

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044846.D
 Acq On : 17 Mar 2020 23:48
 Operator : CG/JU
 Sample : L1893-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 18 11:46:37 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	8.05	152	94785	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	370702	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	249395	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	580005	20.00	ng	0.00
76) Chrysene-d12	21.69	240	504286	20.00	ng	-0.01
87) Perylene-d12	24.90	264	568254	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	658262	108.11	ng	0.00
7) Phenol-d6	7.20	99	840469	95.00	ng	0.00
23) Nitrobenzene-d5	9.20	82	691606	81.87	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	469186	143.68	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1452907	83.43	ng	0.00
79) Terphenyl-d14	20.03	244	2313595	85.82	ng	0.00

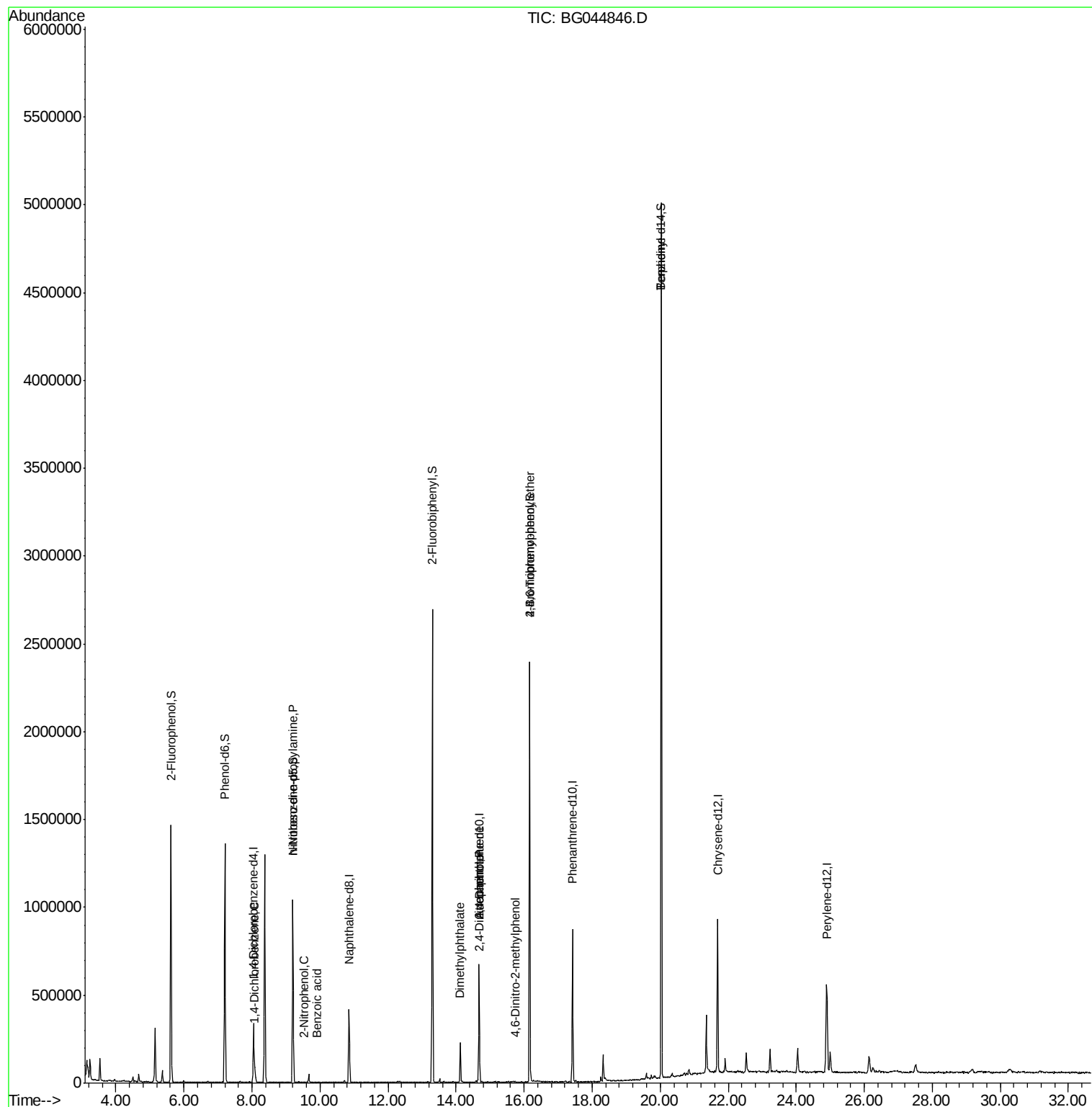
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	2149	Below Cal		# 22
13) 1,4-Dichlorobenzene	8.08	146	32004	4.323	ng	# 95
19) n-Nitroso-di-n-propylamine	9.20	70	94009	15.049	ng	# 74
26) 2-Nitrophenol	9.53	139	71	5.536	ng	# 28
32) Benzoic acid	9.93	122	54	9.680	ng	# 1
50) Dimethylphthalate	14.12	163	152310	7.668	ng	# 96
54) 2,4-Dinitrophenol	14.69	184	98	8.365	ng	# 17
57) 2,4-Dinitrotoluene	14.67	165	33307	6.066	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.75	198	66	7.748	ng	# 33
67) 4-Bromophenyl-phenylether	16.16	248	31337	4.322	ng	# 1
77) Benzidine	20.03	184	44864	2.740	ng	# 86

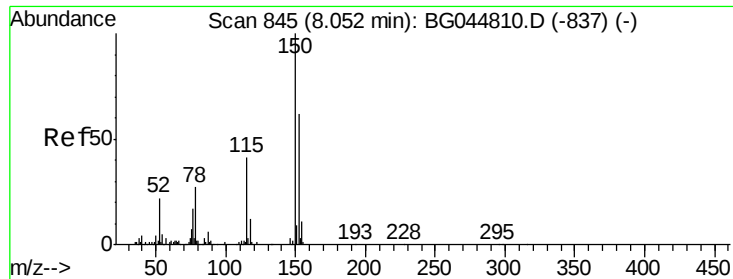
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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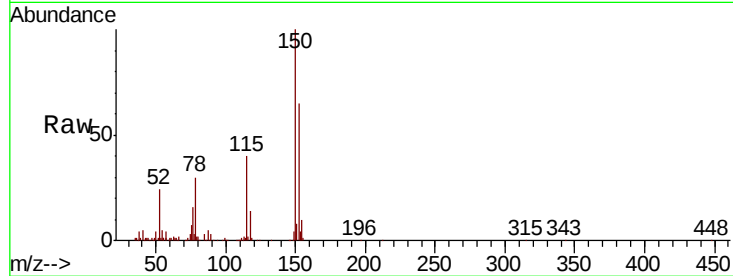


#1

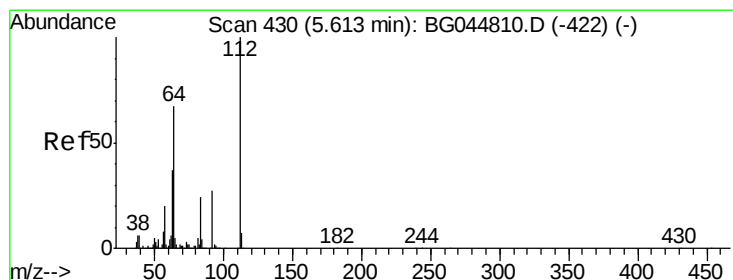
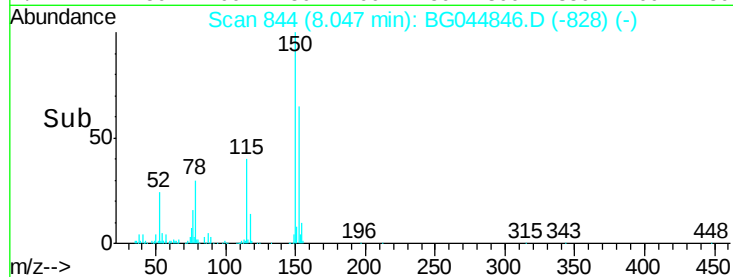
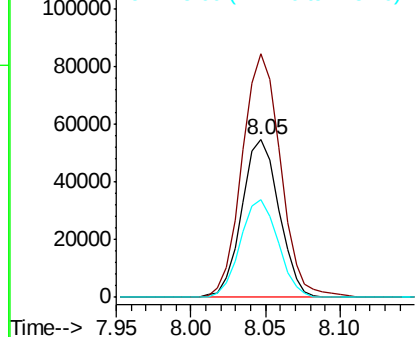
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG044846.D
Acq: 17 Mar 2020 23:48

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 94785
Ion Ratio Lower Upper
152 100
150 154.6 128.8 193.2
115 61.7 52.6 79.0



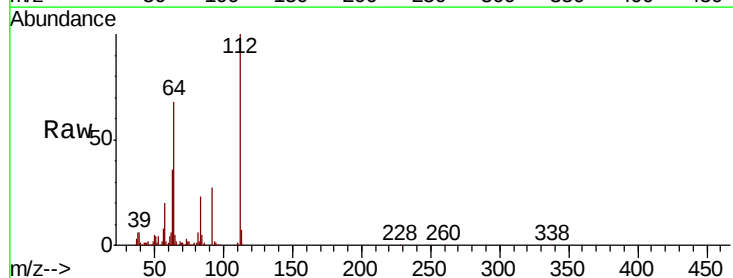
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



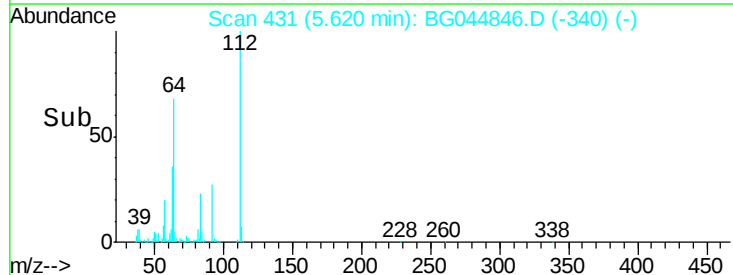
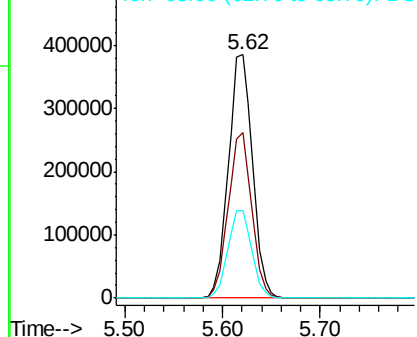
#5

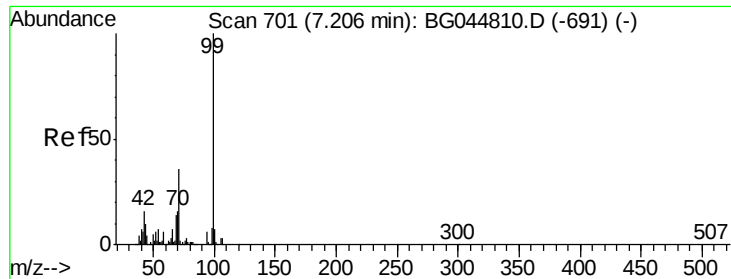
2-Fluorophenol
Concen: 108.109 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG044846.D
Acq: 17 Mar 2020 23:48

Tgt Ion:112 Resp: 658262
Ion Ratio Lower Upper
112 100
64 68.0 53.4 80.2
63 36.0 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: 95.004 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044846.D

Acq: 17 Mar 2020 23:48

Instrument :

BNA_N

ClientSampleId :

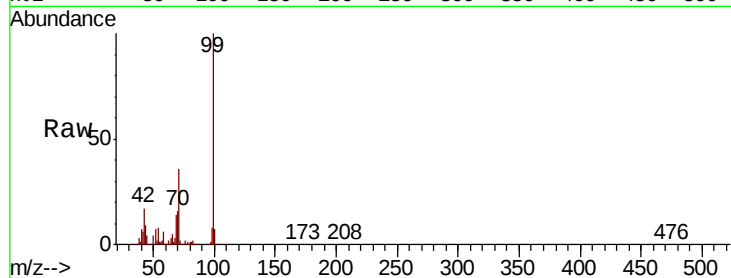
Tot Ion: 99 Resp: 840469

Ion Ratio Lower Upper

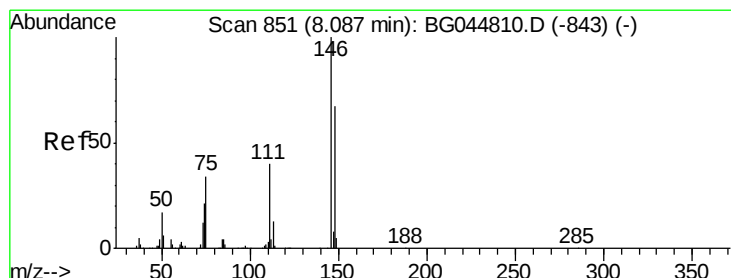
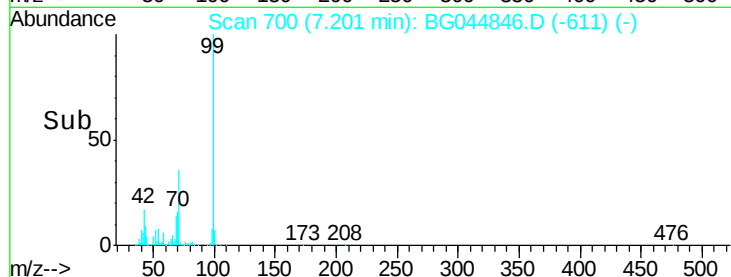
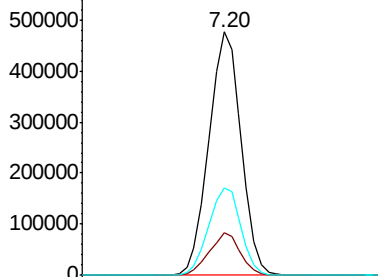
99 100

42 17.5 12.6 19.0

71 36.1 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



#13

1,4-Dichlorobenzene

Concen: 4.323 ng

RT: 8.08 min Scan# 850

Delta R.T. -0.00 min

Lab File: BG044846.D

Acq: 17 Mar 2020 23:48

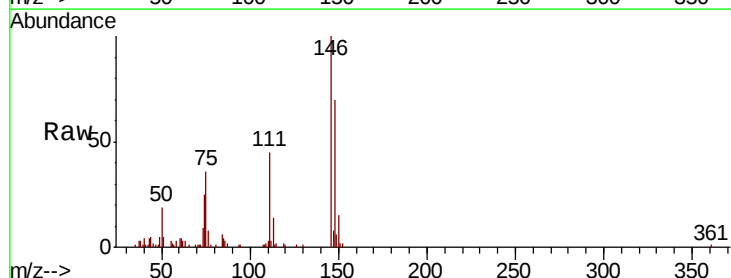
Tgt Ion: 146 Resp: 32004

Ion Ratio Lower Upper

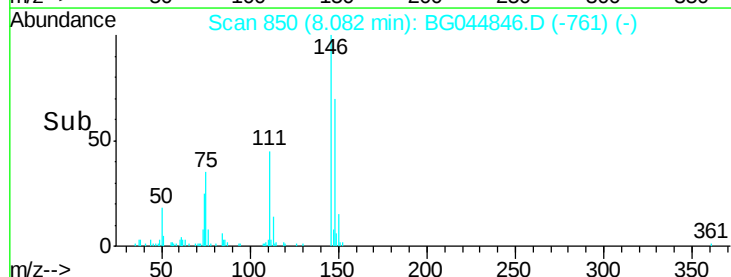
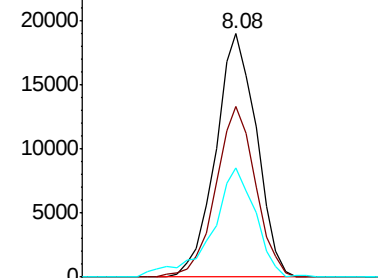
146 100

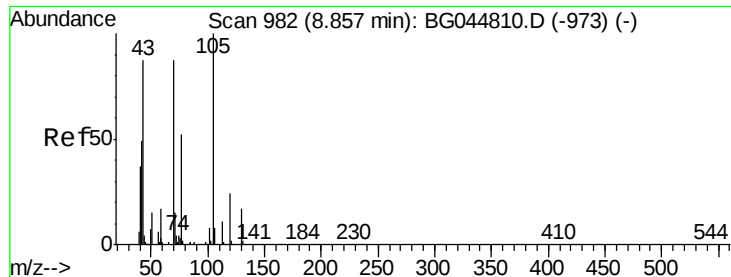
148 70.1 53.8 80.6

111 45.1 32.0 48.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

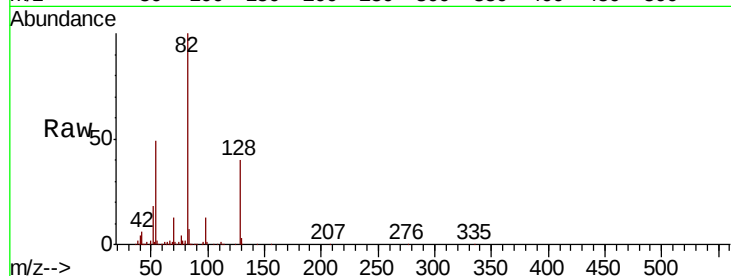




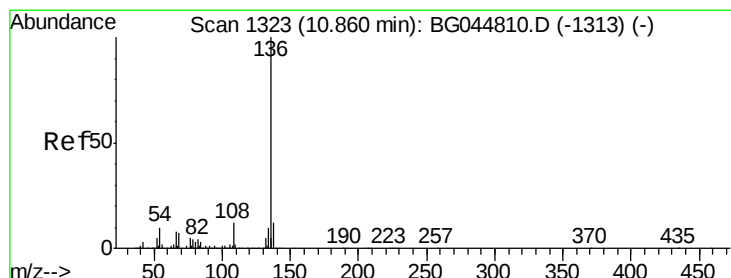
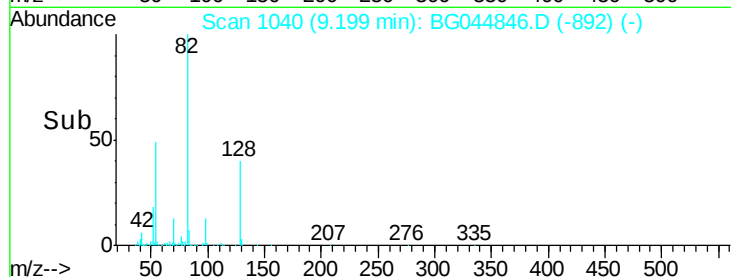
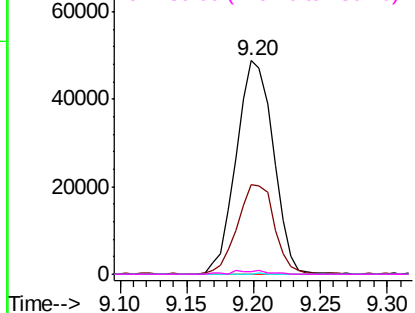
#19
n-Nitroso-di-n-propylamine
Concen: 15.049 ng
RT: 9.20 min Scan# 1040
Delta R.T. 0.34 min
Lab File: BG044846.D
Acq: 17 Mar 2020 23:48

Instrument :
BNA_N
ClientSampleId :

Tot Ion: 70 Resp: 94009
Ion Ratio Lower Upper
70 100
42 41.9 45.7 68.5#
101 0.0 7.4 11.2#
130 1.4 15.9 23.9#

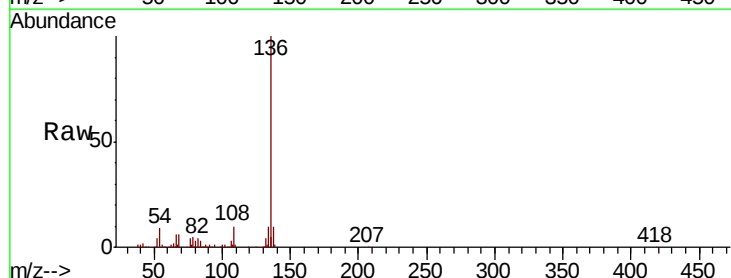


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

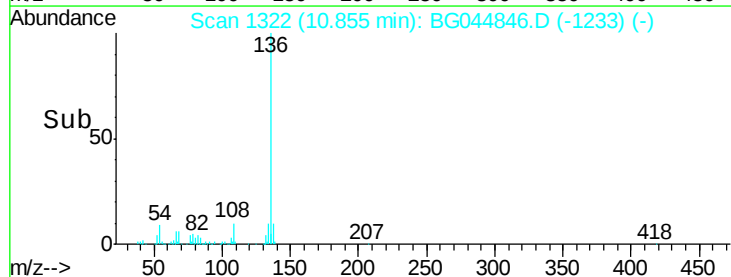
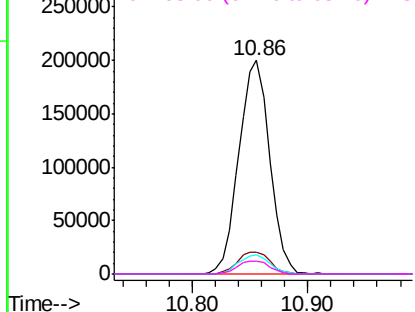


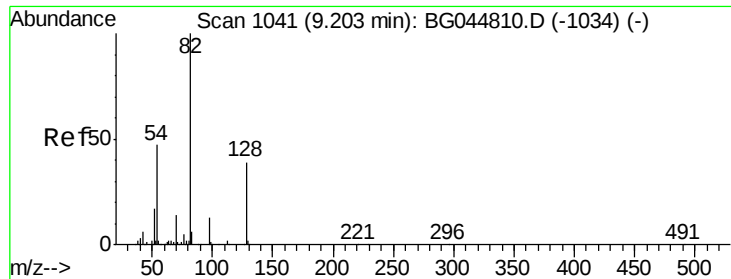
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG044846.D
Acq: 17 Mar 2020 23:48

Tgt Ion:136 Resp: 370702
Ion Ratio Lower Upper
136 100
137 10.1 9.8 14.6
54 9.0 7.9 11.9
68 6.2 5.4 8.0



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

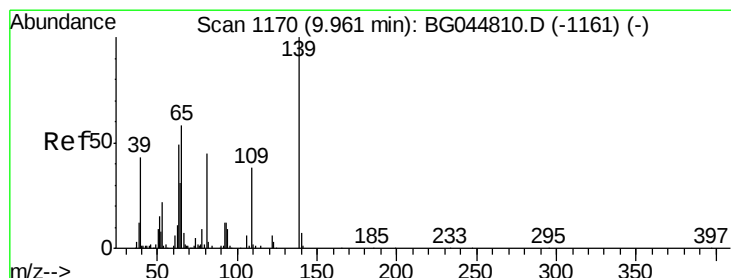
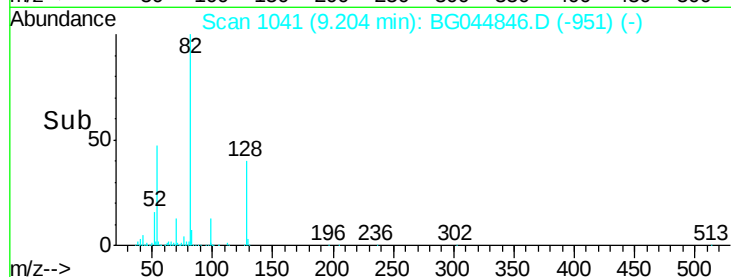
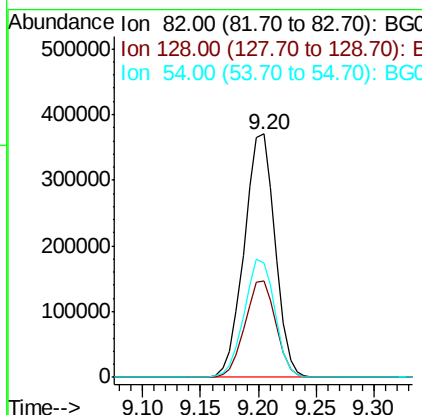
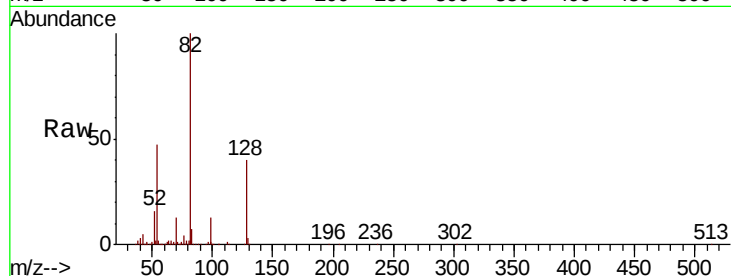




#23
 Nitrobenzene-d5
 Concen: 81.868 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BG044846.D
 Acq: 17 Mar 2020 23:48

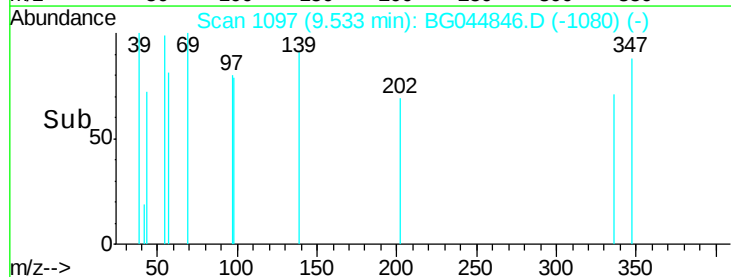
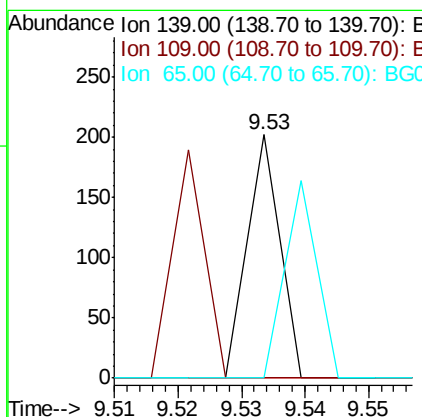
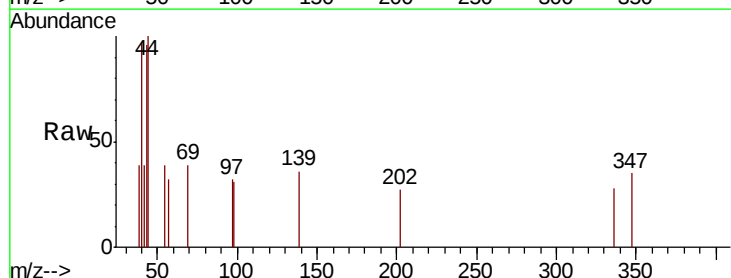
Instrument :
 BNA_N
 ClientSampleId :

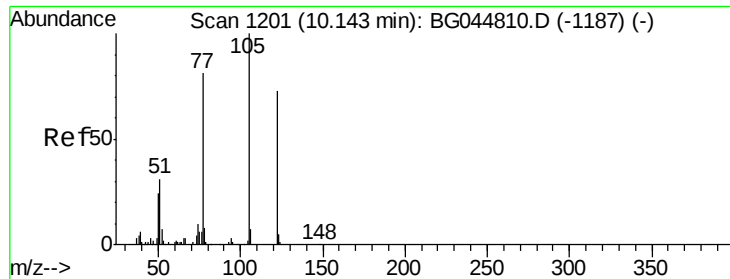
Tot Ion	82	Resp	691606
Ion Ratio	Lower	Upper	
82	100		
128	39.8	30.6	46.0
54	46.8	37.1	55.7



#26
 2-Nitrophenol
 Concen: 5.536 ng
 RT: 9.53 min Scan# 1097
 Delta R.T. -0.43 min
 Lab File: BG044846.D
 Acq: 17 Mar 2020 23:48

Tgt Ion	139	Resp	71
Ion Ratio	Lower	Upper	
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#

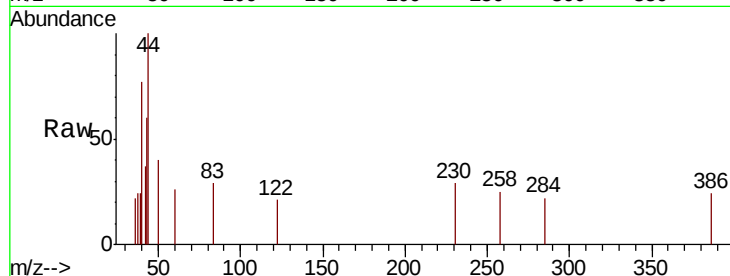




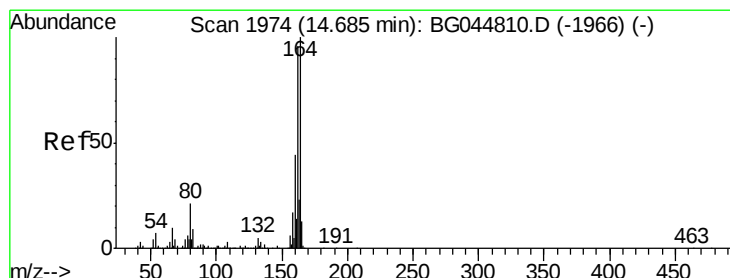
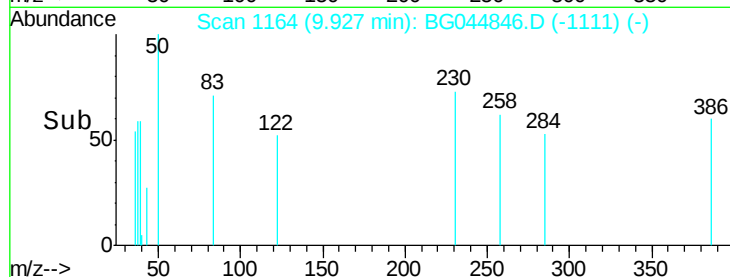
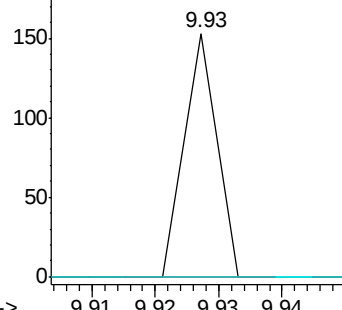
#32
Benzoic acid
Concen: 9.680 ng
RT: 9.93 min Scan# 1164
Delta R.T. -0.22 min
Lab File: BG044846.D
Acq: 17 Mar 2020 23:48

Instrument :
BNA_N
ClientSampleId :

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

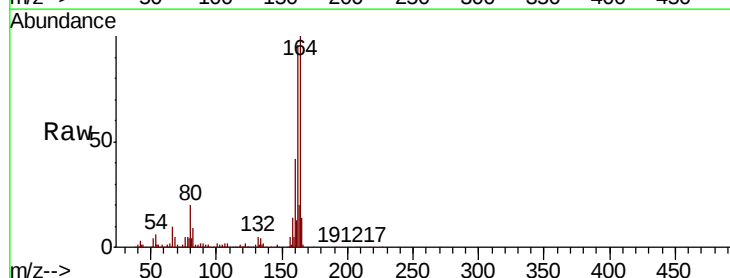


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

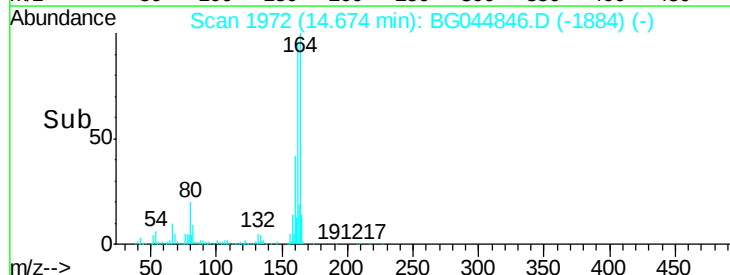
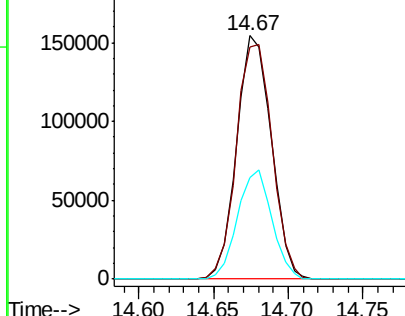


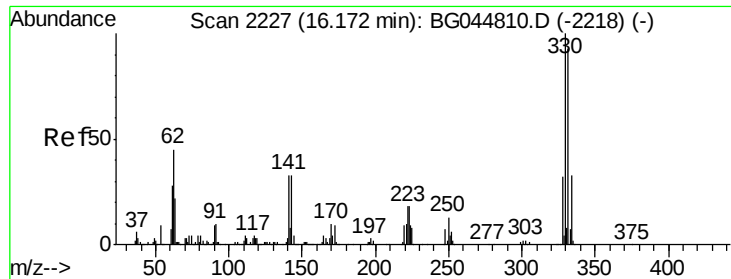
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG044846.D
Acq: 17 Mar 2020 23:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.6	76.7	115.1
160	41.8	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

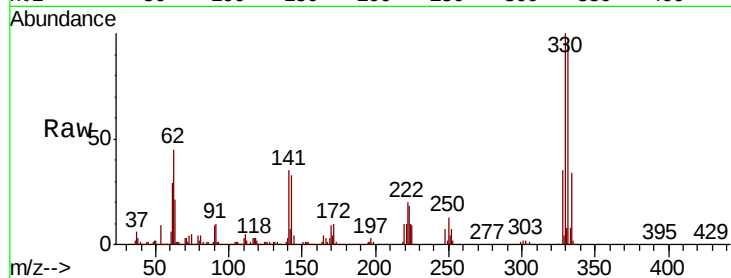




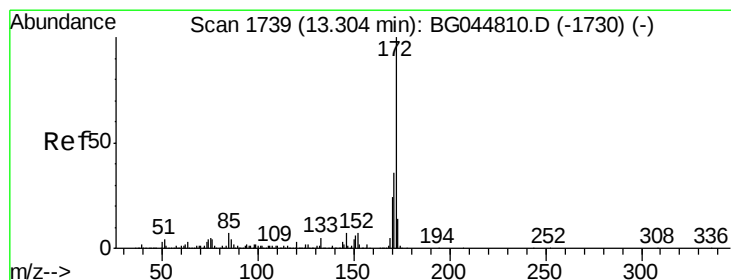
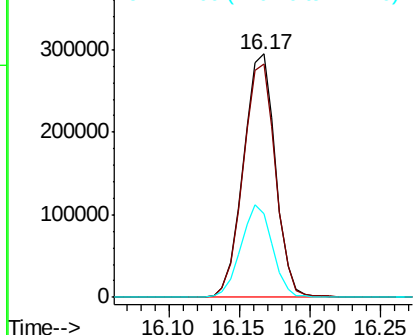
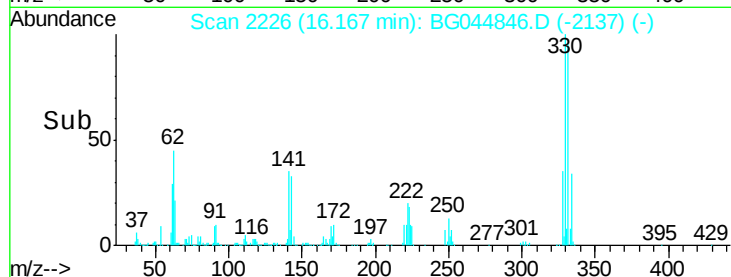
#42
 2,4,6-Tribromophenol
 Concen: 143.682 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.00 min
 Lab File: BG044846.D
 Acq: 17 Mar 2020 23:48

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.8	116.6
141	37.3	29.5	44.3

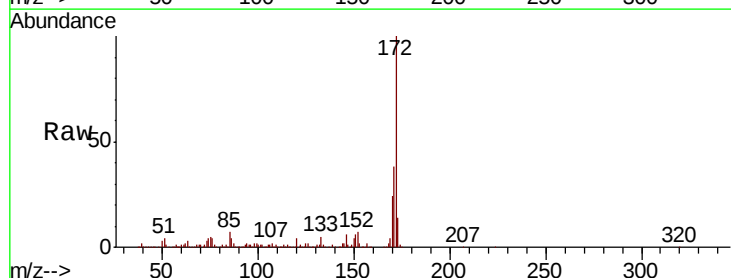


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

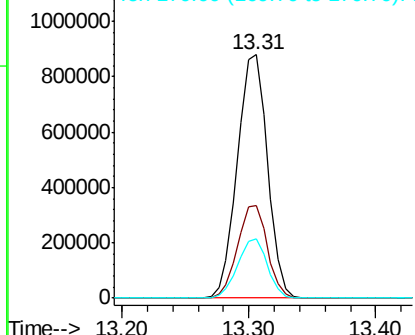
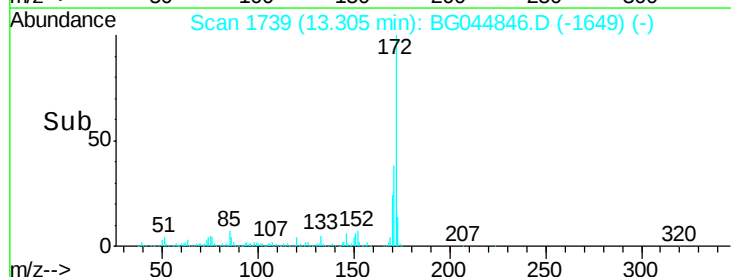


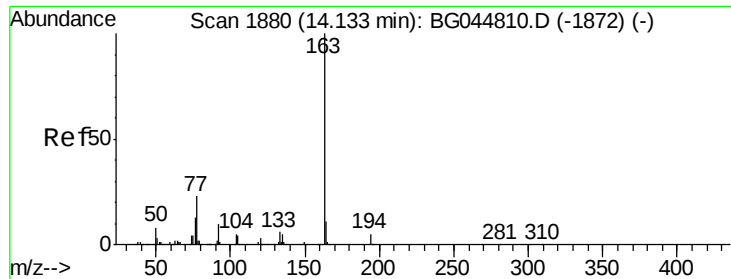
#45
 2-Fluorobiphenyl
 Concen: 83.426 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. 0.00 min
 Lab File: BG044846.D
 Acq: 17 Mar 2020 23:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	28.7	43.1
170	24.4	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

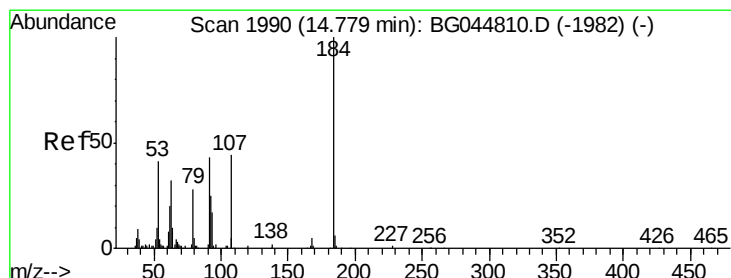
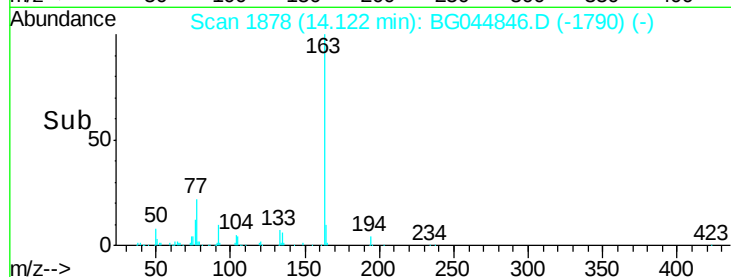
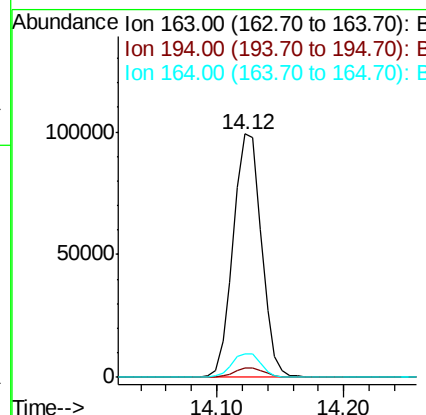
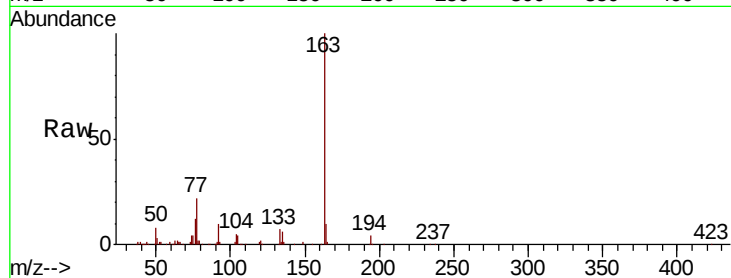




#50
Dimethylphthalate
Concen: 7.668 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044846.D
Acq: 17 Mar 2020 23:48

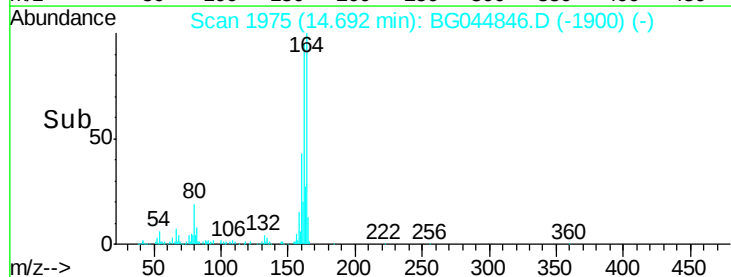
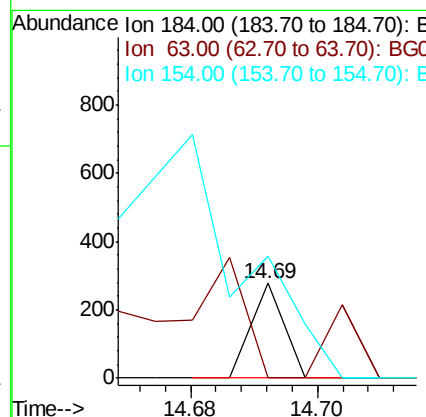
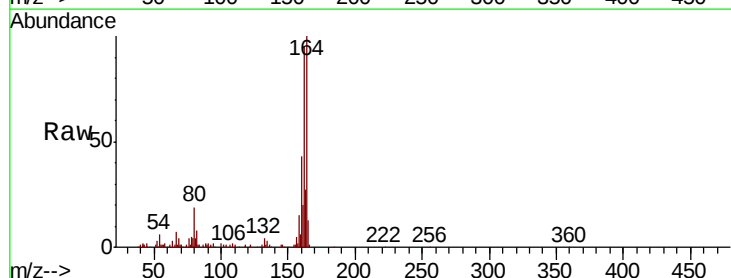
Instrument :
BNA_N
ClientSampled :

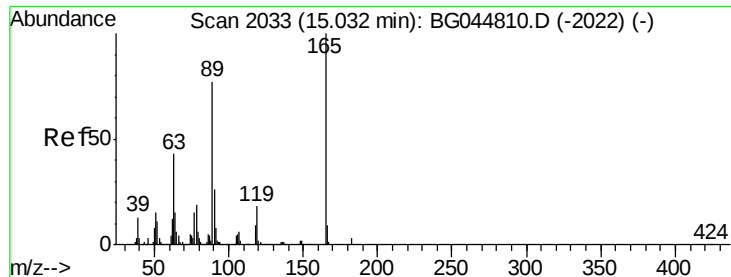
Tot Ion:163 Resp: 152310
Ion Ratio Lower Upper
163 100
194 3.9 3.7 5.5
164 9.6 9.1 13.7



#54
2,4-Dinitrophenol
Concen: 8.365 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.09 min
Lab File: BG044846.D
Acq: 17 Mar 2020 23:48

Tgt Ion:184 Resp: 98
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 128.4 49.1 73.7#

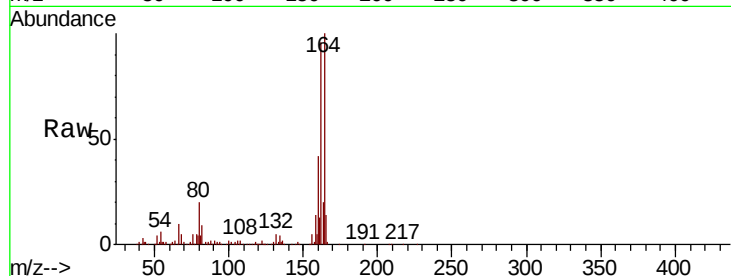




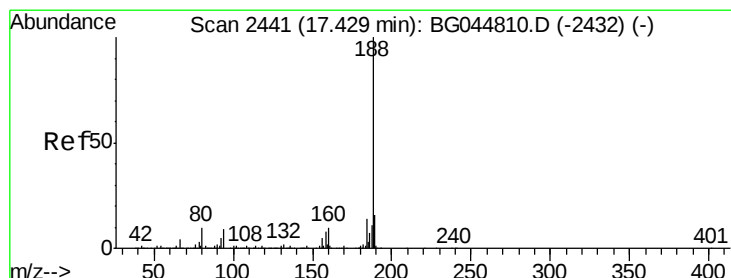
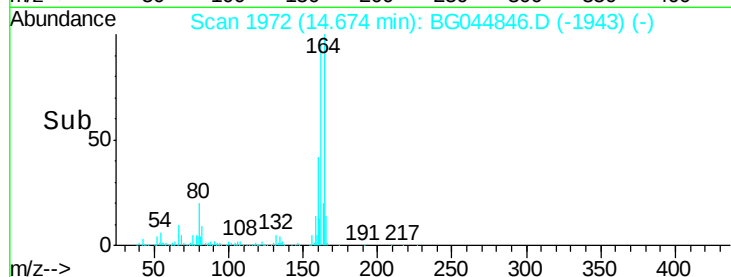
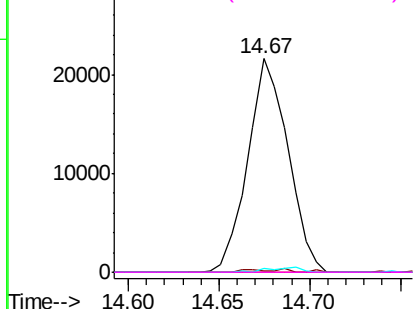
#57
2,4-Dinitrotoluene
Concen: 6.066 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044846.D
Acq: 17 Mar 2020 23:48

Instrument :
BNA_N
ClientSampleId :

Tot Ion:165 Resp: 33307
Ion Ratio Lower Upper
165 100
63 0.8 34.6 52.0#
89 2.0 61.3 91.9#
182 0.0 2.2 3.2#

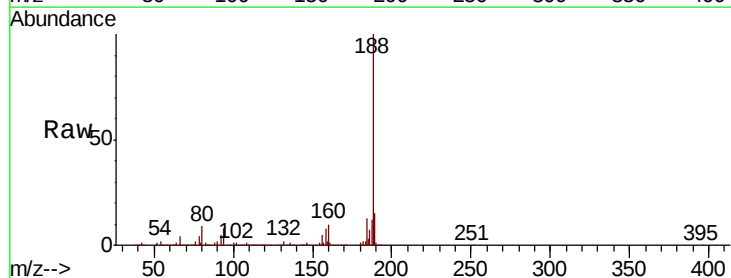


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

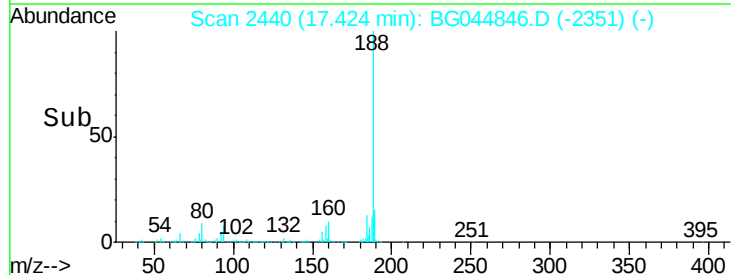
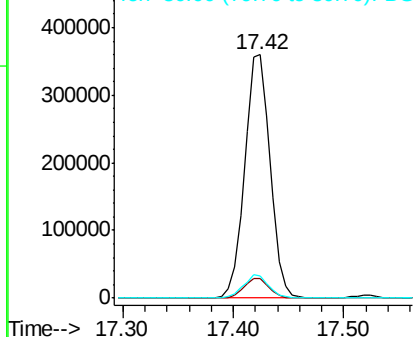


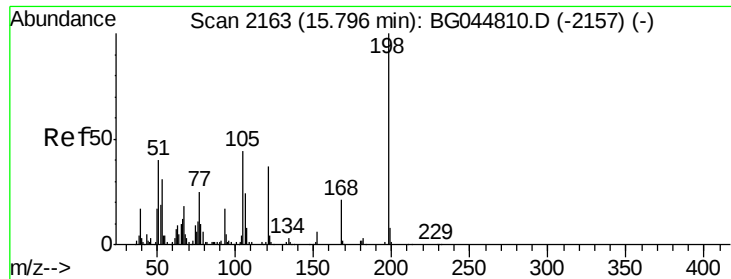
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2440
Delta R.T. -0.00 min
Lab File: BG044846.D
Acq: 17 Mar 2020 23:48

Tgt Ion:188 Resp: 580005
Ion Ratio Lower Upper
188 100
94 8.1 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: 7.748 ng

RT: 15.75 min Scan# 2155

Delta R.T. -0.05 min

Lab File: BG044846.D

Acq: 17 Mar 2020 23:48

Instrument :

BNA_N

ClientSampled :

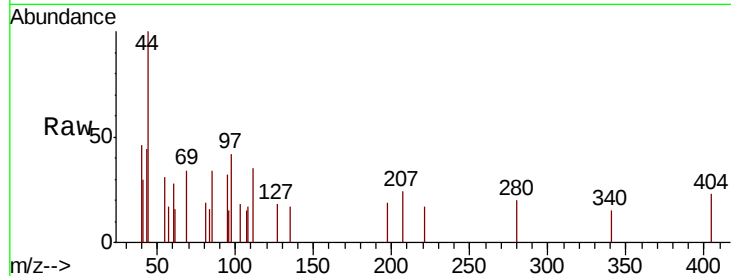
Tot Ion:198 Resp: 66

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

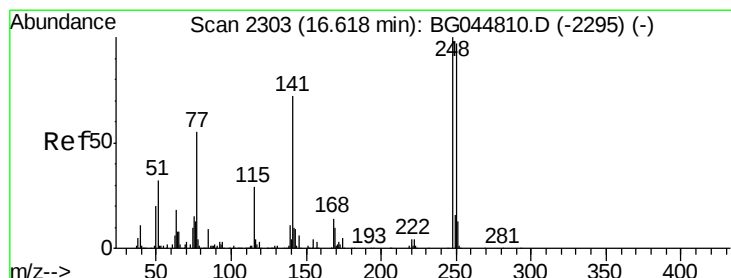
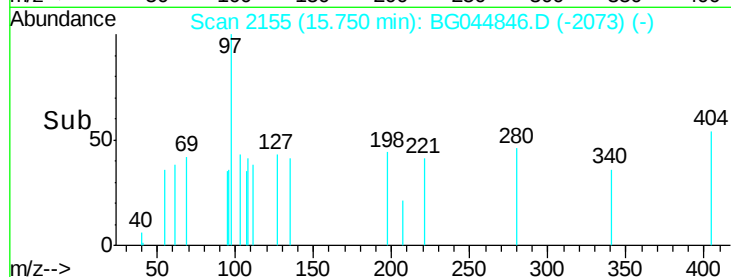
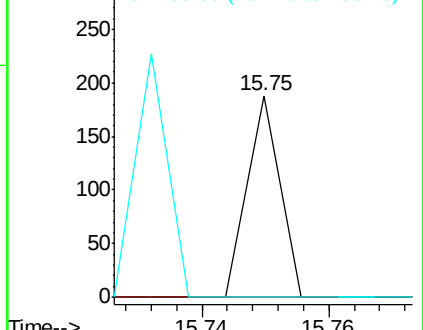
105 0.0 24.5 64.5#



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: 4.322 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.46 min

Lab File: BG044846.D

Acq: 17 Mar 2020 23:48

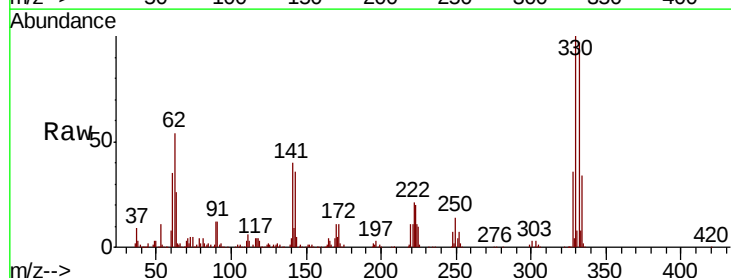
Tgt Ion:248 Resp: 31337

Ion Ratio Lower Upper

248 100

250 202.0 77.9 116.9#

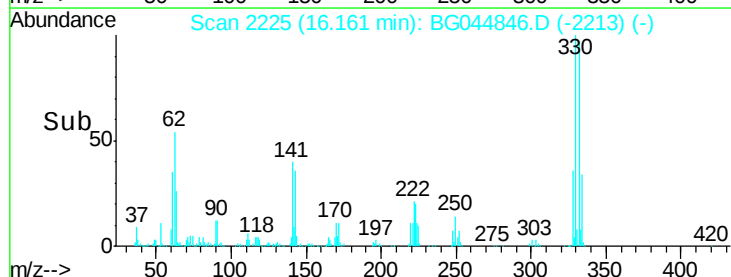
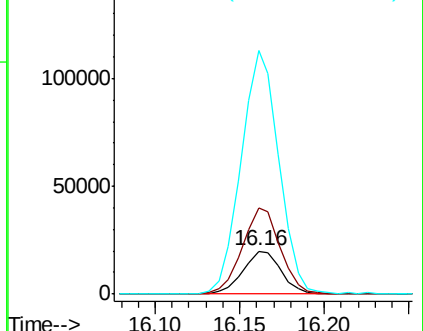
141 566.9 57.5 86.3#

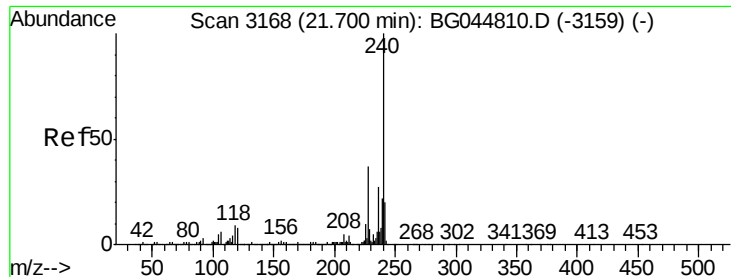


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

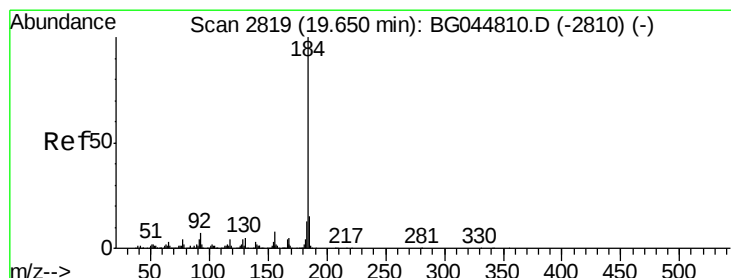
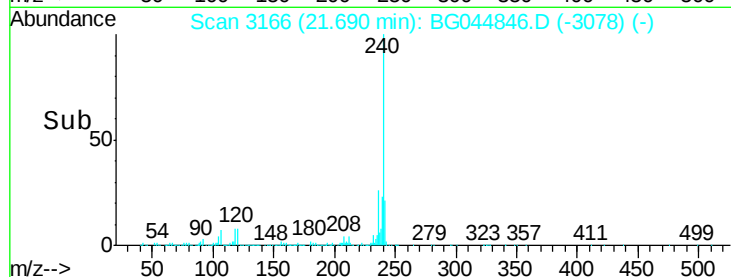
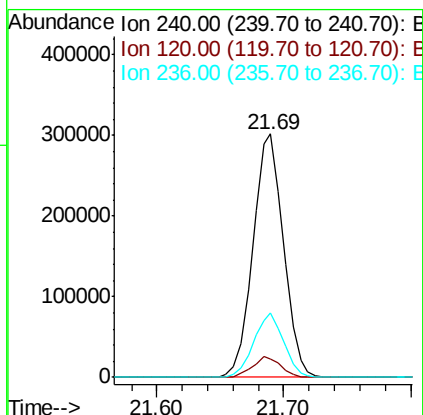
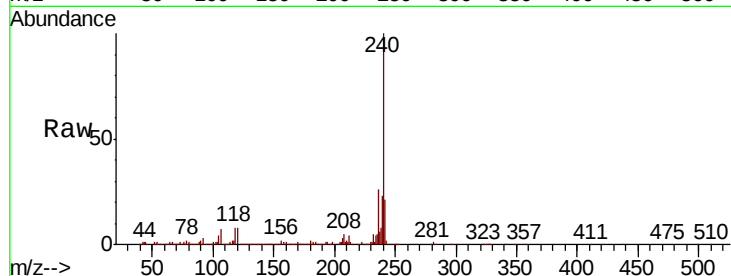




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG044846.D
 Acq: 17 Mar 2020 23:48

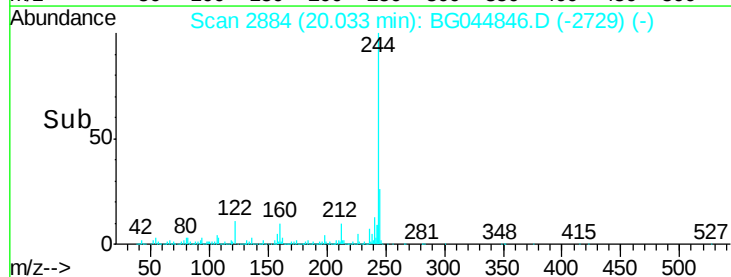
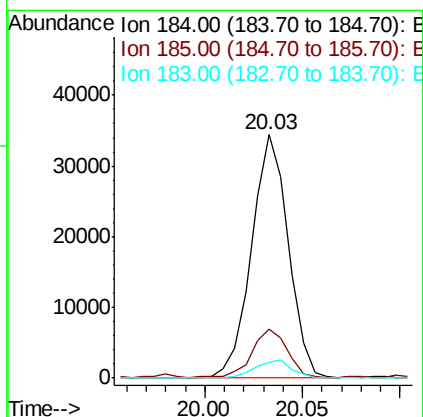
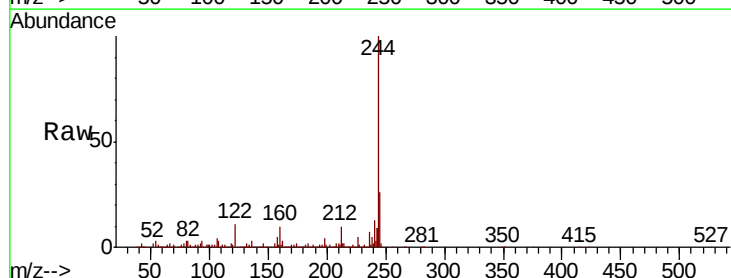
Instrument :
 BNA_N
 ClientSampleId :

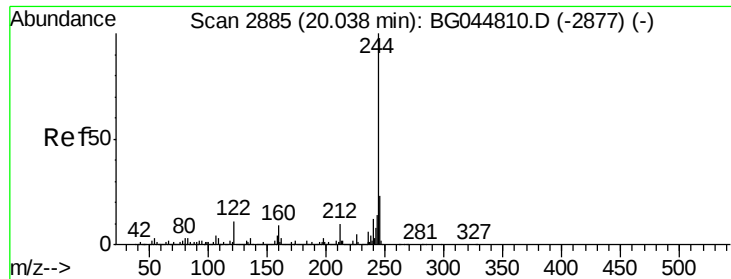
Tot Ion:240 Resp: 504286
 Ion Ratio Lower Upper
 240 100
 120 7.7 6.7 10.1
 236 26.3 21.5 32.3



#77
 Benzidine
 Concen: 2.740 ng
 RT: 20.03 min Scan# 2884
 Delta R.T. 0.38 min
 Lab File: BG044846.D
 Acq: 17 Mar 2020 23:48

Tgt Ion:184 Resp: 44864
 Ion Ratio Lower Upper
 184 100
 185 20.1 12.2 18.4#
 183 6.4 10.7 16.1#





#79

Terphenyl-d14

Concen: 85.818 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044846.D

Acq: 17 Mar 2020 23:48

Instrument :

BNA_N

ClientSampleId :

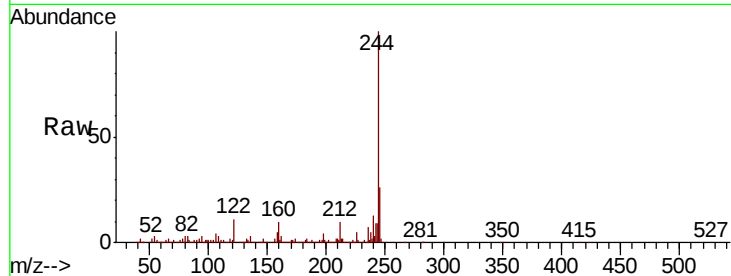
Tot Ion:244 Resp: 2313595

Ion Ratio Lower Upper

244 100

212 10.3 7.7 11.5

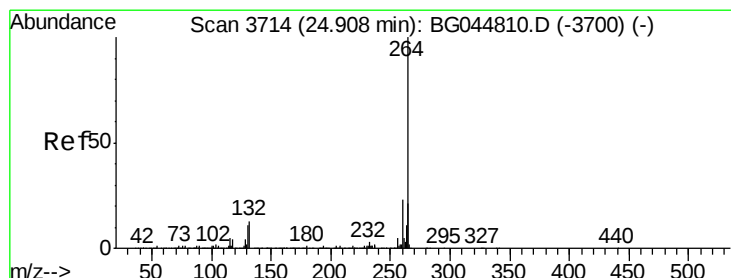
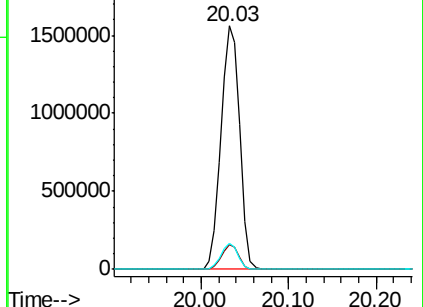
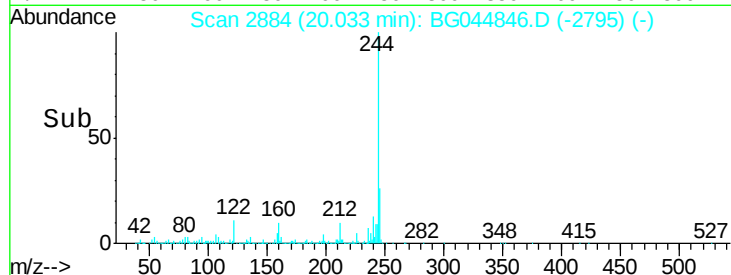
122 10.7 8.6 12.8



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: 20.000 ng

RT: 24.90 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG044846.D

Acq: 17 Mar 2020 23:48

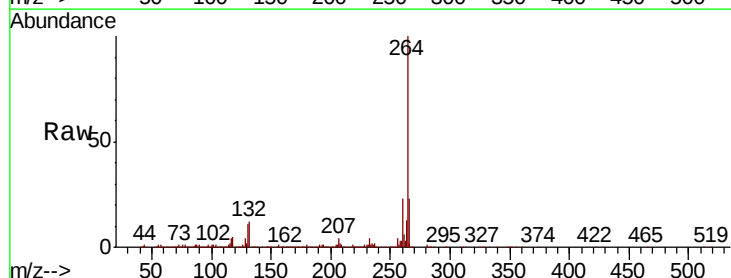
Tgt Ion:264 Resp: 568254

Ion Ratio Lower Upper

264 100

260 23.2 18.1 27.1

265 23.0 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

