

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020320\
 Data File : BG044272.D
 Acq On : 3 Feb 2020 14:46
 Operator : CG/JU
 Sample : PB126541BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 04 00:29:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

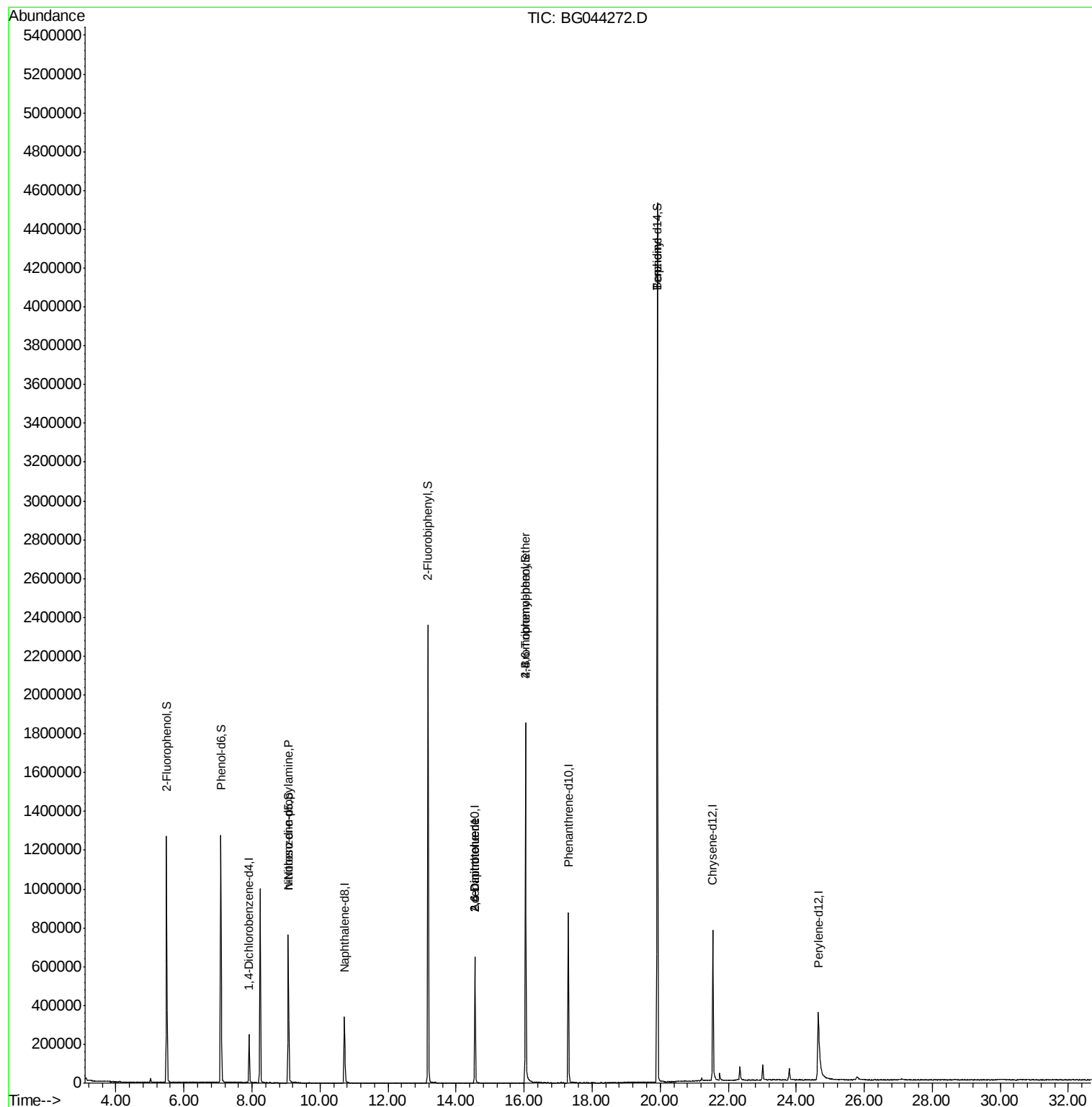
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	76266	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	333080	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	251819	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	572608	20.00	ng	0.00
76) Chrysene-d12	21.54	240	511939	20.00	ng	0.00
87) Perylene-d12	24.65	264	548193	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	610956	141.38	ng	0.00
7) Phenol-d6	7.08	99	847354	146.02	ng	0.00
23) Nitrobenzene-d5	9.07	82	503794	85.39	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	379344	128.32	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1277170	84.93	ng	0.00
79) Terphenyl-d14	19.92	244	2093914	84.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.07	70	65660	16.978	ng	# 77
51) 2,6-Dinitrotoluene	14.56	165	32631	8.085	ng	# 29
57) 2,4-Dinitrotoluene	14.56	165	32631	5.768	ng	# 27
67) 4-Bromophenyl-phenylether	16.04	248	26296	4.215	ng	# 1
77) Benzidine	19.92	184	35534	2.502	ng	# 92

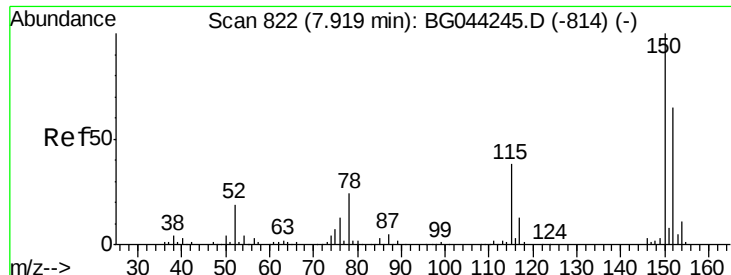
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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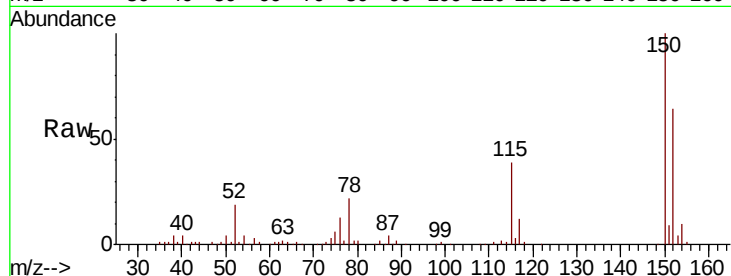


#1

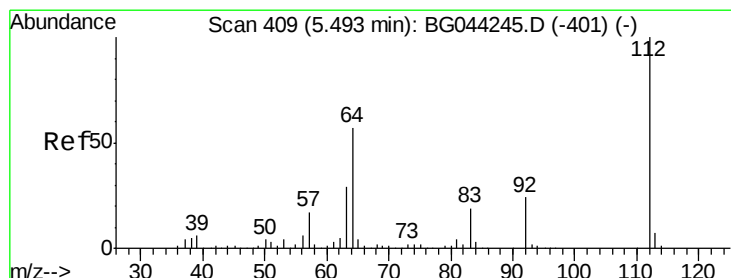
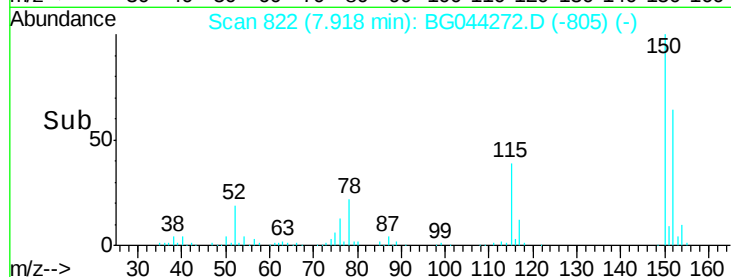
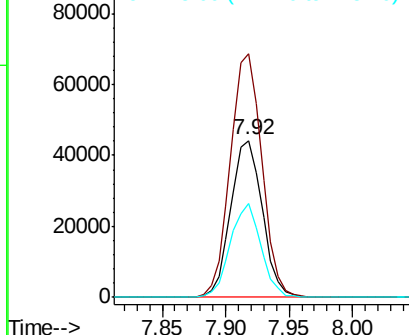
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG044272.D
Acq: 3 Feb 2020 14:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 76266
Ion Ratio Lower Upper
152 100
150 155.1 122.6 183.8
115 59.9 46.0 69.0



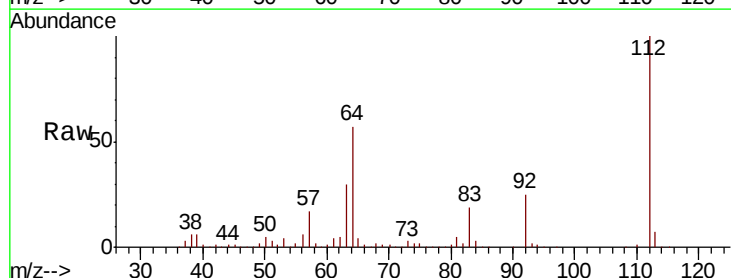
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



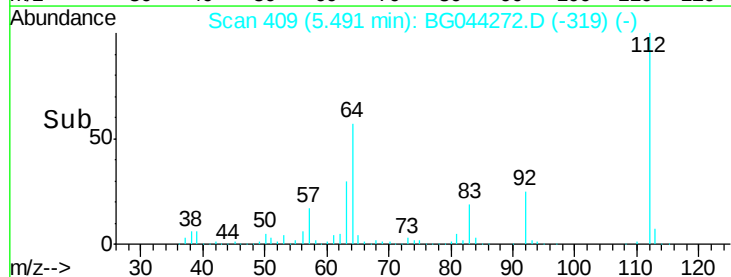
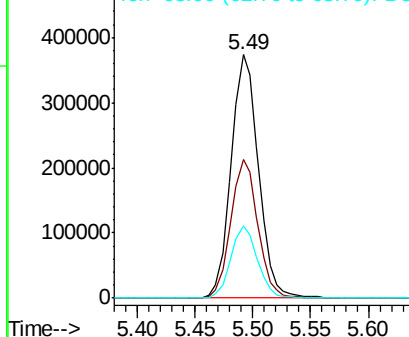
#5

2-Fluorophenol
Concen: 141.379 ng
RT: 5.49 min Scan# 409
Delta R.T. -0.00 min
Lab File: BG044272.D
Acq: 3 Feb 2020 14:46

Tgt Ion:112 Resp: 610956
Ion Ratio Lower Upper
112 100
64 57.2 45.4 68.2
63 29.6 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG044272.D (-319) (-)
Ion 63.00 (62.70 to 63.70): BG044272.D (-319) (-)





#7

Phenol-d6

Concen: 146.020 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG044272.D

Acq: 3 Feb 2020 14:46

Instrument :

BNA_G

ClientSampleId :

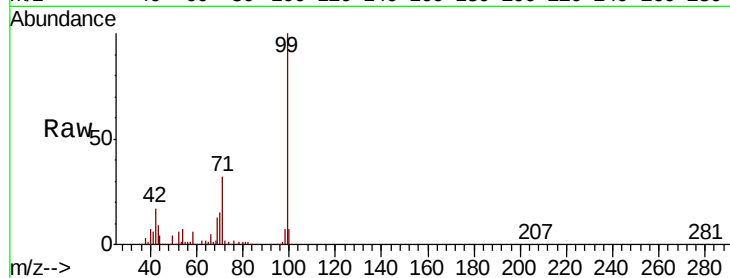
Tot Ion: 99 Resp: 847354

Ion Ratio Lower Upper

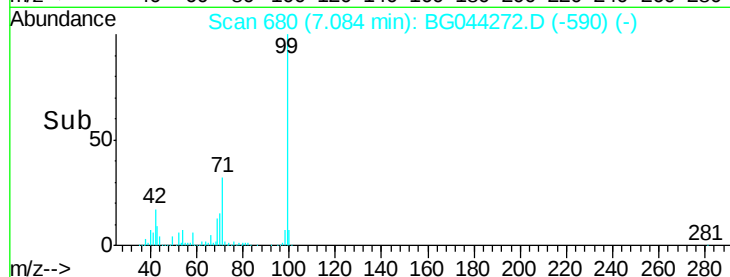
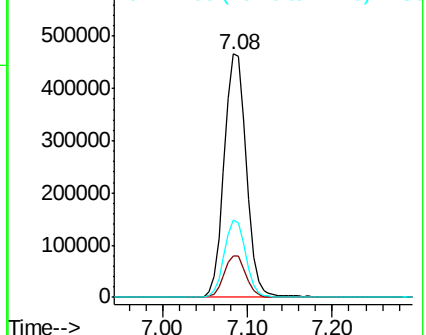
99 100

42 17.2 13.8 20.6

71 31.9 25.5 38.3



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: 16.978 ng

RT: 9.07 min Scan# 1018

Delta R.T. 0.35 min

Lab File: BG044272.D

Acq: 3 Feb 2020 14:46

Tgt Ion: 70 Resp: 65660

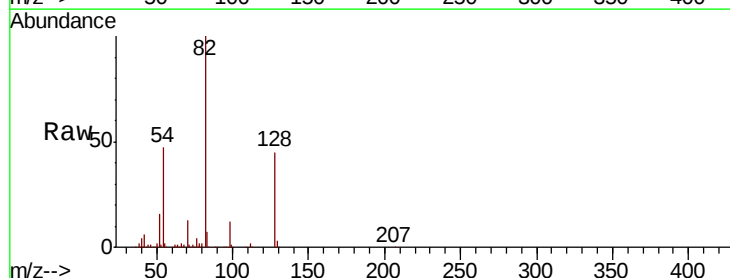
Ion Ratio Lower Upper

70 100

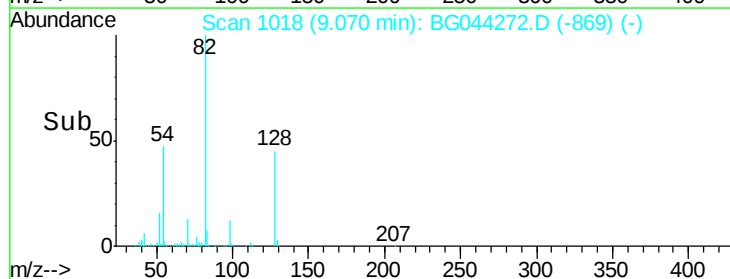
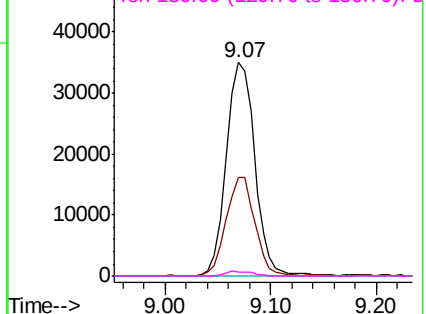
42 46.4 46.2 69.2

101 0.0 8.4 12.6#

130 2.0 17.8 26.8#



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: 10.71 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BG044272.D

Acq: 3 Feb 2020 14:46

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 333080

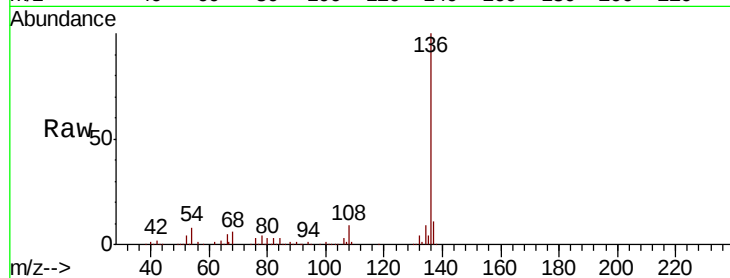
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 7.8 5.8 8.8

68 5.8 4.6 6.8

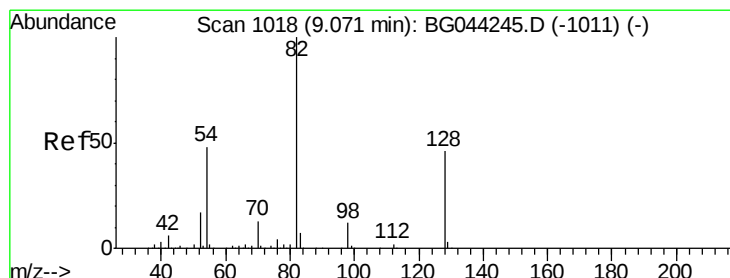
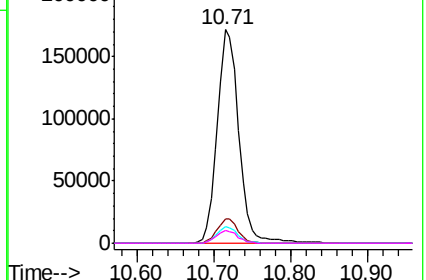
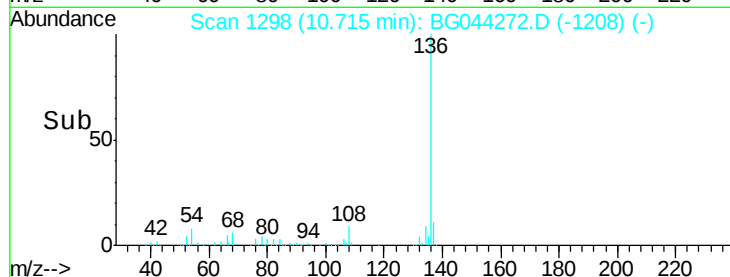


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.392 ng

RT: 9.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BG044272.D

Acq: 3 Feb 2020 14:46

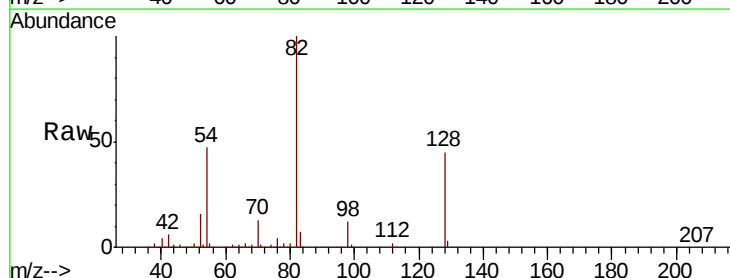
Tgt Ion: 82 Resp: 503794

Ion Ratio Lower Upper

82 100

128 44.9 36.5 54.7

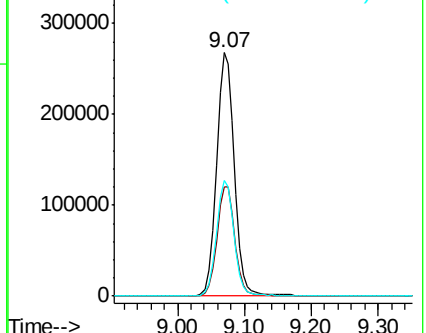
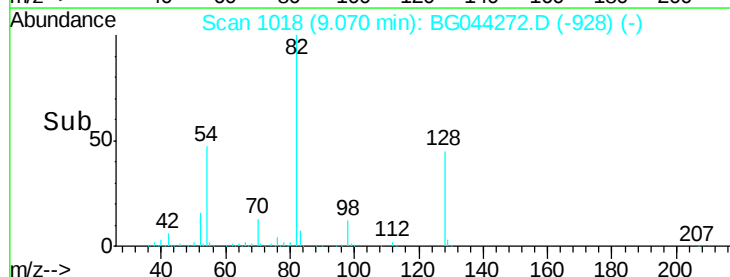
54 47.4 38.6 58.0

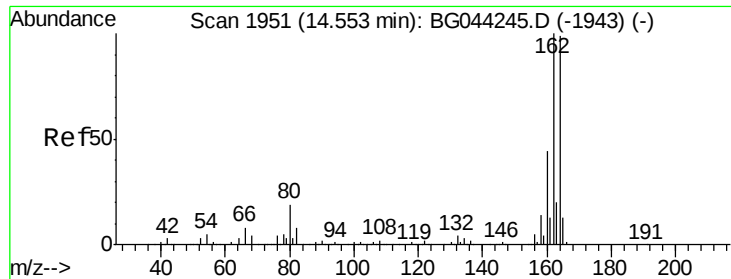


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.56 min Scan# 1952

Delta R.T. 0.00 min

Lab File: BG044272.D

Acq: 3 Feb 2020 14:46

Instrument :

BNA_G

ClientSampleId :

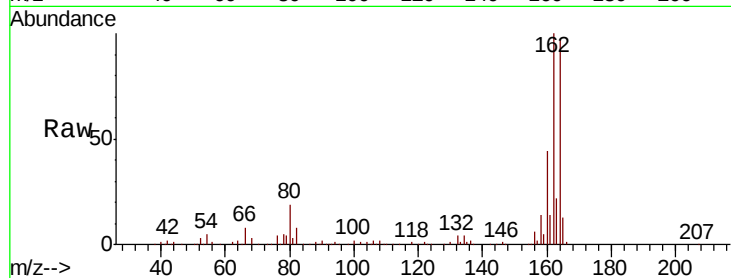
Tot Ion:164 Resp: 251819

Ion Ratio Lower Upper

164 100

162 102.8 80.7 121.1

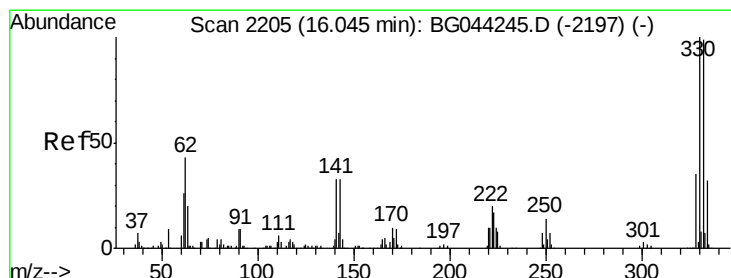
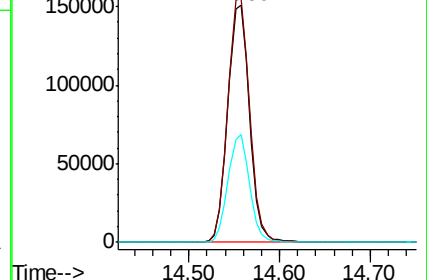
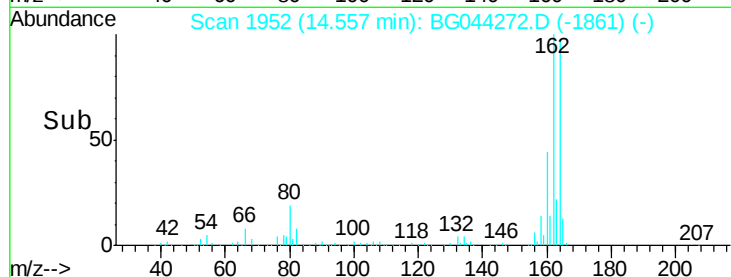
160 45.3 35.3 52.9



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: 128.321 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG044272.D

Acq: 3 Feb 2020 14:46

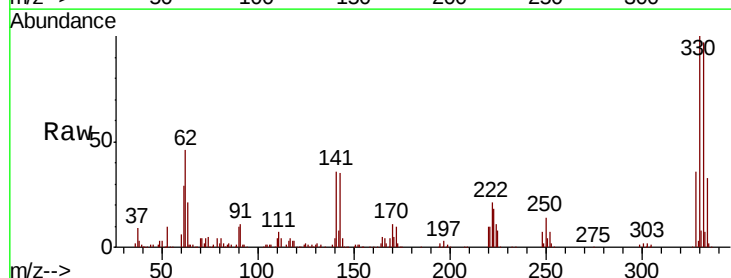
Tgt Ion:330 Resp: 379344

Ion Ratio Lower Upper

330 100

332 97.1 77.2 115.8

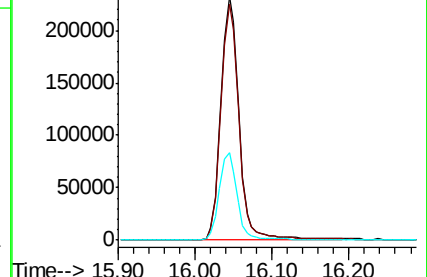
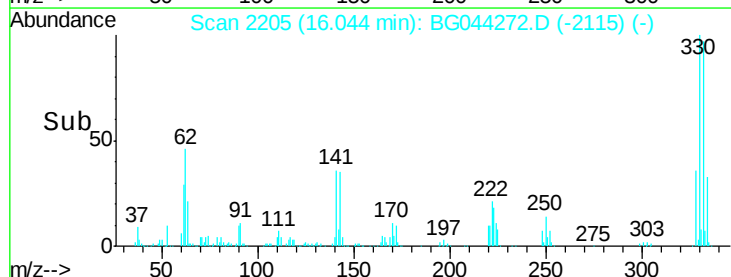
141 35.8 28.3 42.5

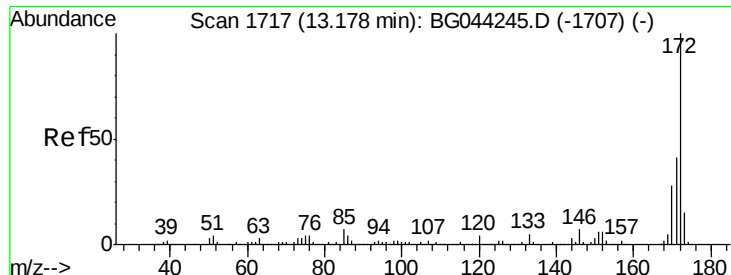


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



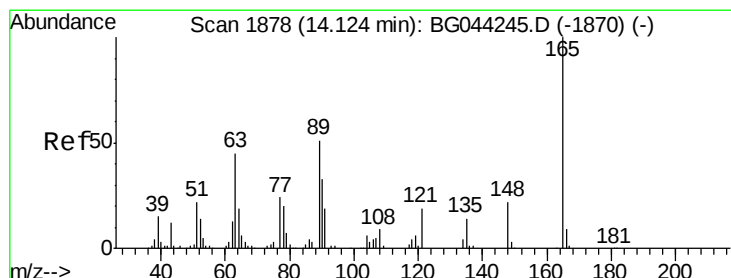
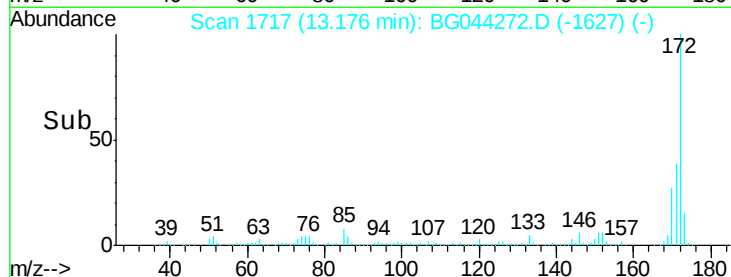
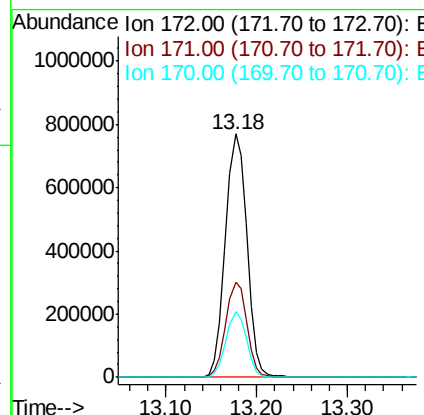
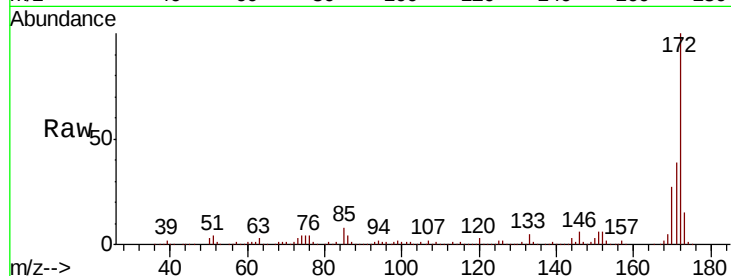


#45
 2-Fluorobiphenyl
 Concen: 84.930 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: BG044272.D
 Acq: 3 Feb 2020 14:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1277170

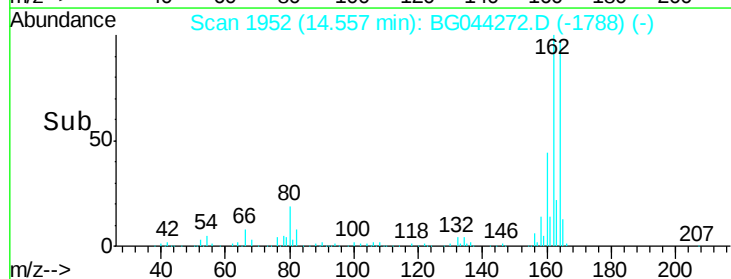
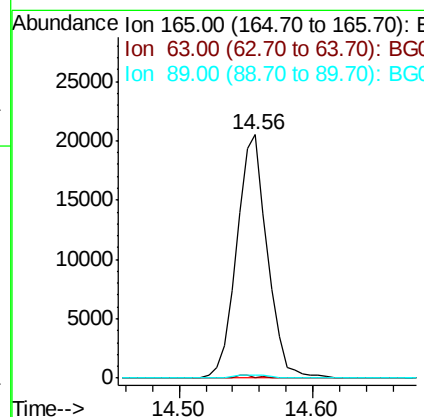
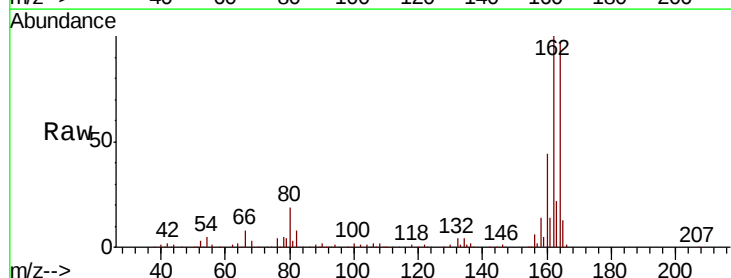
Ion	Ratio	Lower	Upper
172	100		
171	39.3	32.9	49.3
170	26.9	22.0	33.0

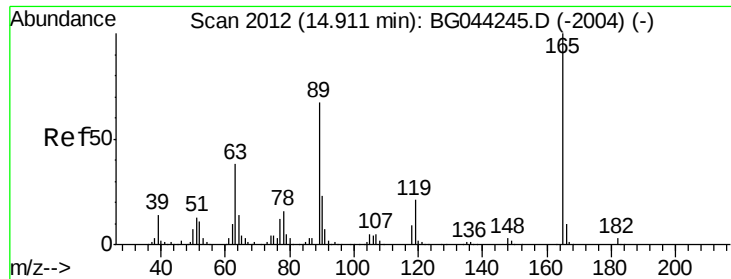


#51
 2,6-Dinitrotoluene
 Concen: 8.085 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.43 min
 Lab File: BG044272.D
 Acq: 3 Feb 2020 14:46

Tgt Ion:165 Resp: 32631

Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.7	58.1#
89	1.2	40.4	60.6#

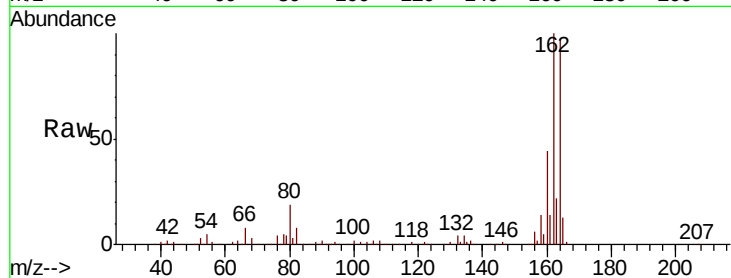




#57
 2,4-Dinitrotoluene
 Concen: 5.768 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.35 min
 Lab File: BG044272.D
 Acq: 3 Feb 2020 14:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.3	45.5#
89	1.2	53.4	80.2#
182	0.0	2.1	3.1#



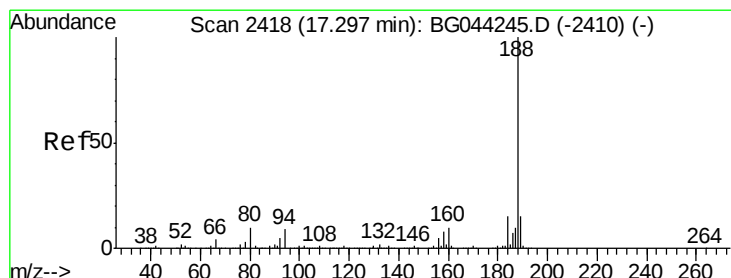
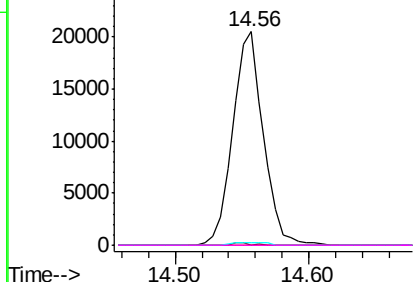
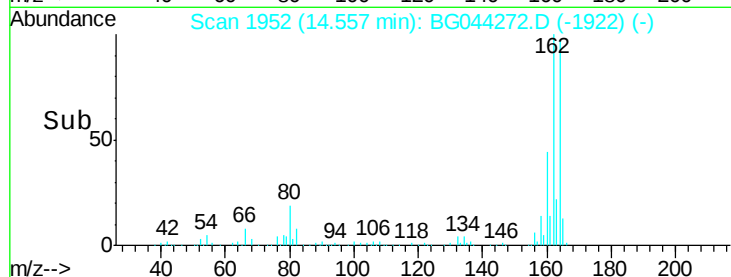
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

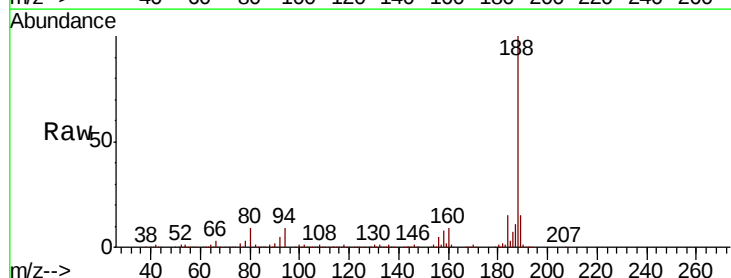
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: BG044272.D
 Acq: 3 Feb 2020 14:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.4	11.2
80	9.1	7.7	11.5

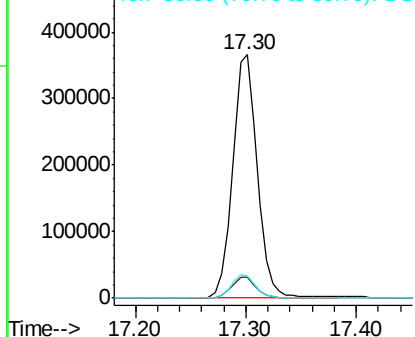
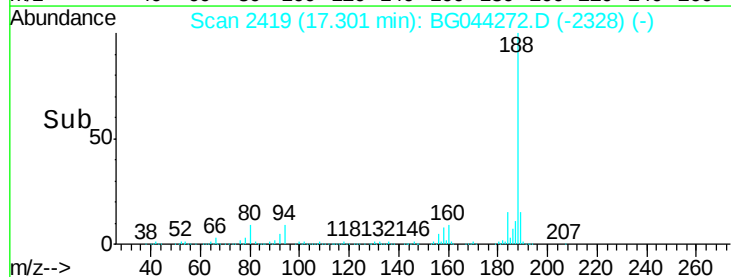


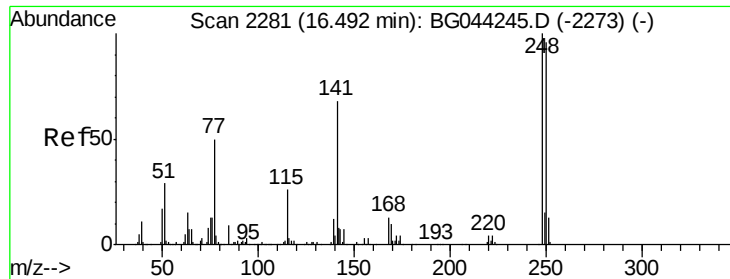
Abundance

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: 4.215 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.45 min

Lab File: BG044272.D

Acq: 3 Feb 2020 14:46

Instrument :

BNA_G

ClientSampleId :

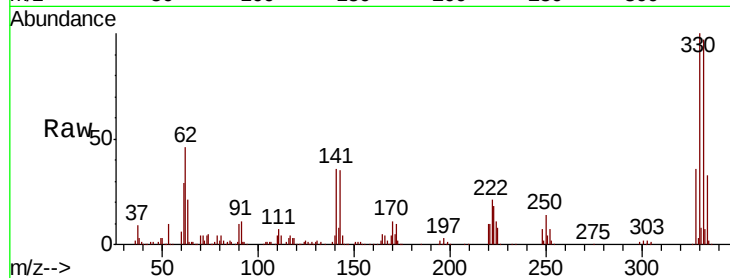
Tot Ion:248 Resp: 26296

Ion Ratio Lower Upper

248 100

250 193.5 76.6 114.8#

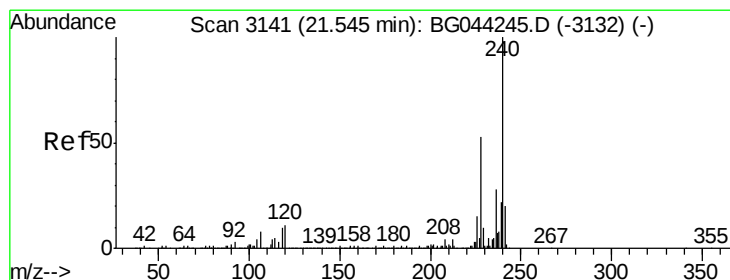
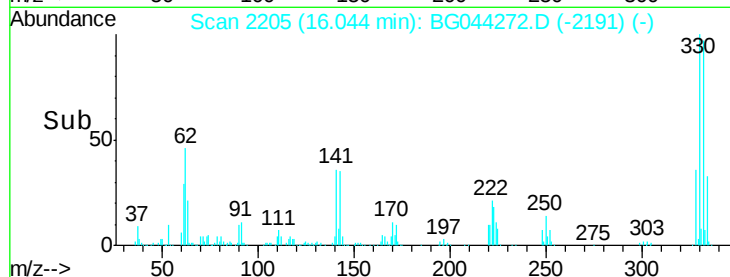
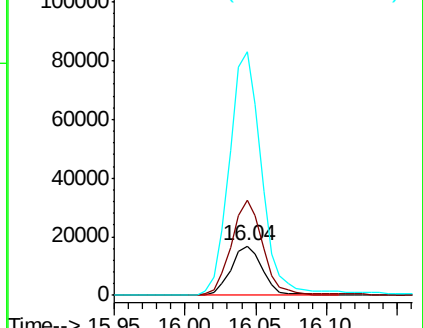
141 496.0 54.7 82.1#



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: 21.54 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG044272.D

Acq: 3 Feb 2020 14:46

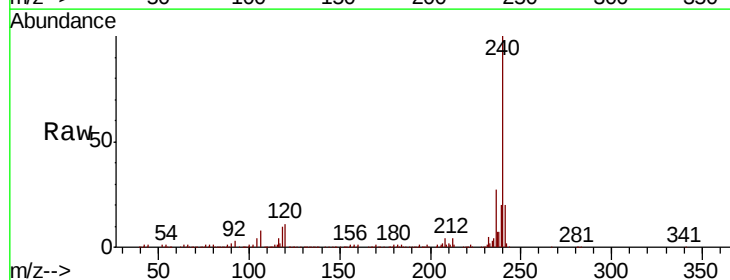
Tgt Ion:240 Resp: 511939

Ion Ratio Lower Upper

240 100

120 10.7 8.4 12.6

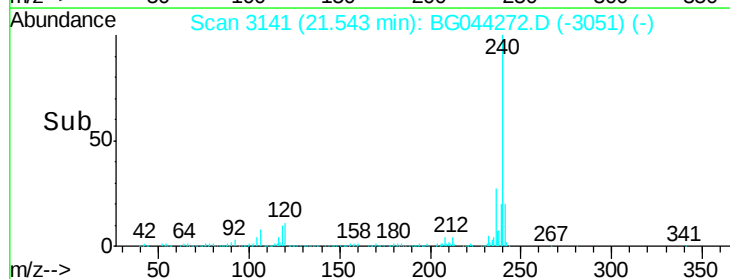
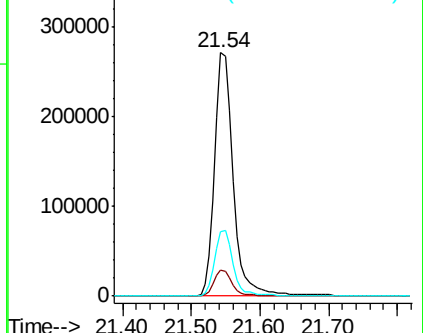
236 26.7 22.1 33.1

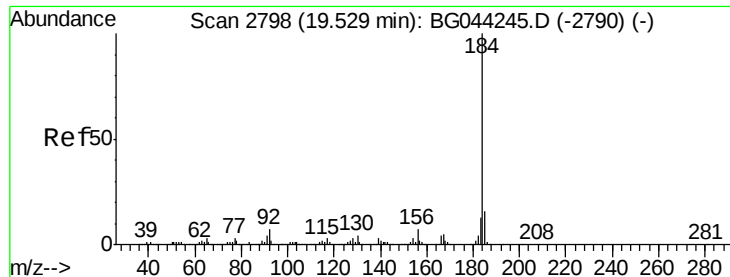


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.502 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.39 min

Lab File: BG044272.D

Acq: 3 Feb 2020 14:46

Instrument :

BNA_G

ClientSampleId :

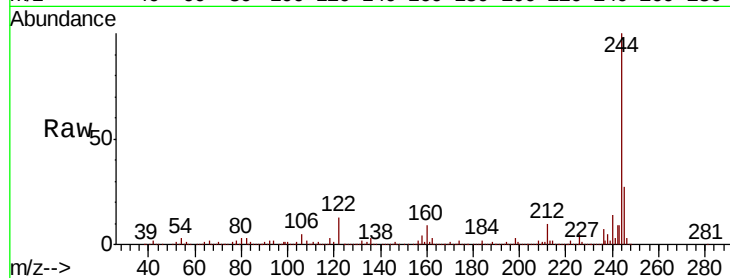
Tot Ion:184 Resp: 35534

Ion Ratio Lower Upper

184 100

185 15.5 12.9 19.3

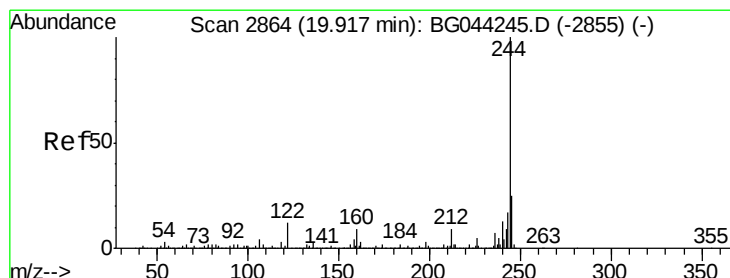
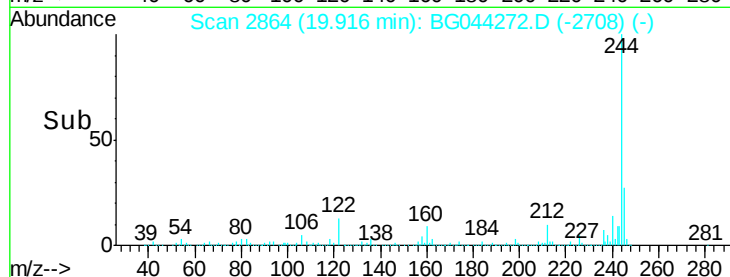
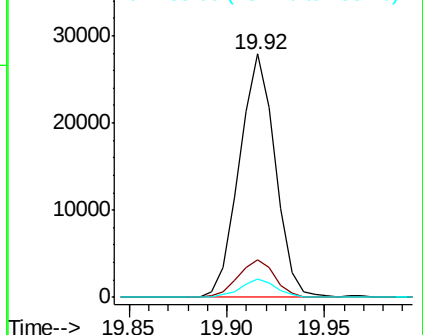
183 7.5 10.8 16.2#



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: 84.129 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG044272.D

Acq: 3 Feb 2020 14:46

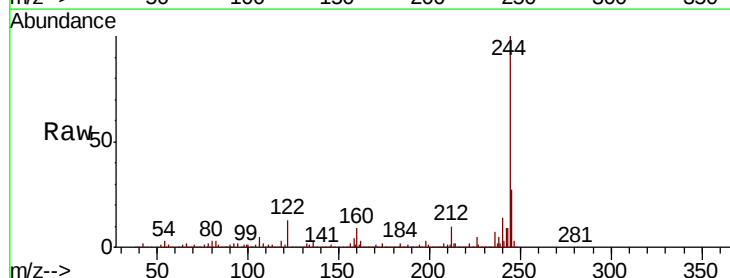
Tgt Ion:244 Resp: 2093914

Ion Ratio Lower Upper

244 100

212 9.7 7.4 11.2

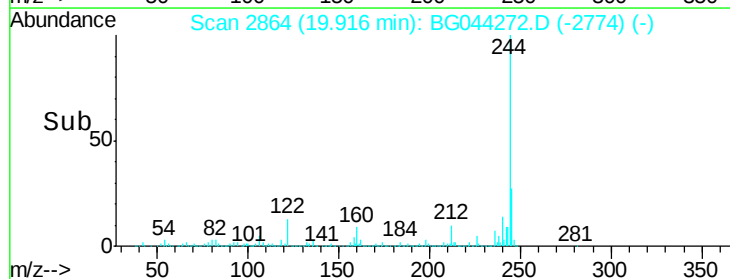
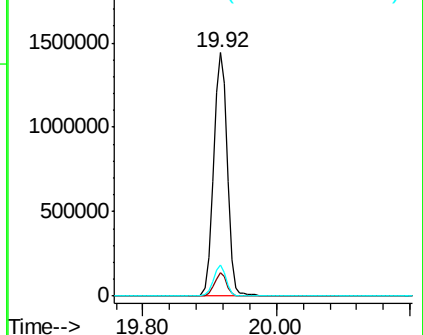
122 12.9 9.8 14.6

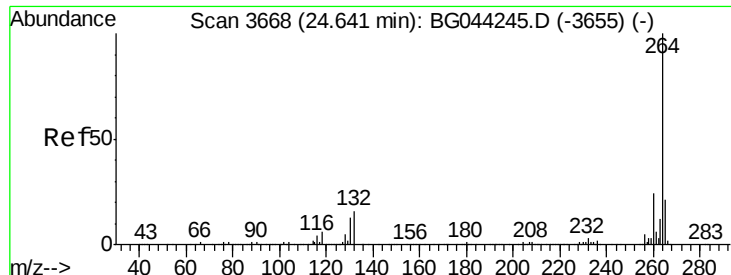


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.65 min Scan# 3670
 Delta R.T. 0.01 min
 Lab File: BG044272.D
 Acq: 3 Feb 2020 14:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	548193
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	22.0	16.7	25.1

