

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071819\
 Data File : BG041712.D
 Acq On : 18 Jul 2019 16:30
 Operator : HP/JU
 Sample : K3835-45
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 18 18:09:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	115562	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	470689	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	290121	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	701101	20.00	ng	-0.01
76) Chrysene-d12	21.65	240	693026	20.00	ng	-0.02
87) Perylene-d12	24.84	264	792283	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	562200	79.53	ng	0.00
7) Phenol-d6	7.20	99	777582	81.78	ng	0.00
23) Nitrobenzene-d5	9.20	82	465793	60.18	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	308943	94.49	ng	-0.01
45) 2-Fluorobiphenyl	13.29	172	1110919	59.29	ng	-0.01
79) Terphenyl-d14	20.00	244	1651720	55.70	ng	-0.01

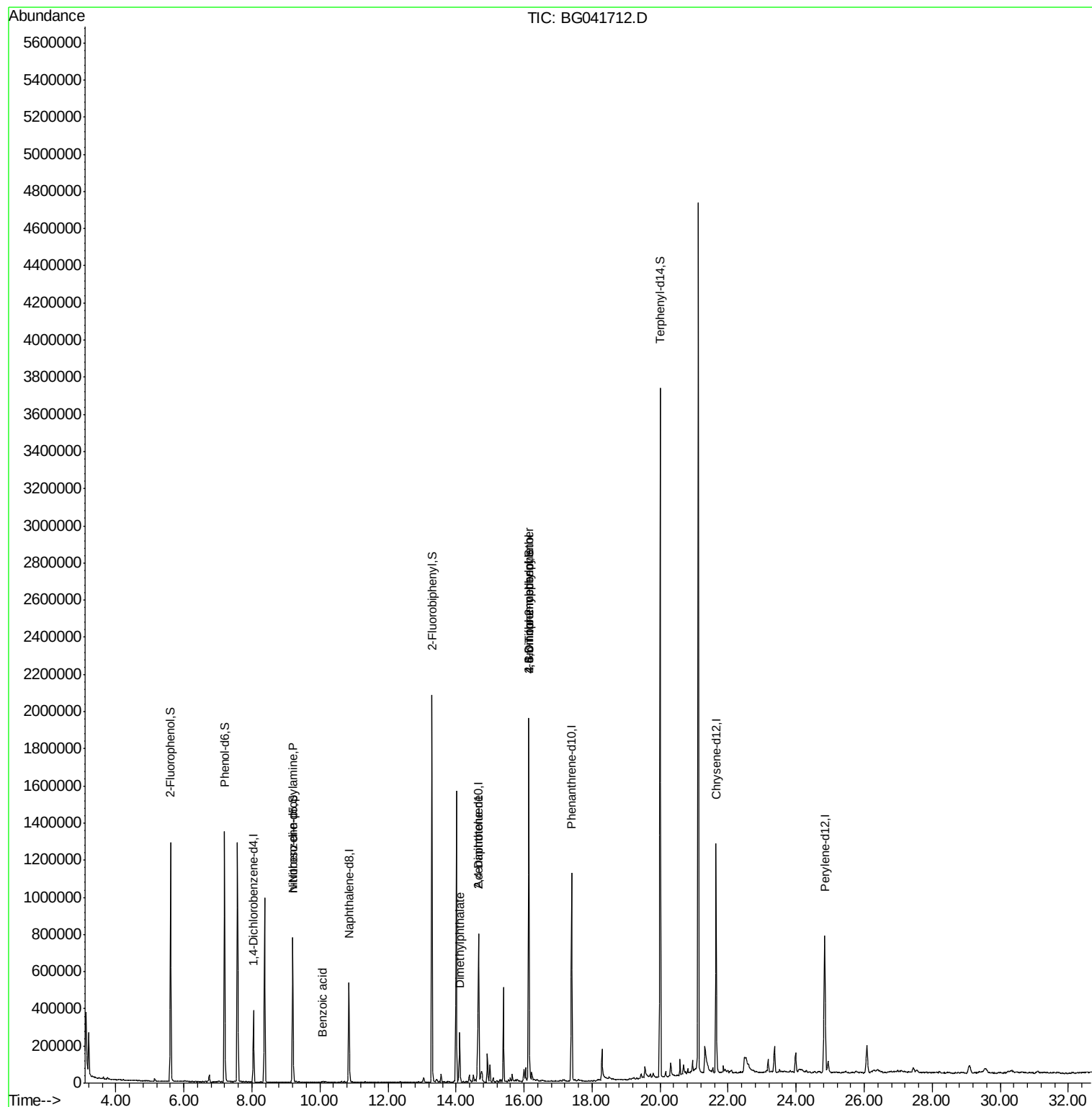
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	1939	Below Cal	#	27
19) n-Nitroso-di-n-propylamine	9.20	70	61840	8.898	ng	# 72
32) Benzoic acid	10.07	122	2141	6.380	ng	# 85
50) Dimethylphthalate	14.11	163	184946	8.117	ng	# 94
57) 2,4-Dinitrotoluene	14.66	165	38944	6.096	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.14	198	1054	6.947	ng	# 1
67) 4-Bromophenyl-phenylether	16.14	248	23193	2.780	ng	# 1
77) Benzidine	20.00	184	26465	Below Cal	#	93

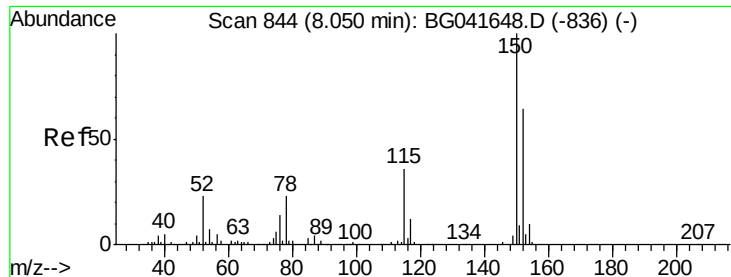
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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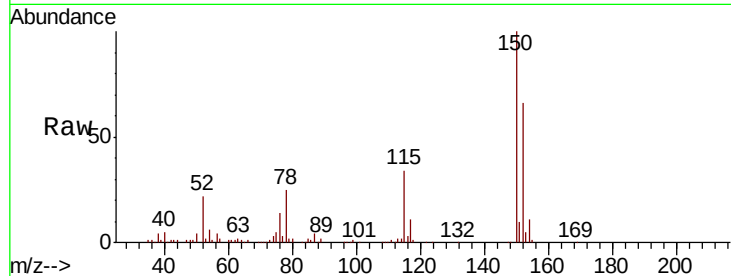


#1

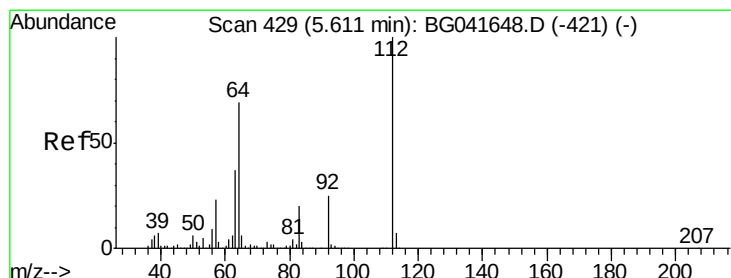
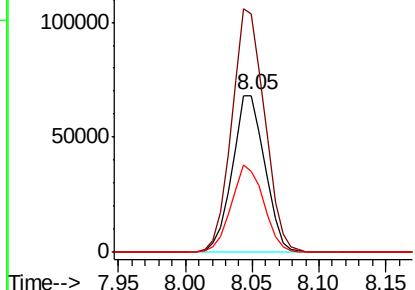
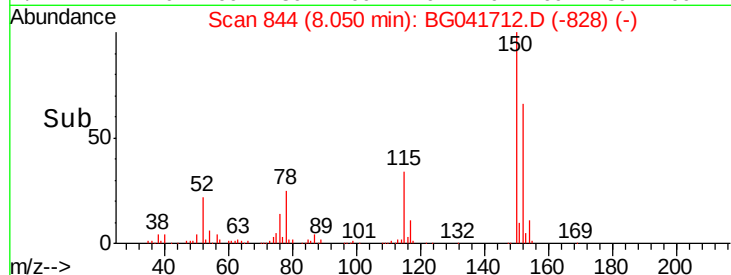
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG041712.D
Acq: 18 Jul 2019 16:30

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	126.9	190.3
115	51.4	45.0	67.6



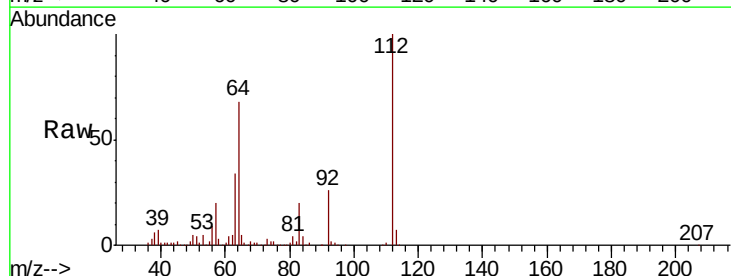
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



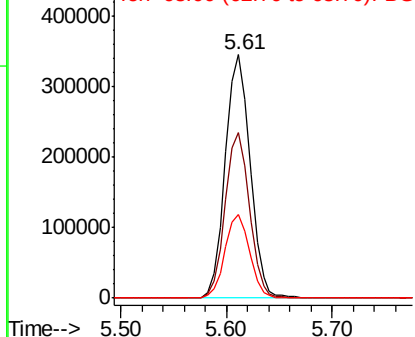
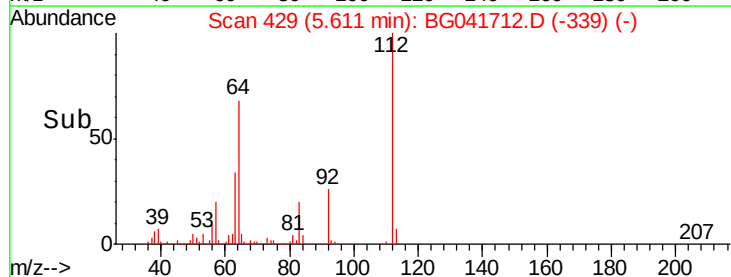
#5

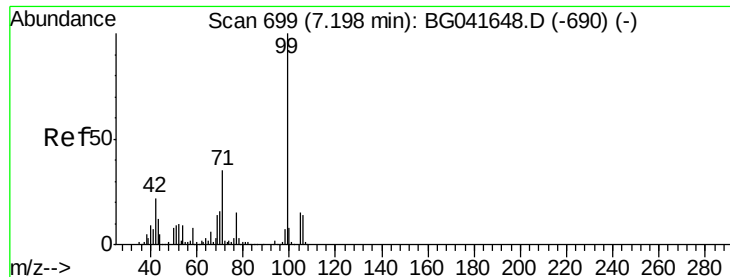
2-Fluorophenol
Concen: 79.529 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG041712.D
Acq: 18 Jul 2019 16:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	55.4	83.2
63	34.4	29.1	43.7



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: 81.780 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG041712.D

Acq: 18 Jul 2019 16:30

Instrument :

BNA_G

ClientSampleId :

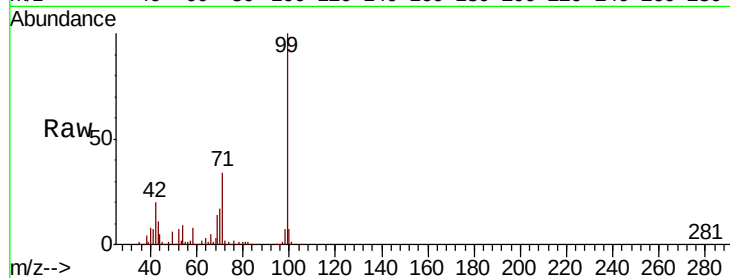
Tot Ion: 99 Resp: 777582

Ion Ratio Lower Upper

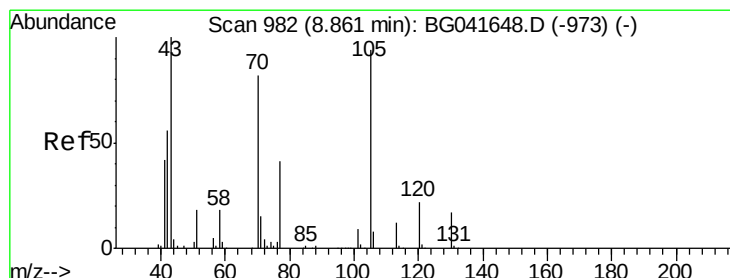
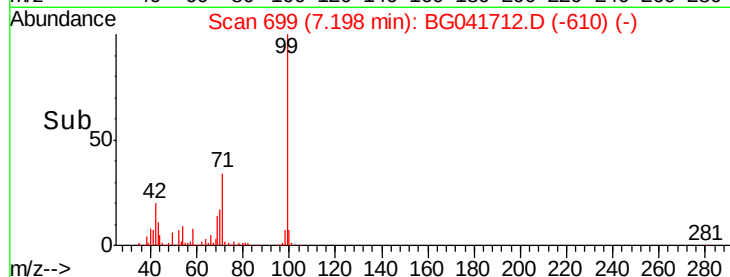
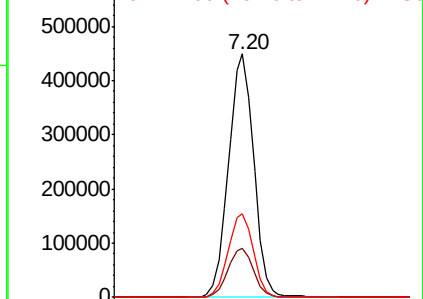
99 100

42 20.0 17.6 26.4

71 34.2 27.8 41.6



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: 8.898 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG041712.D

Acq: 18 Jul 2019 16:30

Tgt Ion: 70 Resp: 61840

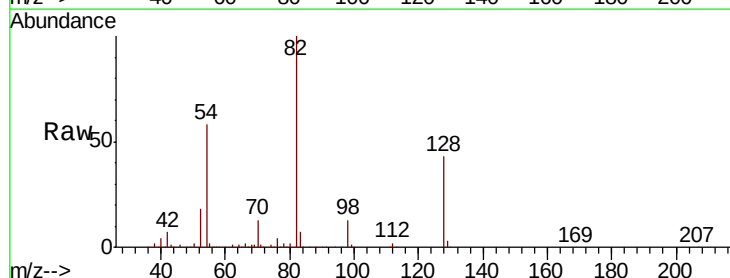
Ion Ratio Lower Upper

70 100

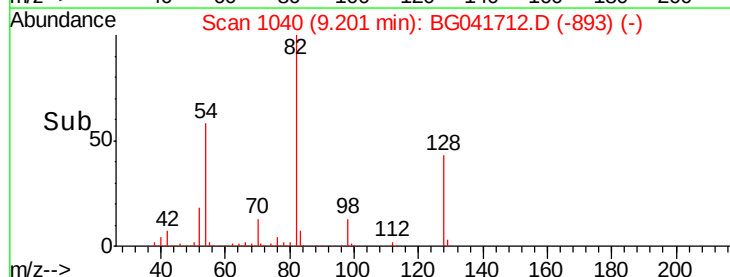
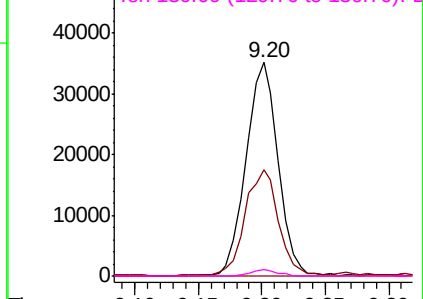
42 50.0 55.8 83.6#

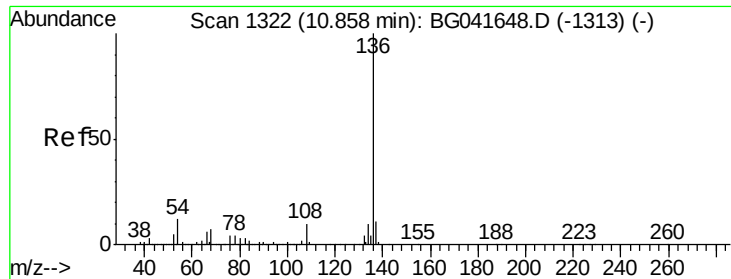
101 0.0 8.1 12.1#

130 2.8 17.3 25.9#



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

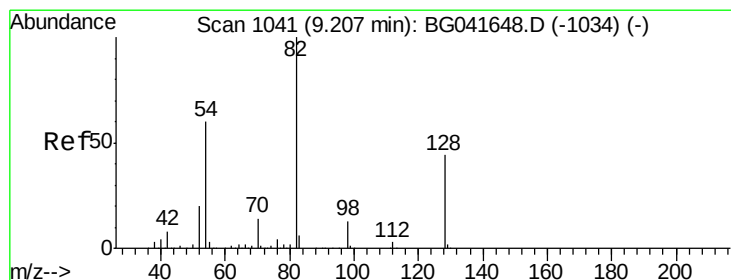
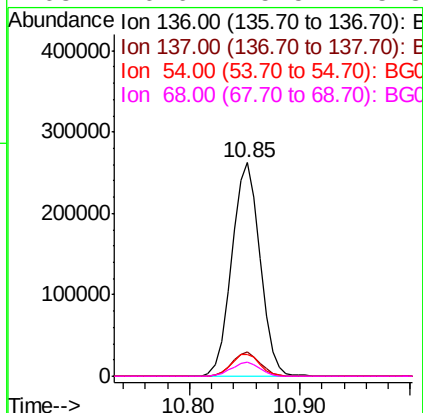
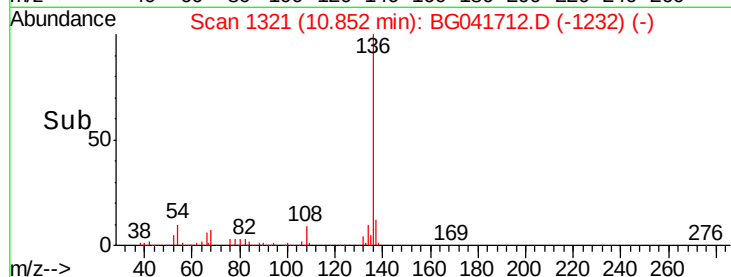
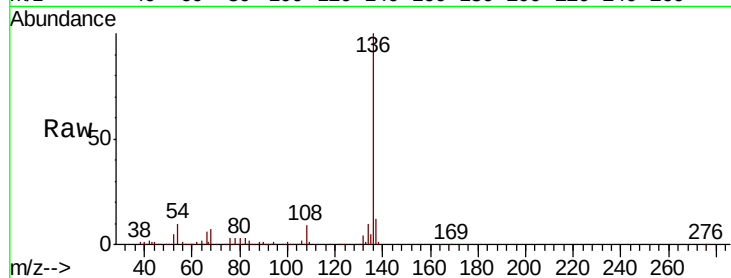




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BG041712.D
Acq: 18 Jul 2019 16:30

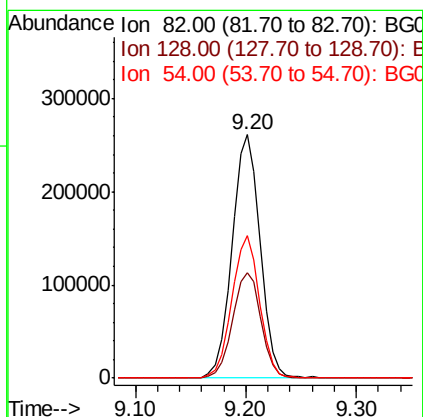
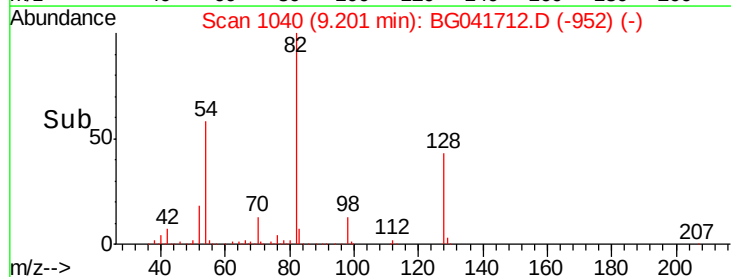
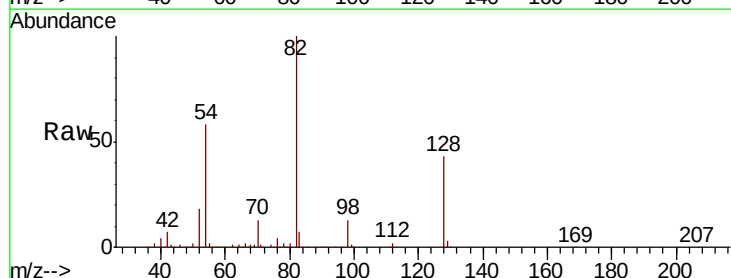
Instrument :
BNA_G
ClientSampleId :

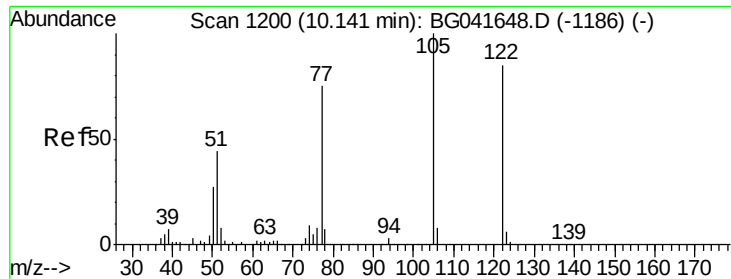
Tot Ion:136	Resp:	470689
Ion	Ratio	Lower Upper
136	100	
137	11.6	9.2 13.8
54	10.2	8.7 13.1
68	6.6	5.5 8.3



#23
Nitrobenzene-d5
Concen: 60.182 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG041712.D
Acq: 18 Jul 2019 16:30

Tgt Ion: 82	Resp:	465793
Ion	Ratio	Lower Upper
82	100	
128	43.3	35.1 52.7
54	58.3	48.7 73.1

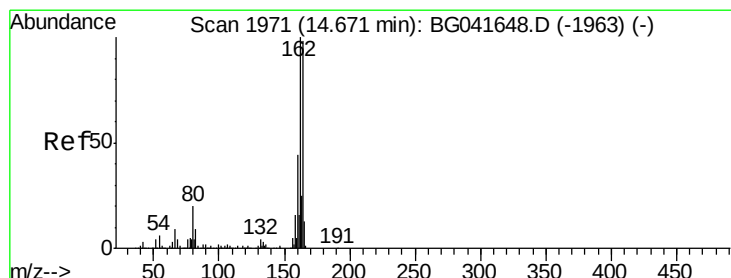
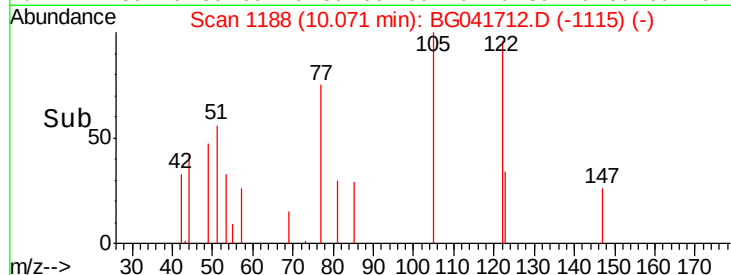
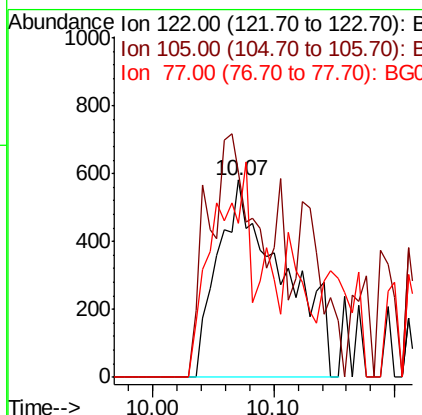
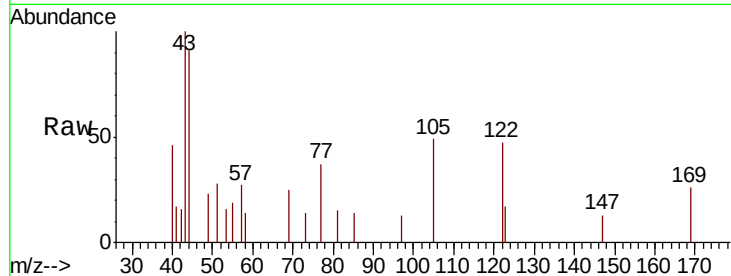




#32
Benzoic acid
Concen: 6.380 ng
RT: 10.07 min Scan# 1188
Delta R.T. -0.10 min
Lab File: BG041712.D
Acq: 18 Jul 2019 16:30

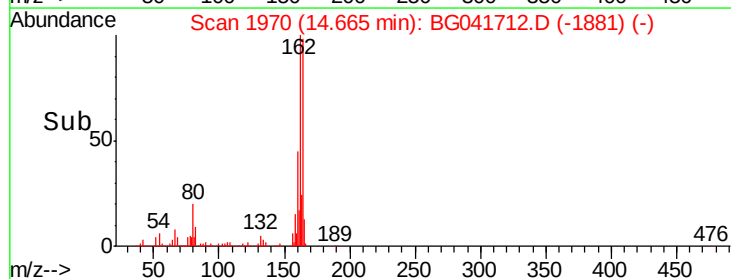
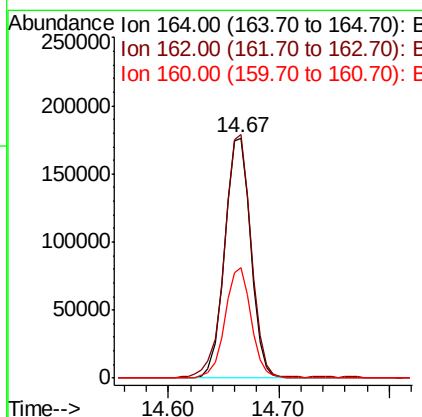
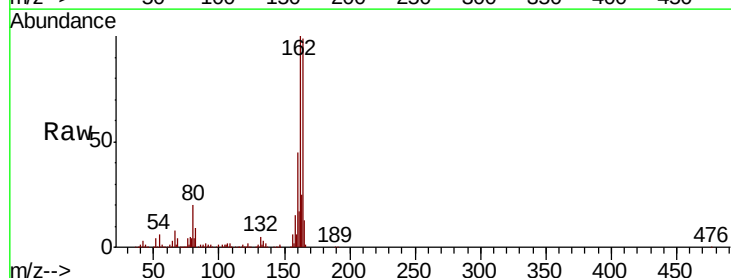
Instrument :
BNA_G
ClientSampled :

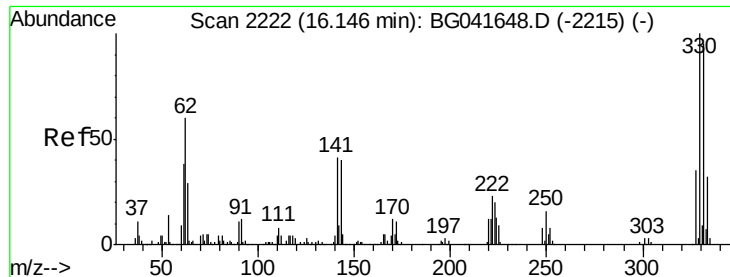
Tot Ion:122 Resp: 2141
Ion Ratio Lower Upper
122 100
105 104.5 101.5 141.5
77 78.4 73.0 113.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG041712.D
Acq: 18 Jul 2019 16:30

Tgt Ion:164 Resp: 290121
Ion Ratio Lower Upper
164 100
162 101.5 79.6 119.4
160 46.2 35.4 53.0

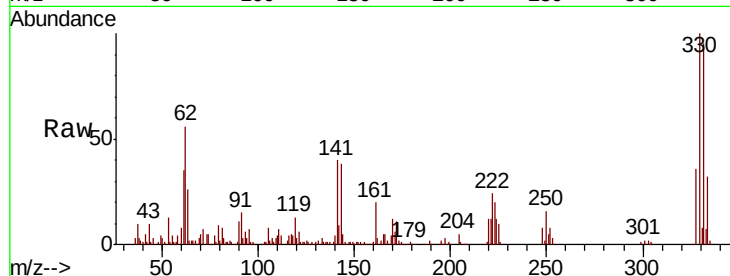




#42
 2,4,6-Tribromophenol
 Concen: 94.489 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG041712.D
 Acq: 18 Jul 2019 16:30

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	330	332	141
Resp:	308943		
Ion Ratio	100	95.6	38.1
Lower		77.4	31.9
Upper		116.0	47.9

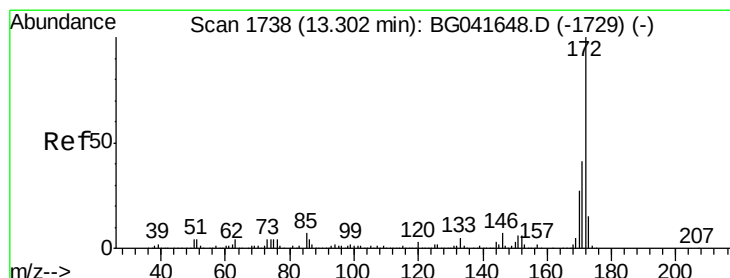
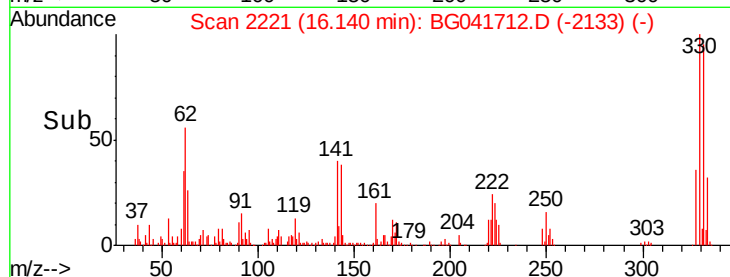
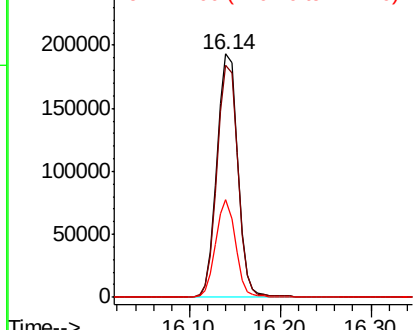


Abundance

Ion 329.80 (329.50 to 330.50): E

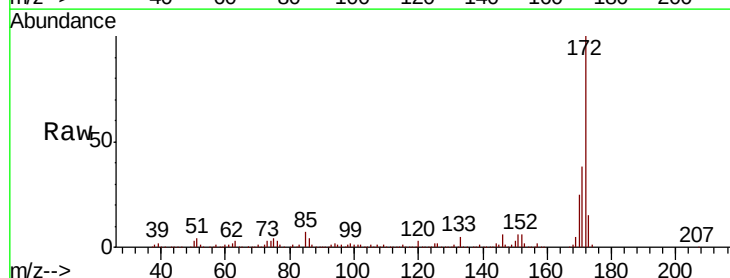
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 59.294 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.01 min
 Lab File: BG041712.D
 Acq: 18 Jul 2019 16:30

Tgt Ion	172	171	170
Resp:	1110919		
Ion Ratio	100	38.5	25.3
Lower		35.0	23.5
Upper		52.4	35.3

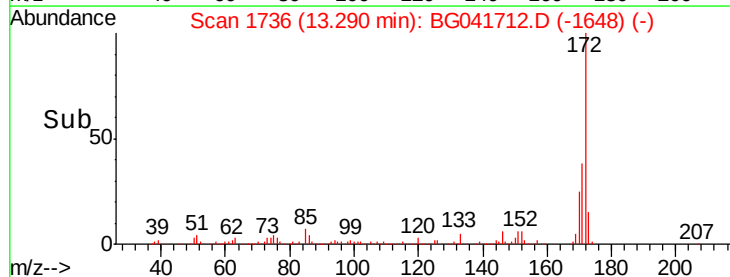
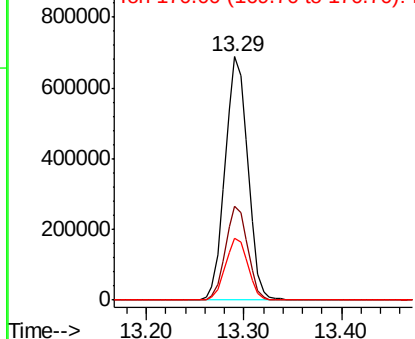


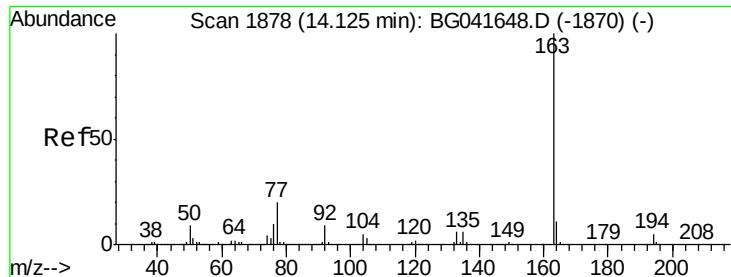
Abundance

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

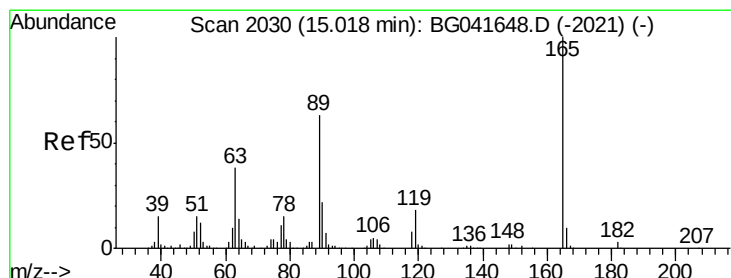
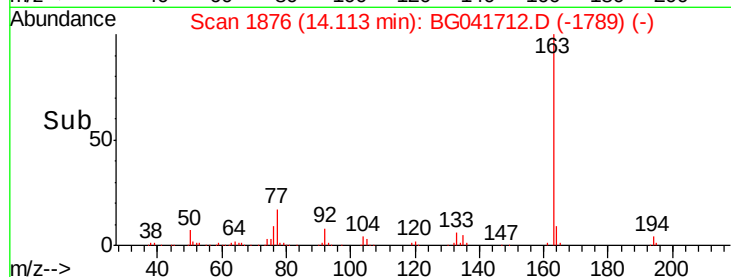
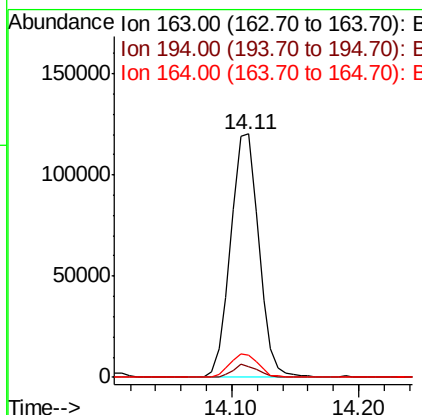
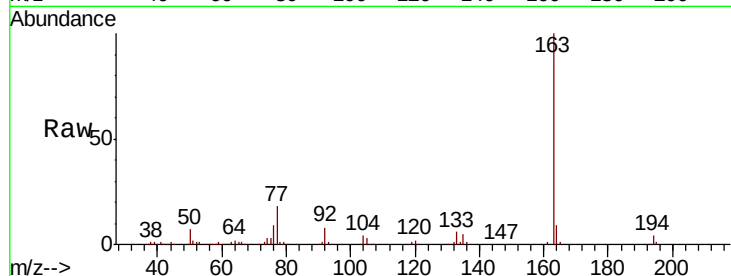




#50
Dimethylphthalate
Concen: 8.117 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG041712.D
Acq: 18 Jul 2019 16:30

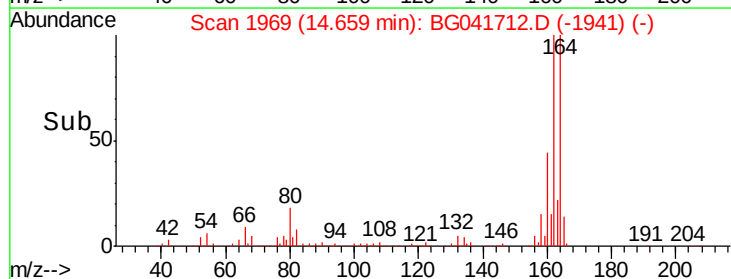
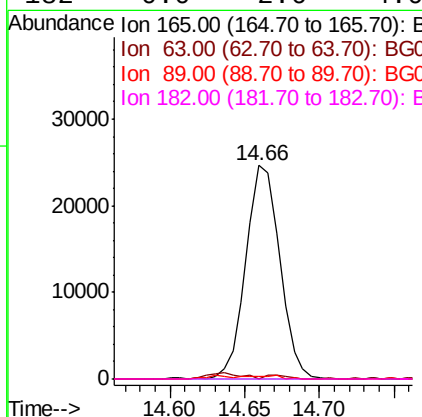
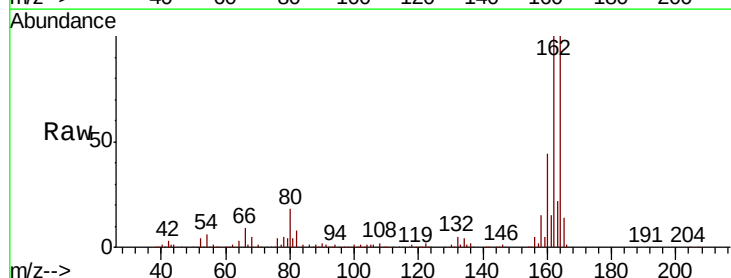
Instrument :
BNA_G
ClientSampleId :

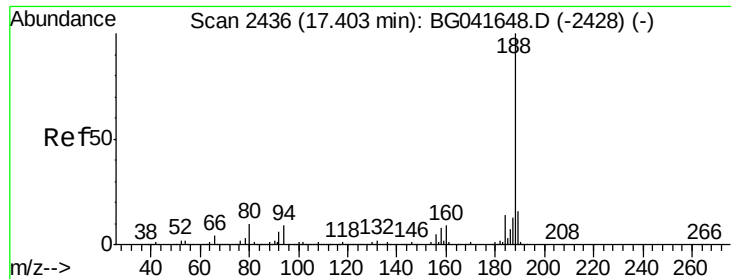
Tot Ion:163 Resp: 184946
Ion Ratio Lower Upper
163 100
194 4.1 4.2 6.2#
164 9.2 9.4 14.2#



#57
2,4-Dinitrotoluene
Concen: 6.096 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.36 min
Lab File: BG041712.D
Acq: 18 Jul 2019 16:30

Tgt Ion:165 Resp: 38944
Ion Ratio Lower Upper
165 100
63 0.0 31.7 47.5#
89 1.2 50.2 75.4#
182 0.0 2.6 4.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG041712.D

Acq: 18 Jul 2019 16:30

Instrument :

BNA_G

ClientSampleId :

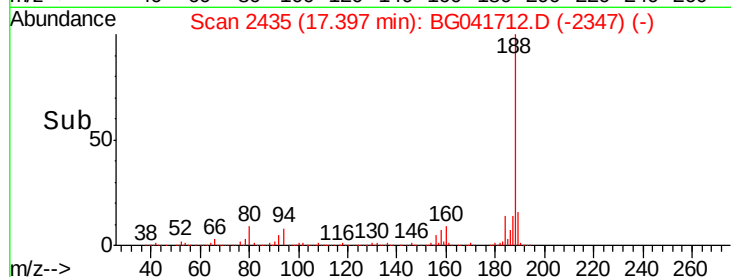
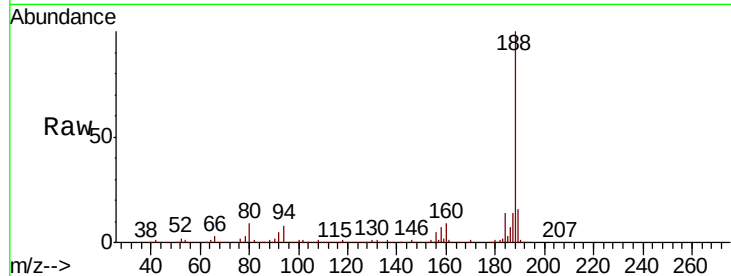
Tot Ion:188 Resp: 701101

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

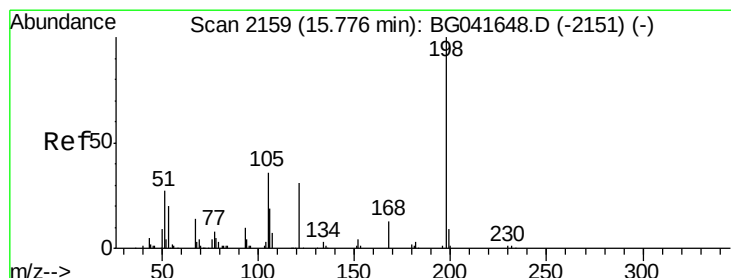
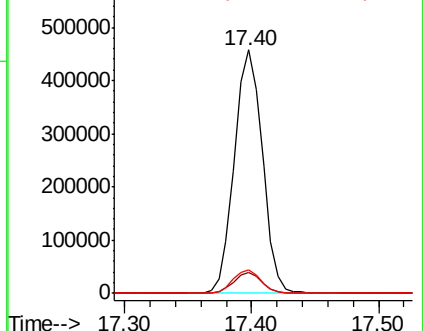
80 9.4 8.0 12.0



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.947 ng

RT: 16.14 min Scan# 2221

Delta R.T. 0.36 min

Lab File: BG041712.D

Acq: 18 Jul 2019 16:30

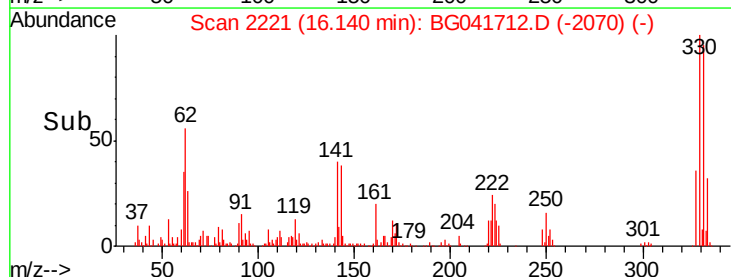
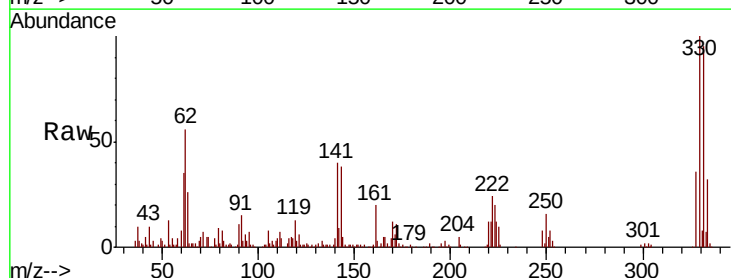
Tgt Ion:198 Resp: 1054

Ion Ratio Lower Upper

198 100

51 203.5 22.3 62.3#

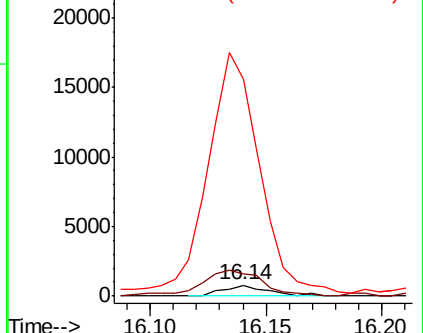
105 1945.1 18.0 58.0#

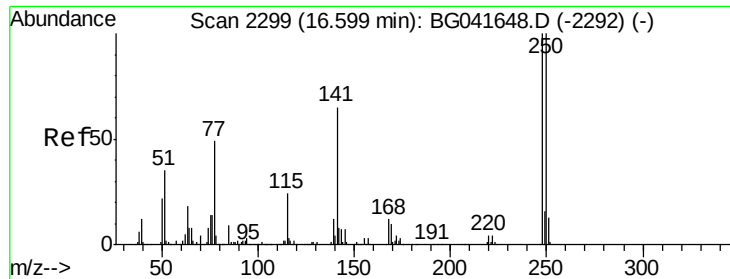


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

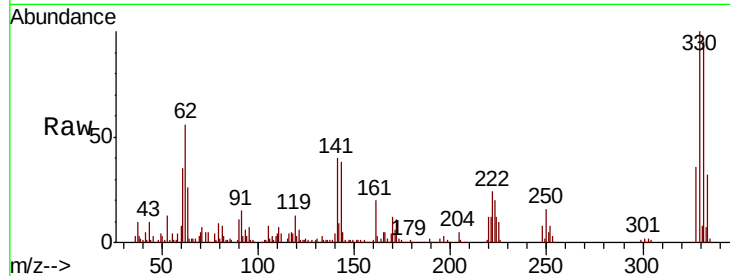




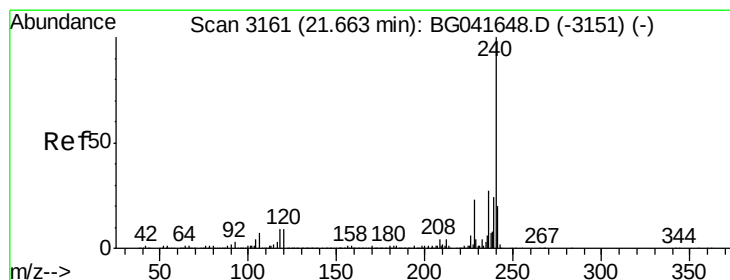
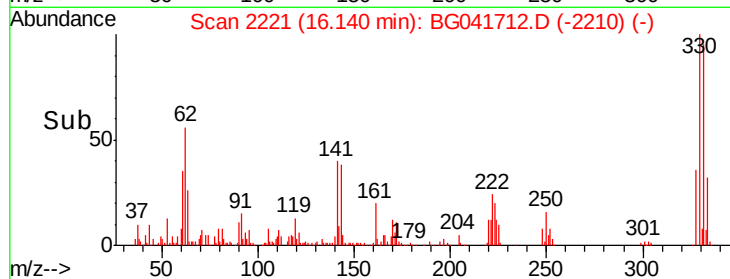
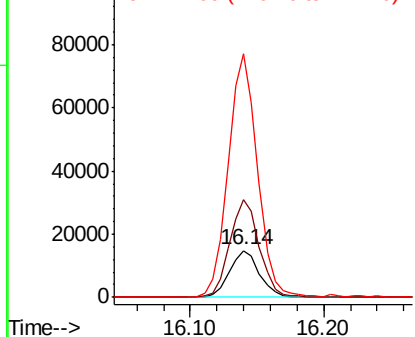
#67
 4-Bromophenyl-phenylether
 Concen: 2.780 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.46 min
 Lab File: BG041712.D
 Acq: 18 Jul 2019 16:30

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 23193
 Ion Ratio Lower Upper
 248 100
 250 210.1 78.1 117.1#
 141 523.8 49.6 74.4#

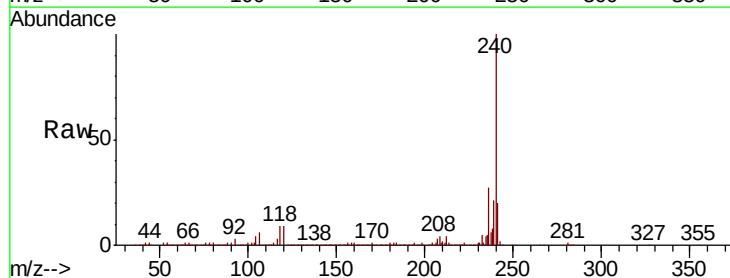


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

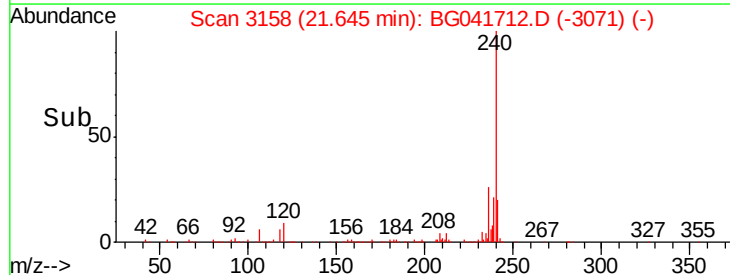
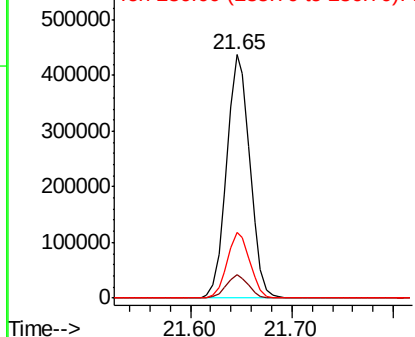


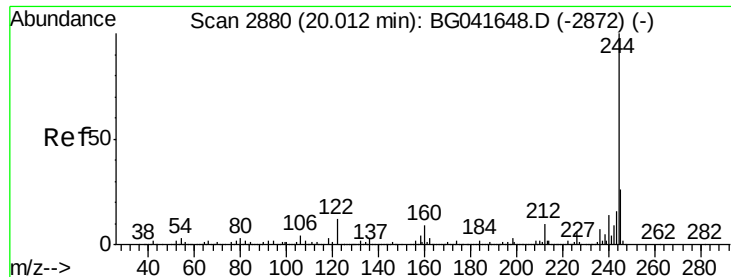
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3158
 Delta R.T. -0.02 min
 Lab File: BG041712.D
 Acq: 18 Jul 2019 16:30

Tgt Ion:240 Resp: 693026
 Ion Ratio Lower Upper
 240 100
 120 9.4 8.0 12.0
 236 26.8 22.6 33.8



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





#79

Terphenyl-d14

Concen: 55.696 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG041712.D

Acq: 18 Jul 2019 16:30

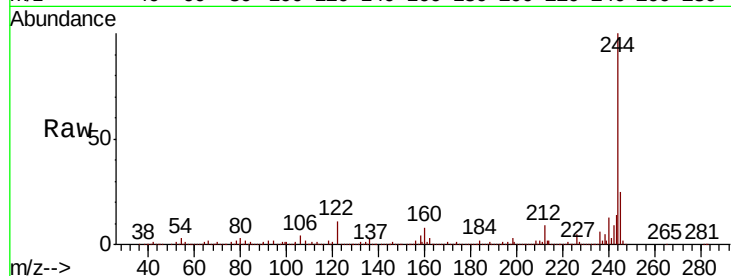
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1651720

Ion	Ratio	Lower	Upper
244	100		
212	9.0	9.7	14.5#
122	11.2	12.5	18.7#

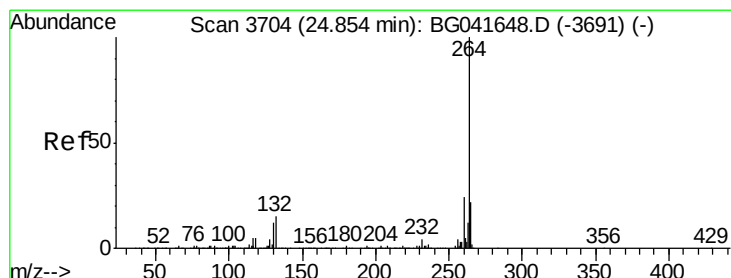
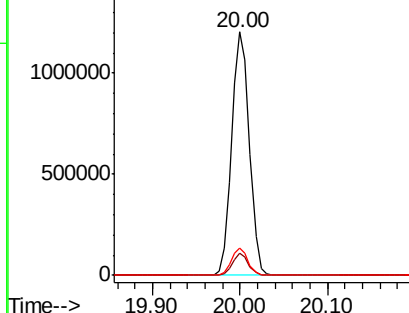
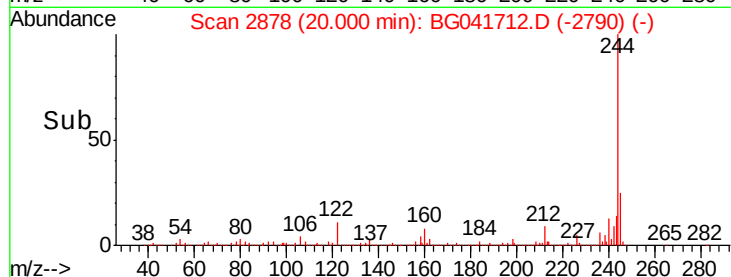


Abundance

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: 24.84 min Scan# 3701

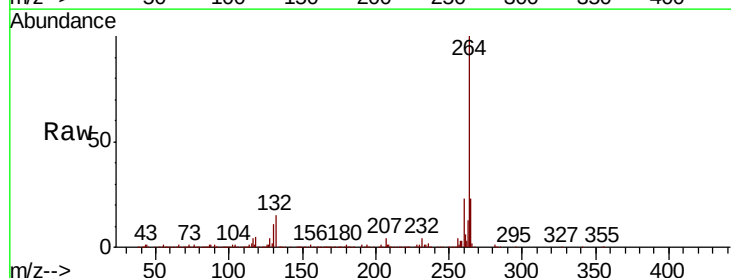
Delta R.T. -0.03 min

Lab File: BG041712.D

Acq: 18 Jul 2019 16:30

Tgt Ion:264 Resp: 792283

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	22.5	18.0	27.0



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

