

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
 Data File : BG044366.D
 Acq On : 10 Feb 2020 21:18
 Operator : CG/JU
 Sample : L1470-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 11 02:53:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

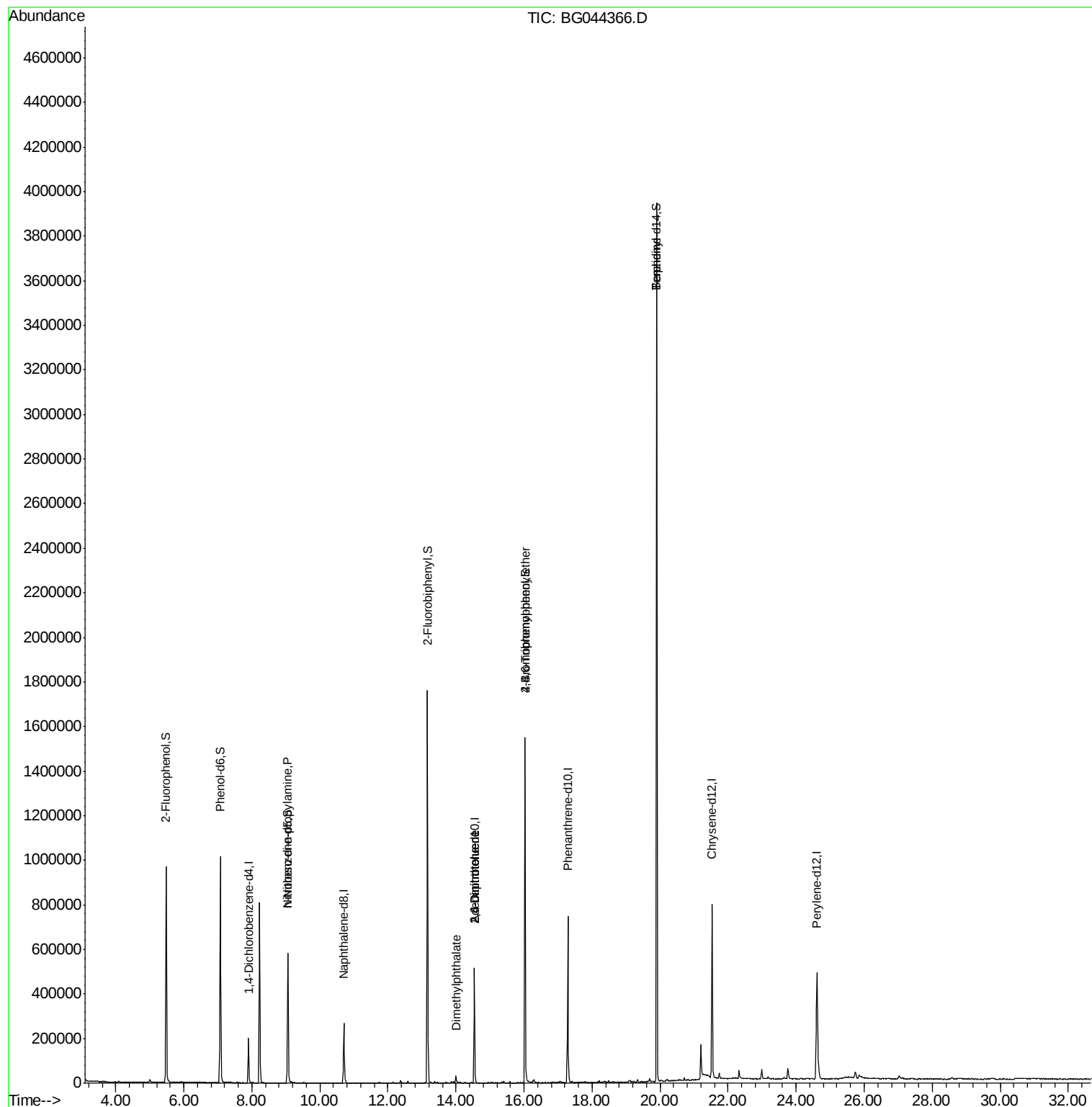
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	60237	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	260504	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	183981	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	470815	20.00	ng	0.00
76) Chrysene-d12	21.53	240	467120	20.00	ng	0.00
87) Perylene-d12	24.61	264	485694	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	489397	143.39	ng	0.00
7) Phenol-d6	7.07	99	661145	144.25	ng	0.00
23) Nitrobenzene-d5	9.06	82	388880	84.28	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	309362	143.23	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	972047	88.47	ng	0.00
79) Terphenyl-d14	19.90	244	1840862	81.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.06	70	49606	16.240	ng	Qvalue # 78
50) Dimethylphthalate	14.00	163	28854	2.182	ng	96
51) 2,6-Dinitrotoluene	14.54	165	24448	8.291	ng	# 29
57) 2,4-Dinitrotoluene	14.54	165	24448	5.915	ng	# 27
67) 4-Bromophenyl-phenylether	16.03	248	21474	4.186	ng	# 1
77) Benzidine	19.90	184	30529	2.356	ng	# 91

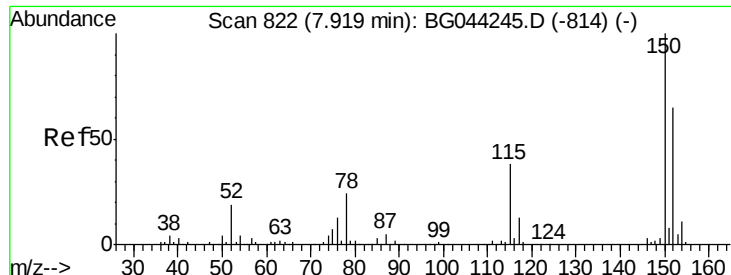
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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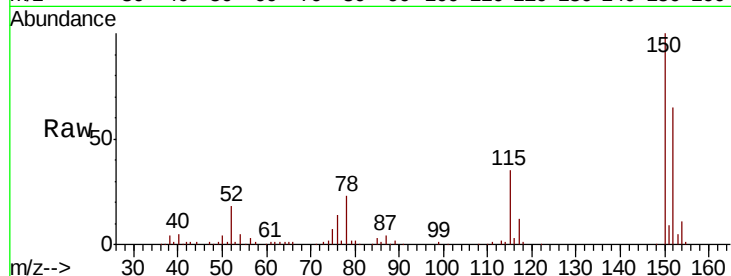


#1

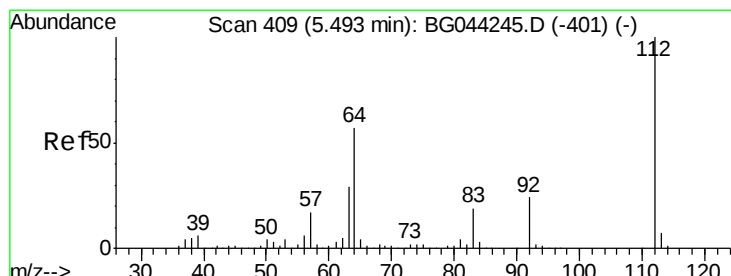
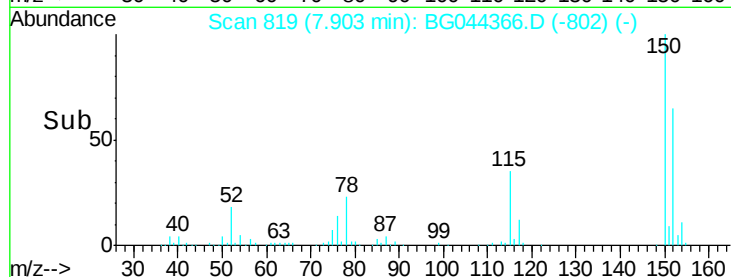
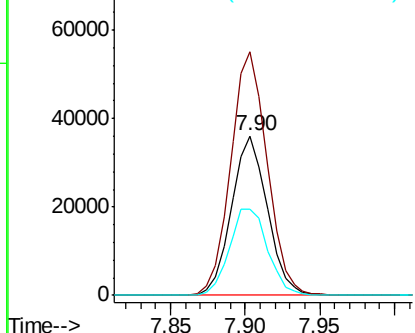
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG044366.D
Acq: 10 Feb 2020 21:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 60237
Ion Ratio Lower Upper
152 100
150 152.9 122.6 183.8
115 54.0 46.0 69.0



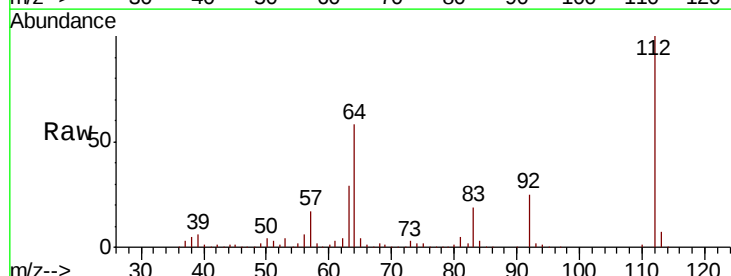
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



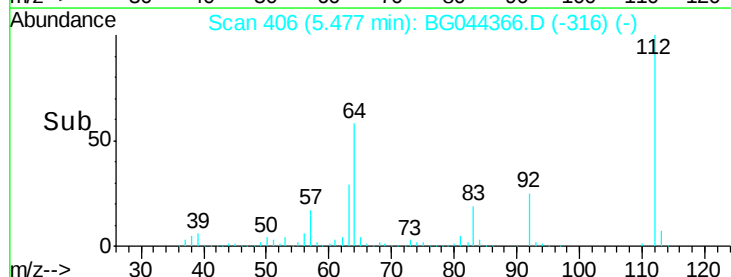
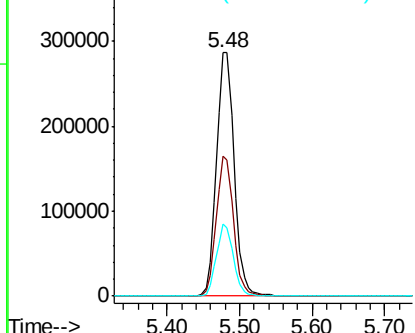
#5

2-Fluorophenol
Concen: 143.385 ng
RT: 5.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: BG044366.D
Acq: 10 Feb 2020 21:18

Tgt Ion:112 Resp: 489397
Ion Ratio Lower Upper
112 100
64 57.6 45.4 68.2
63 29.4 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: 144.249 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG044366.D

Acq: 10 Feb 2020 21:18

Instrument :

BNA_G

ClientSampleId :

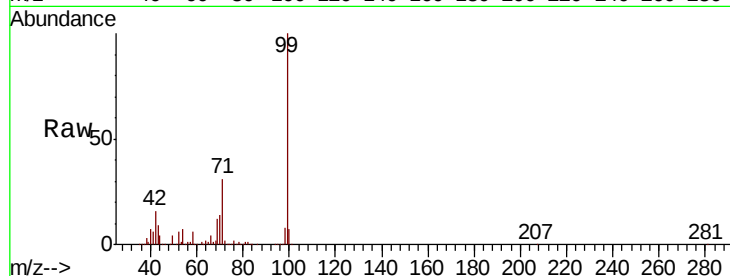
Tot Ion: 99 Resp: 661145

Ion Ratio Lower Upper

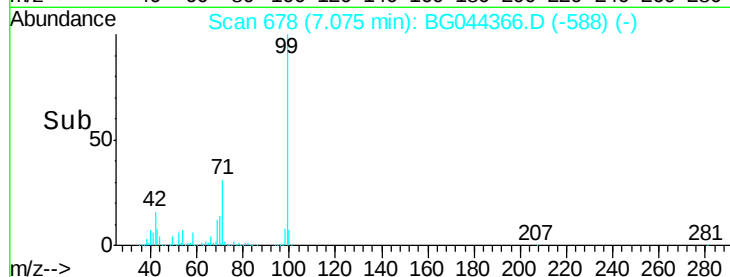
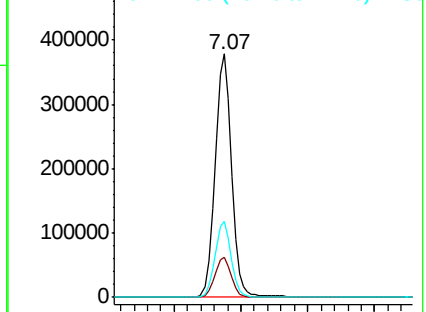
99 100

42 16.4 13.8 20.6

71 31.3 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: 16.240 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044366.D

Acq: 10 Feb 2020 21:18

Tgt Ion: 70 Resp: 49606

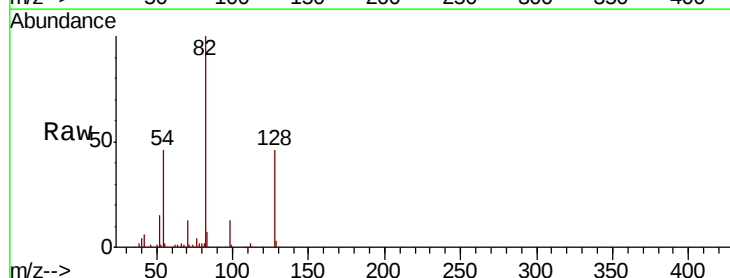
Ion Ratio Lower Upper

70 100

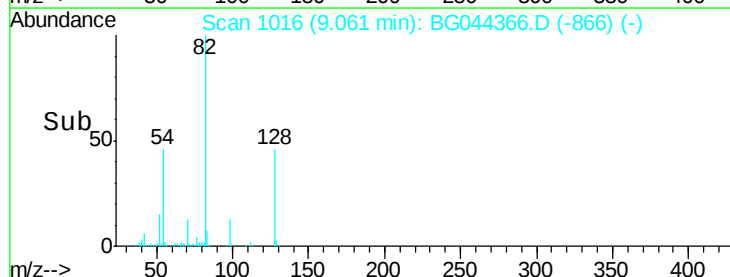
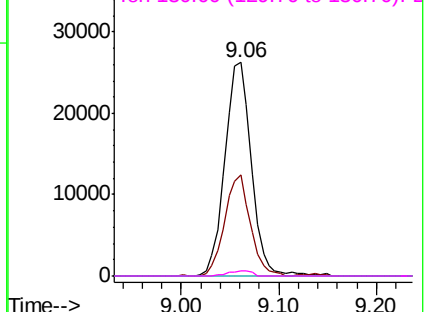
42 47.3 46.2 69.2

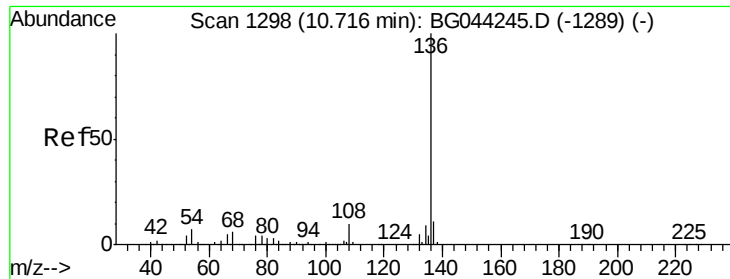
101 0.0 8.4 12.6#

130 2.5 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

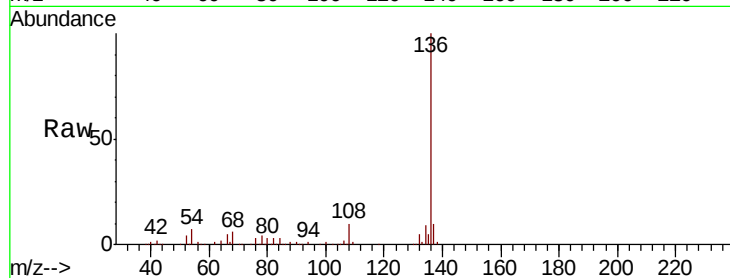




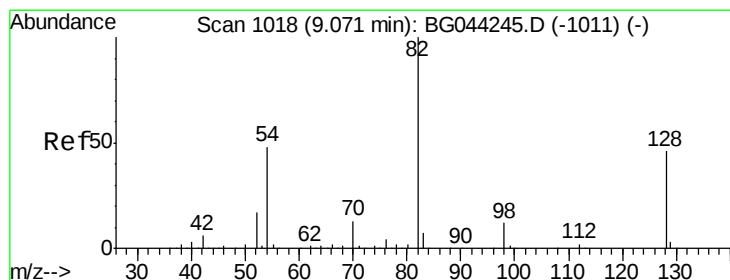
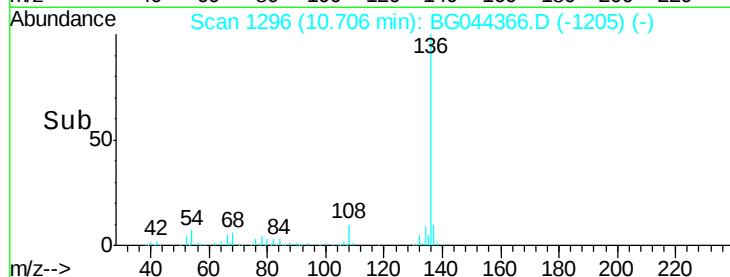
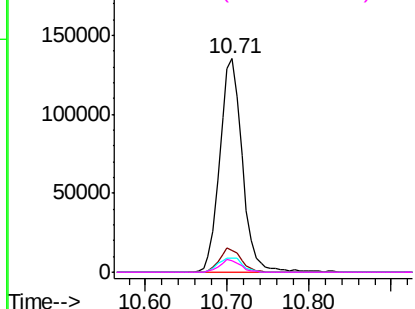
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.71 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BG044366.D
Acq: 10 Feb 2020 21:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	260504
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.8 13.2
54	6.7	5.8 8.8
68	5.6	4.6 6.8

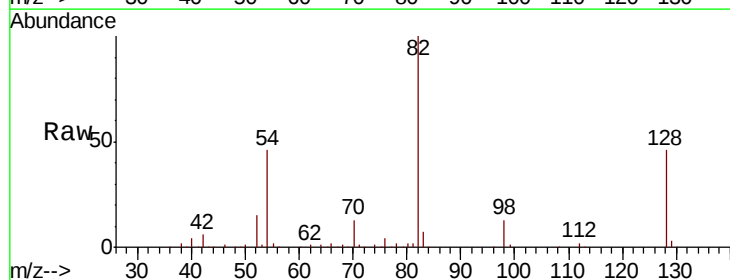


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

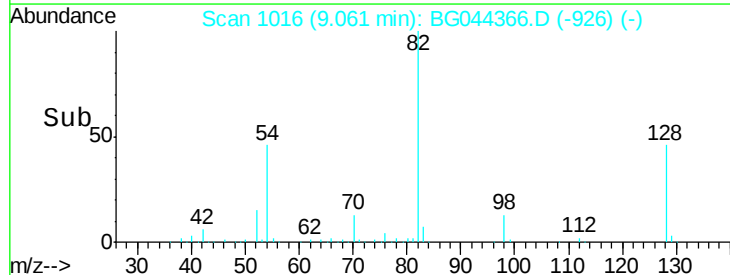
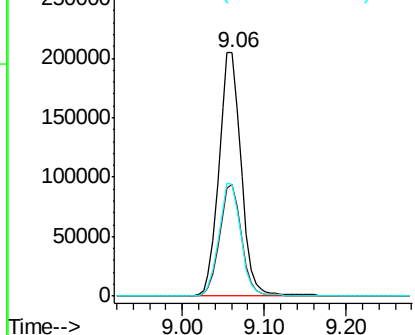


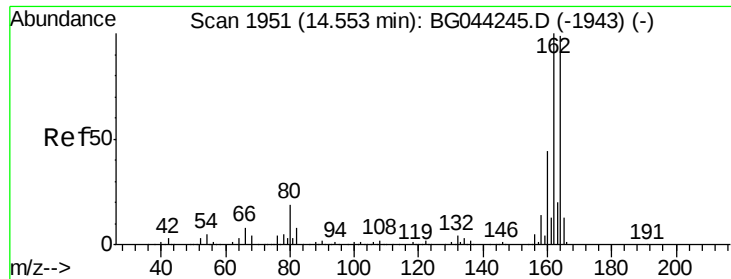
#23
Nitrobenzene-d5
Concen: 84.278 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG044366.D
Acq: 10 Feb 2020 21:18

Tgt Ion: 82	Resp:	388880
Ion	Ratio	Lower Upper
82	100	
128	46.0	36.5 54.7
54	46.1	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: 14.54 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG044366.D

Acq: 10 Feb 2020 21:18

Instrument :

BNA_G

ClientSampleId :

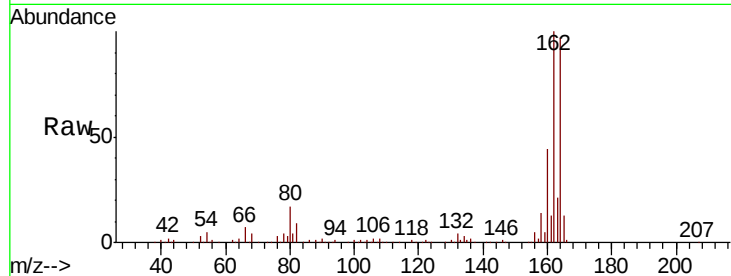
Tot Ion:164 Resp: 183981

Ion Ratio Lower Upper

164 100

162 103.6 80.7 121.1

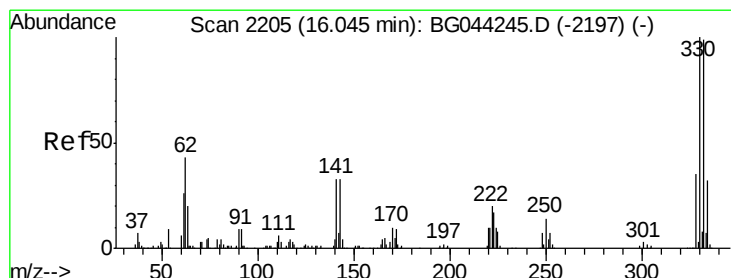
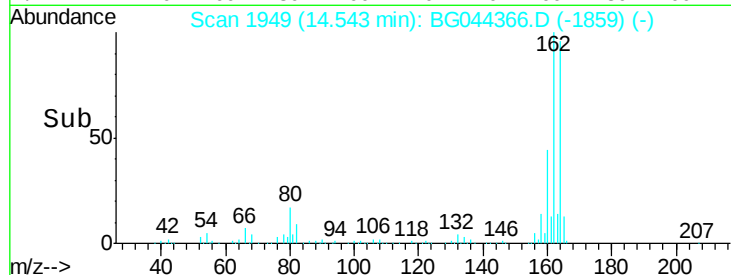
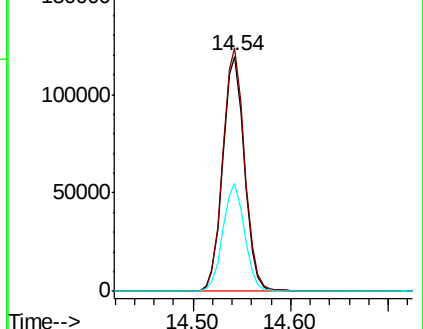
160 45.7 35.3 52.9



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: 143.234 ng

RT: 16.03 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG044366.D

Acq: 10 Feb 2020 21:18

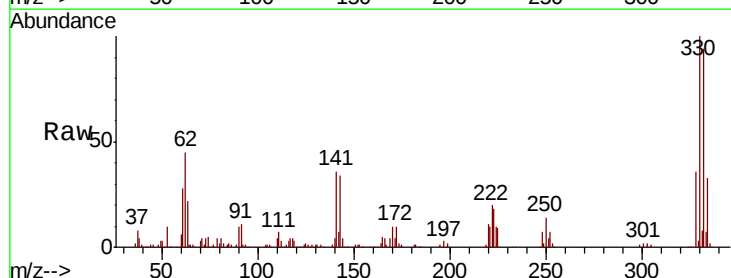
Tgt Ion:330 Resp: 309362

Ion Ratio Lower Upper

330 100

332 95.2 77.2 115.8

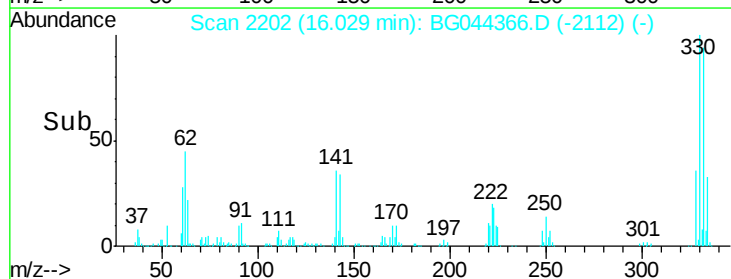
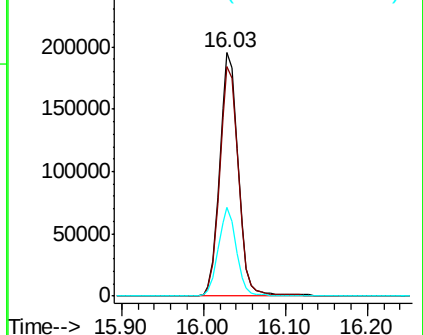
141 35.5 28.3 42.5



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

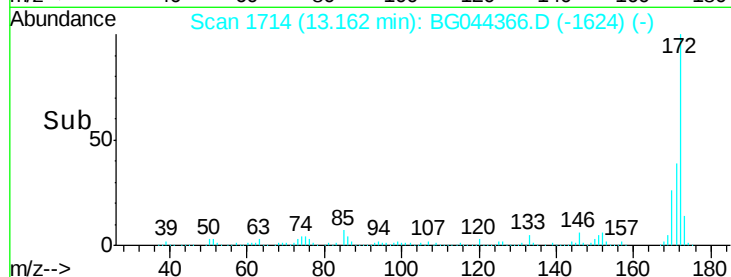
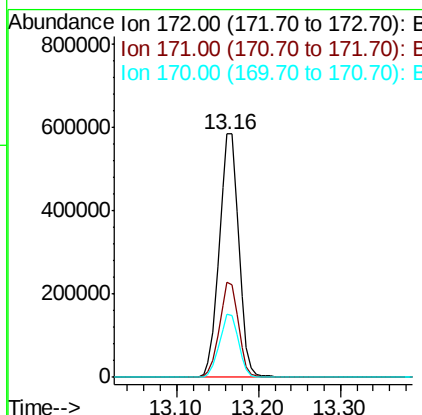
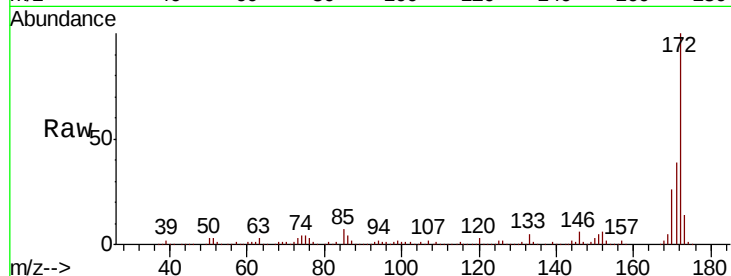




#45
2-Fluorobiphenyl
Concen: 88.474 ng
RT: 13.16 min Scan# 1714
Delta R.T. -0.00 min
Lab File: BG044366.D
Acq: 10 Feb 2020 21:18

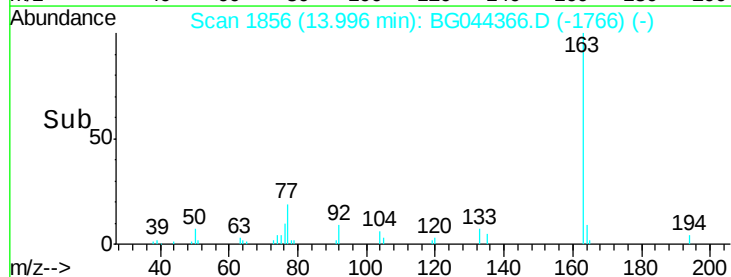
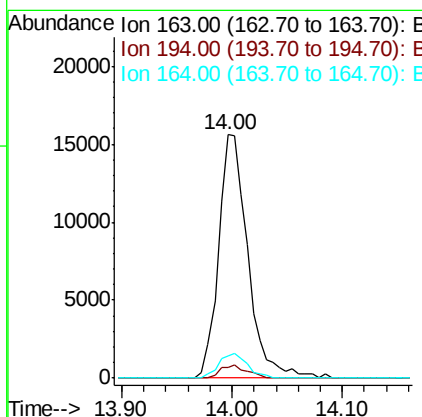
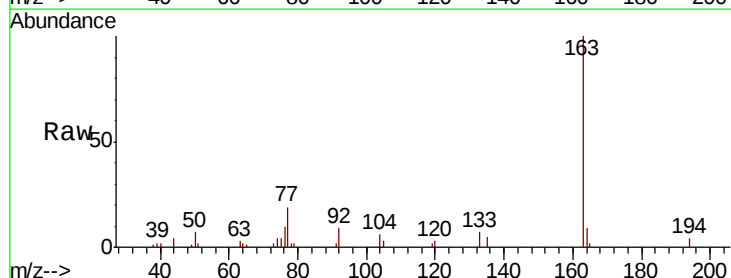
Instrument :
BNA_G
ClientSampleId :

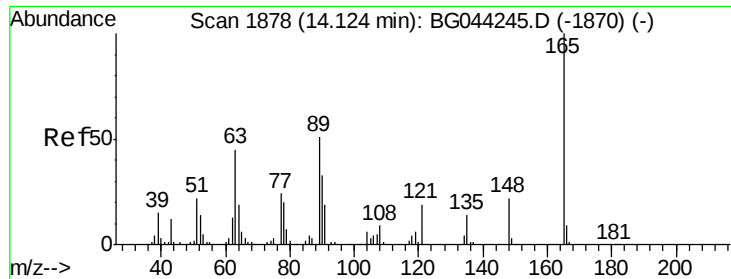
Tot Ion:172 Resp: 972047
Ion Ratio Lower Upper
172 100
171 39.0 32.9 49.3
170 26.0 22.0 33.0



#50
Dimethylphthalate
Concen: 2.182 ng
RT: 14.00 min Scan# 1856
Delta R.T. -0.00 min
Lab File: BG044366.D
Acq: 10 Feb 2020 21:18

Tgt Ion:163 Resp: 28854
Ion Ratio Lower Upper
163 100
194 4.1 3.6 5.4
164 8.9 8.7 13.1

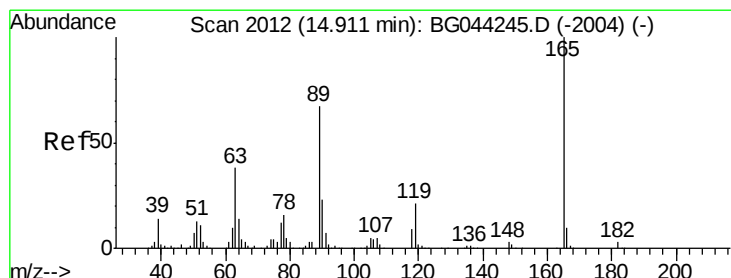
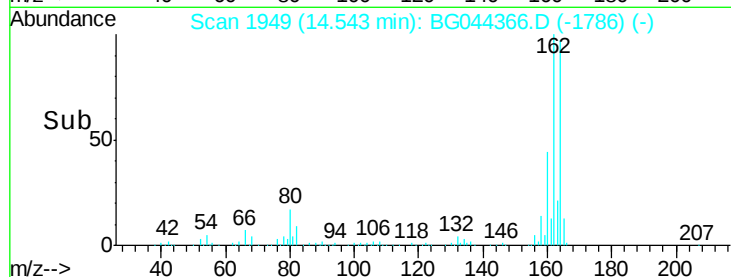
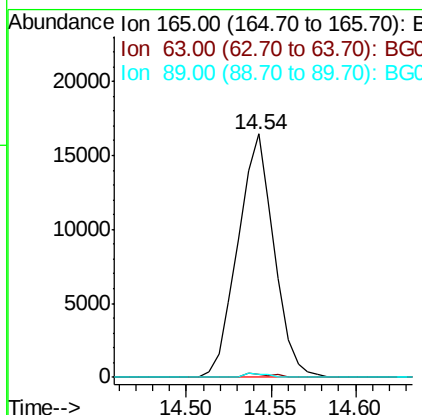
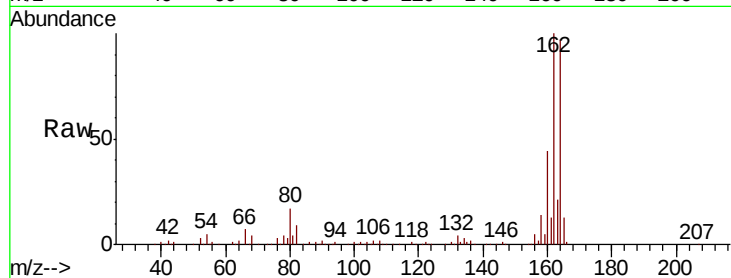




#51
 2,6-Dinitrotoluene
 Concen: 8.291 ng
 RT: 14.54 min Scan# 1949
 Delta R.T. 0.43 min
 Lab File: BG044366.D
 Acq: 10 Feb 2020 21:18

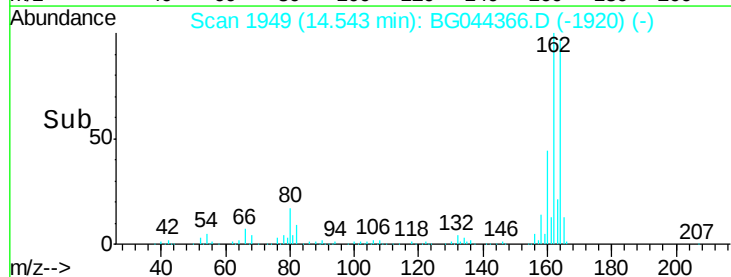
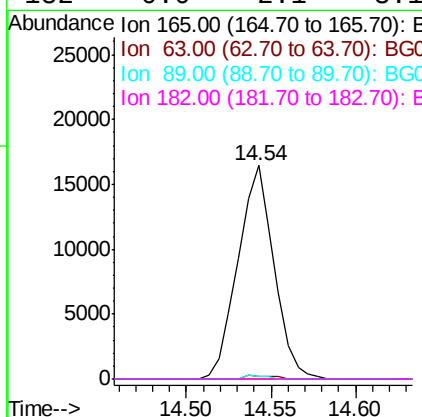
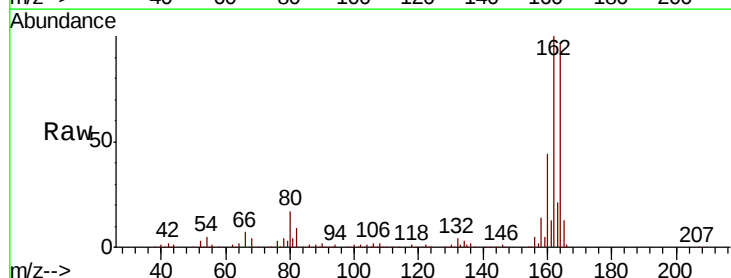
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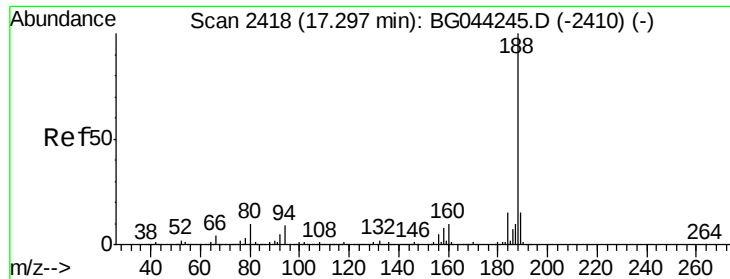
Tot Ion:165 Resp: 24448
 Ion Ratio Lower Upper
 165 100
 63 1.0 38.7 58.1#
 89 1.2 40.4 60.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.915 ng
 RT: 14.54 min Scan# 1949
 Delta R.T. -0.36 min
 Lab File: BG044366.D
 Acq: 10 Feb 2020 21:18

Tgt Ion:165 Resp: 24448
 Ion Ratio Lower Upper
 165 100
 63 1.0 30.3 45.5#
 89 1.2 53.4 80.2#
 182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.29 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG044366.D

Acq: 10 Feb 2020 21:18

Instrument :

BNA_G

ClientSampleId :

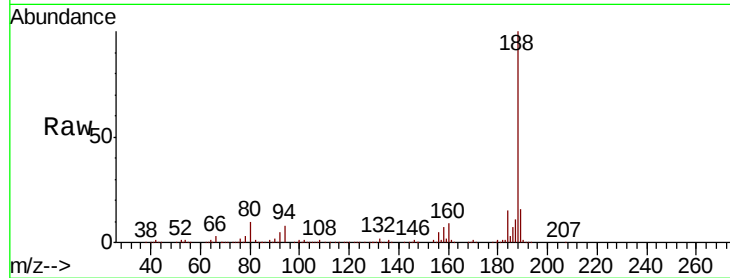
Tot Ion:188 Resp: 470815

Ion Ratio Lower Upper

188 100

94 8.4 7.4 11.2

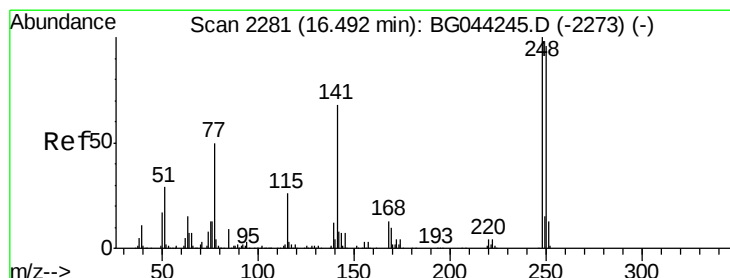
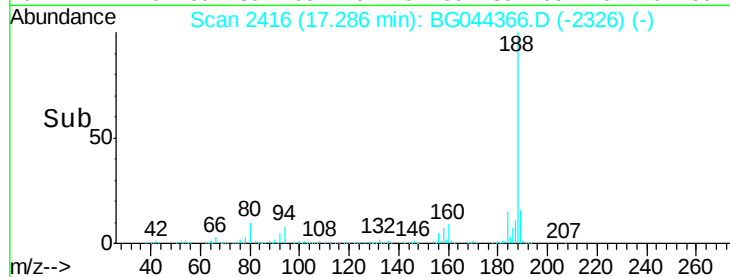
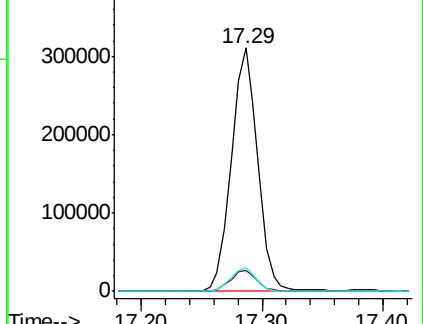
80 9.6 7.7 11.5



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: 4.186 ng

RT: 16.03 min Scan# 2202

Delta R.T. -0.45 min

Lab File: BG044366.D

Acq: 10 Feb 2020 21:18

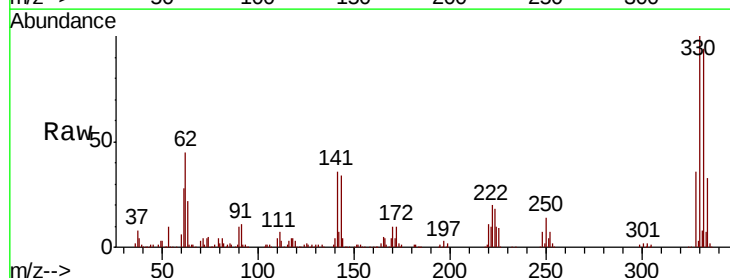
Tgt Ion:248 Resp: 21474

Ion Ratio Lower Upper

248 100

250 199.5 76.6 114.8#

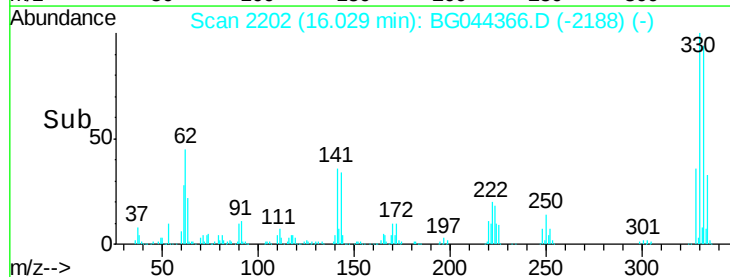
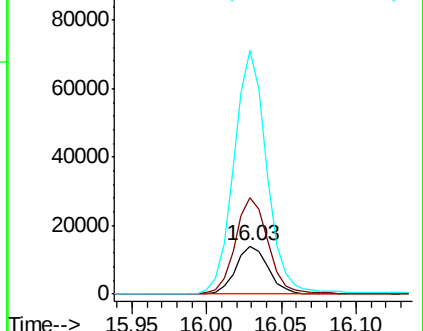
141 504.2 54.7 82.1#

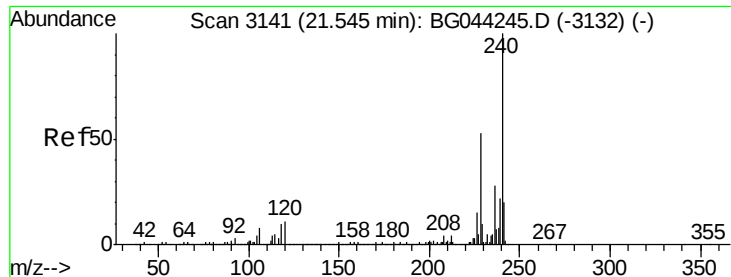


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.53 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG044366.D

Acq: 10 Feb 2020 21:18

Instrument :

BNA_G

ClientSampleId :

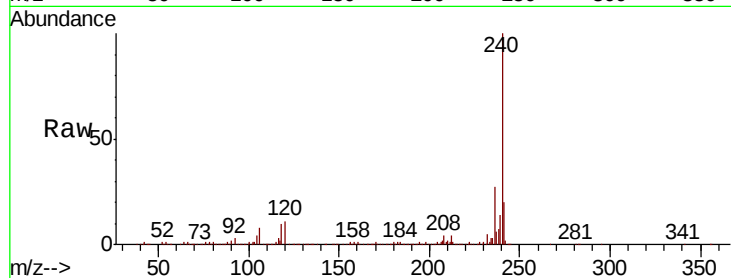
Tot Ion:240 Resp: 467120

Ion Ratio Lower Upper

240 100

120 11.2 8.4 12.6

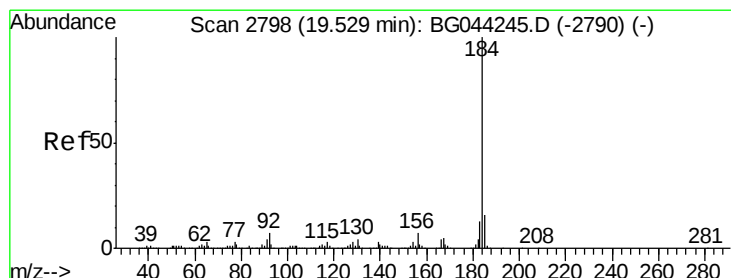
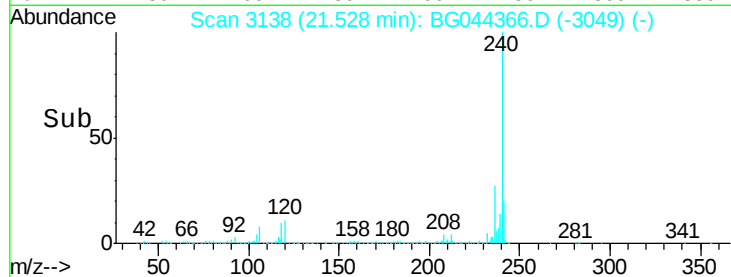
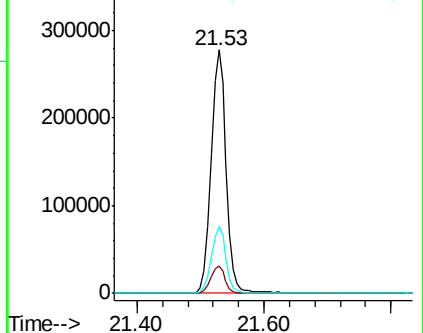
236 27.4 22.1 33.1



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: 2.356 ng

RT: 19.90 min Scan# 2861

Delta R.T. 0.38 min

Lab File: BG044366.D

Acq: 10 Feb 2020 21:18

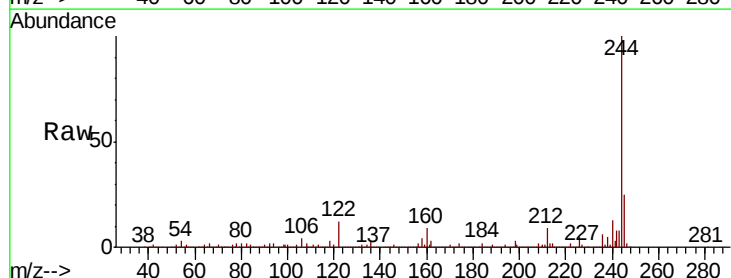
Tgt Ion:184 Resp: 30529

Ion Ratio Lower Upper

184 100

185 16.0 12.9 19.3

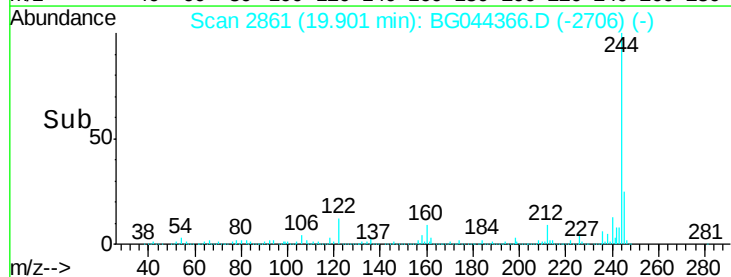
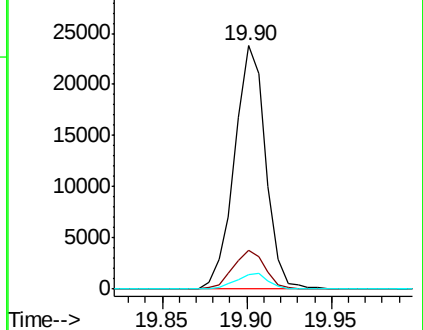
183 6.0 10.8 16.2#

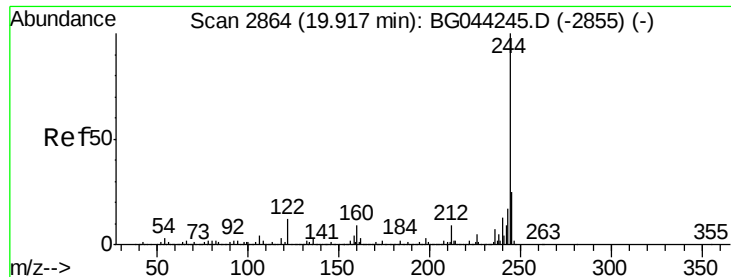


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 81.059 ng

RT: 19.90 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BG044366.D

Acq: 10 Feb 2020 21:18

Instrument :

BNA_G

ClientSampleId :

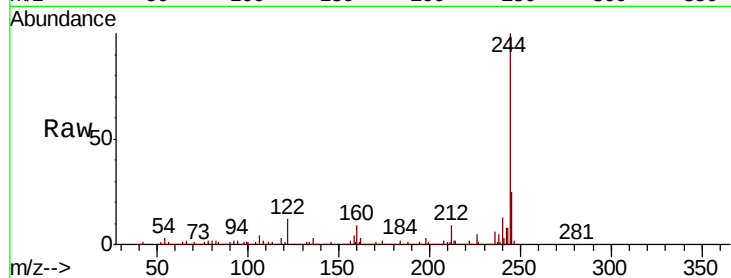
Tot Ion:244 Resp: 1840862

Ion Ratio Lower Upper

244 100

212 8.8 7.4 11.2

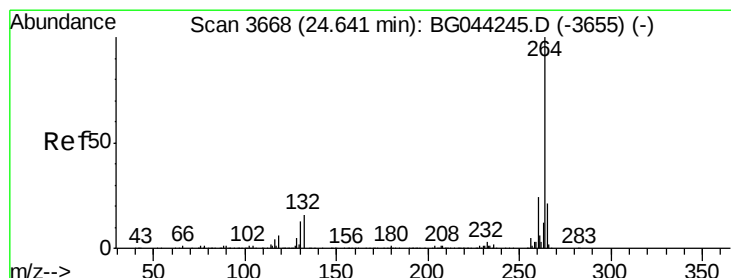
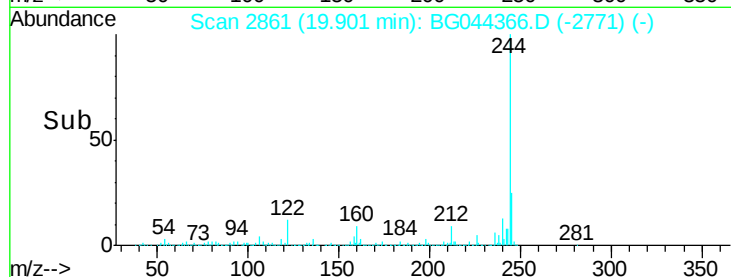
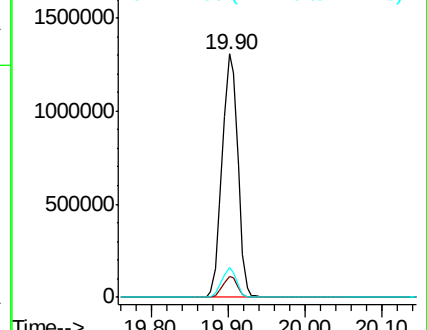
122 12.3 9.8 14.6



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

Perylene-d12

Concen: 20.000 ng

RT: 24.61 min Scan# 3663

Delta R.T. -0.01 min

Lab File: BG044366.D

Acq: 10 Feb 2020 21:18

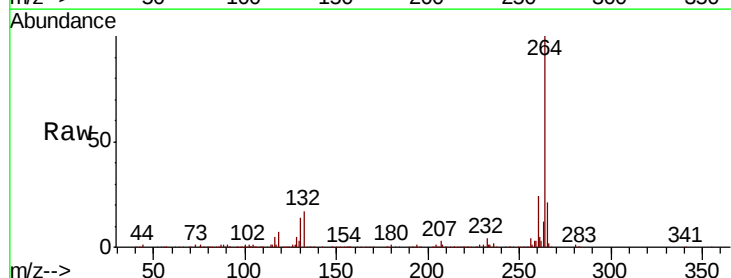
Tgt Ion:264 Resp: 485694

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 21.4 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

