

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042310.D
 Acq On : 18 Aug 2019 6:12
 Operator : HP/JU
 Sample : K4266-23
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 R1-R2-C1-C4-(0-1)

Quant Time: Aug 19 05:59:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	64239	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	239625	20.00	ng	-0.04
39) Acenaphthene-d10	14.66	164	171341	20.00	ng	-0.04
64) Phenanthrene-d10	17.42	188	417610	20.00	ng	-0.03
76) Chrysene-d12	21.69	240	484539	20.00	ng	-0.05
87) Perylene-d12	24.94	264	549193	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	434480	131.59	ng	-0.03
7) Phenol-d6	7.17	99	527736	118.56	ng	-0.03
23) Nitrobenzene-d5	9.18	82	365805	105.05	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	356985	183.43	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	1094031	112.62	ng	-0.04
79) Terphenyl-d14	20.03	244	2133336	100.75	ng	-0.03

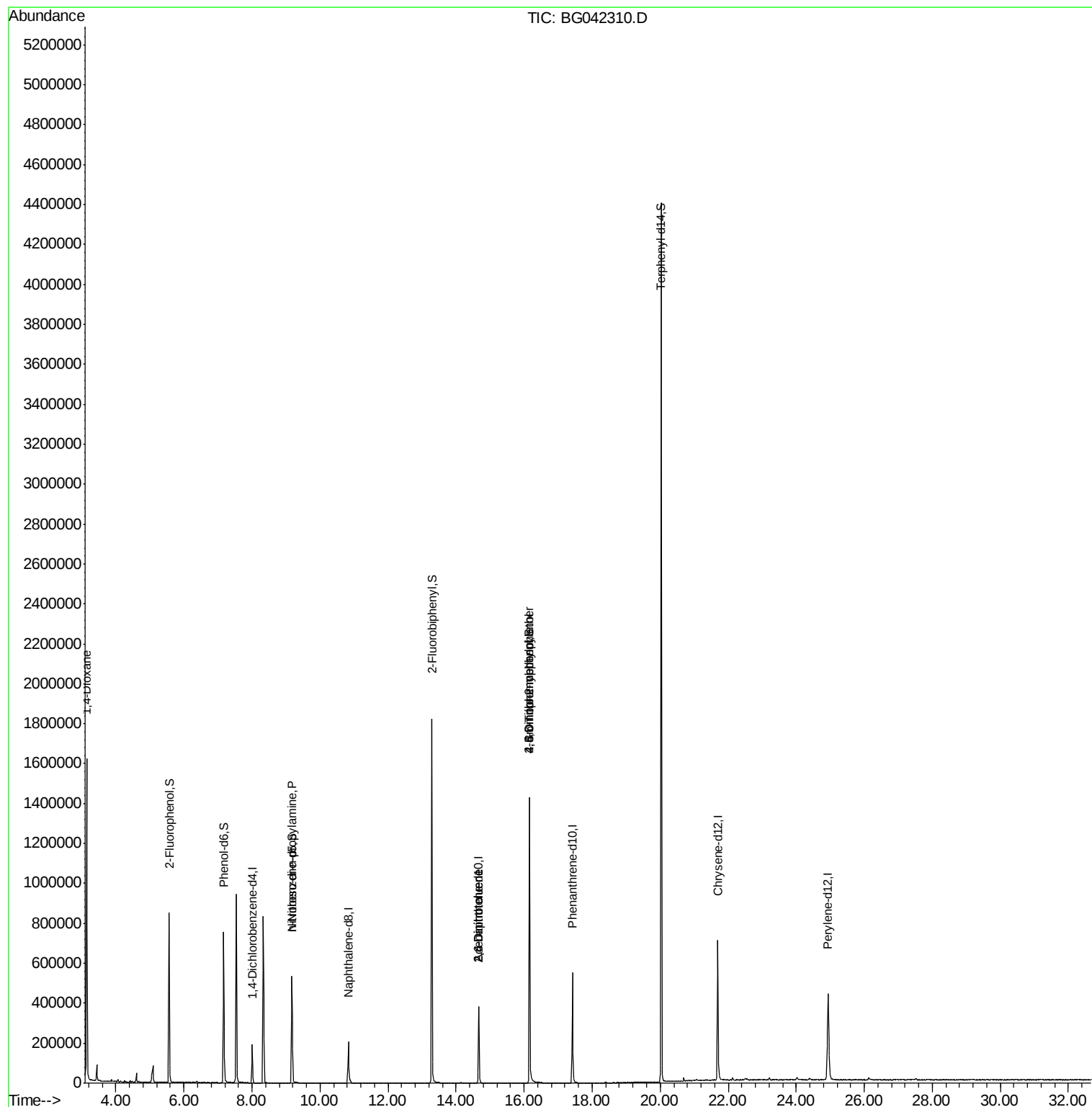
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.14	88	16992	10.934	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	45448	14.063	ng	# 64
51) 2,6-Dinitrotoluene	14.66	165	22783	9.311	ng	# 25
57) 2,4-Dinitrotoluene	14.66	165	22784	6.771	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.16	198	698	7.145	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	25462	4.950	ng	# 1

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

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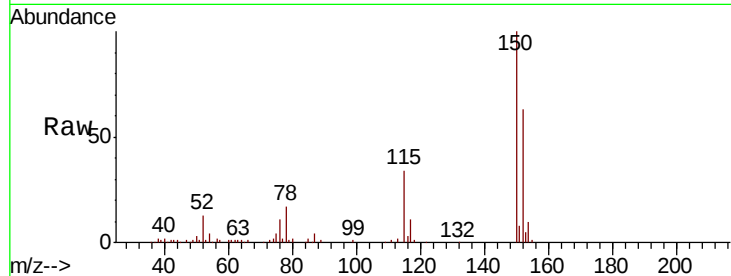


#1

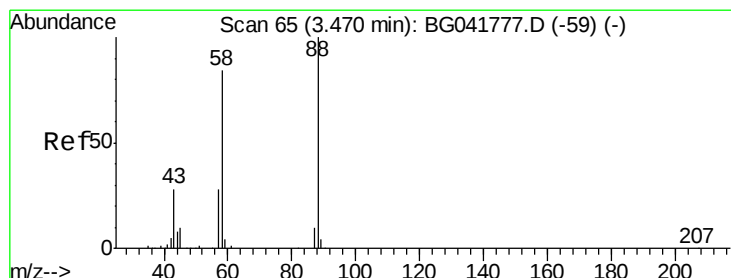
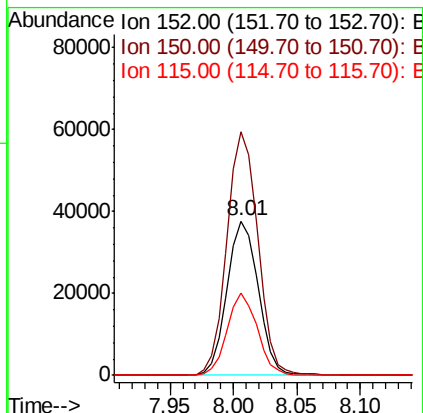
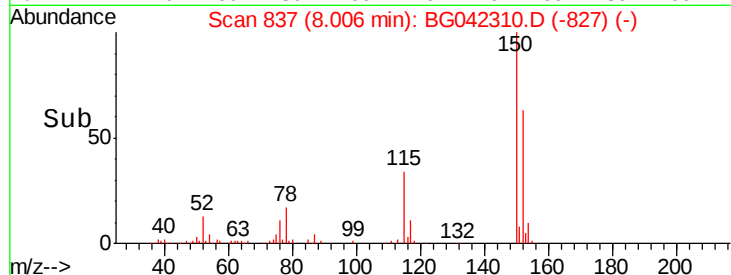
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.04 min
Lab File: BG042310.D
Acq: 18 Aug 2019 6:12

Instrument :
BNA_G
ClientSampleId :
R1-R2-C1-C4-(0-1)

Tgt Ion:152 Resp: 64239
Ion Ratio Lower Upper
152 100
150 158.1 126.9 190.3
115 53.3 45.0 67.6



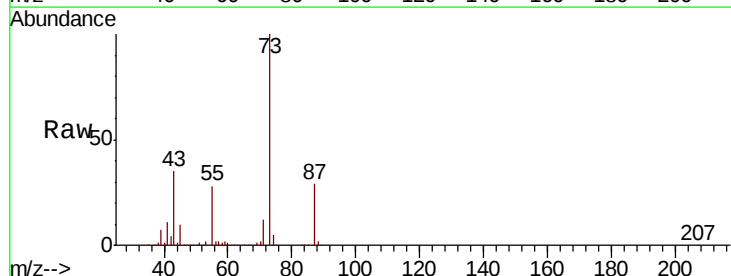
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



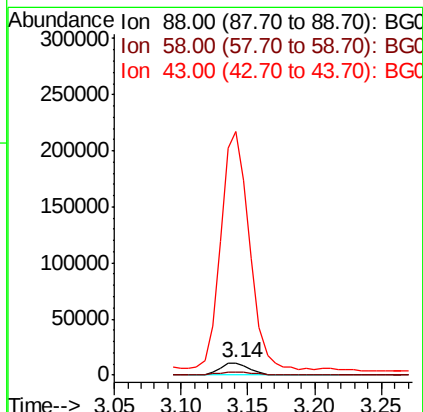
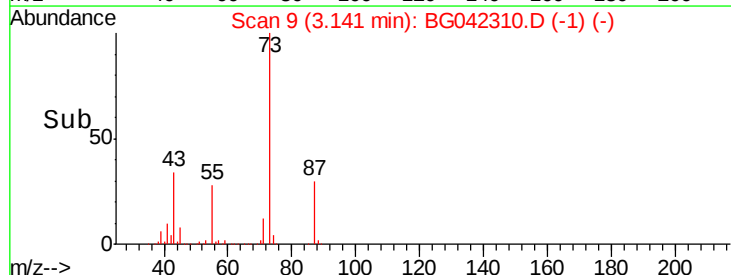
#2

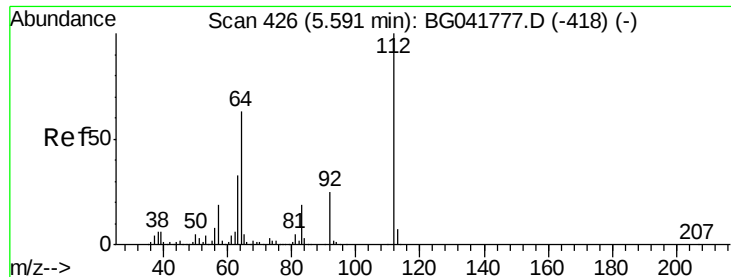
1,4-Dioxane
Concen: 10.934 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.33 min
Lab File: BG042310.D
Acq: 18 Aug 2019 6:12

Tgt Ion: 88 Resp: 16992
Ion Ratio Lower Upper
88 100
58 25.0 76.2 114.2#
43 1861.7 27.2 40.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 131.592 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042310.D

Acq: 18 Aug 2019 6:12

Instrument :

BNA_G

ClientSampleId :

R1-R2-C1-C4-(0-1)

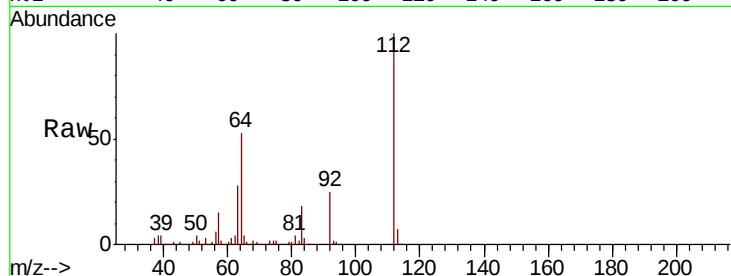
Tgt Ion: 112 Resp: 434480

Ion Ratio Lower Upper

112 100

64 53.5 55.4 83.2#

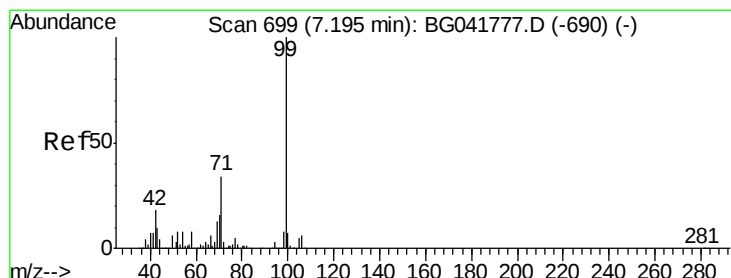
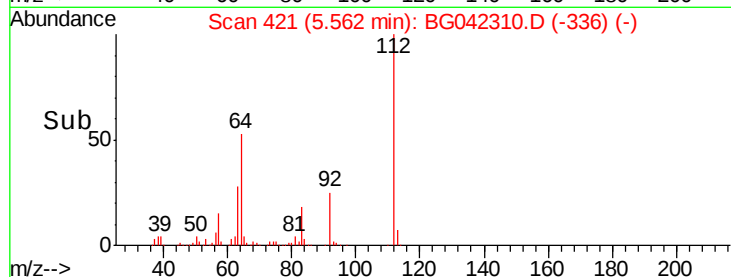
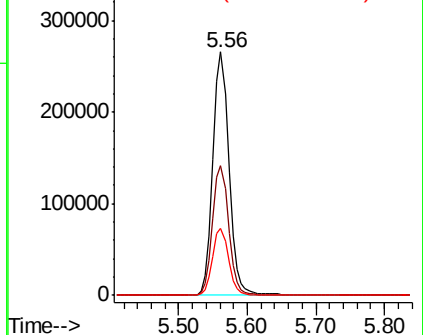
63 27.8 29.1 43.7#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 118.559 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042310.D

Acq: 18 Aug 2019 6:12

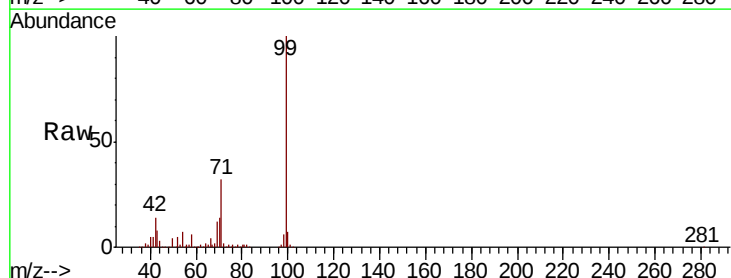
Tgt Ion: 99 Resp: 527736

Ion Ratio Lower Upper

99 100

42 14.2 17.6 26.4#

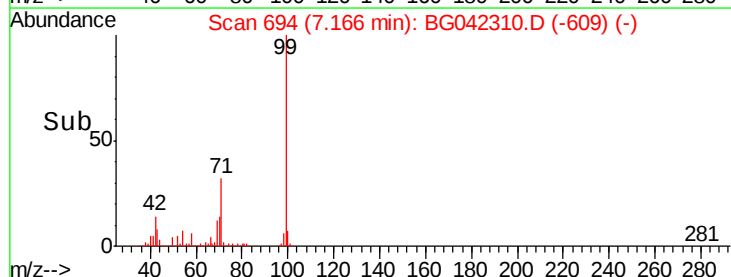
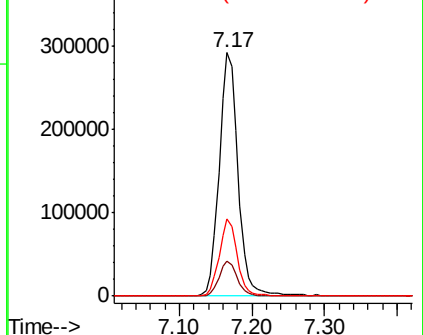
71 31.5 27.8 41.6

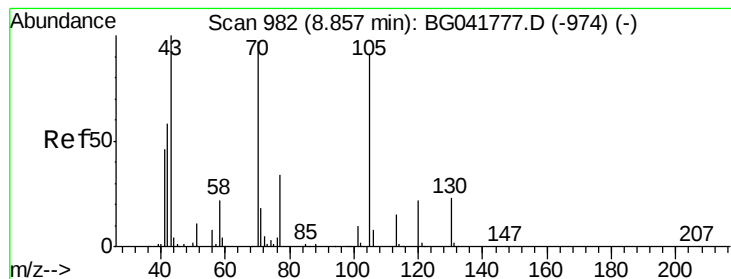


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 14.063 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.32 min

Lab File: BG042310.D

Acq: 18 Aug 2019 6:12

Instrument :

BNA_G

ClientSampleId :

R1-R2-C1-C4-(0-1)

Tgt Ion: 70 Resp: 45448

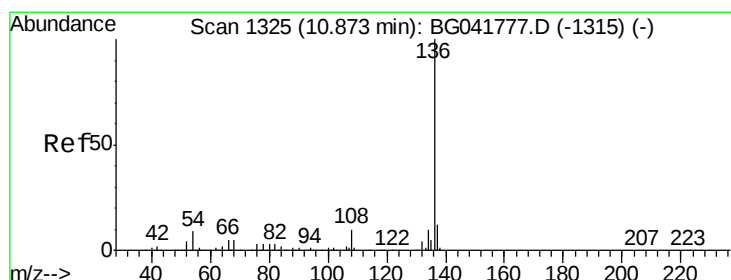
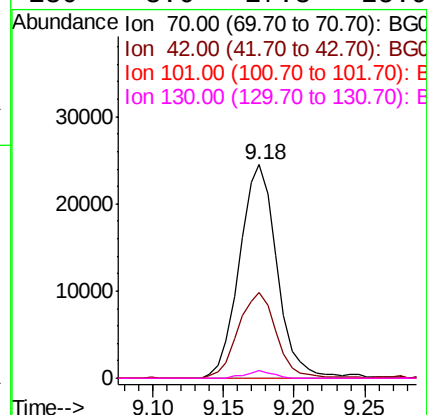
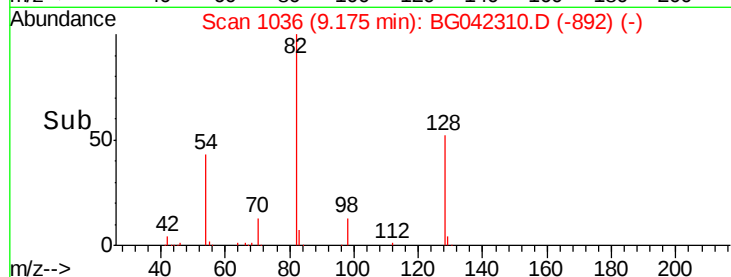
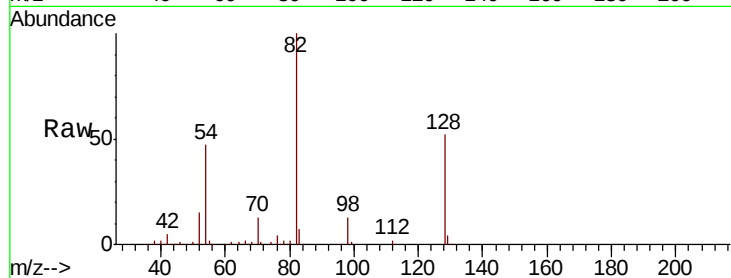
Ion Ratio Lower Upper

70 100

42 39.9 55.8 83.6#

101 0.0 8.1 12.1#

130 3.6 17.3 25.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. -0.04 min

Lab File: BG042310.D

Acq: 18 Aug 2019 6:12

Tgt Ion: 136 Resp: 239625

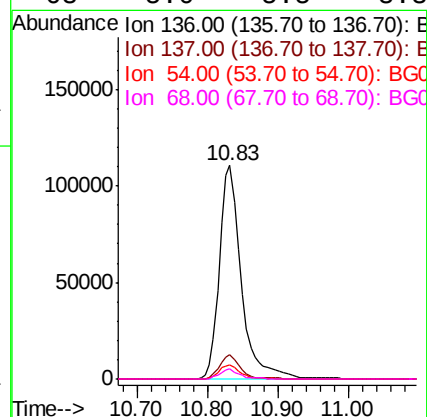
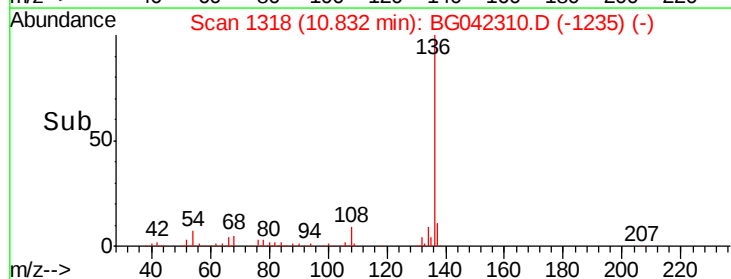
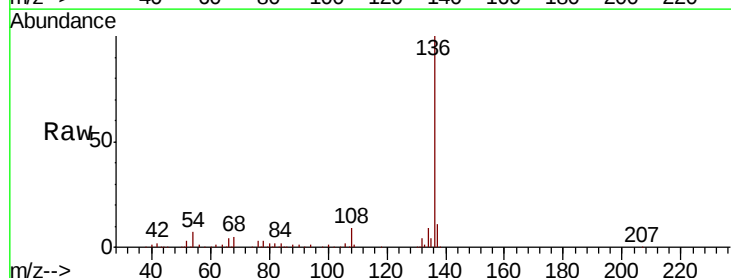
Ion Ratio Lower Upper

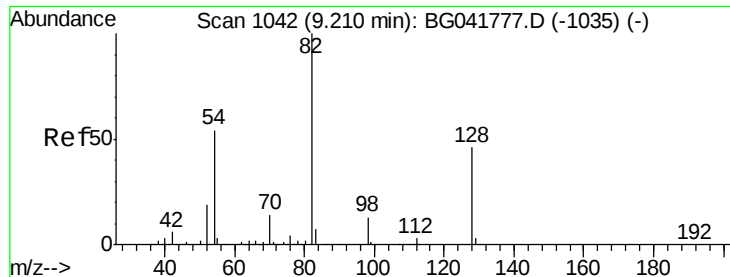
136 100

137 11.5 9.2 13.8

54 6.8 8.7 13.1#

68 5.0 5.5 8.3#

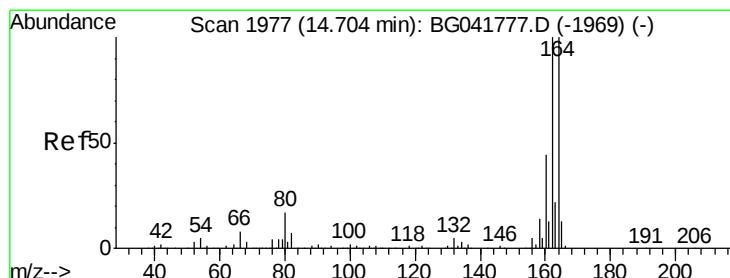
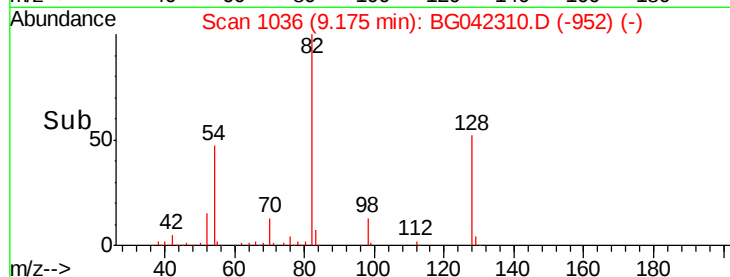
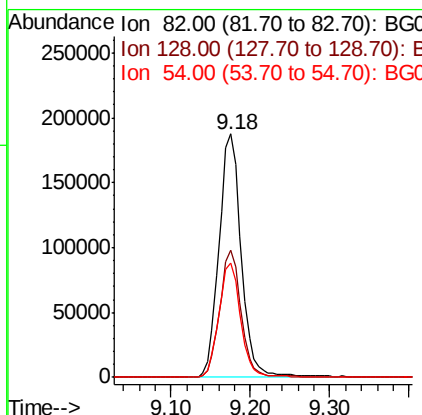
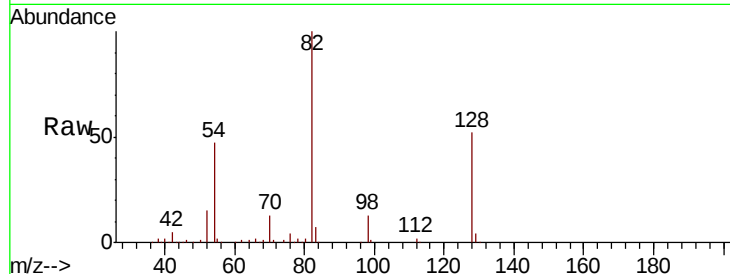




#23
 Nitrobenzene-d5
 Concen: 105.053 ng
 RT: 9.18 min Scan# 1036
 Delta R.T. -0.03 min
 Lab File: BG042310.D
 Acq: 18 Aug 2019 6:12

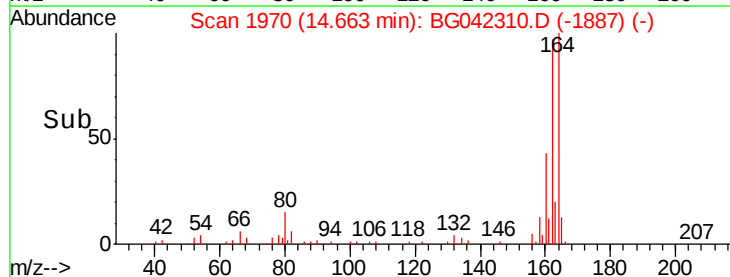
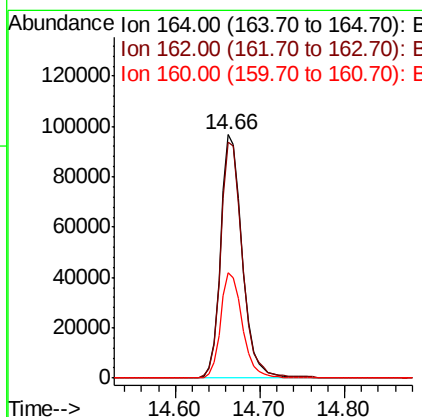
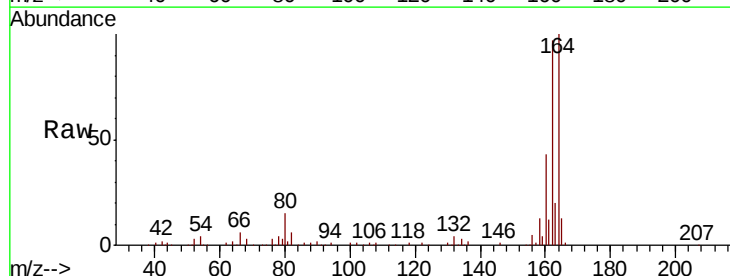
Instrument :
 BNA_G
 ClientSampleId :
 R1-R2-C1-C4-(0-1)

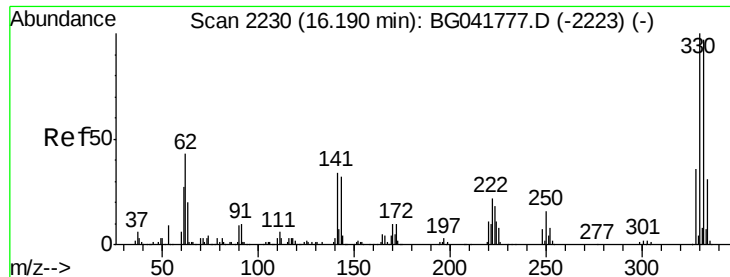
Tgt Ion: 82 Resp: 365805
 Ion Ratio Lower Upper
 82 100
 128 52.3 35.1 52.7
 54 47.1 48.7 73.1#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.04 min
 Lab File: BG042310.D
 Acq: 18 Aug 2019 6:12

Tgt Ion: 164 Resp: 171341
 Ion Ratio Lower Upper
 164 100
 162 96.8 79.6 119.4
 160 43.5 35.4 53.0

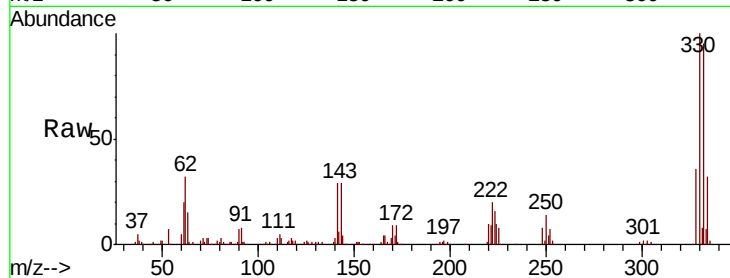




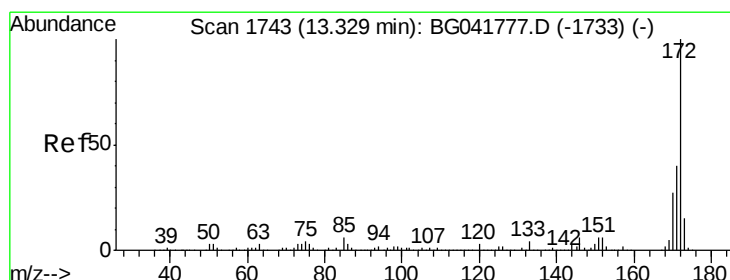
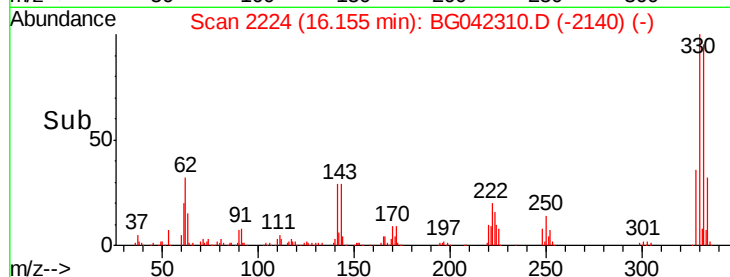
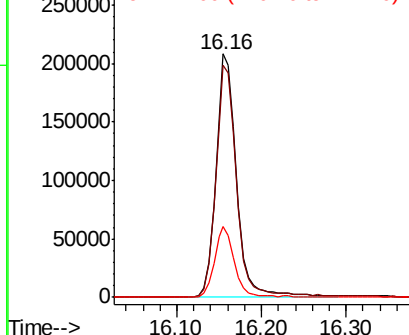
#42
 2,4,6-Tribromophenol
 Concen: 183.427 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.03 min
 Lab File: BG042310.D
 Acq: 18 Aug 2019 6:12

Instrument :
 BNA_G
 ClientSampleId :
 R1-R2-C1-C4-(0-1)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.4	116.0
141	28.9	31.9	47.9#

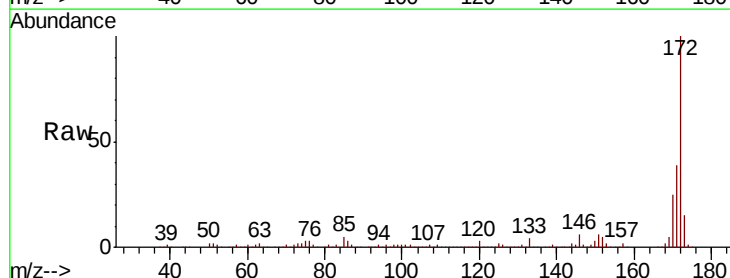


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

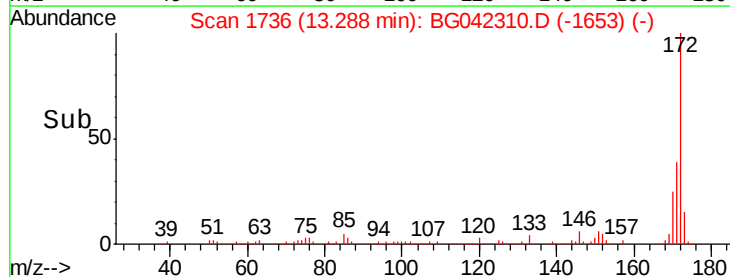
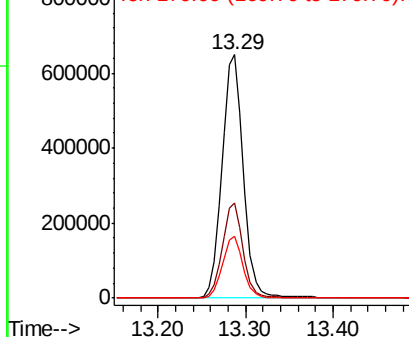


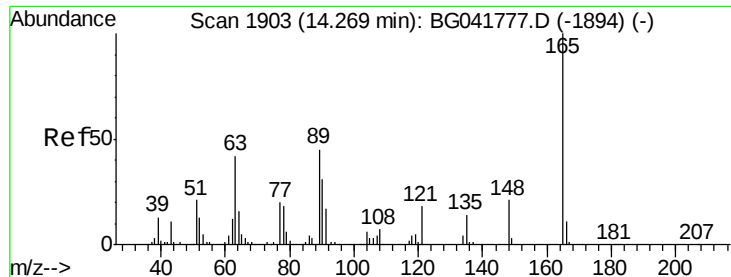
#45
 2-Fluorobiphenyl
 Concen: 112.616 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.04 min
 Lab File: BG042310.D
 Acq: 18 Aug 2019 6:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.1	35.0	52.4
170	25.2	23.5	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

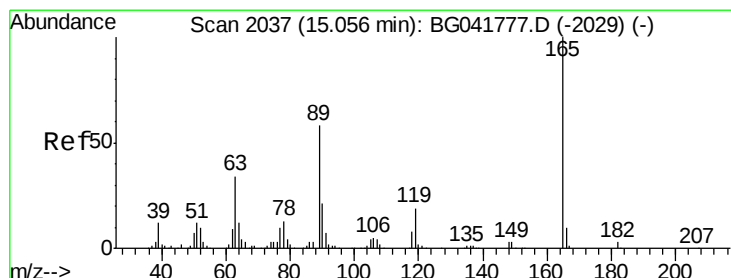
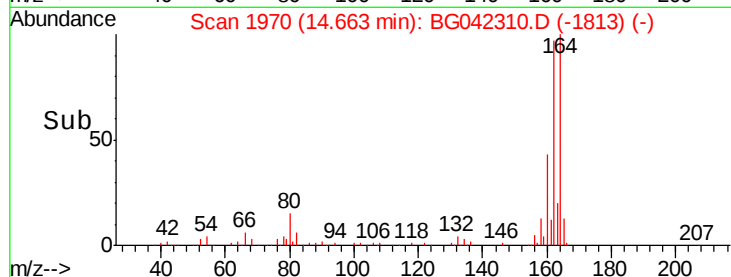
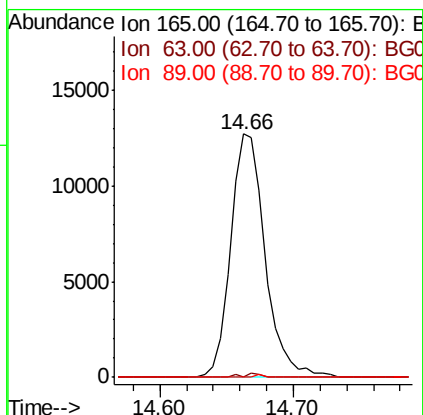
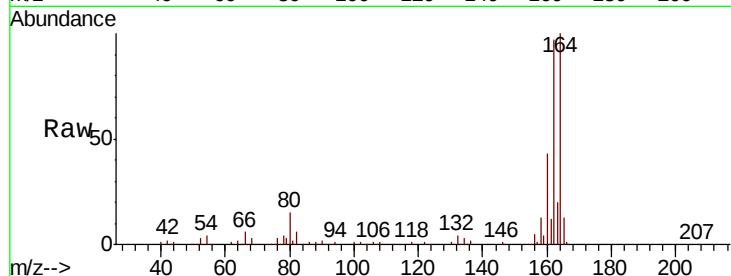




#51
 2,6-Dinitrotoluene
 Concen: 9.311 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.39 min
 Lab File: BG042310.D
 Acq: 18 Aug 2019 6:12

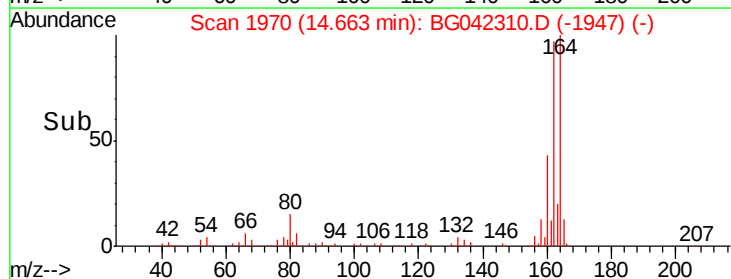
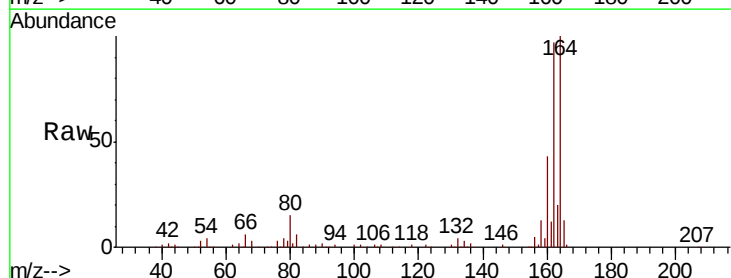
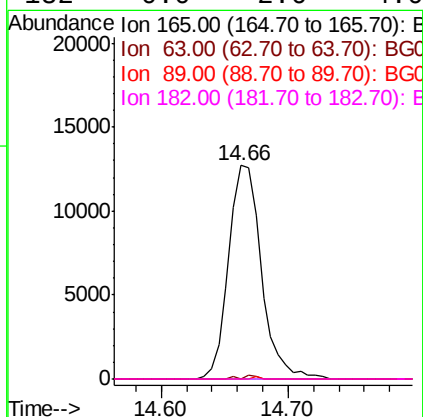
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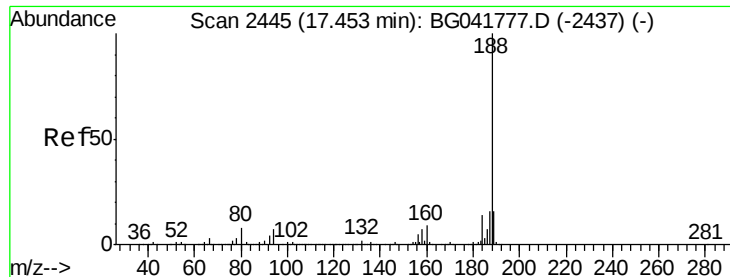
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.4	63.6#
89	0.0	42.1	63.1#



#57
 2,4-Dinitrotoluene
 Concen: 6.771 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.39 min
 Lab File: BG042310.D
 Acq: 18 Aug 2019 6:12

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.03 min

Lab File: BG042310.D

Acq: 18 Aug 2019 6:12

Instrument :

BNA_G

ClientSampleId :

R1-R2-C1-C4-(0-1)

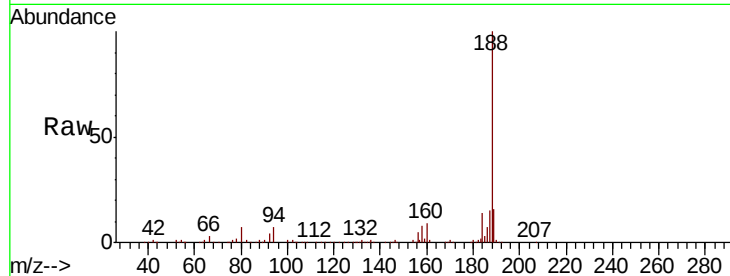
Tgt Ion:188 Resp: 417610

Ion Ratio Lower Upper

188 100

94 6.7 6.9 10.3#

80 7.0 8.0 12.0#



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

300000

250000

200000

150000

100000

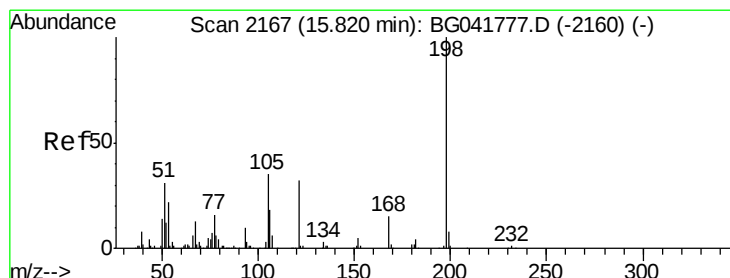
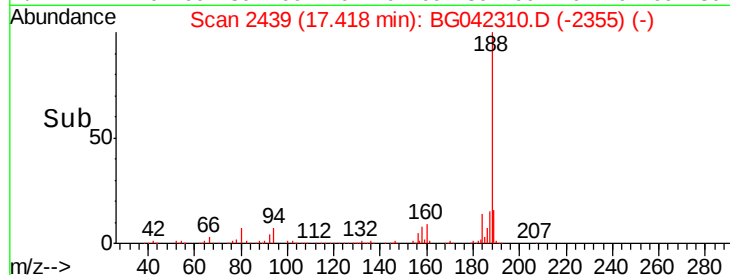
50000

0

17.42

17.30 17.40 17.50

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 7.145 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.34 min

Lab File: BG042310.D

Acq: 18 Aug 2019 6:12

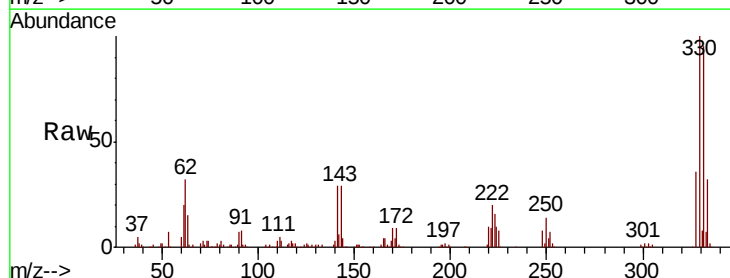
Tgt Ion:198 Resp: 698

Ion Ratio Lower Upper

198 100

51 93.2 22.3 62.3#

105 134.7 18.0 58.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

1000

800

600

400

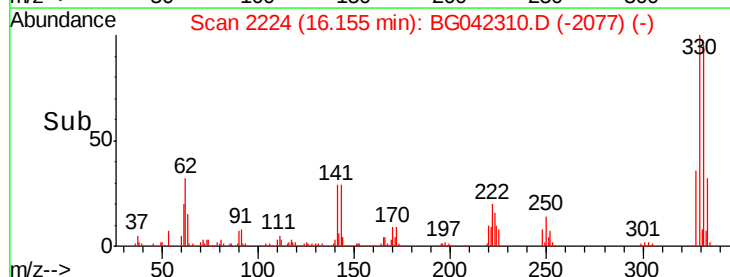
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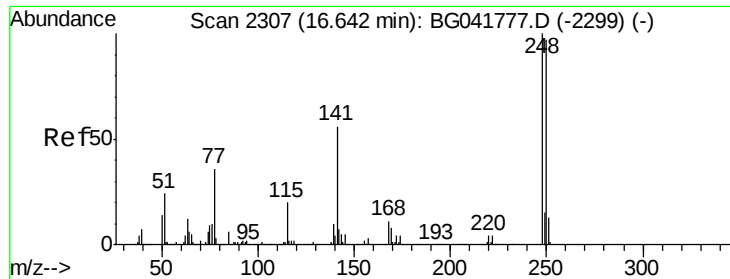
0

16.16

16.15

Time-->

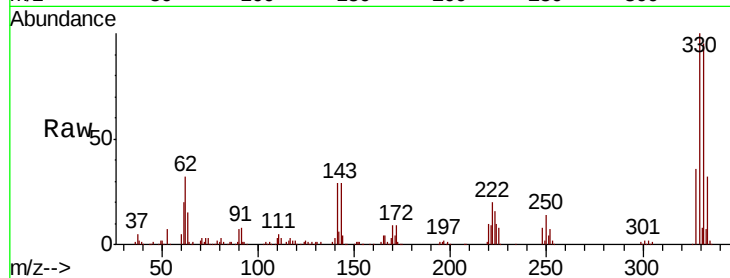




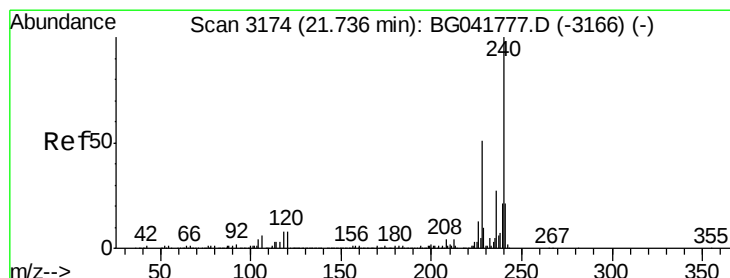
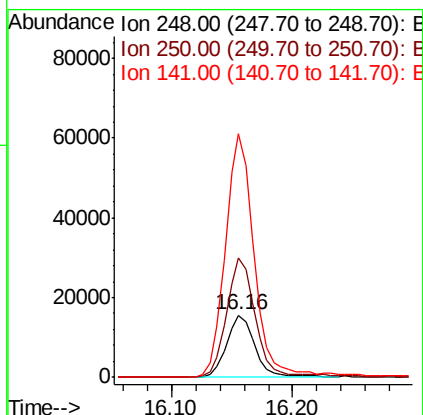
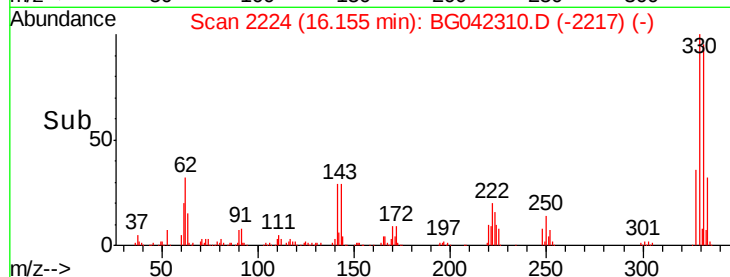
#67
 4-Bromophenyl-phenylether
 Concen: 4.950 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.49 min
 Lab File: BG042310.D
 Acq: 18 Aug 2019 6:12

Instrument :
 BNA_G
 ClientSampleId :
 R1-R2-C1-C4-(0-1)

Tgt Ion:248 Resp: 25462
 Ion Ratio Lower Upper
 248 100
 250 191.2 78.1 117.1#
 141 390.2 49.6 74.4#

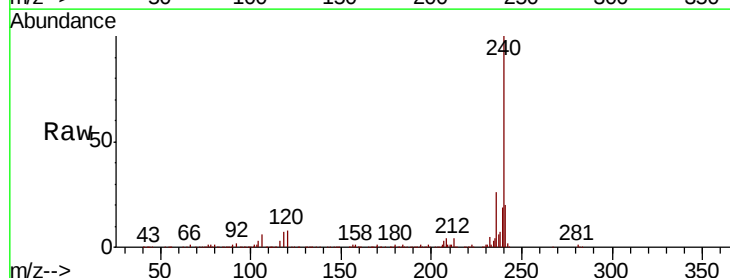


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

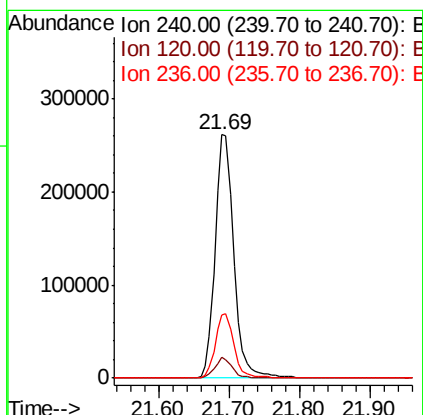
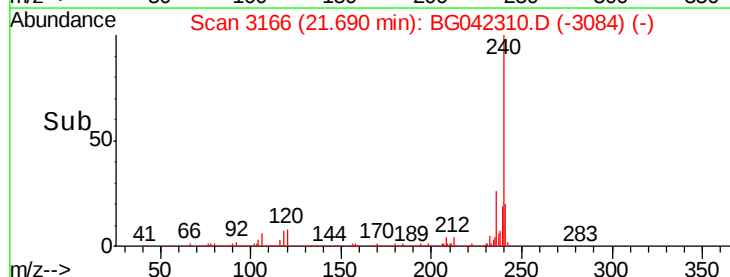


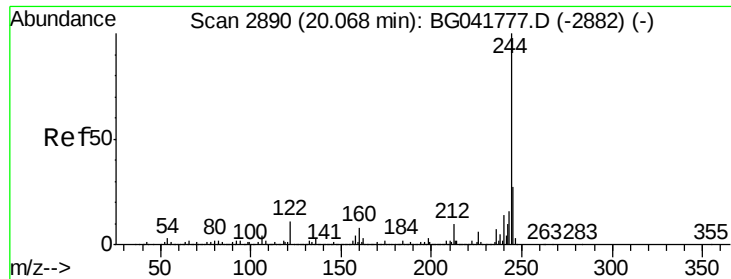
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.05 min
 Lab File: BG042310.D
 Acq: 18 Aug 2019 6:12

Tgt Ion:240 Resp: 484539
 Ion Ratio Lower Upper
 240 100
 120 8.4 8.0 12.0
 236 26.0 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: 100.748 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042310.D

Acq: 18 Aug 2019 6:12

Instrument :

BNA_G

ClientSampleId :

R1-R2-C1-C4-(0-1)

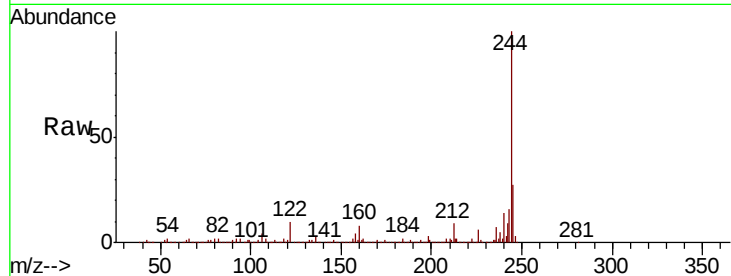
Tgt Ion:244 Resp: 2133336

Ion Ratio Lower Upper

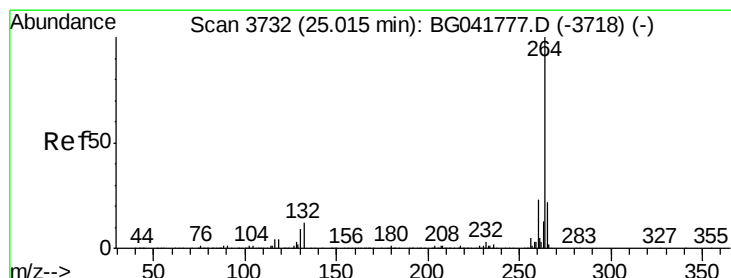
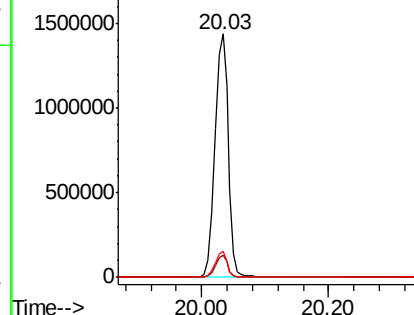
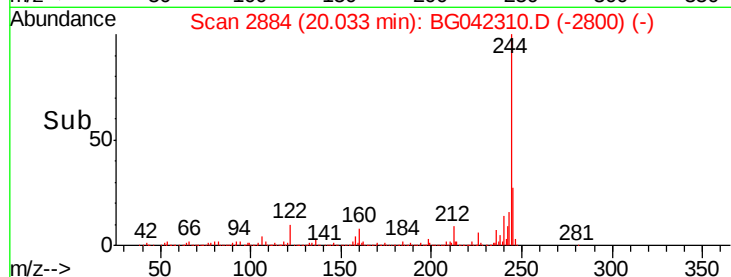
244 100

212 9.2 9.7 14.5#

122 10.5 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: 24.94 min Scan# 3719

Delta R.T. -0.08 min

Lab File: BG042310.D

Acq: 18 Aug 2019 6:12

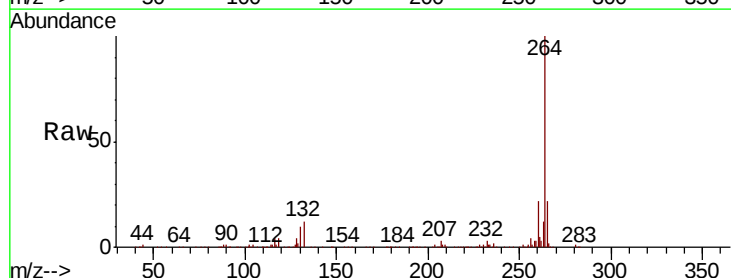
Tgt Ion:264 Resp: 549193

Ion Ratio Lower Upper

264 100

260 22.4 19.5 29.3

265 21.6 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

