

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071219\
 Data File : BG041634.D
 Acq On : 12 Jul 2019 11:07
 Operator : HP/JU
 Sample : K3636-12
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 12 15:18:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 05:39:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	105038	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	424014	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	273171	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	644642	20.00	ng	0.00
76) Chrysene-d12	21.66	240	635942	20.00	ng	0.00
87) Perylene-d12	24.86	264	710681	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	268008	42.82	ng	0.00
7) Phenol-d6	7.20	99	229697	27.09	ng	0.00
23) Nitrobenzene-d5	9.21	82	549770	79.02	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	292963	93.78	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1368574	78.76	ng	0.00
79) Terphenyl-d14	20.02	244	2018096	77.56	ng	0.00

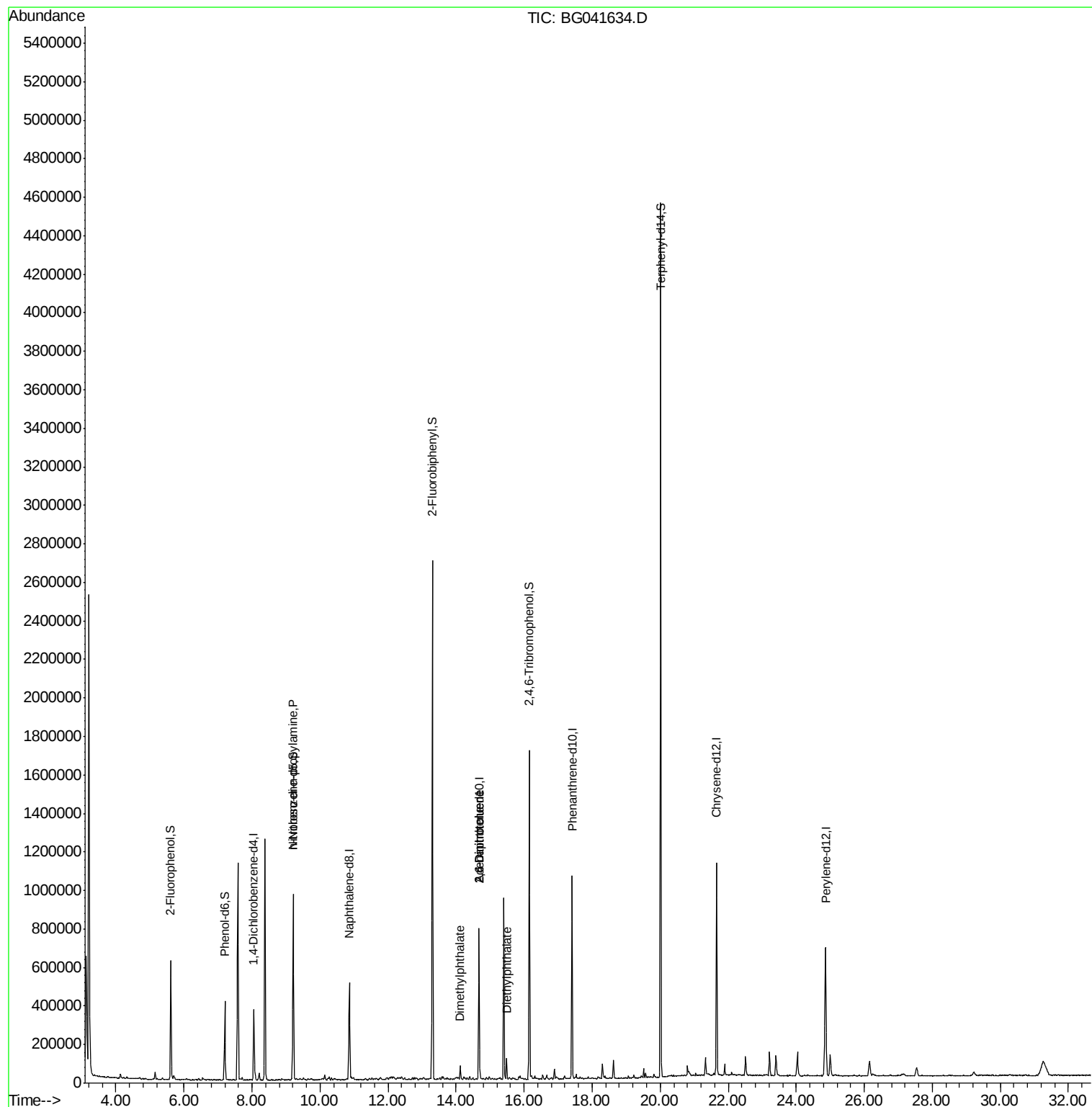
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1074	Below Cal	#	50
19) n-Nitroso-di-n-propylamine	9.21	70	78264	12.566 ng	#	79
50) Dimethylphthalate	14.12	163	47911	2.238 ng	#	98
51) 2,6-Dinitrotoluene	14.67	165	36196	8.477 ng	#	17
57) 2,4-Dinitrotoluene	14.67	165	36196	6.445 ng	#	20
60) Diethylphthalate	15.49	149	57563	2.660 ng	#	98
65) 4,6-Dinitro-2-methylphenol	16.15	198	1013	Below Cal	#	1
66) n-Nitrosodiphenylamine	15.93	169	592	Below Cal	#	79
67) 4-Bromophenyl-phenylether	16.15	248	22696	Below Cal	#	1
69) Atrazine	17.07	200	66	Below Cal	#	33
77) Benzydine	20.02	184	35105	Below Cal	#	97
80) Butylbenzylphthalate	20.70	149	796	Below Cal	#	38
82) 3,3'-Dichlorobenzidine	21.55	252	326	Below Cal	#	24
86) Indeno(1,2,3-cd)pyrene	28.53	276	117	Below Cal	#	31

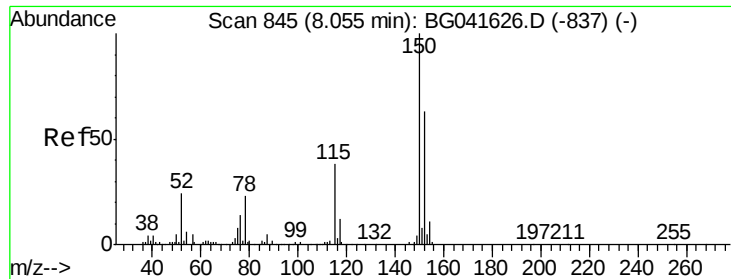
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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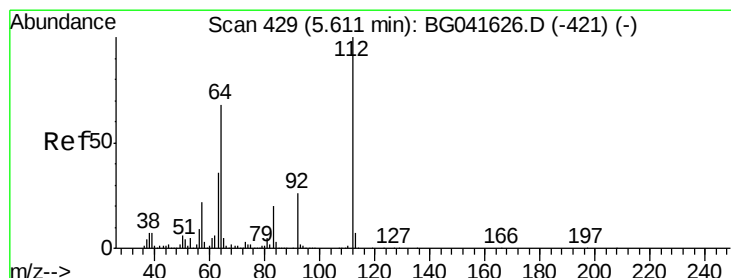
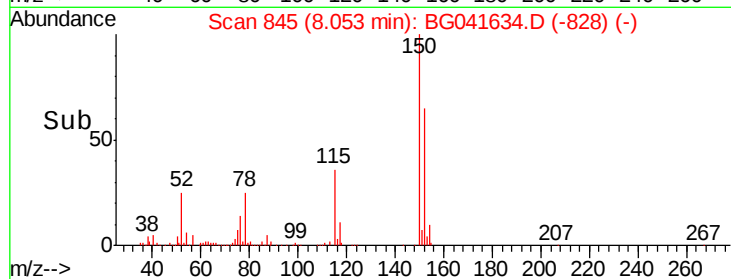
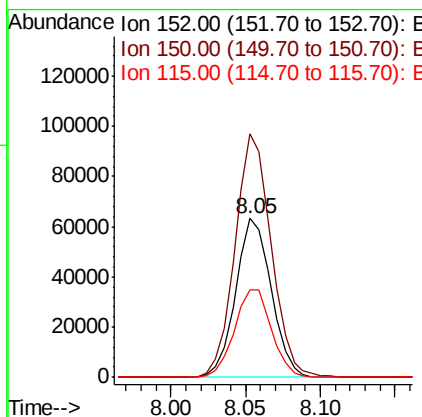
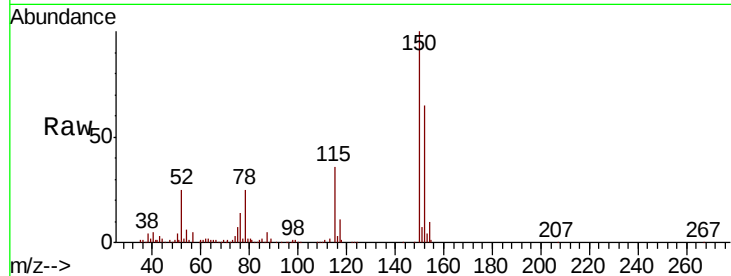


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG041634.D
Acq: 12 Jul 2019 11:07

Instrument :
BNA_G
ClientSampleId :

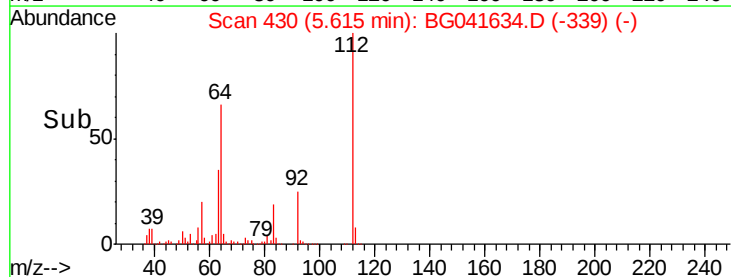
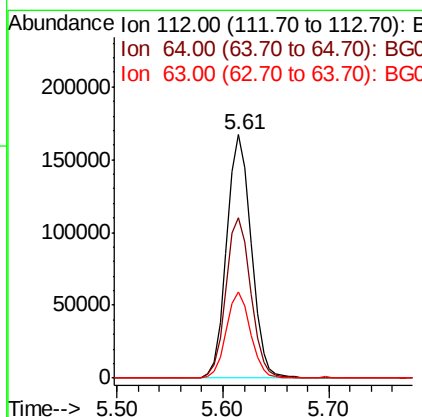
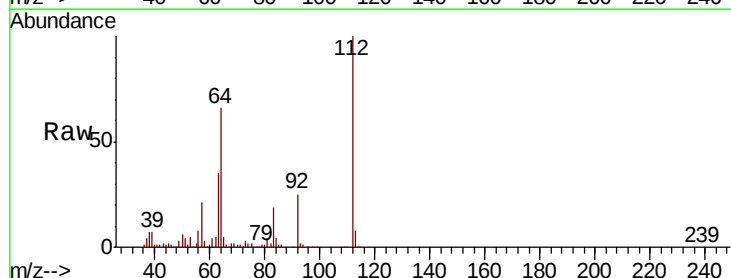
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	120.6	181.0
115	55.2	47.9	71.9

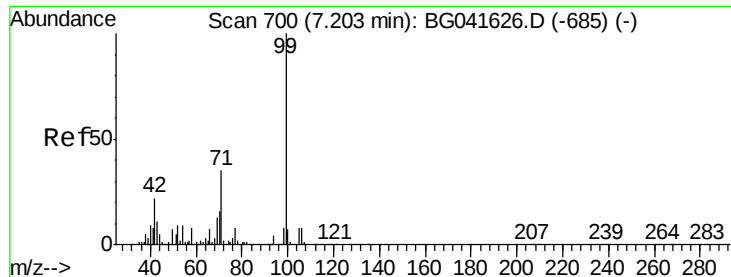


#5

2-Fluorophenol
Concen: 42.817 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG041634.D
Acq: 12 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	55.9	83.9
63	35.4	34.6	51.8





#7

Phenol-d6

Concen: 27.087 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041634.D

Acq: 12 Jul 2019 11:07

Instrument :

BNA_G

ClientSampleId :

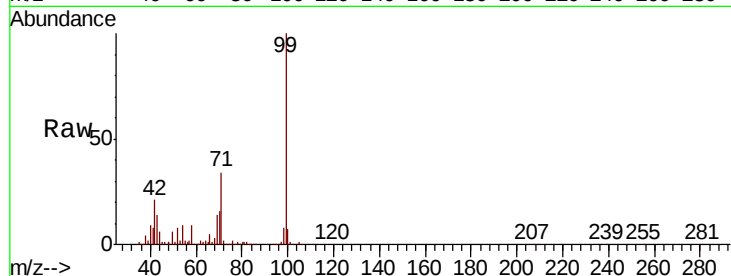
Tot Ion: 99 Resp: 229697

Ion Ratio Lower Upper

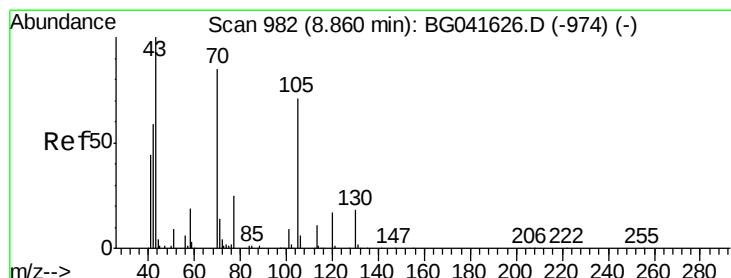
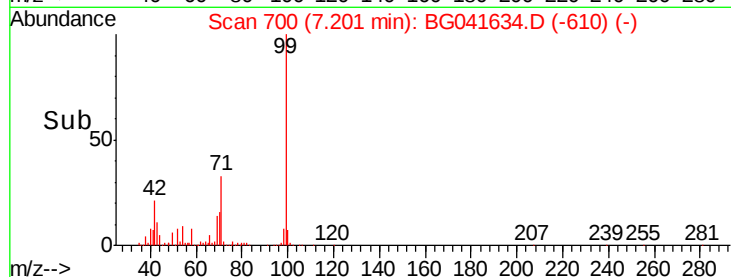
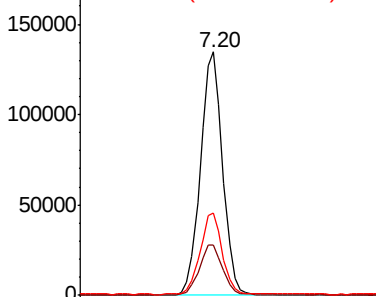
99 100

42 20.9 19.9 29.9

71 33.6 36.4 54.6#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 12.566 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG041634.D

Acq: 12 Jul 2019 11:07

Tgt Ion: 70 Resp: 78264

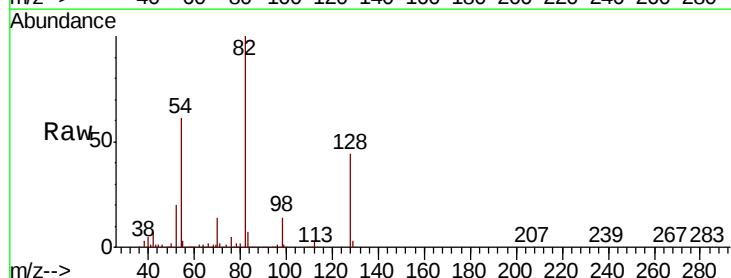
Ion Ratio Lower Upper

70 100

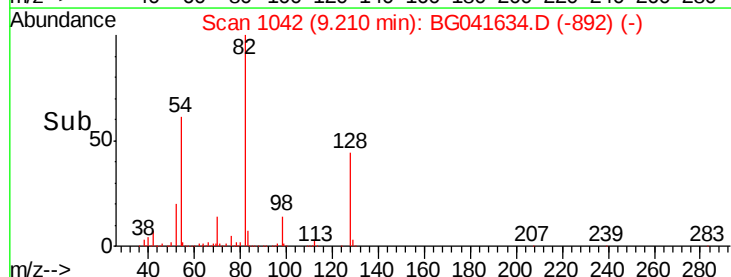
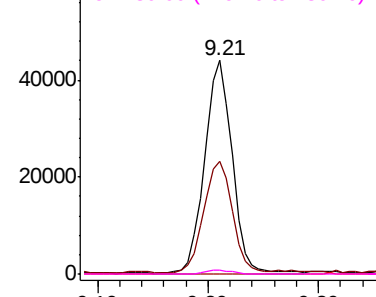
42 53.0 51.4 77.2

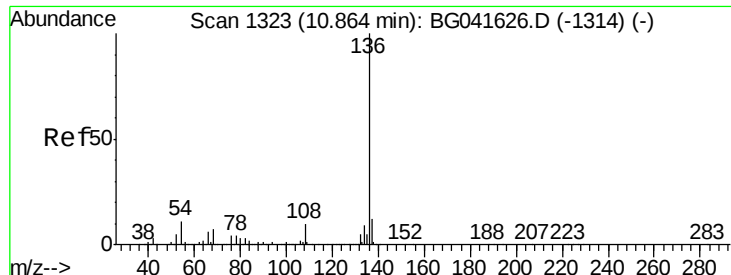
101 0.0 8.2 12.2#

130 1.7 15.2 22.8#



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

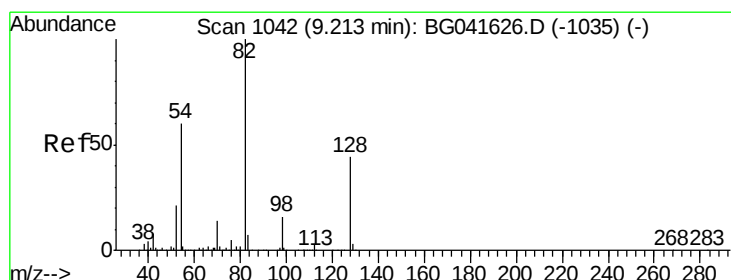
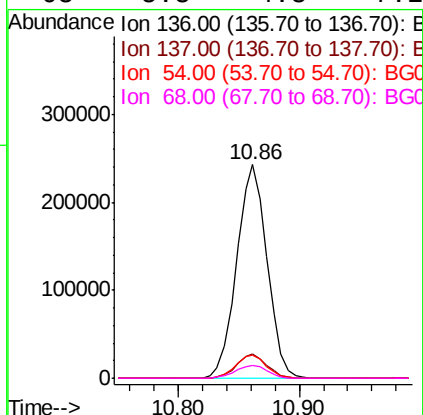
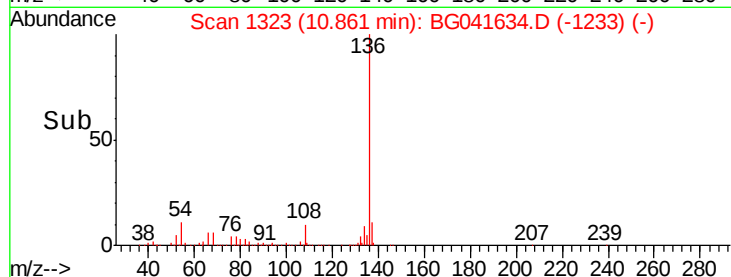
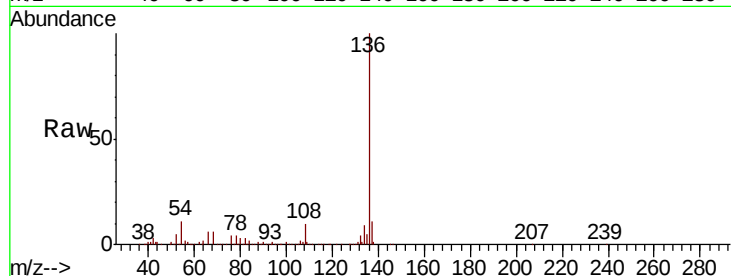




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BG041634.D
Acq: 12 Jul 2019 11:07

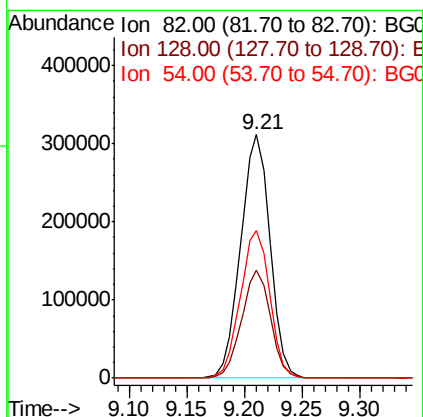
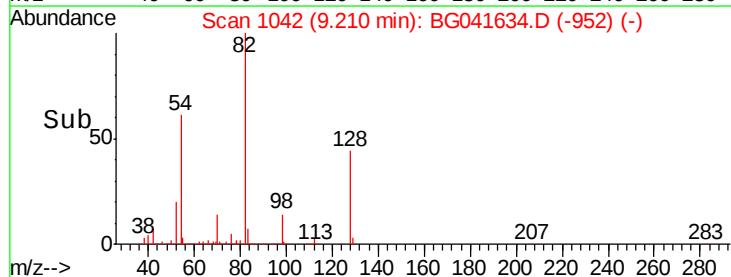
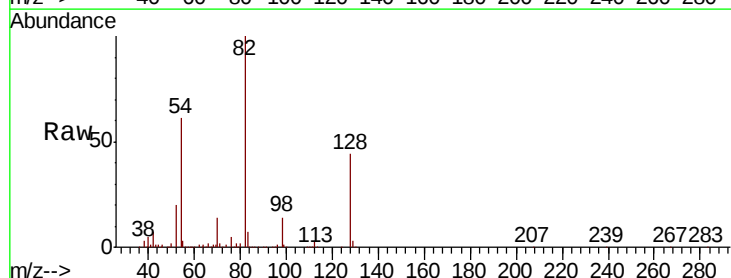
Instrument :
BNA_G
ClientSampleId :

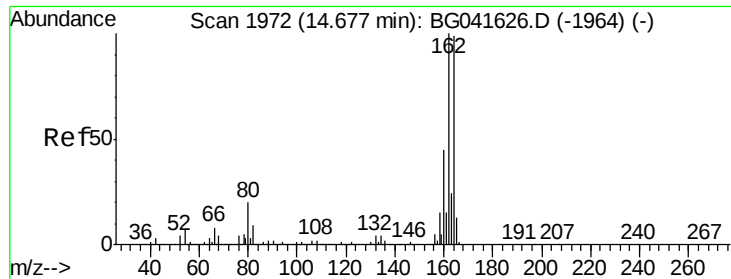
Tot Ion:136	Resp:	424014
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.8 13.2
54	10.9	6.4 9.6#
68	5.8	4.8 7.2



#23
Nitrobenzene-d5
Concen: 79.019 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG041634.D
Acq: 12 Jul 2019 11:07

Tgt Ion: 82	Resp:	549770
Ion	Ratio	Lower Upper
82	100	
128	44.2	29.2 43.8#
54	60.8	43.4 65.0

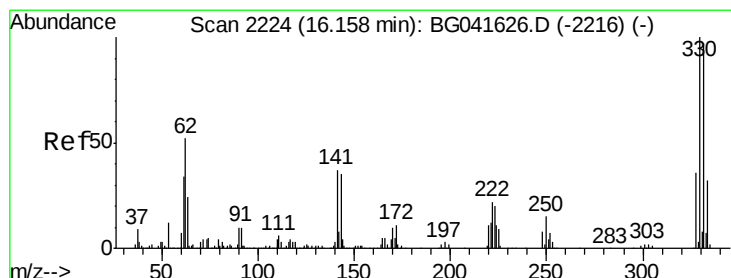
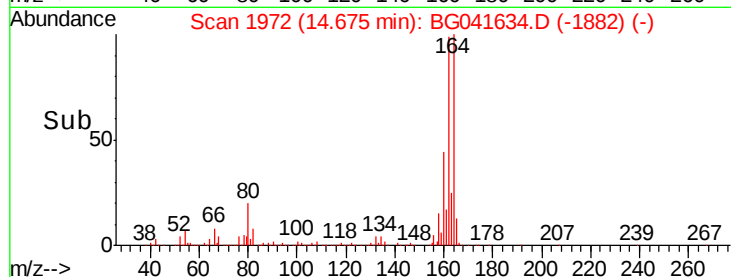
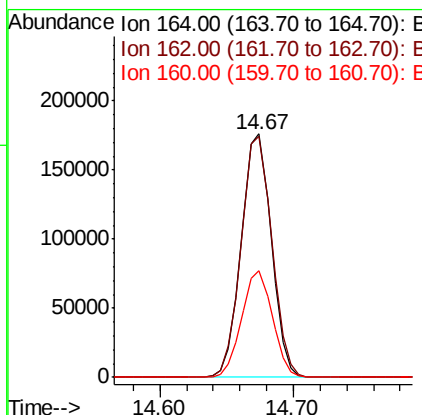
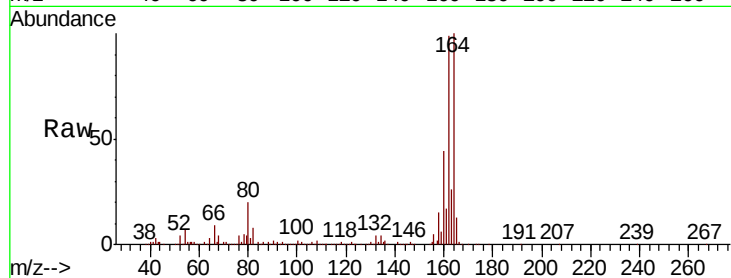




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BG041634.D
Acq: 12 Jul 2019 11:07

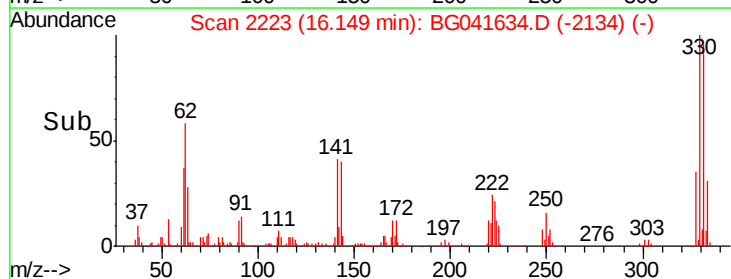
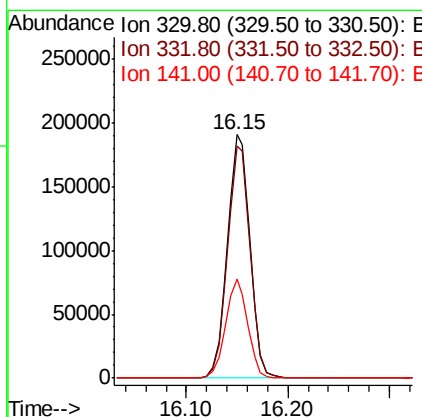
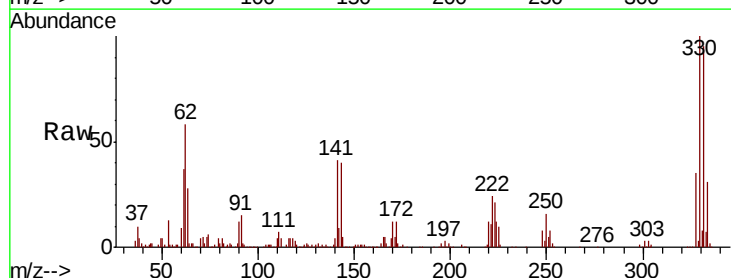
Instrument :
BNA_G
ClientSampleId :

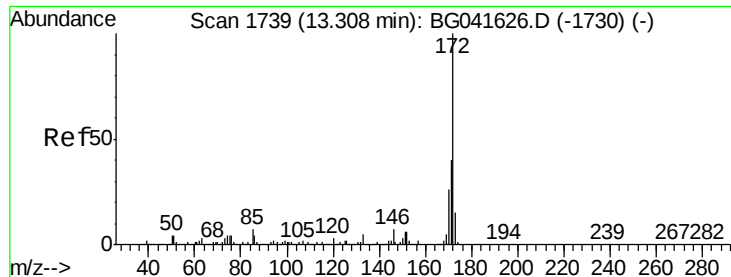
Tot Ion:164 Resp: 273171
Ion Ratio Lower Upper
164 100
162 98.8 82.8 124.2
160 44.0 35.8 53.8



#42
2,4,6-Tribromophenol
Concen: 93.785 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG041634.D
Acq: 12 Jul 2019 11:07

Tgt Ion:330 Resp: 292963
Ion Ratio Lower Upper
330 100
332 95.7 75.5 113.3
141 39.7 29.0 43.4

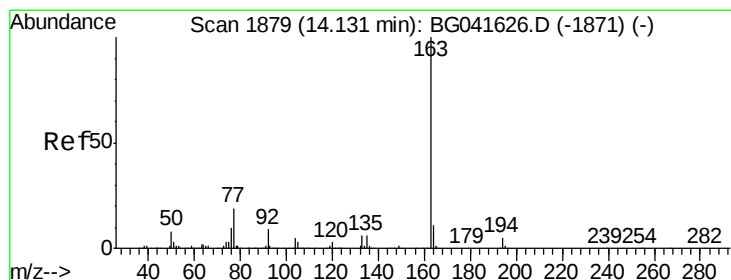
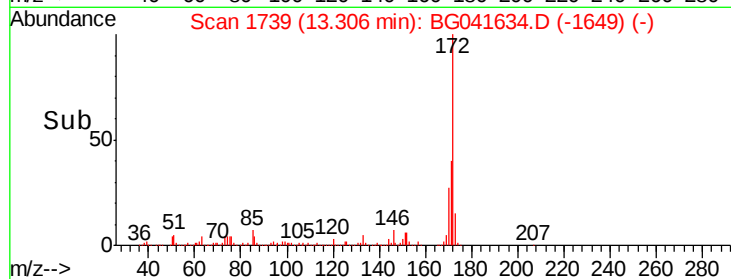
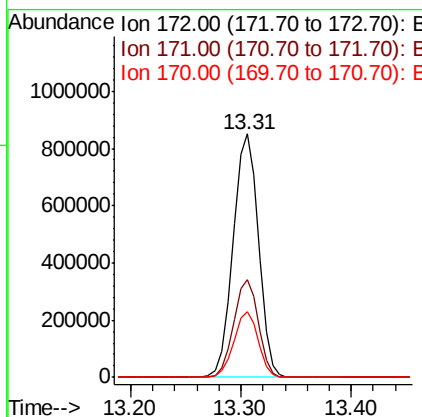
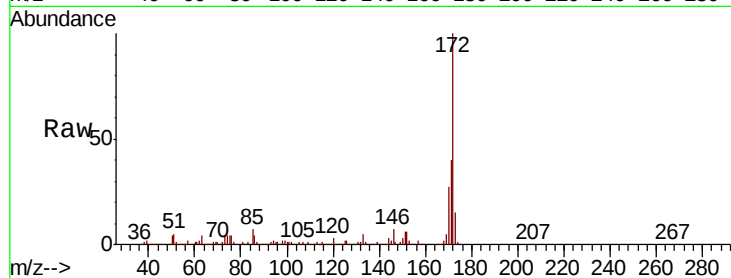




#45
2-Fluorobiphenyl
Concen: 78.764 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.00 min
Lab File: BG041634.D
Acq: 12 Jul 2019 11:07

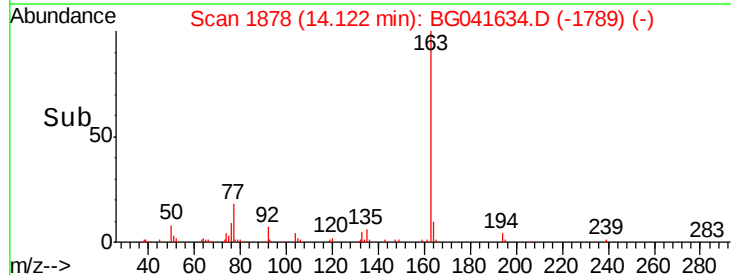
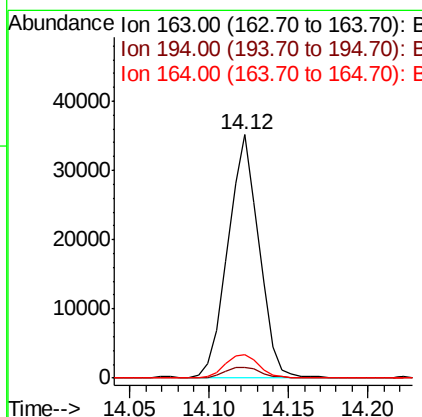
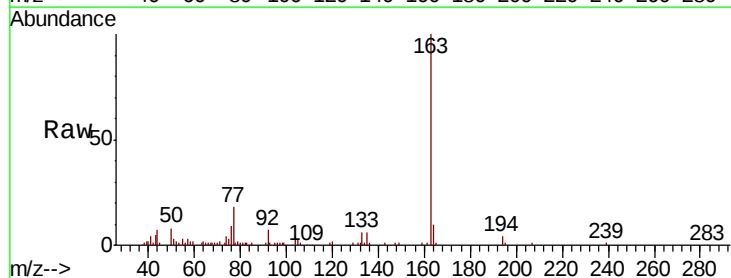
Instrument :
BNA_G
ClientSampled :

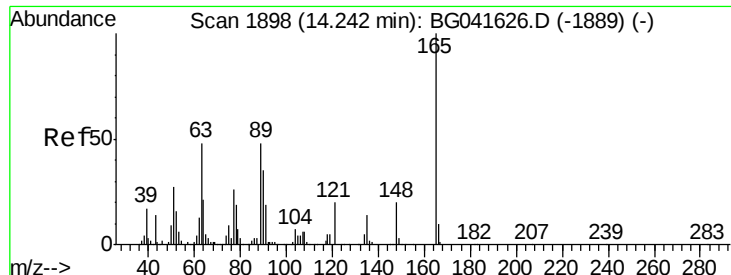
Tot Ion:172 Resp: 1368574
Ion Ratio Lower Upper
172 100
171 40.1 30.0 45.0
170 27.1 19.8 29.6



#50
Dimethylphthalate
Concen: 2.238 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG041634.D
Acq: 12 Jul 2019 11:07

Tgt Ion:163 Resp: 47911
Ion Ratio Lower Upper
163 100
194 4.2 3.9 5.9
164 9.6 8.3 12.5

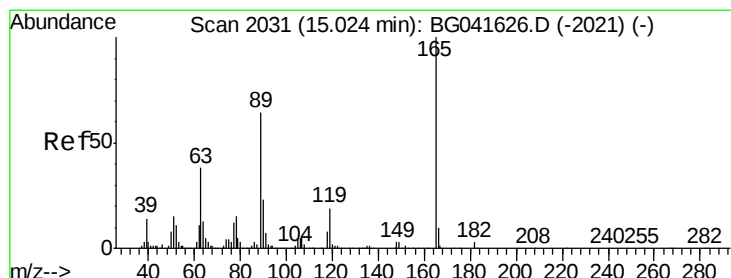
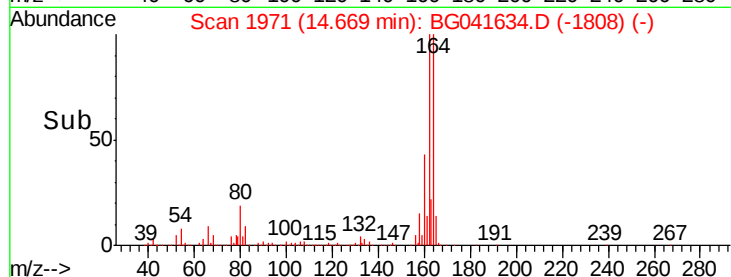
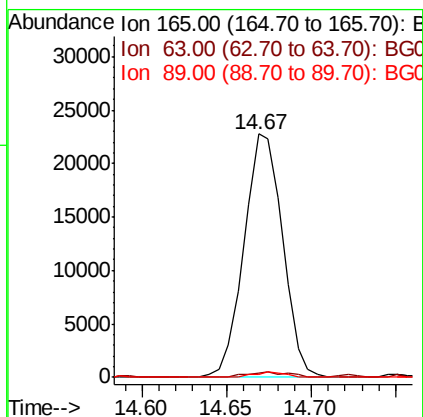
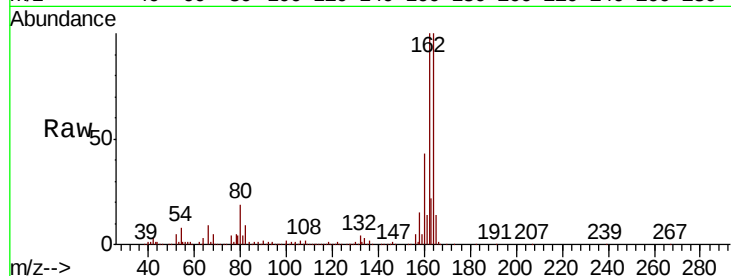




#51
 2,6-Dinitrotoluene
 Concen: 8.477 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.43 min
 Lab File: BG041634.D
 Acq: 12 Jul 2019 11:07

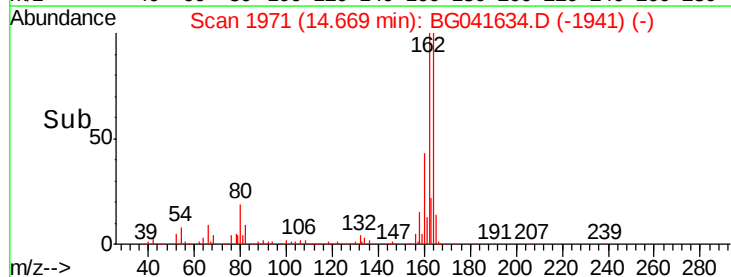
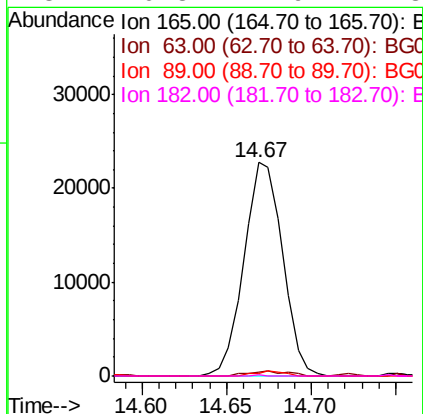
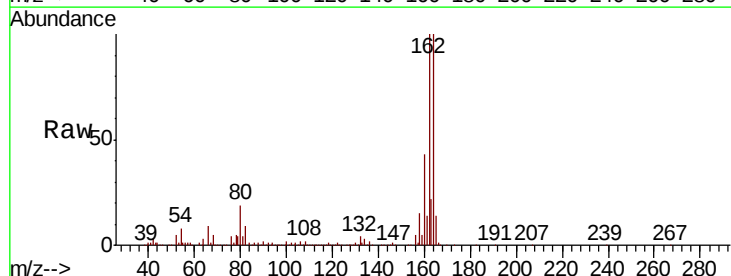
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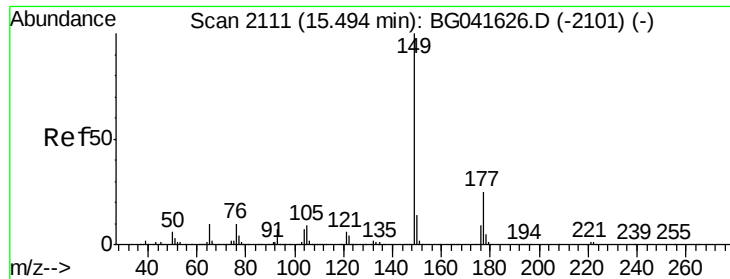
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	55.4	83.0#
89	1.3	56.5	84.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.445 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.35 min
 Lab File: BG041634.D
 Acq: 12 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	40.0	60.0#
89	1.3	64.6	96.8#
182	0.8	2.9	4.3#





#60

Diethylphthalate

Concen: 2.660 ng

RT: 15.49 min Scan# 2110

Delta R.T. -0.01 min

Lab File: BG041634.D

Acq: 12 Jul 2019 11:07

Instrument :

BNA_G

ClientSampleId :

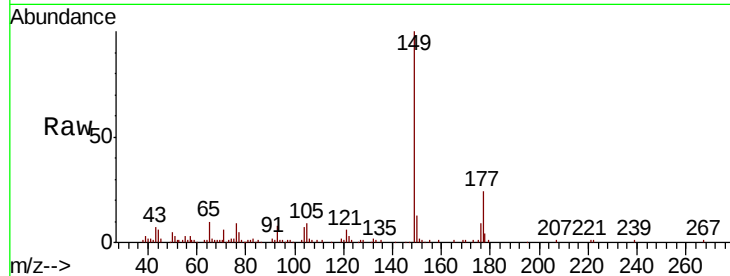
Tot Ion:149 Resp: 57563

Ion Ratio Lower Upper

149 100

177 23.7 18.4 27.6

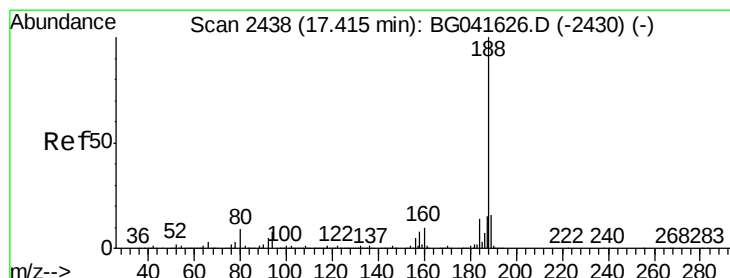
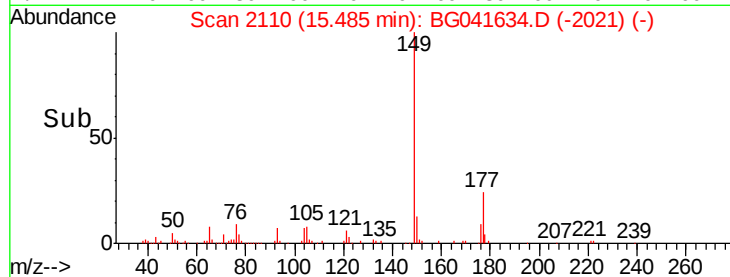
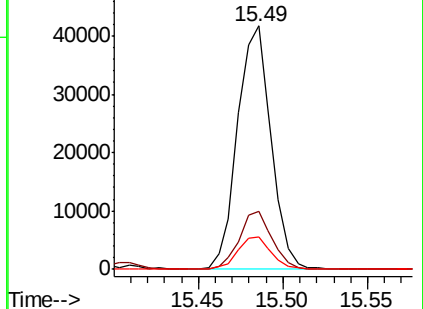
150 13.3 9.9 14.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG041634.D

Acq: 12 Jul 2019 11:07

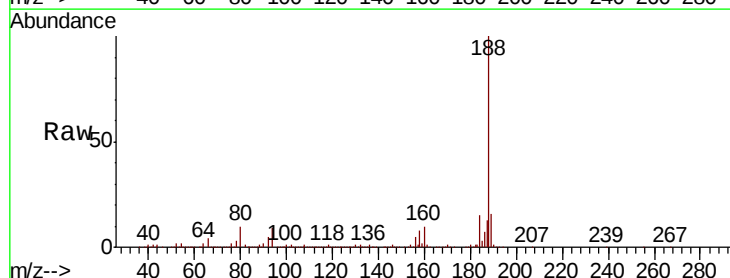
Tgt Ion:188 Resp: 644642

Ion Ratio Lower Upper

188 100

94 8.7 3.6 5.4#

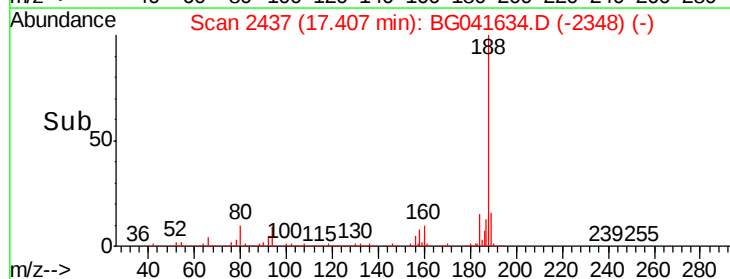
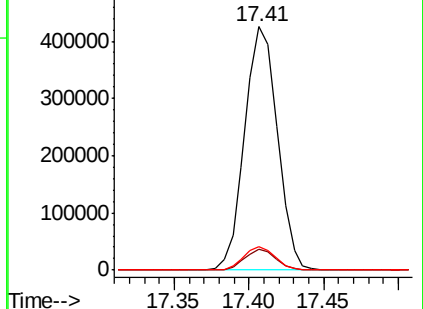
80 9.7 4.8 7.2#

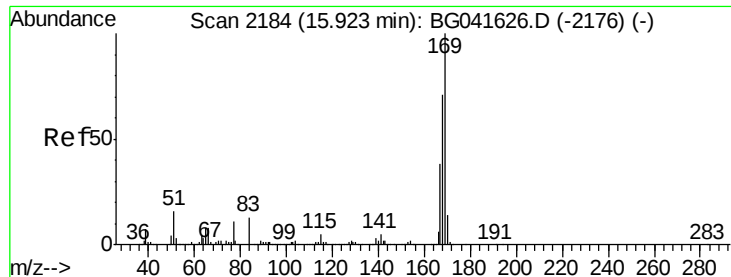


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#66

n-Nitrosodiphenylamine

Concen: Below Cal

RT: 15.93 min Scan# 2185

Delta R.T. 0.00 min

Lab File: BG041634.D

Acq: 12 Jul 2019 11:07

Instrument :

BNA_G

ClientSampleId :

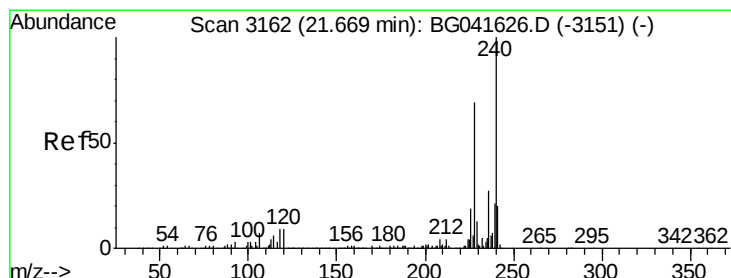
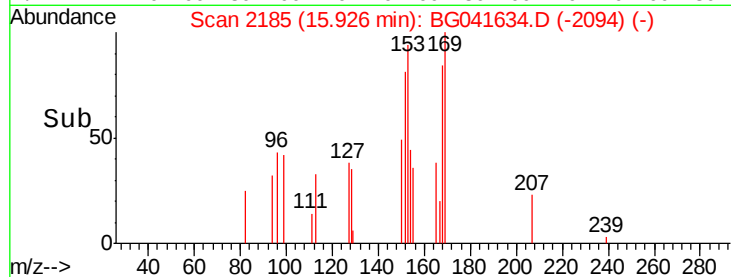
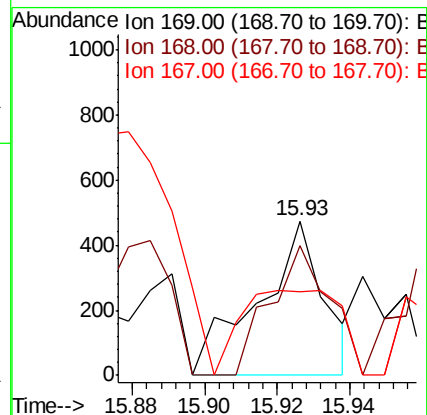
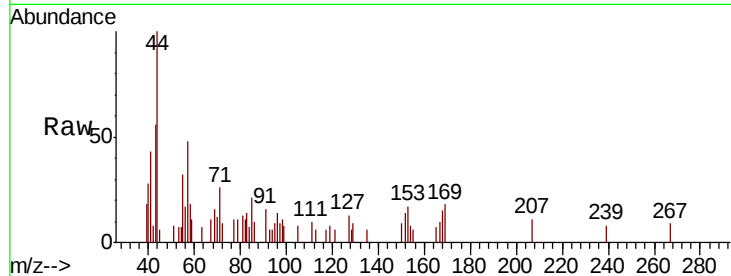
Tot Ion:169 Resp: 592

Ion Ratio Lower Upper

169 100

168 84.0 55.2 82.8#

167 53.9 30.4 45.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG041634.D

Acq: 12 Jul 2019 11:07

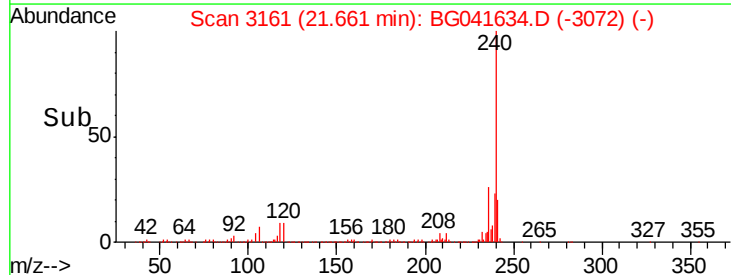
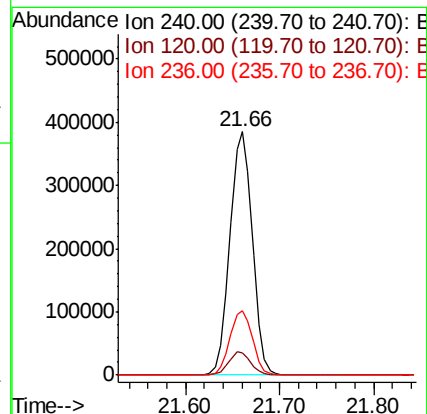
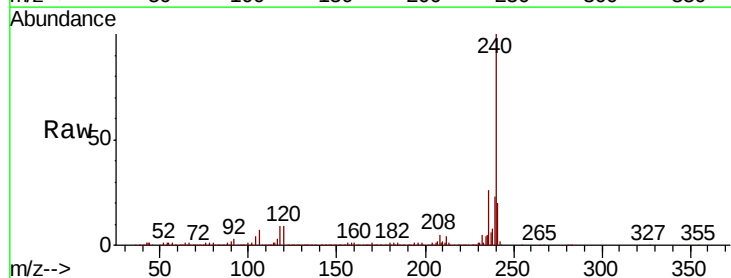
Tgt Ion:240 Resp: 635942

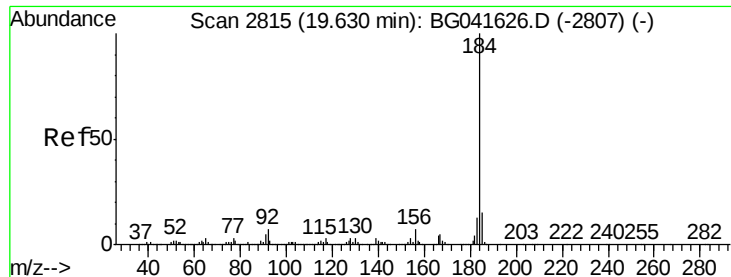
Ion Ratio Lower Upper

240 100

120 9.0 3.7 5.5#

236 26.3 21.1 31.7





#77

Benzidine

Concen: Below Cal

RT: 20.02 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG041634.D

Acq: 12 Jul 2019 11:07

Instrument :

BNA_G

ClientSampleId :

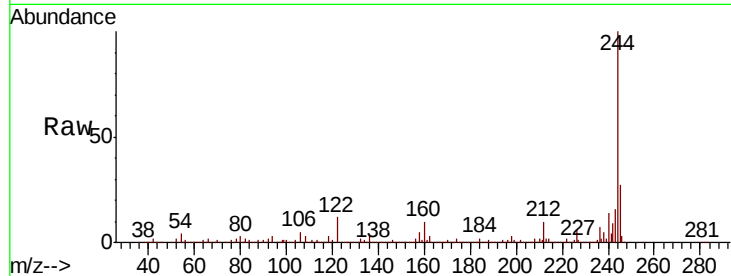
Tot Ion:184 Resp: 35105

Ion Ratio Lower Upper

184 100

185 14.6 12.2 18.2

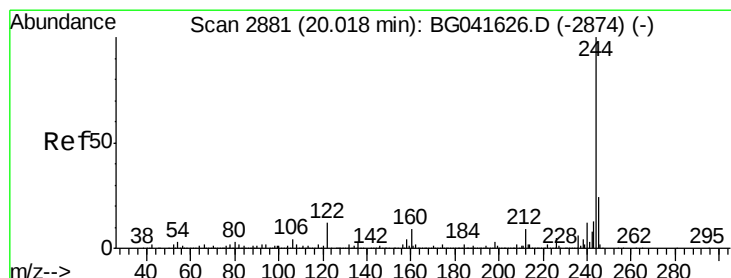
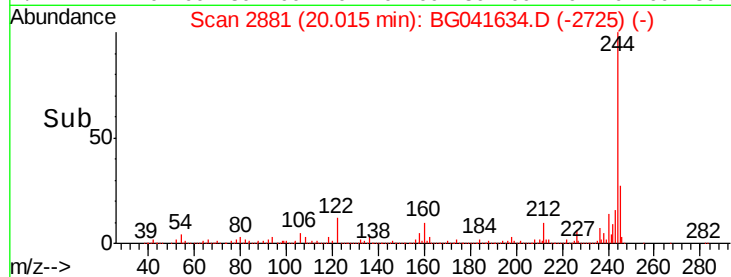
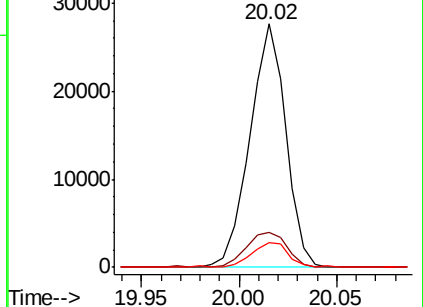
183 10.1 9.6 14.4



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: 77.559 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG041634.D

Acq: 12 Jul 2019 11:07

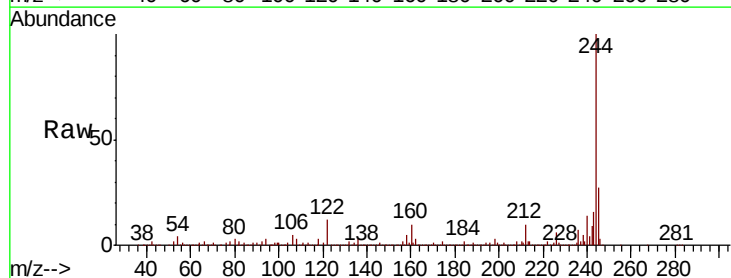
Tgt Ion:244 Resp: 2018096

Ion Ratio Lower Upper

244 100

212 10.0 6.6 10.0#

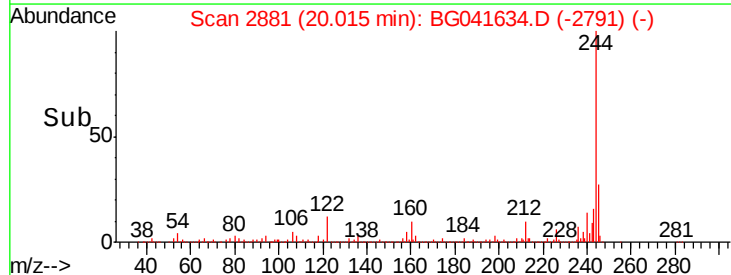
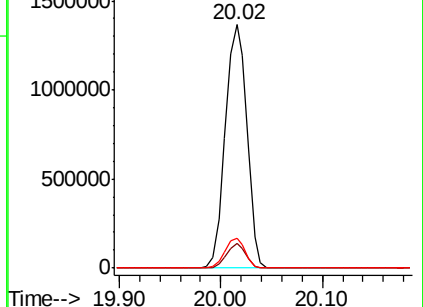
122 12.3 5.0 7.4#

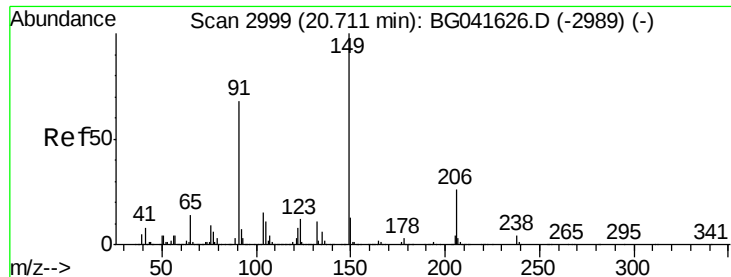


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

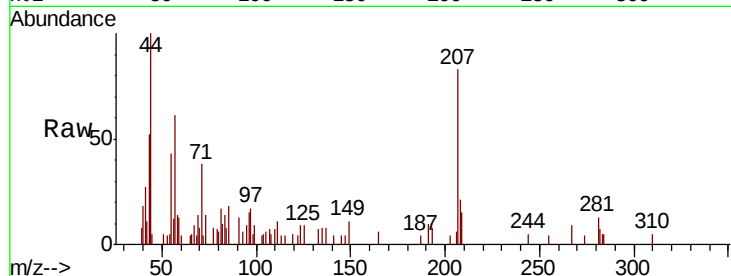




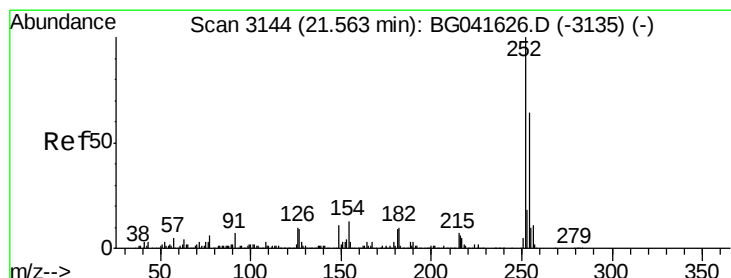
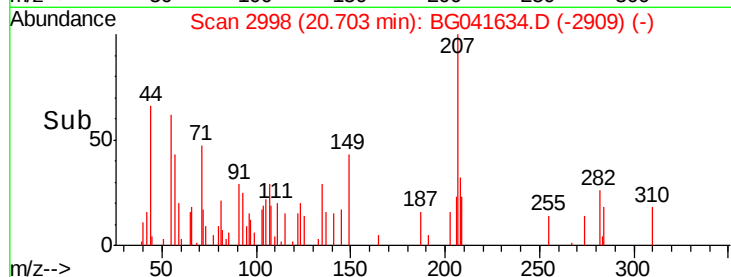
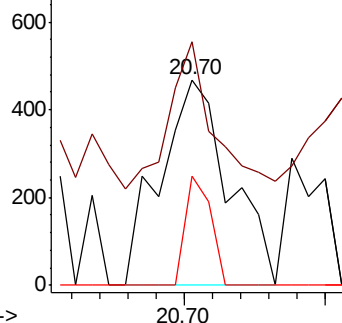
#80
Butylbenzylphthalate
Concen: Below Cal
RT: 20.70 min Scan# 2998
Delta R.T. -0.01 min
Lab File: BG041634.D
Acq: 12 Jul 2019 11:07

Instrument :
BNA_G
ClientSampled :

Tot Ion:149 Resp: 796
Ion Ratio Lower Upper
149 100
91 118.6 53.2 79.8#
206 53.0 20.3 30.5#

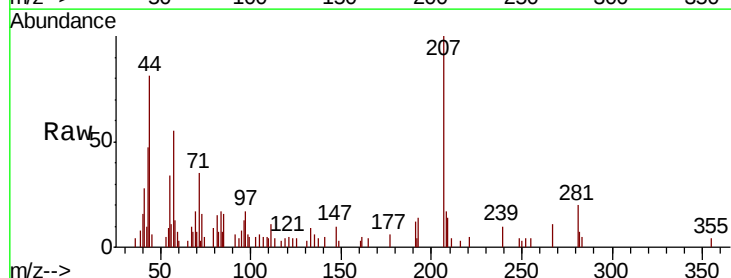


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

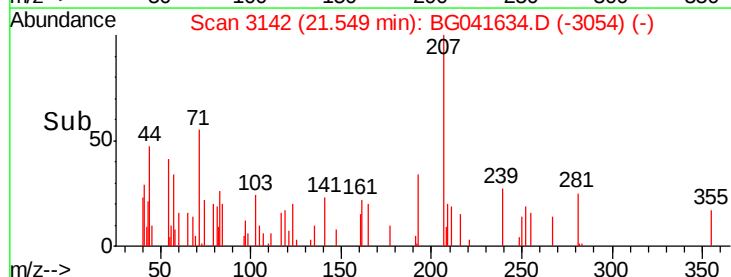
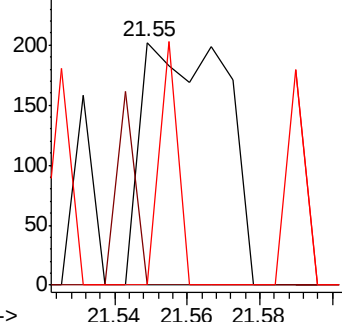


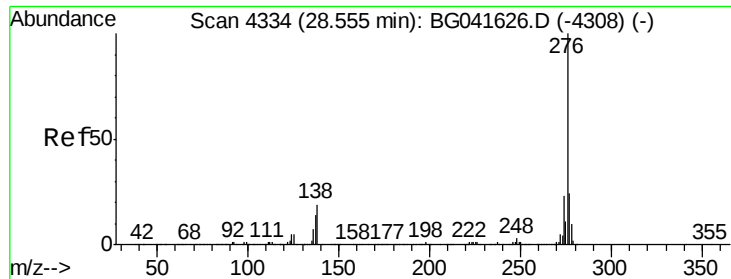
#82
3,3'-Dichlorobenzidine
Concen: Below Cal
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG041634.D
Acq: 12 Jul 2019 11:07

Tgt Ion:252 Resp: 326
Ion Ratio Lower Upper
252 100
254 0.0 51.4 77.0#
126 0.0 6.0 9.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: Below Cal

RT: 28.53 min Scan# 4331

Delta R.T. -0.02 min

Lab File: BG041634.D

Acq: 12 Jul 2019 11:07

Instrument :

BNA_G

ClientSampled :

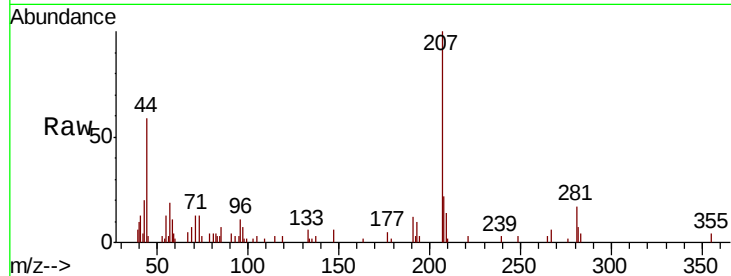
Tot Ion:276 Resp: 117

Ion Ratio Lower Upper

276 100

138 53.0 7.7 11.5#

277 0.0 20.6 31.0#

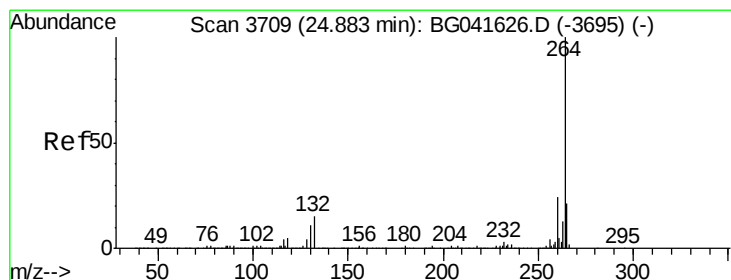
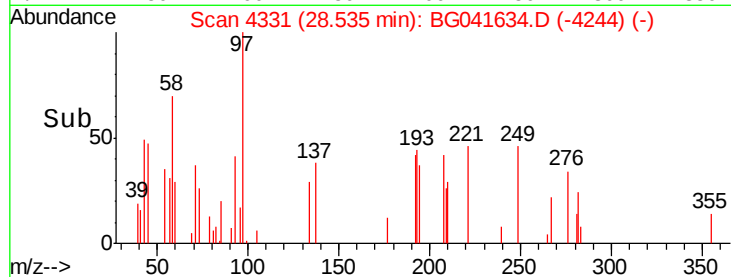
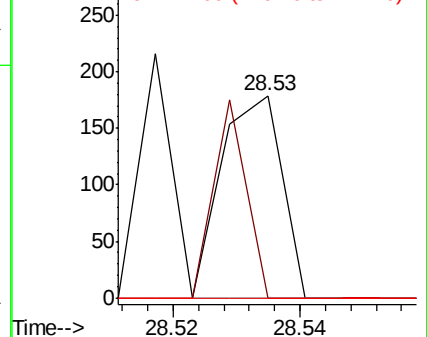


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3706

Delta R.T. -0.02 min

Lab File: BG041634.D

Acq: 12 Jul 2019 11:07

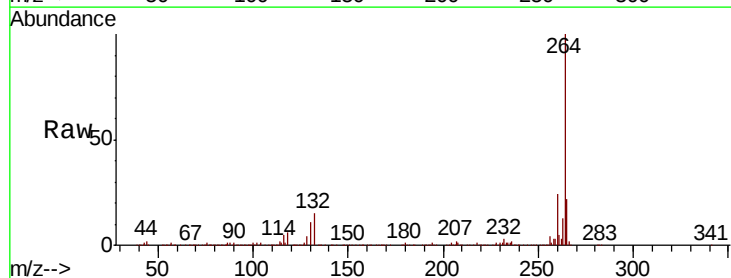
Tgt Ion:264 Resp: 710681

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.2

265 21.8 17.2 25.8



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

