

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022620\
 Data File : BG044601.D
 Acq On : 26 Feb 2020 13:13
 Operator : CG/JU
 Sample : PB127061BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 27 06:41:37 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

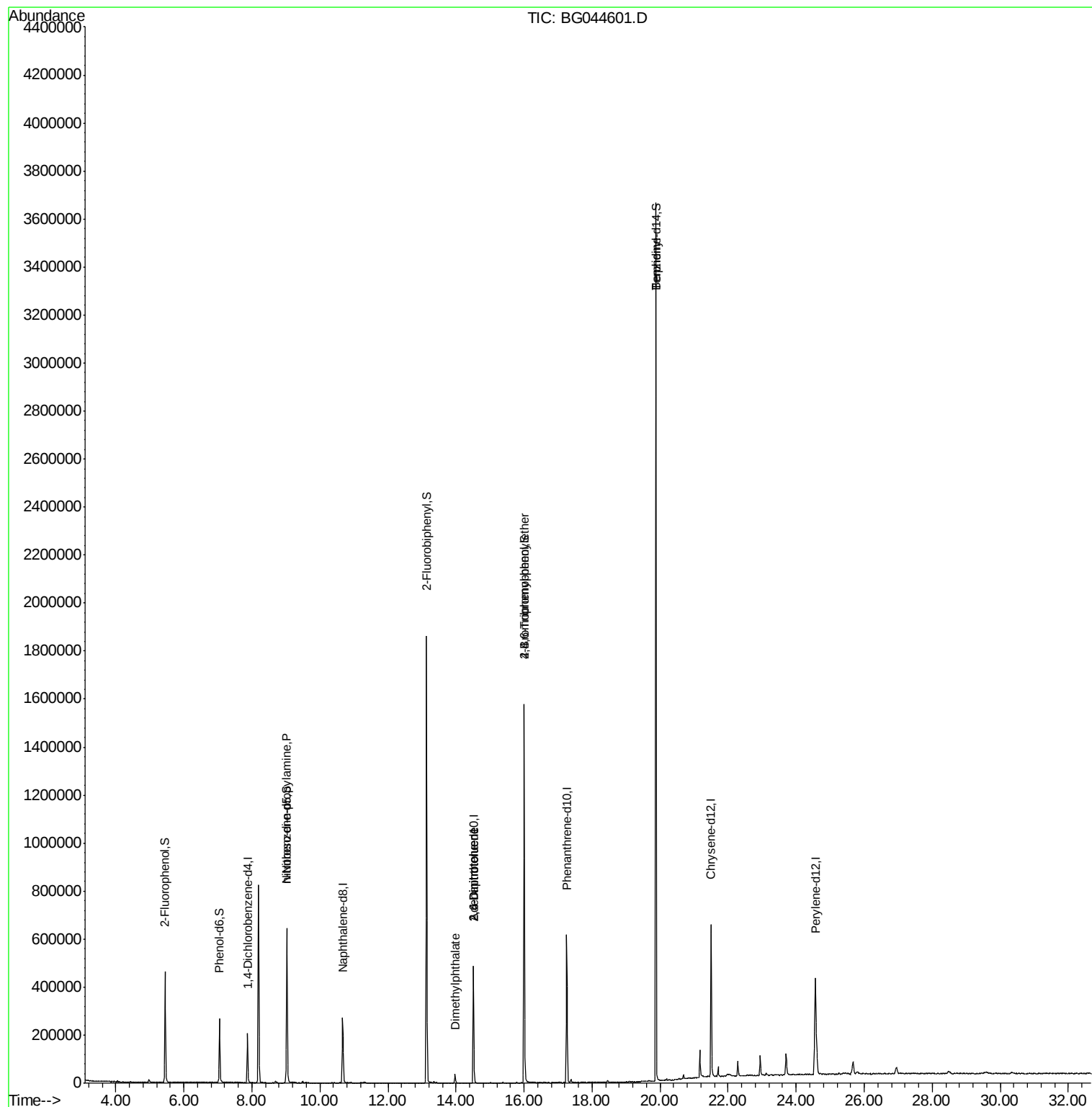
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	62493	20.00	ng	0.00
21) Naphthalene-d8	10.67	136	261853	20.00	ng	0.00
39) Acenaphthene-d10	14.51	164	177308	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	415819	20.00	ng	0.00
76) Chrysene-d12	21.50	240	403821	20.00	ng	0.00
87) Perylene-d12	24.57	264	416246	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	237763	61.04	ng	0.00
7) Phenol-d6	7.04	99	186554	34.99	ng	0.00
23) Nitrobenzene-d5	9.03	82	431534	84.90	ng	0.00
42) 2,4,6-Tribromophenol	16.00	330	325923	129.64	ng	0.00
45) 2-Fluorobiphenyl	13.14	172	1021764	82.52	ng	0.00
79) Terphenyl-d14	19.88	244	1741841	81.66	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.03	70	56347	16.442	ng	Qvalue # 80
50) Dimethylphthalate	13.97	163	32829	2.294	ng	97
51) 2,6-Dinitrotoluene	14.51	165	23085	7.314	ng	# 32
57) 2,4-Dinitrotoluene	14.51	165	23085	5.202	ng	# 31
67) 4-Bromophenyl-phenylether	16.00	248	22021	4.266	ng	# 1
77) Benzidine	19.88	184	27898	2.017	ng	# 91

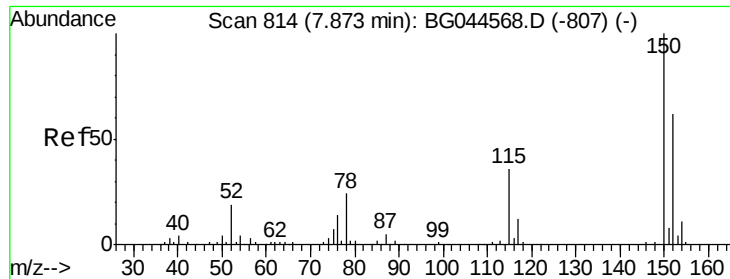
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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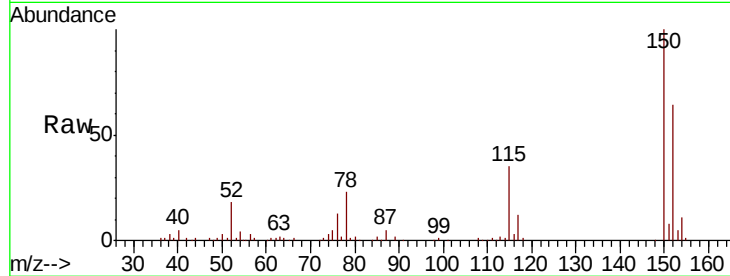


#1

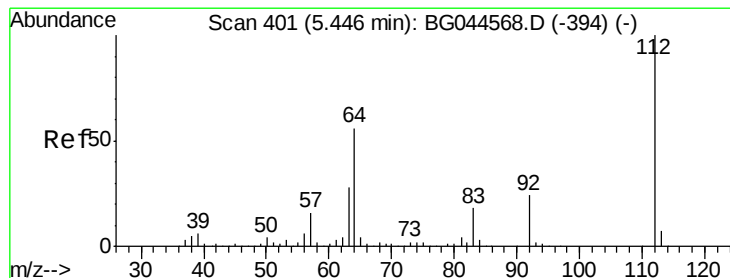
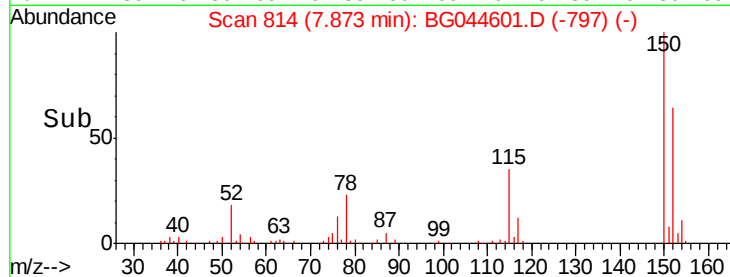
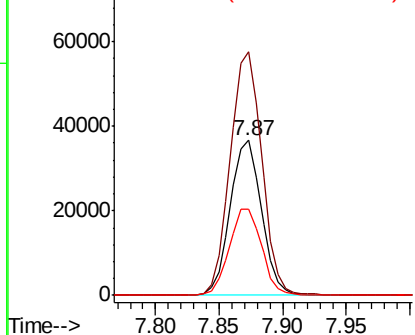
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.87 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BG044601.D
 Acq: 26 Feb 2020 13:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	128.9	193.3
115	55.5	47.0	70.4



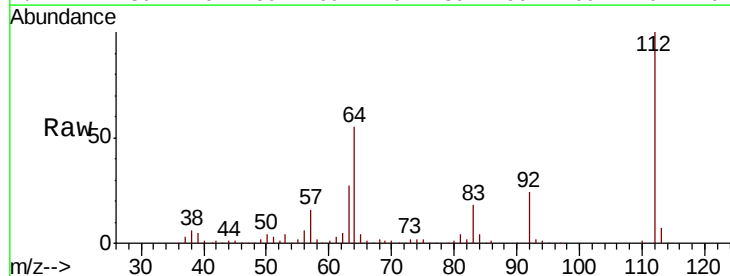
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



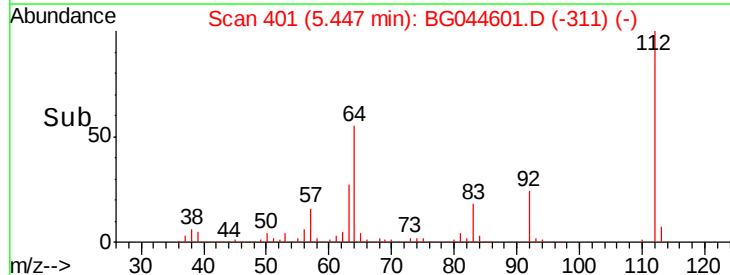
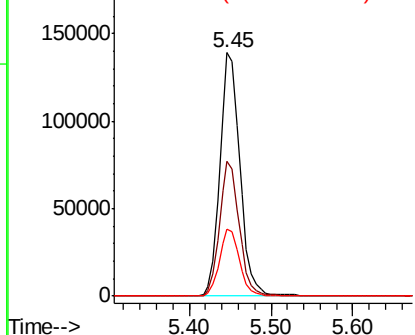
#5

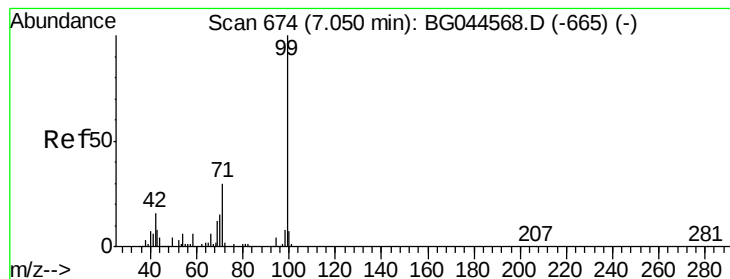
2-Fluorophenol
 Concen: 61.044 ng
 RT: 5.45 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: BG044601.D
 Acq: 26 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.8	67.2
63	27.5	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: 34.991 ng

RT: 7.04 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG044601.D

Acq: 26 Feb 2020 13:13

Instrument :

BNA_G

ClientSampled :

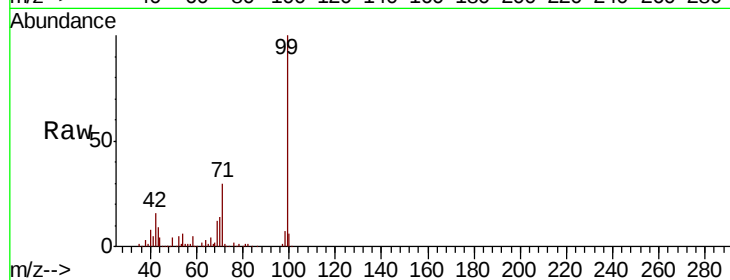
Tot Ion: 99 Resp: 186554

Ion Ratio Lower Upper

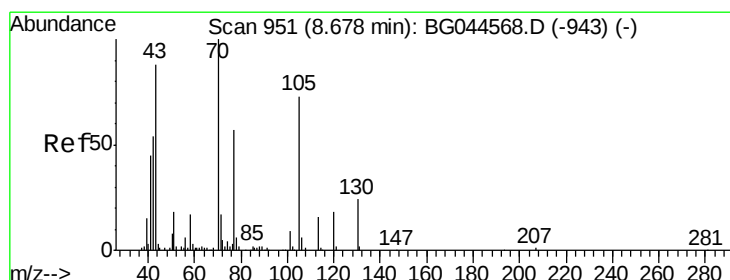
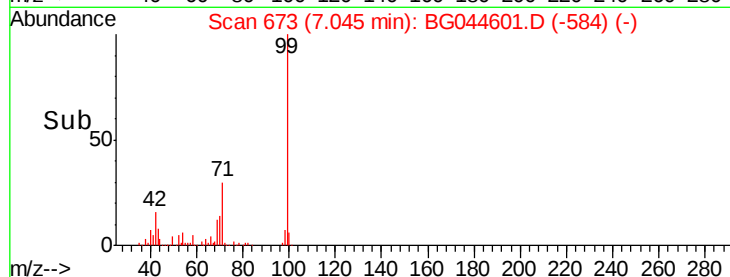
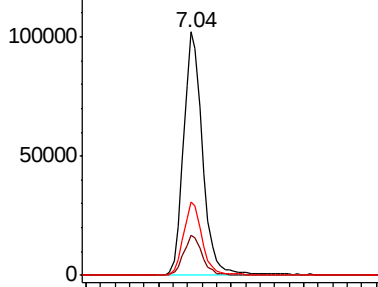
99 100

42 16.2 12.8 19.2

71 30.1 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: 16.442 ng

RT: 9.03 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG044601.D

Acq: 26 Feb 2020 13:13

Tgt Ion: 70 Resp: 56347

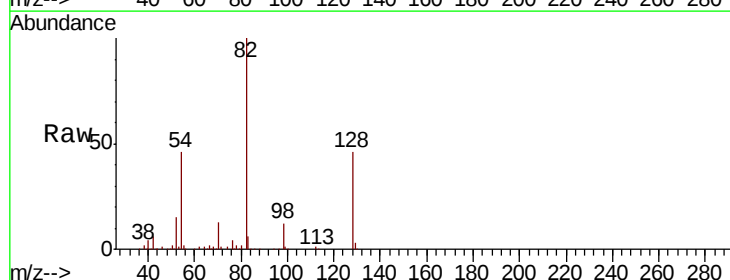
Ion Ratio Lower Upper

70 100

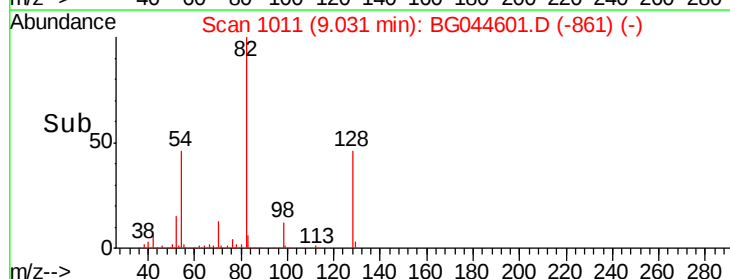
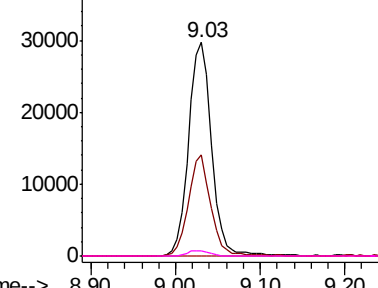
42 47.4 43.4 65.0

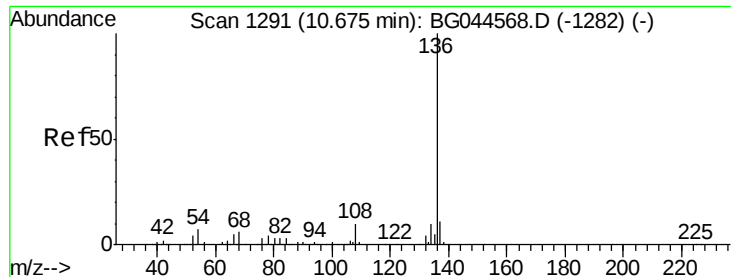
101 0.0 7.5 11.3#

130 2.3 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

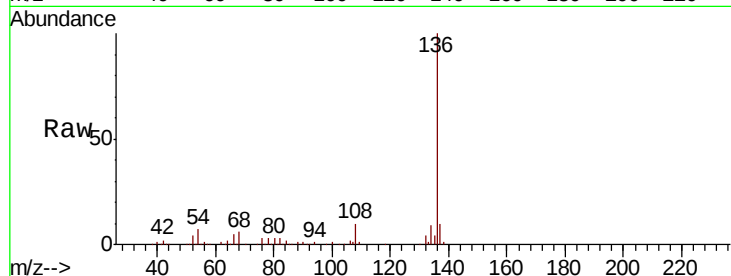




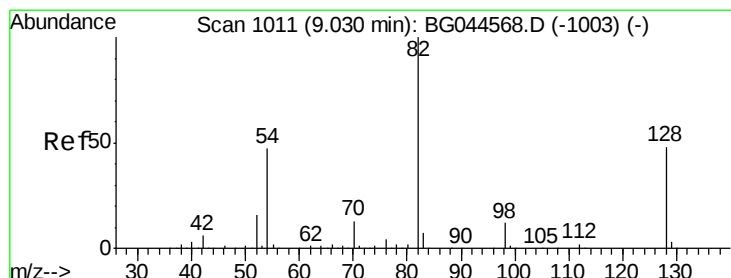
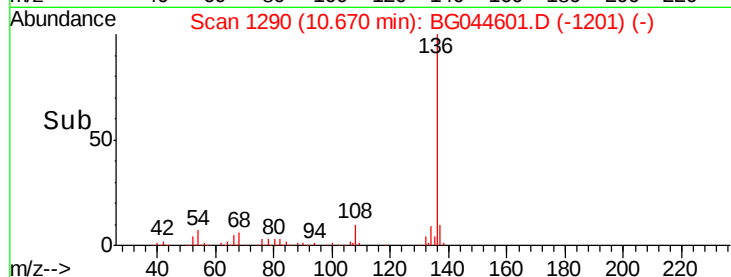
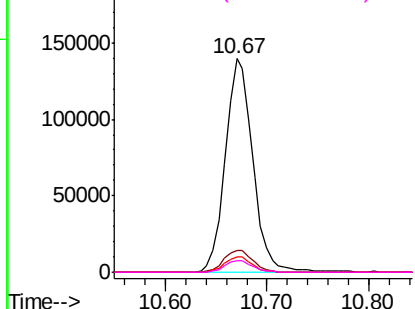
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BG044601.D
Acq: 26 Feb 2020 13:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	261853
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.8 13.2
54	7.2	5.7 8.5
68	5.6	4.5 6.7

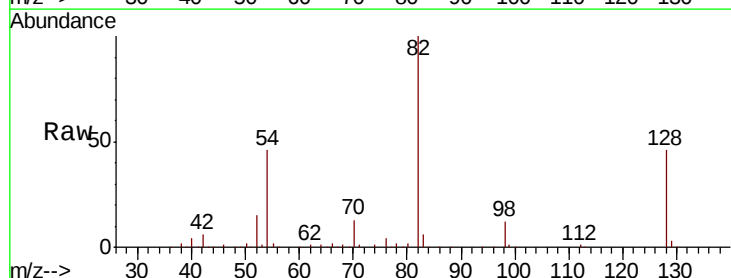


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

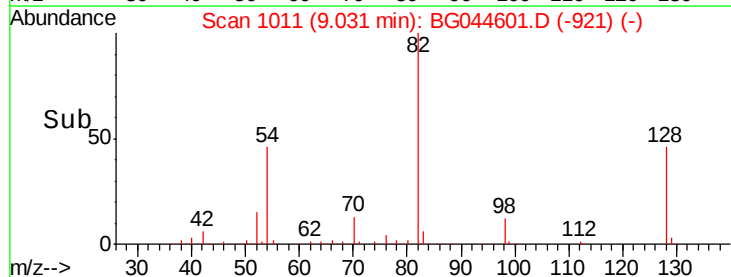
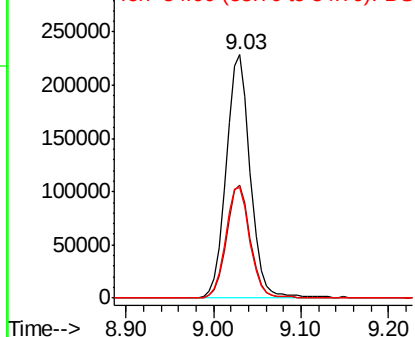


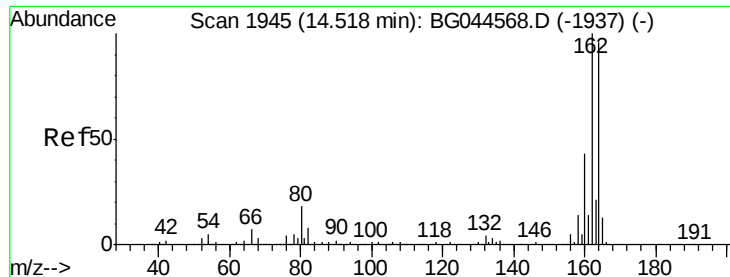
#23
Nitrobenzene-d5
Concen: 84.902 ng
RT: 9.03 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BG044601.D
Acq: 26 Feb 2020 13:13

Tgt Ion: 82	Resp:	431534
Ion	Ratio	Lower Upper
82	100	
128	46.2	38.1 57.1
54	45.5	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: 14.51 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG044601.D

Acq: 26 Feb 2020 13:13

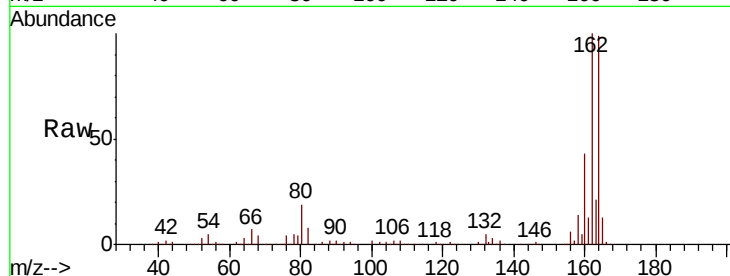
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 177308

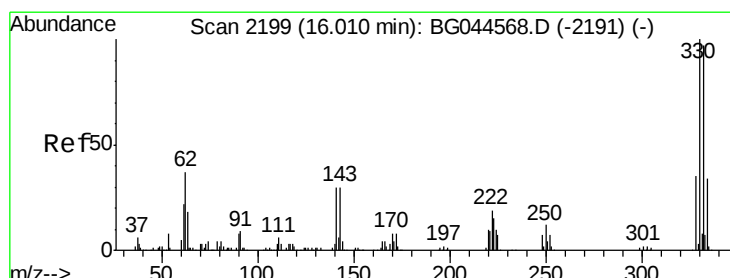
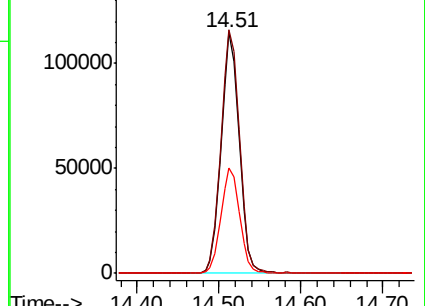
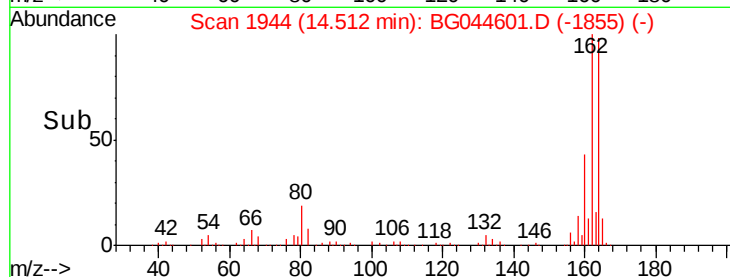
Ion	Ratio	Lower	Upper
164	100		
162	101.3	83.6	125.4
160	43.7	36.2	54.4



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: 129.639 ng

RT: 16.00 min Scan# 2198

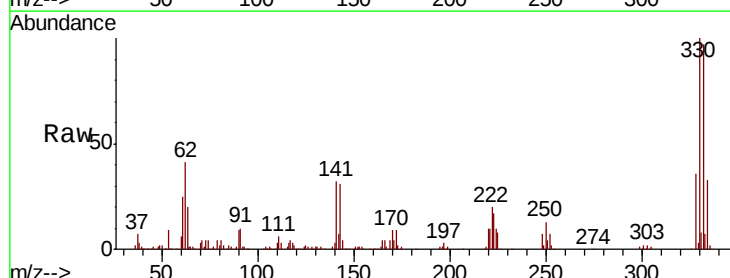
Delta R.T. -0.01 min

Lab File: BG044601.D

Acq: 26 Feb 2020 13:13

Tgt Ion:330 Resp: 325923

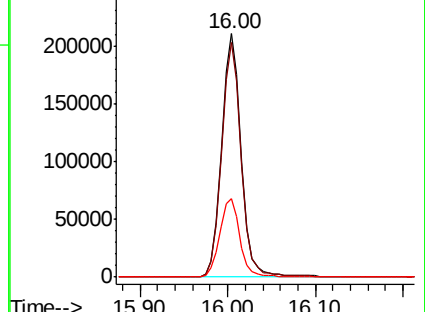
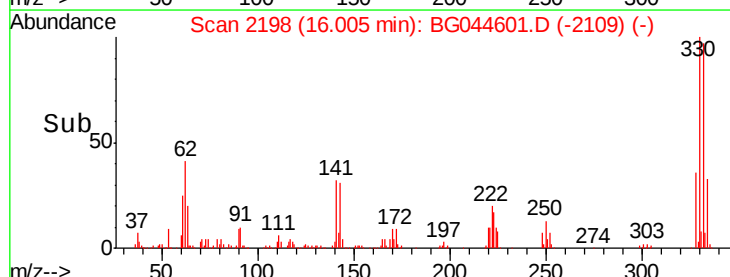
Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.0
141	33.4	26.1	39.1

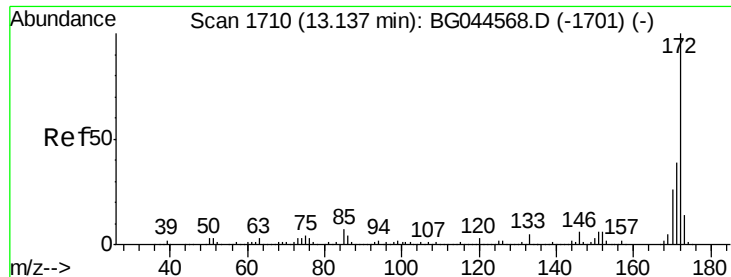


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

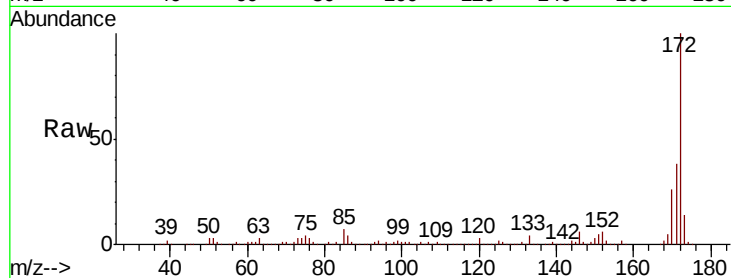




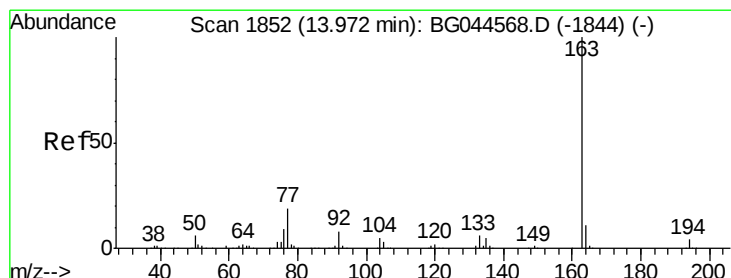
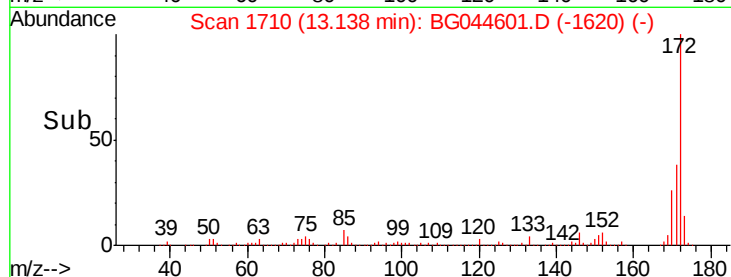
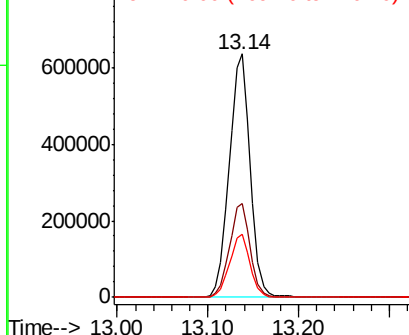
#45
2-Fluorobiphenyl
Concen: 82.521 ng
RT: 13.14 min Scan# 1710
Delta R.T. 0.00 min
Lab File: BG044601.D
Acq: 26 Feb 2020 13:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1021764
Ion Ratio Lower Upper
172 100
171 38.5 31.3 46.9
170 25.9 21.0 31.4

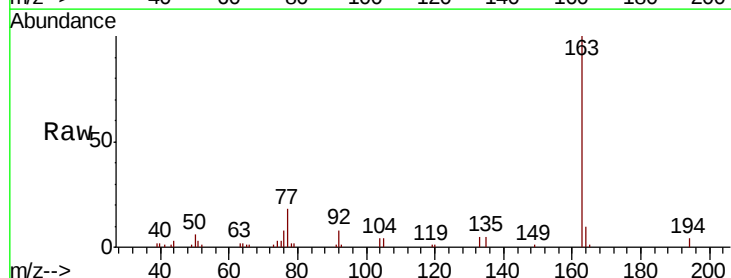


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

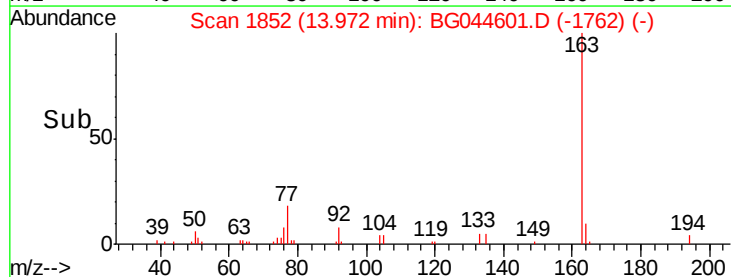
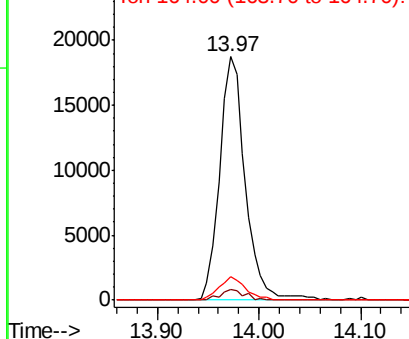


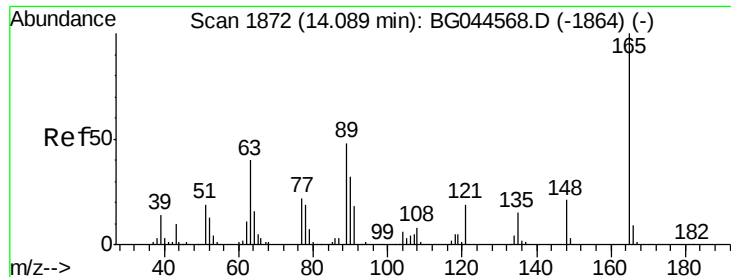
#50
Dimethylphthalate
Concen: 2.294 ng
RT: 13.97 min Scan# 1852
Delta R.T. 0.00 min
Lab File: BG044601.D
Acq: 26 Feb 2020 13:13

Tgt Ion:163 Resp: 32829
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 9.6 8.7 13.1



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: 7.314 ng

RT: 14.51 min Scan# 1944

Delta R.T. 0.42 min

Lab File: BG044601.D

Acq: 26 Feb 2020 13:13

Instrument :

BNA_G

ClientSampleId :

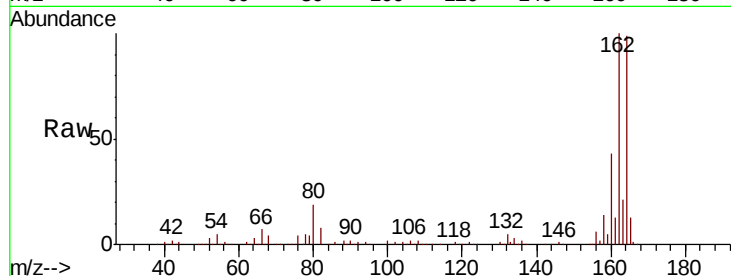
Tot Ion:165 Resp: 23085

Ion Ratio Lower Upper

165 100

63 1.9 35.8 53.6#

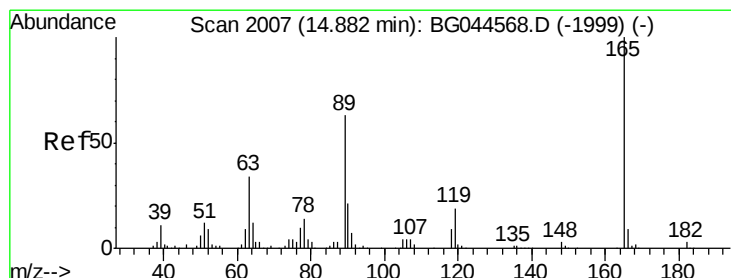
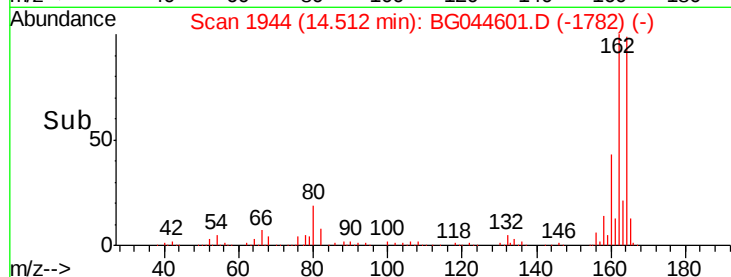
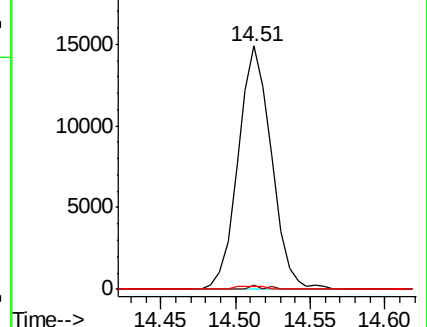
89 1.4 38.7 58.1#



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



#57

2,4-Dinitrotoluene

Concen: 5.202 ng

RT: 14.51 min Scan# 1944

Delta R.T. -0.37 min

Lab File: BG044601.D

Acq: 26 Feb 2020 13:13

Tgt Ion:165 Resp: 23085

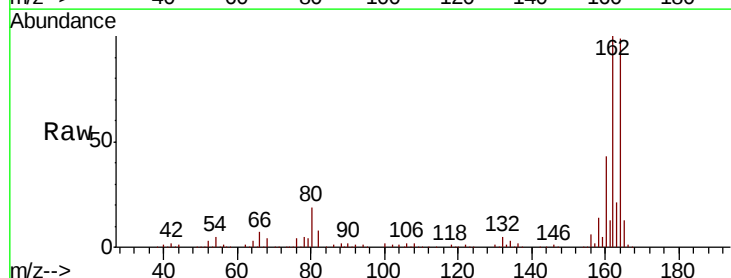
Ion Ratio Lower Upper

165 100

63 1.9 27.5 41.3#

89 1.4 50.0 75.0#

182 0.0 2.3 3.5#

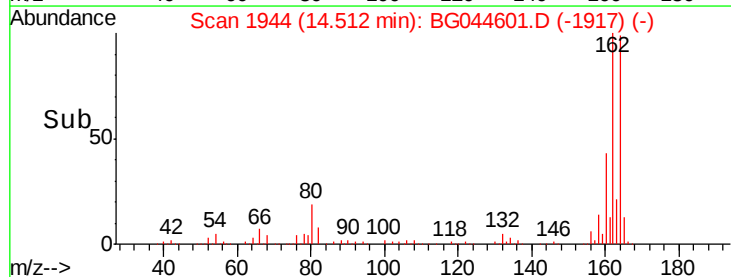
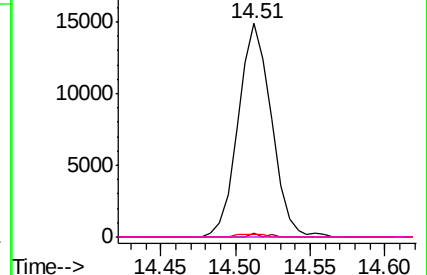


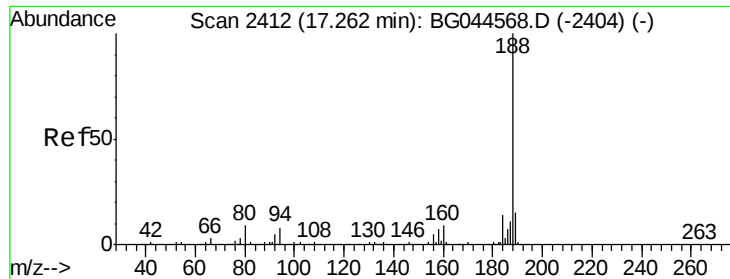
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2411

Delta R.T. -0.01 min

Lab File: BG044601.D

Acq: 26 Feb 2020 13:13

Instrument :

BNA_G

ClientSampleId :

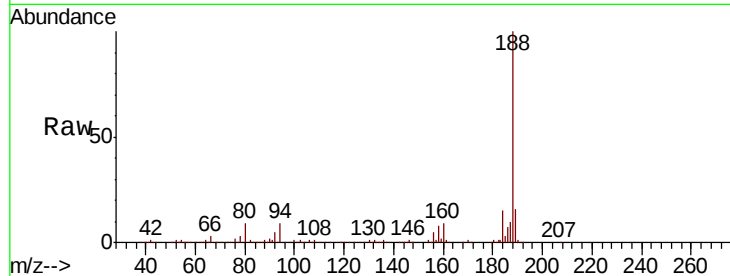
Tot Ion:188 Resp: 415819

Ion Ratio Lower Upper

188 100

94 8.5 6.7 10.1

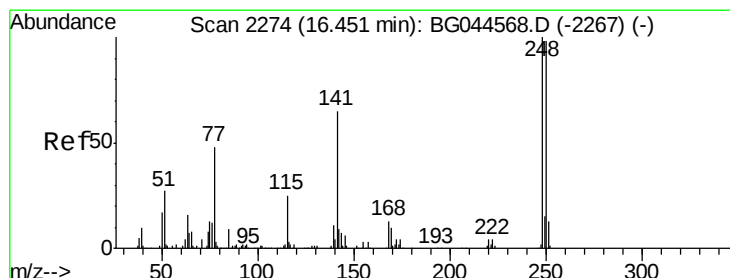
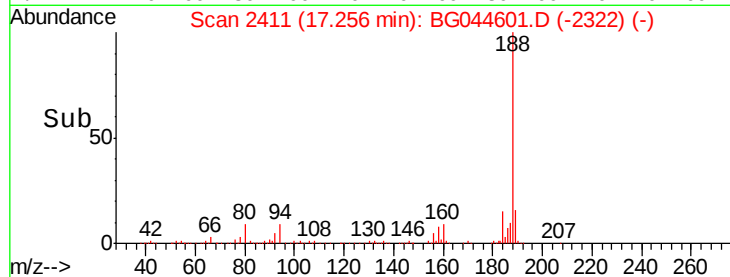
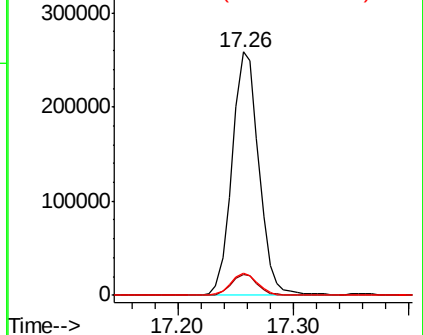
80 9.4 7.6 11.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.266 ng

RT: 16.00 min Scan# 2198

Delta R.T. -0.45 min

Lab File: BG044601.D

Acq: 26 Feb 2020 13:13

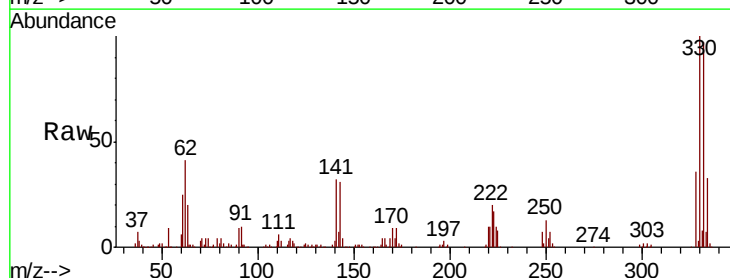
Tgt Ion:248 Resp: 22021

Ion Ratio Lower Upper

248 100

250 195.9 78.7 118.1#

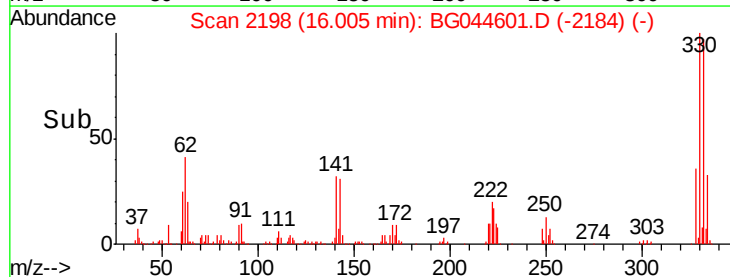
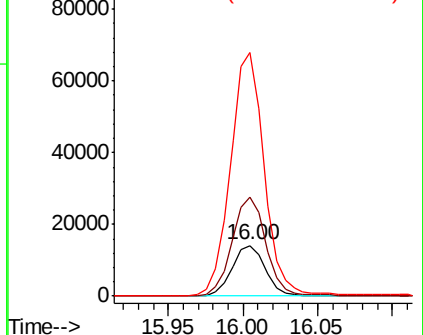
141 480.5 52.3 78.5#

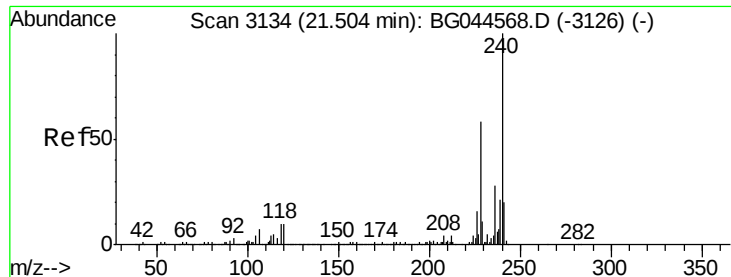


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

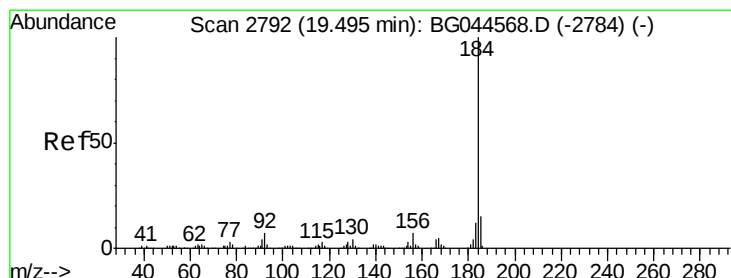
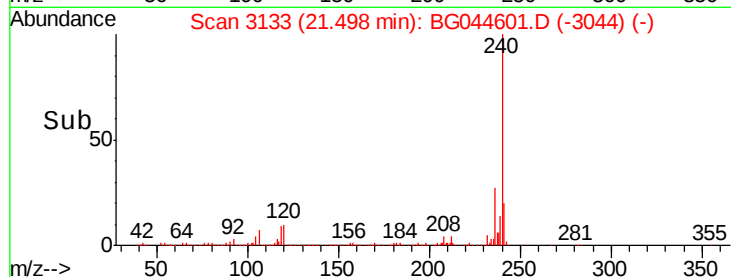
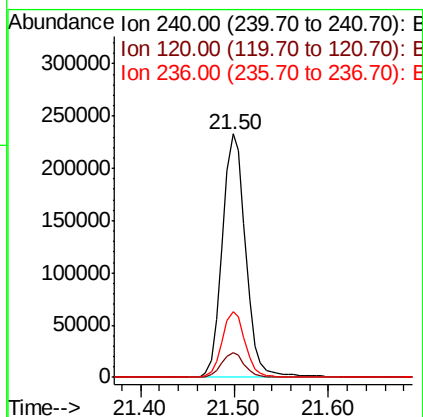
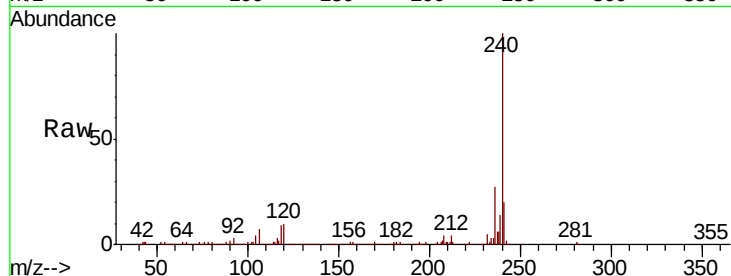




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.50 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BG044601.D
Acq: 26 Feb 2020 13:13

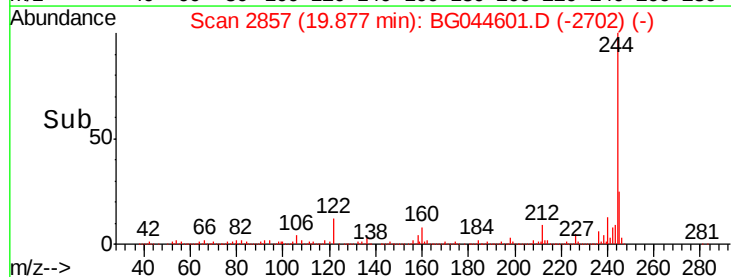
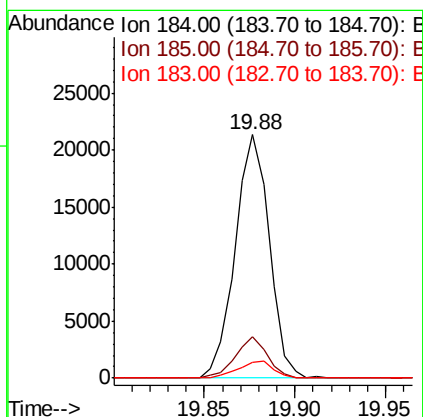
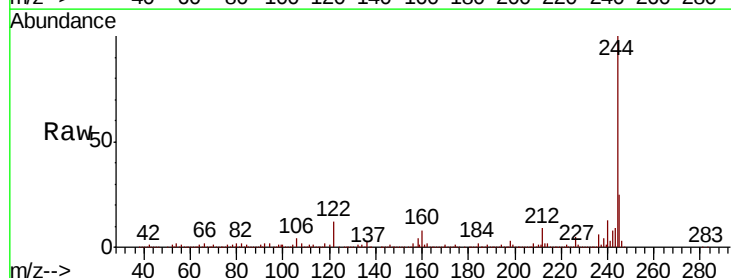
Instrument :
BNA_G
ClientSampleId :

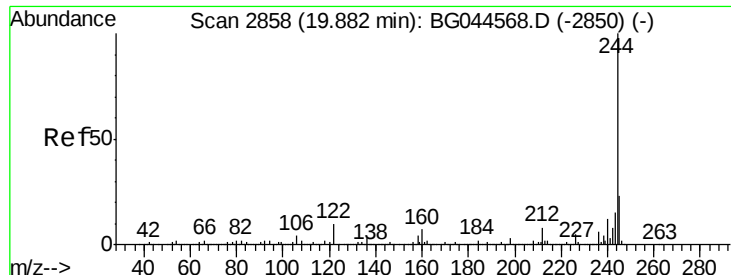
Tot Ion:240 Resp: 403821
Ion Ratio Lower Upper
240 100
120 10.1 8.3 12.5
236 26.9 22.3 33.5



#77
Benzidine
Concen: 2.017 ng
RT: 19.88 min Scan# 2857
Delta R.T. 0.38 min
Lab File: BG044601.D
Acq: 26 Feb 2020 13:13

Tgt Ion:184 Resp: 27898
Ion Ratio Lower Upper
184 100
185 17.0 12.2 18.4
183 6.3 9.9 14.9#





#79

Terphenyl-d14

Concen: 81.656 ng

RT: 19.88 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG044601.D

Acq: 26 Feb 2020 13:13

Instrument :

BNA_G

ClientSampleId :

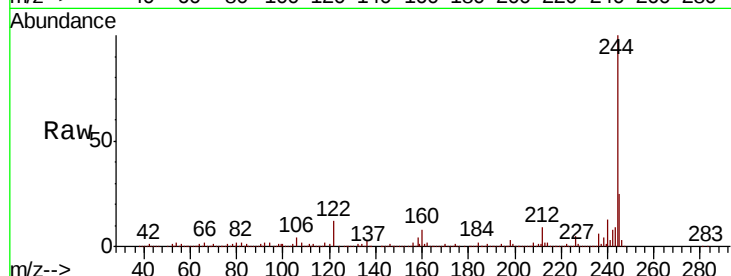
Tot Ion:244 Resp: 1741841

Ion Ratio Lower Upper

244 100

212 8.7 6.5 9.7

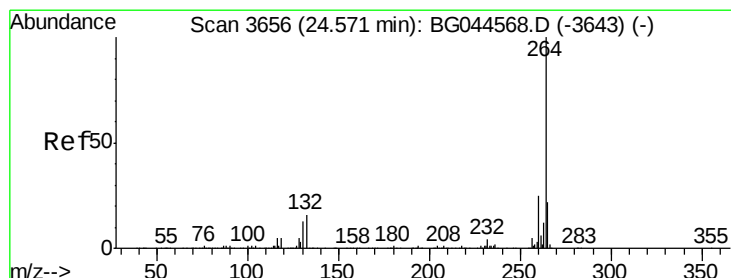
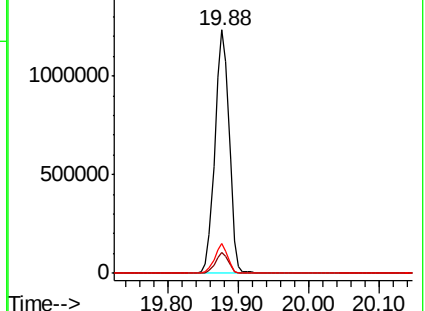
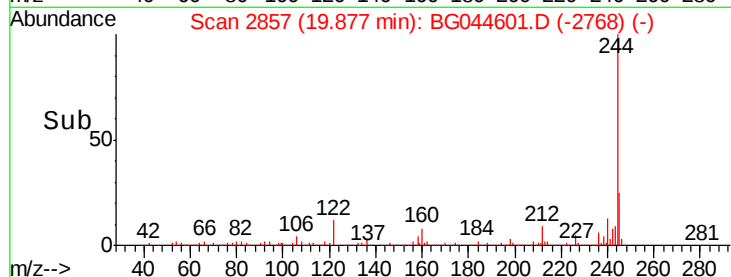
122 12.0 8.2 12.4



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

Perylene-d12

Concen: 20.000 ng

RT: 24.57 min Scan# 3655

Delta R.T. -0.01 min

Lab File: BG044601.D

Acq: 26 Feb 2020 13:13

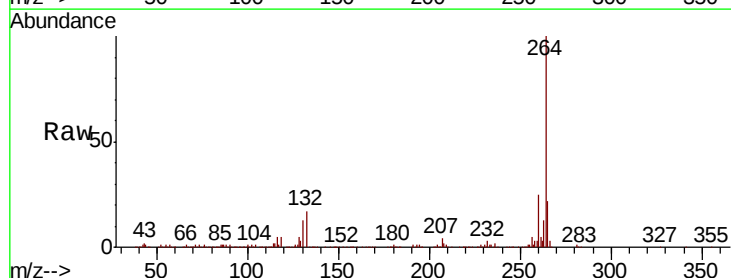
Tgt Ion:264 Resp: 416246

Ion Ratio Lower Upper

264 100

260 24.5 19.7 29.5

265 22.1 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

