

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032819\
 Data File : BG040214.D
 Acq On : 29 Mar 2019 1:04
 Operator : JU/SJ
 Sample : PB118375TB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB118375TB

Quant Time: Mar 29 05:48:55 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

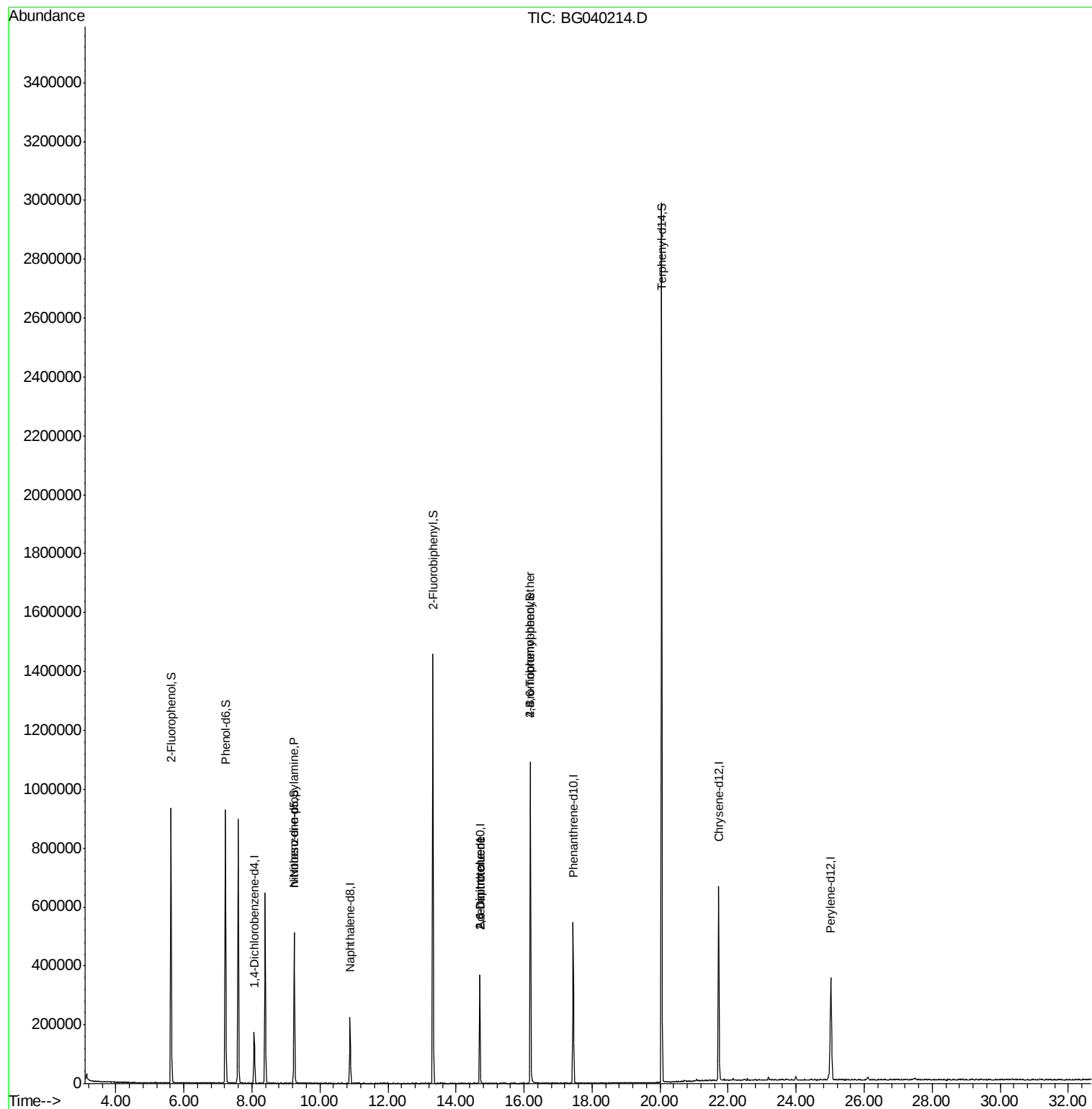
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	48916	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	202592	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	126727	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	337884	20.00	ng	0.00
76) Chrysene-d12	21.72	240	386668	20.00	ng	0.00
87) Perylene-d12	25.02	264	379421	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	398648	135.48	ng	0.00
7) Phenol-d6	7.22	99	548482	134.88	ng	0.00
23) Nitrobenzene-d5	9.24	82	318957	83.68	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	191517	139.84	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	749026	87.58	ng	0.00
79) Terphenyl-d14	20.05	244	1393196	81.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	39622	13.590	ng	# 70
51) 2,6-Dinitrotoluene	14.70	165	16313	7.325	ng	# 26
57) 2,4-Dinitrotoluene	14.70	165	16313	5.272	ng	# 27
67) 4-Bromophenyl-phenylether	16.19	248	15320	4.029	ng	# 1

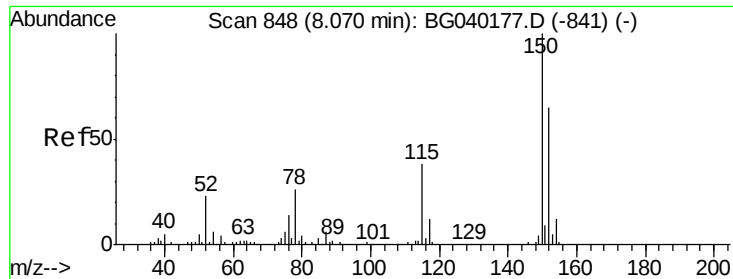
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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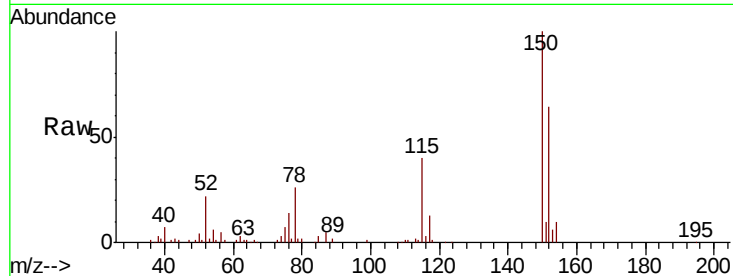


#1

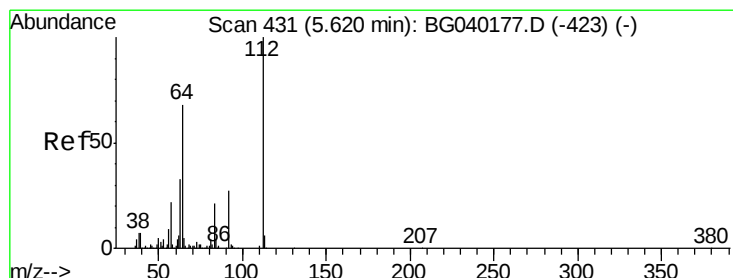
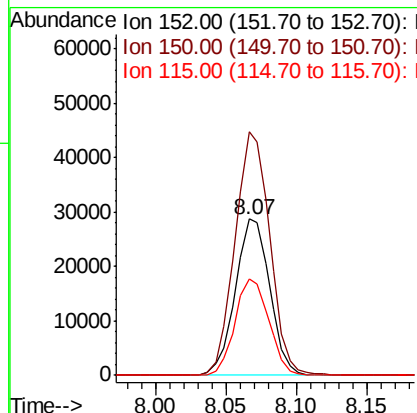
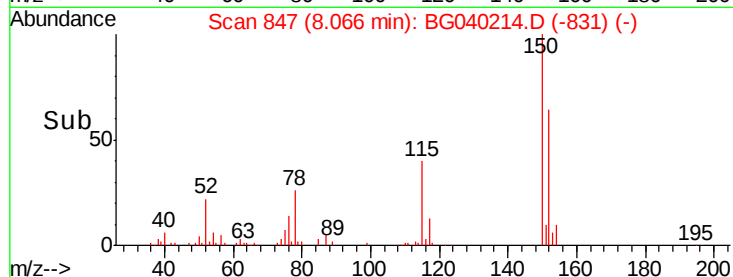
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 847
Delta R.T. -0.00 min
Lab File: BG040214.D
Acq: 29 Mar 2019 1:04

Instrument :
BNA_G
ClientSampleId :
PB118375TB

Tgt Ion:152 Resp: 48916
Ion Ratio Lower Upper
152 100
150 155.5 123.7 185.5
115 61.5 46.9 70.3



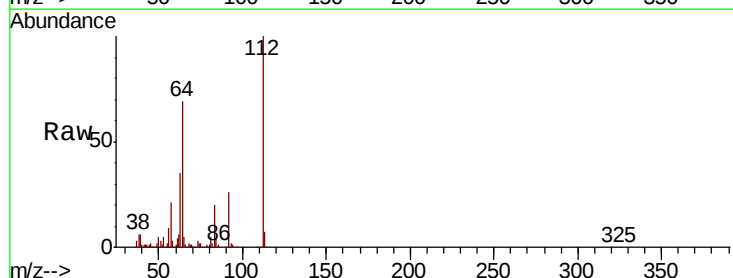
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



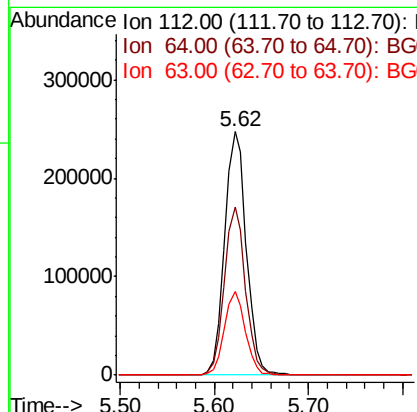
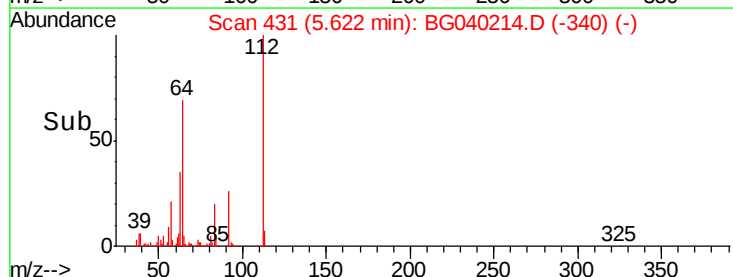
#5

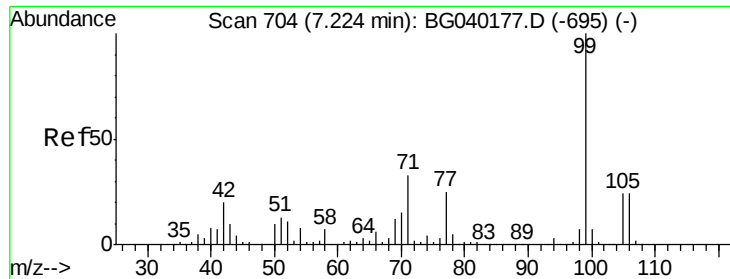
2-Fluorophenol
Concen: 135.481 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG040214.D
Acq: 29 Mar 2019 1:04

Tgt Ion:112 Resp: 398648
Ion Ratio Lower Upper
112 100
64 69.1 54.2 81.2
63 34.6 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: 134.877 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG040214.D

Acq: 29 Mar 2019 1:04

Instrument :

BNA_G

ClientSampleId :

PB118375TB

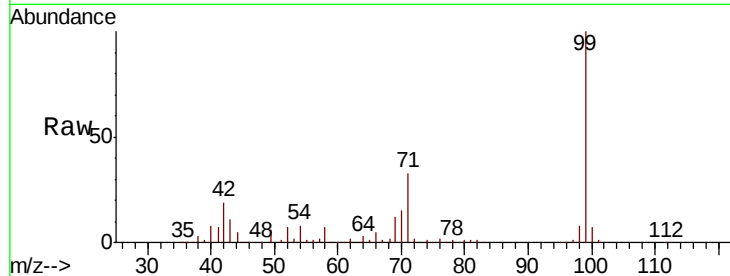
Tgt Ion: 99 Resp: 548482

Ion Ratio Lower Upper

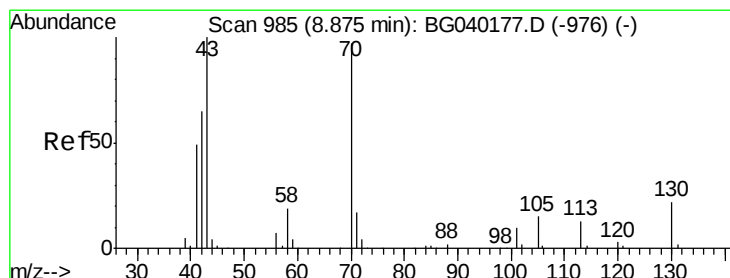
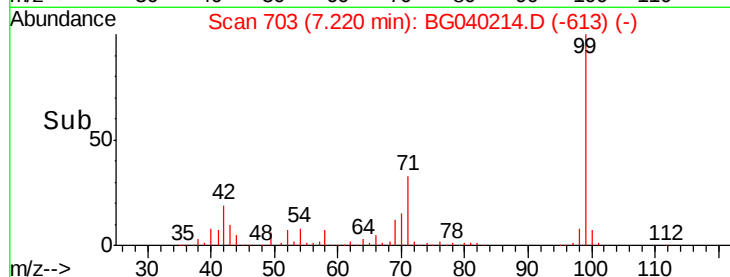
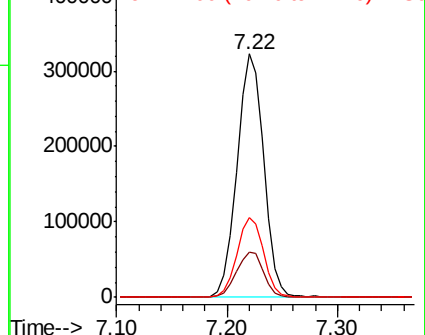
99 100

42 18.7 16.2 24.2

71 32.8 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: 13.590 ng

RT: 9.24 min Scan# 1047

Delta R.T. 0.37 min

Lab File: BG040214.D

Acq: 29 Mar 2019 1:04

Tgt Ion: 70 Resp: 39622

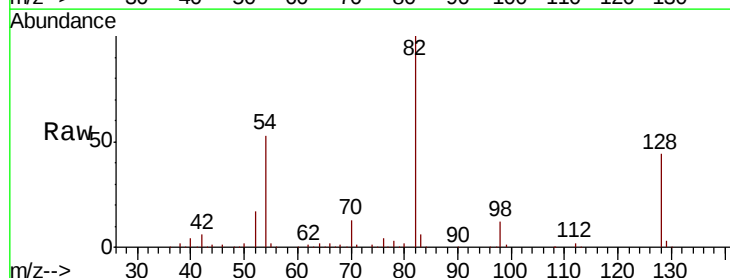
Ion Ratio Lower Upper

70 100

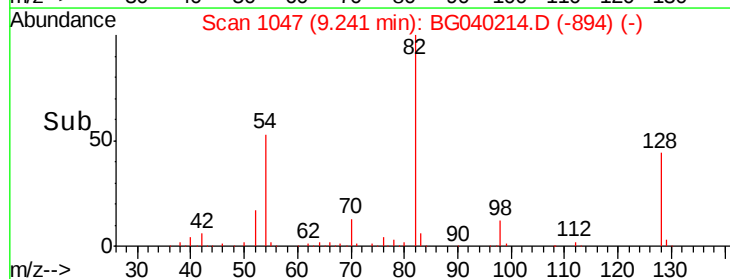
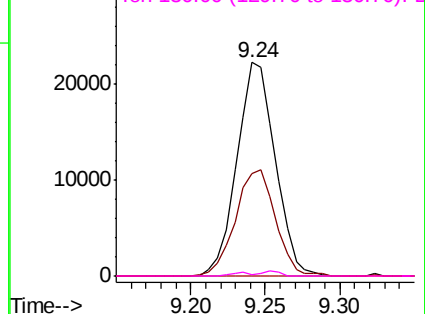
42 47.7 54.0 81.0#

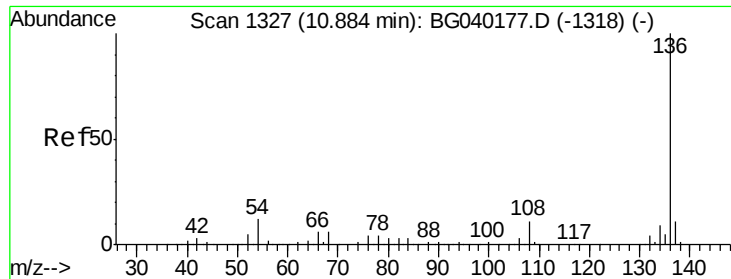
101 0.0 8.6 13.0#

130 0.7 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

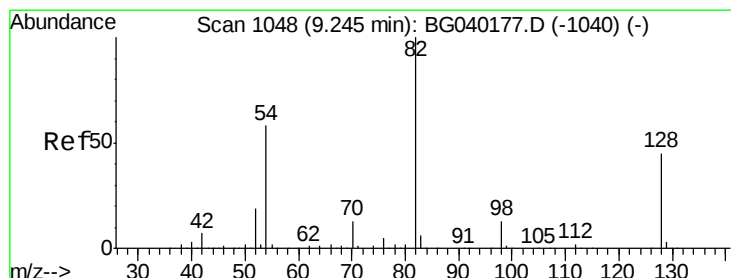
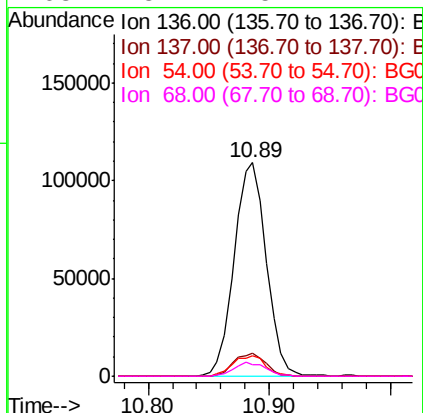
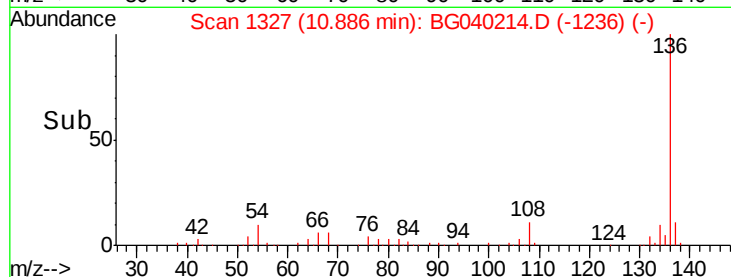
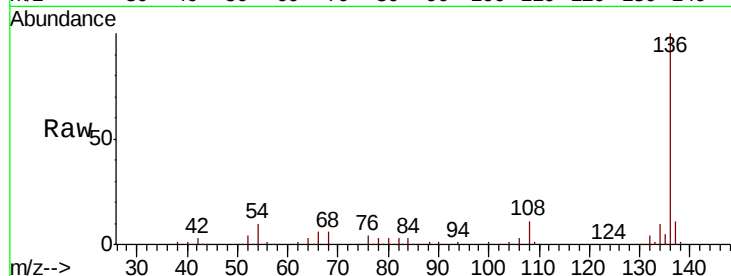




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BG040214.D
Acq: 29 Mar 2019 1:04

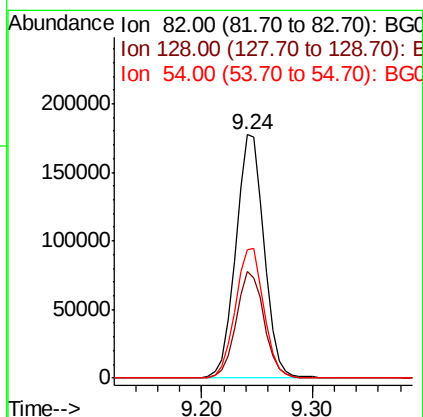
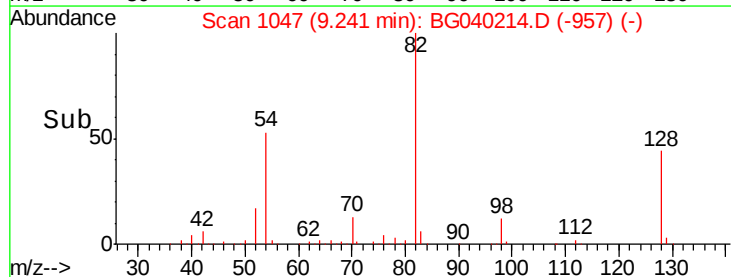
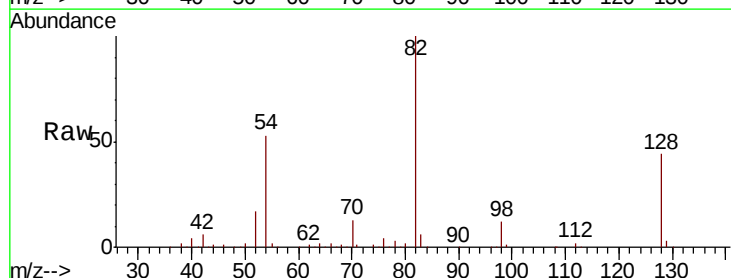
Instrument :
BNA_G
ClientSampleId :
PB118375TB

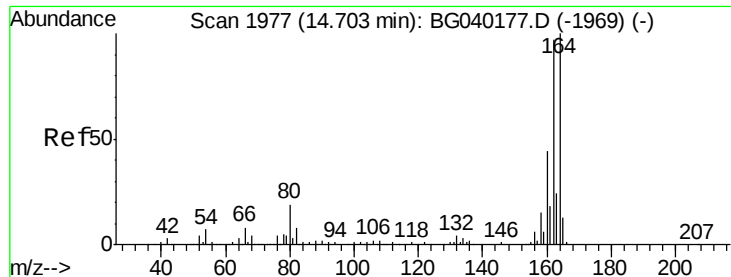
Tgt Ion:	136	Resp:	202592
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	9.6	9.6	14.4#
68	5.7	5.1	7.7



#23
Nitrobenzene-d5
Concen: 83.684 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG040214.D
Acq: 29 Mar 2019 1:04

Tgt Ion:	82	Resp:	318957
Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.8	53.8
54	52.9	46.2	69.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG040214.D

Acq: 29 Mar 2019 1:04

Instrument :

BNA_G

ClientSampleId :

PB118375TB

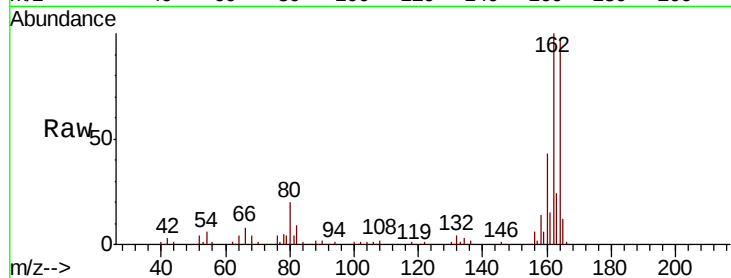
Tgt Ion:164 Resp: 126727

Ion Ratio Lower Upper

164 100

162 102.8 77.4 116.2

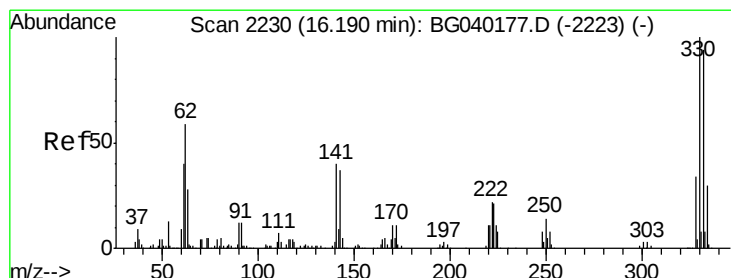
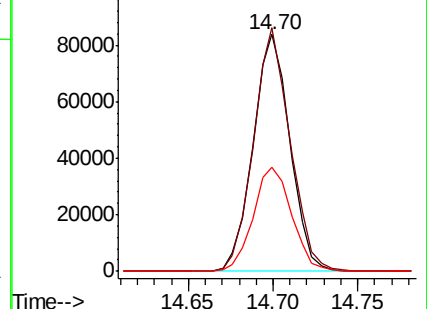
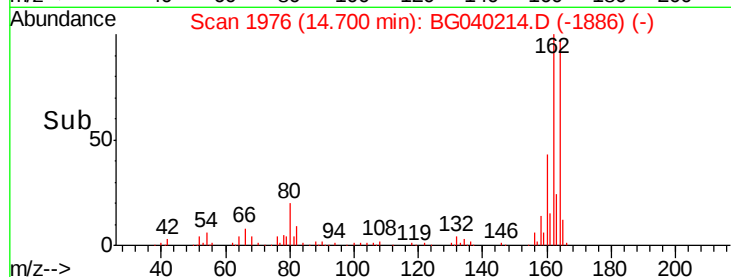
160 44.1 35.3 52.9



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: 139.835 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG040214.D

Acq: 29 Mar 2019 1:04

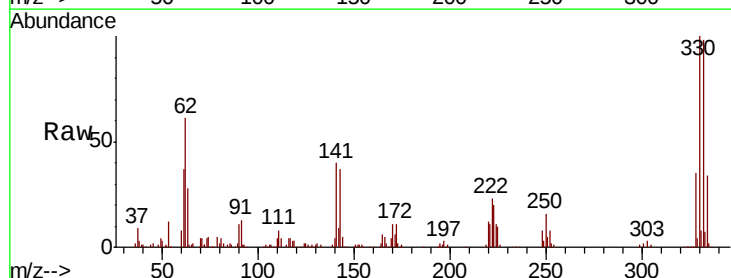
Tgt Ion:330 Resp: 191517

Ion Ratio Lower Upper

330 100

332 98.0 76.6 115.0

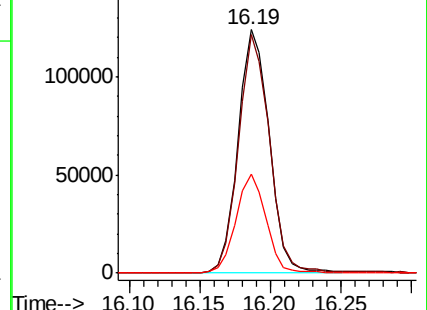
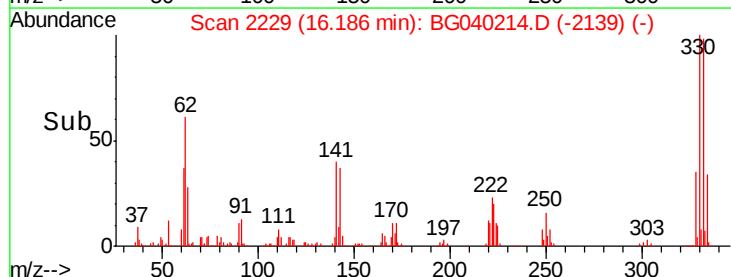
141 39.4 32.6 48.8

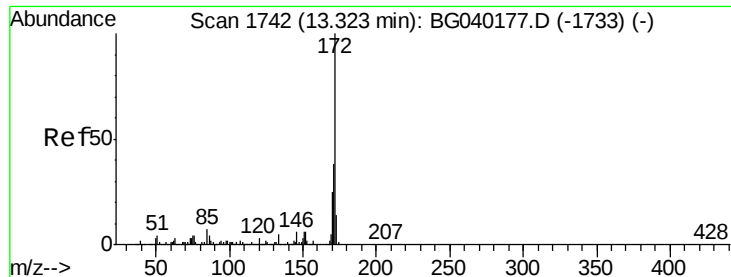


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 87.580 ng

RT: 13.32 min Scan# 1741

Delta R.T. -0.00 min

Lab File: BG040214.D

Acq: 29 Mar 2019 1:04

Instrument :

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ClientSampleId :

PB118375TB

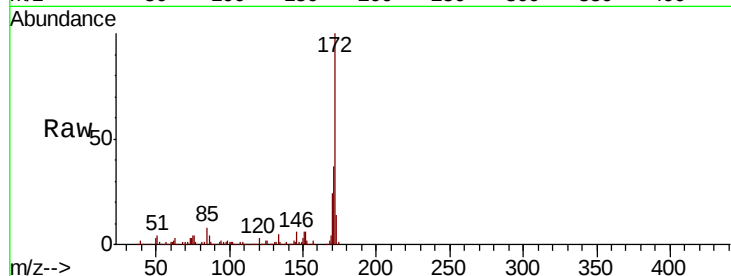
Tgt Ion:172 Resp: 749026

Ion Ratio Lower Upper

172 100

171 36.8 30.5 45.7

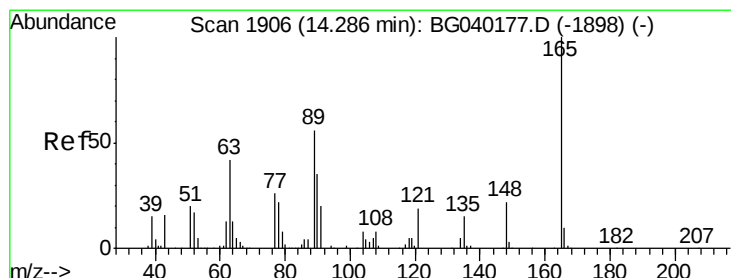
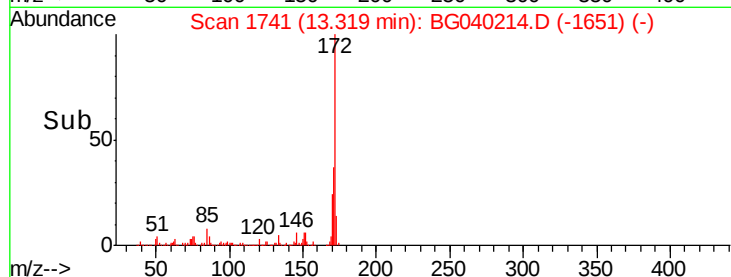
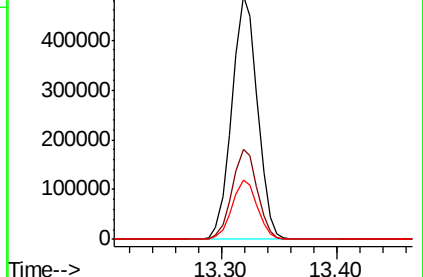
170 24.2 20.1 30.1



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: 7.325 ng

RT: 14.70 min Scan# 1976

Delta R.T. 0.41 min

Lab File: BG040214.D

Acq: 29 Mar 2019 1:04

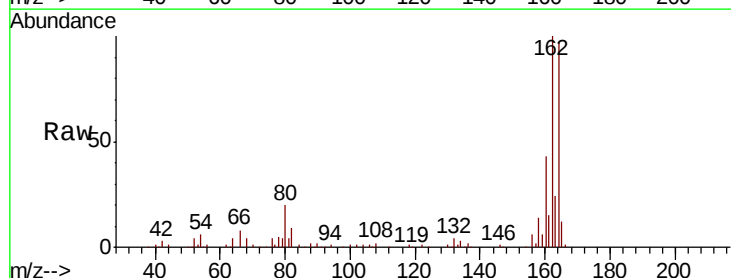
Tgt Ion:165 Resp: 16313

Ion Ratio Lower Upper

165 100

63 1.5 44.1 66.1#

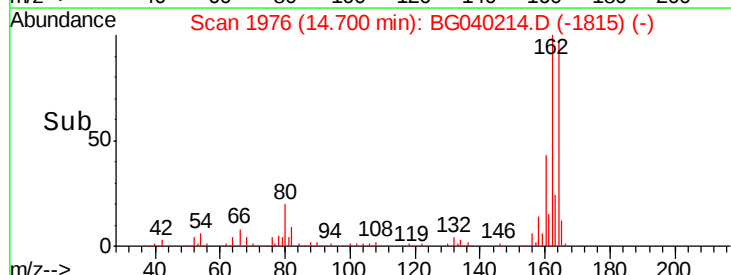
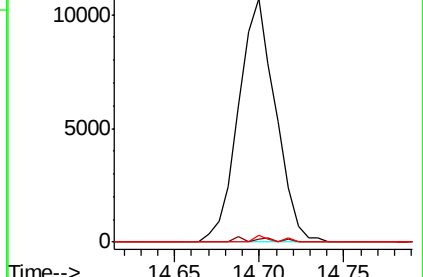
89 2.6 44.9 67.3#

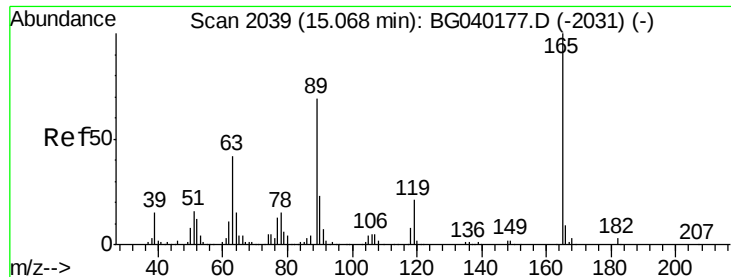


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

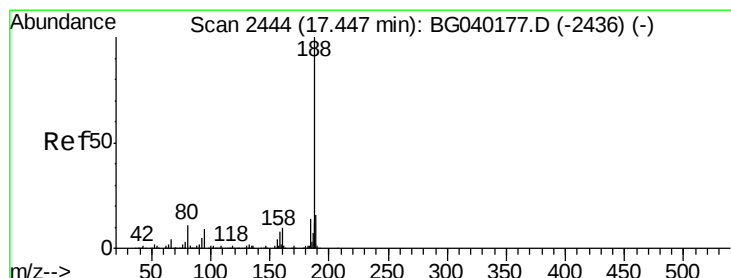
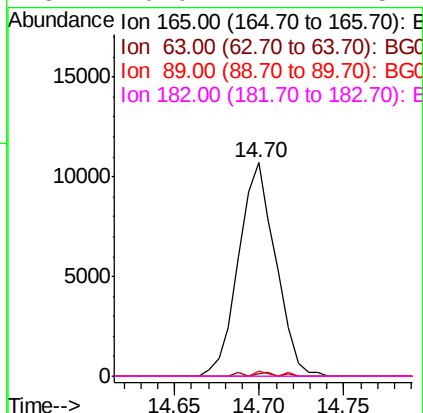
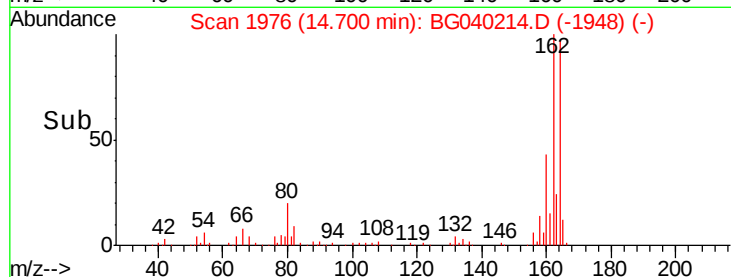
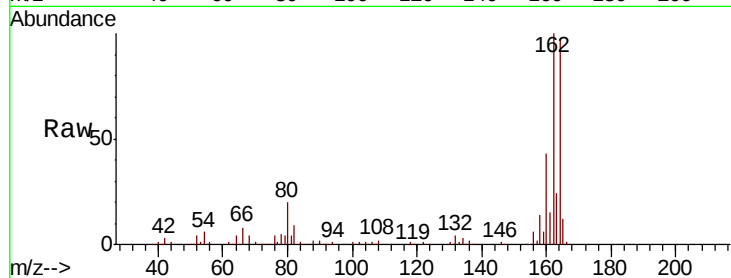




#57
 2,4-Dinitrotoluene
 Concen: 5.272 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.37 min
 Lab File: BG040214.D
 Acq: 29 Mar 2019 1:04

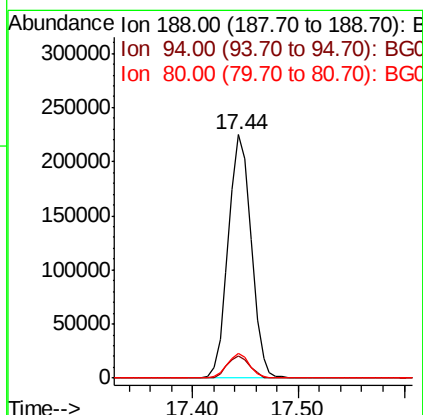
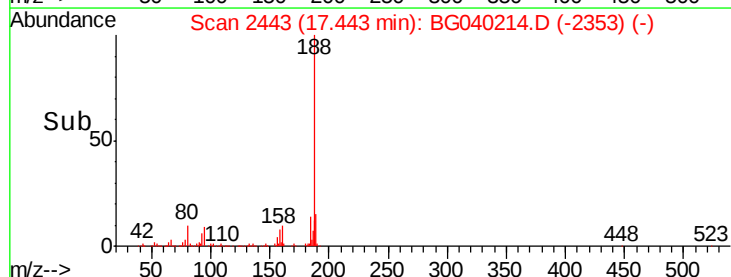
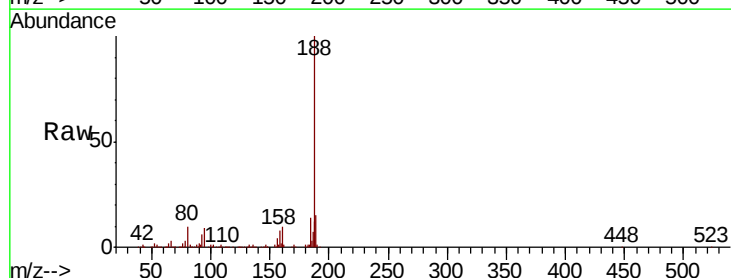
Instrument :
 BNA_G
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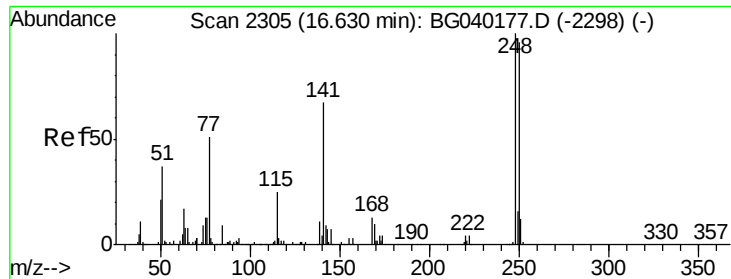
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.8	50.6#
89	2.6	55.4	83.2#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG040214.D
 Acq: 29 Mar 2019 1:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.0	10.4
80	10.0	8.6	13.0

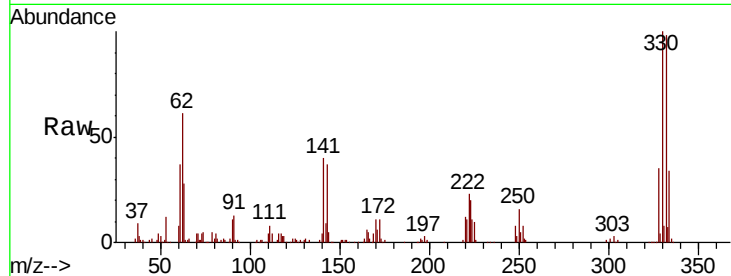




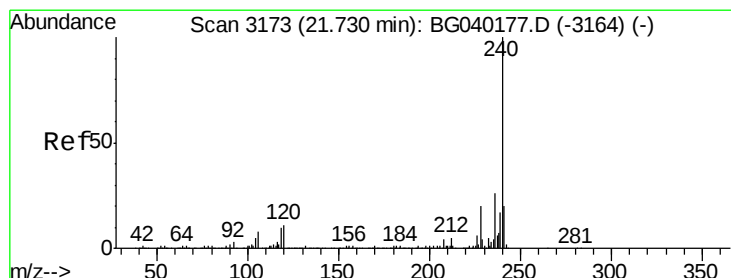
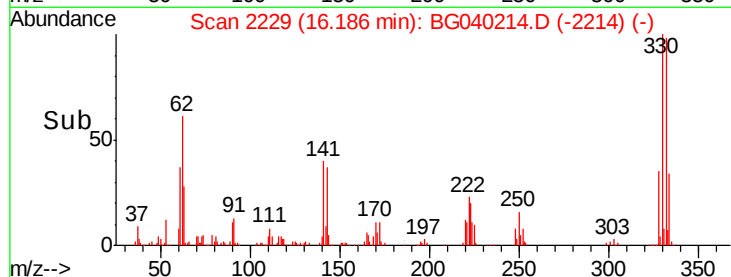
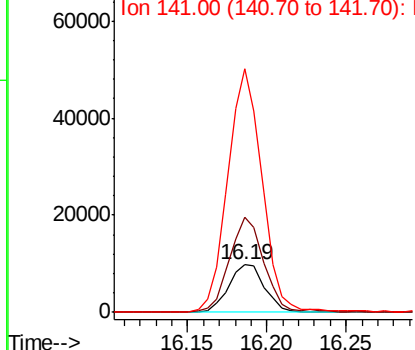
#67
 4-Bromophenyl-phenylether
 Concen: 4.029 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG040214.D
 Acq: 29 Mar 2019 1:04

Instrument :
 BNA_G
 ClientSampleId :
 PB118375TB

Tgt Ion:248 Resp: 15320
 Ion Ratio Lower Upper
 248 100
 250 201.3 76.4 114.6#
 141 515.0 53.8 80.8#

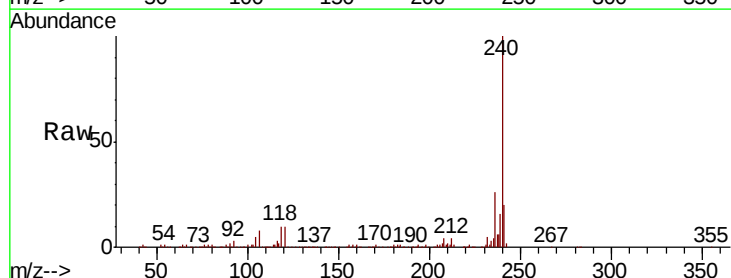


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

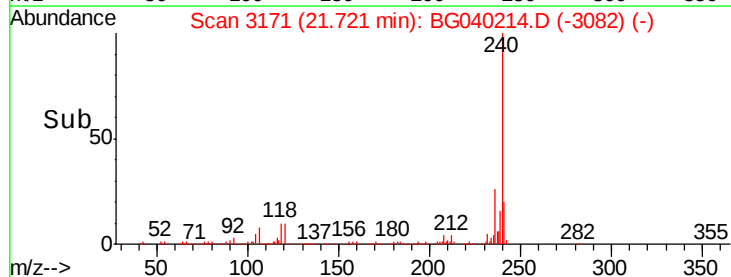
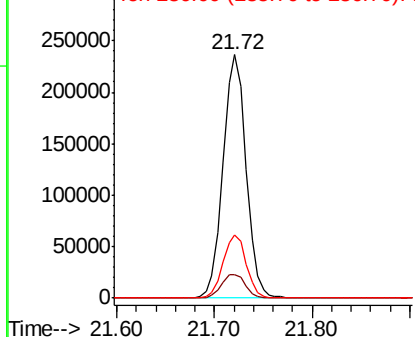


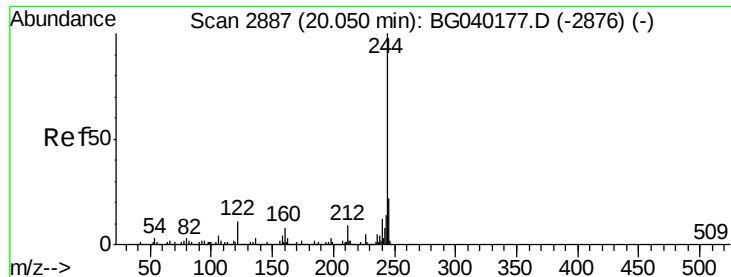
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG040214.D
 Acq: 29 Mar 2019 1:04

Tgt Ion:240 Resp: 386668
 Ion Ratio Lower Upper
 240 100
 120 9.6 8.4 12.6
 236 25.9 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: 81.057 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG040214.D

Acq: 29 Mar 2019 1:04

Instrument :

BNA_G

ClientSampleId :

PB118375TB

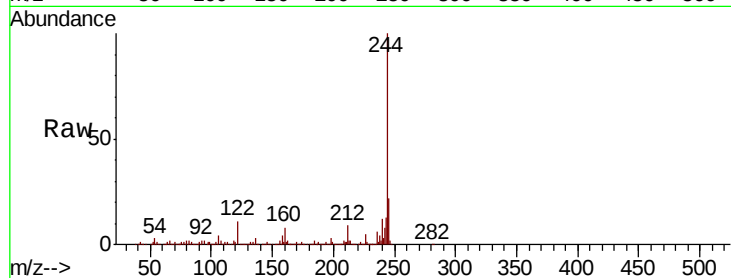
Tgt Ion:244 Resp: 1393196

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

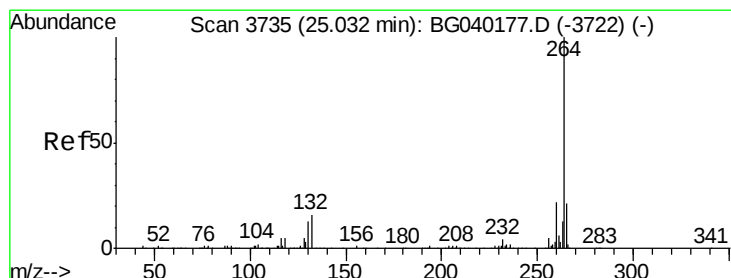
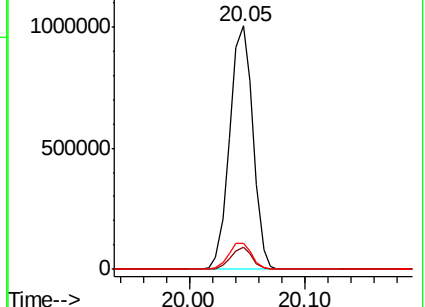
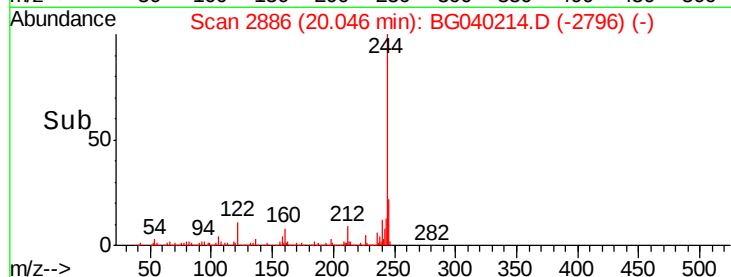
122 10.8 8.5 12.7



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: 25.02 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BG040214.D

Acq: 29 Mar 2019 1:04

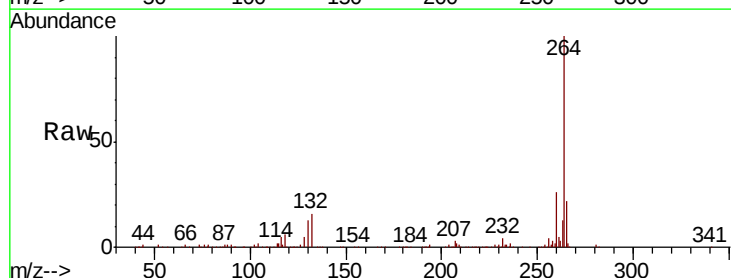
Tgt Ion:264 Resp: 379421

Ion Ratio Lower Upper

264 100

260 25.7 17.9 26.9

265 21.8 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

