

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044847.D
 Acq On : 18 Mar 2020 00:28
 Operator : CG/JU
 Sample : L1893-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 18 11:46:48 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	100937	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	378284	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	257433	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	576671	20.00	ng	0.00
76) Chrysene-d12	21.69	240	510078	20.00	ng	-0.01
87) Perylene-d12	24.90	264	571645	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	678898	104.70	ng	0.00
7) Phenol-d6	7.20	99	856323	90.90	ng	0.00
23) Nitrobenzene-d5	9.20	82	707489	82.07	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	468497	138.99	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1488523	82.80	ng	0.00
79) Terphenyl-d14	20.04	244	2355240	86.37	ng	0.00

Target Compounds

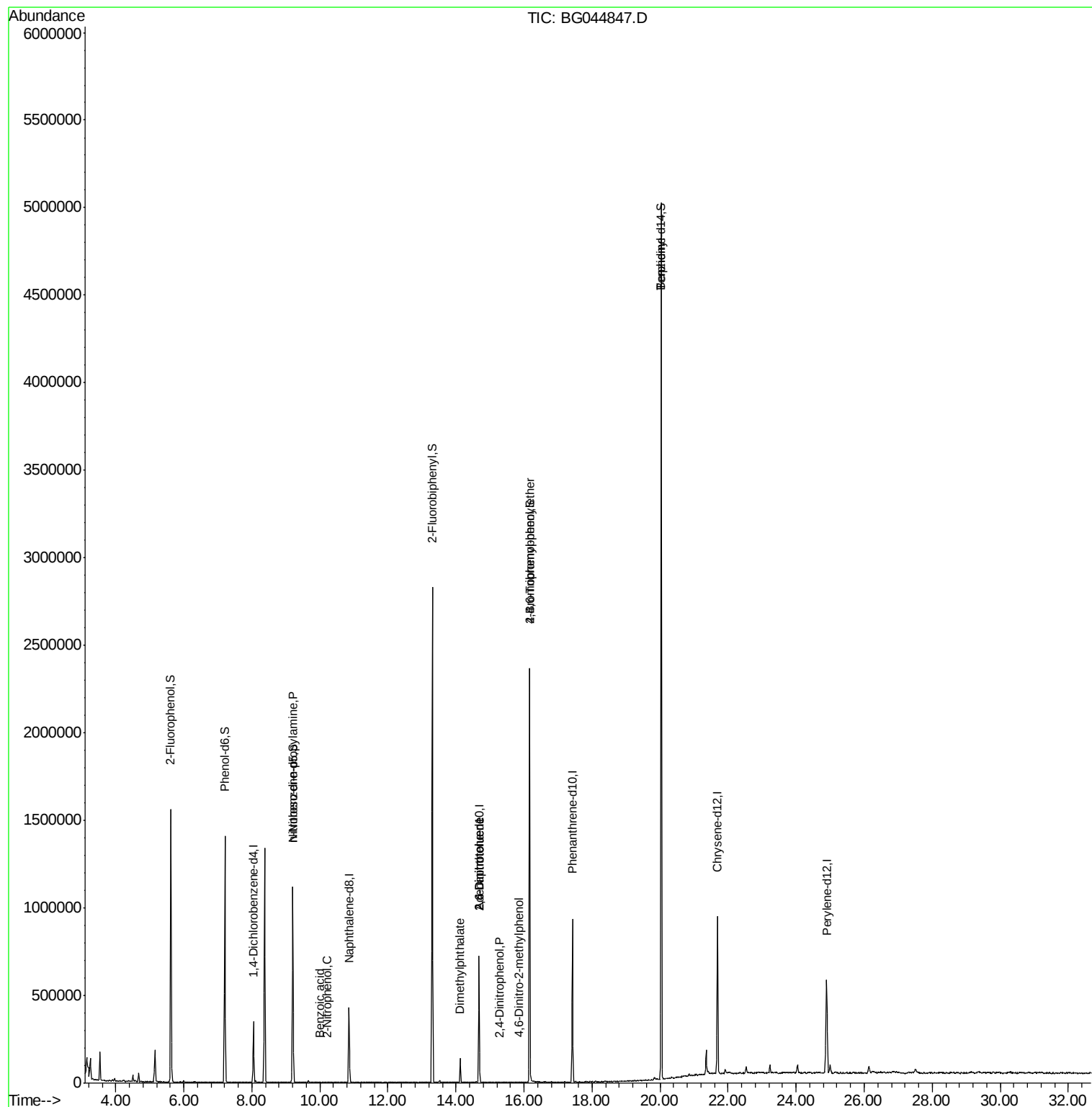
						Qvalue
9) Benzaldehyde	7.15	77	70	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	97678	14.684 ng	#	73
26) 2-Nitrophenol	10.20	139	80	5.538 ng	#	28
32) Benzoic acid	9.98	122	57	9.680 ng	#	35
50) Dimethylphthalate	14.13	163	94605	4.614 ng		97
51) 2,6-Dinitrotoluene	14.68	165	34854	8.433 ng	#	22
54) 2,4-Dinitrophenol	15.27	184	66	8.350 ng	#	21
57) 2,4-Dinitrotoluene	14.68	165	34854	6.149 ng	#	23
65) 4,6-Dinitro-2-methylphenol	15.85	198	60	7.747 ng	#	33
67) 4-Bromophenyl-phenylether	16.16	248	31773	4.407 ng	#	1
77) Benzydine	20.04	184	46147	2.787 ng	#	92

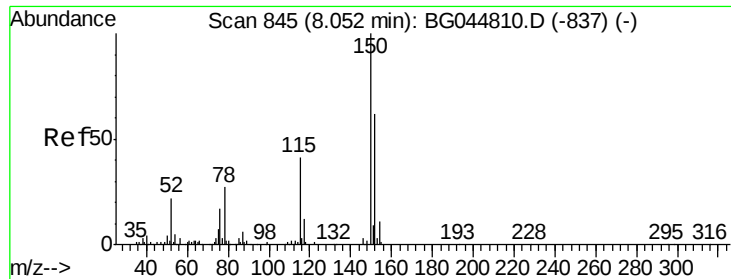
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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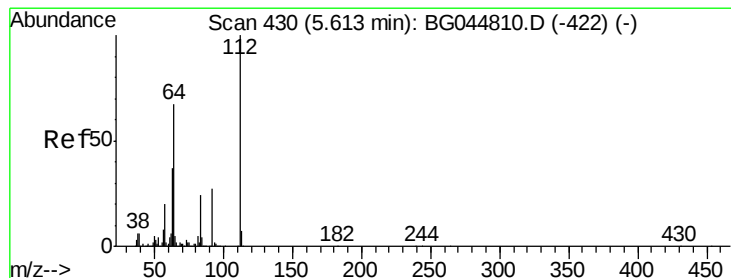
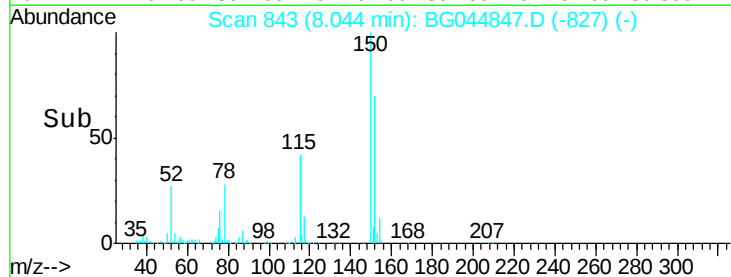
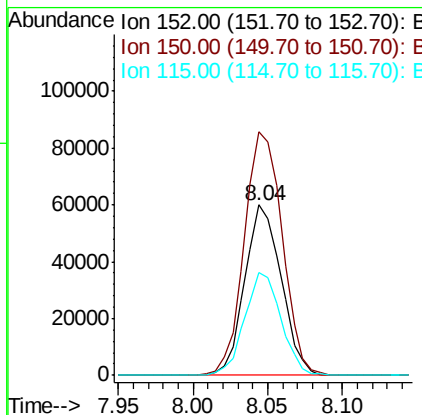
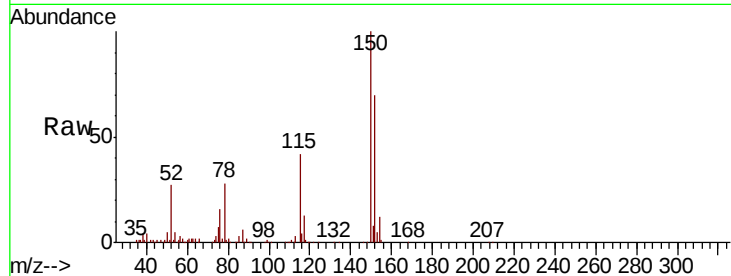


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

Instrument :
BNA_N
ClientSampleId :

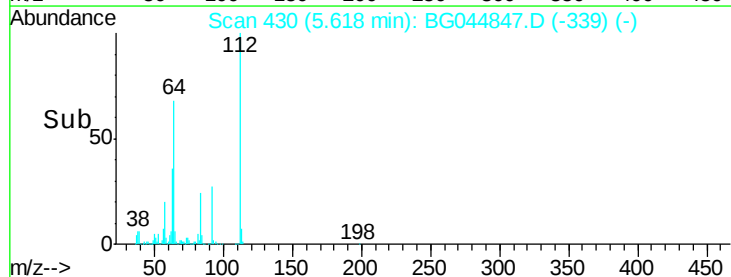
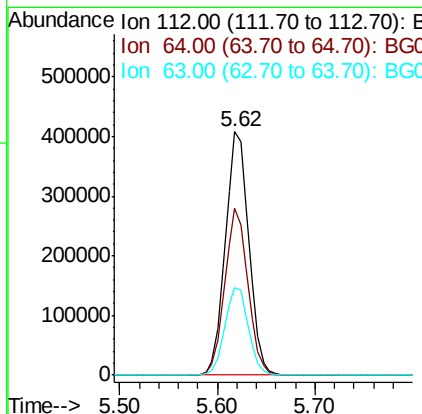
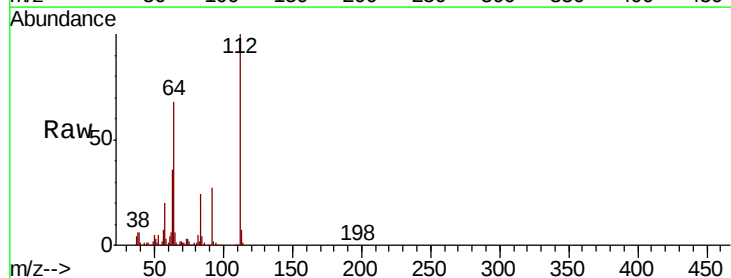
Tot Ion	Ratio	Lower	Upper
152	100		
150	143.0	128.8	193.2
115	60.3	52.6	79.0

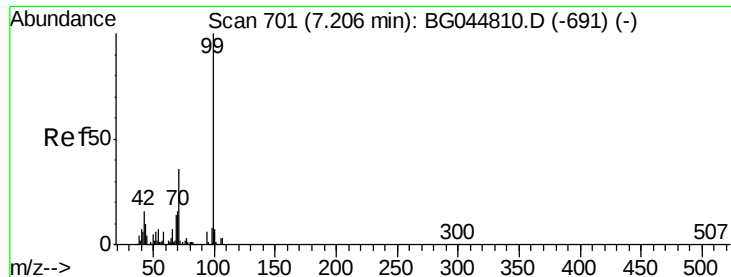


#5

2-Fluorophenol
Concen: 104.702 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	53.4	80.2
63	36.1	29.4	44.2





#7

Phenol-d6

Concen: 90.896 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

Instrument :

BNA_N

ClientSampleId :

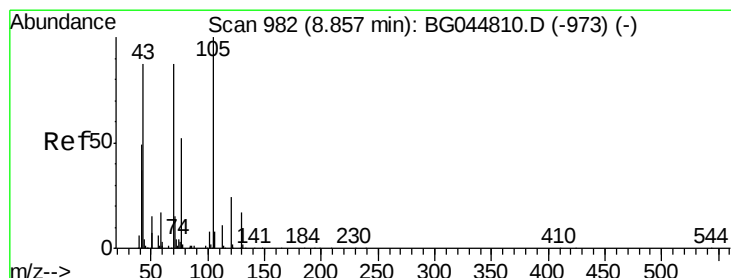
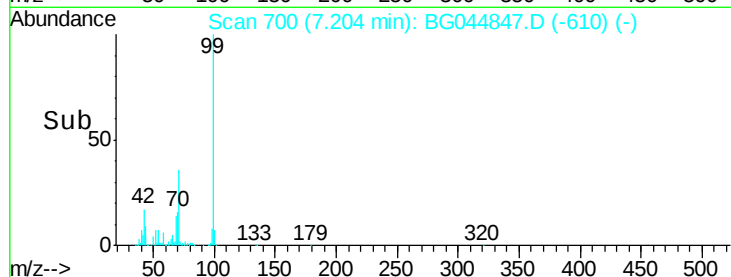
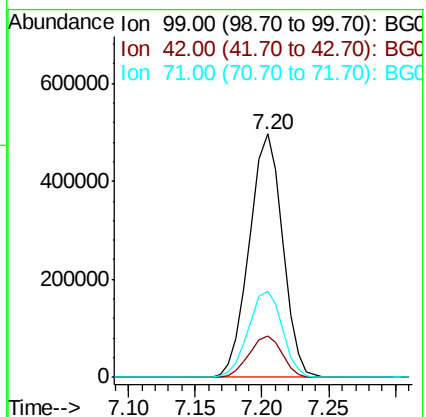
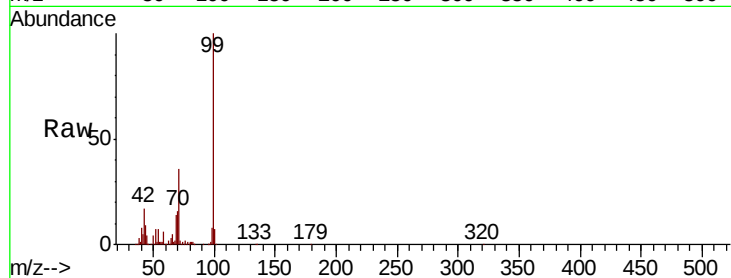
Tot Ion: 99 Resp: 856323

Ion Ratio Lower Upper

99 100

42 17.0 12.6 19.0

71 35.6 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.684 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.35 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

Tgt Ion: 70 Resp: 97678

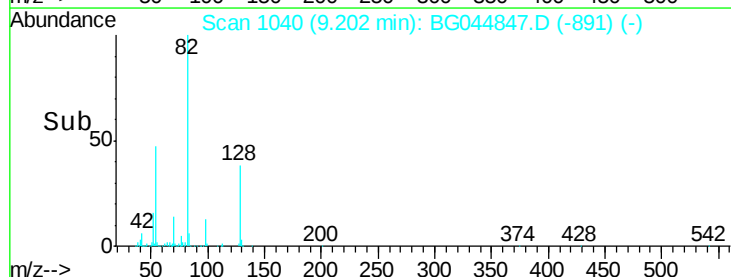
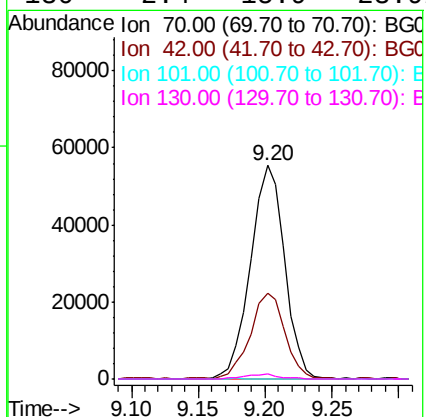
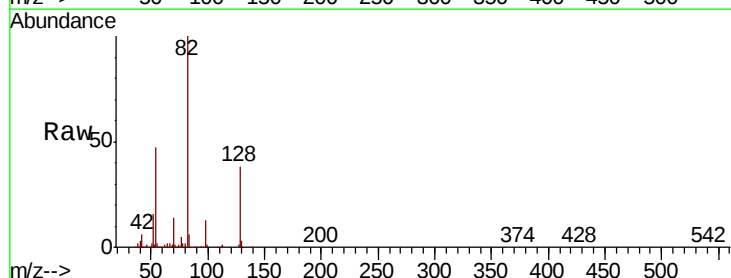
Ion Ratio Lower Upper

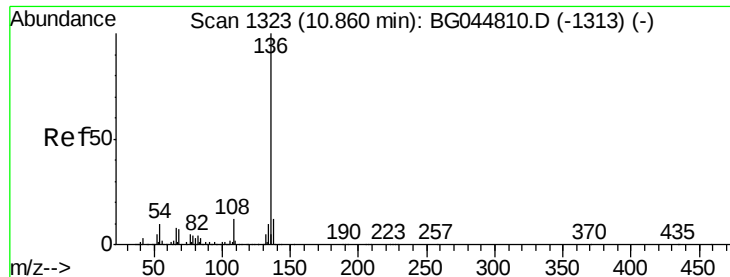
70 100

42 40.2 45.7 68.5#

101 0.0 7.4 11.2#

130 2.4 15.9 23.9#

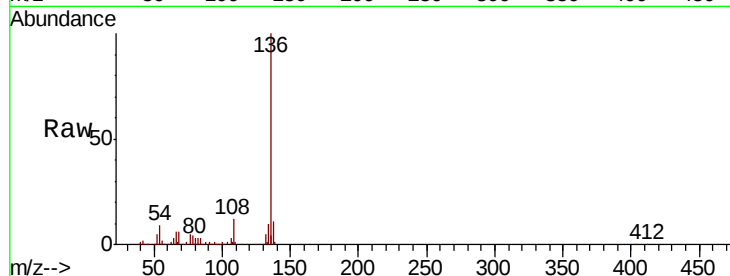




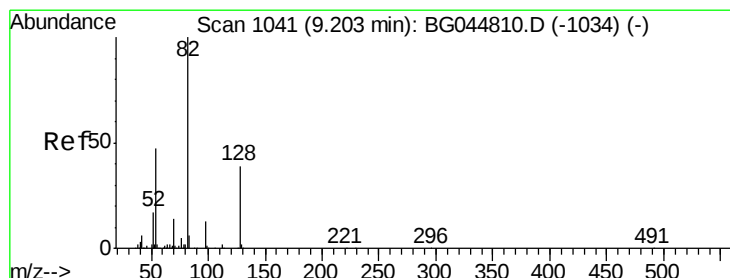
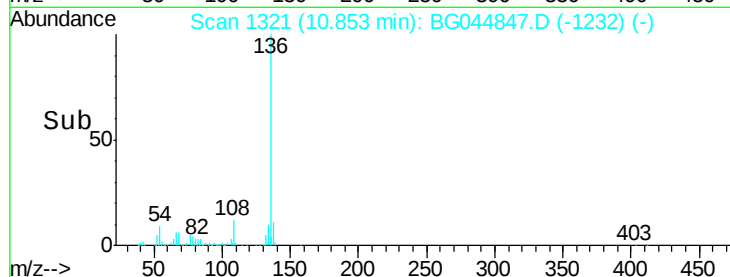
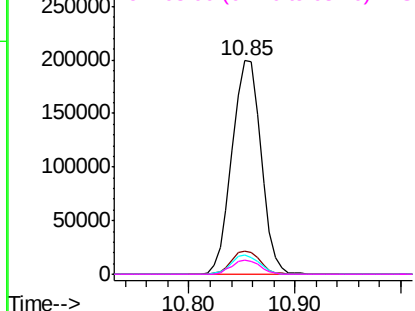
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	378284	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	9.8	14.6	
54 9.1	7.9	11.9	
68 6.5	5.4	8.0	

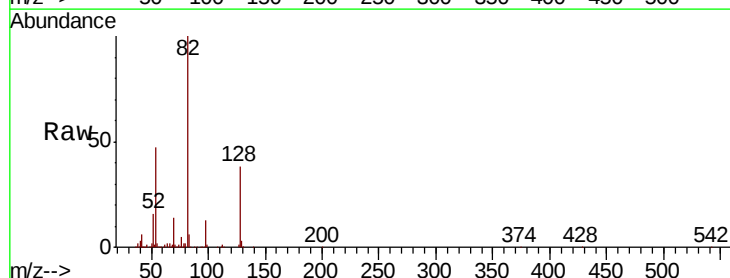


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

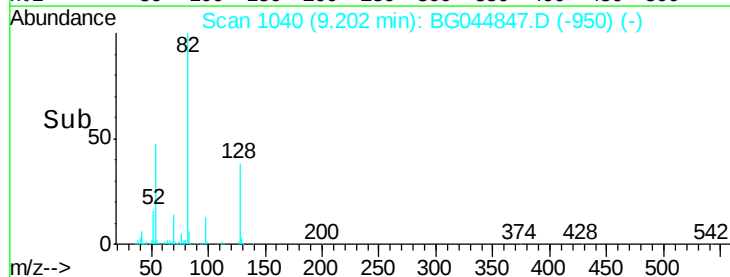
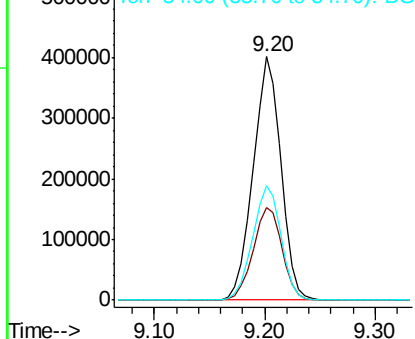


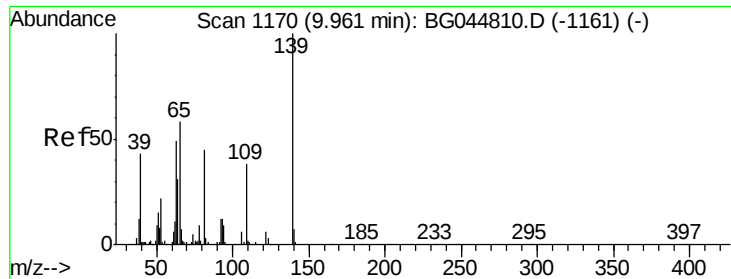
#23
Nitrobenzene-d5
Concen: 82.070 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

Tgt Ion: 82	Resp: 707489
Ion Ratio	Lower Upper
82 100	
128 37.9	30.6 46.0
54 47.1	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

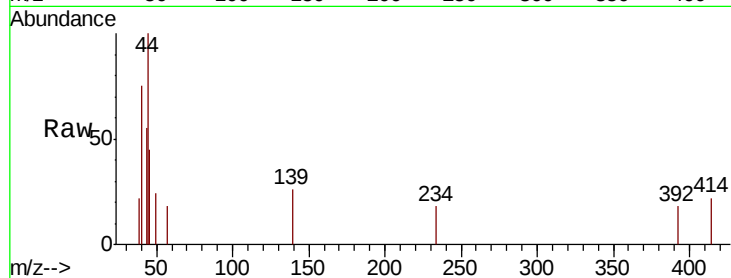




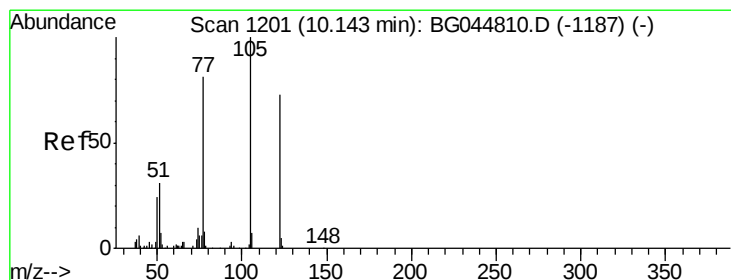
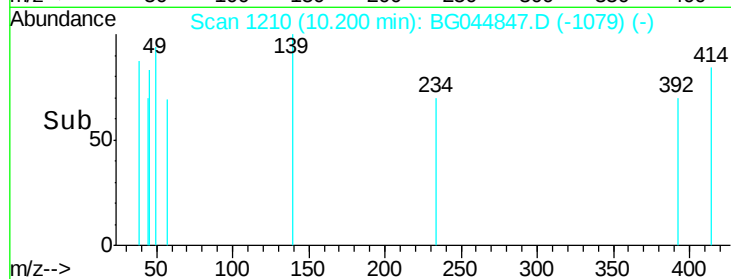
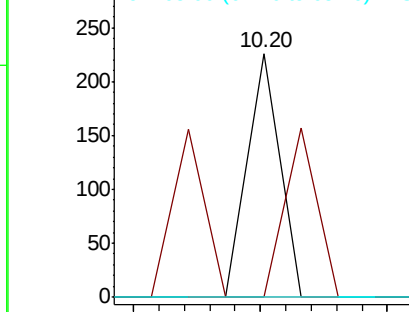
#26
2-Nitrophenol
Concen: 5.538 ng
RT: 10.20 min Scan# 1210
Delta R.T. 0.24 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

Instrument :
BNA_N
ClientSampleId :

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

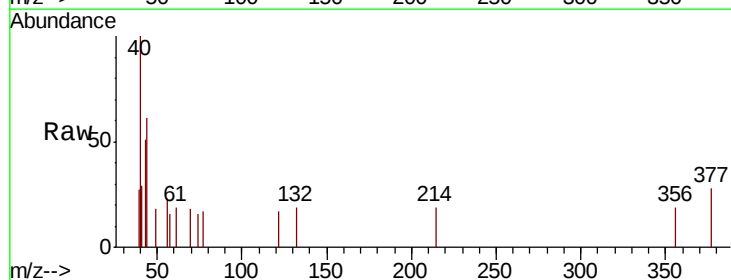


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

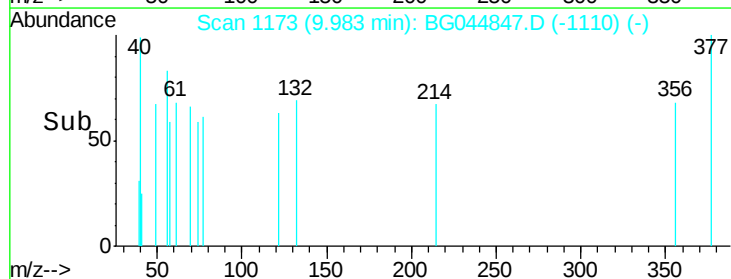
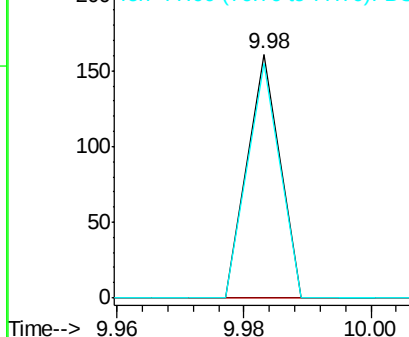


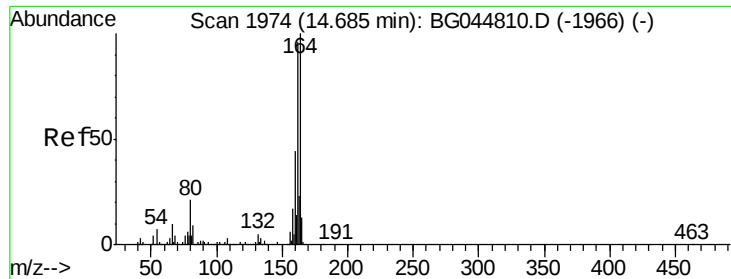
#32
Benzoic acid
Concen: 9.680 ng
RT: 9.98 min Scan# 1173
Delta R.T. -0.16 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	96.3	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: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

Instrument :

BNA_N

ClientSampleId :

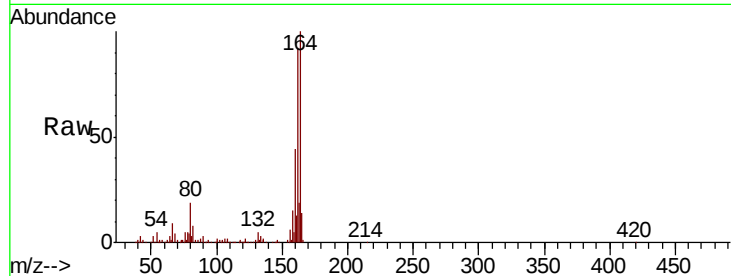
Tot Ion:164 Resp: 257433

Ion Ratio Lower Upper

164 100

162 92.1 76.7 115.1

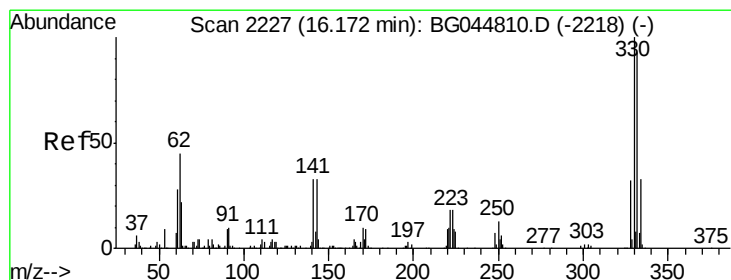
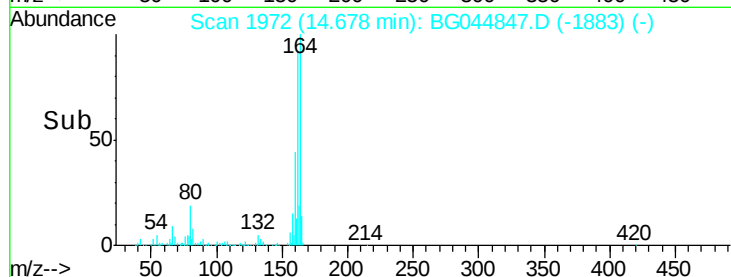
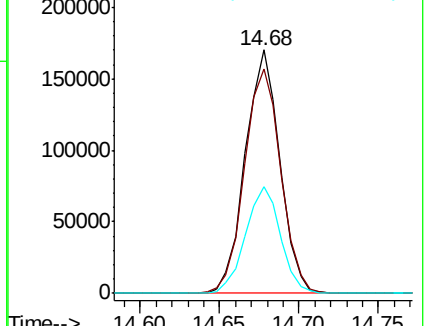
160 43.9 35.0 52.4



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: 138.991 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

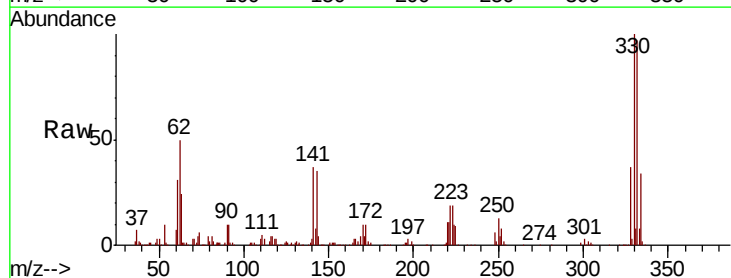
Tgt Ion:330 Resp: 468497

Ion Ratio Lower Upper

330 100

332 97.1 77.8 116.6

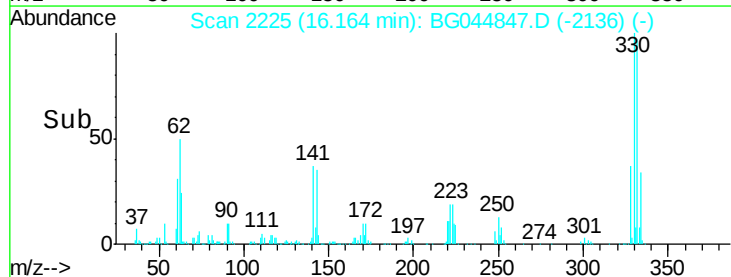
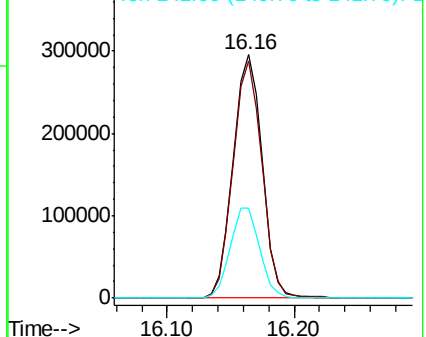
141 37.5 29.5 44.3

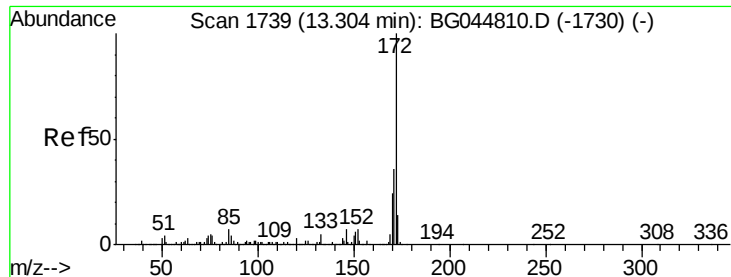


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

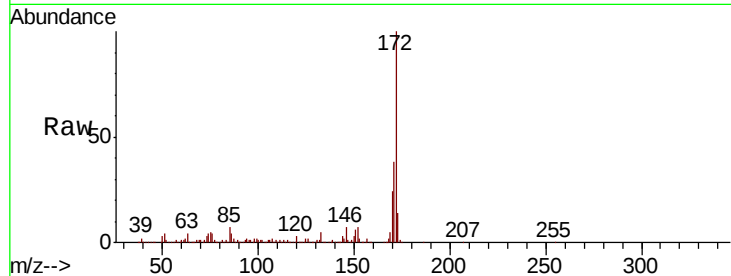




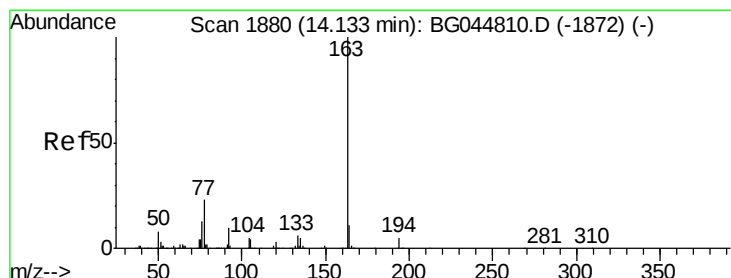
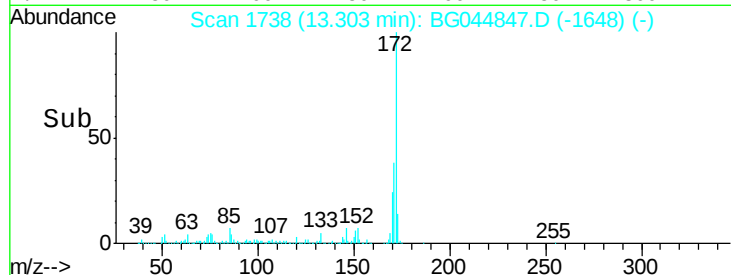
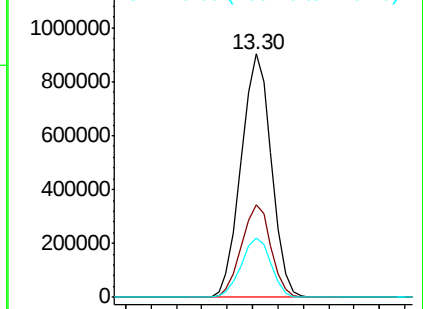
#45
2-Fluorobiphenyl
Concen: 82.803 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

Instrument :
BNA_N
ClientSampleId :

Tot Ion:172 Resp: 1488523
Ion Ratio Lower Upper
172 100
171 38.0 28.7 43.1
170 24.4 19.0 28.6

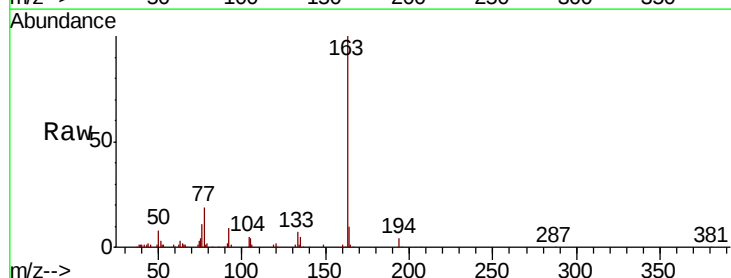


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

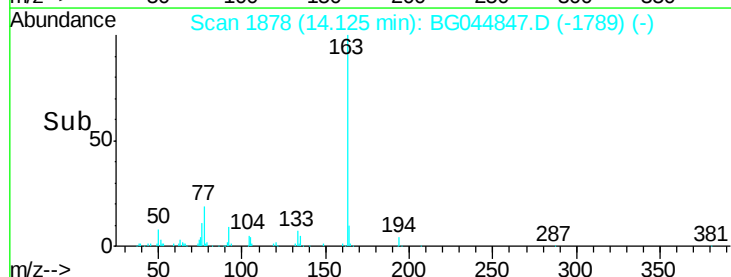
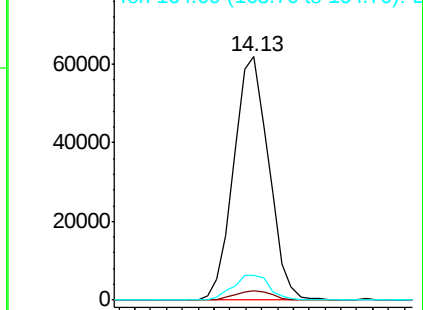


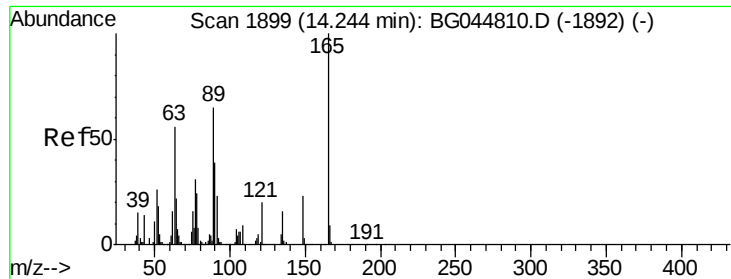
#50
Dimethylphthalate
Concen: 4.614 ng
RT: 14.13 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

Tgt Ion:163 Resp: 94605
Ion Ratio Lower Upper
163 100
194 3.8 3.7 5.5
164 10.0 9.1 13.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.433 ng

RT: 14.68 min Scan# 1972

Delta R.T. 0.43 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

Instrument :

BNA_N

ClientSampleId :

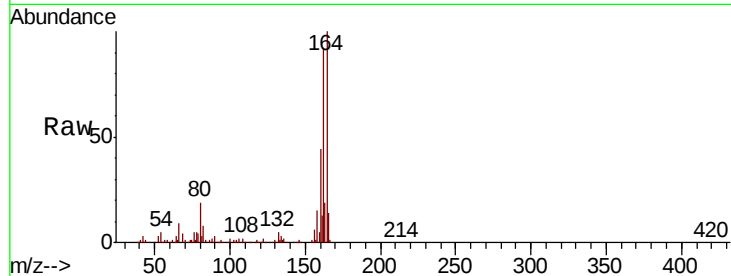
Tot Ion:165 Resp: 34854

Ion Ratio Lower Upper

165 100

63 1.9 45.8 68.8#

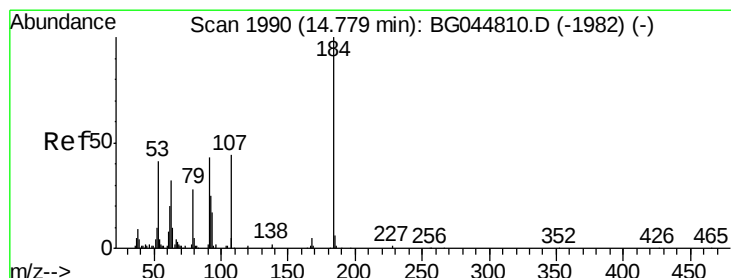
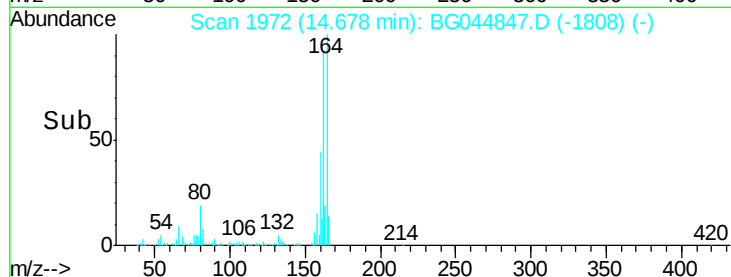
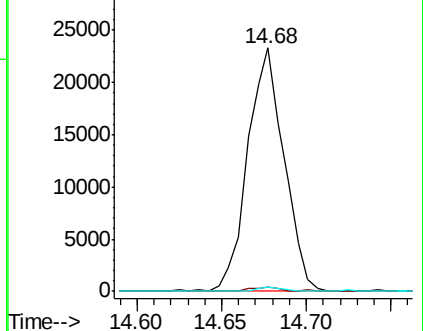
89 2.0 51.8 77.6#



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



#54

2,4-Dinitrophenol

Concen: 8.350 ng

RT: 15.27 min Scan# 2072

Delta R.T. 0.49 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

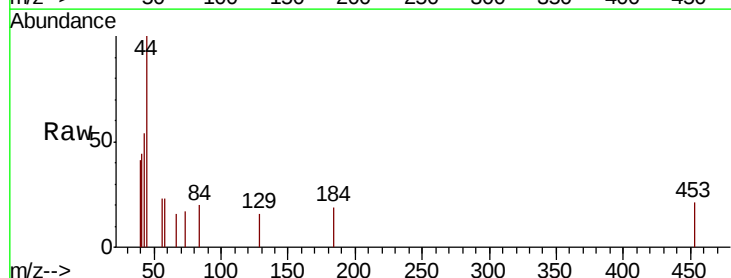
Tgt Ion:184 Resp: 66

Ion Ratio Lower Upper

184 100

63 0.0 45.5 68.3#

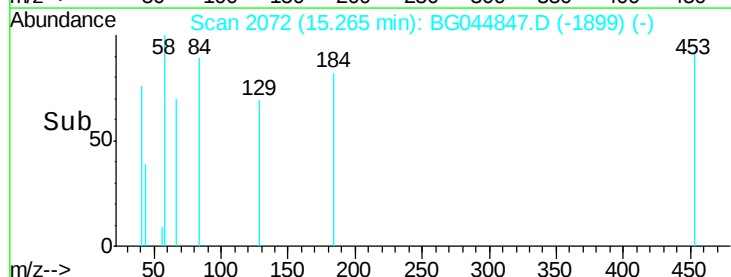
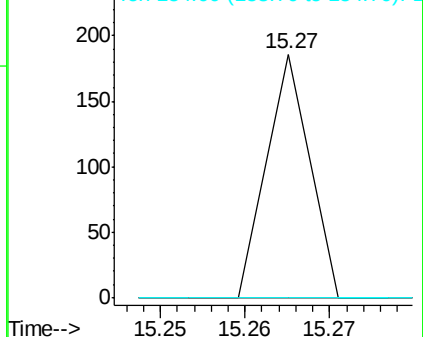
154 0.0 49.1 73.7#

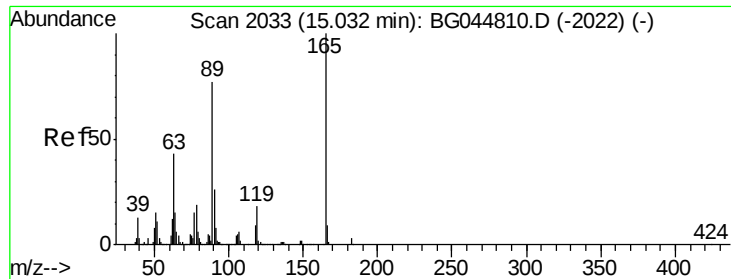


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

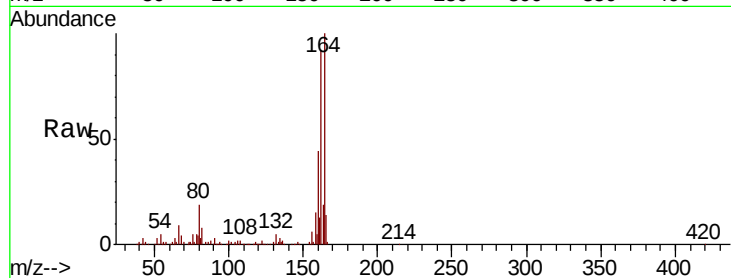




#57
 2,4-Dinitrotoluene
 Concen: 6.149 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.35 min
 Lab File: BG044847.D
 Acq: 18 Mar 2020 00:28

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.6	52.0#
89	2.0	61.3	91.9#
182	0.0	2.2	3.2#

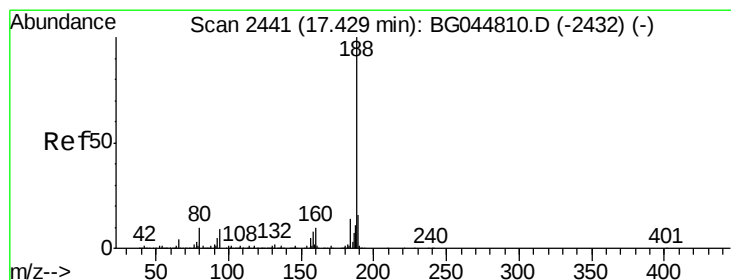
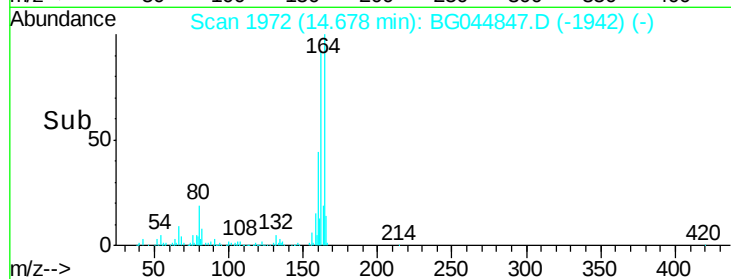
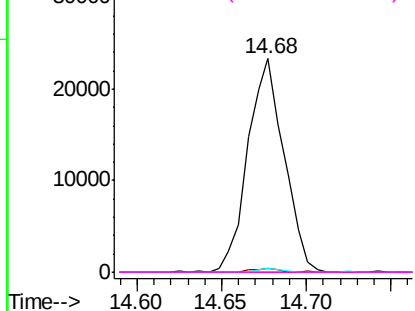


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

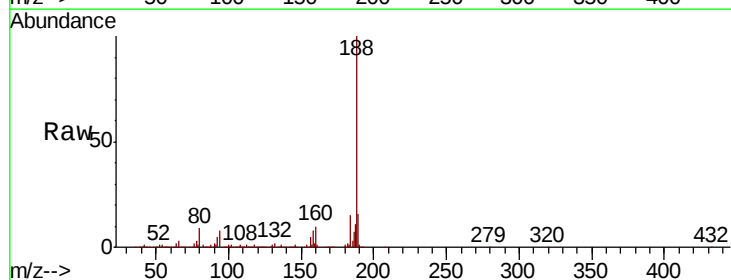
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.01 min
 Lab File: BG044847.D
 Acq: 18 Mar 2020 00:28

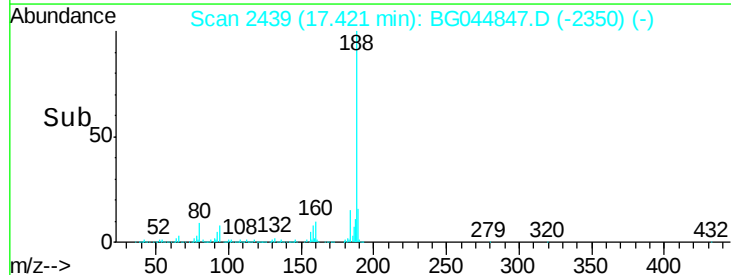
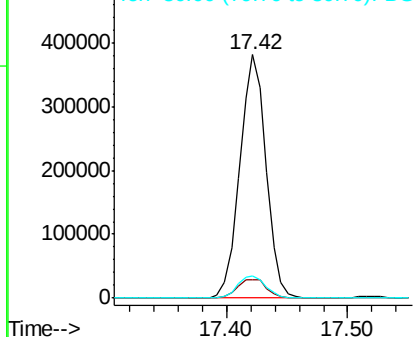
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	7.3	10.9
80	9.3	8.0	12.0

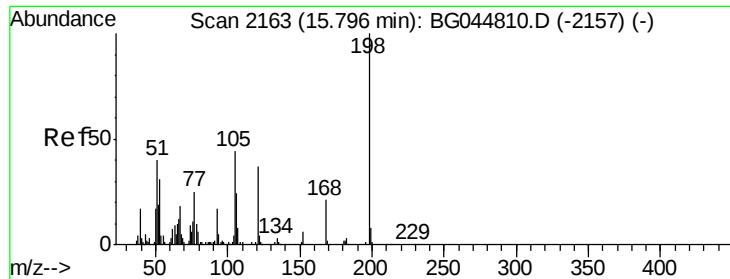


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.747 ng

RT: 15.85 min Scan# 2172

Delta R.T. 0.06 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

Instrument :

BNA_N

ClientSampleId :

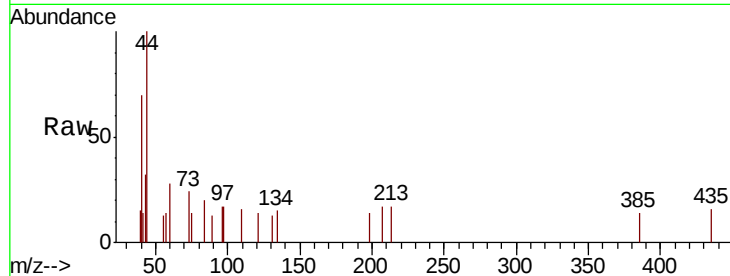
Tot Ion:198 Resp: 60

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

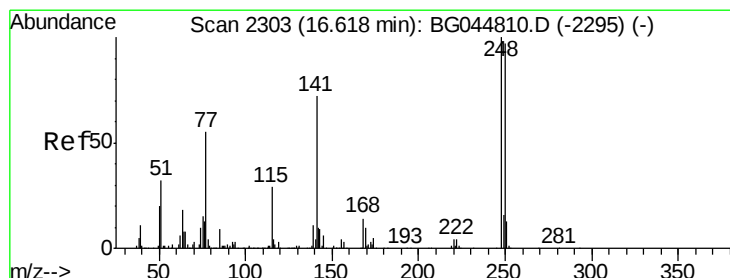
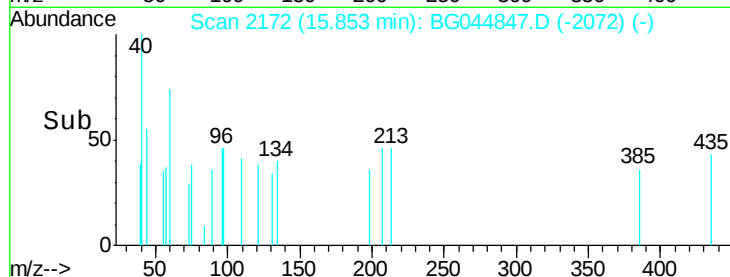
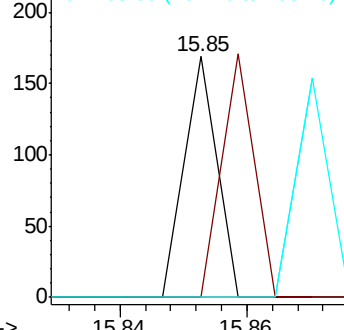
105 0.0 24.5 64.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.407 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.46 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

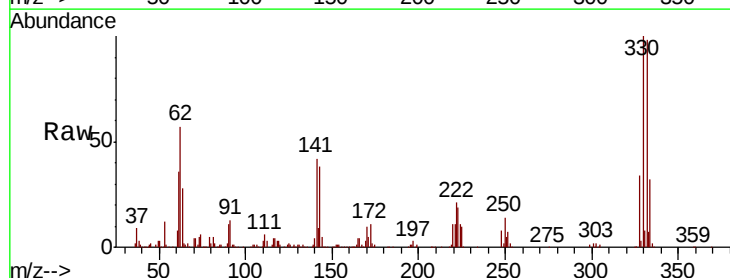
Tgt Ion:248 Resp: 31773

Ion Ratio Lower Upper

248 100

250 188.1 77.9 116.9#

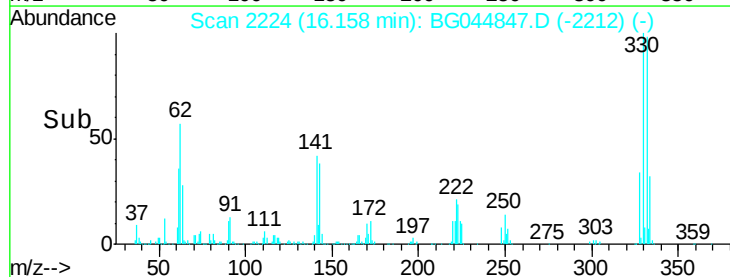
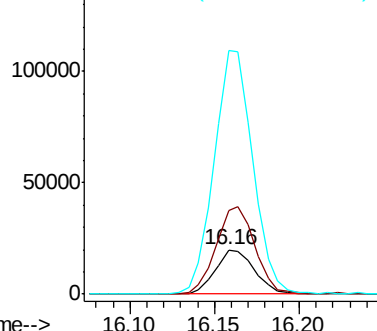
141 551.3 57.5 86.3#

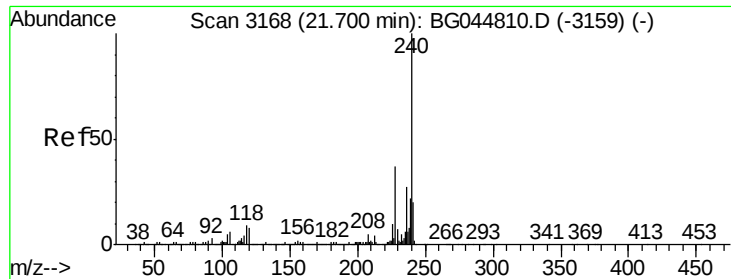


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

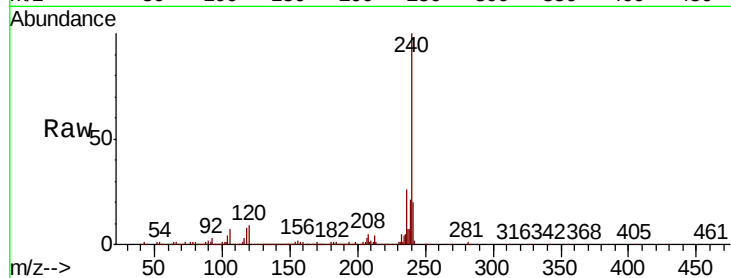




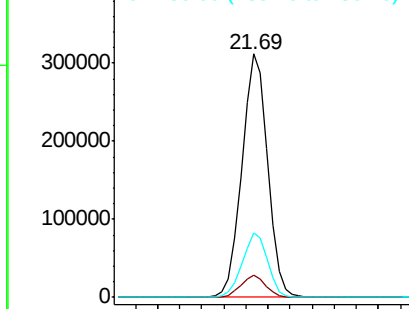
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

Instrument :
BNA_N
ClientSampleId :

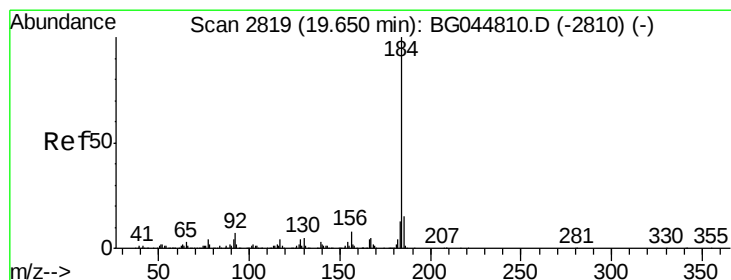
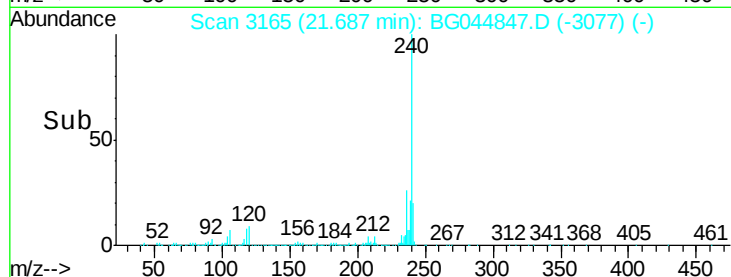
Tot Ion:240 Resp: 510078
Ion Ratio Lower Upper
240 100
120 9.0 6.7 10.1
236 26.3 21.5 32.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

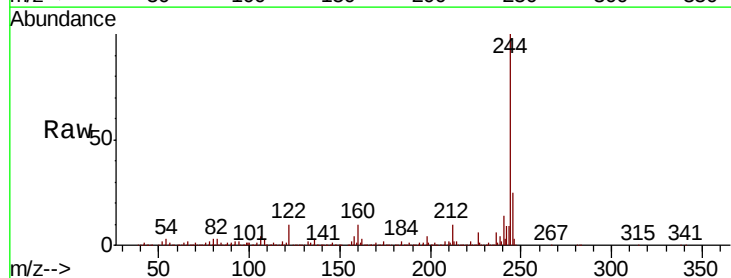


Time--> 21.60 21.70 21.80

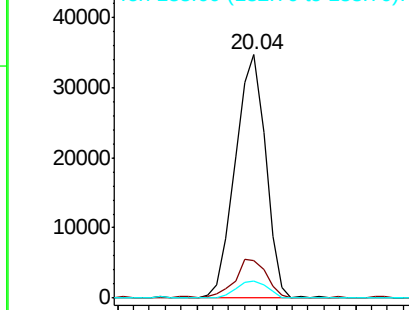


#77
Benzidine
Concen: 2.787 ng
RT: 20.04 min Scan# 2884
Delta R.T. 0.39 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

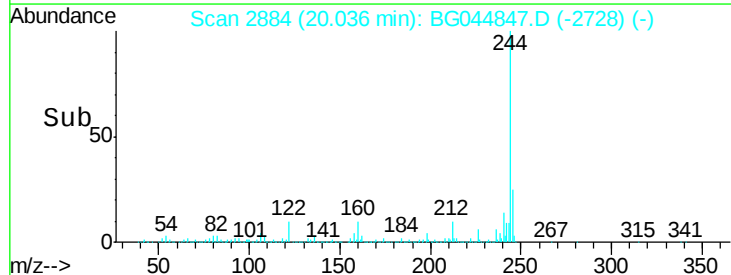
Tgt Ion:184 Resp: 46147
Ion Ratio Lower Upper
184 100
185 15.6 12.2 18.4
183 7.2 10.7 16.1#

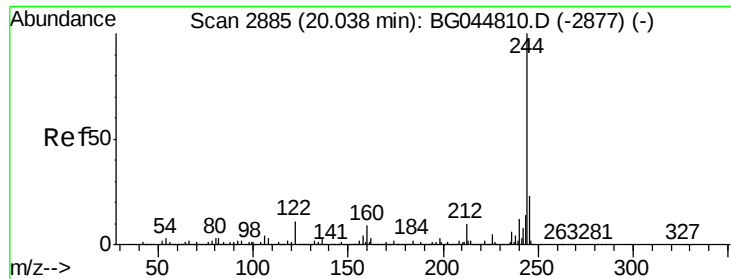


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



Time--> 19.95 20.00 20.05 20.10





#79

Terphenyl-d14

Concen: 86.371 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

Instrument :

BNA_N

ClientSampleId :

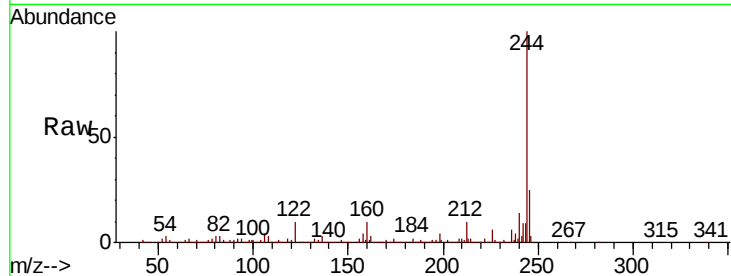
Tot Ion:244 Resp: 2355240

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.7	11.5
122	10.3	8.6	12.8

244 100

212 10.1 7.7 11.5

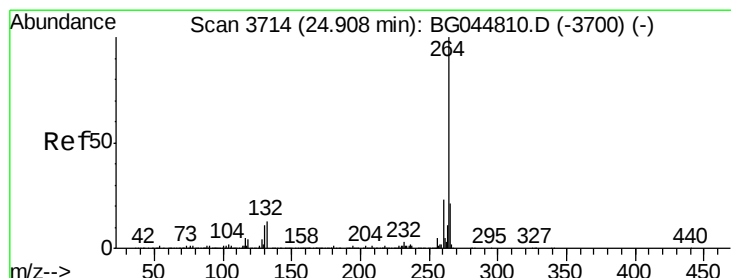
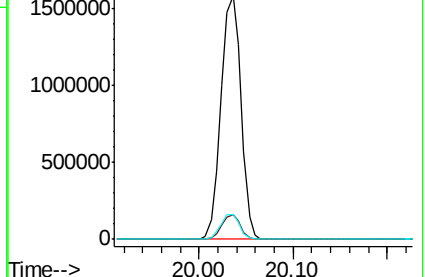
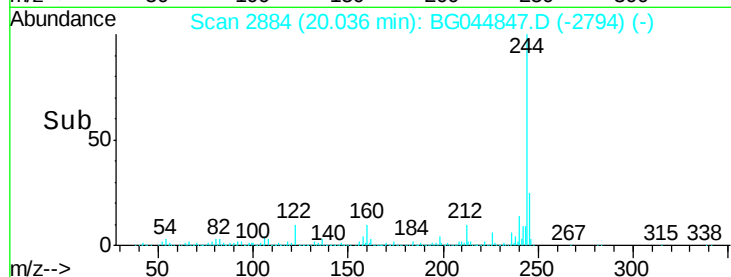
122 10.3 8.6 12.8



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

Perylene-d12

Concen: 20.000 ng

RT: 24.90 min Scan# 3711

Delta R.T. -0.01 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

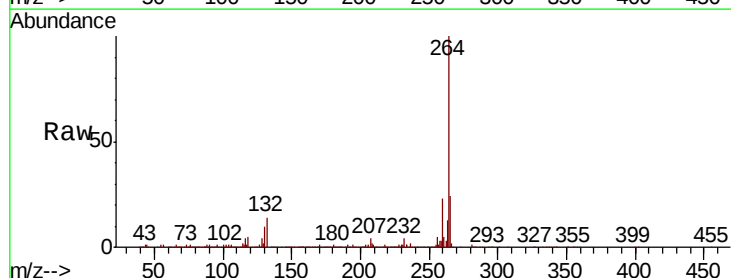
Tgt Ion:264 Resp: 571645

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.1	27.1
265	23.6	17.1	25.7

264 100

260 23.0 18.1 27.1

265 23.6 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

