

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040319\
 Data File : BG040354.D
 Acq On : 4 Apr 2019 10:35
 Operator : JU/SJ
 Sample : K2187-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 04 11:24:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

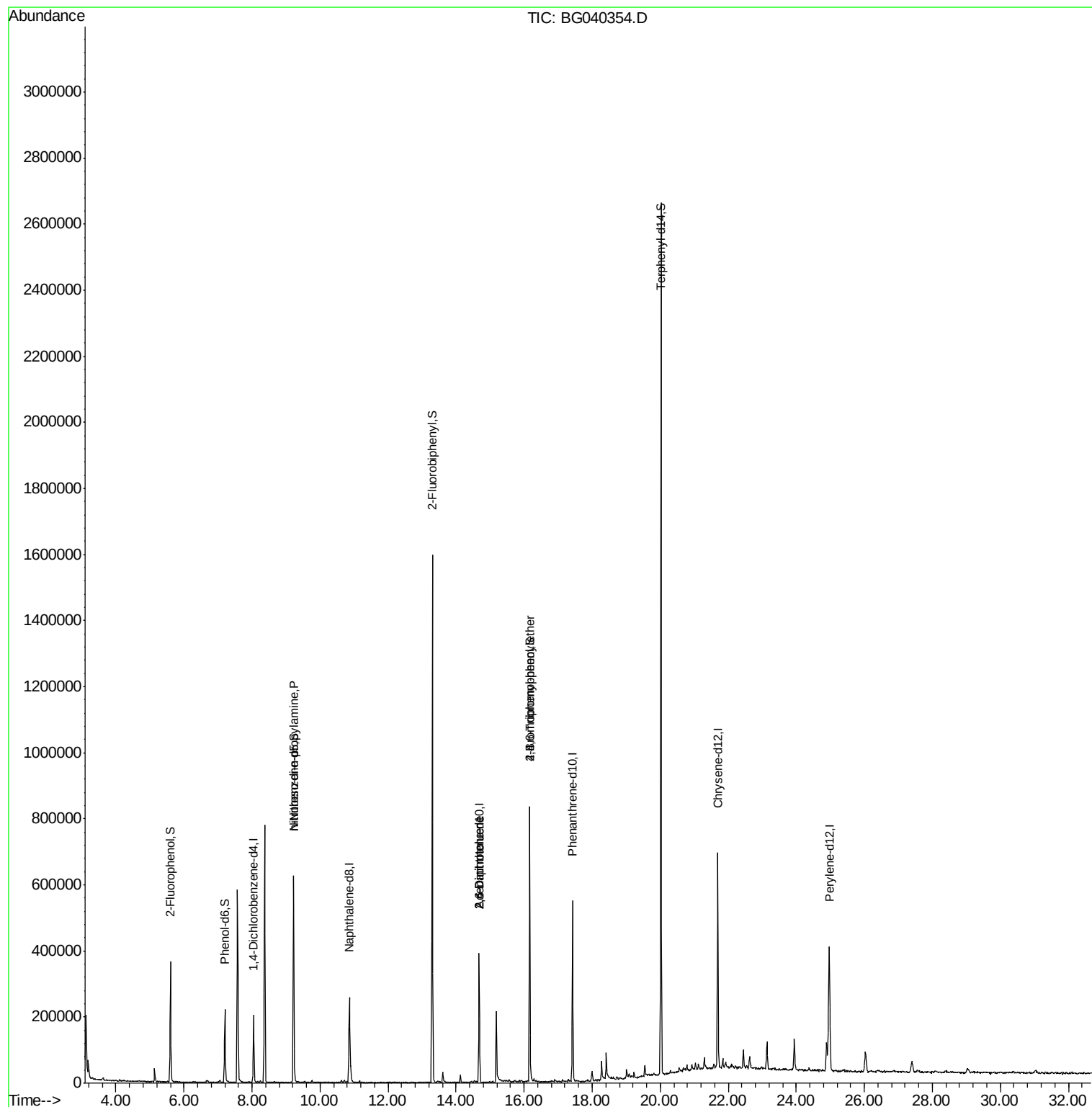
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	59441	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	238977	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	142518	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	339711	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	389468	20.00	ng	-0.04
87) Perylene-d12	24.97	264	402886	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	163148	45.63	ng	-0.02
7) Phenol-d6	7.20	99	139002	28.13	ng	-0.02
23) Nitrobenzene-d5	9.22	82	387838	86.26	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	151842	98.58	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	864474	89.88	ng	-0.02
79) Terphenyl-d14	20.02	244	1255028	72.49	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	49367	13.934	ng	# 71
51) 2,6-Dinitrotoluene	14.68	165	19053	7.608	ng	# 25
57) 2,4-Dinitrotoluene	14.68	165	19053	5.475	ng	# 25
67) 4-Bromophenyl-phenylether	16.17	248	11385	2.978	ng	# 1

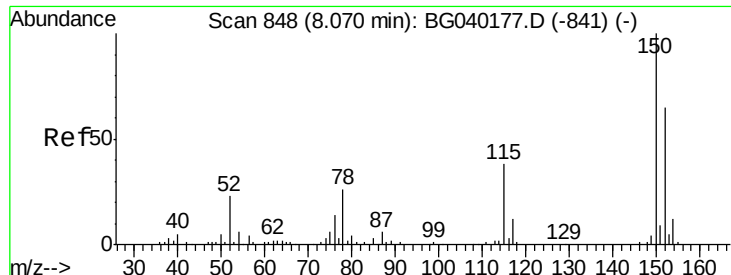
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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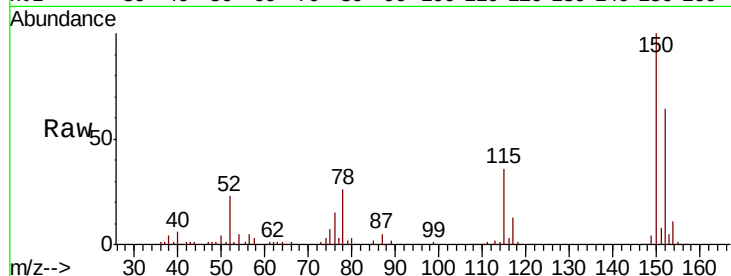


#1

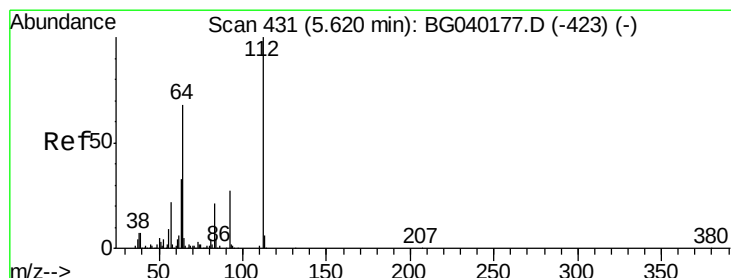
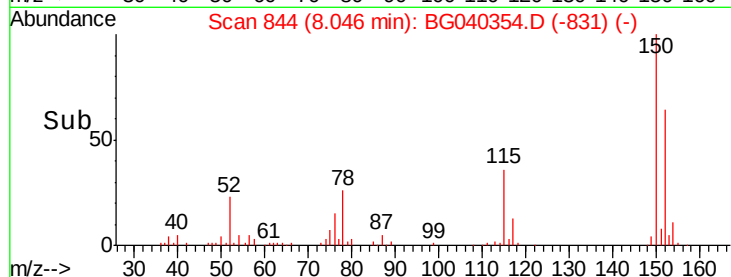
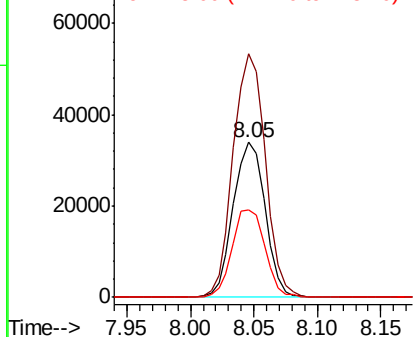
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.02 min
Lab File: BG040354.D
Acq: 4 Apr 2019 10:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	123.7	185.5
115	56.3	46.9	70.3



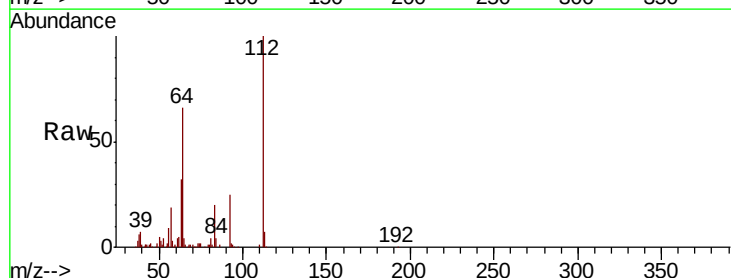
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



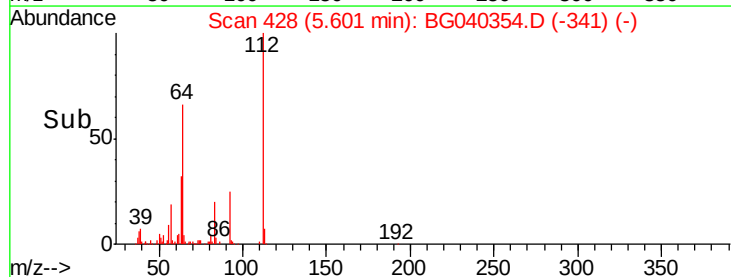
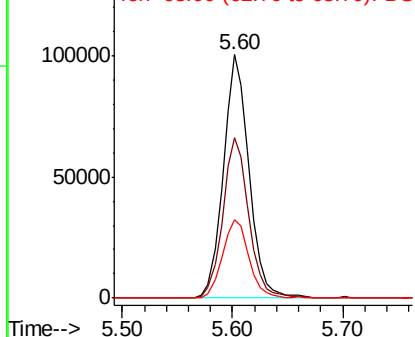
#5

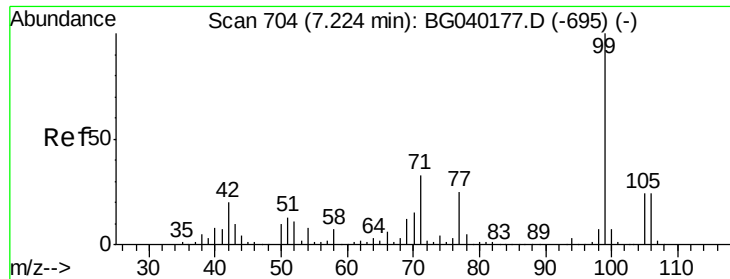
2-Fluorophenol
Concen: 45.628 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.02 min
Lab File: BG040354.D
Acq: 4 Apr 2019 10:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	54.2	81.2
63	32.2	26.4	39.6



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: 28.129 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040354.D

Acq: 4 Apr 2019 10:35

Instrument :

BNA_G

ClientSampled :

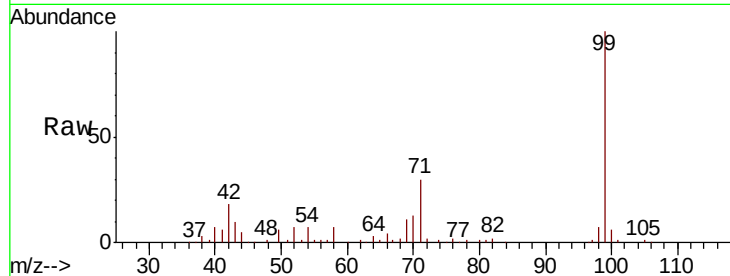
Tot Ion: 99 Resp: 139002

Ion Ratio Lower Upper

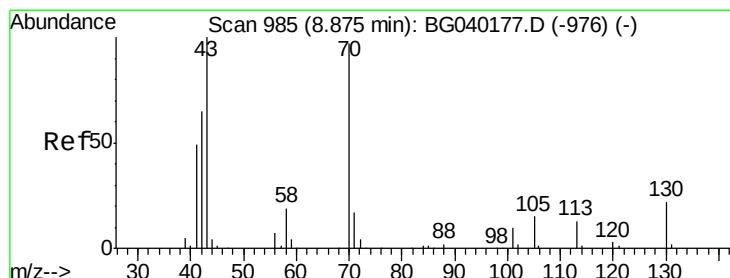
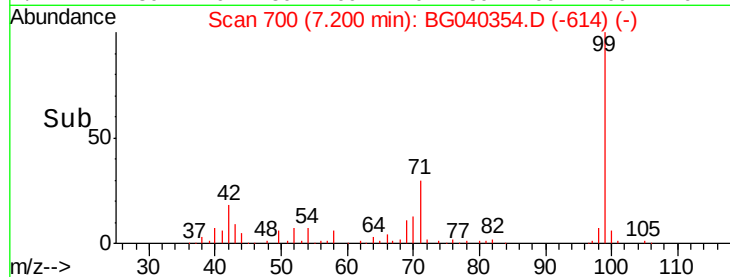
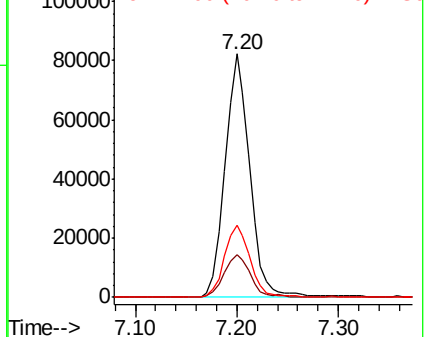
99 100

42 17.6 16.2 24.2

71 29.7 26.8 40.2



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: 13.934 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.35 min

Lab File: BG040354.D

Acq: 4 Apr 2019 10:35

Tgt Ion: 70 Resp: 49367

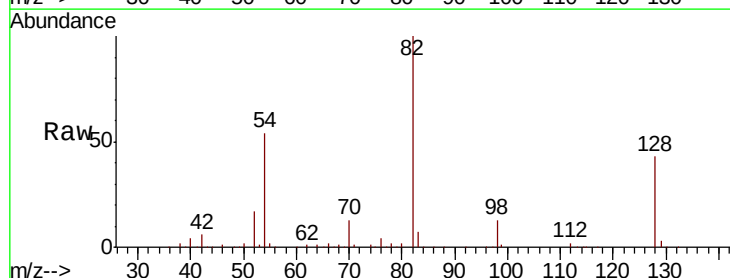
Ion Ratio Lower Upper

70 100

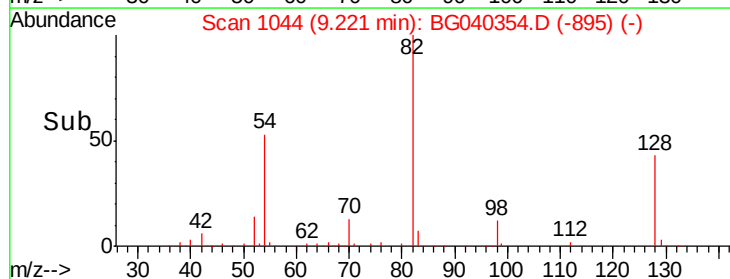
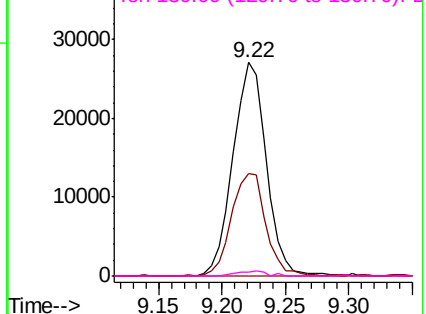
42 48.1 54.0 81.0#

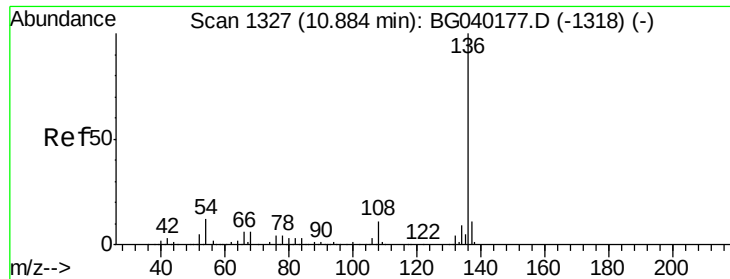
101 0.0 8.6 13.0#

130 1.9 18.2 27.2#



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

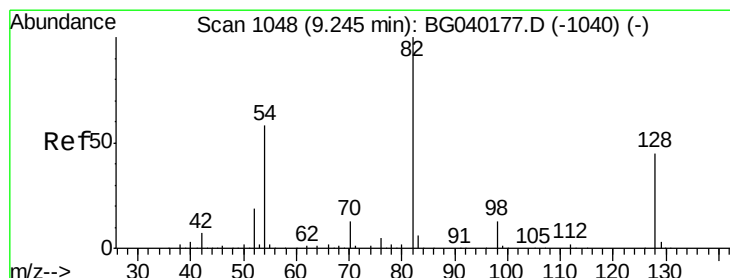
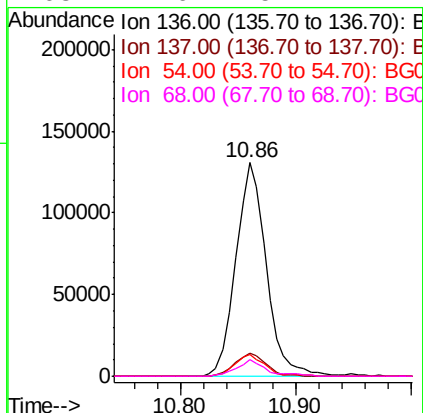
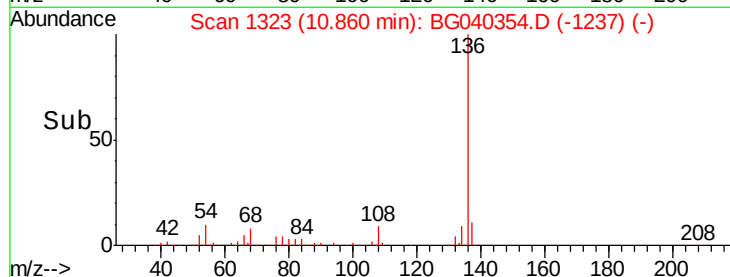
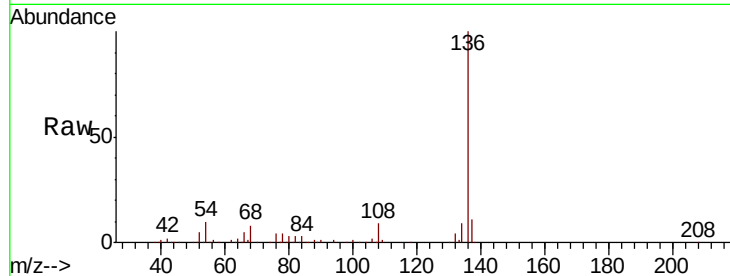




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG040354.D
Acq: 4 Apr 2019 10:35

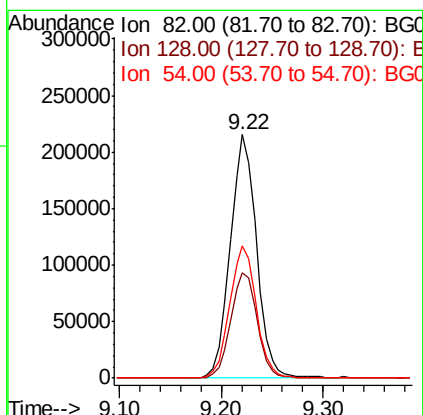
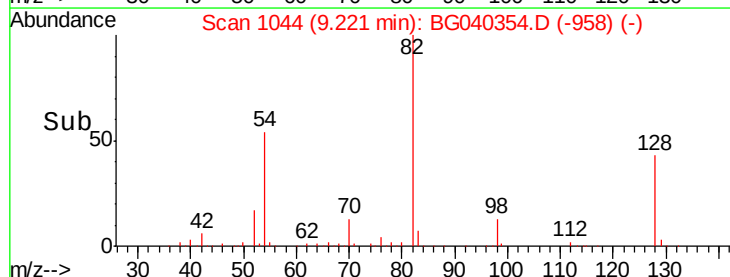
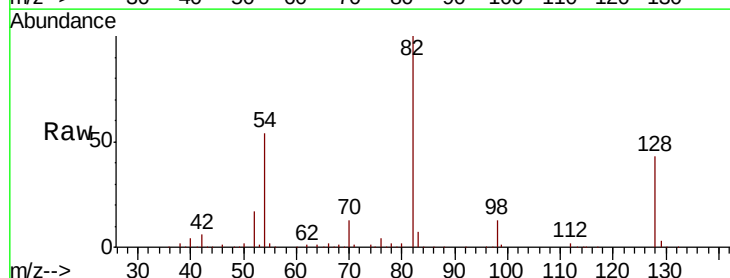
Instrument :
BNA_G
ClientSampleId :

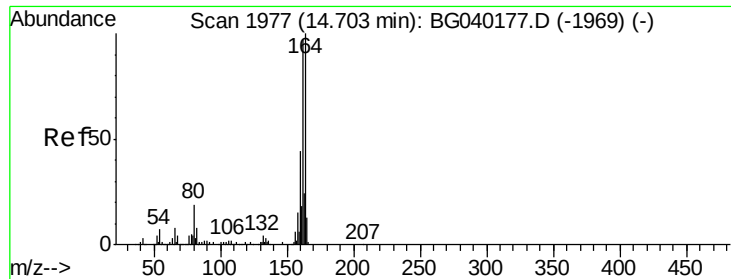
Tot Ion:136	Resp:	238977
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.9 13.3
54	10.1	9.6 14.4
68	7.6	5.1 7.7



#23
Nitrobenzene-d5
Concen: 86.263 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG040354.D
Acq: 4 Apr 2019 10:35

Tgt Ion: 82	Resp:	387838
Ion	Ratio	Lower Upper
82	100	
128	43.2	35.8 53.8
54	54.3	46.2 69.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.02 min

Lab File: BG040354.D

Acq: 4 Apr 2019 10:35

Instrument :

BNA_G

ClientSampled :

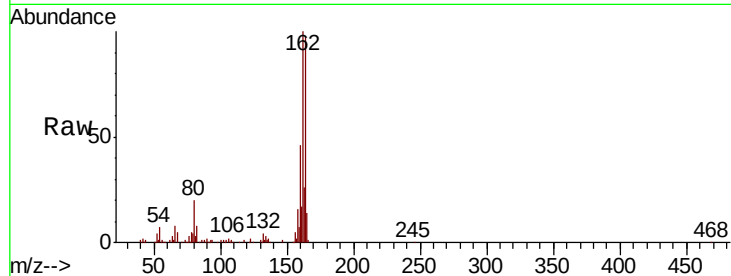
Tot Ion:164 Resp: 142518

Ion Ratio Lower Upper

164 100

162 103.2 77.4 116.2

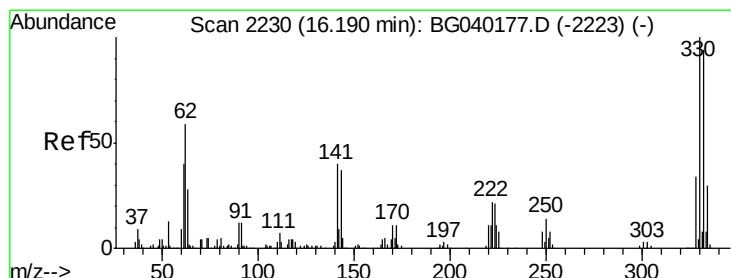
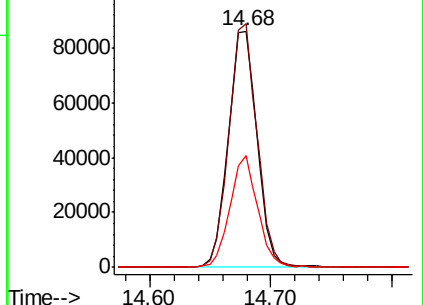
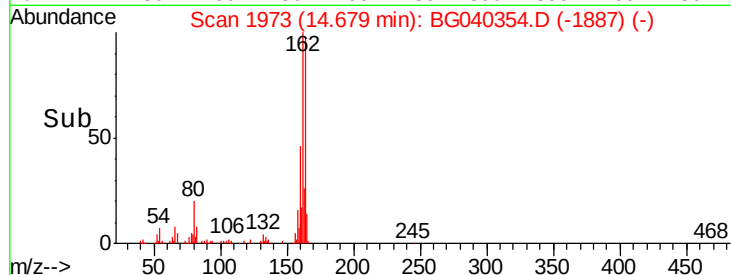
160 47.2 35.3 52.9



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: 98.583 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.02 min

Lab File: BG040354.D

Acq: 4 Apr 2019 10:35

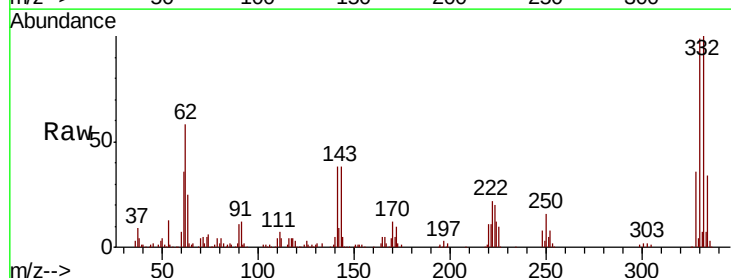
Tgt Ion:330 Resp: 151842

Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

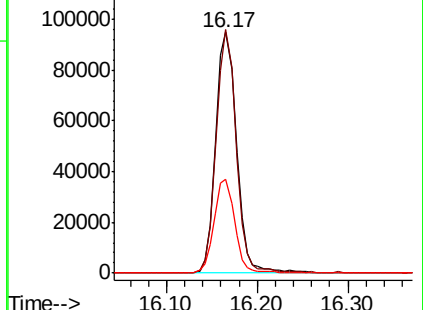
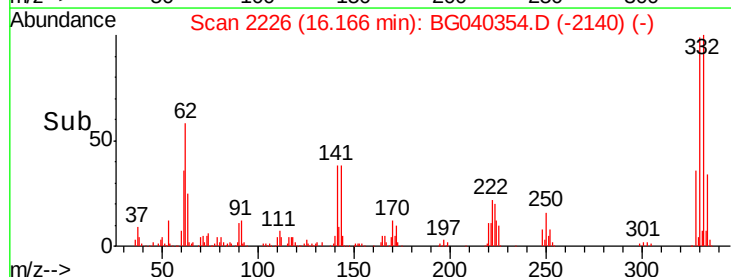
141 38.8 32.6 48.8

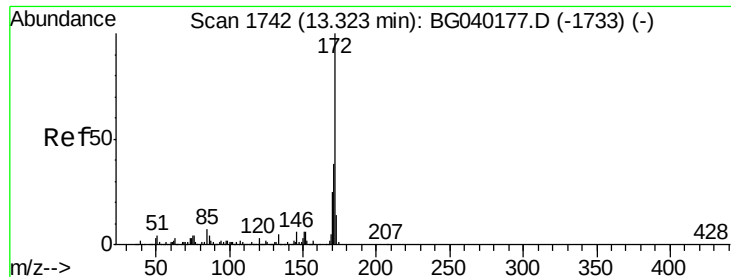


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 89.880 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.02 min

Lab File: BG040354.D

Acq: 4 Apr 2019 10:35

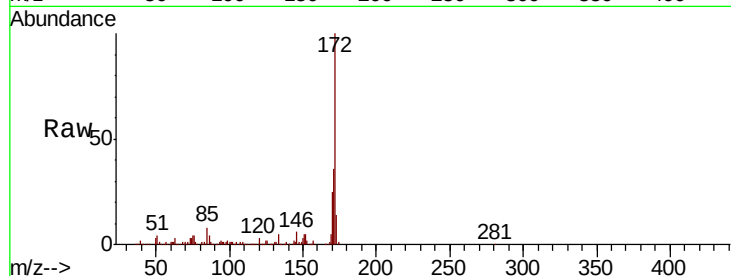
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 864474

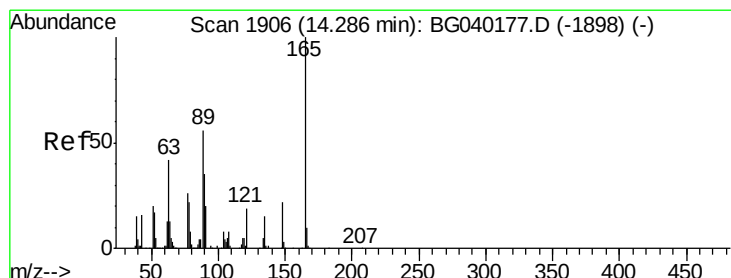
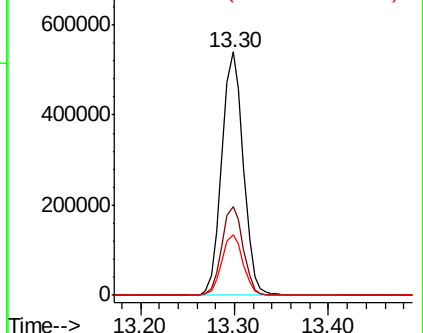
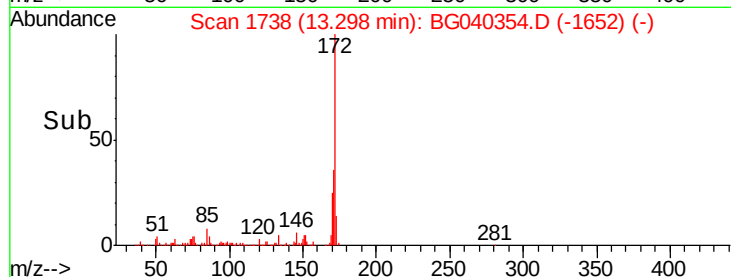
Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.5	45.7
170	25.1	20.1	30.1



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



#51

2,6-Dinitrotoluene

Concen: 7.608 ng

RT: 14.68 min Scan# 1973

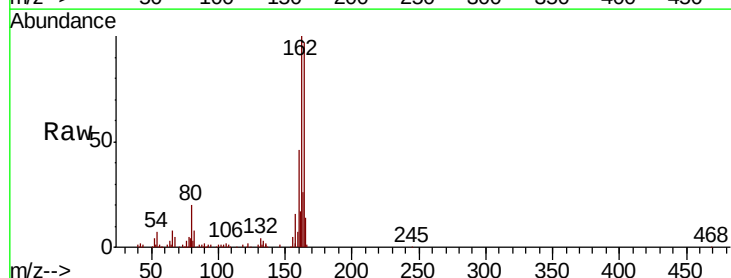
Delta R.T. 0.39 min

Lab File: BG040354.D

Acq: 4 Apr 2019 10:35

Tgt Ion:165 Resp: 19053

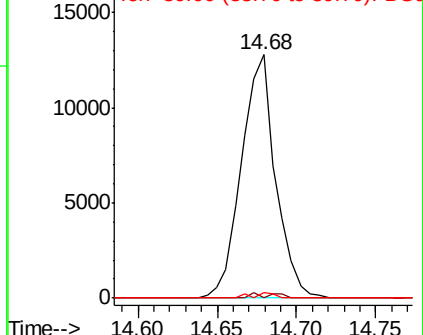
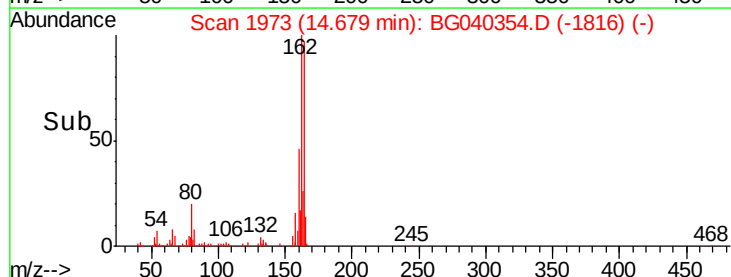
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.1	66.1#
89	2.1	44.9	67.3#

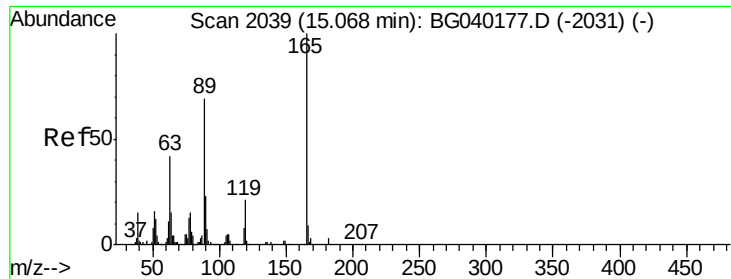


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

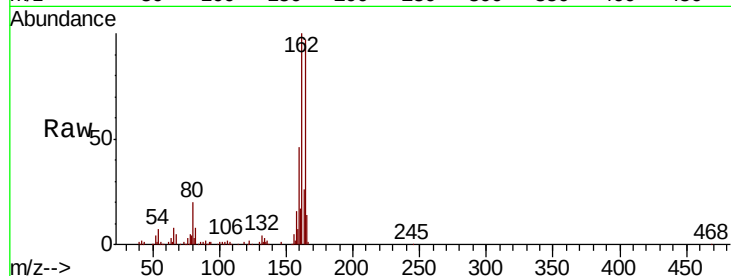




#57
 2,4-Dinitrotoluene
 Concen: 5.475 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.39 min
 Lab File: BG040354.D
 Acq: 4 Apr 2019 10:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.8	50.6#
89	2.1	55.4	83.2#
182	0.0	2.2	3.4#



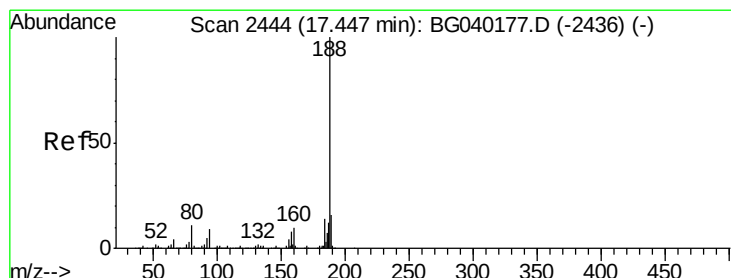
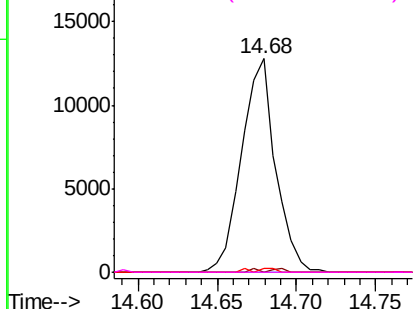
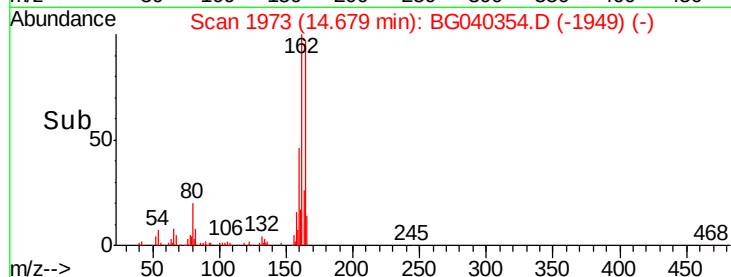
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

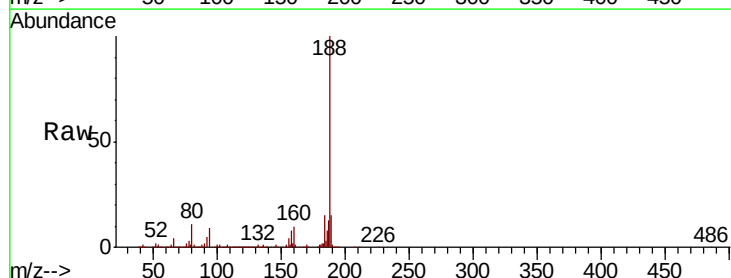
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. -0.02 min
 Lab File: BG040354.D
 Acq: 4 Apr 2019 10:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.0	10.4
80	10.8	8.6	13.0

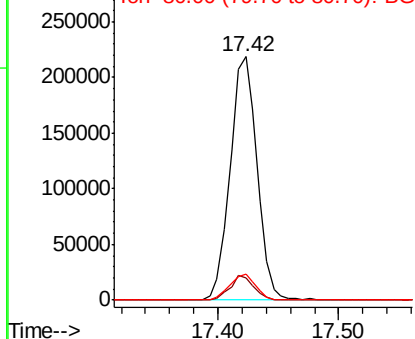
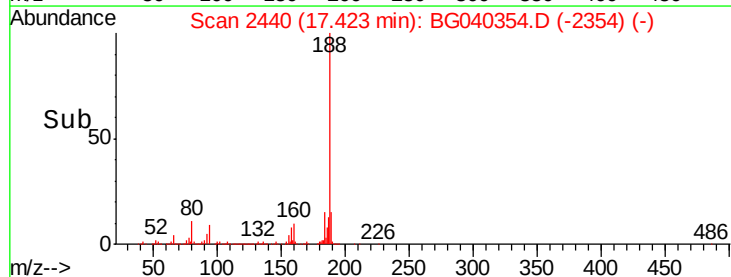


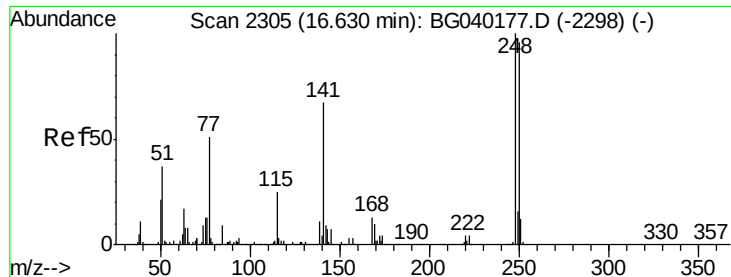
Abundance

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

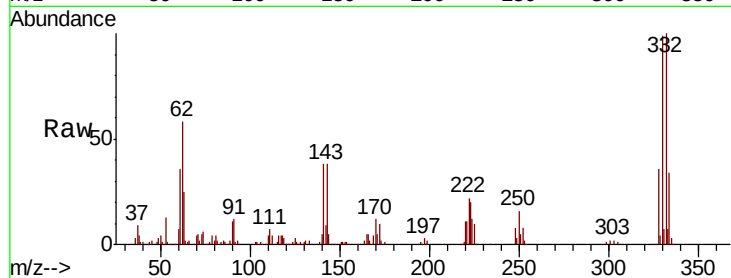




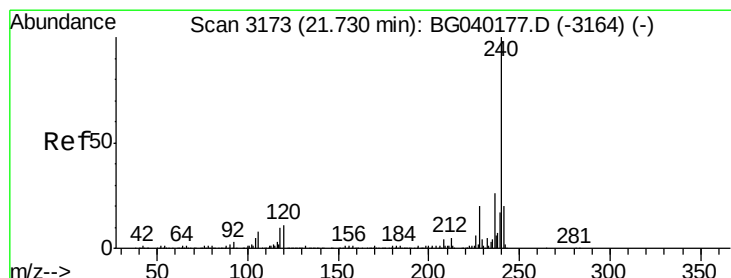
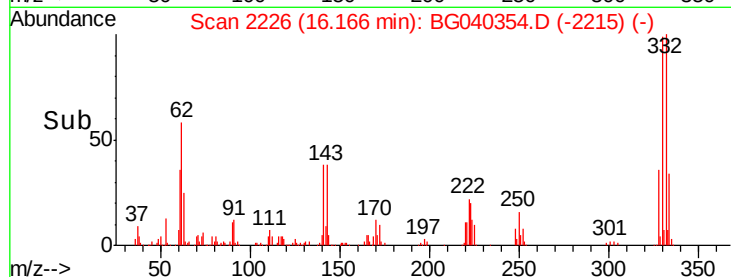
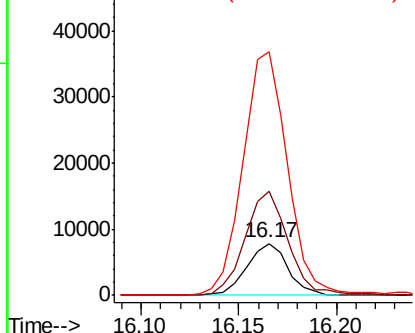
#67
 4-Bromophenyl-phenylether
 Concen: 2.978 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG040354.D
 Acq: 4 Apr 2019 10:35

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 11385
 Ion Ratio Lower Upper
 248 100
 250 201.2 76.4 114.6#
 141 468.8 53.8 80.8#

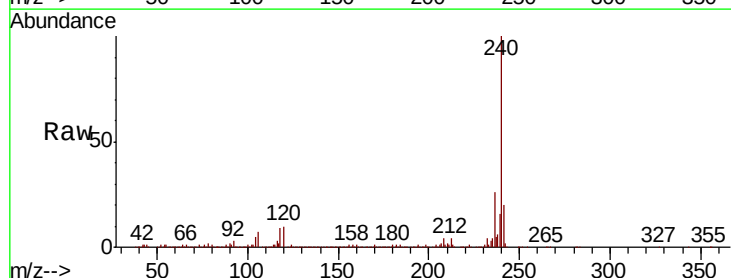


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

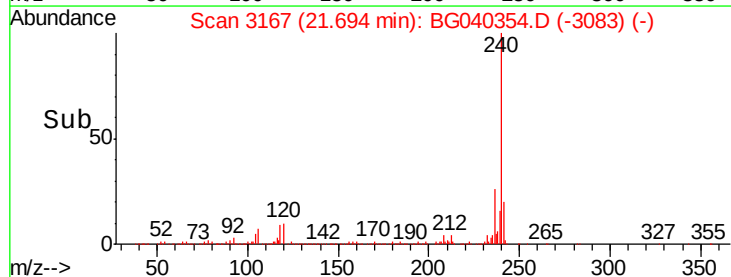
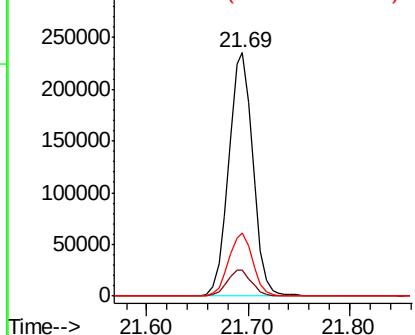


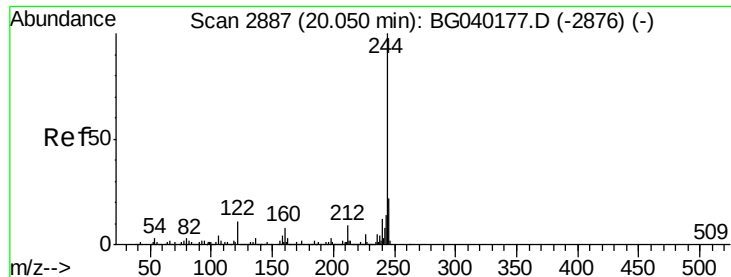
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3167
 Delta R.T. -0.04 min
 Lab File: BG040354.D
 Acq: 4 Apr 2019 10:35

Tgt Ion:240 Resp: 389468
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.4 12.6
 236 25.8 20.8 31.2



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: 72.493 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.03 min

Lab File: BG040354.D

Acq: 4 Apr 2019 10:35

Instrument :

BNA_G

ClientSampled :

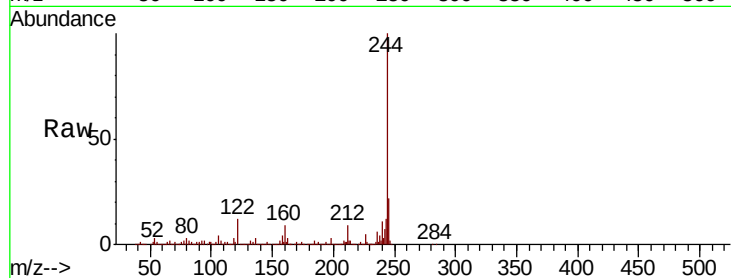
Tot Ion:244 Resp: 1255028

Ion Ratio Lower Upper

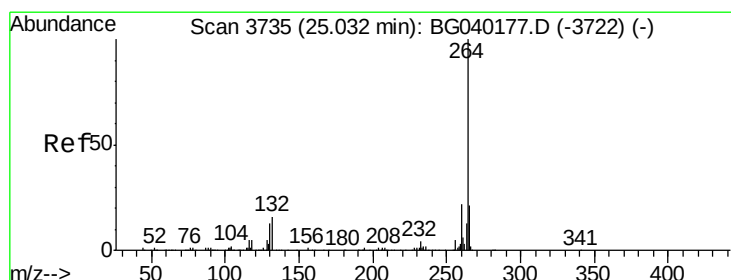
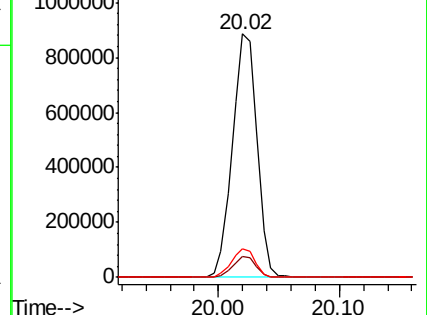
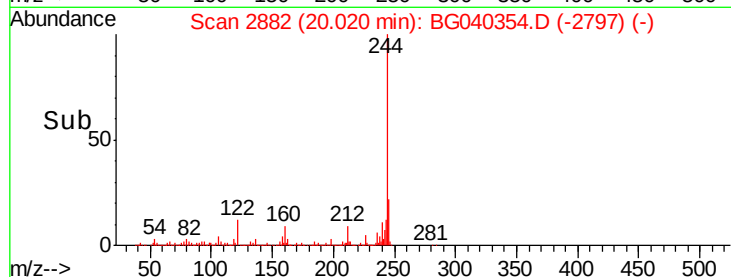
244 100

212 8.6 7.0 10.6

122 11.7 8.5 12.7



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: 24.97 min Scan# 3724

Delta R.T. -0.07 min

Lab File: BG040354.D

Acq: 4 Apr 2019 10:35

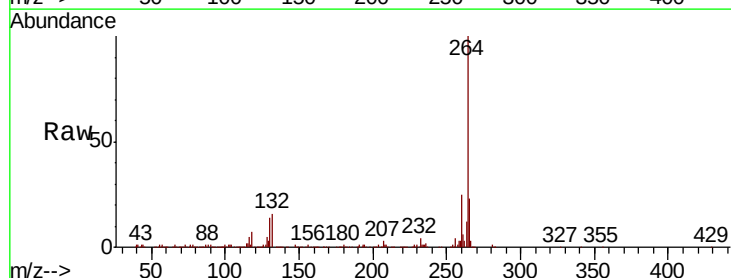
Tgt Ion:264 Resp: 402886

Ion Ratio Lower Upper

264 100

260 25.2 17.9 26.9

265 22.8 16.8 25.2



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

