

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022620\
 Data File : BG044606.D
 Acq On : 26 Feb 2020 16:41
 Operator : CG/JU
 Sample : PB127106TB
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 27 06:43:30 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

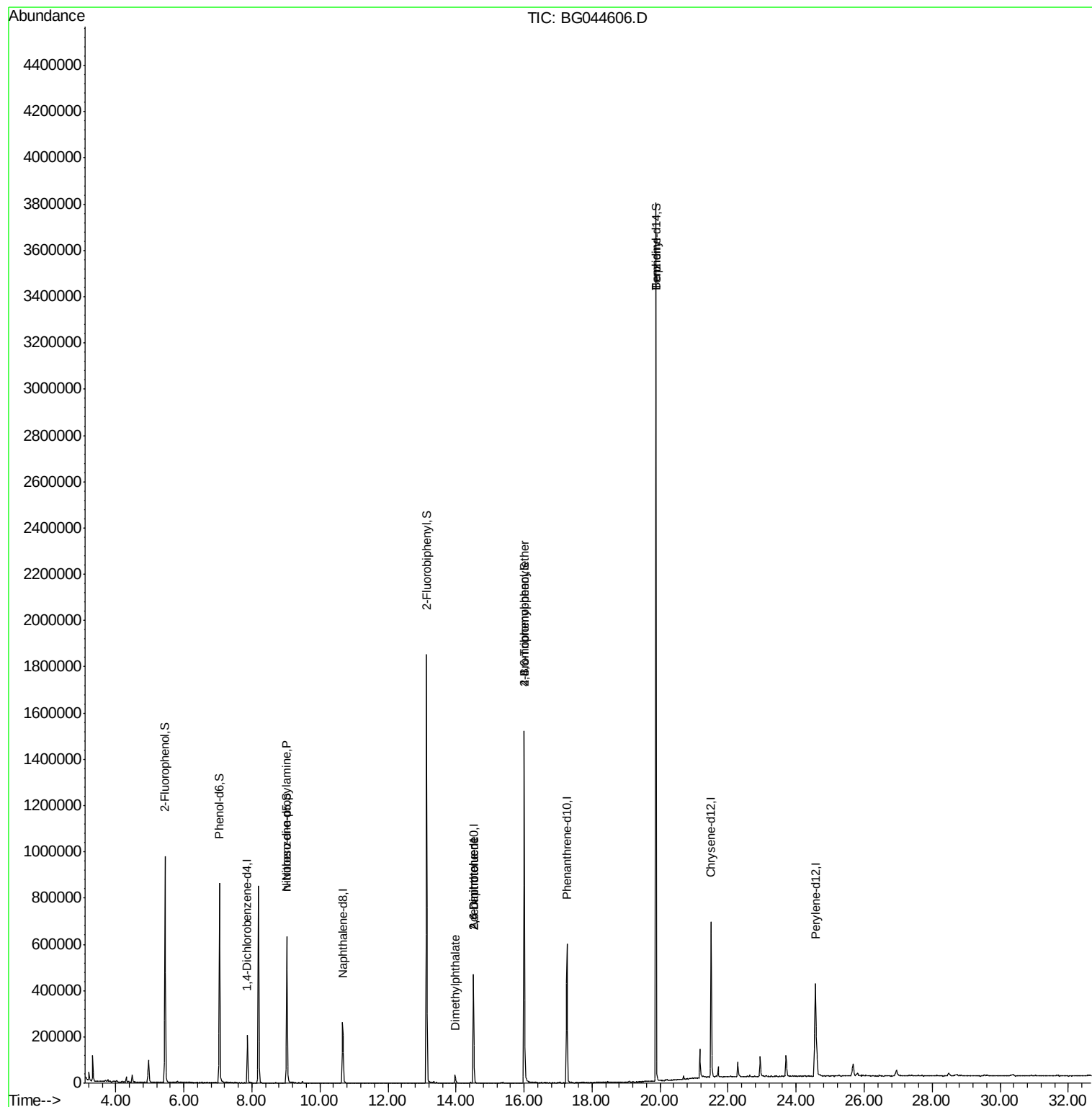
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	63116	20.00	ng	0.00
21) Naphthalene-d8	10.67	136	263761	20.00	ng	0.00
39) Acenaphthene-d10	14.51	164	175972	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	417312	20.00	ng	0.00
76) Chrysene-d12	21.50	240	410599	20.00	ng	0.00
87) Perylene-d12	24.56	264	418160	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	478863	121.73	ng	0.00
7) Phenol-d6	7.04	99	576484	107.06	ng	0.00
23) Nitrobenzene-d5	9.03	82	431182	84.22	ng	0.00
42) 2,4,6-Tribromophenol	16.00	330	329034	131.87	ng	0.00
45) 2-Fluorobiphenyl	13.14	172	1039175	84.56	ng	0.00
79) Terphenyl-d14	19.88	244	1812395	83.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.02	70	54922	15.868	ng	Qvalue
50) Dimethylphthalate	13.98	163	30641	2.157	ng	# 79
51) 2,6-Dinitrotoluene	14.51	165	22744	7.261	ng	# 32
57) 2,4-Dinitrotoluene	14.51	165	22744	5.164	ng	# 31
67) 4-Bromophenyl-phenylether	16.00	248	21958	4.239	ng	# 1
77) Benzidine	19.88	184	28438	2.022	ng	# 93

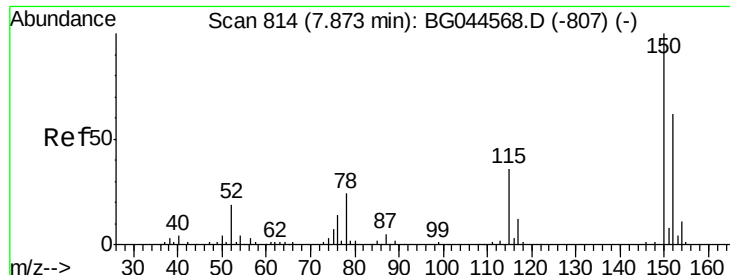
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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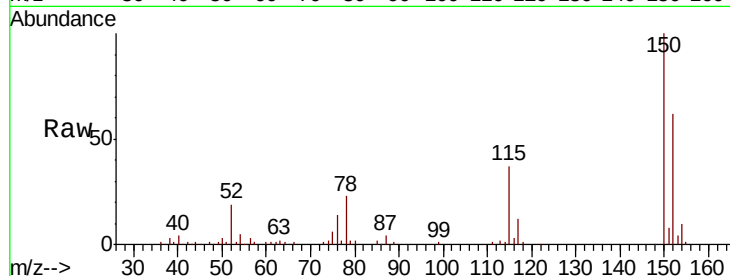


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG044606.D
Acq: 26 Feb 2020 16:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	128.9	193.3
115	59.0	47.0	70.4

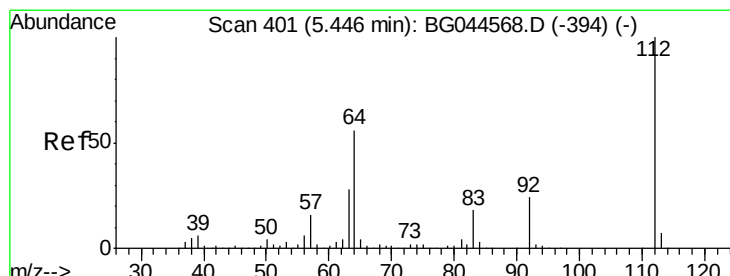
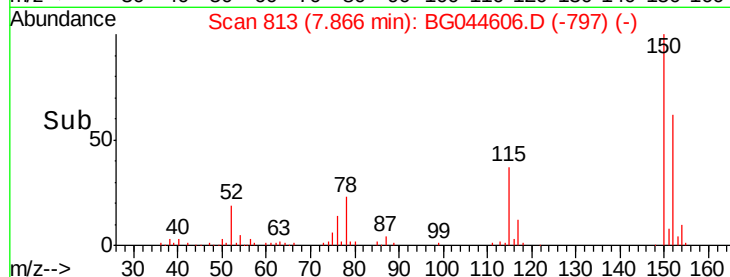
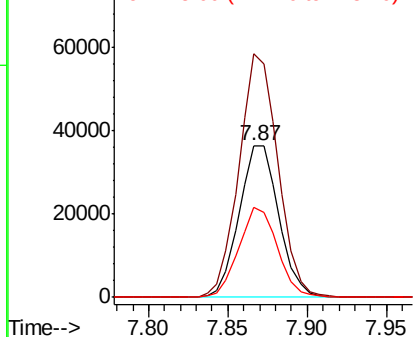


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

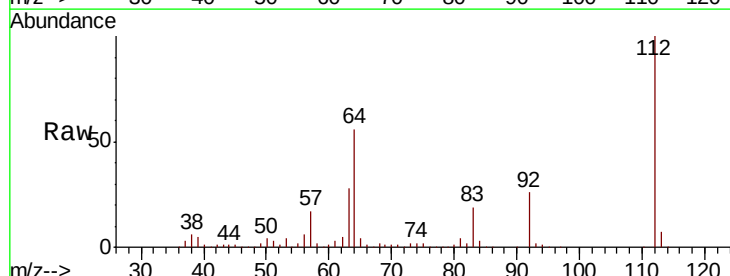
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 121.732 ng
RT: 5.45 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG044606.D
Acq: 26 Feb 2020 16:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	44.8	67.2
63	28.5	22.3	33.5

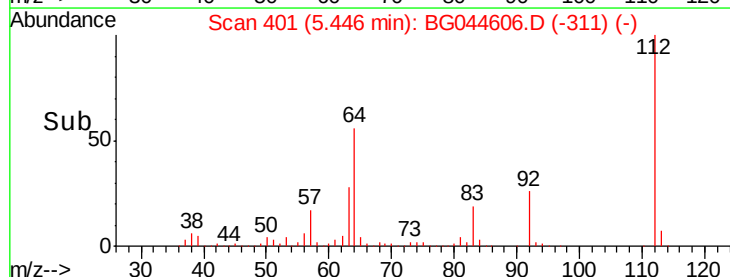
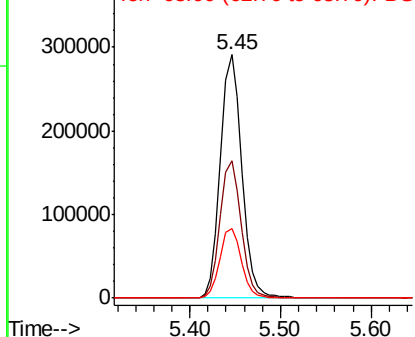


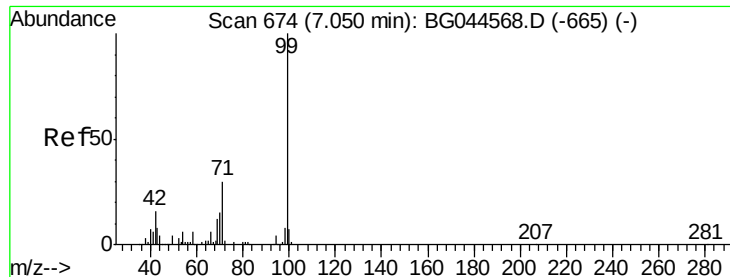
Abundance

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: 107.062 ng

RT: 7.04 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG044606.D

Acq: 26 Feb 2020 16:41

Instrument :

BNA_G

ClientSampleId :

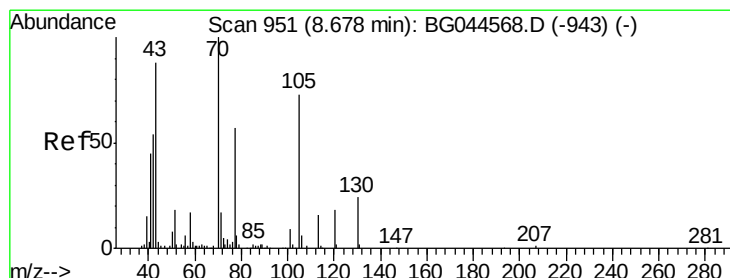
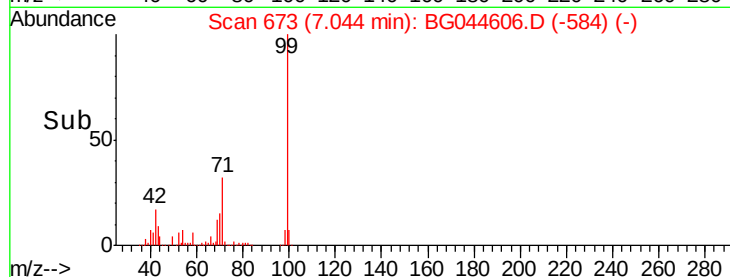
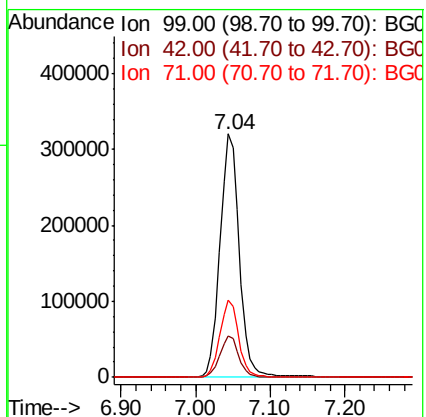
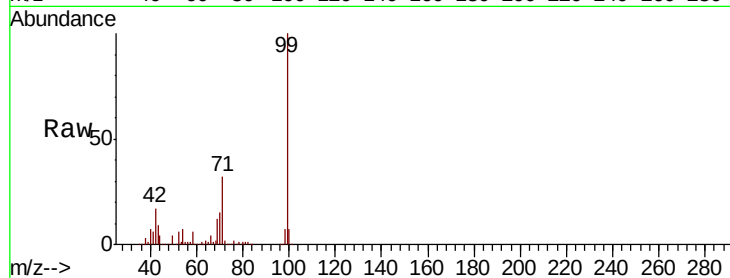
Tot Ion: 99 Resp: 576484

Ion Ratio Lower Upper

99 100

42 16.8 12.8 19.2

71 31.6 24.4 36.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.868 ng

RT: 9.02 min Scan# 1010

Delta R.T. 0.35 min

Lab File: BG044606.D

Acq: 26 Feb 2020 16:41

Tgt Ion: 70 Resp: 54922

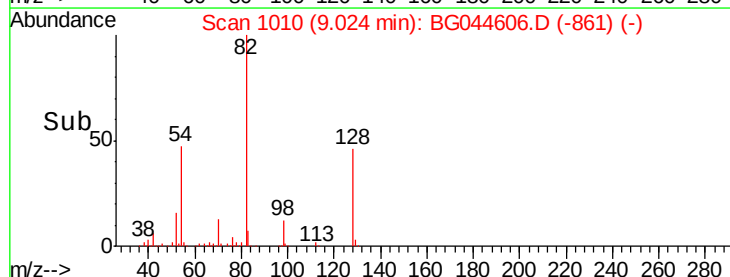
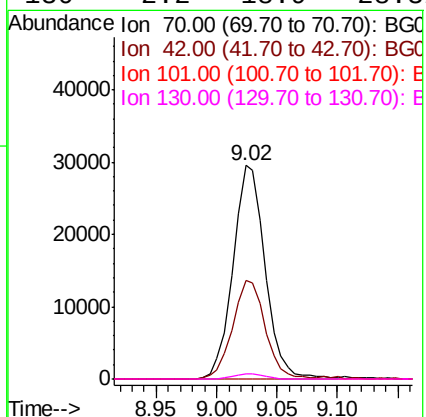
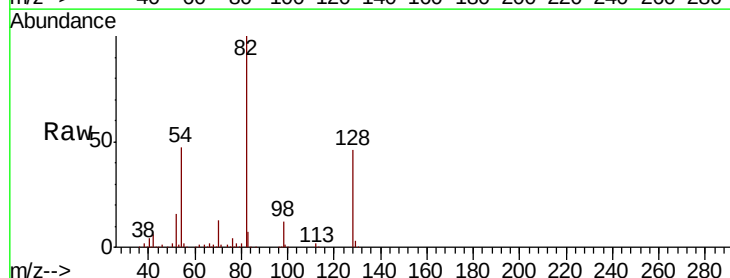
Ion Ratio Lower Upper

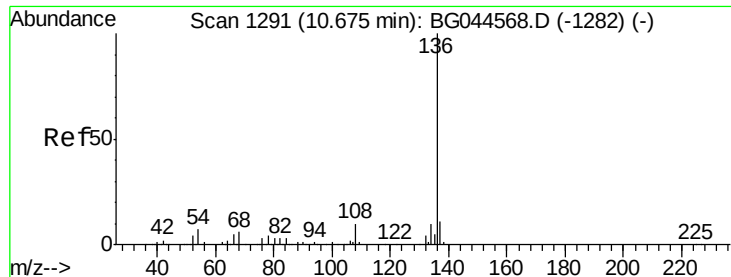
70 100

42 46.2 43.4 65.0

101 0.0 7.5 11.3#

130 2.2 18.9 28.3#

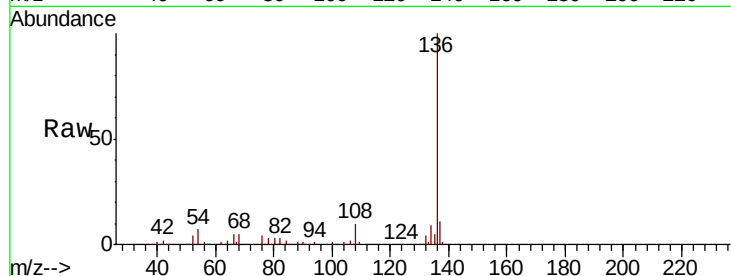




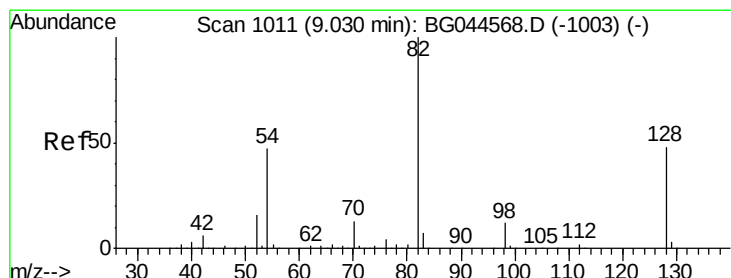
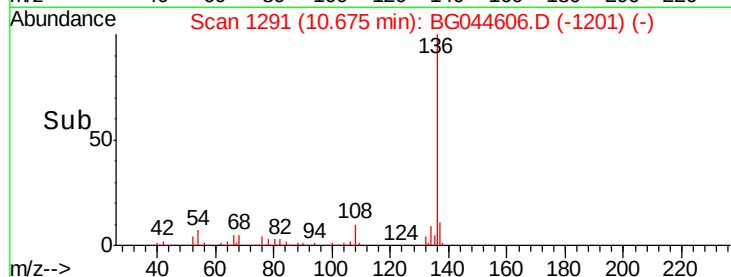
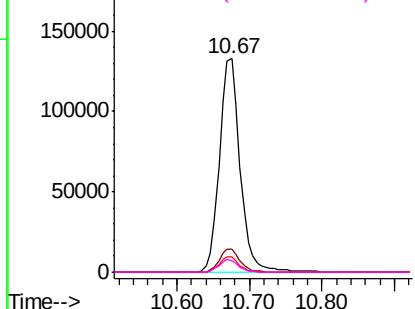
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.67 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BG044606.D
Acq: 26 Feb 2020 16:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	263761
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	7.1	5.7	8.5
68	5.4	4.5	6.7

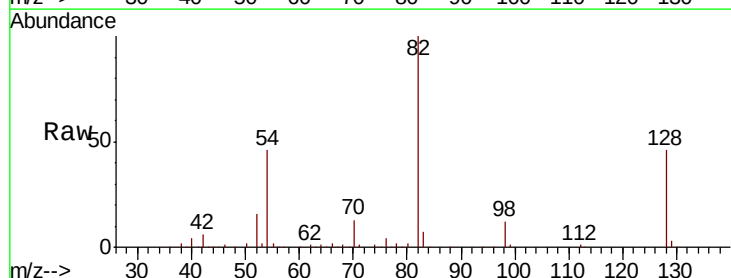


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

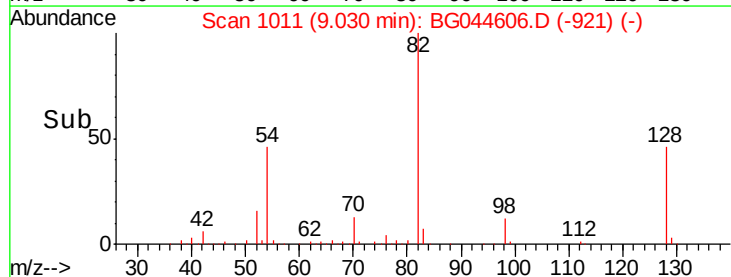
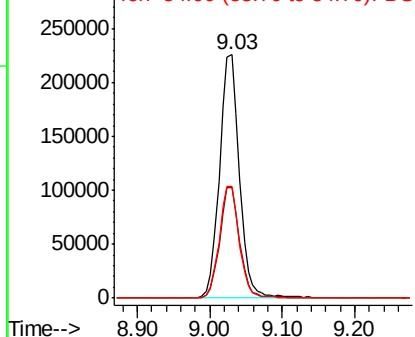


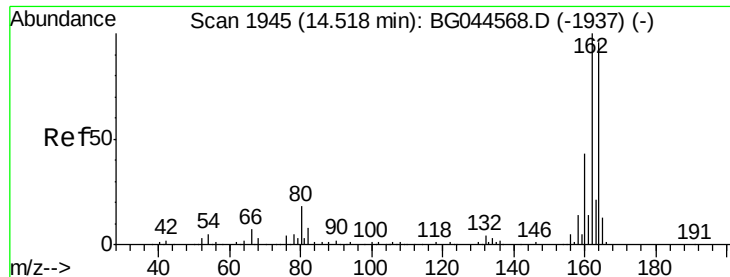
#23
Nitrobenzene-d5
Concen: 84.219 ng
RT: 9.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BG044606.D
Acq: 26 Feb 2020 16:41

Tgt Ion:	82	Resp:	431182
Ion	Ratio	Lower	Upper
82	100		
128	45.6	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: 14.51 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG044606.D

Acq: 26 Feb 2020 16:41

Instrument :

BNA_G

ClientSampled :

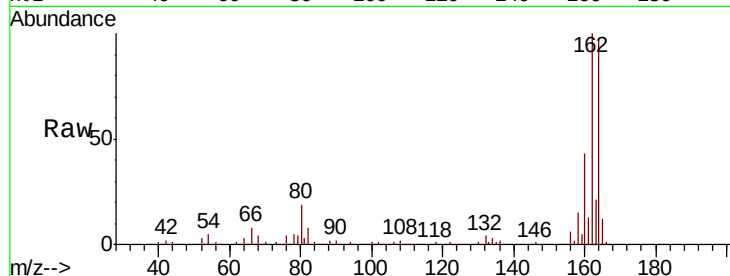
Tot Ion:164 Resp: 175972

Ion Ratio Lower Upper

164 100

162 102.8 83.6 125.4

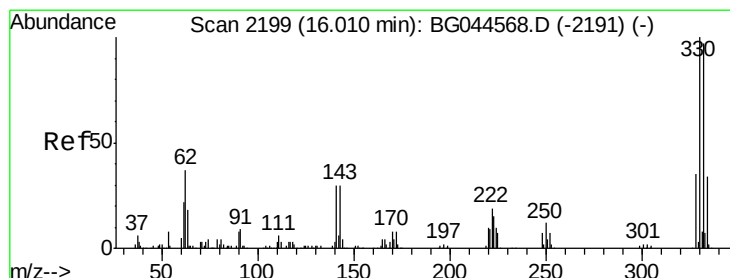
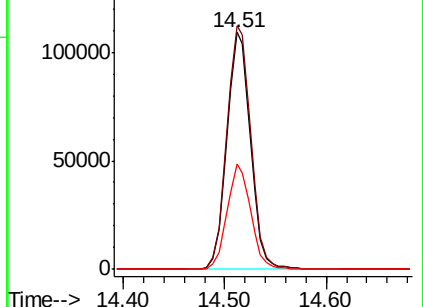
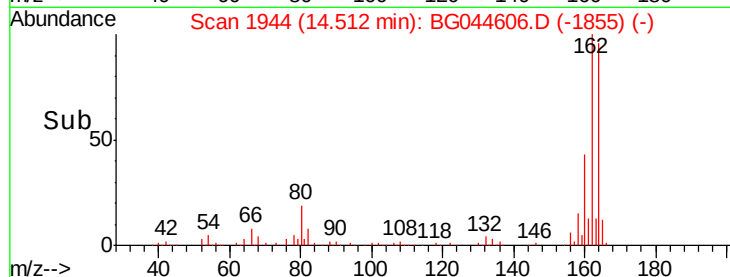
160 44.6 36.2 54.4



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: 131.870 ng

RT: 16.00 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG044606.D

Acq: 26 Feb 2020 16:41

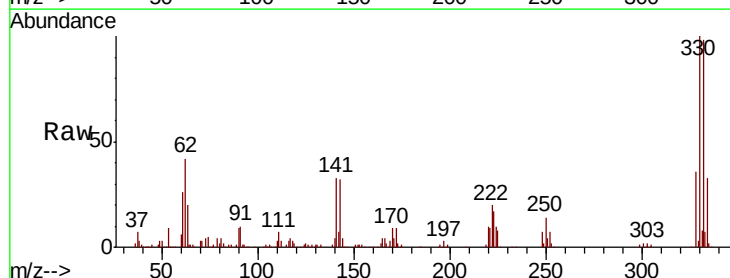
Tgt Ion:330 Resp: 329034

Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.0

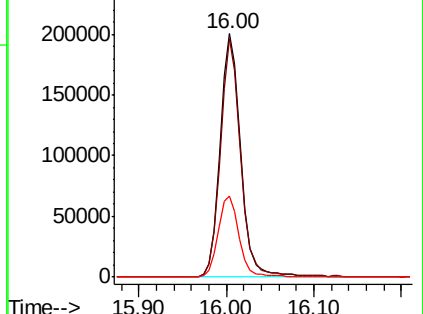
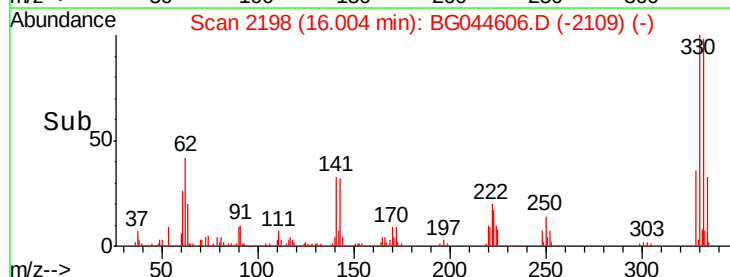
141 33.6 26.1 39.1

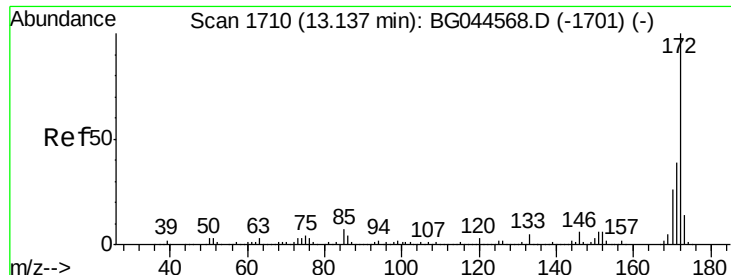


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

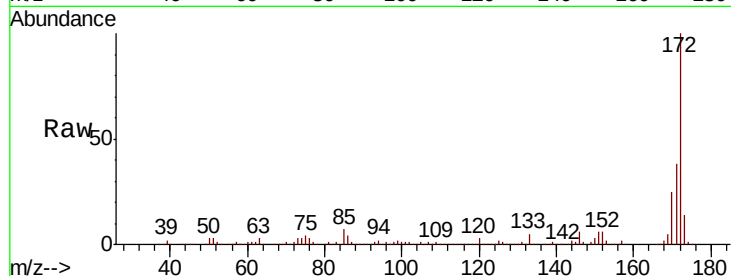




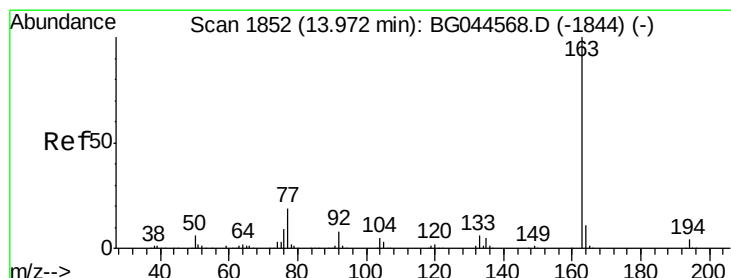
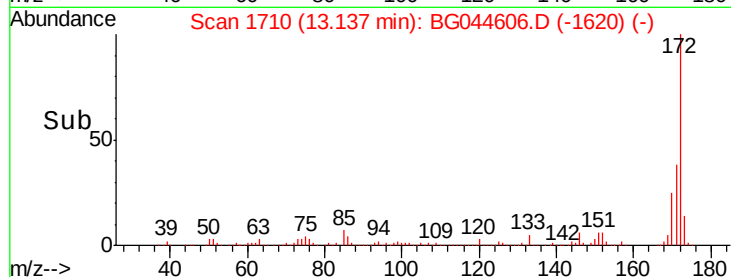
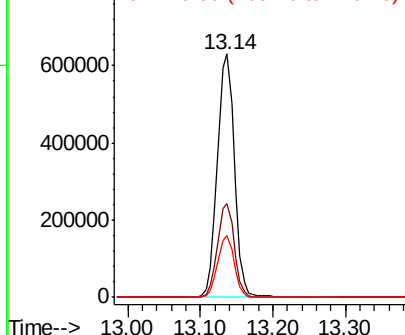
#45
2-Fluorobiphenyl
Concen: 84.564 ng
RT: 13.14 min Scan# 1710
Delta R.T. -0.00 min
Lab File: BG044606.D
Acq: 26 Feb 2020 16:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1039175
Ion Ratio Lower Upper
172 100
171 38.4 31.3 46.9
170 25.3 21.0 31.4

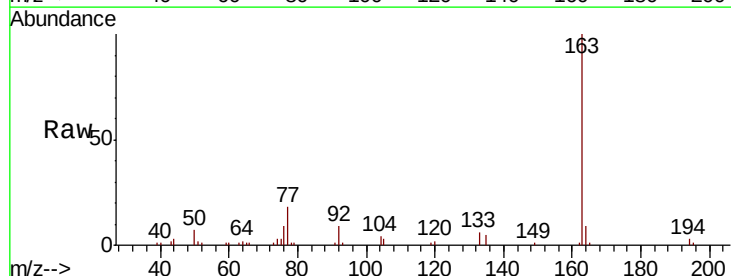


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

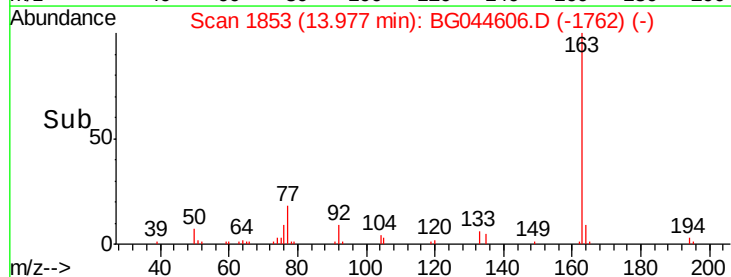
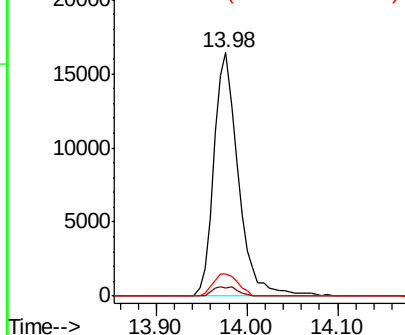


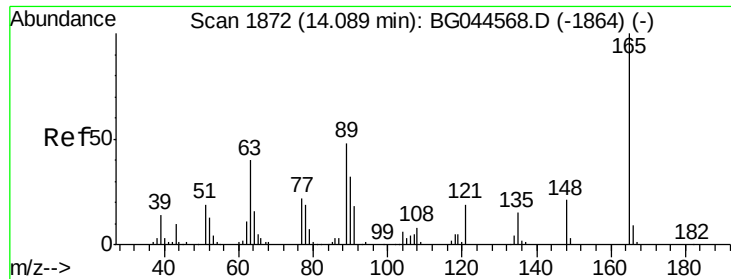
#50
Dimethylphthalate
Concen: 2.157 ng
RT: 13.98 min Scan# 1853
Delta R.T. 0.01 min
Lab File: BG044606.D
Acq: 26 Feb 2020 16:41

Tgt Ion:163 Resp: 30641
Ion Ratio Lower Upper
163 100
194 3.4 3.4 5.0
164 9.0 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

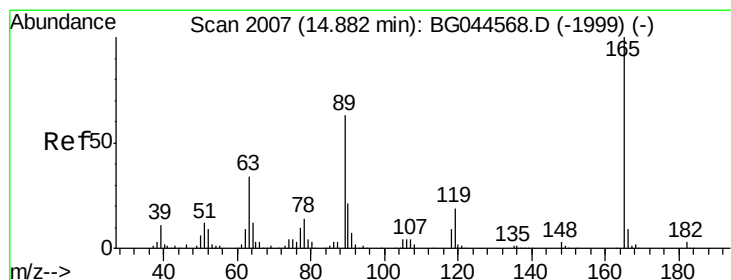
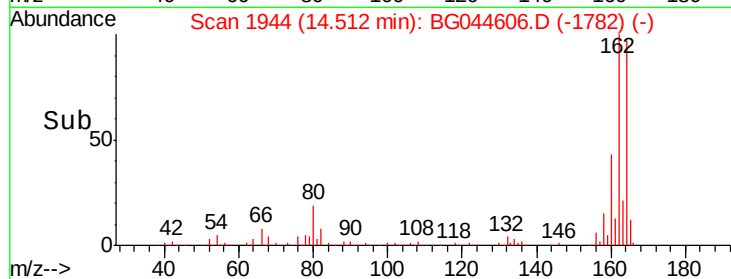
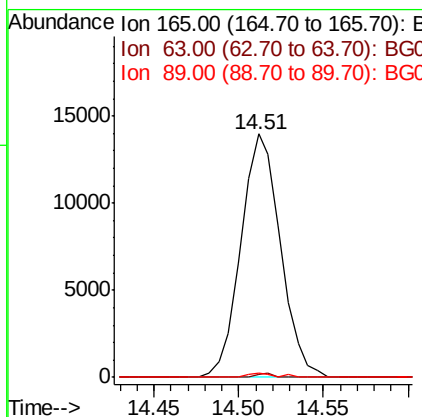
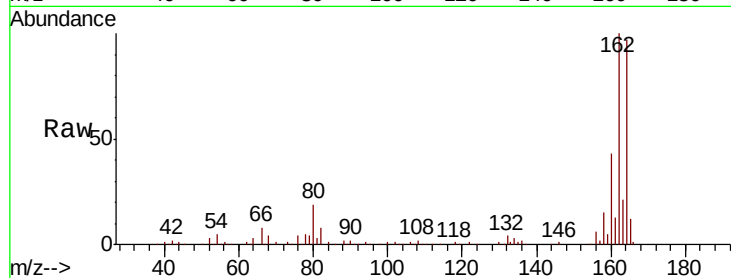




#51
 2,6-Dinitrotoluene
 Concen: 7.261 ng
 RT: 14.51 min Scan# 1944
 Delta R.T. 0.42 min
 Lab File: BG044606.D
 Acq: 26 Feb 2020 16:41

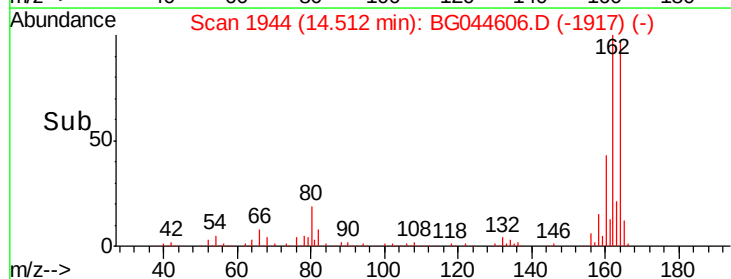
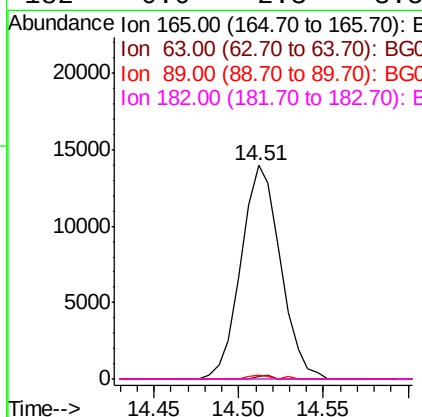
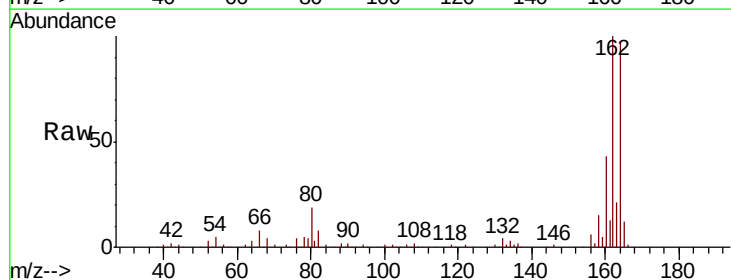
Instrument :
 BNA_G
 ClientSampleId :

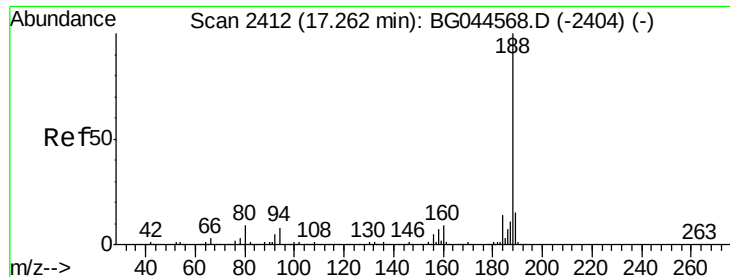
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	35.8	53.6#
89	1.5	38.7	58.1#



#57
 2,4-Dinitrotoluene
 Concen: 5.164 ng
 RT: 14.51 min Scan# 1944
 Delta R.T. -0.37 min
 Lab File: BG044606.D
 Acq: 26 Feb 2020 16:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.5	41.3#
89	1.5	50.0	75.0#
182	0.0	2.3	3.5#

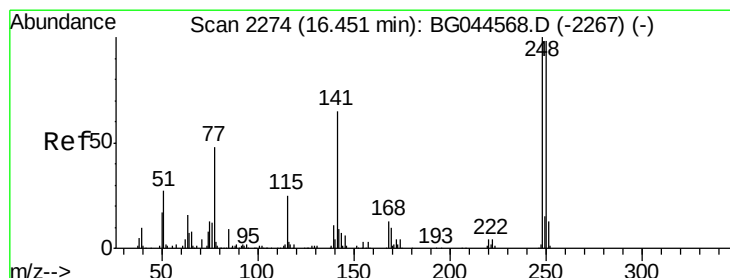
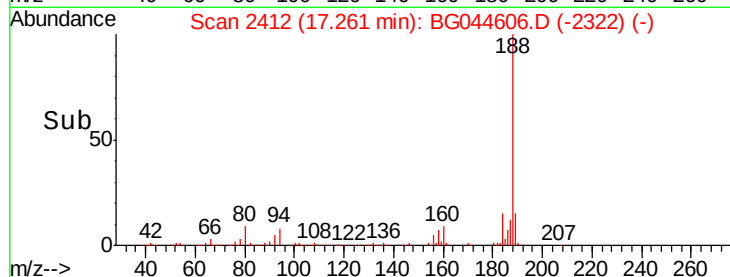
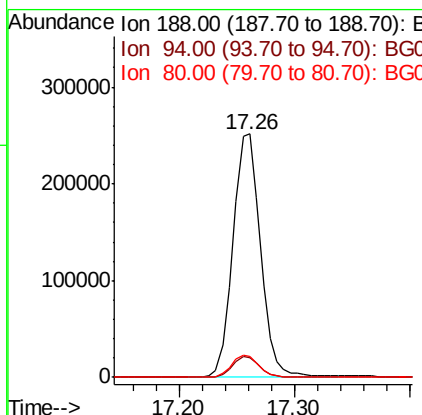
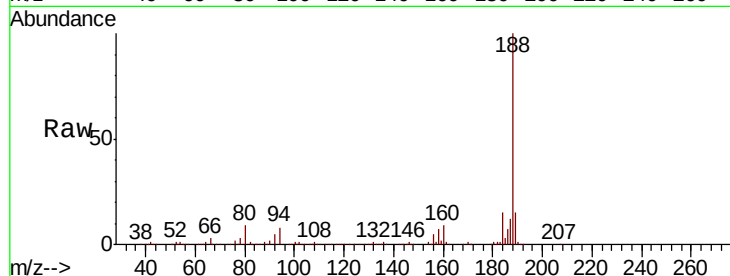




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.26 min Scan# 2412
Delta R.T. -0.00 min
Lab File: BG044606.D
Acq: 26 Feb 2020 16:41

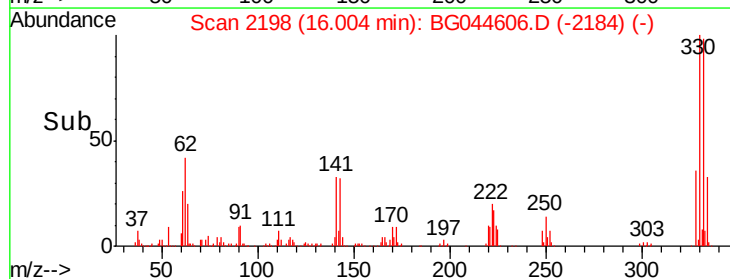
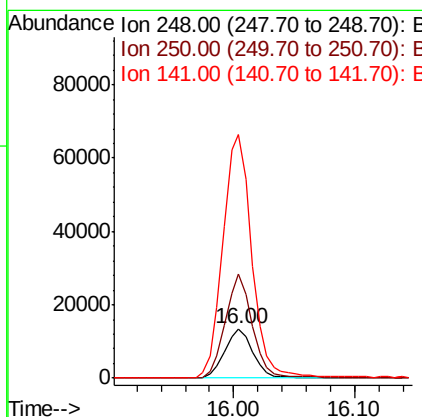
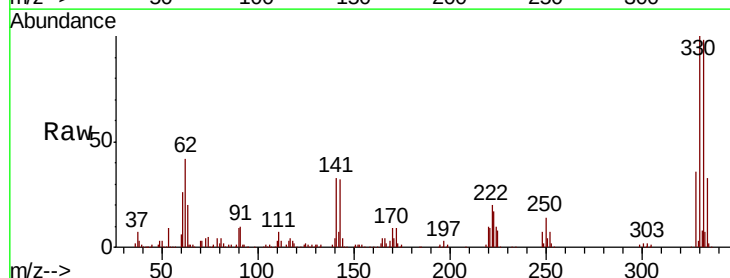
Instrument :
BNA_G
ClientSampleId :

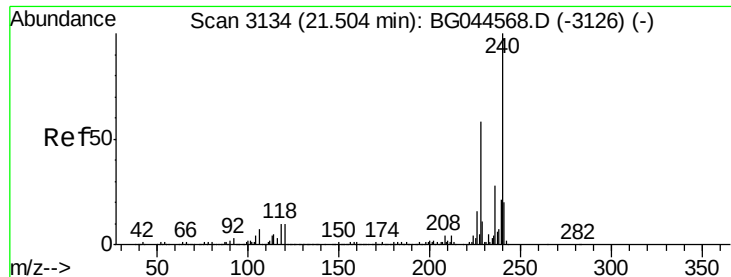
Tot Ion:188 Resp: 417312
Ion Ratio Lower Upper
188 100
94 8.3 6.7 10.1
80 8.8 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 4.239 ng
RT: 16.00 min Scan# 2198
Delta R.T. -0.45 min
Lab File: BG044606.D
Acq: 26 Feb 2020 16:41

Tgt Ion:248 Resp: 21958
Ion Ratio Lower Upper
248 100
250 210.8 78.7 118.1#
141 494.5 52.3 78.5#

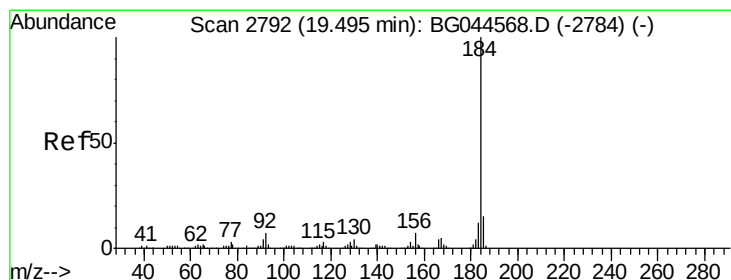
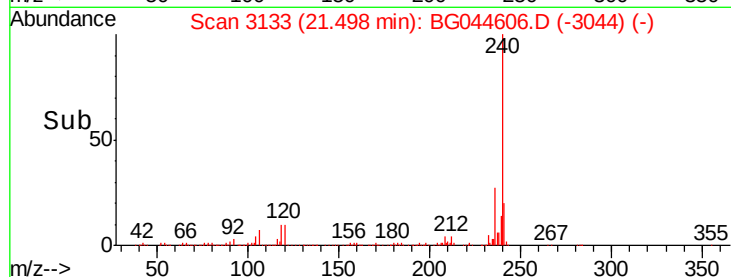
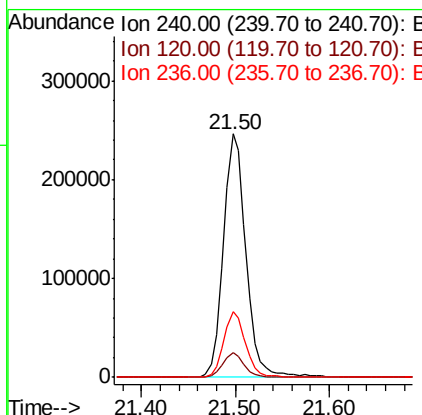
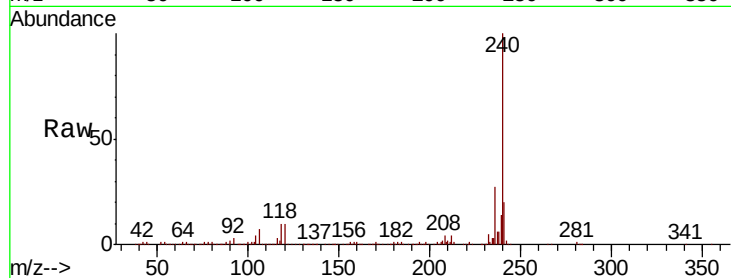




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.50 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BG044606.D
Acq: 26 Feb 2020 16:41

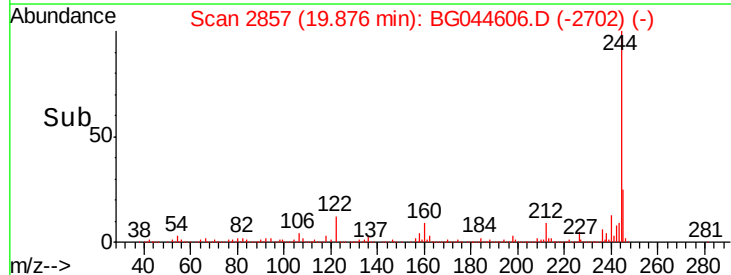
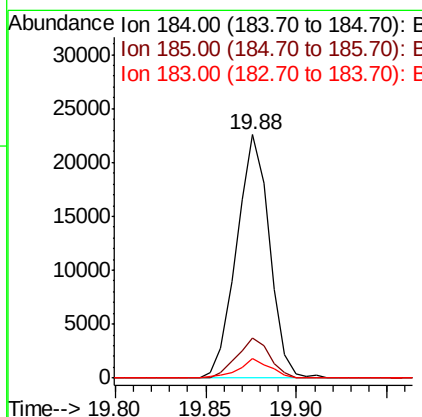
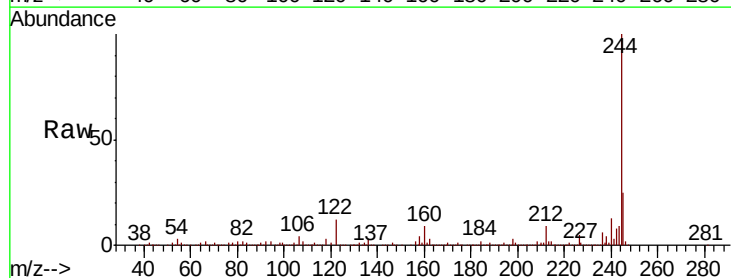
Instrument :
BNA_G
ClientSampleId :

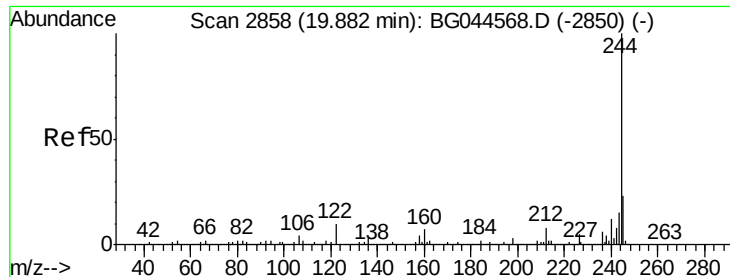
Tot Ion:240 Resp: 410599
Ion Ratio Lower Upper
240 100
120 10.4 8.3 12.5
236 26.7 22.3 33.5



#77
Benzidine
Concen: 2.022 ng
RT: 19.88 min Scan# 2857
Delta R.T. 0.38 min
Lab File: BG044606.D
Acq: 26 Feb 2020 16:41

Tgt Ion:184 Resp: 28438
Ion Ratio Lower Upper
184 100
185 16.7 12.2 18.4
183 7.8 9.9 14.9#





#79

Terphenyl-d14

Concen: 83.560 ng

RT: 19.88 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG044606.D

Acq: 26 Feb 2020 16:41

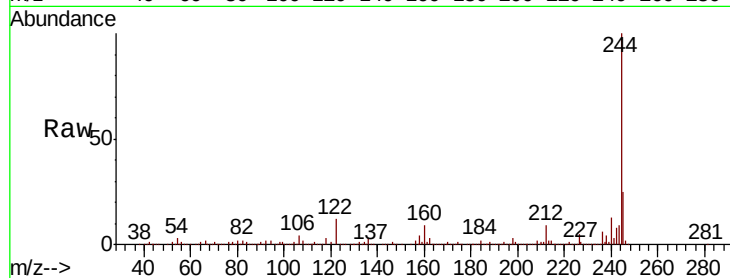
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1812395

Ion	Ratio	Lower	Upper
244	100		
212	9.0	6.5	9.7
122	12.1	8.2	12.4

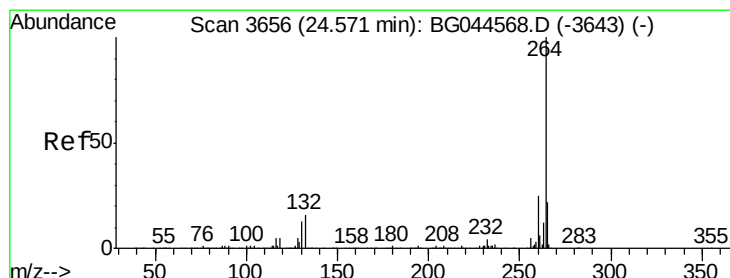
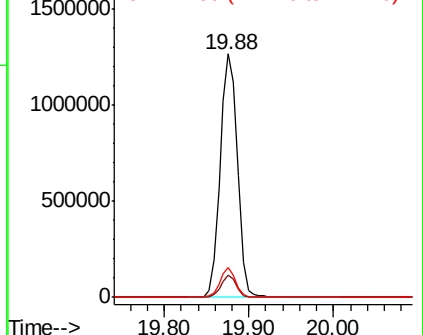
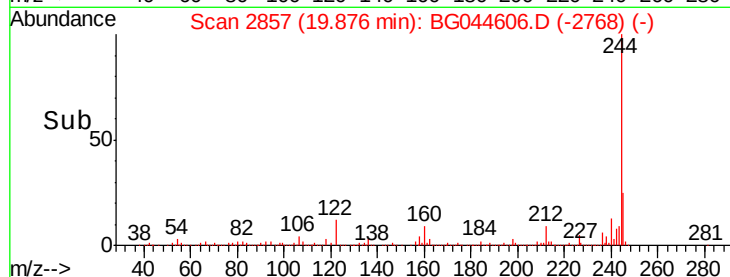


Abundance

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: 24.56 min Scan# 3655

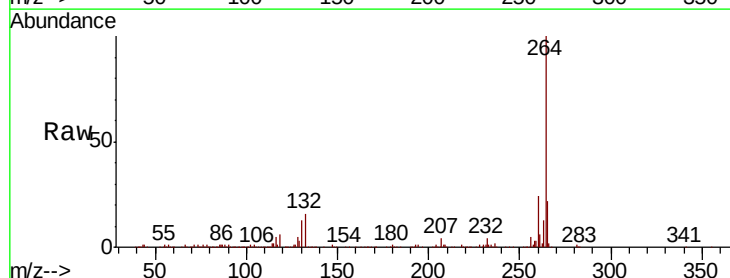
Delta R.T. -0.01 min

Lab File: BG044606.D

Acq: 26 Feb 2020 16:41

Tgt Ion:264 Resp: 418160

Ion	Ratio	Lower	Upper
264	100		
260	24.1	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

