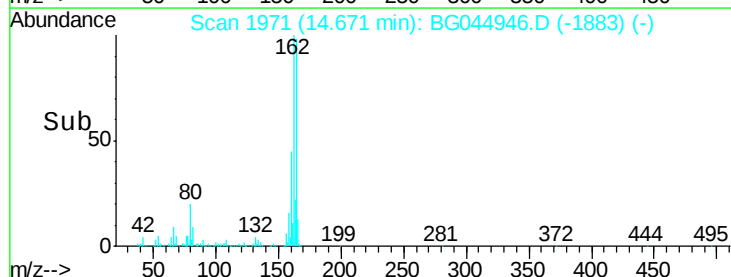


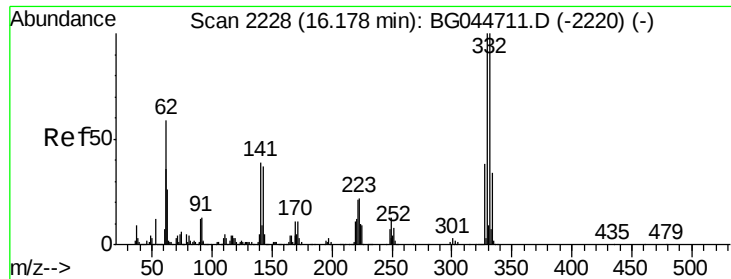
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.01 min
Lab File: BG044946.D
Acq: 25 Mar 2020 2:40

Tgt Ion:164 Resp: 193792
Ion Ratio Lower Upper
164 100
162 102.5 76.7 115.1
160 46.6 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

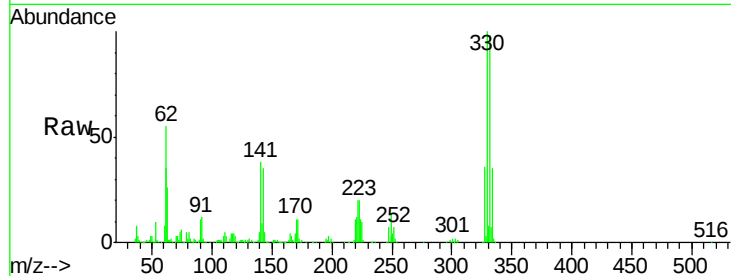




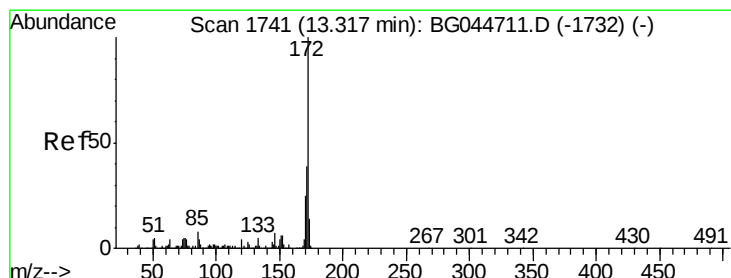
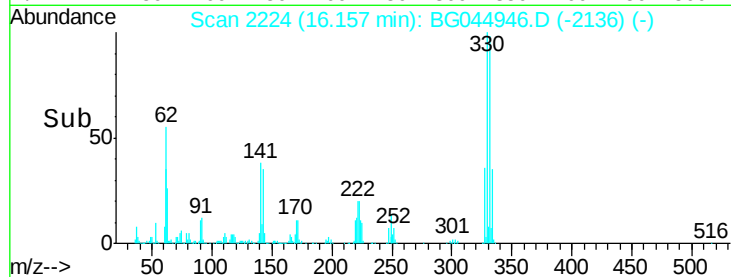
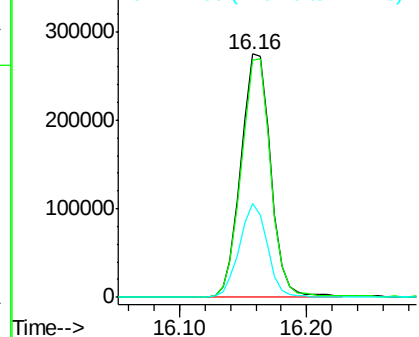
#42
 2,4,6-Tribromophenol
 Concen: 176.08 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG044946.D
 Acq: 25 Mar 2020 2:40

Instrument :
 BNA_G
 ClientSampleId :
 TP-4A

Tgt Ion:330 Resp: 446777
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.8 116.6
 141 36.5 29.5 44.3

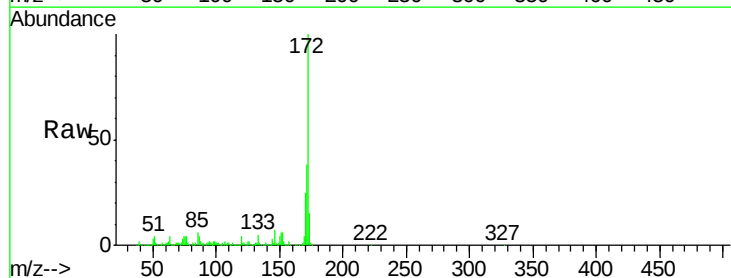


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

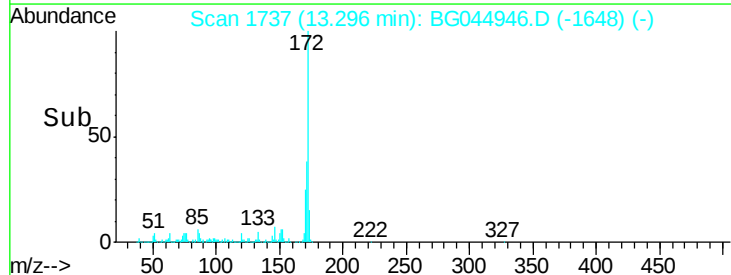
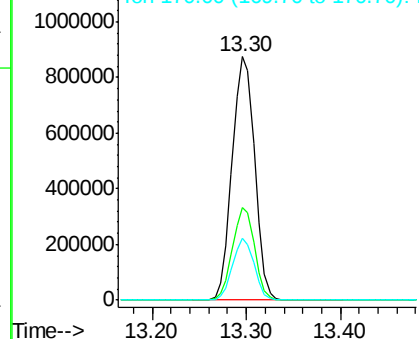


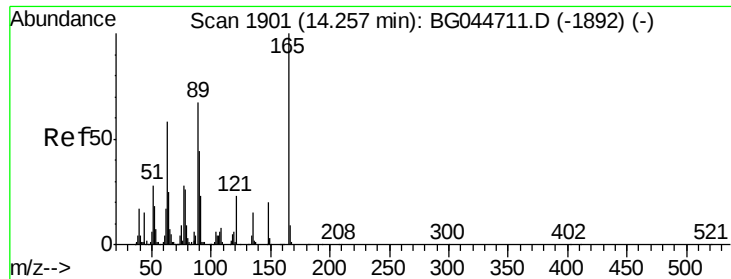
#45
 2-Fluorobiphenyl
 Concen: 107.79 ng
 RT: 13.30 min Scan# 1737
 Delta R.T. -0.01 min
 Lab File: BG044946.D
 Acq: 25 Mar 2020 2:40

Tgt Ion:172 Resp: 1458618
 Ion Ratio Lower Upper
 172 100
 171 37.9 28.7 43.1
 170 25.3 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

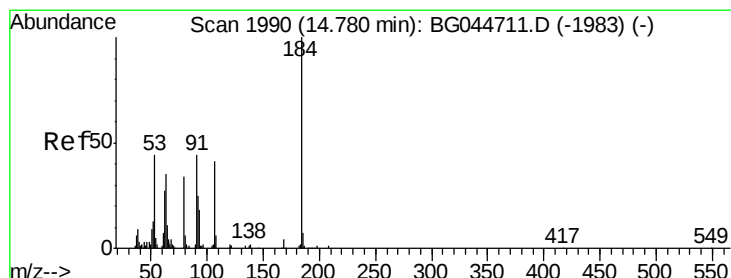
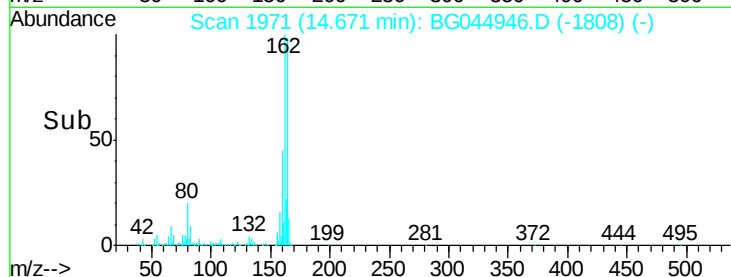
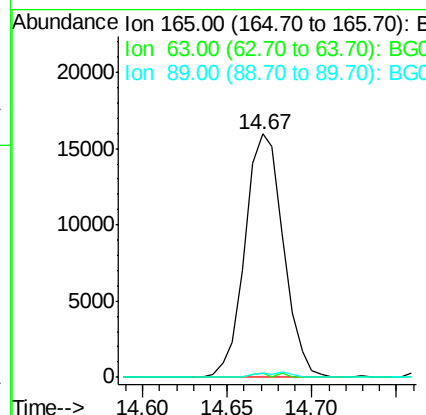
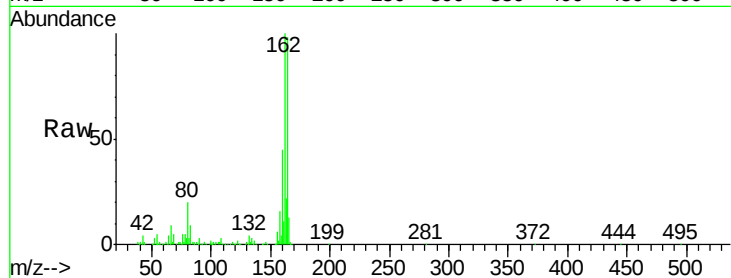




#51
2,6-Dinitrotoluene
Concen: 8.12 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.43 min
Lab File: BG044946.D
Acq: 25 Mar 2020 2:40

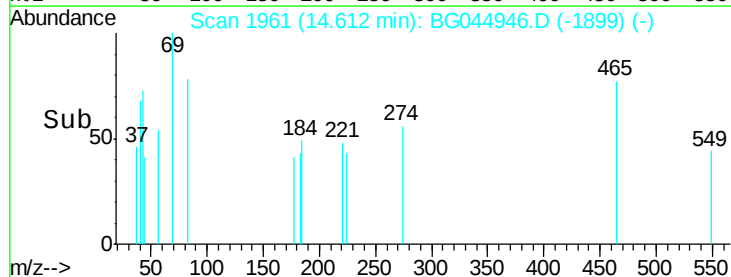
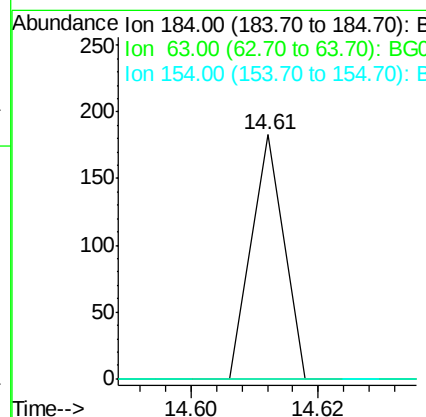
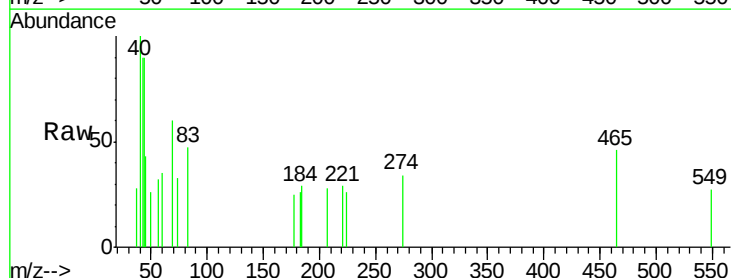
Instrument :
BNA_G
ClientSampleId :
TP-4A

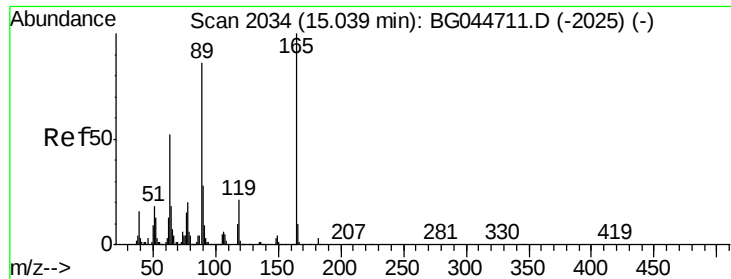
Tgt Ion:165 Resp: 25272
Ion Ratio Lower Upper
165 100
63 1.6 45.8 68.8#
89 1.7 51.8 77.6#



#54
2,4-Dinitrophenol
Concen: 8.36 ng
RT: 14.61 min Scan# 1961
Delta R.T. -0.17 min
Lab File: BG044946.D
Acq: 25 Mar 2020 2:40

Tgt Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#

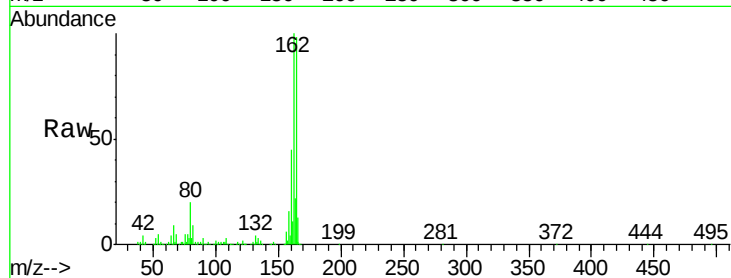




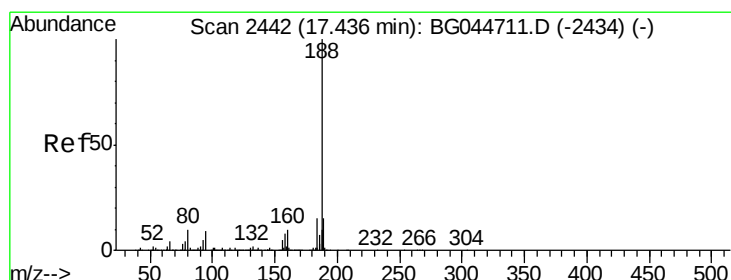
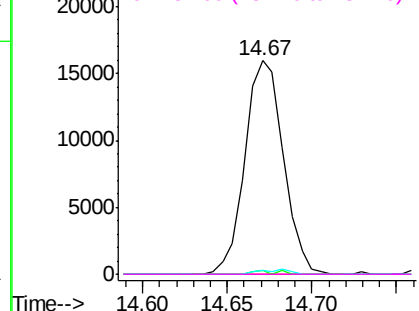
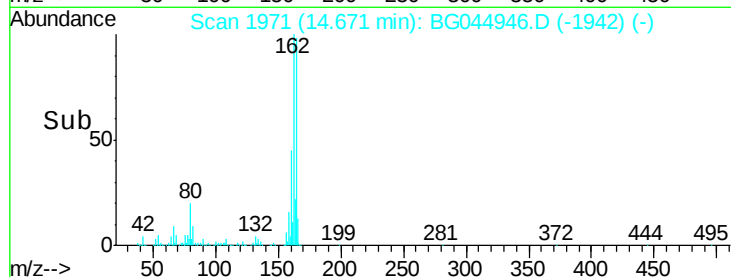
#57
2,4-Dinitrotoluene
Concen: 5.92 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.36 min
Lab File: BG044946.D
Acq: 25 Mar 2020 2:40

Instrument :
BNA_G
ClientSampleId :
TP-4A

Tgt Ion:165 Resp: 25272
Ion Ratio Lower Upper
165 100
63 1.6 34.6 52.0#
89 1.7 61.3 91.9#
182 0.0 2.2 3.2#

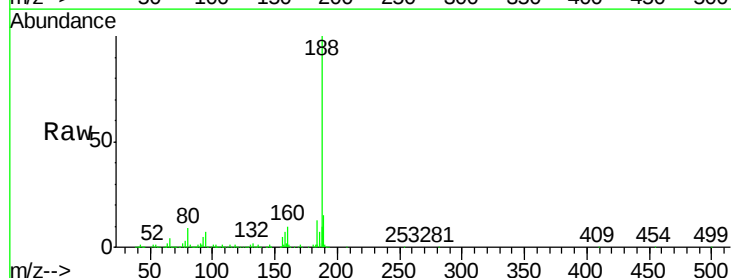


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

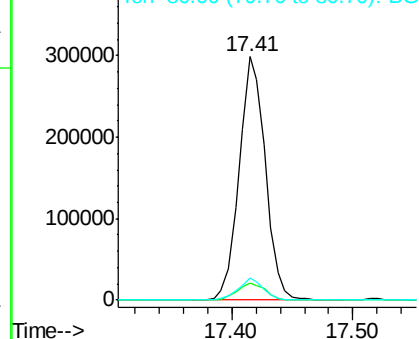
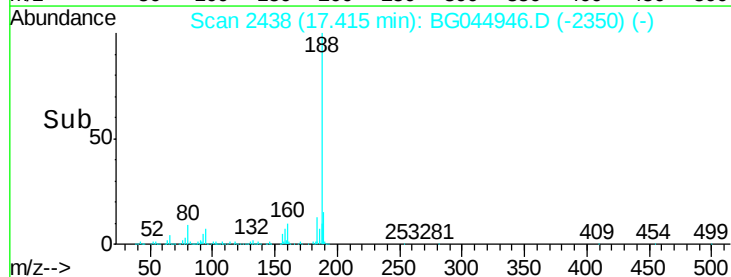


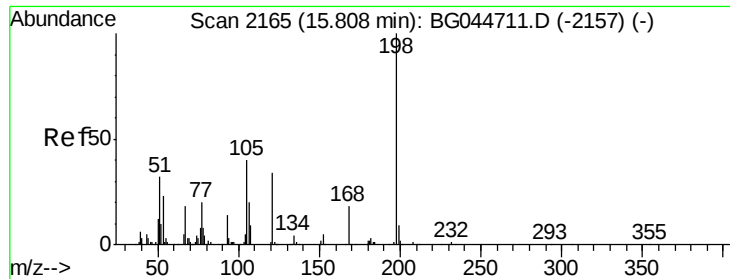
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG044946.D
Acq: 25 Mar 2020 2:40

Tgt Ion:188 Resp: 451031
Ion Ratio Lower Upper
188 100
94 6.9 7.3 10.9#
80 9.1 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

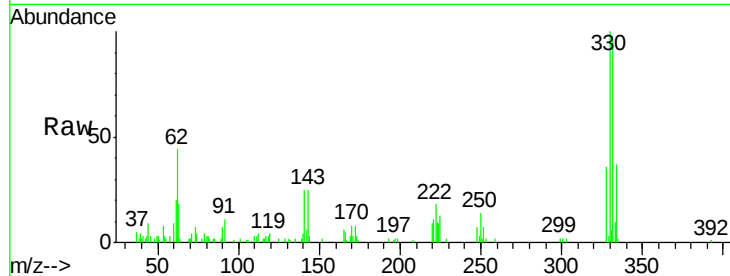




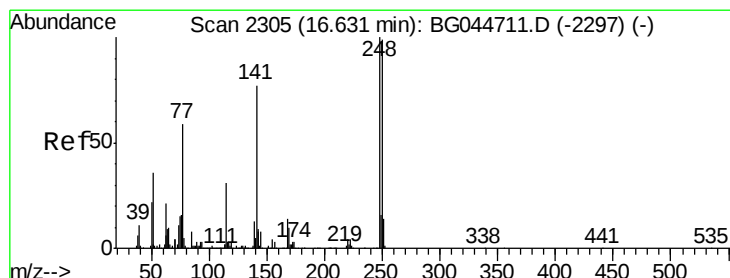
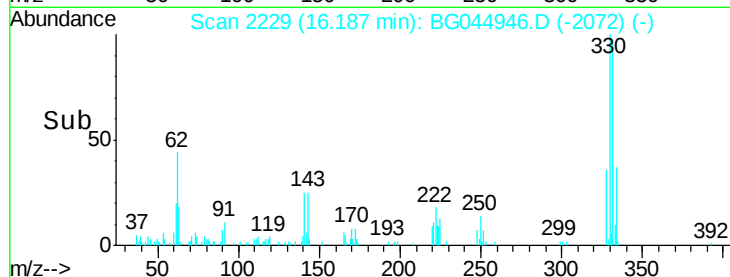
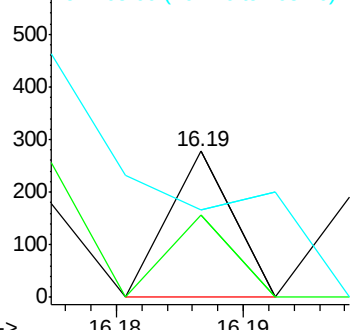
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.77 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. 0.39 min
 Lab File: BG044946.D
 Acq: 25 Mar 2020 2:40

Instrument :
 BNA_G
 ClientSampleId :
 TP-4A

Tgt Ion:198 Resp: 98
 Ion Ratio Lower Upper
 198 100
 51 56.3 21.1 61.1
 105 60.3 24.5 64.5

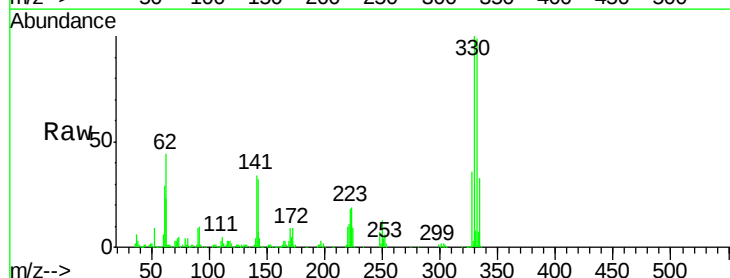


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

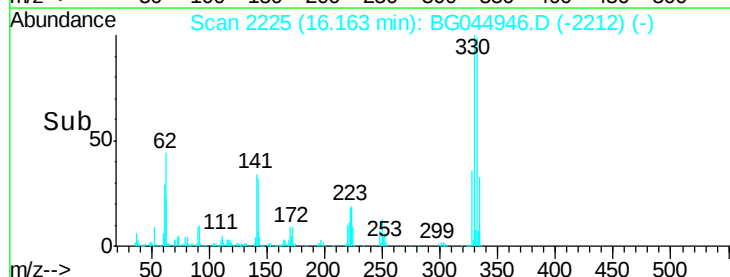
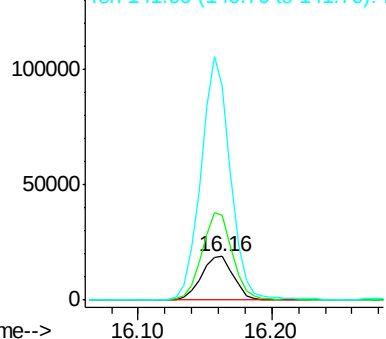


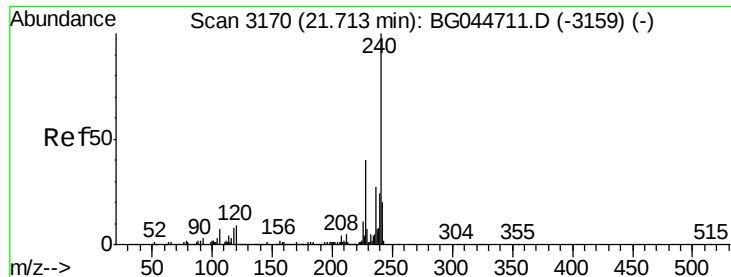
#67
 4-Bromophenyl-phenylether
 Concen: 5.68 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.45 min
 Lab File: BG044946.D
 Acq: 25 Mar 2020 2:40

Tgt Ion:248 Resp: 32010
 Ion Ratio Lower Upper
 248 100
 250 193.0 77.9 116.9#
 141 490.8 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

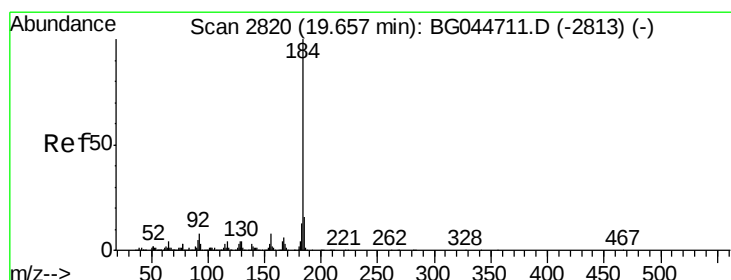
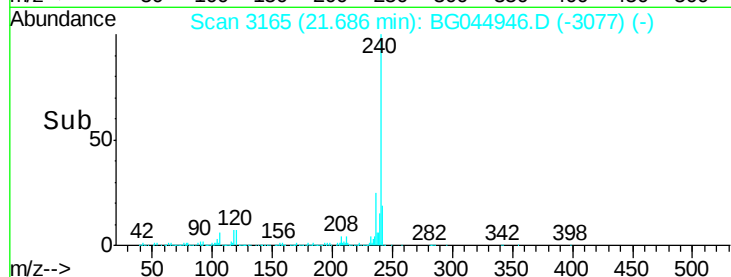
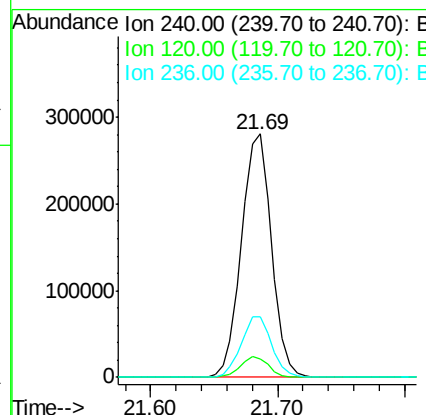
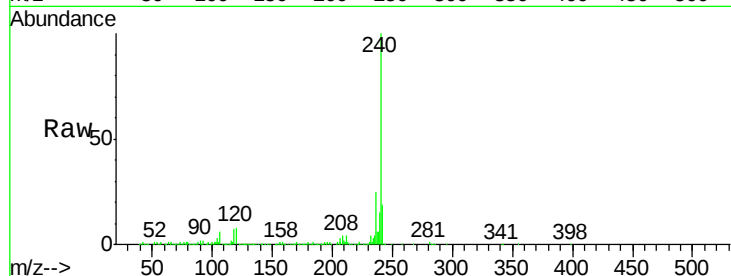




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG044946.D
Acq: 25 Mar 2020 2:40

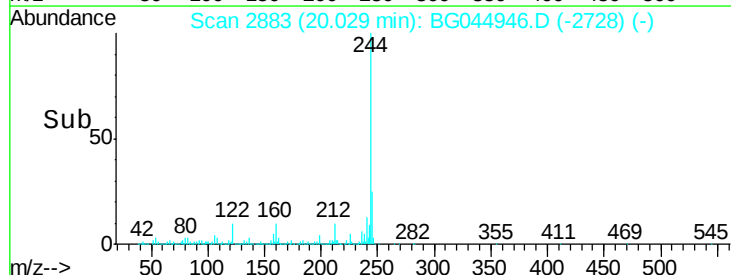
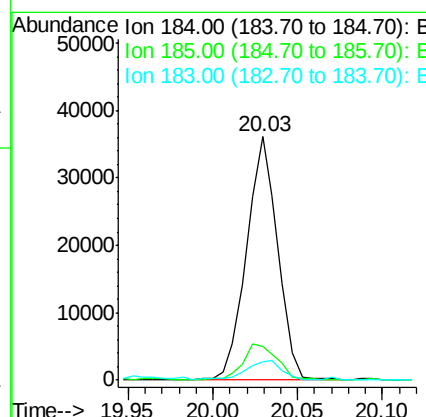
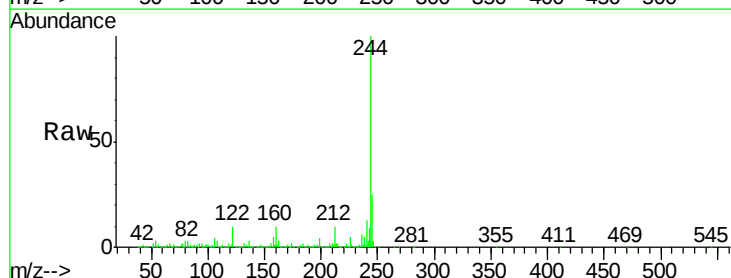
Instrument :
BNA_G
ClientSampleId :
TP-4A

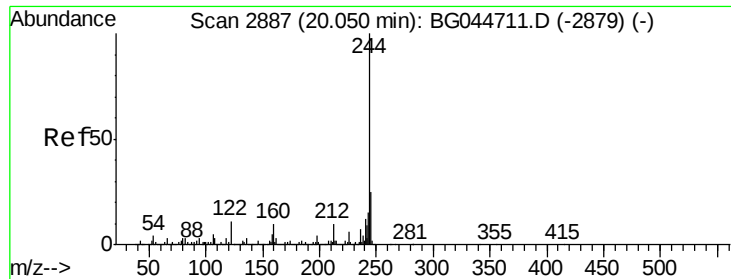
Tgt Ion:240 Resp: 460882
Ion Ratio Lower Upper
240 100
120 7.6 6.7 10.1
236 24.9 21.5 32.3



#77
Benzidine
Concen: 3.10 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.38 min
Lab File: BG044946.D
Acq: 25 Mar 2020 2:40

Tgt Ion:184 Resp: 46370
Ion Ratio Lower Upper
184 100
185 13.9 12.2 18.4
183 7.4 10.7 16.1#





#79

Terphenyl-d14

Concen: 96.16 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG044946.D

Acq: 25 Mar 2020 2:40

Instrument :

BNA_G

ClientSampleId :

TP-4A

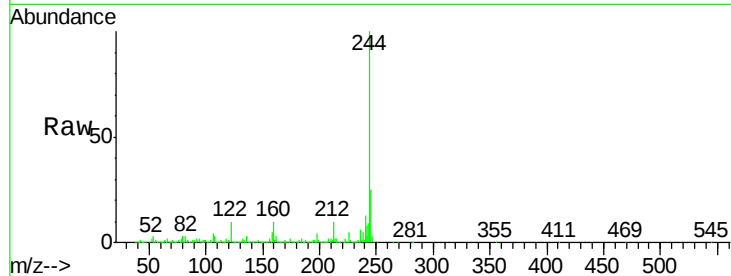
Tgt Ion:244 Resp: 2369365

Ion Ratio Lower Upper

244 100

212 10.0 7.7 11.5

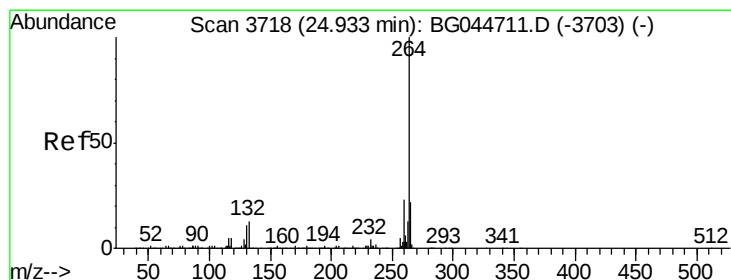
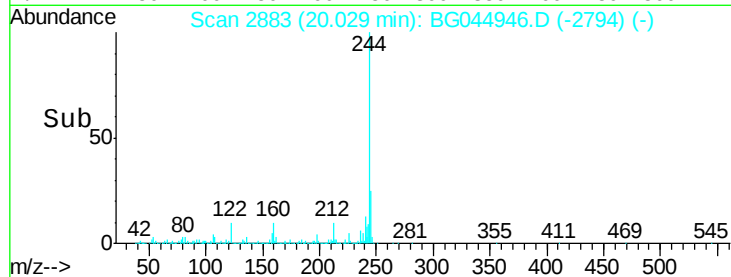
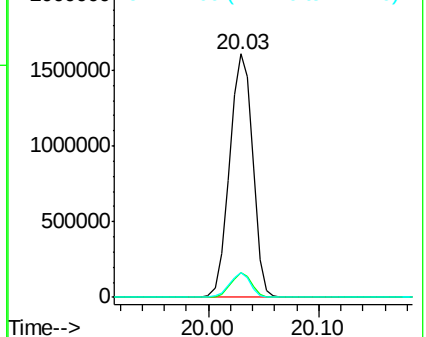
122 10.1 8.6 12.8



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: BG044946.D

Acq: 25 Mar 2020 2:40

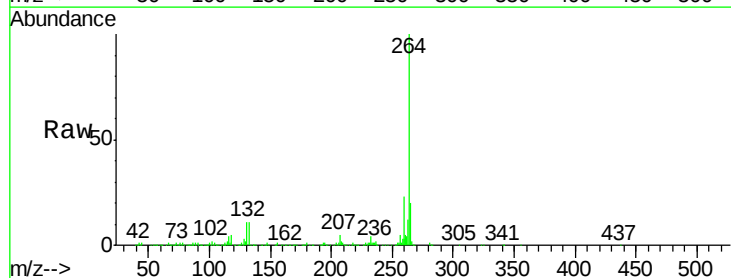
Tgt Ion:264 Resp: 487334

Ion Ratio Lower Upper

264 100

260 22.8 18.1 27.1

265 20.4 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

