

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022620\
 Data File : BG044611.D
 Acq On : 26 Feb 2020 20:04
 Operator : CG/JU
 Sample : L1367-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 27 06:44:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 24 16:11:23 2020
 Response via : Initial Calibration

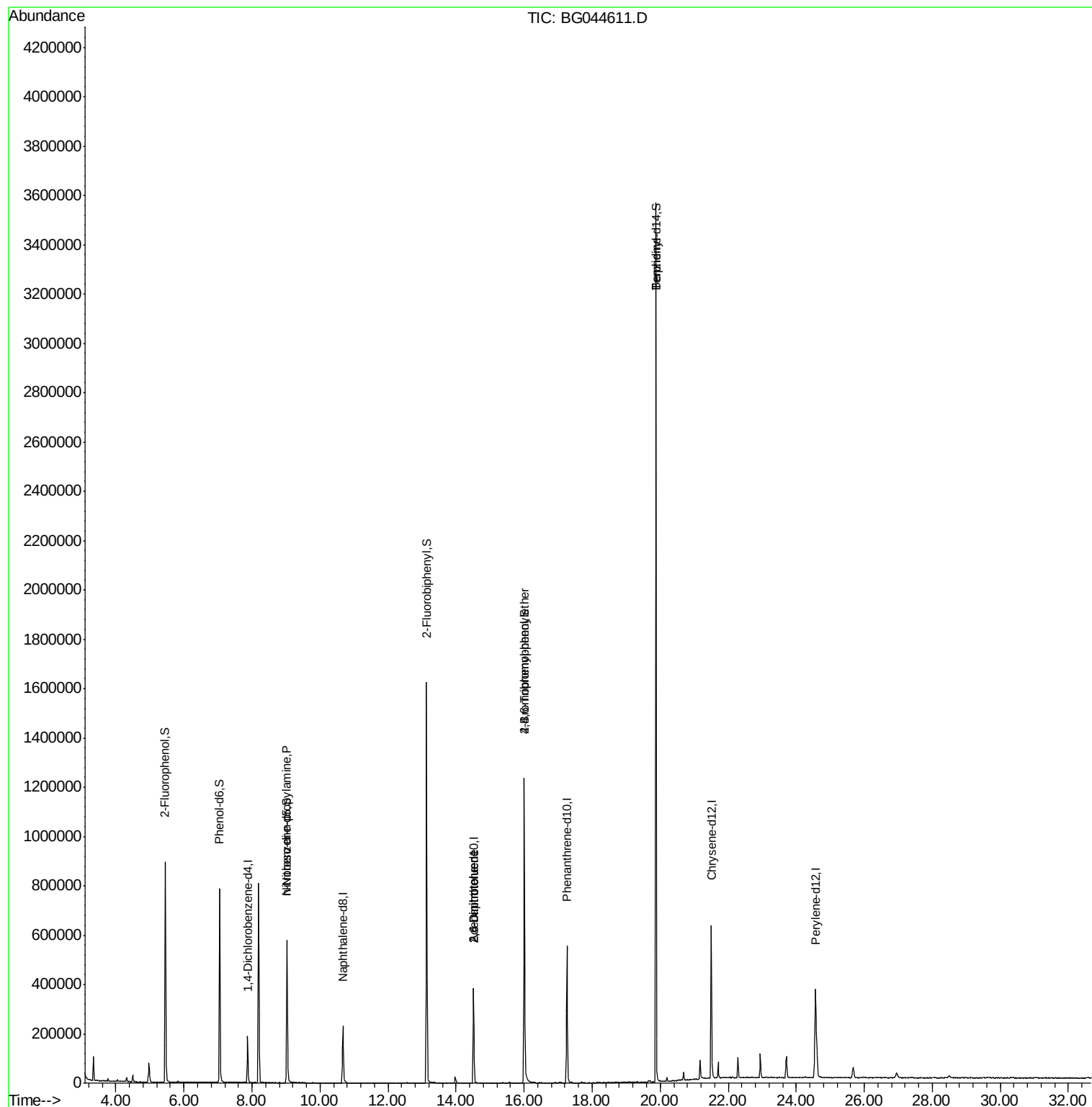
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	56879	20.00	ng	0.00
21) Naphthalene-d8	10.67	136	229865	20.00	ng	0.00
39) Acenaphthene-d10	14.52	164	150570	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	363112	20.00	ng	0.00
76) Chrysene-d12	21.50	240	381431	20.00	ng	0.00
87) Perylene-d12	24.57	264	389906	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	455899	128.60	ng	0.00
7) Phenol-d6	7.05	99	525729	108.34	ng	0.00
23) Nitrobenzene-d5	9.03	82	388455	87.06	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	287704	134.76	ng	0.00
45) 2-Fluorobiphenyl	13.13	172	908924	86.44	ng	0.00
79) Terphenyl-d14	19.88	244	1707118	84.73	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.03	70	50078	16.055	ng	# 80
51) 2,6-Dinitrotoluene	14.52	165	19784	7.381	ng	# 30
57) 2,4-Dinitrotoluene	14.52	165	19784	5.250	ng	# 28
67) 4-Bromophenyl-phenylether	16.00	248	19705	4.372	ng	# 1
77) Benzidine	19.88	184	26888	2.058	ng	# 93

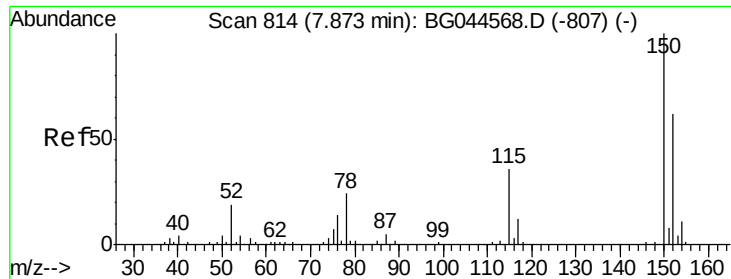
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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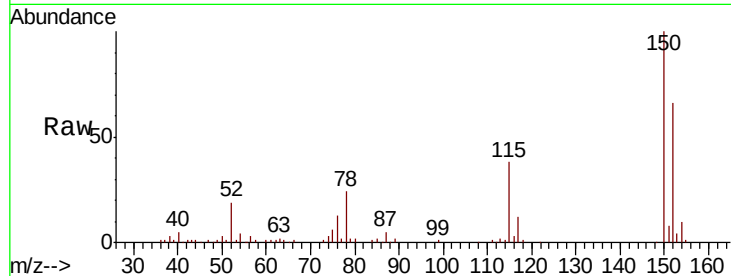


#1

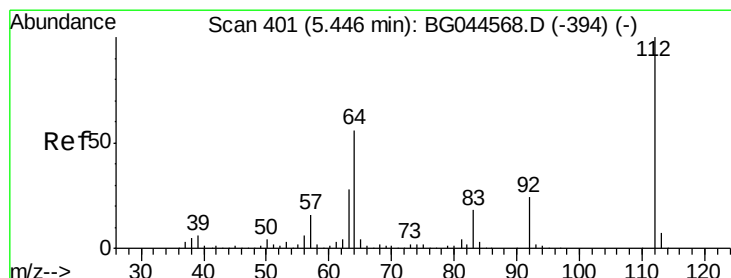
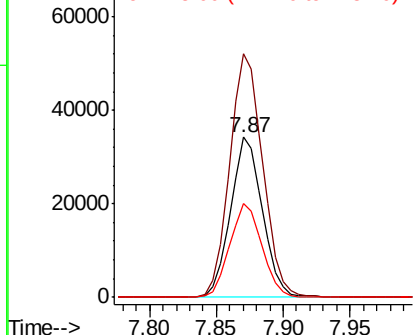
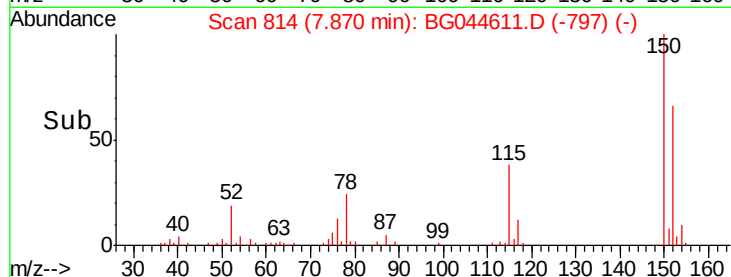
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG044611.D
Acq: 26 Feb 2020 20:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56879
Ion Ratio Lower Upper
152 100
150 152.2 128.9 193.3
115 58.4 47.0 70.4



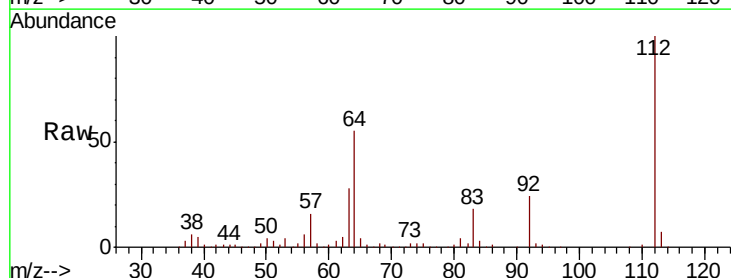
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



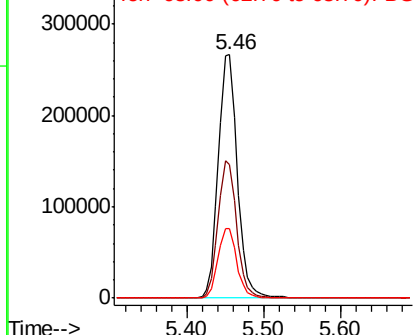
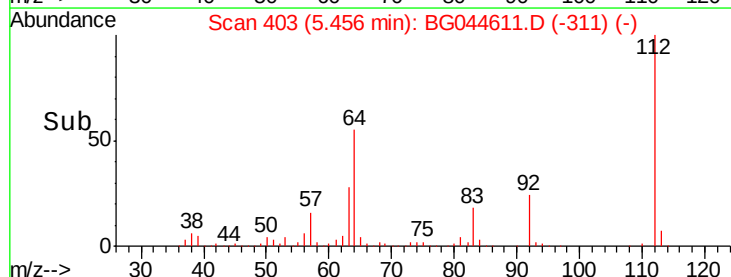
#5

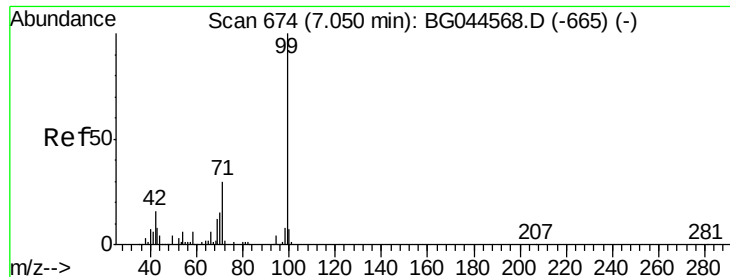
2-Fluorophenol
Concen: 128.602 ng
RT: 5.46 min Scan# 403
Delta R.T. 0.01 min
Lab File: BG044611.D
Acq: 26 Feb 2020 20:04

Tgt Ion:112 Resp: 455899
Ion Ratio Lower Upper
112 100
64 55.0 44.8 67.2
63 28.5 22.3 33.5



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





#7

Phenol-d6

Concen: 108.342 ng

RT: 7.05 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG044611.D

Acq: 26 Feb 2020 20:04

Instrument :

BNA_G

ClientSampleId :

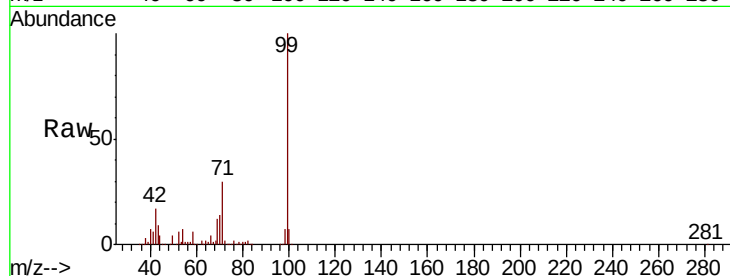
Tot Ion: 99 Resp: 525729

Ion Ratio Lower Upper

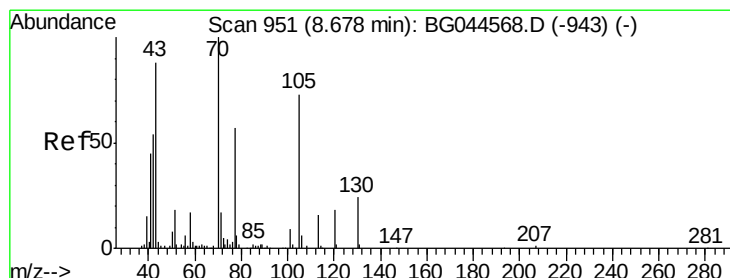
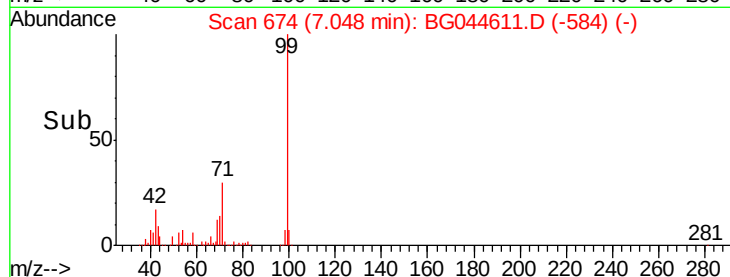
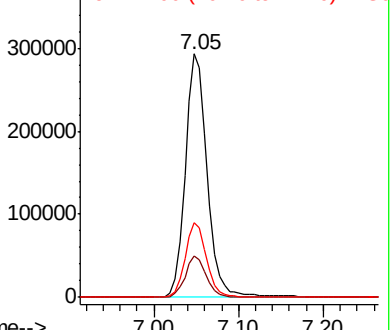
99 100

42 17.0 12.8 19.2

71 30.4 24.4 36.6



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: 16.055 ng

RT: 9.03 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG044611.D

Acq: 26 Feb 2020 20:04

Tgt Ion: 70 Resp: 50078

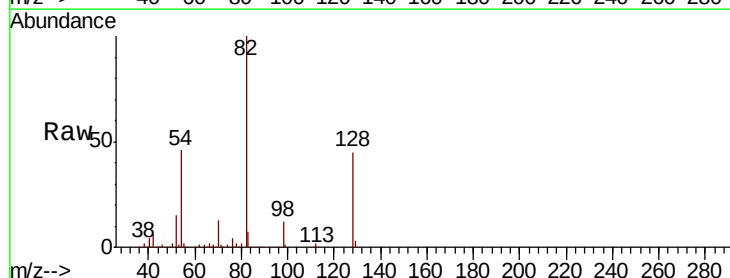
Ion Ratio Lower Upper

70 100

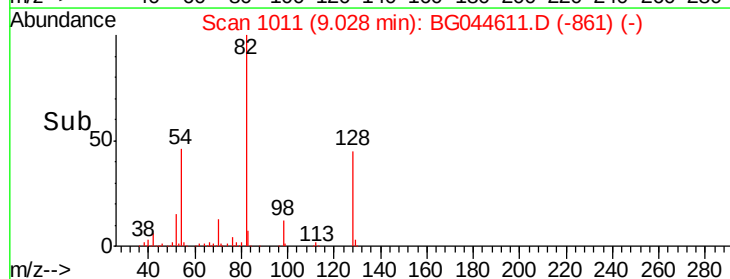
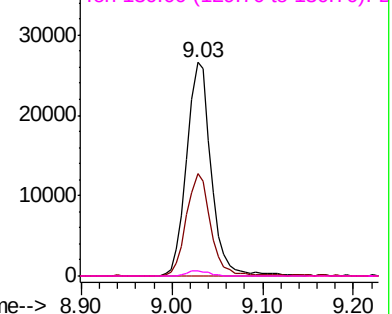
42 47.8 43.4 65.0

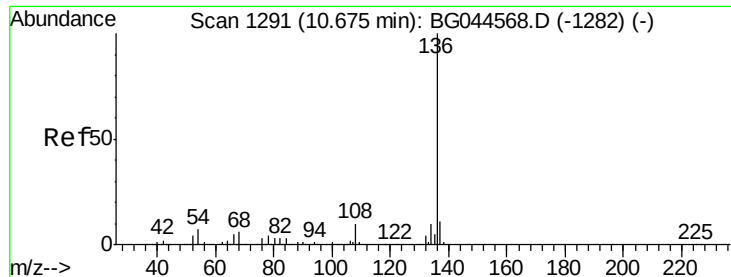
101 0.0 7.5 11.3#

130 2.4 18.9 28.3#



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: 10.67 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BG044611.D

Acq: 26 Feb 2020 20:04

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 229865

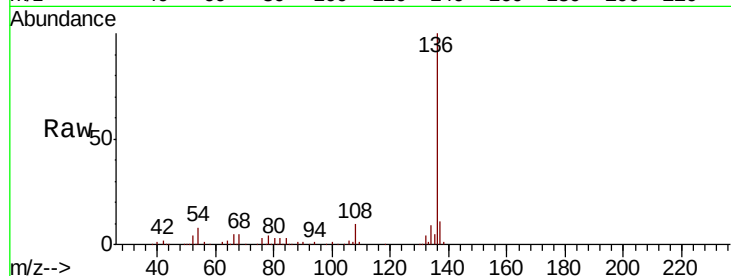
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.7 5.7 8.5

68 5.4 4.5 6.7

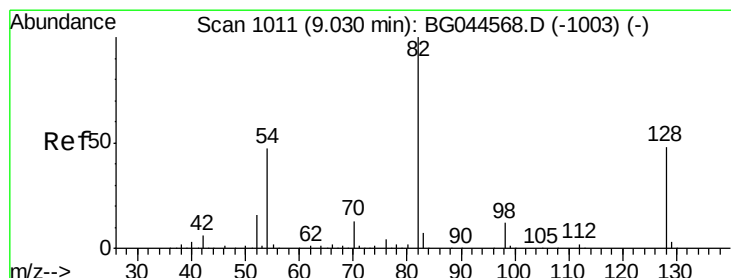
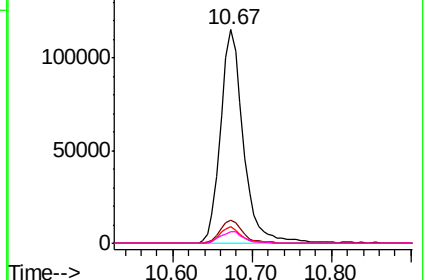
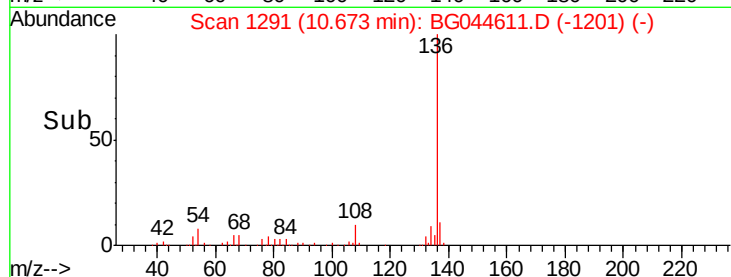


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.062 ng

RT: 9.03 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BG044611.D

Acq: 26 Feb 2020 20:04

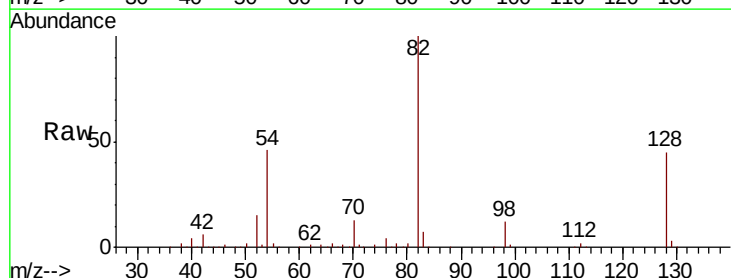
Tgt Ion: 82 Resp: 388455

Ion Ratio Lower Upper

82 100

128 45.1 38.1 57.1

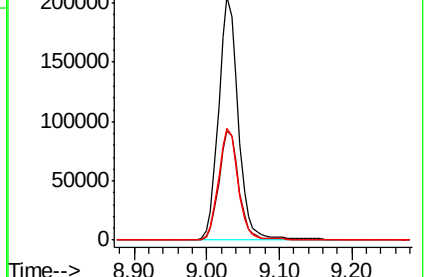
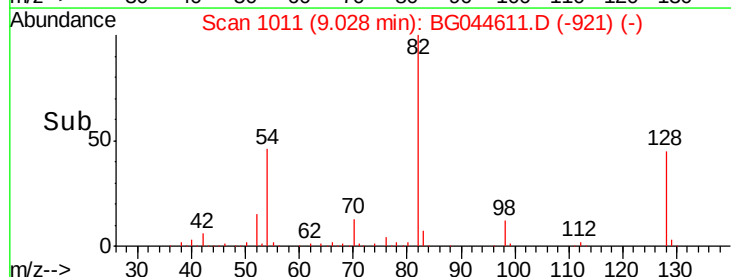
54 45.7 37.5 56.3

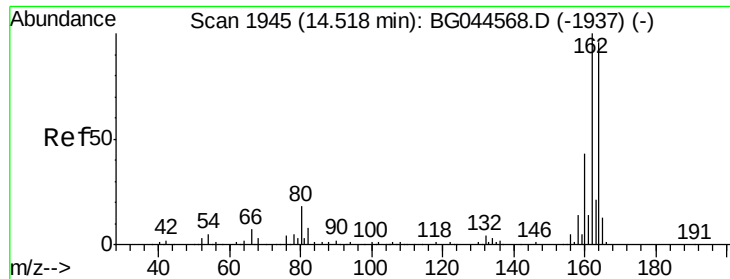


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.52 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG044611.D

Acq: 26 Feb 2020 20:04

Instrument :

BNA_G

ClientSampleId :

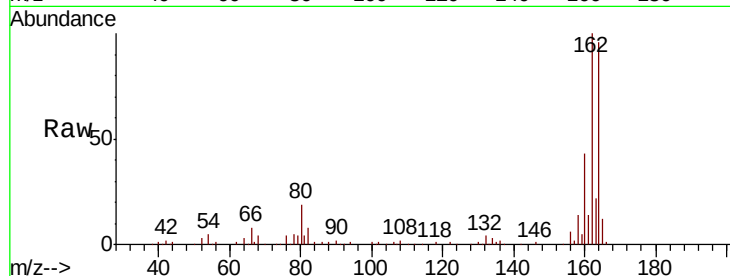
Tot Ion:164 Resp: 150570

Ion Ratio Lower Upper

164 100

162 104.2 83.6 125.4

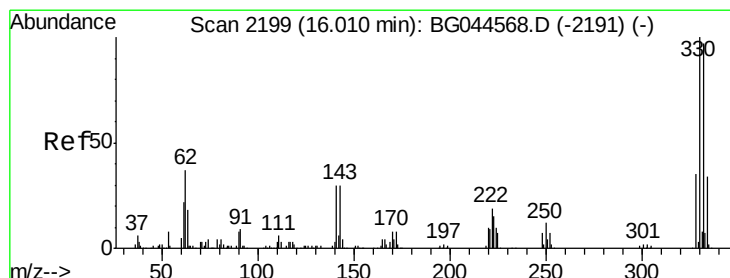
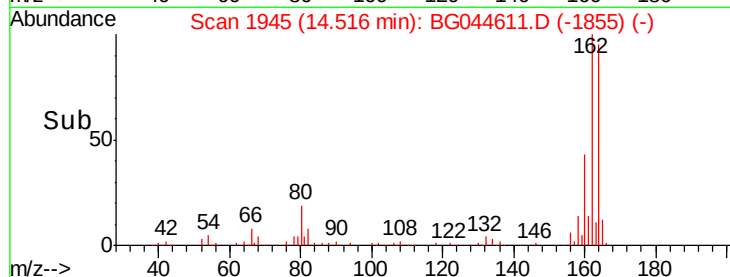
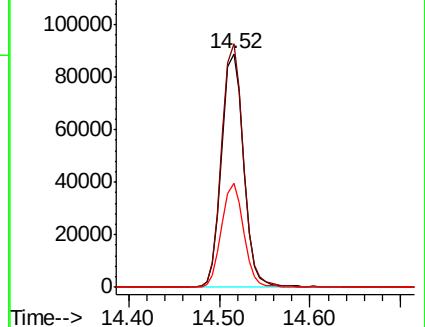
160 44.8 36.2 54.4



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: 134.758 ng

RT: 16.01 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG044611.D

Acq: 26 Feb 2020 20:04

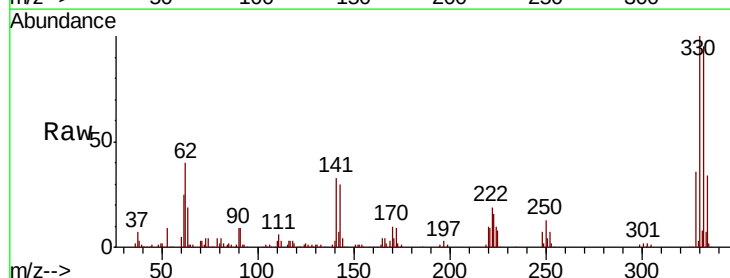
Tgt Ion:330 Resp: 287704

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.0

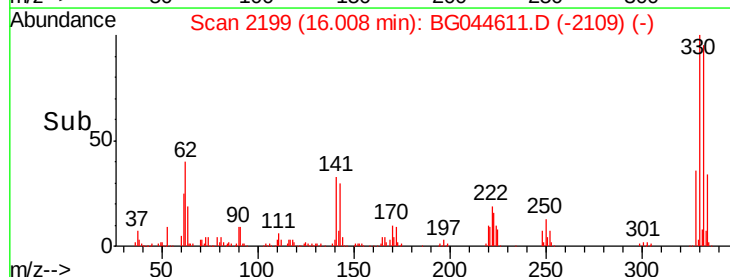
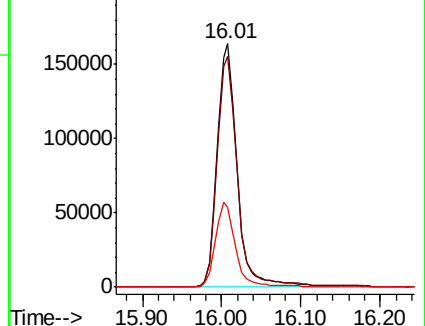
141 34.7 26.1 39.1

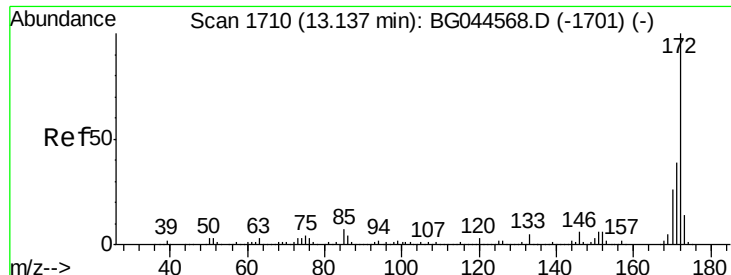


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

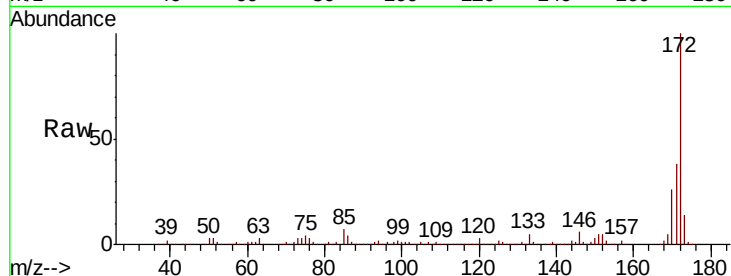




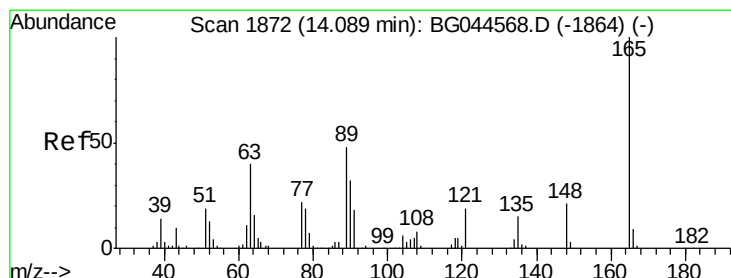
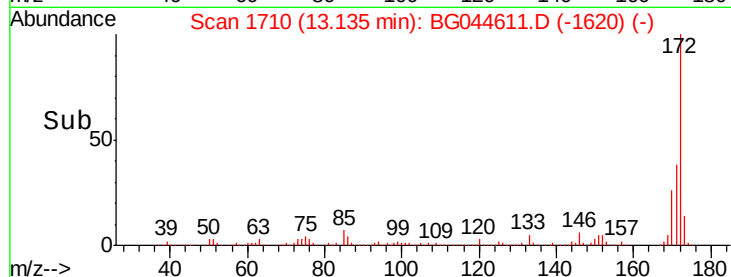
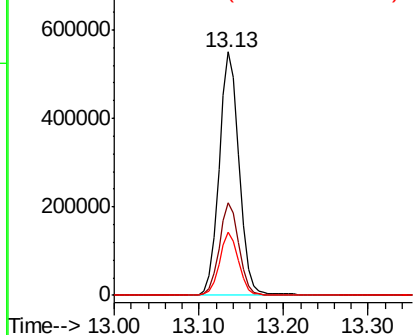
#45
 2-Fluorobiphenyl
 Concen: 86.443 ng
 RT: 13.13 min Scan# 1710
 Delta R.T. -0.00 min
 Lab File: BG044611.D
 Acq: 26 Feb 2020 20:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	31.3	46.9
170	25.7	21.0	31.4

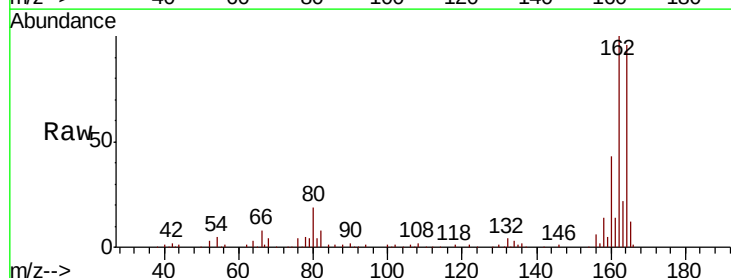


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

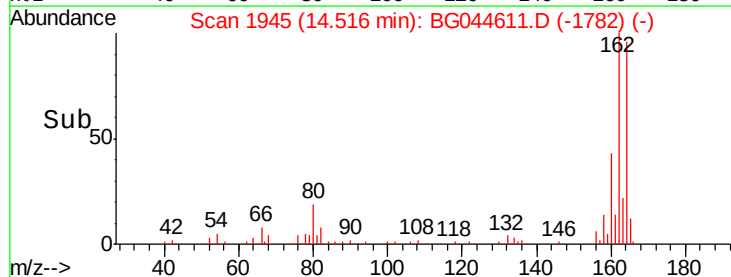
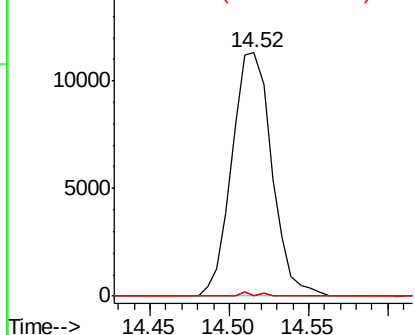


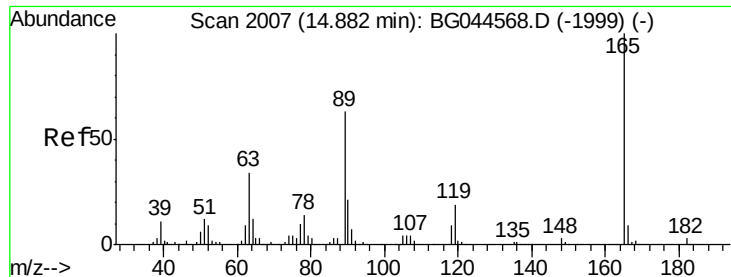
#51
 2,6-Dinitrotoluene
 Concen: 7.381 ng
 RT: 14.52 min Scan# 1945
 Delta R.T. 0.43 min
 Lab File: BG044611.D
 Acq: 26 Feb 2020 20:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.8	53.6#
89	0.0	38.7	58.1#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

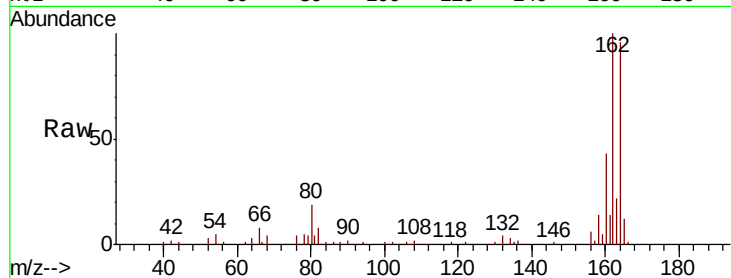




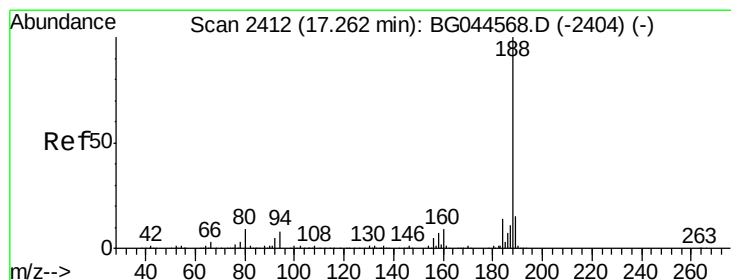
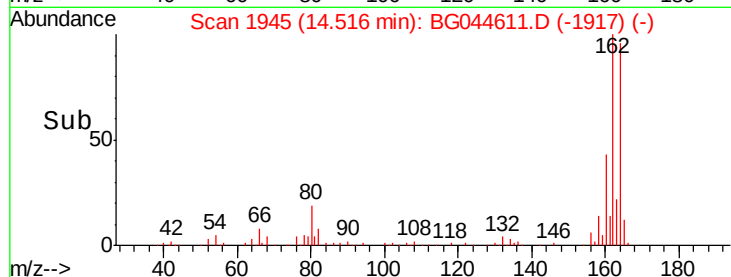
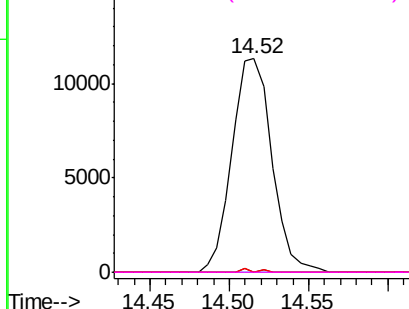
#57
 2,4-Dinitrotoluene
 Concen: 5.250 ng
 RT: 14.52 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG044611.D
 Acq: 26 Feb 2020 20:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	27.5	41.3#
89	0.0	50.0	75.0#
182	0.0	2.3	3.5#

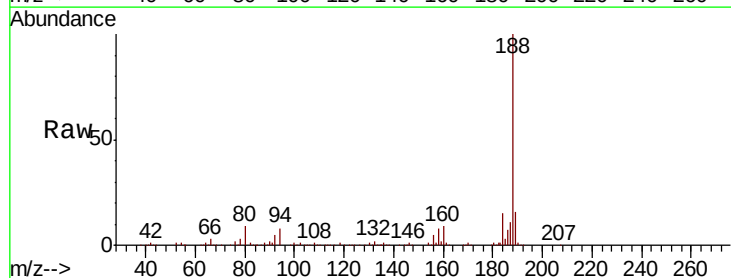


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

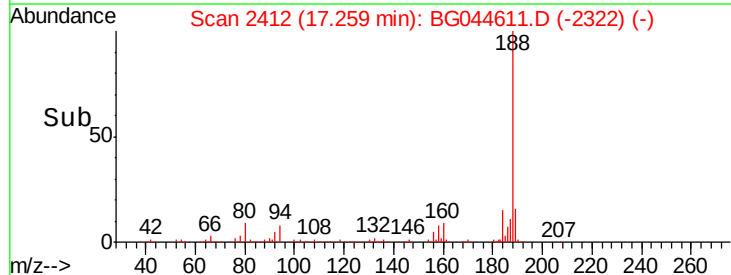
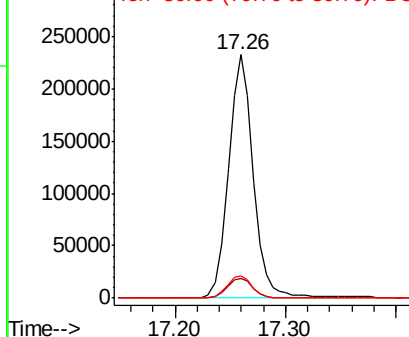


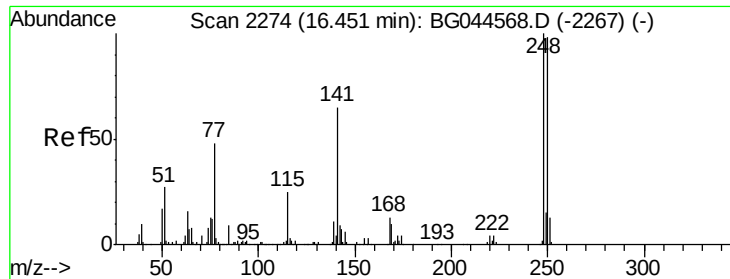
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.26 min Scan# 2412
 Delta R.T. -0.00 min
 Lab File: BG044611.D
 Acq: 26 Feb 2020 20:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	9.2	7.6	11.4



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

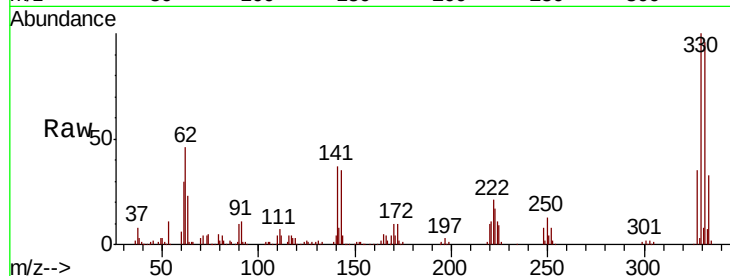




#67
 4-Bromophenyl-phenylether
 Concen: 4.372 ng
 RT: 16.00 min Scan# 2198
 Delta R.T. -0.45 min
 Lab File: BG044611.D
 Acq: 26 Feb 2020 20:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	175.7	78.7	118.1#
141	488.5	52.3	78.5#

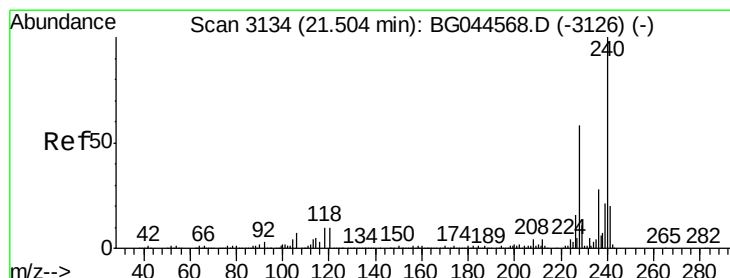
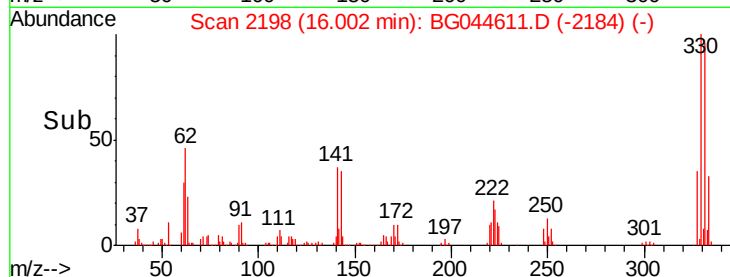
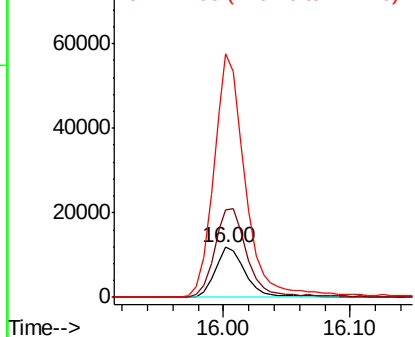


Abundance

Ion 248.00 (247.70 to 248.70): E

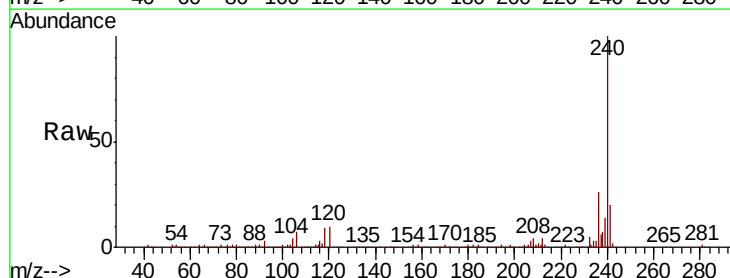
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.50 min Scan# 3134
 Delta R.T. -0.00 min
 Lab File: BG044611.D
 Acq: 26 Feb 2020 20:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.3	12.5
236	26.3	22.3	33.5

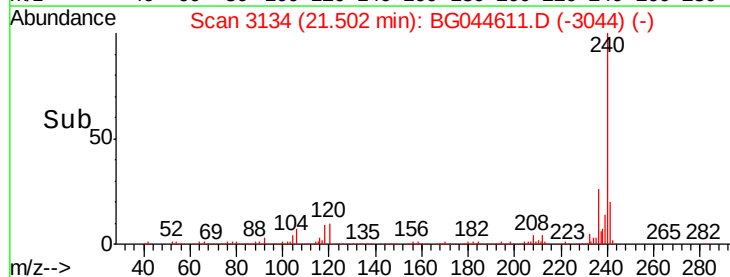
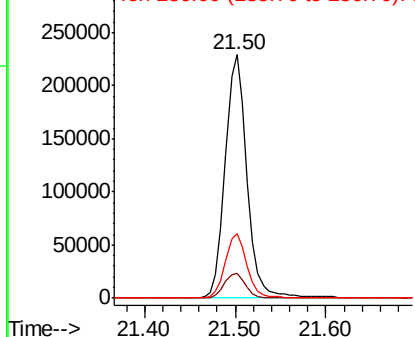


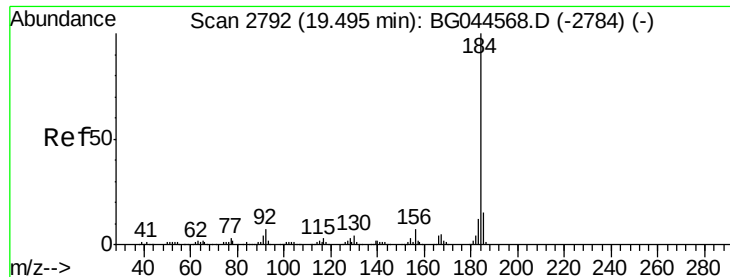
Abundance

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





#77

Benzidine

Concen: 2.058 ng

RT: 19.88 min Scan# 2858

Delta R.T. 0.39 min

Lab File: BG044611.D

Acq: 26 Feb 2020 20:04

Instrument :

BNA_G

ClientSampled :

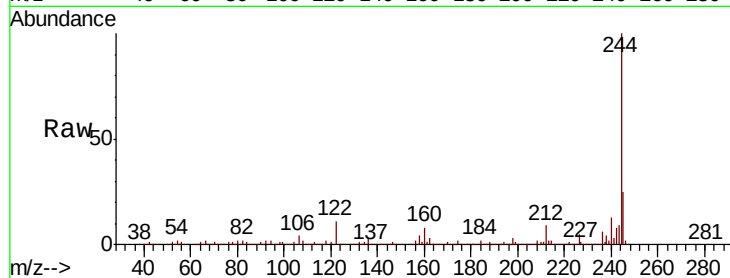
Tot Ion:184 Resp: 26888

Ion Ratio Lower Upper

184 100

185 15.8 12.2 18.4

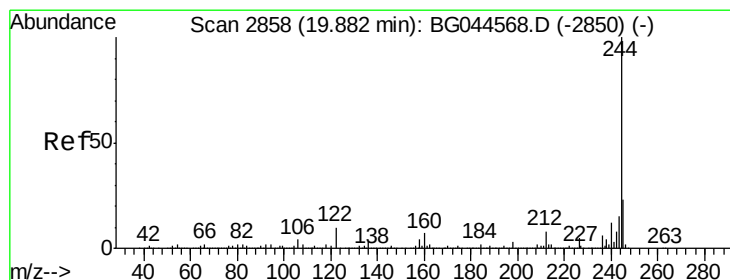
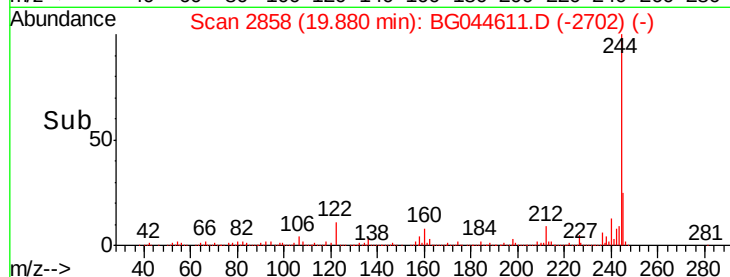
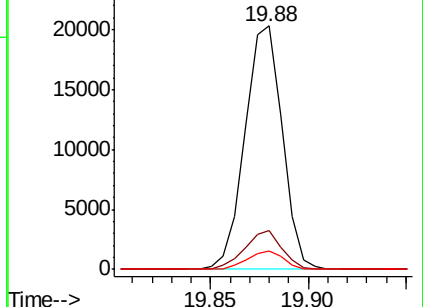
183 7.3 9.9 14.9#



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: 84.725 ng

RT: 19.88 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BG044611.D

Acq: 26 Feb 2020 20:04

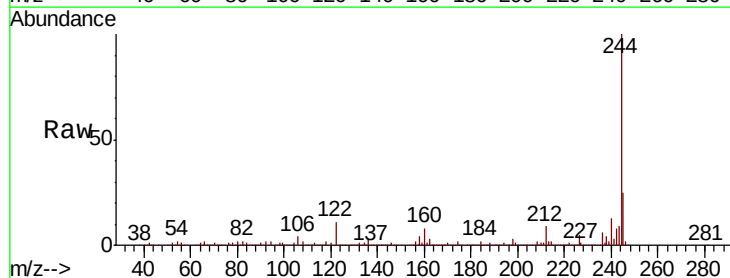
Tgt Ion:244 Resp: 1707118

Ion Ratio Lower Upper

244 100

212 8.8 6.5 9.7

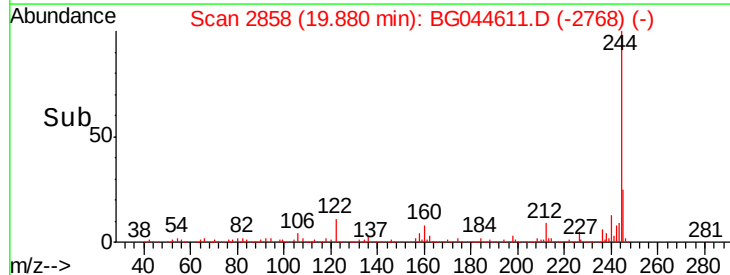
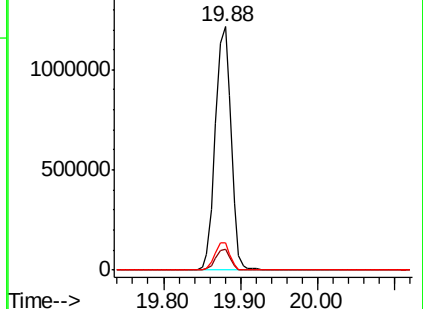
122 11.3 8.2 12.4

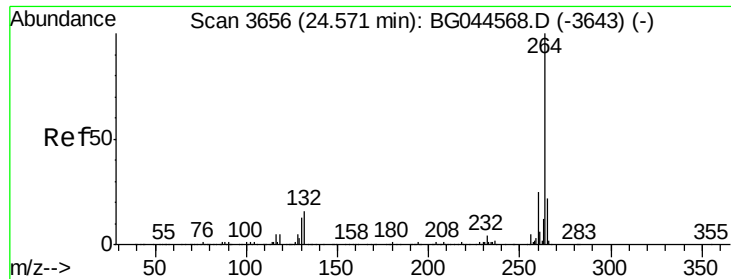


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

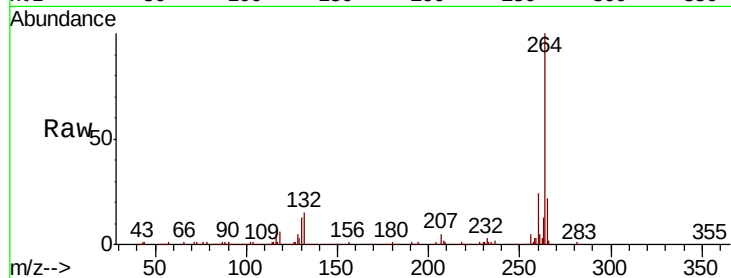




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.57 min Scan# 3656
Delta R.T. -0.00 min
Lab File: BG044611.D
Acq: 26 Feb 2020 20:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	22.0	17.8	26.8



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

