

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
 Data File : BG041019.D
 Acq On : 1 Jun 2019 19:21
 Operator : HP/JU
 Sample : K3106-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 03 01:14:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

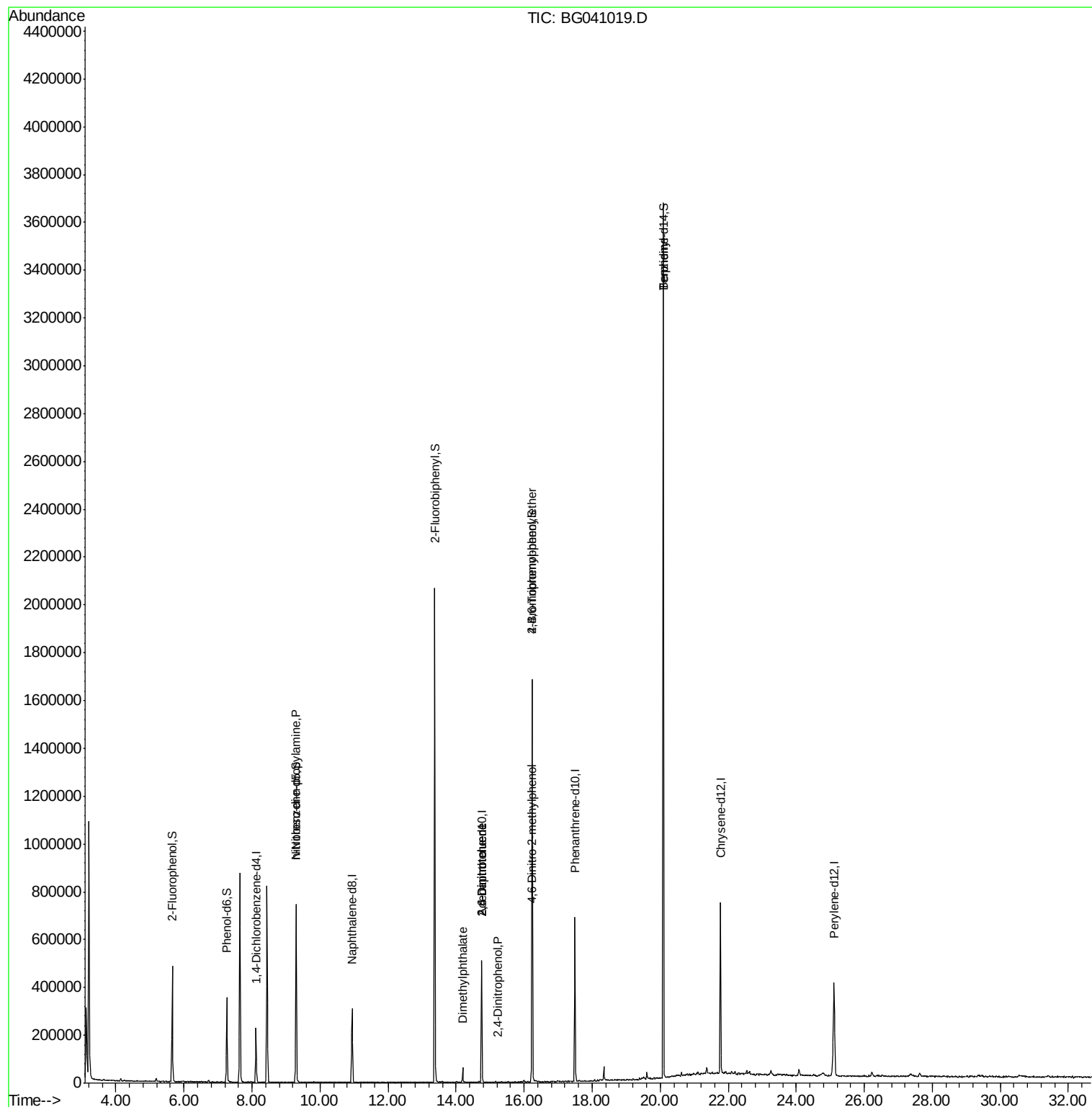
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	59810	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	241311	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	175403	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	422266	20.00	ng	0.00
76) Chrysene-d12	21.77	240	429996	20.00	ng	-0.01
87) Perylene-d12	25.11	264	449491	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	191672	57.79	ng	0.00
7) Phenol-d6	7.26	99	179558	35.05	ng	0.00
23) Nitrobenzene-d5	9.30	82	447846	82.39	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	312269	119.92	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1034450	84.93	ng	0.00
79) Terphenyl-d14	20.09	244	1701315	83.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	62979	15.976	ng	# 79
50) Dimethylphthalate	14.19	163	38690	2.606	ng	# 98
51) 2,6-Dinitrotoluene	14.75	165	22474	7.020	ng	# 20
54) 2,4-Dinitrophenol	15.23	184	53	8.290	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	22474	4.970	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.21	198	300	8.698	ng	# 38
67) 4-Bromophenyl-phenylether	16.24	248	22959	4.029	ng	# 1
77) Benzidine	20.09	184	30437	2.967	ng	# 95

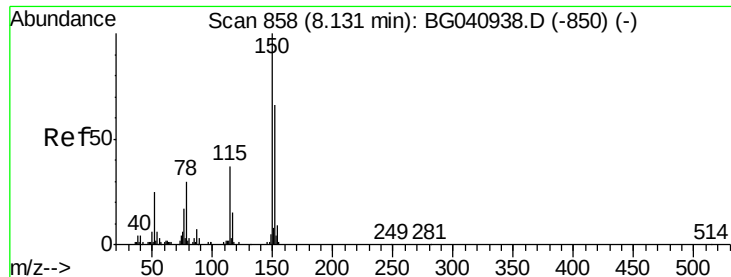
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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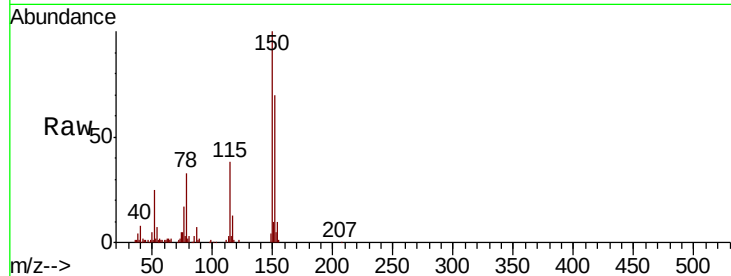


#1

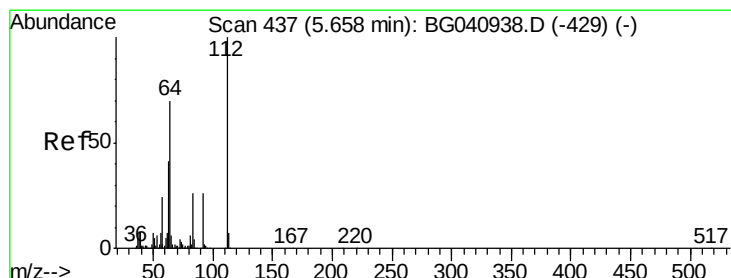
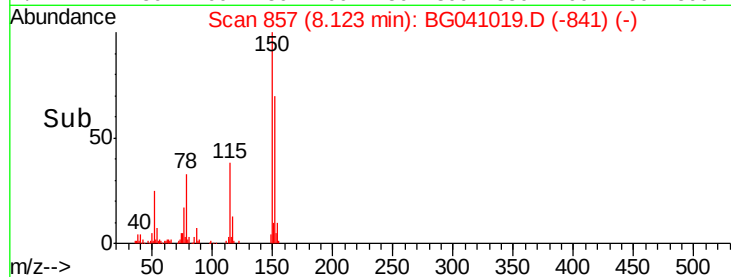
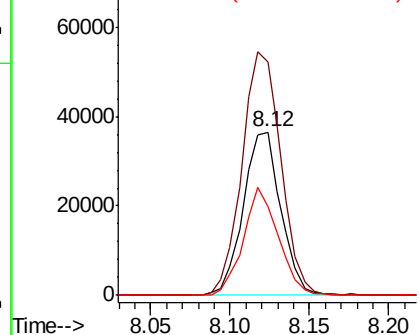
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG041019.D
Acq: 1 Jun 2019 19:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.9	120.6	180.8
115	54.7	45.1	67.7



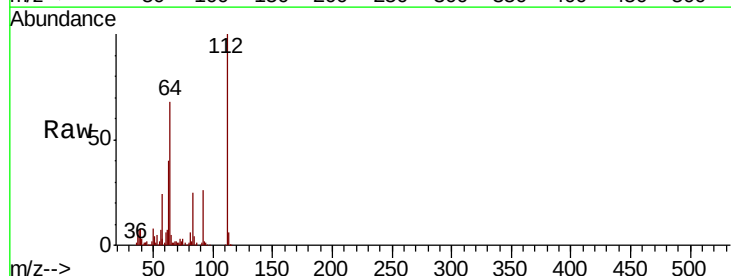
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



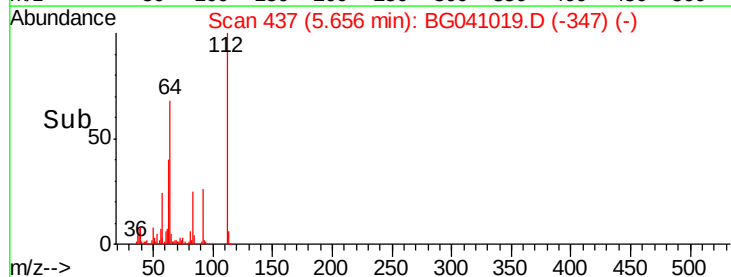
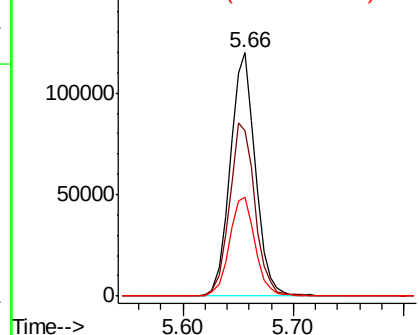
#5

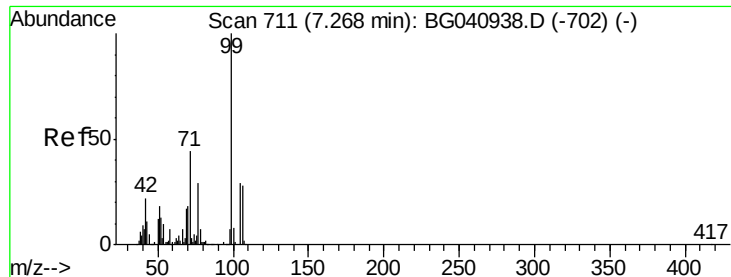
2-Fluorophenol
Concen: 57.787 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG041019.D
Acq: 1 Jun 2019 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	56.2	84.2
63	40.5	32.8	49.2



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: 35.053 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG041019.D

Acq: 1 Jun 2019 19:21

Instrument :

BNA_G

ClientSampleId :

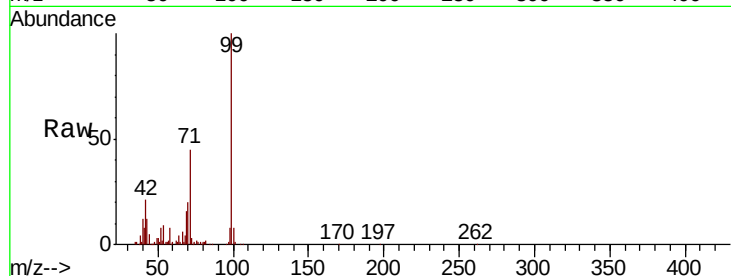
Tot Ion: 99 Resp: 179558

Ion Ratio Lower Upper

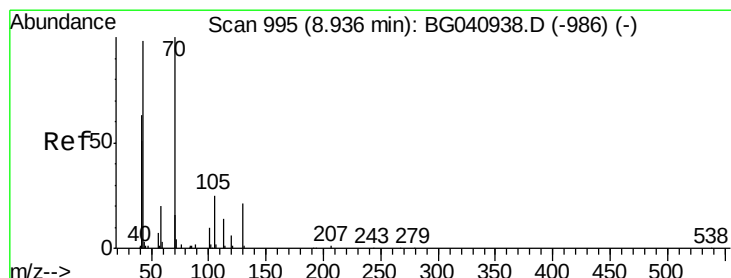
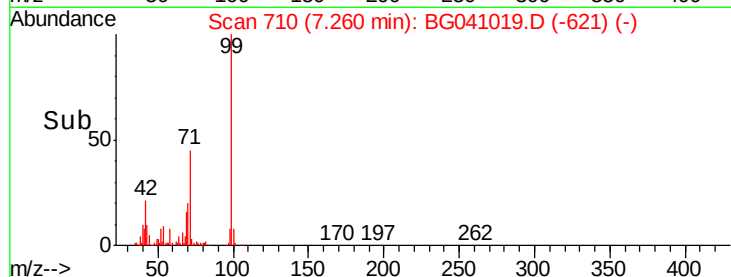
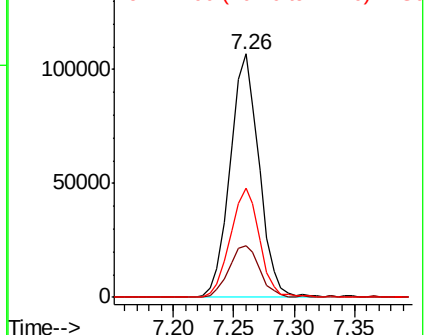
99 100

42 21.2 17.9 26.9

71 45.0 35.4 53.0



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: 15.976 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041019.D

Acq: 1 Jun 2019 19:21

Tgt Ion: 70 Resp: 62979

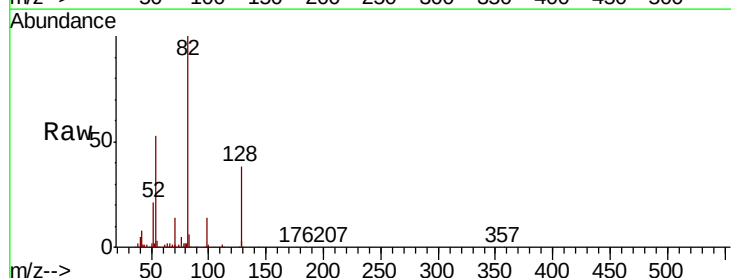
Ion Ratio Lower Upper

70 100

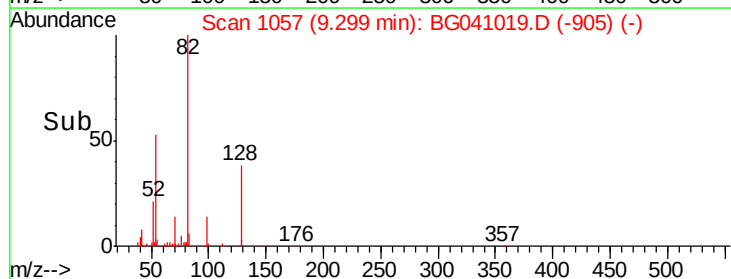
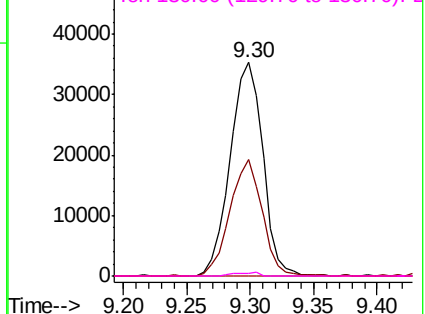
42 54.3 51.5 77.3

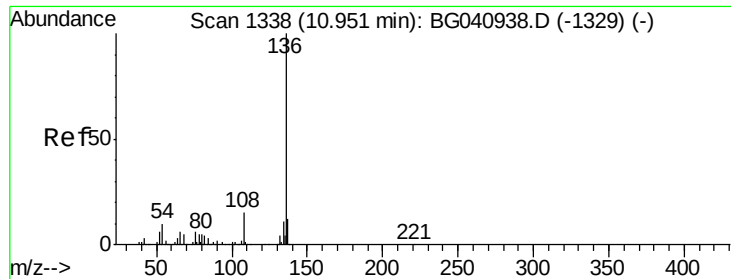
101 0.0 8.1 12.1#

130 0.9 16.6 24.8#



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

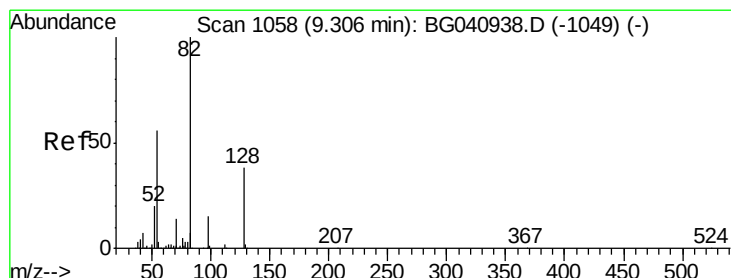
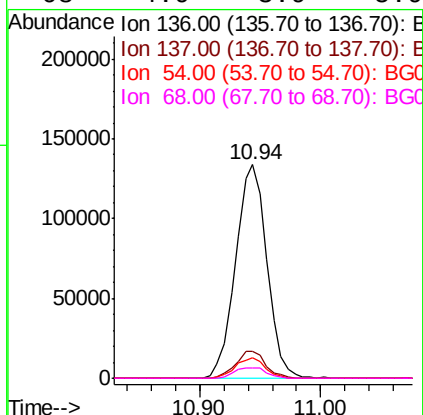
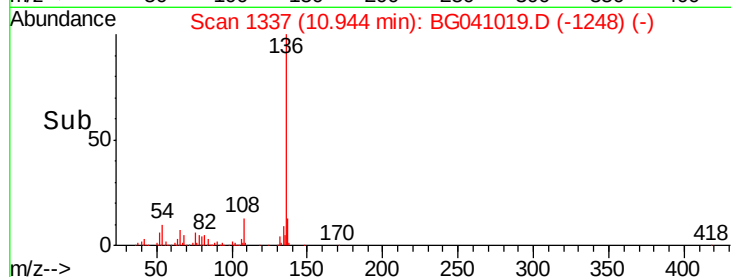
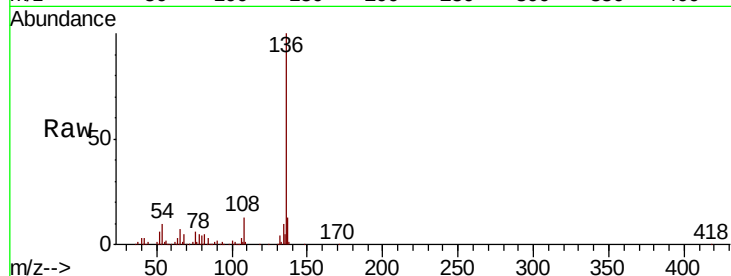




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG041019.D
Acq: 1 Jun 2019 19:21

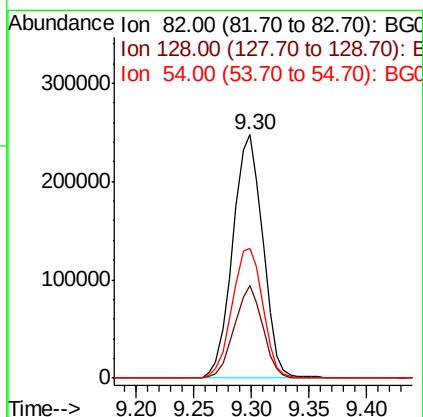
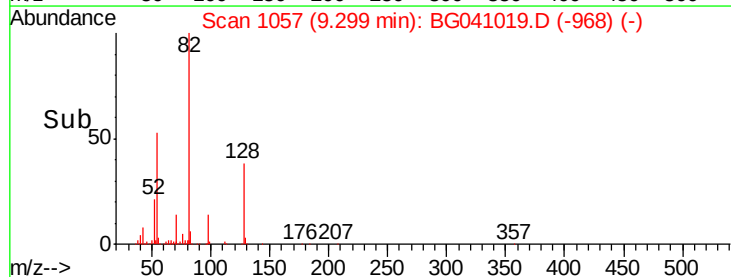
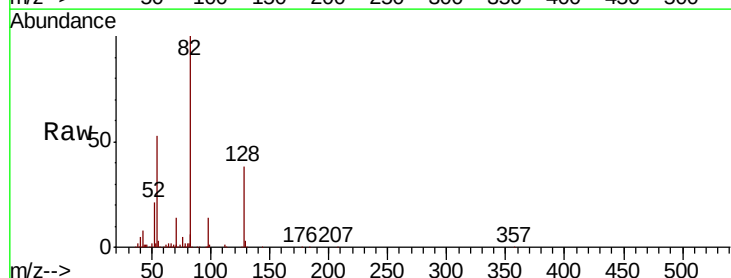
Instrument :
BNA_G
ClientSampleId :

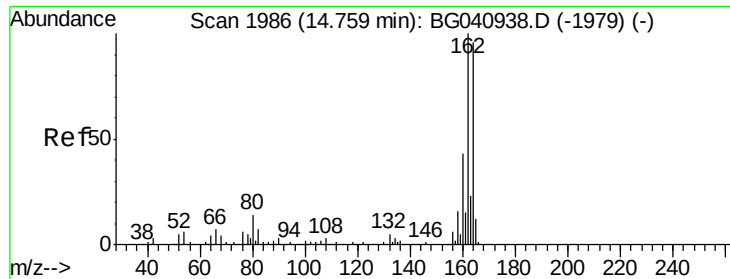
Tot Ion:136	Resp:	241311
Ion Ratio	Lower	Upper
136	100	
137	12.8	9.5 14.3
54	9.7	7.6 11.4
68	4.9	3.9 5.9



#23
Nitrobenzene-d5
Concen: 82.390 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG041019.D
Acq: 1 Jun 2019 19:21

Tgt Ion: 82	Resp:	447846
Ion Ratio	Lower	Upper
82	100	
128	38.3	30.5 45.7
54	53.1	44.6 66.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG041019.D

Acq: 1 Jun 2019 19:21

Instrument :

BNA_G

ClientSampleId :

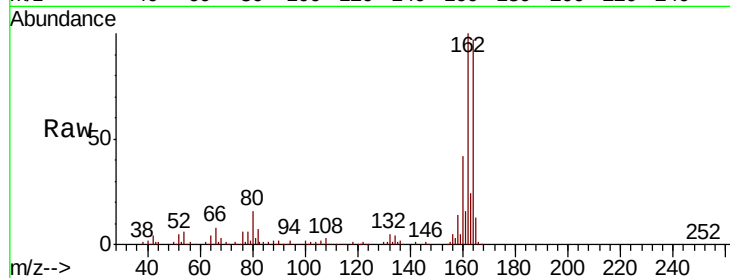
Tot Ion:164 Resp: 175403

Ion Ratio Lower Upper

164 100

162 103.2 83.0 124.4

160 43.6 35.6 53.4

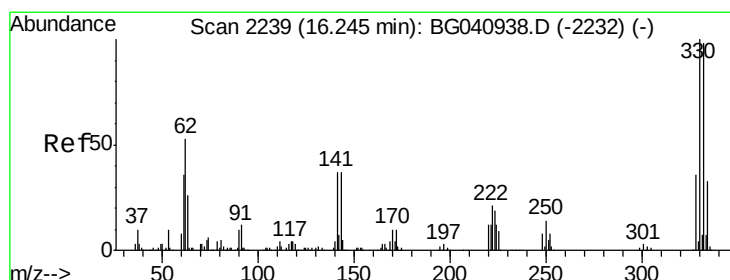
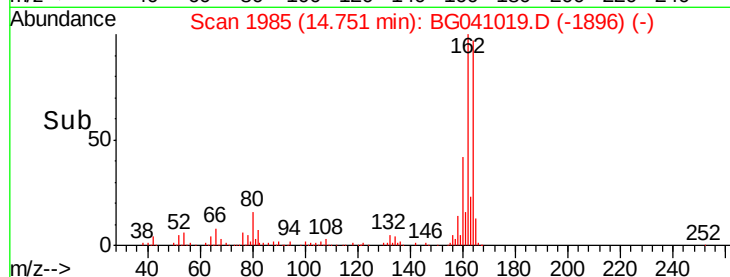
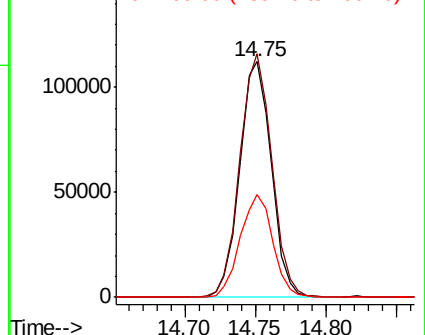


Abundance

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: 119.920 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG041019.D

Acq: 1 Jun 2019 19:21

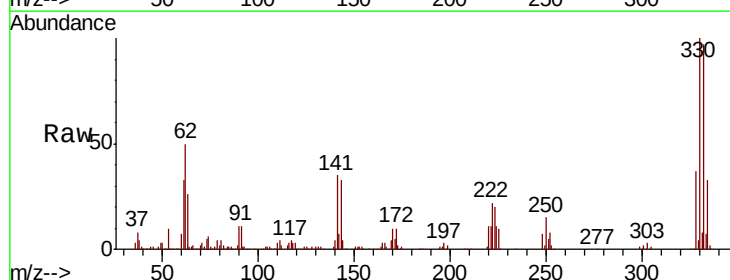
Tgt Ion:330 Resp: 312269

Ion Ratio Lower Upper

330 100

332 97.9 78.5 117.7

141 36.2 28.7 43.1

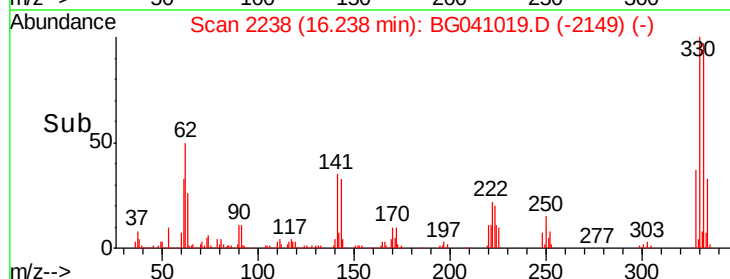
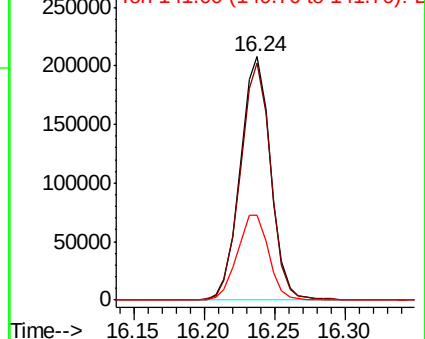


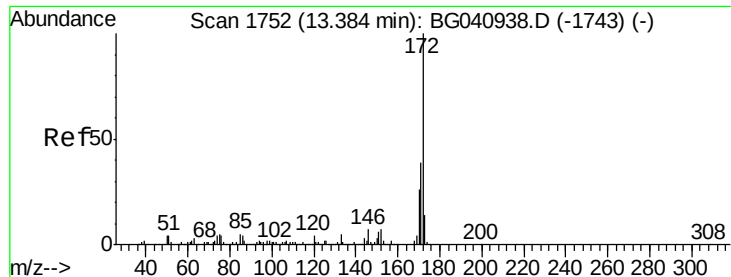
Abundance

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

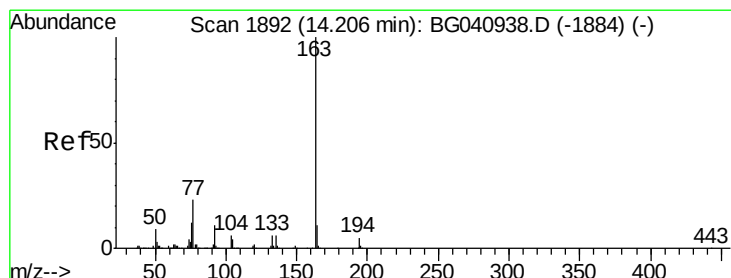
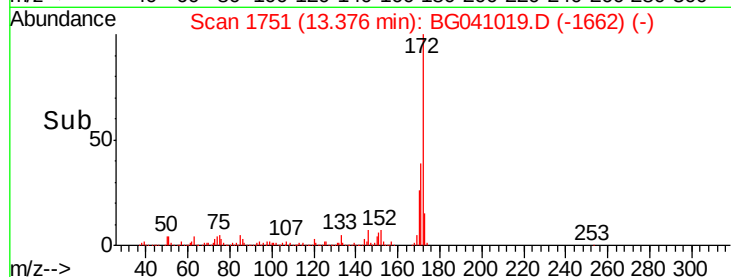
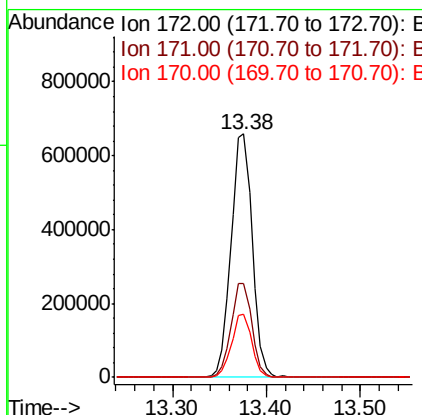
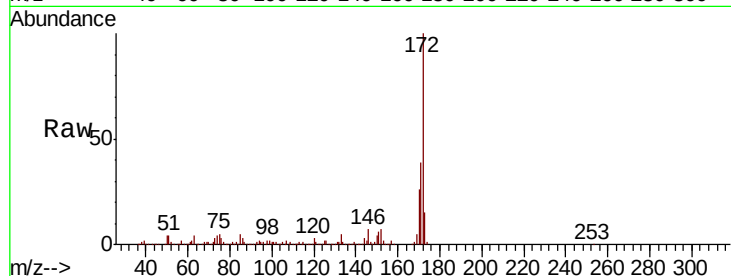




#45
2-Fluorobiphenyl
Concen: 84.931 ng
RT: 13.38 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG041019.D
Acq: 1 Jun 2019 19:21

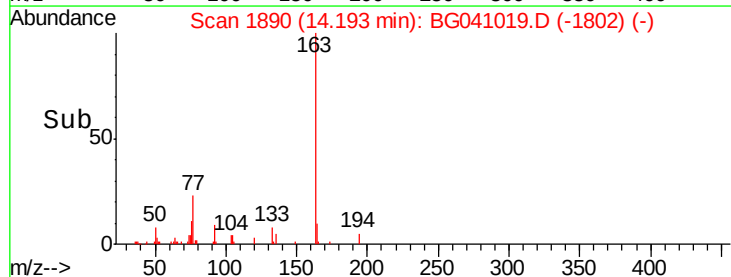
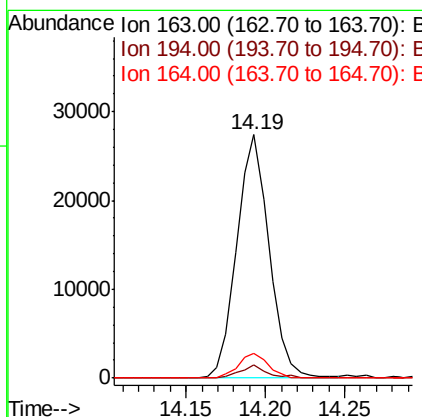
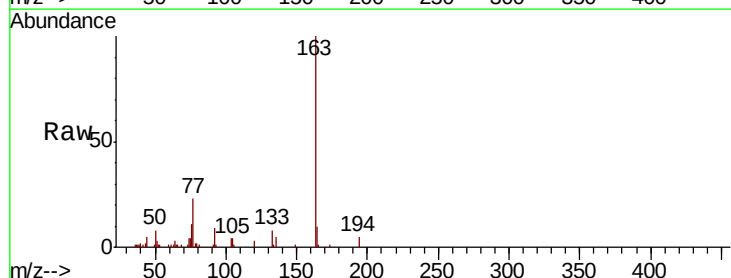
Instrument :
BNA_G
ClientSampled :

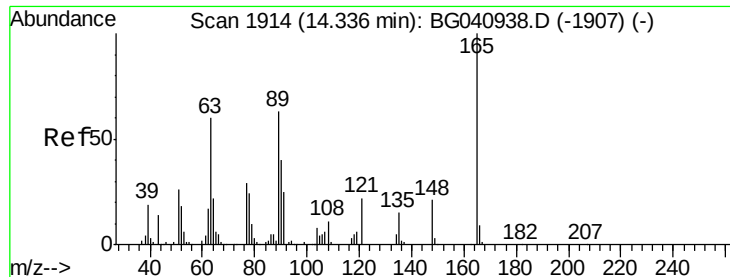
Tot Ion:172 Resp: 1034450
Ion Ratio Lower Upper
172 100
171 38.8 31.1 46.7
170 25.8 20.5 30.7



#50
Dimethylphthalate
Concen: 2.606 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG041019.D
Acq: 1 Jun 2019 19:21

Tgt Ion:163 Resp: 38690
Ion Ratio Lower Upper
163 100
194 5.3 3.8 5.8
164 10.1 8.7 13.1





#51

2,6-Dinitrotoluene

Concen: 7.020 ng

RT: 14.75 min Scan# 1985

Delta R.T. 0.42 min

Lab File: BG041019.D

Acq: 1 Jun 2019 19:21

Instrument :

BNA_G

ClientSampleId :

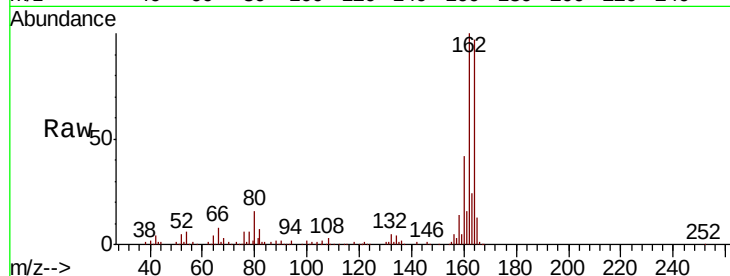
Tot Ion:165 Resp: 22474

Ion Ratio Lower Upper

165 100

63 1.5 53.6 80.4#

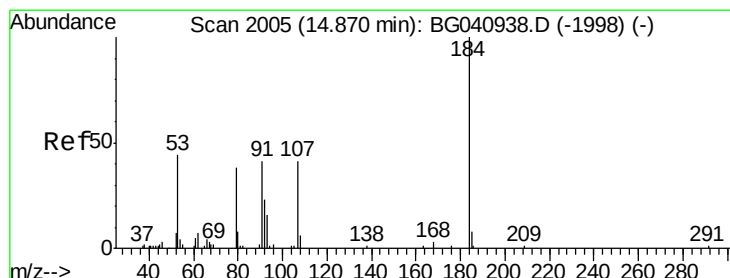
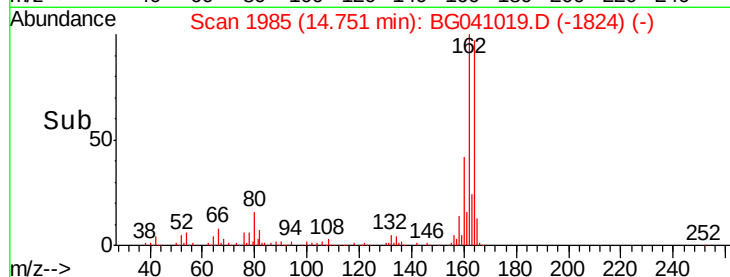
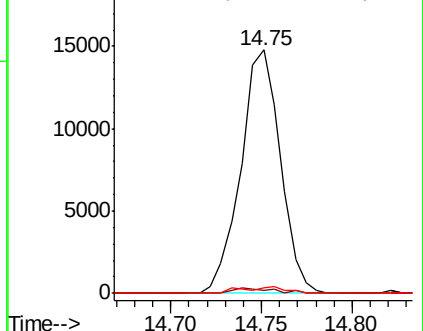
89 2.2 50.4 75.6#



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



#54

2,4-Dinitrophenol

Concen: 8.290 ng

RT: 15.23 min Scan# 2066

Delta R.T. 0.36 min

Lab File: BG041019.D

Acq: 1 Jun 2019 19:21

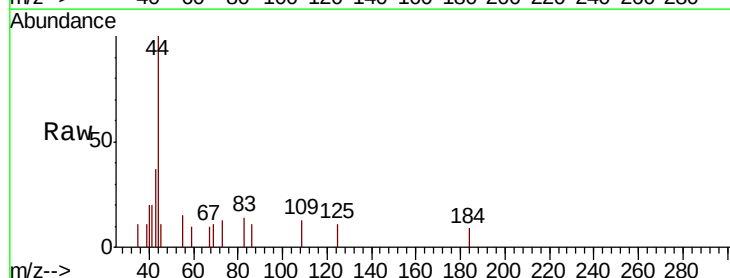
Tgt Ion:184 Resp: 53

Ion Ratio Lower Upper

184 100

63 0.0 49.8 74.6#

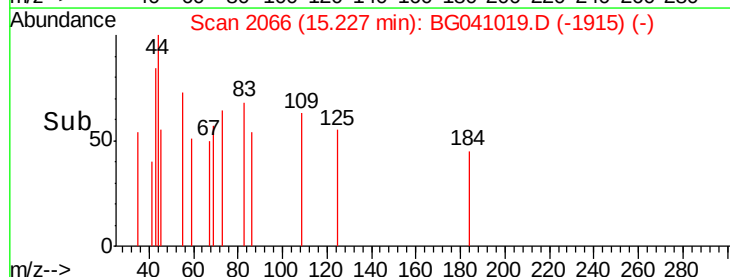
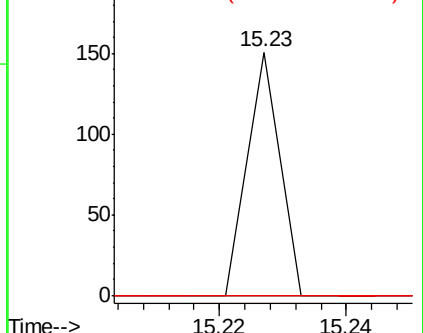
154 0.0 52.2 78.4#

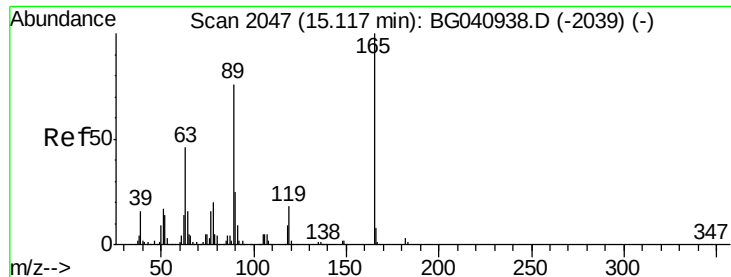


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 4.970 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.37 min

Lab File: BG041019.D

Acq: 1 Jun 2019 19:21

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 22474

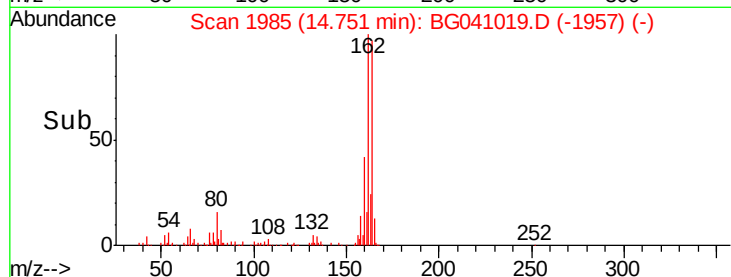
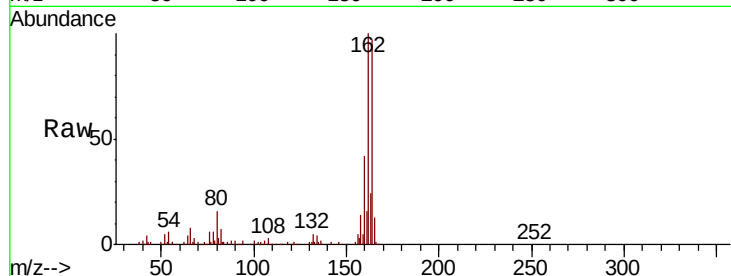
Ion Ratio Lower Upper

165 100

63 1.5 37.3 55.9#

89 2.2 61.0 91.6#

182 0.0 2.2 3.2#

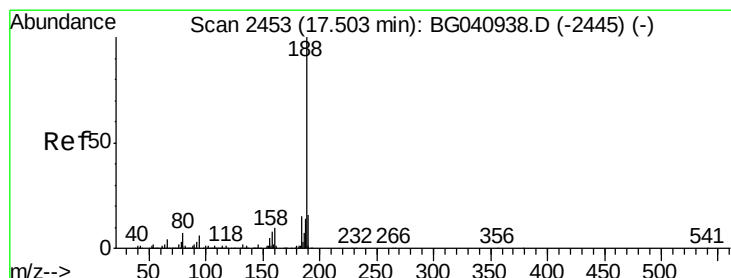
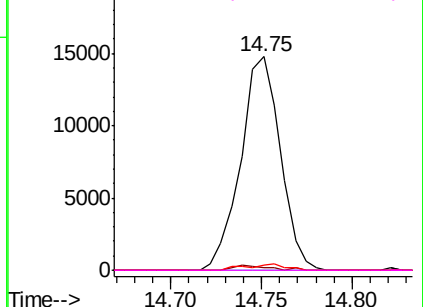


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.49 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG041019.D

Acq: 1 Jun 2019 19:21

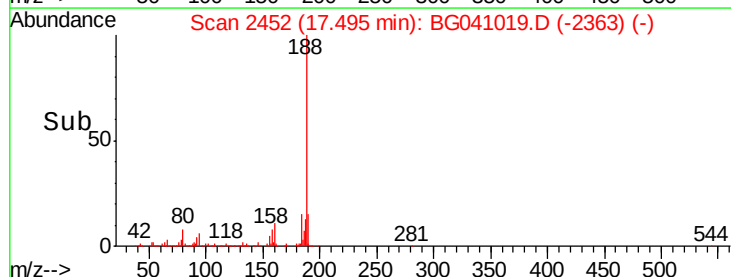
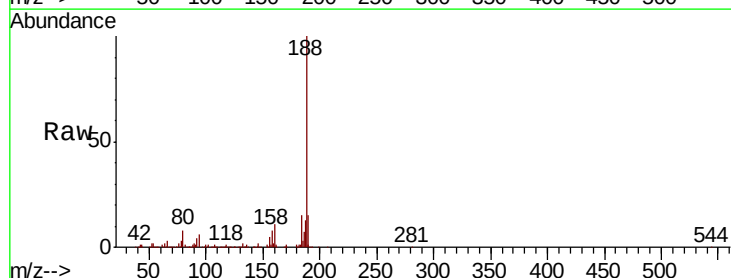
Tgt Ion:188 Resp: 422266

Ion Ratio Lower Upper

188 100

94 5.7 4.7 7.1

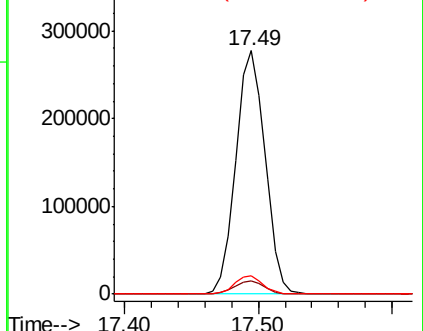
80 7.7 5.8 8.8

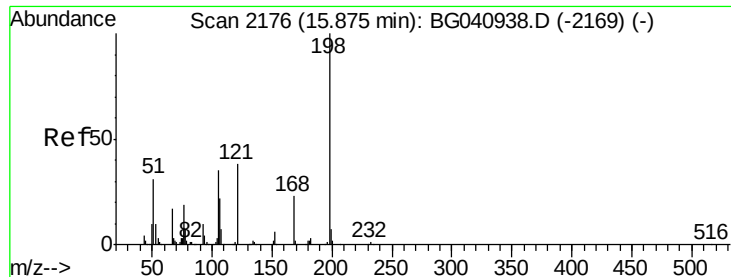


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

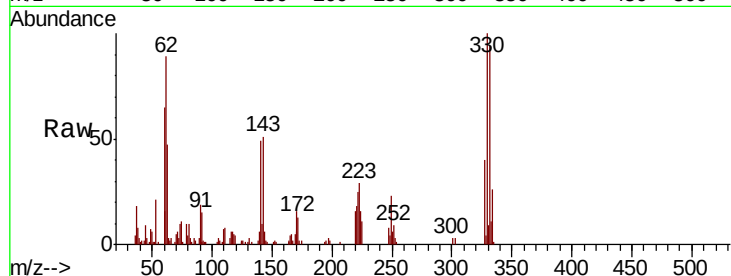




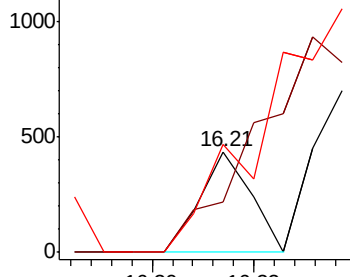
#65
4,6-Dinitro-2-methylphenol
Concen: 8.698 ng
RT: 16.21 min Scan# 2234
Delta R.T. 0.34 min
Lab File: BG041019.D
Acq: 1 Jun 2019 19:21

Instrument :
BNA_G
ClientSampled :

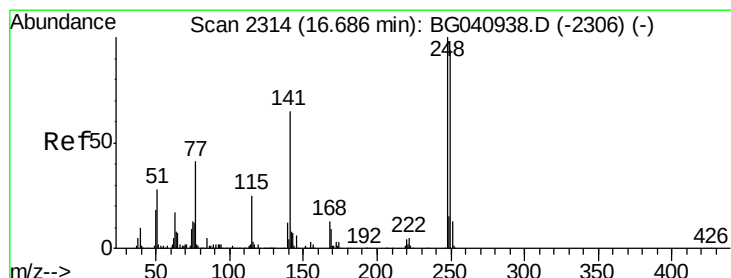
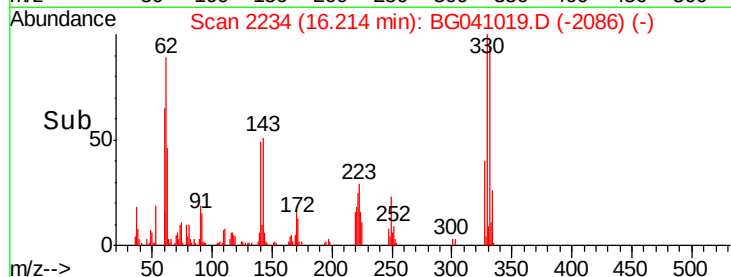
Tot Ion:198 Resp: 300
Ion Ratio Lower Upper
198 100
51 49.5 21.6 61.6
105 106.9 17.5 57.5#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG0
Ion 105.00 (104.70 to 105.70): E

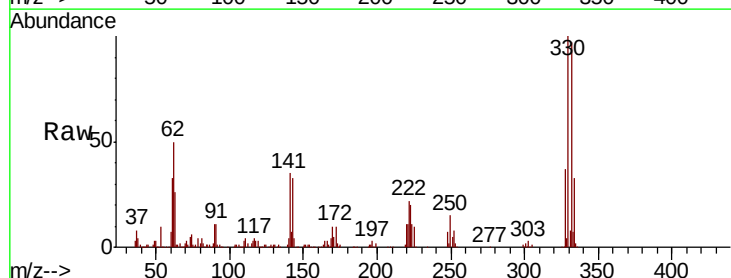


Time-->

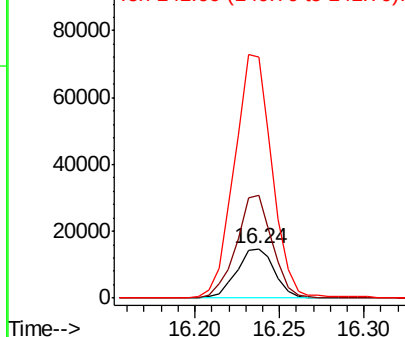


#67
4-Bromophenyl-phenylether
Concen: 4.029 ng
RT: 16.24 min Scan# 2238
Delta R.T. -0.45 min
Lab File: BG041019.D
Acq: 1 Jun 2019 19:21

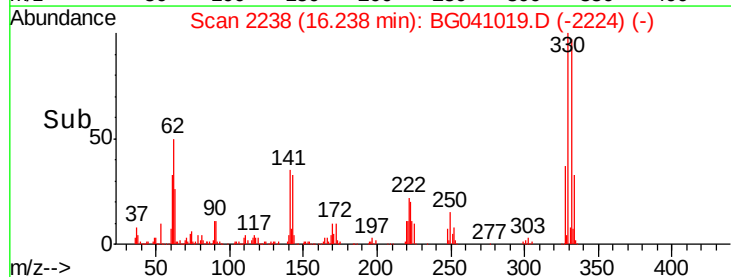
Tgt Ion:248 Resp: 22959
Ion Ratio Lower Upper
248 100
250 207.9 75.0 112.4#
141 488.2 52.4 78.6#

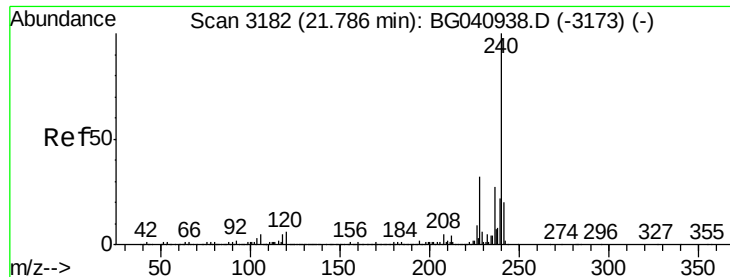


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BG041019.D

Acq: 1 Jun 2019 19:21

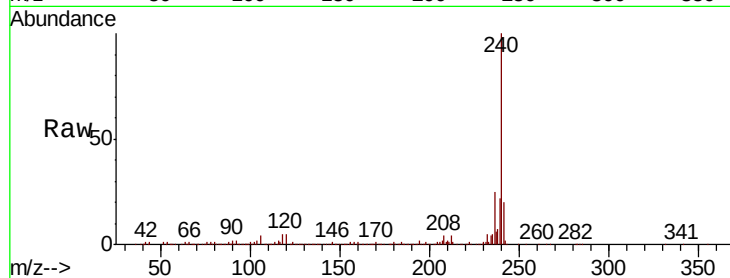
Instrument :

BNA_G

ClientSampleId :

Tot Ion:240 Resp: 429996

Ion	Ratio	Lower	Upper
240	100		
120	5.2	4.5	6.7
236	25.2	21.3	31.9

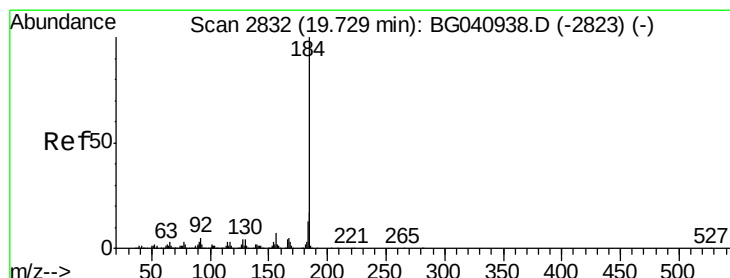
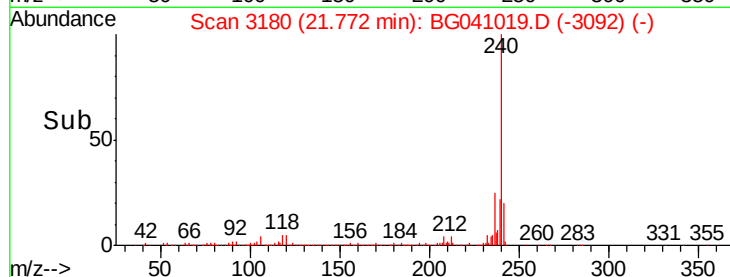
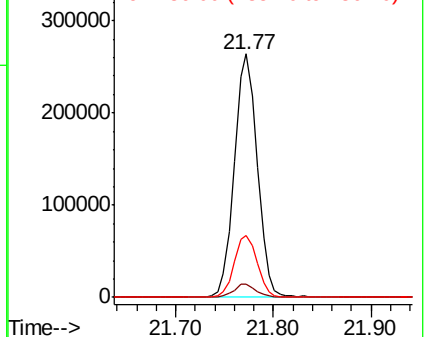


Abundance

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: 2.967 ng

RT: 20.09 min Scan# 2893

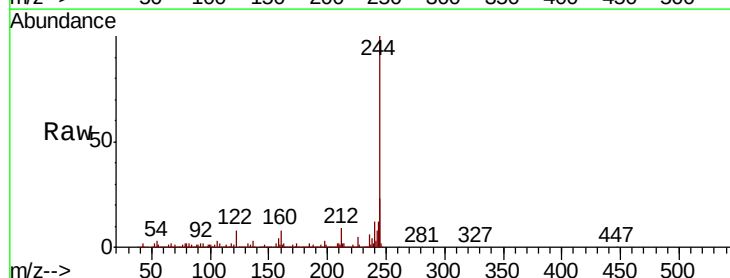
Delta R.T. 0.36 min

Lab File: BG041019.D

Acq: 1 Jun 2019 19:21

Tgt Ion:184 Resp: 30437

Ion	Ratio	Lower	Upper
184	100		
185	16.0	13.3	19.9
183	9.7	10.7	16.1#

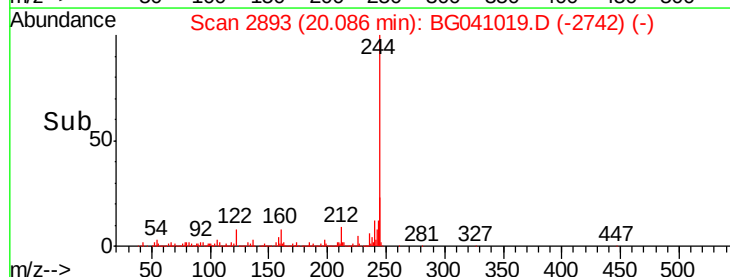
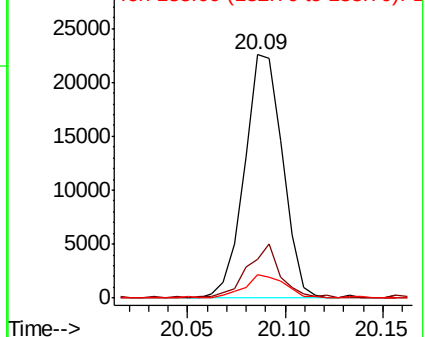


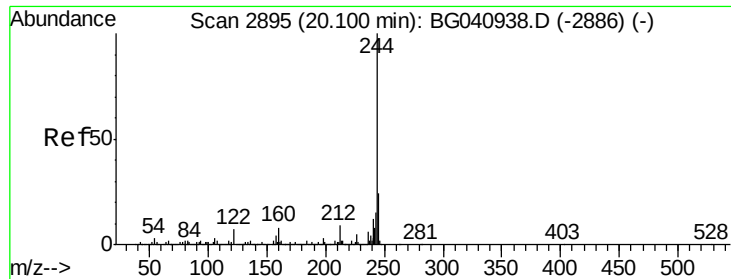
Abundance

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: 83.972 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041019.D

Acq: 1 Jun 2019 19:21

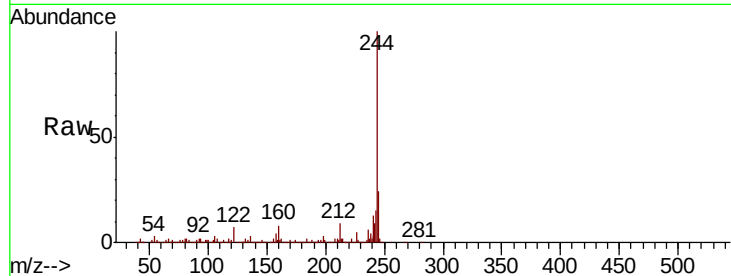
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1701315

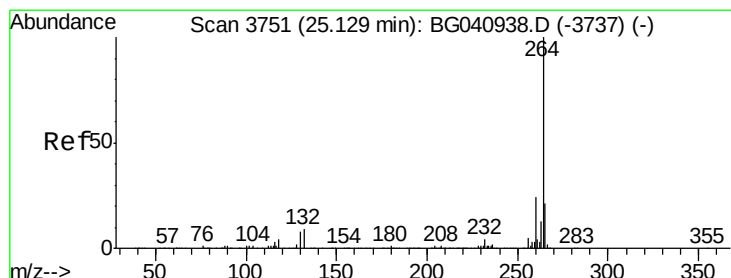
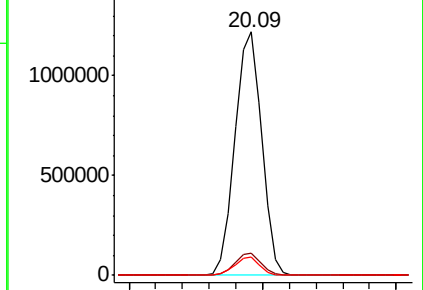
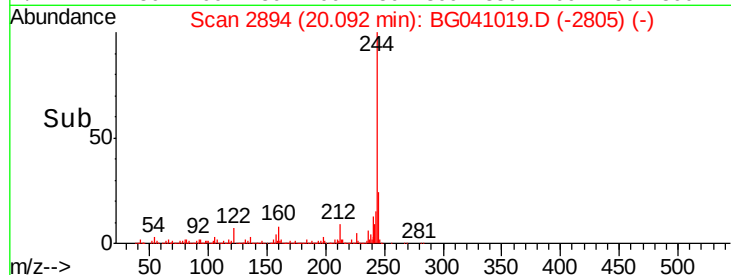
Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.0	10.4
122	7.3	5.4	8.0



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: 25.11 min Scan# 3748

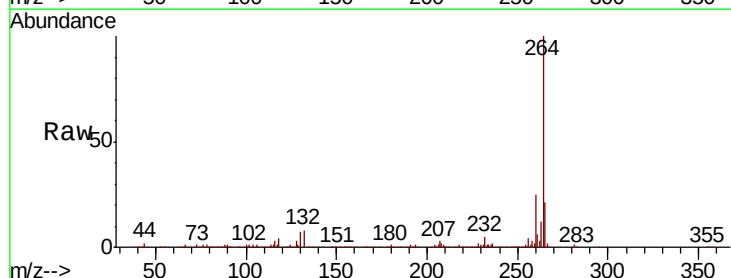
Delta R.T. -0.02 min

Lab File: BG041019.D

Acq: 1 Jun 2019 19:21

Tgt Ion:264 Resp: 449491

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.4
265	20.9	17.0	25.4



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

