

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
 Data File : BG044381.D
 Acq On : 11 Feb 2020 9:06
 Operator : CG/JU
 Sample : L1470-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 11 13:05:08 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

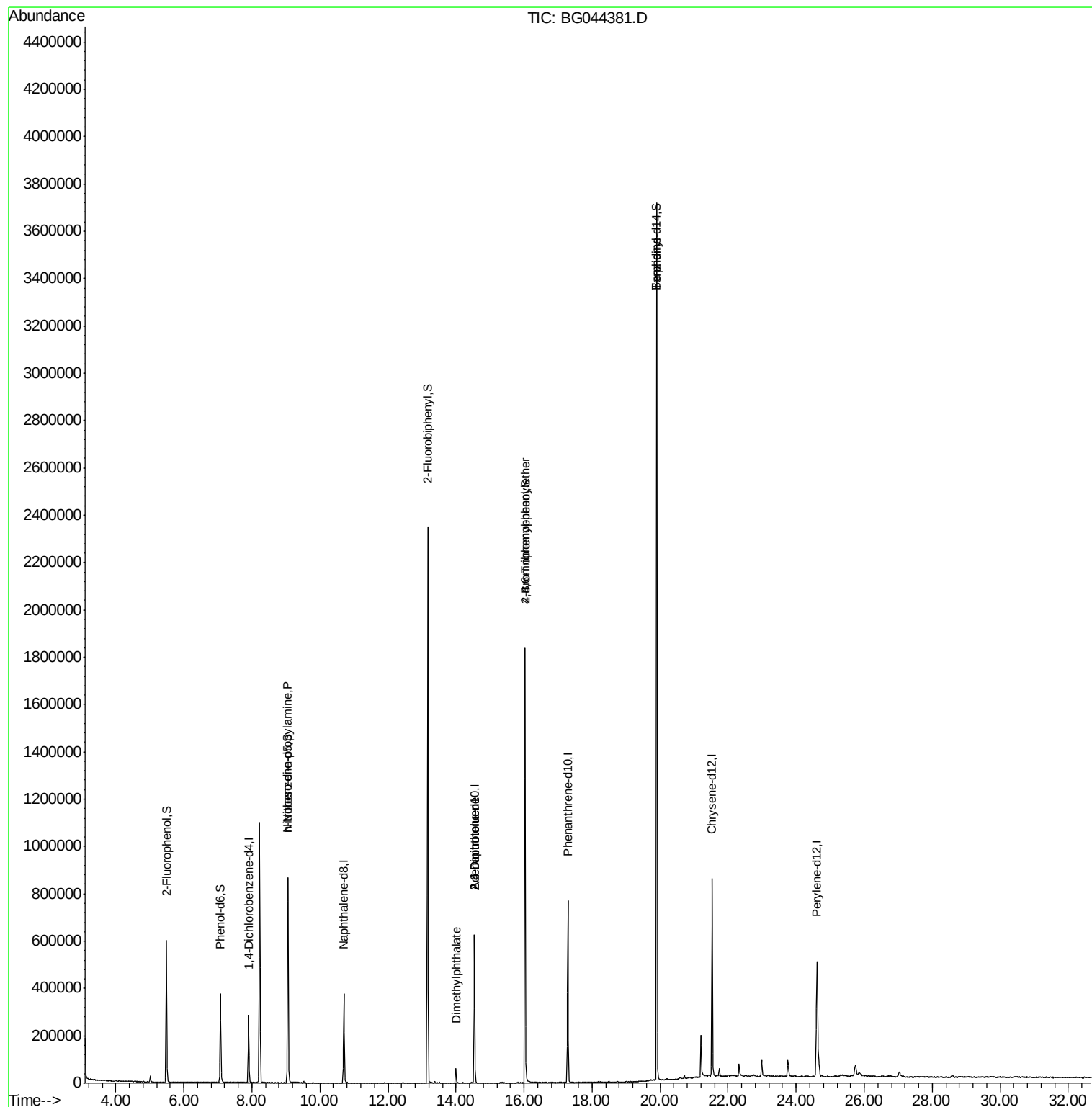
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	88550	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	352556	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	221707	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	492692	20.00	ng	0.00
76) Chrysene-d12	21.53	240	477753	20.00	ng	0.00
87) Perylene-d12	24.61	264	496146	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	316462	63.07	ng	0.00
7) Phenol-d6	7.07	99	254337	37.75	ng	0.00
23) Nitrobenzene-d5	9.06	82	565766	90.60	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	367740	141.29	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1269747	95.90	ng	0.00
79) Terphenyl-d14	19.91	244	1825920	78.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.06	70	72809	16.215	ng	Qvalue # 76
50) Dimethylphthalate	13.99	163	45930	2.882	ng	98
51) 2,6-Dinitrotoluene	14.54	165	28654	8.064	ng	# 30
57) 2,4-Dinitrotoluene	14.54	165	28654	5.753	ng	# 27
67) 4-Bromophenyl-phenylether	16.03	248	25921	4.829	ng	# 1
77) Benzidine	19.90	184	30024	2.266	ng	# 92

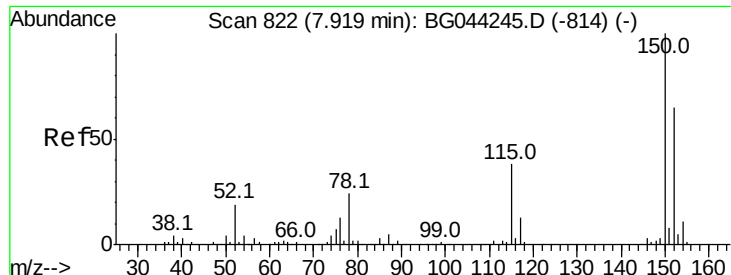
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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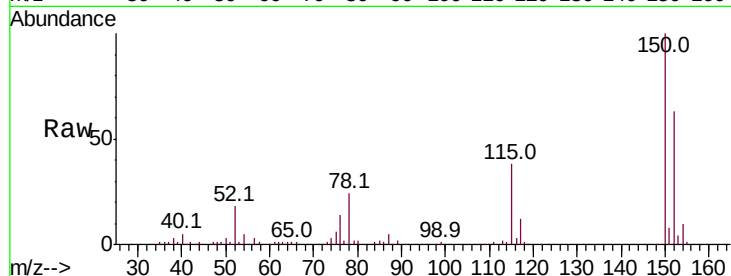


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG044381.D
Acq: 11 Feb 2020 9:06

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	122.6	183.8
115	59.5	46.0	69.0

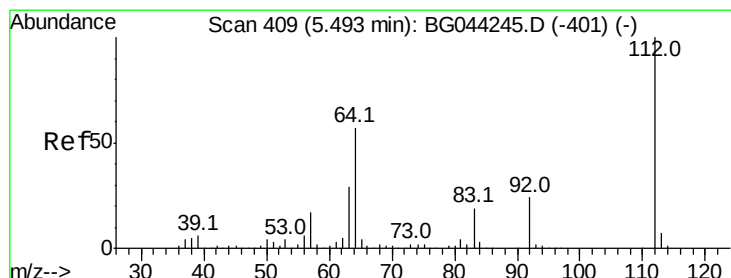
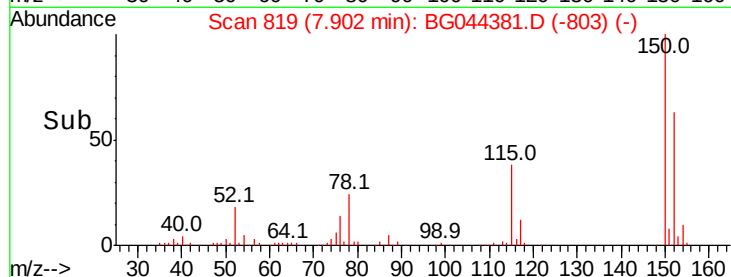
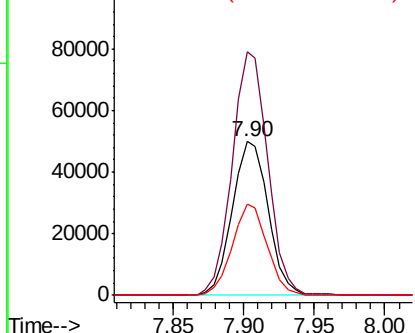


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

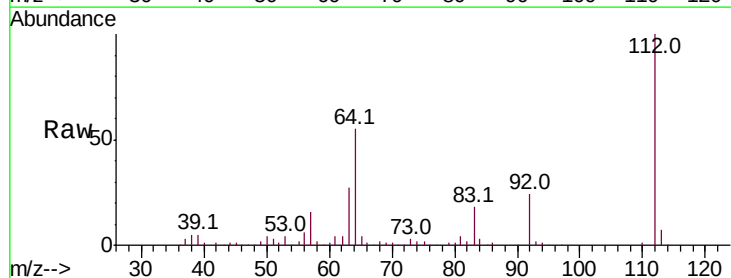
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 63.072 ng
RT: 5.49 min Scan# 408
Delta R.T. 0.01 min
Lab File: BG044381.D
Acq: 11 Feb 2020 9:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	45.4	68.2
63	27.4	22.9	34.3

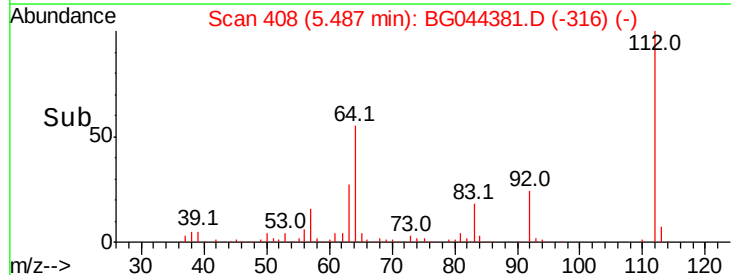
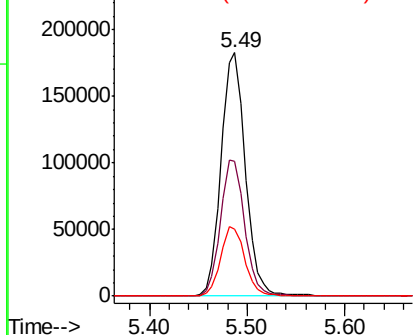


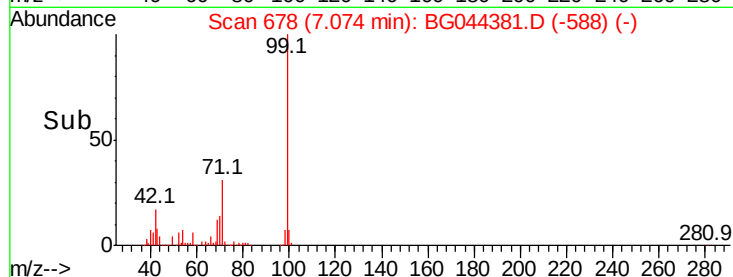
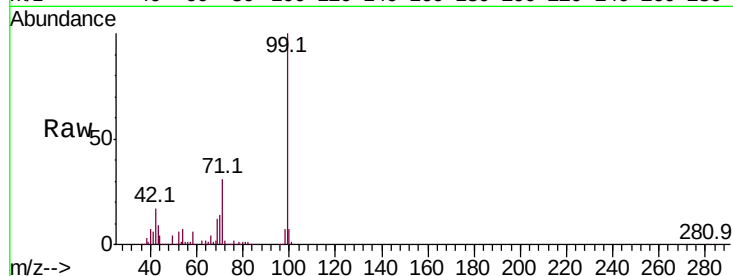
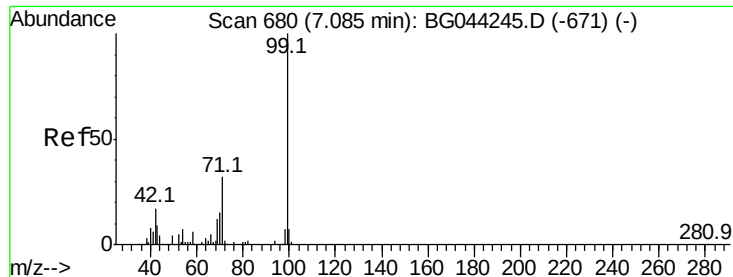
Abundance

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: 37.748 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

Instrument :

BNA_G

ClientSampleId :

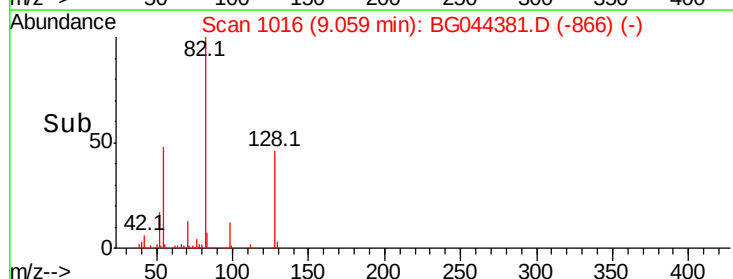
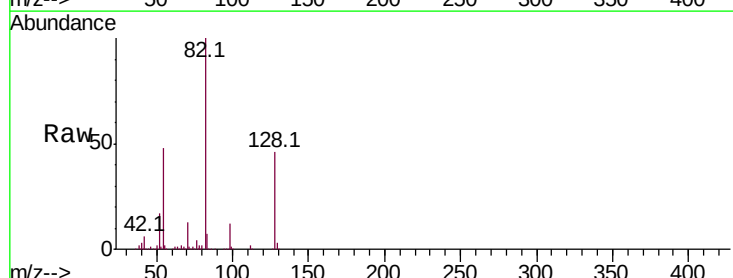
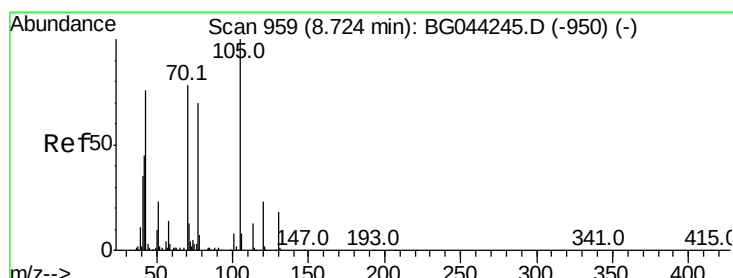
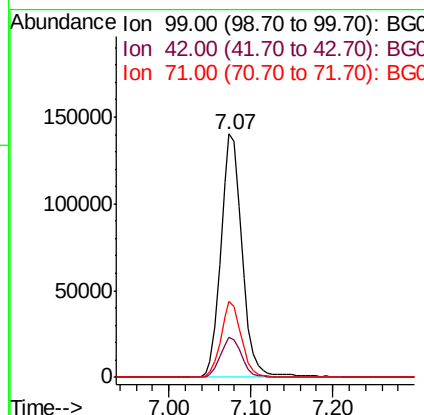
Tot Ion: 99 Resp: 254337

Ion Ratio Lower Upper

99 100

42 16.7 13.8 20.6

71 31.0 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.215 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

Tgt Ion: 70 Resp: 72809

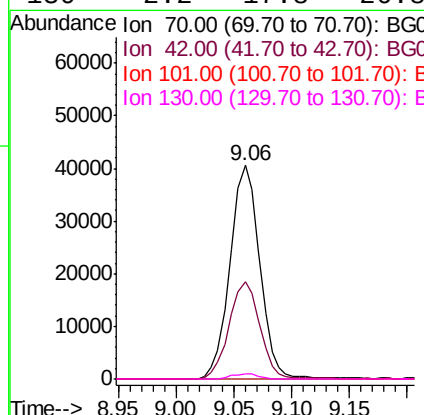
Ion Ratio Lower Upper

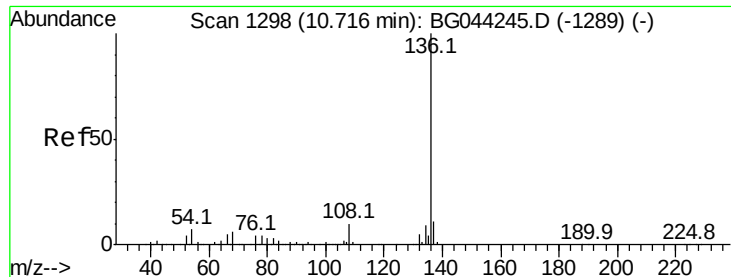
70 100

42 45.4 46.2 69.2#

101 0.0 8.4 12.6#

130 2.2 17.8 26.8#

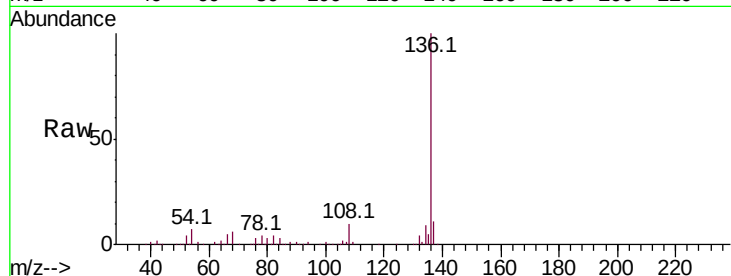




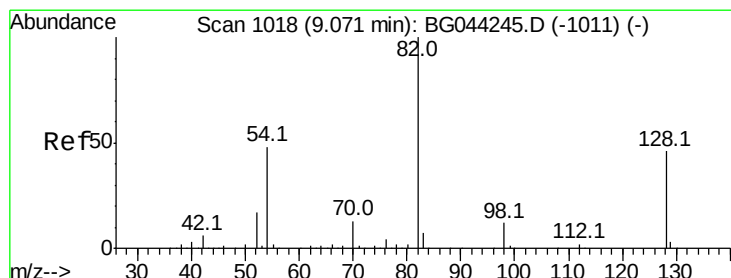
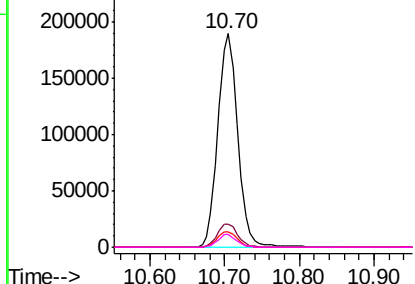
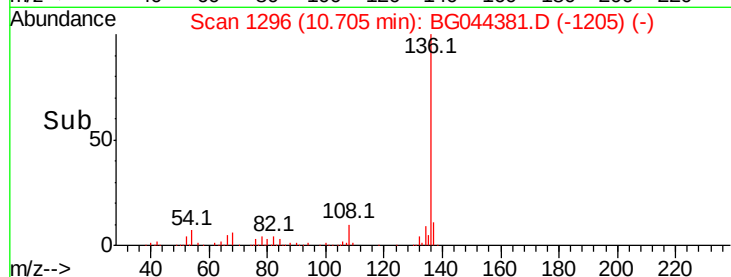
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BG044381.D
Acq: 11 Feb 2020 9:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	352556
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.8 13.2
54	7.4	5.8 8.8
68	6.0	4.6 6.8

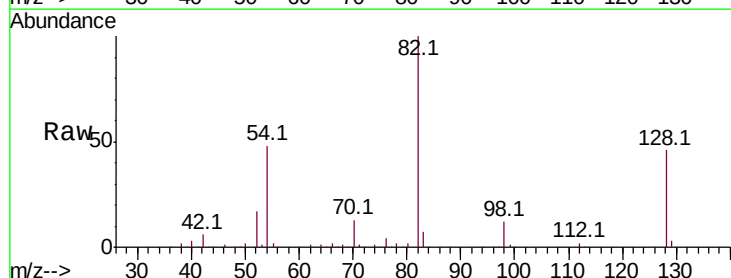


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

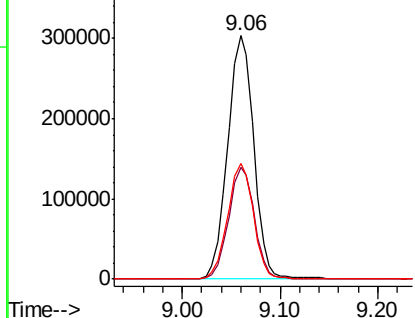
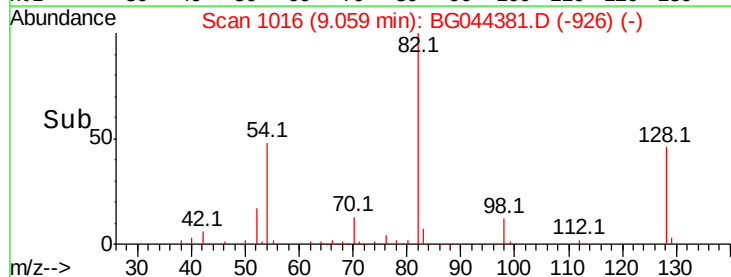


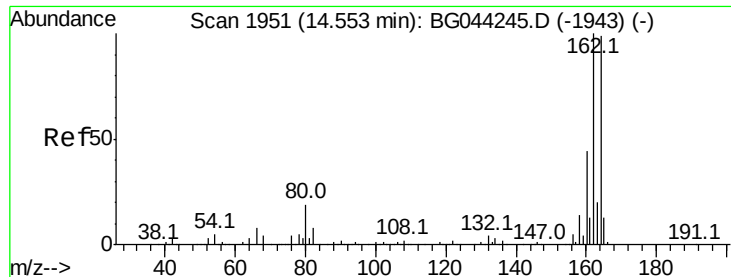
#23
Nitrobenzene-d5
Concen: 90.599 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG044381.D
Acq: 11 Feb 2020 9:06

Tgt Ion: 82	Resp:	565766
Ion Ratio	Lower	Upper
82	100	
128	45.9	36.5 54.7
54	47.5	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: BG044381.D

Acq: 11 Feb 2020 9:06

Instrument :

BNA_G

ClientSampleId :

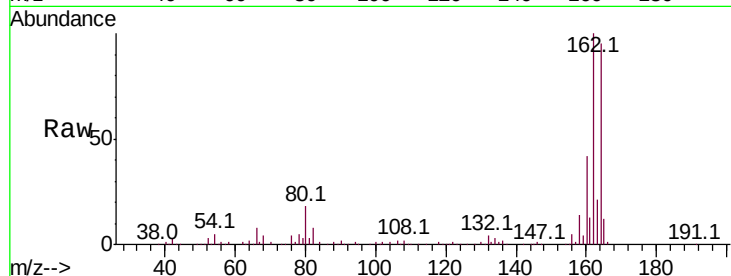
Tot Ion:164 Resp: 221707

Ion Ratio Lower Upper

164 100

162 105.7 80.7 121.1

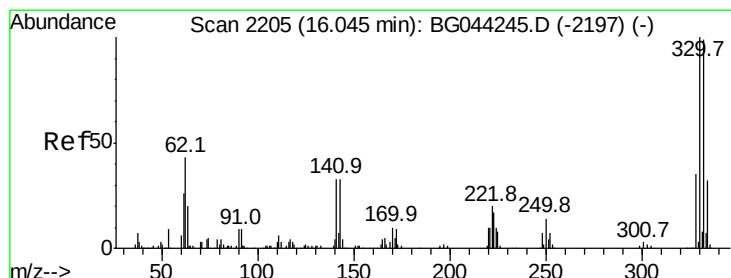
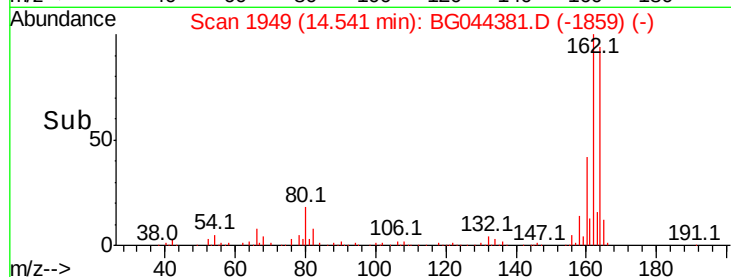
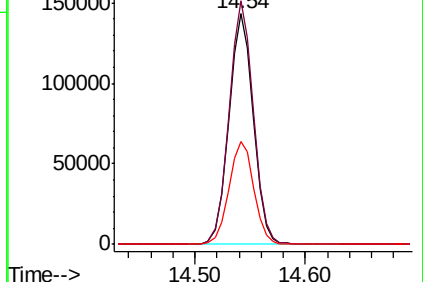
160 44.4 35.3 52.9



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: 141.291 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

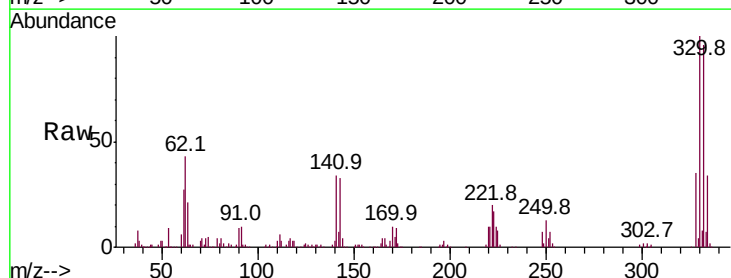
Tgt Ion:330 Resp: 367740

Ion Ratio Lower Upper

330 100

332 96.3 77.2 115.8

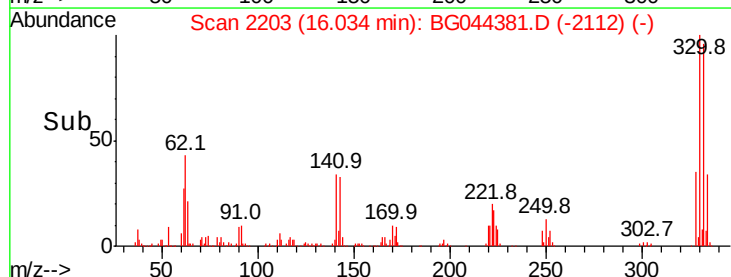
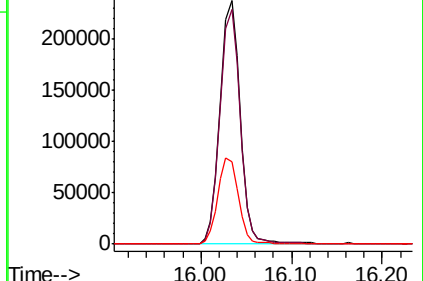
141 36.0 28.3 42.5

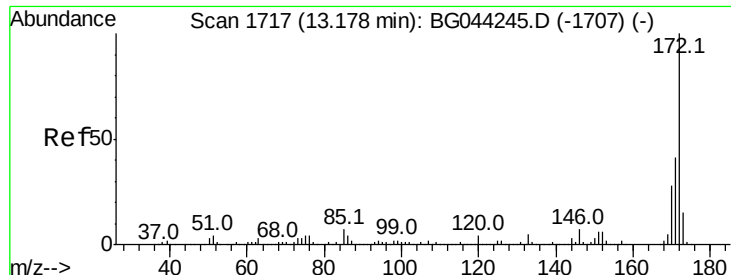


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



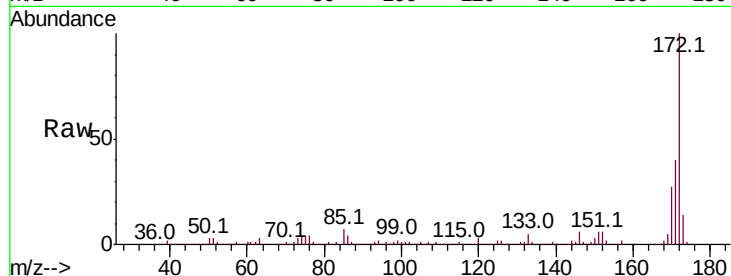


#45
 2-Fluorobiphenyl
 Concen: 95.904 ng
 RT: 13.17 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: BG044381.D
 Acq: 11 Feb 2020 9:06

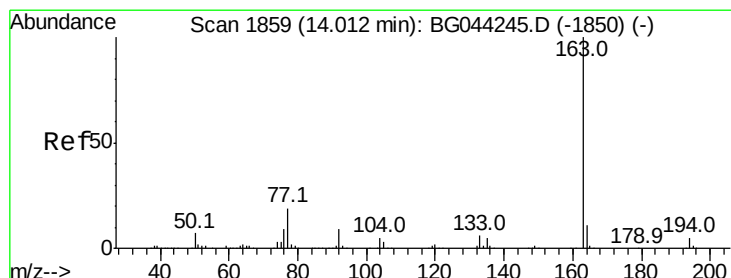
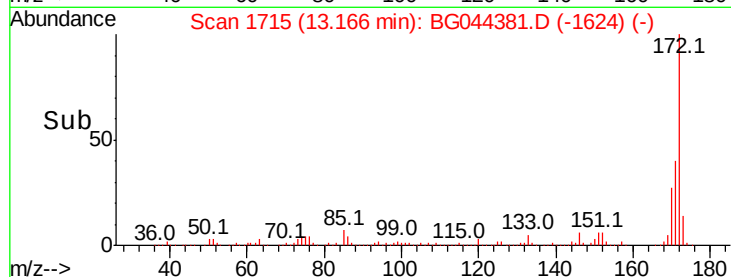
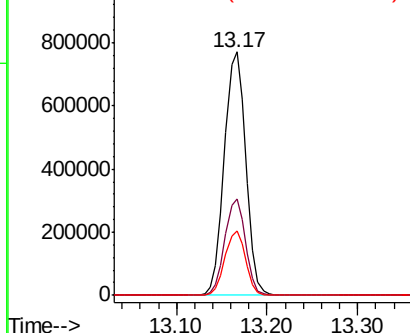
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1269747

Ion	Ratio	Lower	Upper
172	100		
171	39.6	32.9	49.3
170	26.7	22.0	33.0



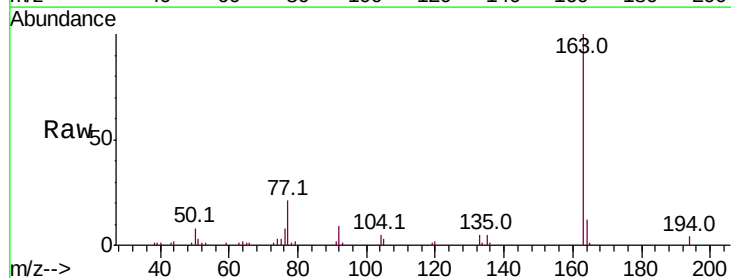
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



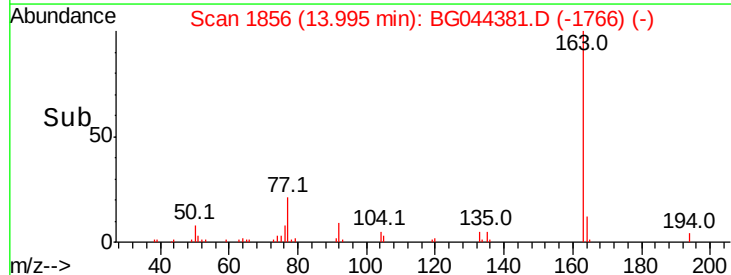
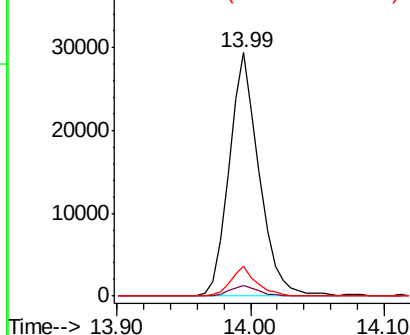
#50
 Dimethylphthalate
 Concen: 2.882 ng
 RT: 13.99 min Scan# 1856
 Delta R.T. -0.00 min
 Lab File: BG044381.D
 Acq: 11 Feb 2020 9:06

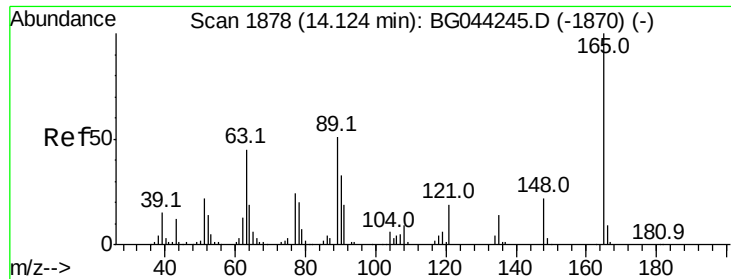
Tgt Ion:163 Resp: 45930

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.6	5.4
164	12.0	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: 8.064 ng

RT: 14.54 min Scan# 1949

Delta R.T. 0.43 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

Instrument :

BNA_G

ClientSampled :

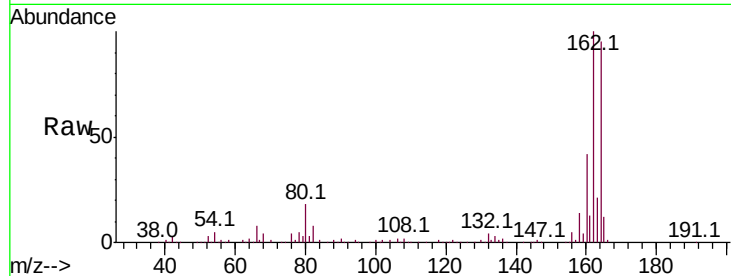
Tot Ion:165 Resp: 28654

Ion Ratio Lower Upper

165 100

63 1.3 38.7 58.1#

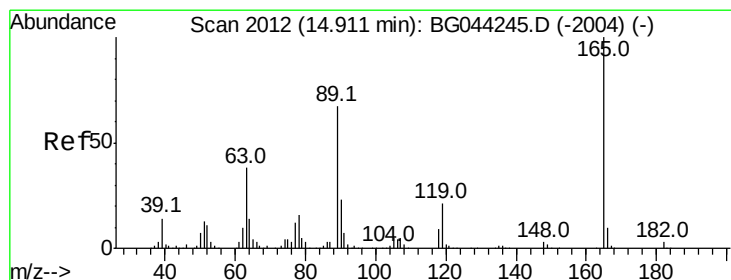
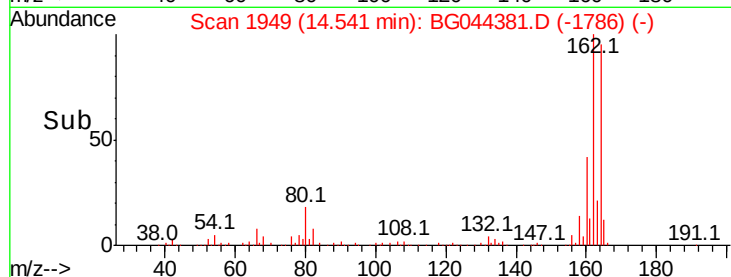
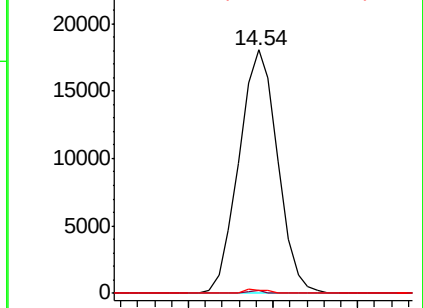
89 1.4 40.4 60.6#



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: 5.753 ng

RT: 14.54 min Scan# 1949

Delta R.T. -0.36 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

Tgt Ion:165 Resp: 28654

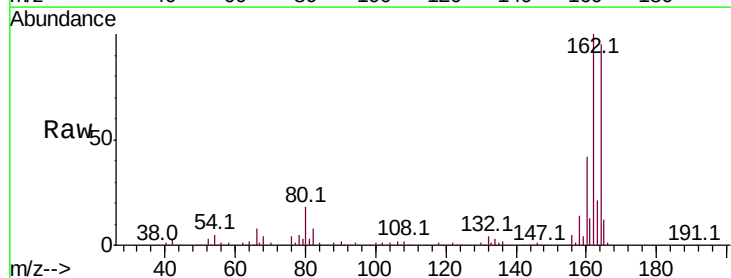
Ion Ratio Lower Upper

165 100

63 1.3 30.3 45.5#

89 1.4 53.4 80.2#

182 0.0 2.1 3.1#

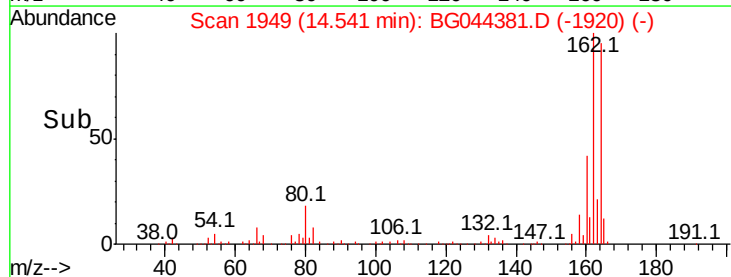
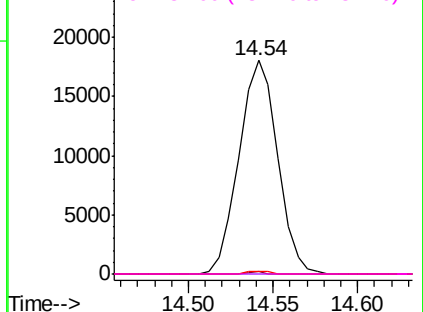


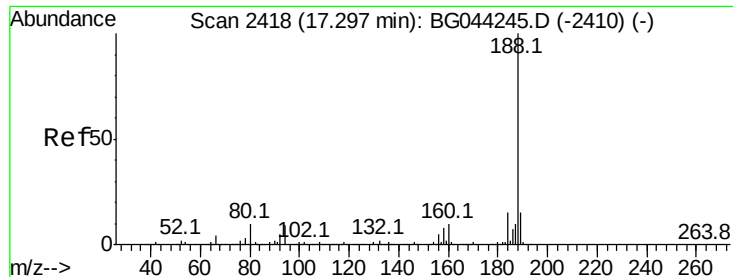
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.29 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

Instrument :

BNA_G

ClientSampleId :

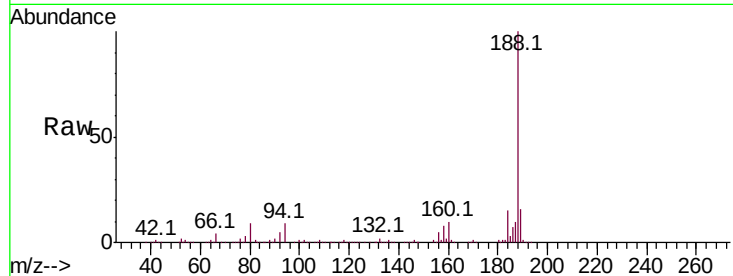
Tot Ion:188 Resp: 492692

Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.2

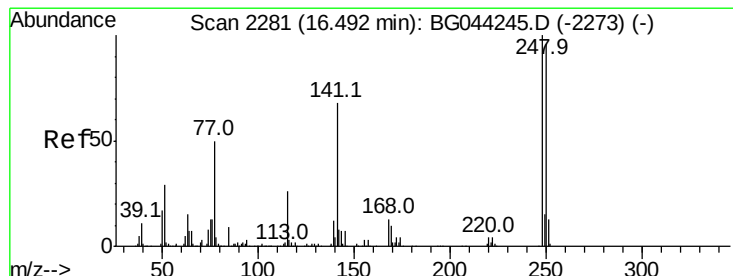
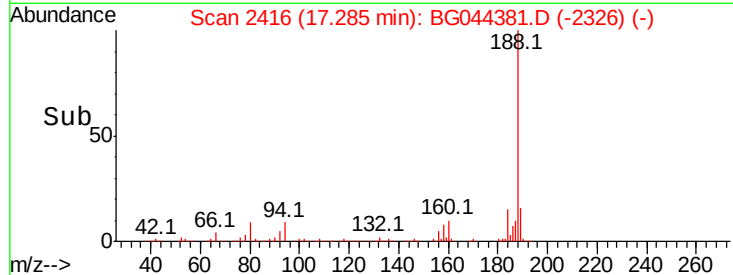
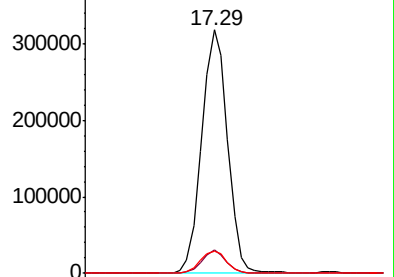
80 9.2 7.7 11.5



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: 4.829 ng

RT: 16.03 min Scan# 2203

Delta R.T. -0.44 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

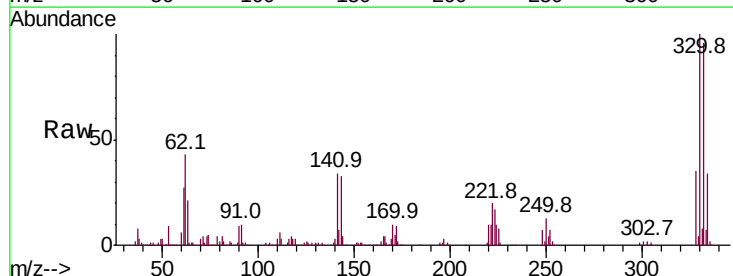
Tgt Ion:248 Resp: 25921

Ion Ratio Lower Upper

248 100

250 187.7 76.6 114.8#

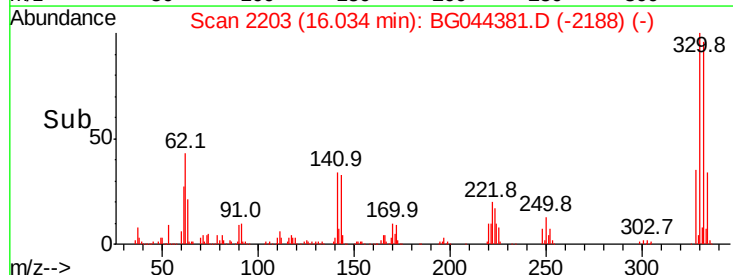
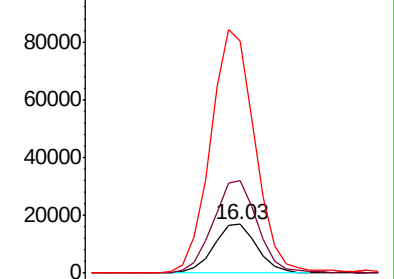
141 472.9 54.7 82.1#

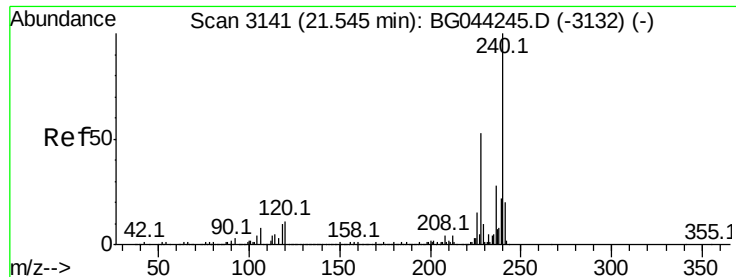


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG044381.D

Acq: 11 Feb 2020 9:06

Instrument :

BNA_G

ClientSampleId :

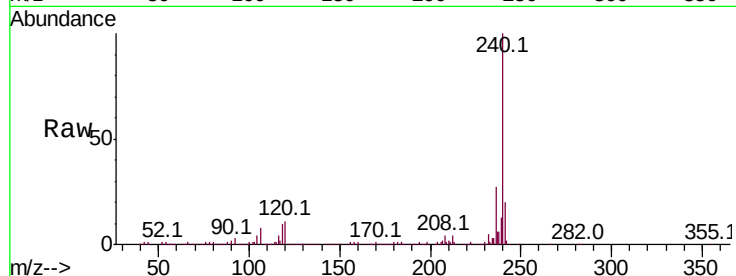
Tot Ion:240 Resp: 477753

Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

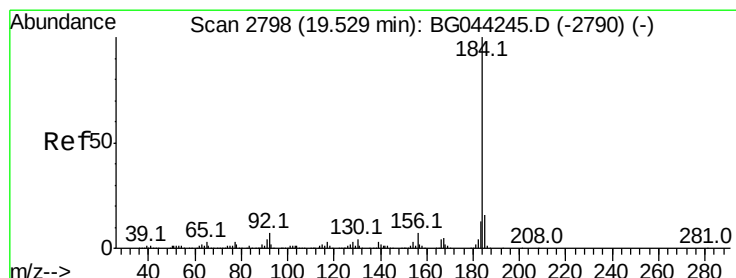
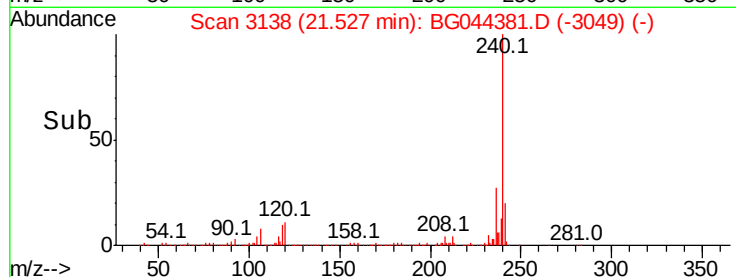
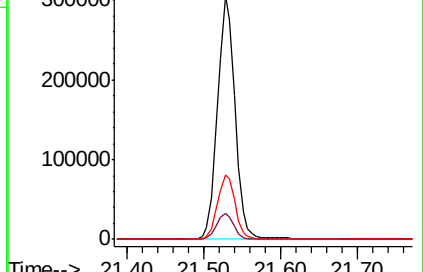
236 26.6 22.1 33.1



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: 2.266 ng

RT: 19.90 min Scan# 2861

Delta R.T. 0.38 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

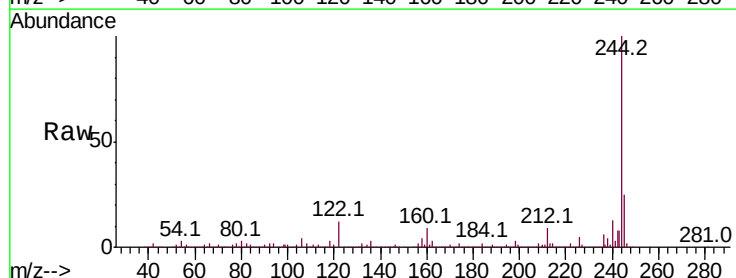
Tgt Ion:184 Resp: 30024

Ion Ratio Lower Upper

184 100

185 15.4 12.9 19.3

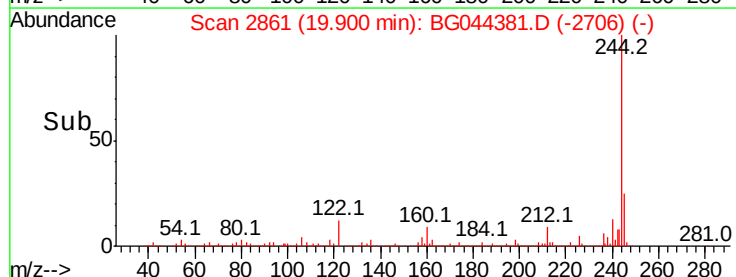
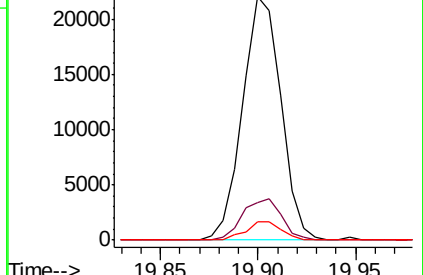
183 7.6 10.8 16.2#

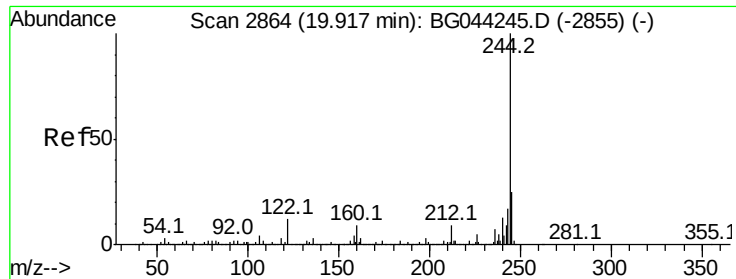


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 78.611 ng

RT: 19.91 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

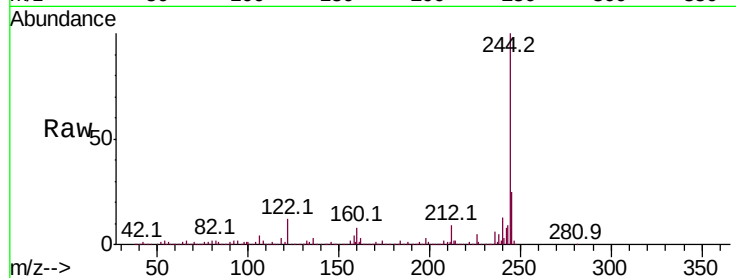
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1825920

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.4	11.2
122	11.7	9.8	14.6

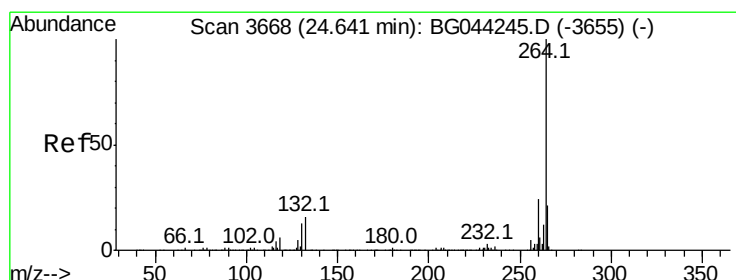
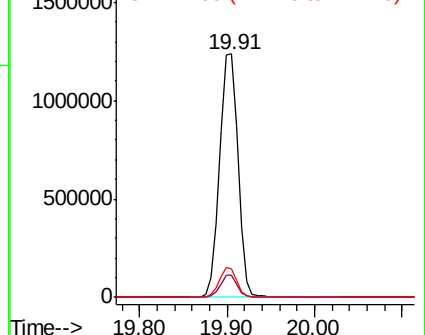
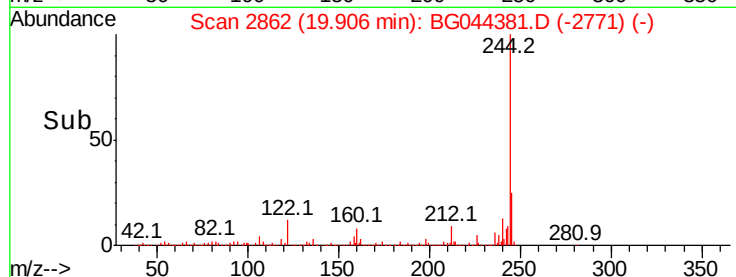


Abundance

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

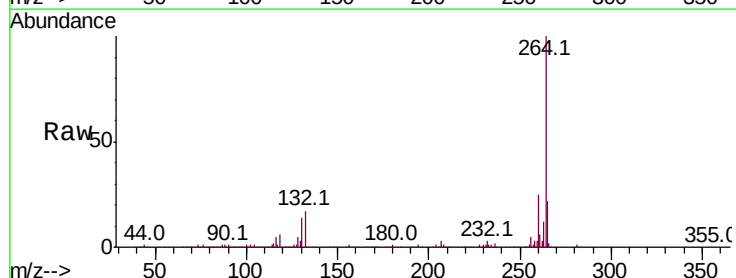
Delta R.T. -0.01 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

Tgt Ion:264 Resp: 496146

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	22.4	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

