

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020420\
 Data File : BG044290.D
 Acq On : 4 Feb 2020 21:14
 Operator : CG/JU
 Sample : PB126573TB
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 05 04:39:38 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

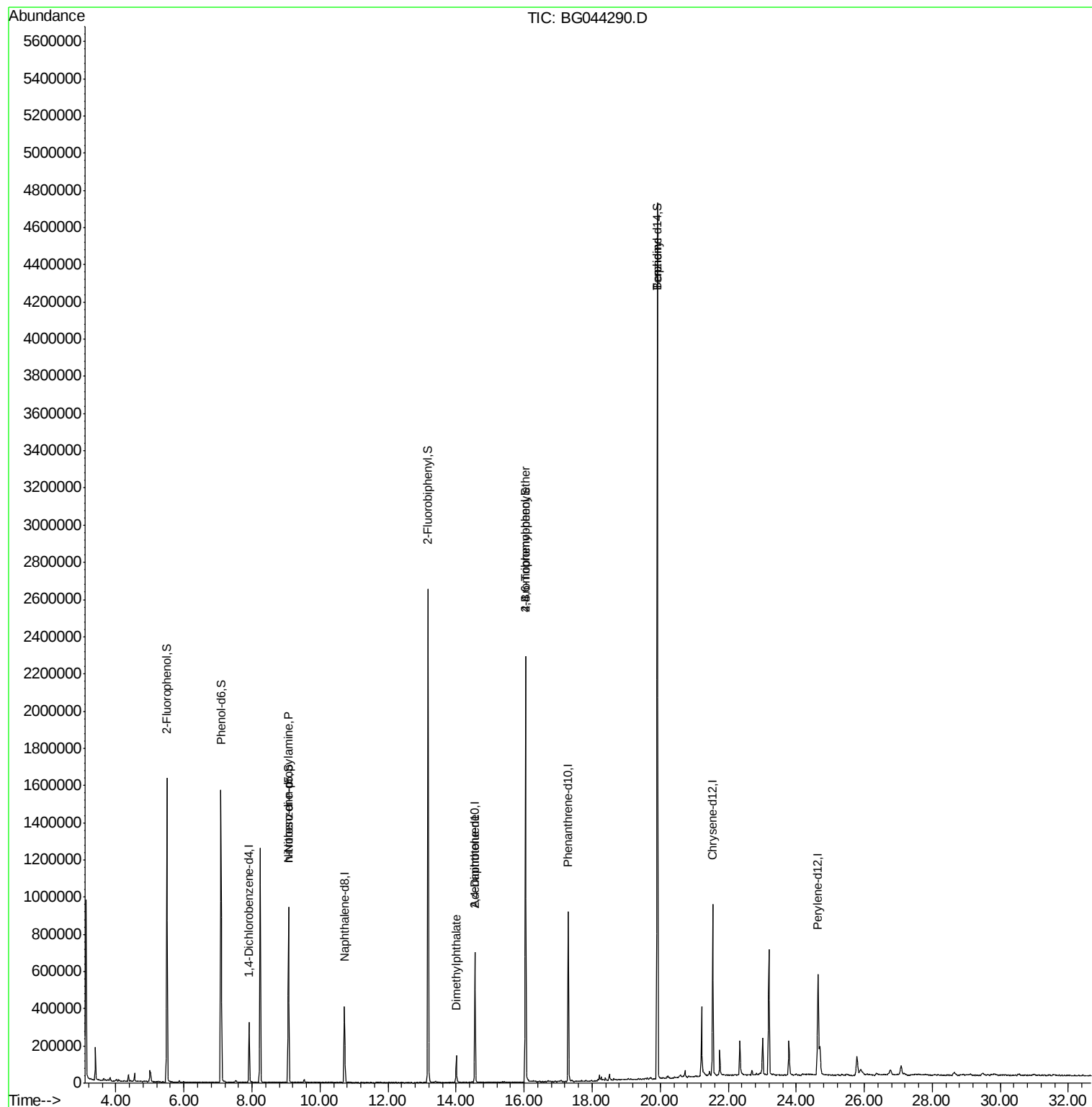
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	96894	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	390044	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	260633	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	591176	20.00	ng	0.00
76) Chrysene-d12	21.54	240	519897	20.00	ng	0.00
87) Perylene-d12	24.64	264	575326	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	775782	141.30	ng	0.00
7) Phenol-d6	7.09	99	998054	135.37	ng	0.00
23) Nitrobenzene-d5	9.08	82	616243	89.20	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	450443	147.22	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1380877	88.72	ng	0.00
79) Terphenyl-d14	19.92	244	2180865	86.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	80218	16.326	ng	Qvalue # 76
50) Dimethylphthalate	14.00	163	110508	5.898	ng	# 98
57) 2,4-Dinitrotoluene	14.55	165	33343	5.695	ng	# 27
67) 4-Bromophenyl-phenylether	16.04	248	31562	4.900	ng	# 1
77) Benzidine	19.92	184	38321	2.657	ng	# 89

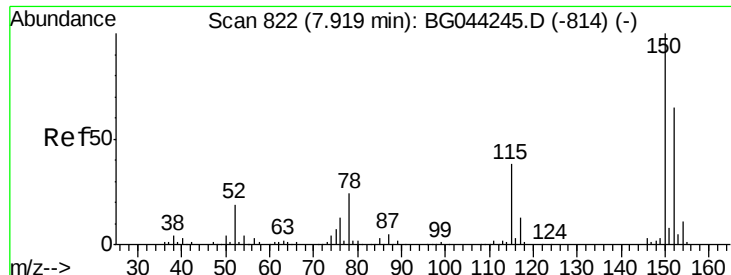
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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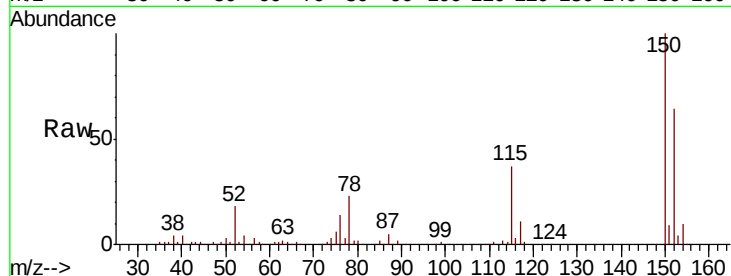


#1

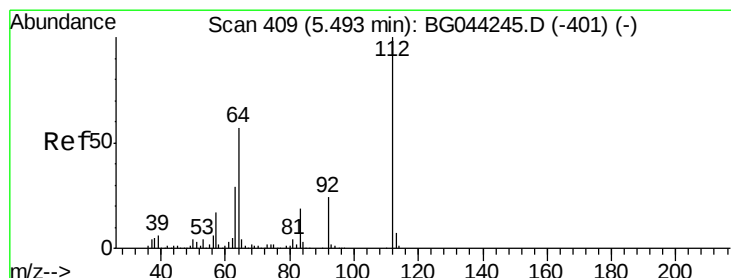
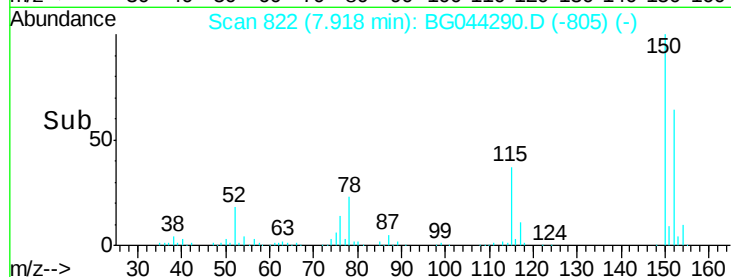
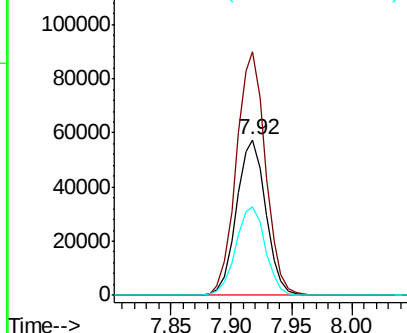
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG044290.D
Acq: 4 Feb 2020 21:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 96894
Ion Ratio Lower Upper
152 100
150 156.6 122.6 183.8
115 57.3 46.0 69.0



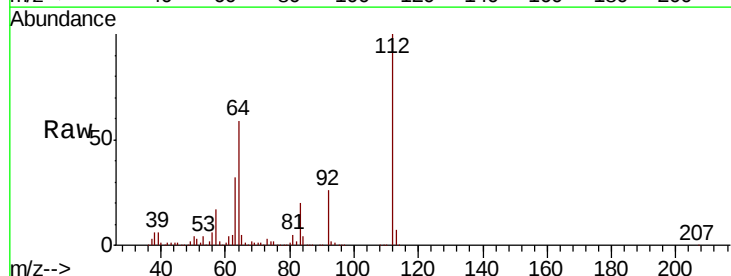
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



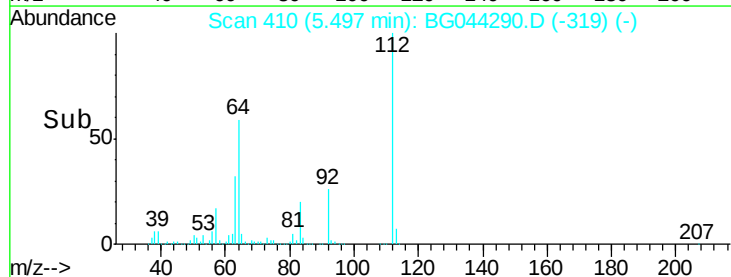
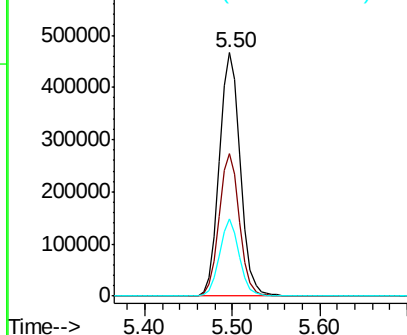
#5

2-Fluorophenol
Concen: 141.302 ng
RT: 5.50 min Scan# 410
Delta R.T. 0.00 min
Lab File: BG044290.D
Acq: 4 Feb 2020 21:14

Tgt Ion:112 Resp: 775782
Ion Ratio Lower Upper
112 100
64 58.7 45.4 68.2
63 31.6 22.9 34.3



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: 135.374 ng

RT: 7.09 min Scan# 681

Delta R.T. 0.00 min

Lab File: BG044290.D

Acq: 4 Feb 2020 21:14

Instrument :

BNA_G

ClientSampleId :

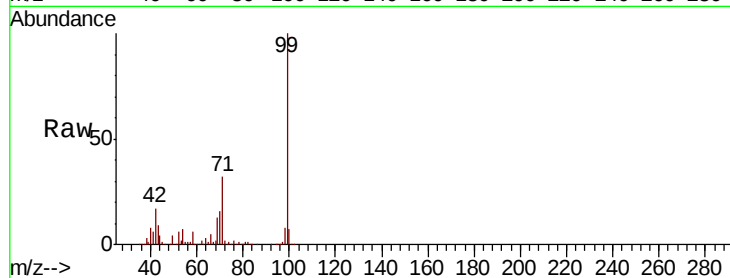
Tot Ion: 99 Resp: 998054

Ion Ratio Lower Upper

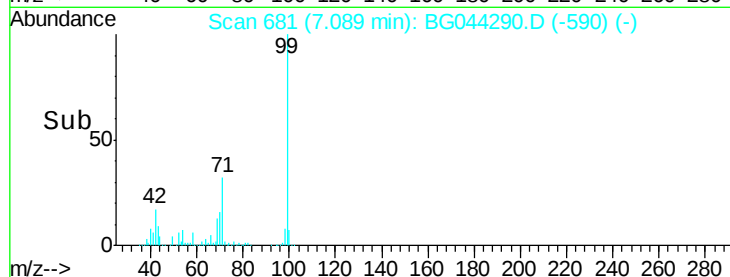
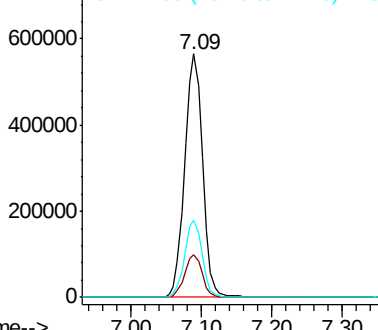
99 100

42 17.3 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: 16.326 ng

RT: 9.08 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG044290.D

Acq: 4 Feb 2020 21:14

Tgt Ion: 70 Resp: 80218

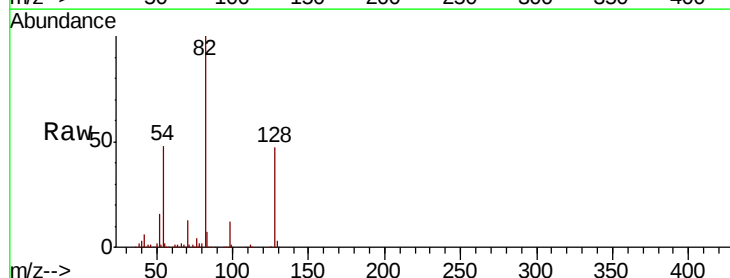
Ion Ratio Lower Upper

70 100

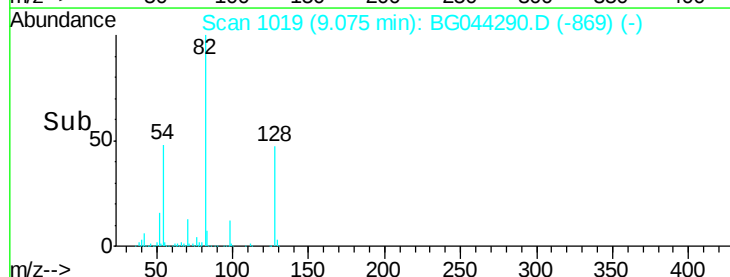
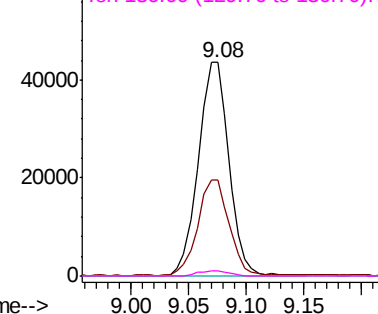
42 45.1 46.2 69.2#

101 0.0 8.4 12.6#

130 2.1 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

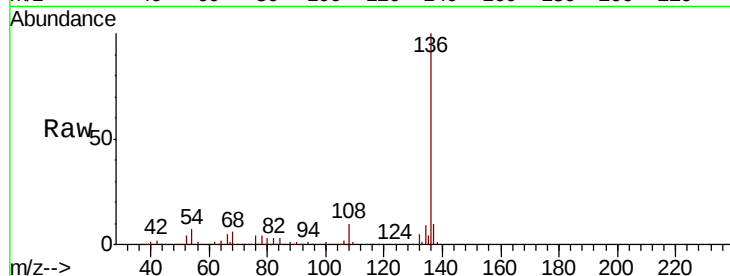




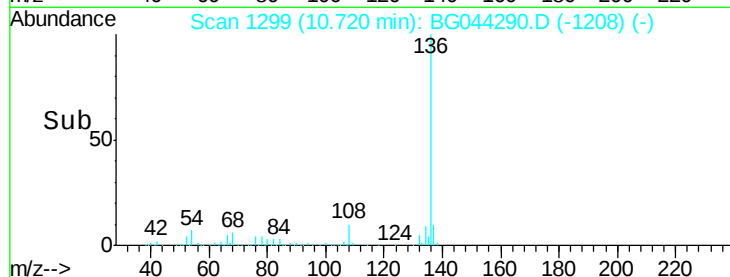
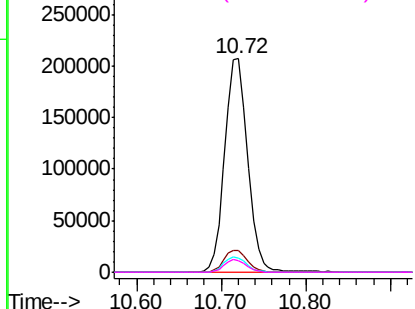
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BG044290.D
Acq: 4 Feb 2020 21:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	390044
Ion	Ratio	Lower Upper
136	100	
137	10.3	8.8 13.2
54	6.9	5.8 8.8
68	5.6	4.6 6.8

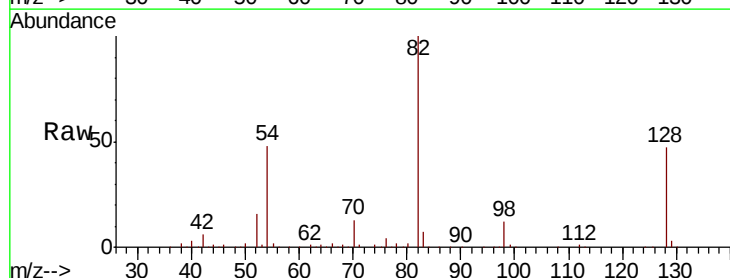


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

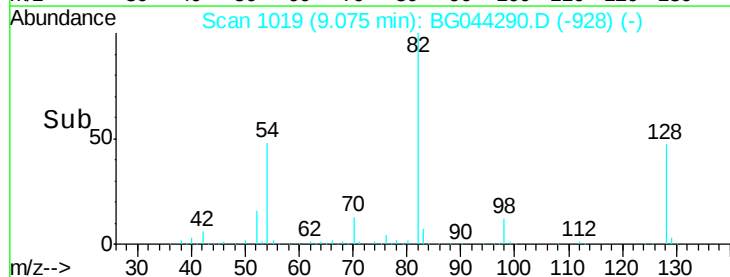
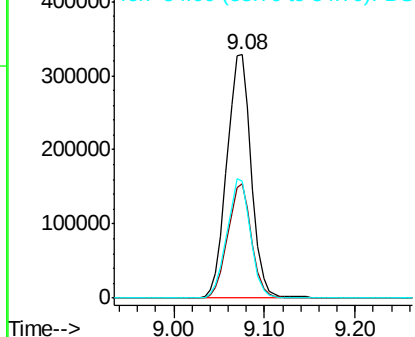


#23
Nitrobenzene-d5
Concen: 89.197 ng
RT: 9.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BG044290.D
Acq: 4 Feb 2020 21:14

Tgt Ion: 82	Resp:	616243
Ion	Ratio	Lower Upper
82	100	
128	47.1	36.5 54.7
54	47.9	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: 14.55 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG044290.D

Acq: 4 Feb 2020 21:14

Instrument :

BNA_G

ClientSampleId :

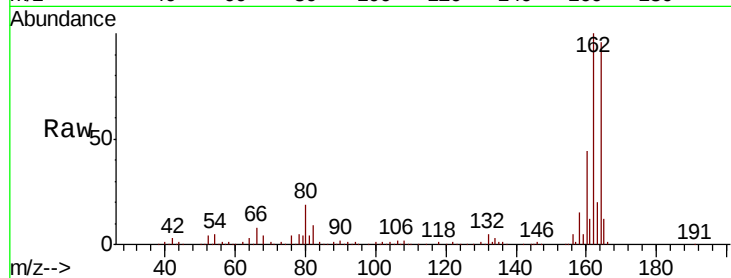
Tot Ion:164 Resp: 260633

Ion Ratio Lower Upper

164 100

162 104.0 80.7 121.1

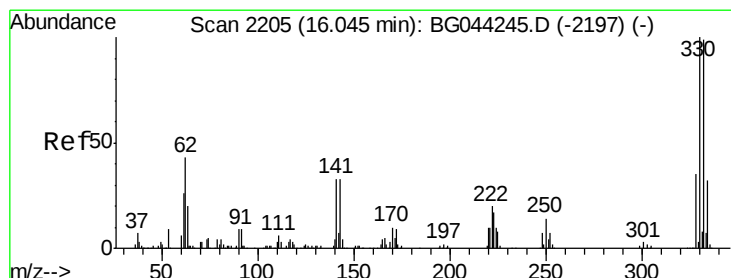
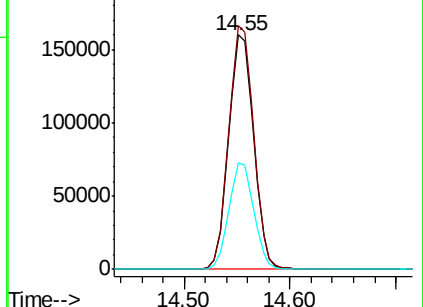
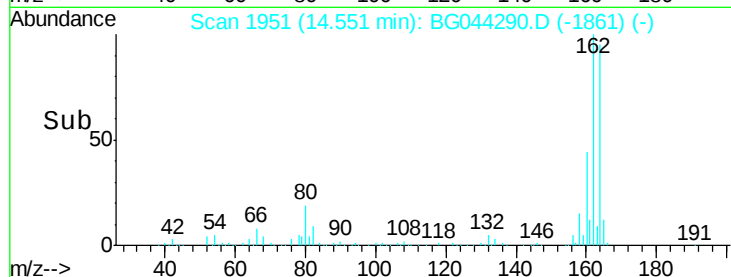
160 45.4 35.3 52.9



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: 147.219 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG044290.D

Acq: 4 Feb 2020 21:14

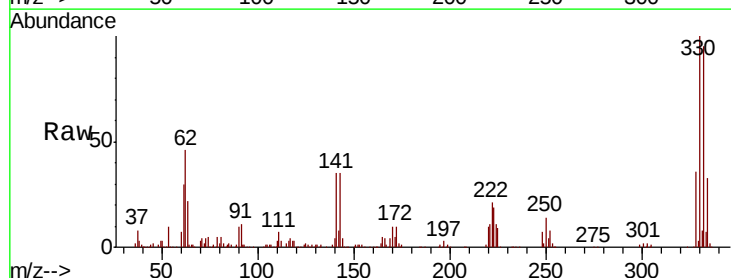
Tgt Ion:330 Resp: 450443

Ion Ratio Lower Upper

330 100

332 95.3 77.2 115.8

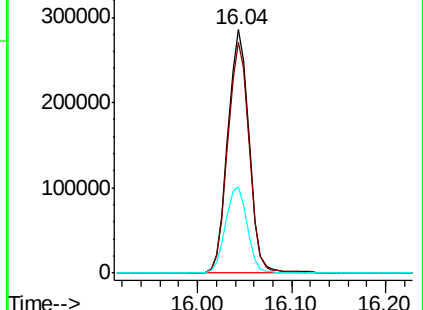
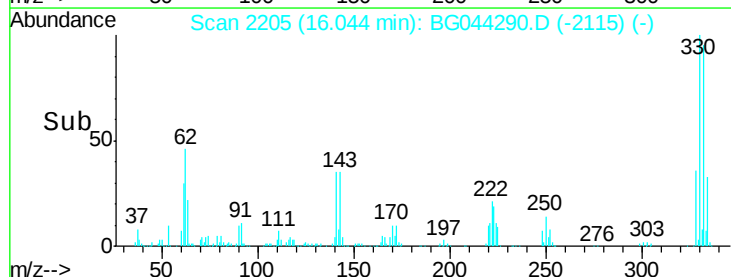
141 36.3 28.3 42.5



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

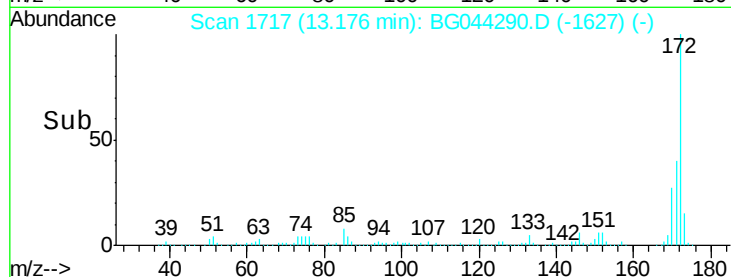
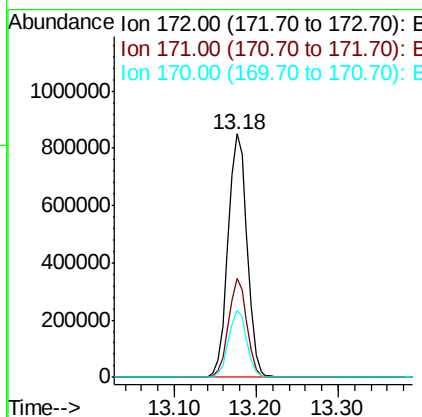
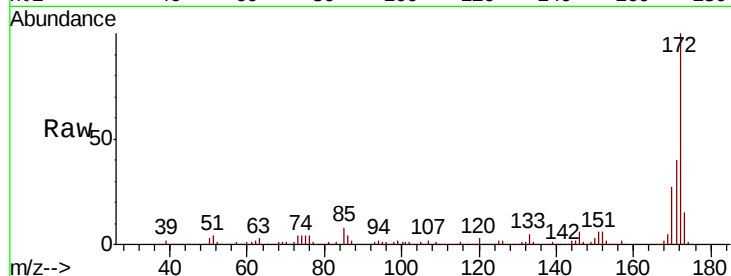




#45
2-Fluorobiphenyl
Concen: 88.721 ng
RT: 13.18 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BG044290.D
Acq: 4 Feb 2020 21:14

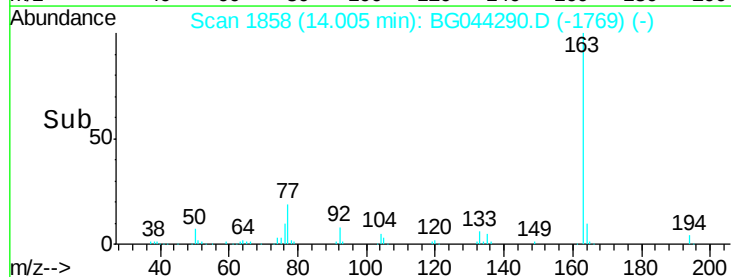
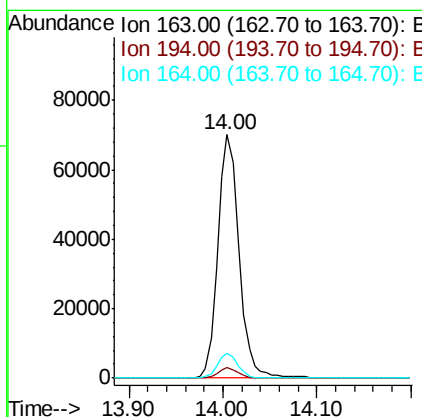
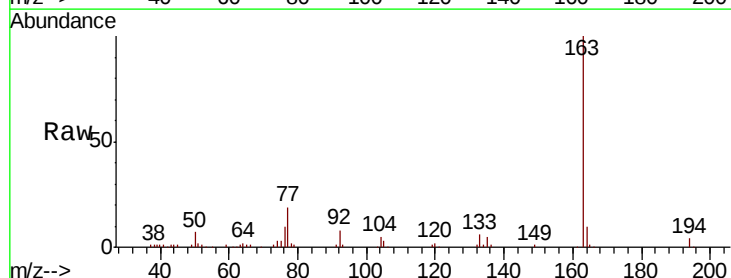
Instrument :
BNA_G
ClientSampleId :

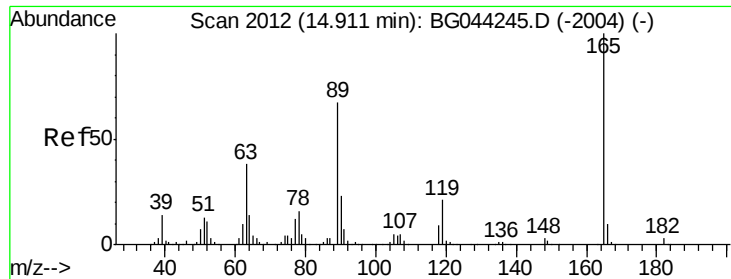
Tot Ion:172 Resp: 1380877
Ion Ratio Lower Upper
172 100
171 40.4 32.9 49.3
170 27.3 22.0 33.0



#50
Dimethylphthalate
Concen: 5.898 ng
RT: 14.00 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BG044290.D
Acq: 4 Feb 2020 21:14

Tgt Ion:163 Resp: 110508
Ion Ratio Lower Upper
163 100
194 4.1 3.6 5.4
164 10.2 8.7 13.1

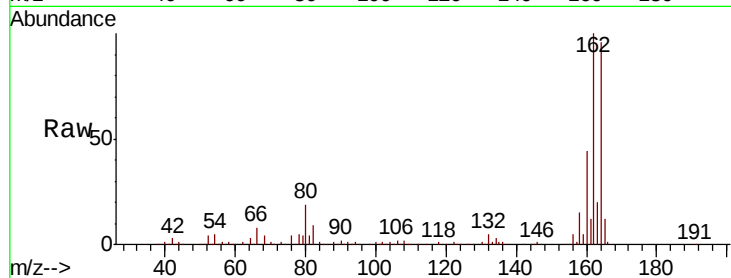




#57
 2,4-Dinitrotoluene
 Concen: 5.695 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG044290.D
 Acq: 4 Feb 2020 21:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.3	45.5#
89	1.9	53.4	80.2#
182	0.0	2.1	3.1#

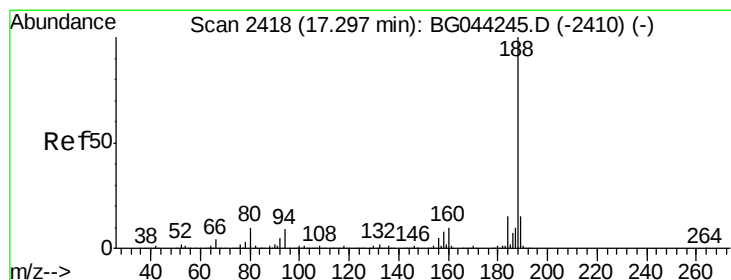
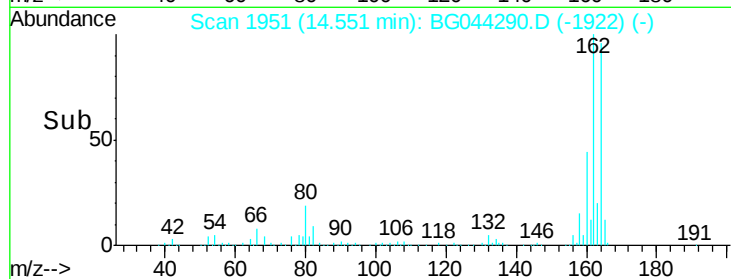
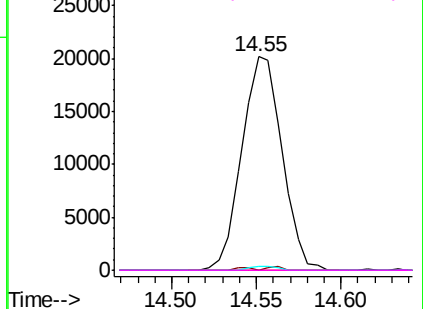


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

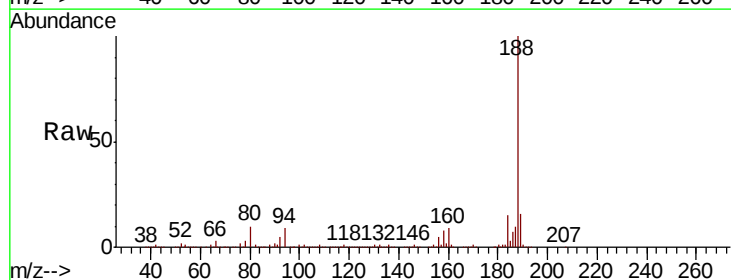
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2418
 Delta R.T. -0.00 min
 Lab File: BG044290.D
 Acq: 4 Feb 2020 21:14

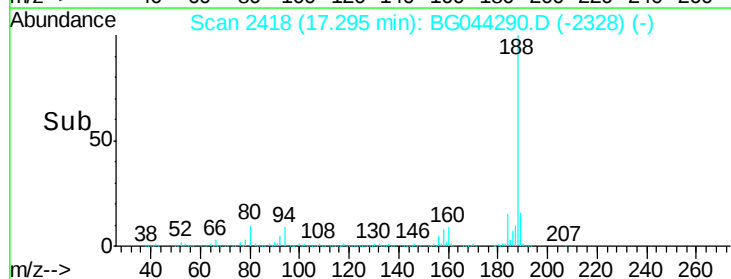
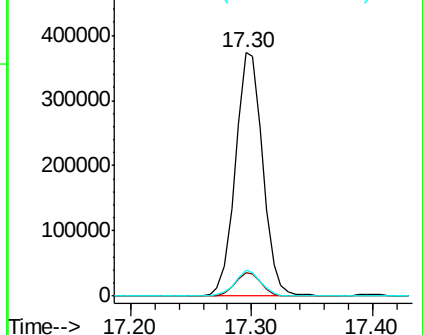
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.4	11.2
80	10.5	7.7	11.5

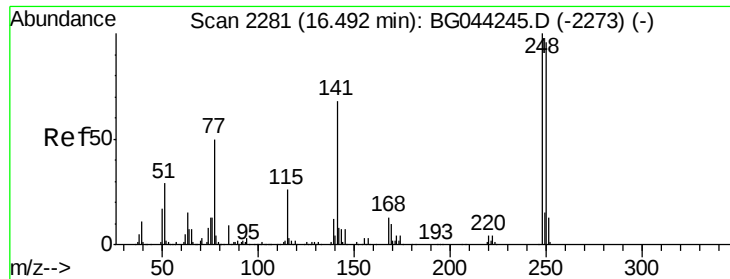


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

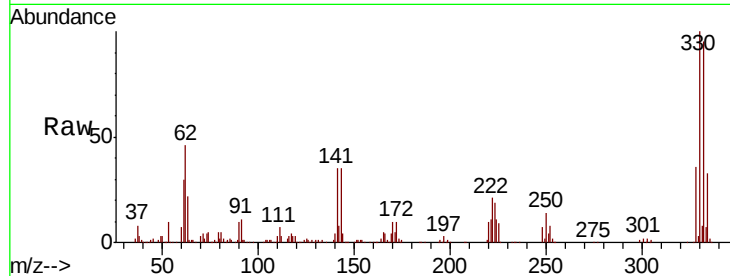




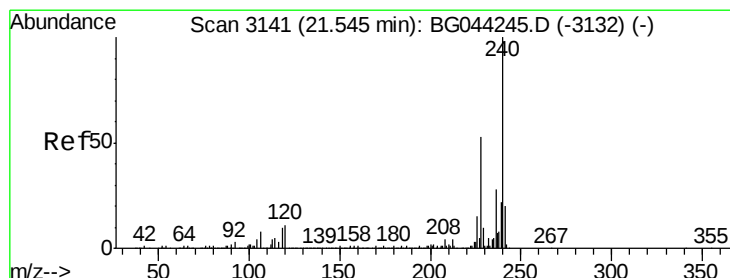
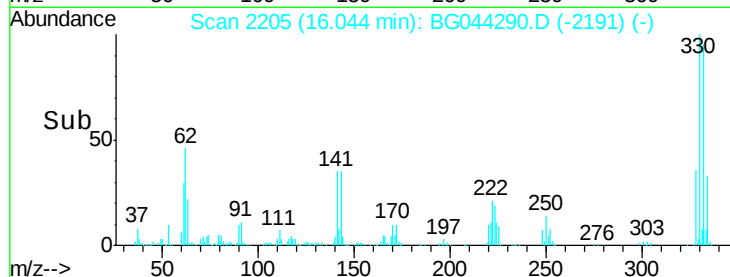
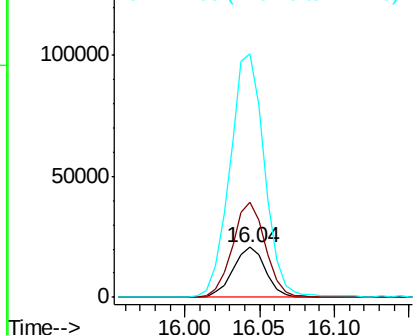
#67
 4-Bromophenyl-phenylether
 Concen: 4.900 ng
 RT: 16.04 min Scan# 2205
 Delta R.T. -0.45 min
 Lab File: BG044290.D
 Acq: 4 Feb 2020 21:14

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 31562
 Ion Ratio Lower Upper
 248 100
 250 191.6 76.6 114.8#
 141 489.3 54.7 82.1#

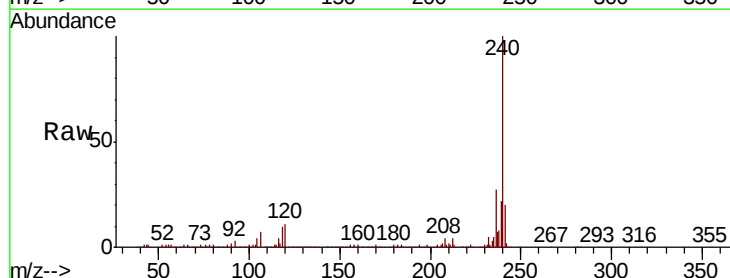


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

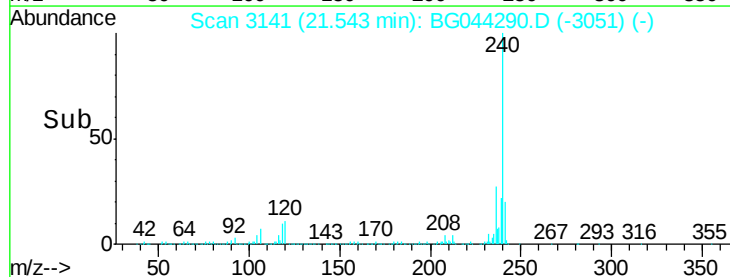
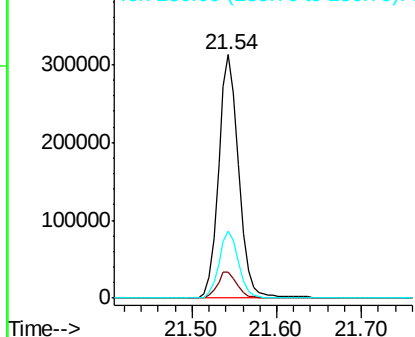


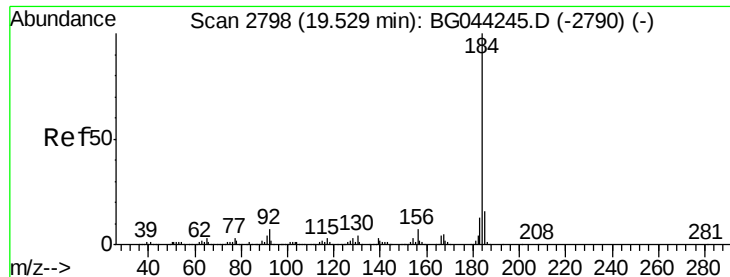
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.54 min Scan# 3141
 Delta R.T. -0.00 min
 Lab File: BG044290.D
 Acq: 4 Feb 2020 21:14

Tgt Ion:240 Resp: 519897
 Ion Ratio Lower Upper
 240 100
 120 10.7 8.4 12.6
 236 27.4 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: 2.657 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.39 min

Lab File: BG044290.D

Acq: 4 Feb 2020 21:14

Instrument :

BNA_G

ClientSampleId :

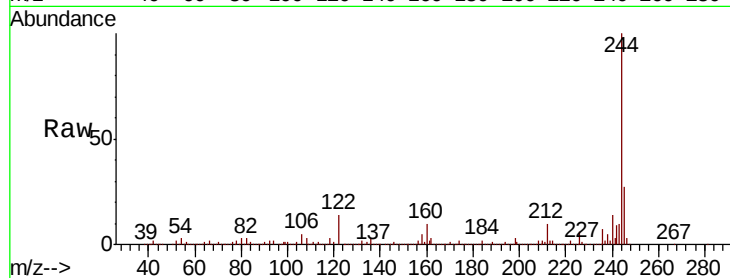
Tot Ion:184 Resp: 38321

Ion Ratio Lower Upper

184 100

185 18.5 12.9 19.3

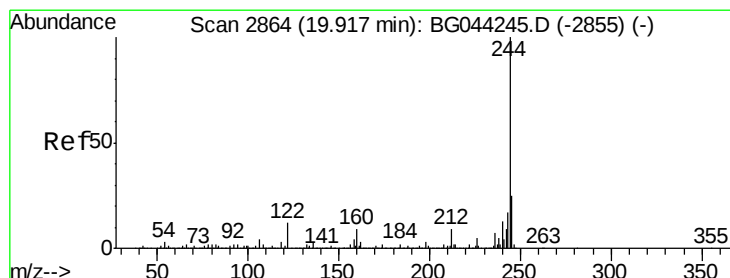
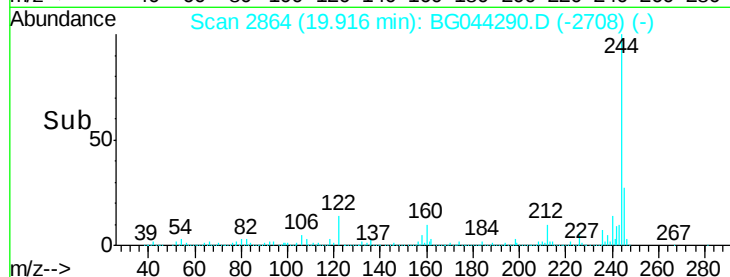
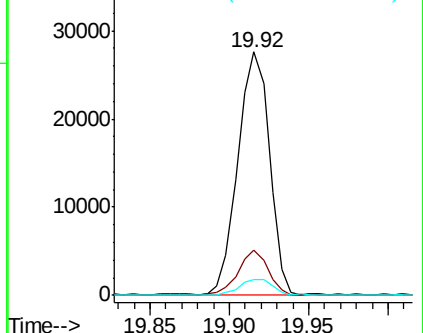
183 6.3 10.8 16.2#



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: 86.282 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG044290.D

Acq: 4 Feb 2020 21:14

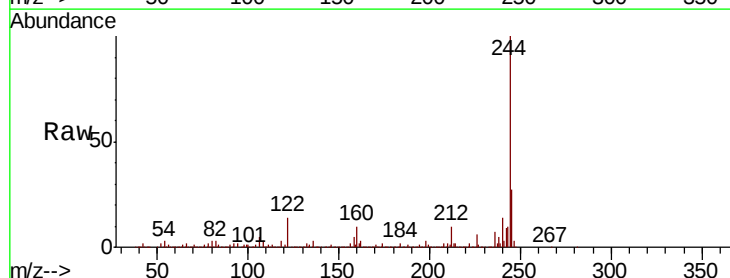
Tgt Ion:244 Resp: 2180865

Ion Ratio Lower Upper

244 100

212 10.0 7.4 11.2

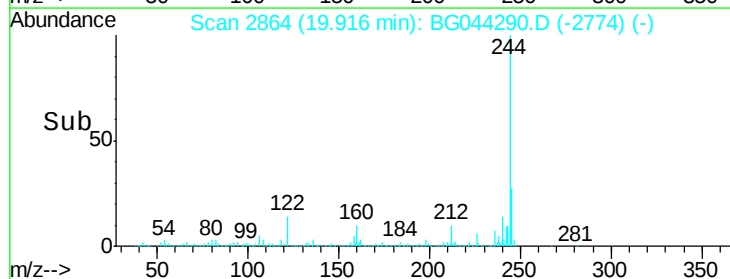
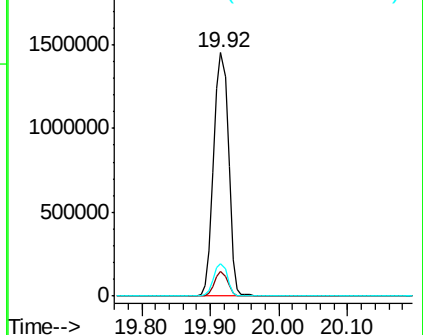
122 13.5 9.8 14.6

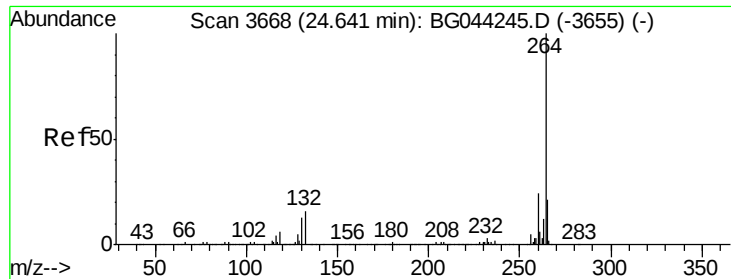


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

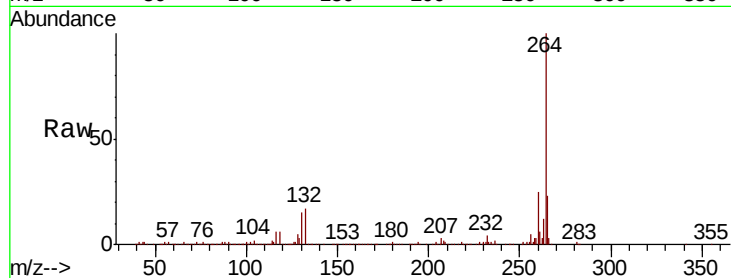




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.64 min Scan# 3668
Delta R.T. -0.00 min
Lab File: BG044290.D
Acq: 4 Feb 2020 21:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.4	29.2
265	22.7	16.7	25.1



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

