

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042286.D
 Acq On : 17 Aug 2019 12:16
 Operator : HP/JU
 Sample : K4356-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Quant Time: Aug 19 05:56:11 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	68785	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	254706	20.00	ng	-0.04
39) Acenaphthene-d10	14.66	164	177143	20.00	ng	-0.04
64) Phenanthrene-d10	17.42	188	448192	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	503080	20.00	ng	-0.04
87) Perylene-d12	24.94	264	377564	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	438022	123.90	ng	-0.03
7) Phenol-d6	7.17	99	533747	111.98	ng	-0.02
23) Nitrobenzene-d5	9.18	82	368557	99.58	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	380664	189.19	ng	-0.03
45) 2-Fluorobiphenyl	13.28	172	1116727	111.19	ng	-0.04
79) Terphenyl-d14	20.04	244	2094249	95.26	ng	-0.03

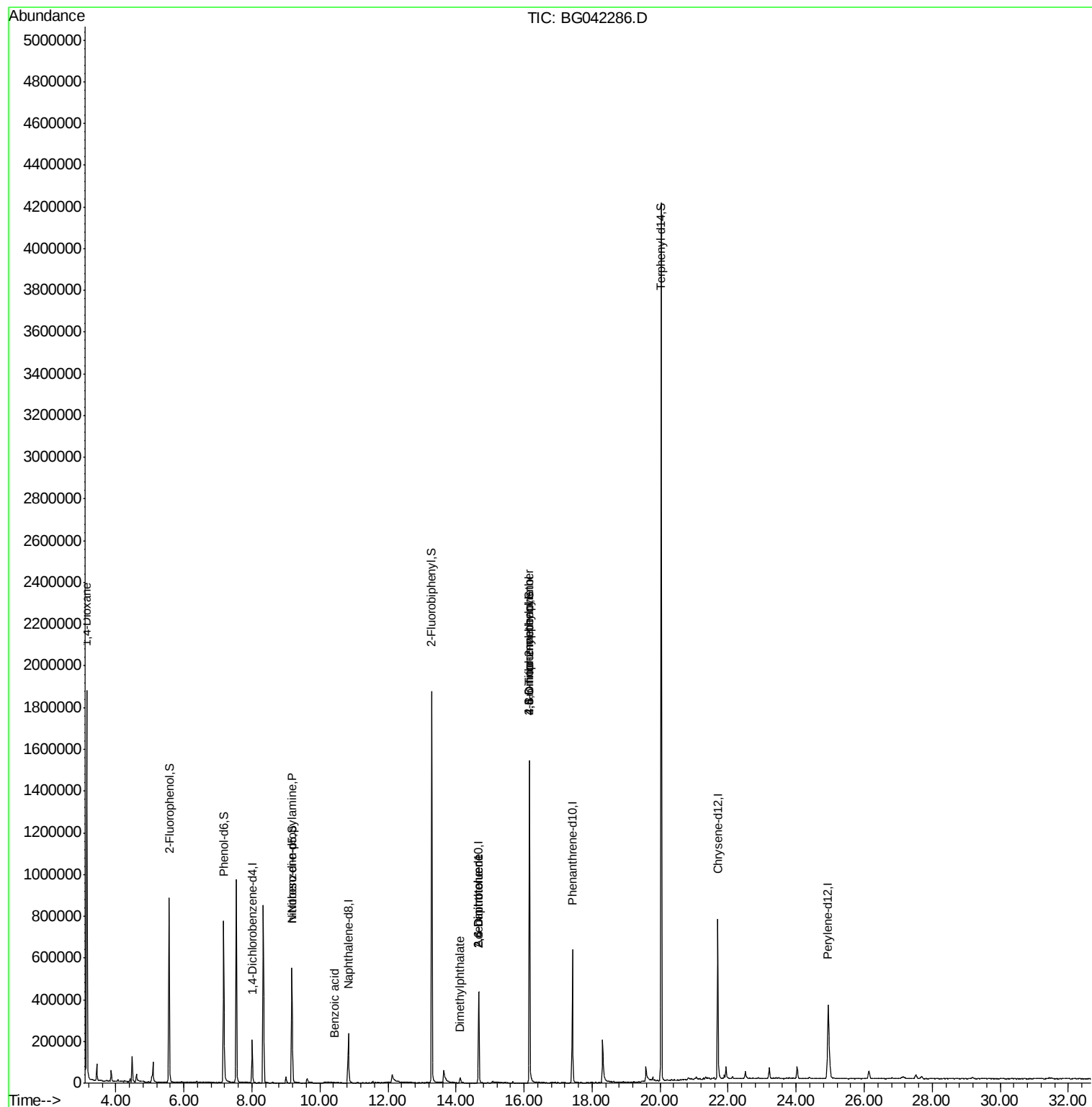
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	20993	12.616	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	47155	13.627	ng	# 61
32) Benzoic acid	10.42	122	292	8.833	ng	87
50) Dimethylphthalate	14.12	163	29606	2.447	ng	97
51) 2,6-Dinitrotoluene	14.66	165	23511	9.294	ng	# 27
57) 2,4-Dinitrotoluene	14.66	165	23511	6.758	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.15	198	865	7.190	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	26478	4.796	ng	# 1

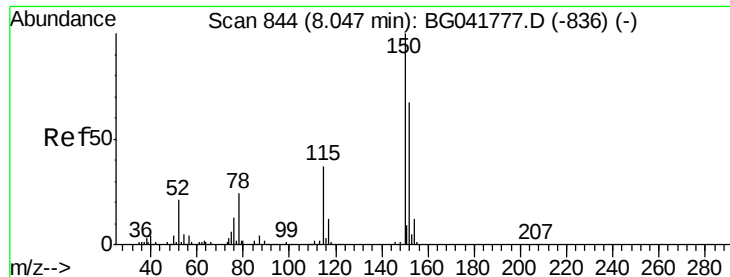
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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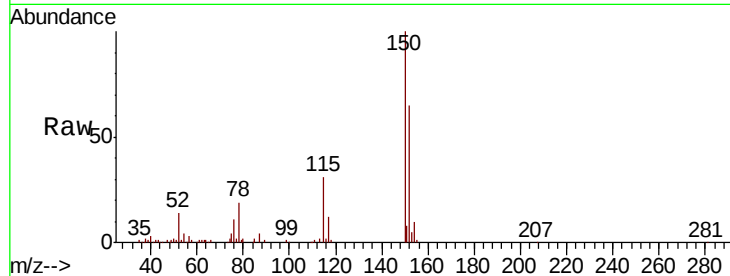


#1

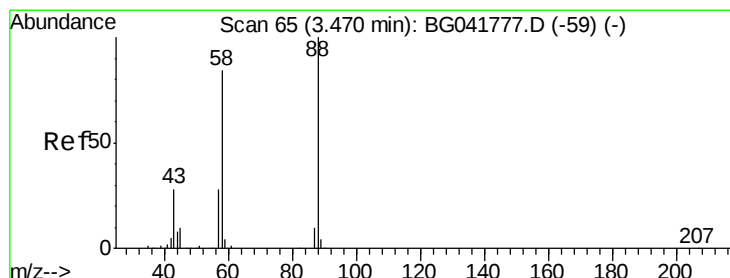
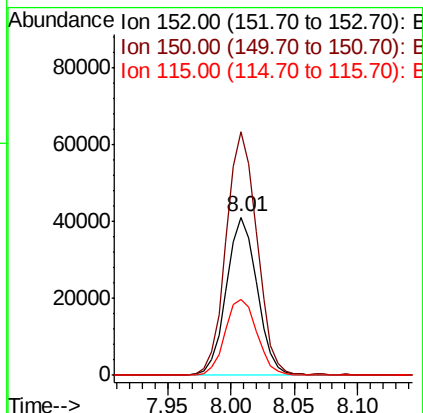
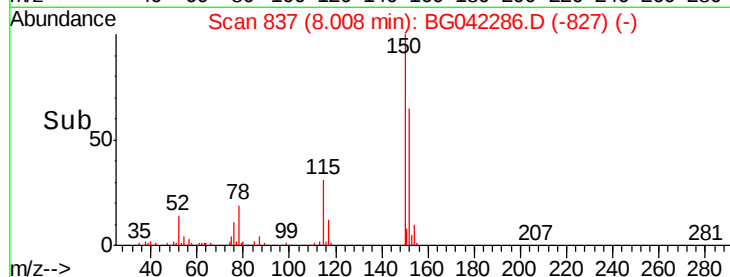
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.04 min
Lab File: BG042286.D
Acq: 17 Aug 2019 12:16

Instrument :
BNA_G
ClientSampleId :
TP-5

Tgt Ion:152 Resp: 68785
Ion Ratio Lower Upper
152 100
150 153.7 126.9 190.3
115 47.8 45.0 67.6



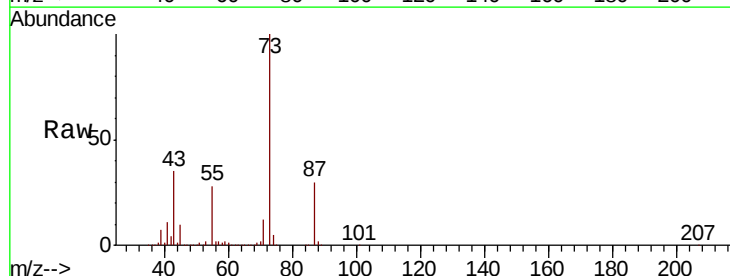
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



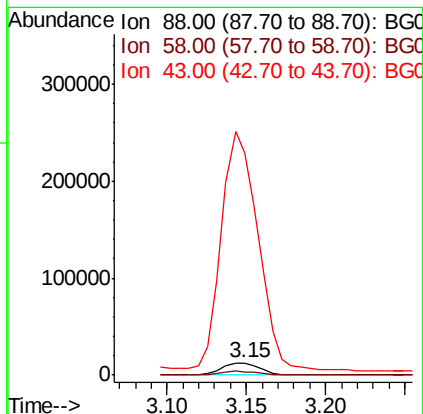
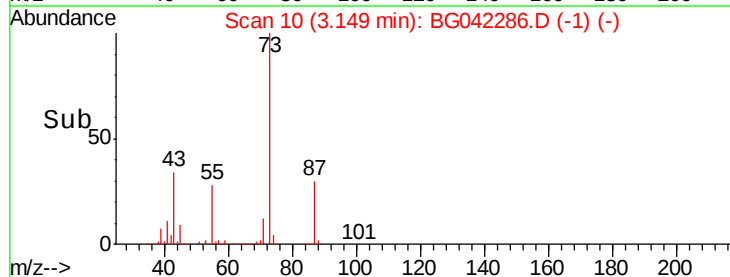
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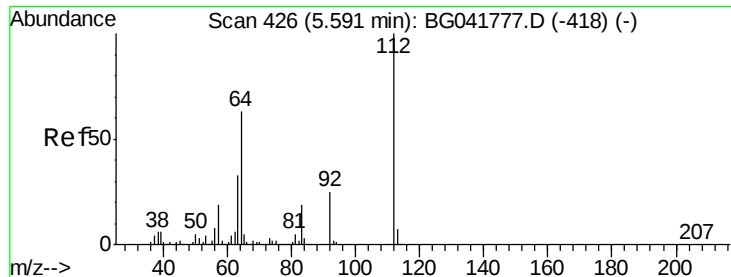
1,4-Dioxane
Concen: 12.616 ng
RT: 3.15 min Scan# 10
Delta R.T. -0.32 min
Lab File: BG042286.D
Acq: 17 Aug 2019 12:16

Tgt Ion: 88 Resp: 20993
Ion Ratio Lower Upper
88 100
58 25.6 76.2 114.2#
43 1901.3 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: 123.897 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042286.D

Acq: 17 Aug 2019 12:16

Instrument :

BNA_G

ClientSampleId :

TP-5

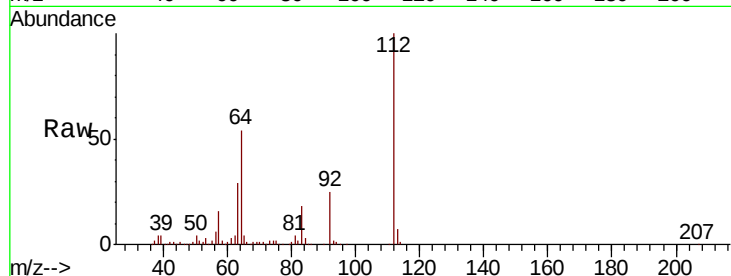
Tgt Ion:112 Resp: 438022

Ion Ratio Lower Upper

112 100

64 54.1 55.4 83.2#

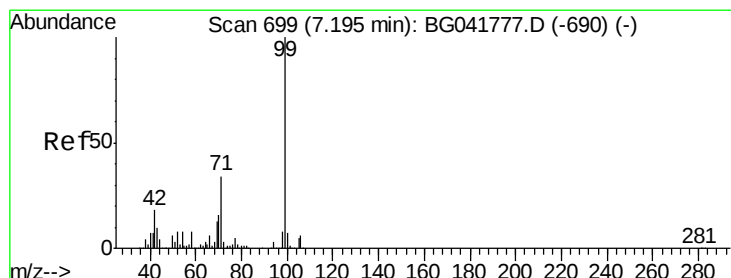
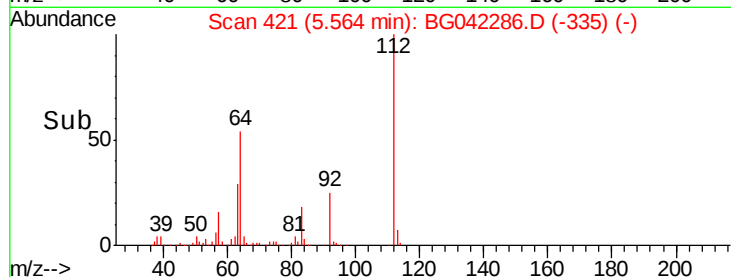
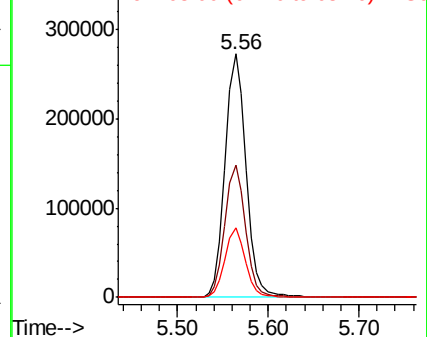
63 28.8 29.1 43.7#



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: 111.985 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG042286.D

Acq: 17 Aug 2019 12:16

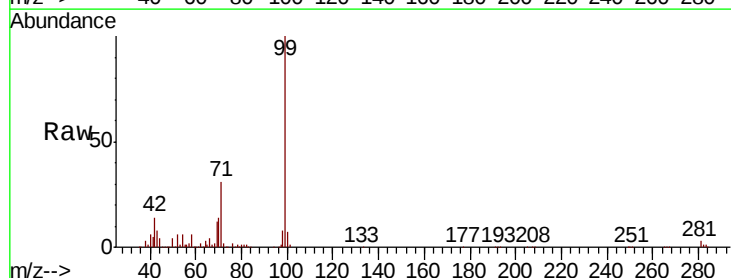
Tgt Ion: 99 Resp: 533747

Ion Ratio Lower Upper

99 100

42 13.7 17.6 26.4#

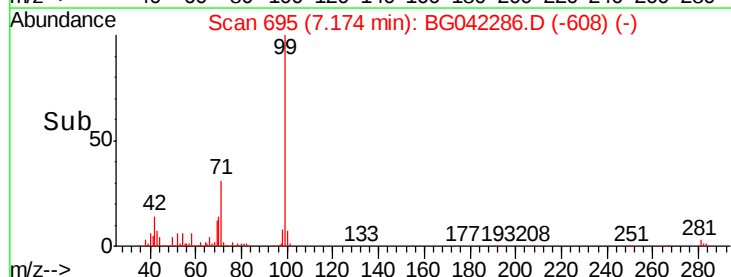
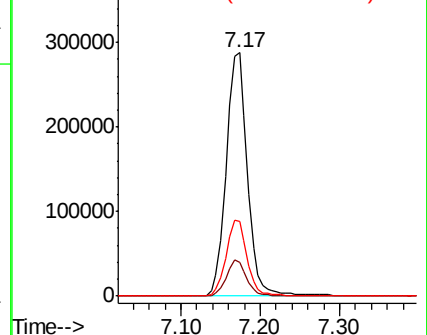
71 30.9 27.8 41.6

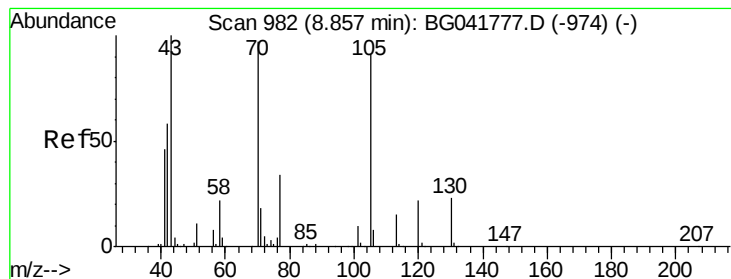


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 13.627 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.31 min

Lab File: BG042286.D

Acq: 17 Aug 2019 12:16

Instrument :

BNA_G

ClientSampleId :

TP-5

Tgt Ion: 70 Resp: 47155

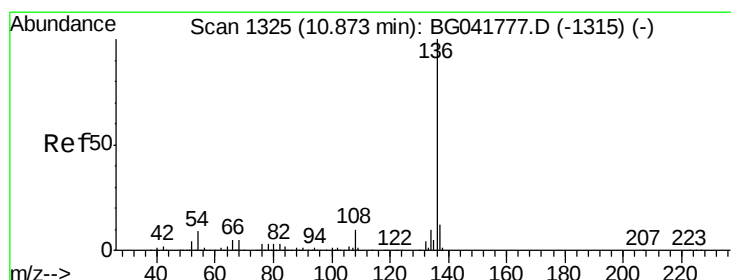
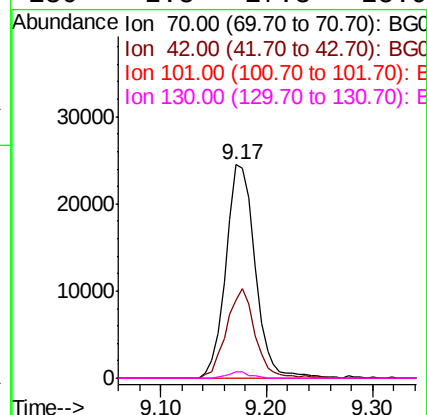
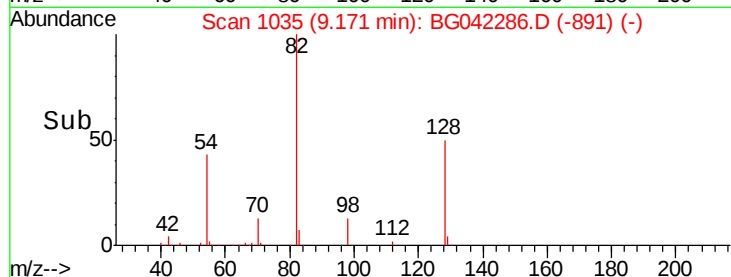
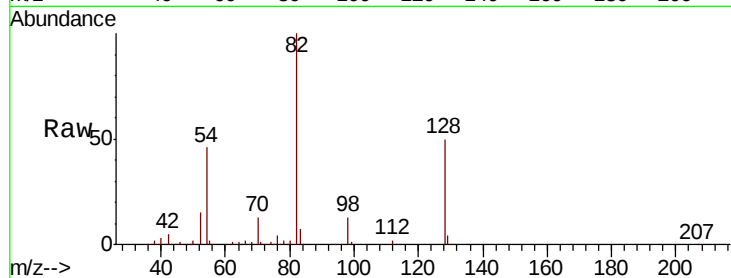
Ion Ratio Lower Upper

70 100

42 36.8 55.8 83.6#

101 0.0 8.1 12.1#

130 2.8 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: BG042286.D

Acq: 17 Aug 2019 12:16

Tgt Ion: 136 Resp: 254706

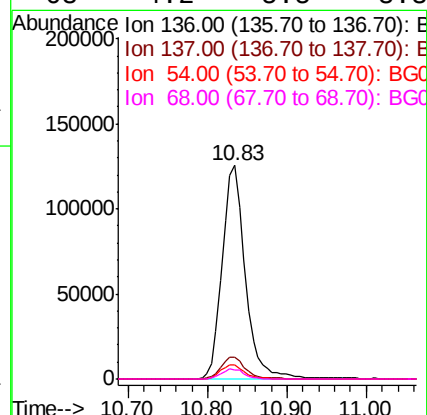
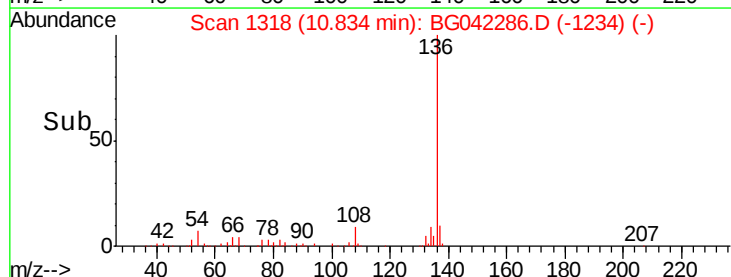
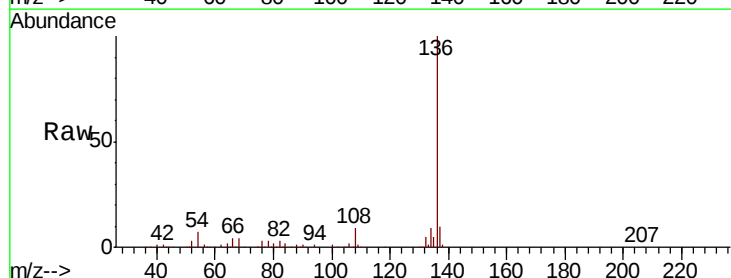
Ion Ratio Lower Upper

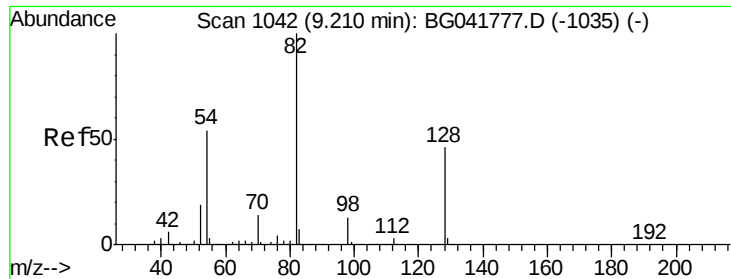
136 100

137 10.4 9.2 13.8

54 6.7 8.7 13.1#

68 4.2 5.5 8.3#

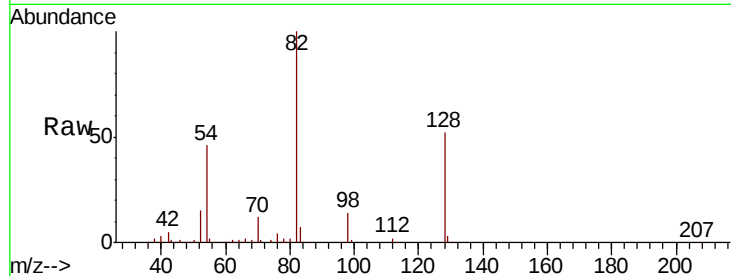




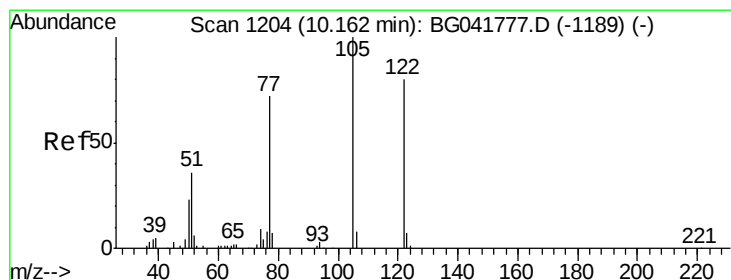
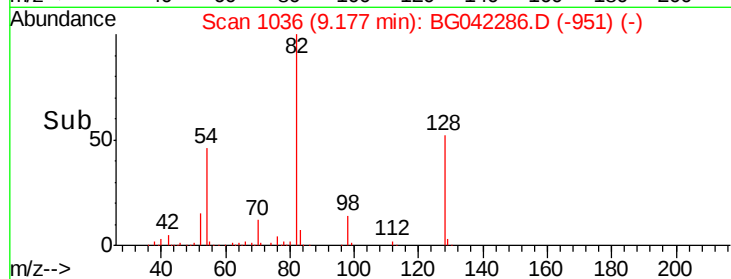
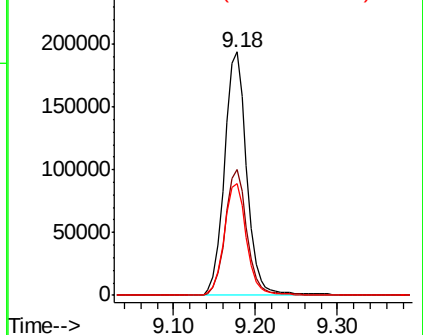
#23
 Nitrobenzene-d5
 Concen: 99.576 ng
 RT: 9.18 min Scan# 1036
 Delta R.T. -0.03 min
 Lab File: BG042286.D
 Acq: 17 Aug 2019 12:16

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Tgt Ion: 82 Resp: 368557
 Ion Ratio Lower Upper
 82 100
 128 51.9 35.1 52.7
 54 46.1 48.7 73.1#

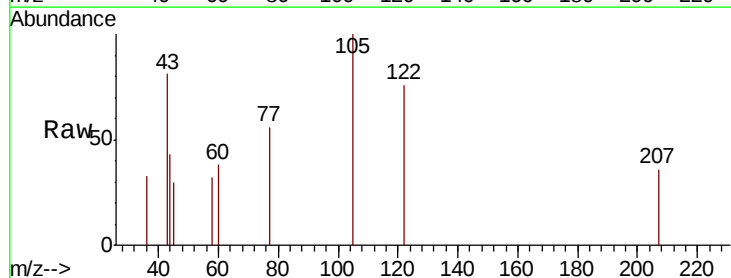


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

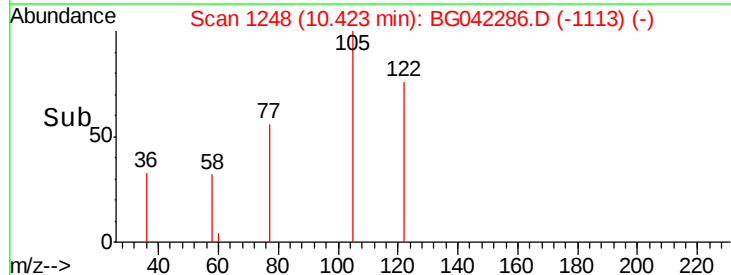
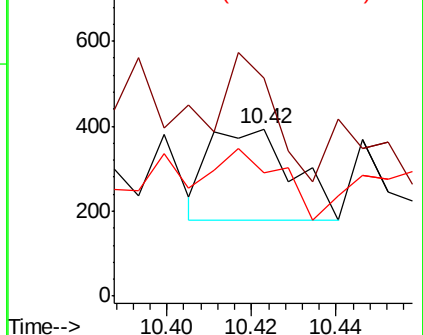


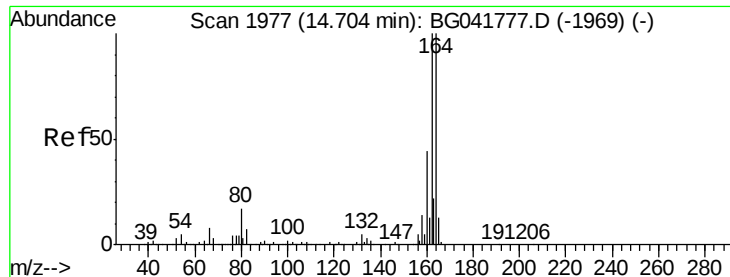
#32
 Benzoic acid
 Concen: 8.833 ng
 RT: 10.42 min Scan# 1248
 Delta R.T. 0.26 min
 Lab File: BG042286.D
 Acq: 17 Aug 2019 12:16

Tgt Ion: 122 Resp: 292
 Ion Ratio Lower Upper
 122 100
 105 130.8 101.5 141.5
 77 73.8 73.0 113.0



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC

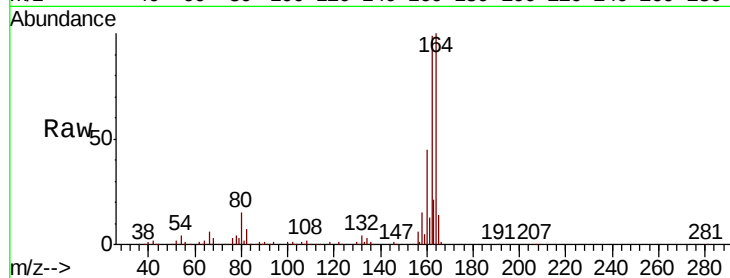




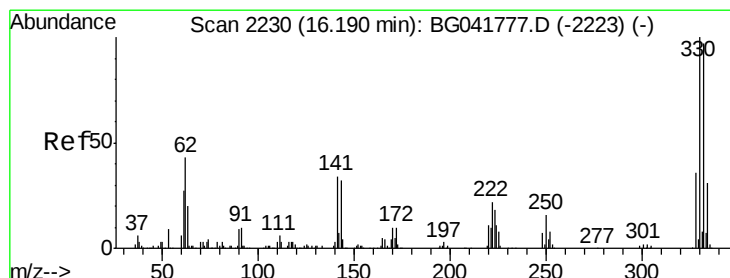
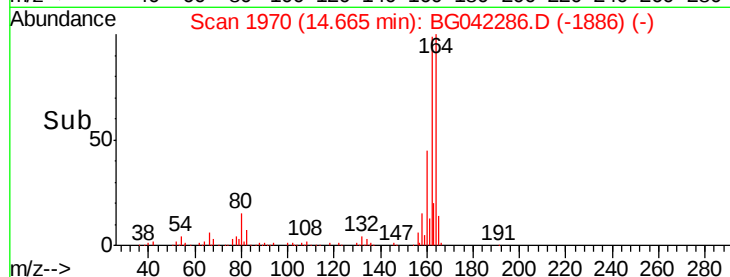
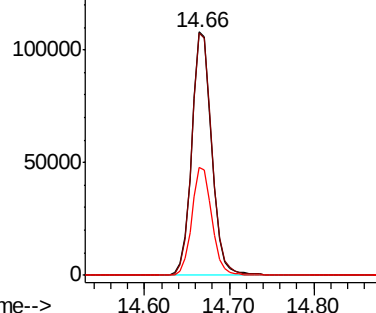
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.04 min
 Lab File: BG042286.D
 Acq: 17 Aug 2019 12:16

Instrument :
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 ClientSampleId :
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Tgt Ion:164 Resp: 177143
 Ion Ratio Lower Upper
 164 100
 162 99.4 79.6 119.4
 160 44.6 35.4 53.0

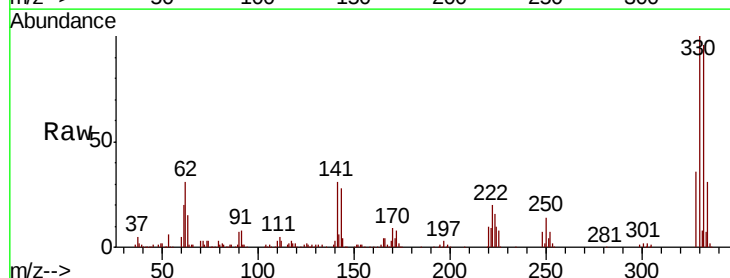


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

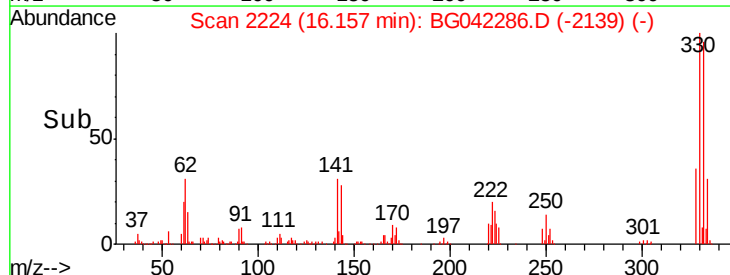
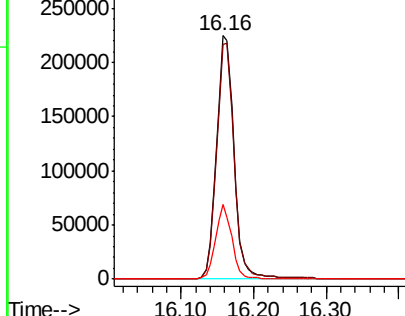


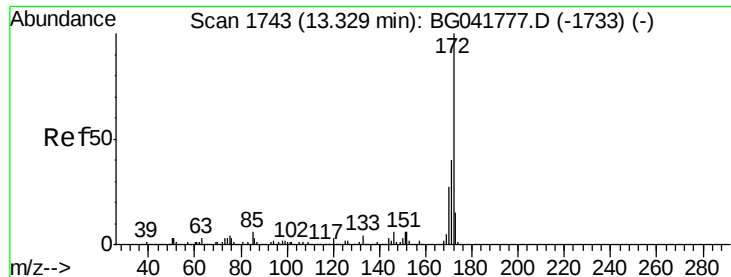
#42
 2,4,6-Tribromophenol
 Concen: 189.187 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.03 min
 Lab File: BG042286.D
 Acq: 17 Aug 2019 12:16

Tgt Ion:330 Resp: 380664
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.4 116.0
 141 28.4 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

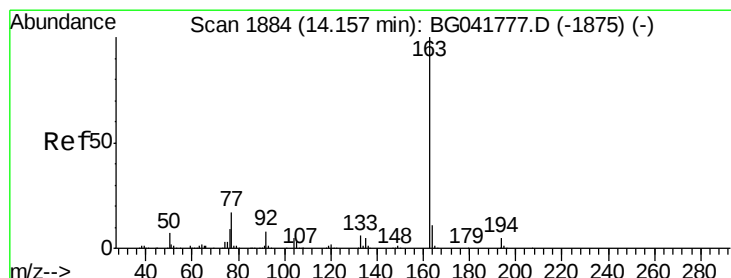
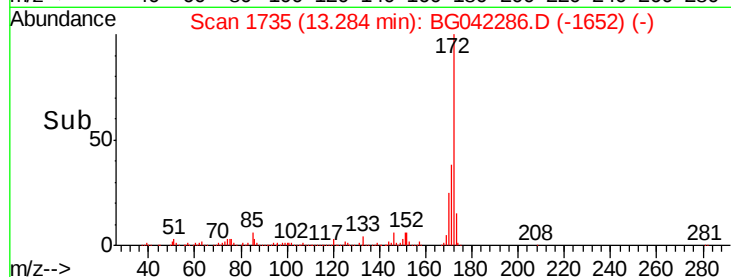
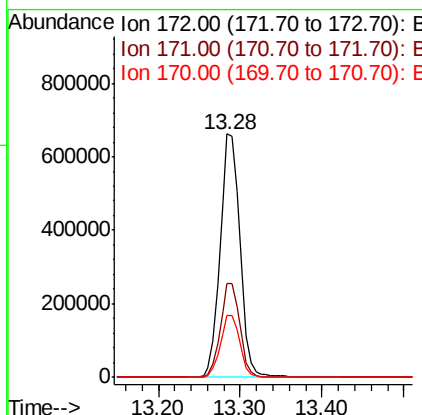
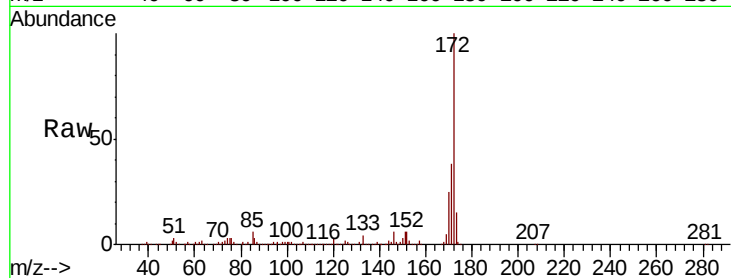




#45
2-Fluorobiphenyl
Concen: 111.187 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.04 min
Lab File: BG042286.D
Acq: 17 Aug 2019 12:16

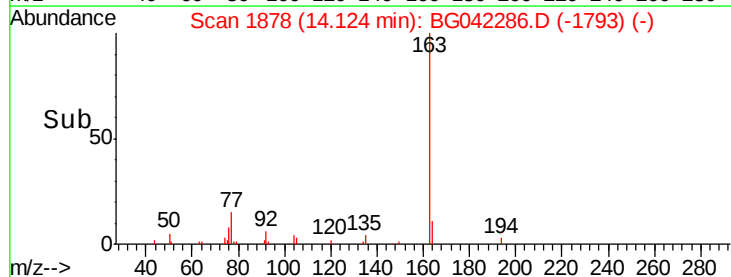
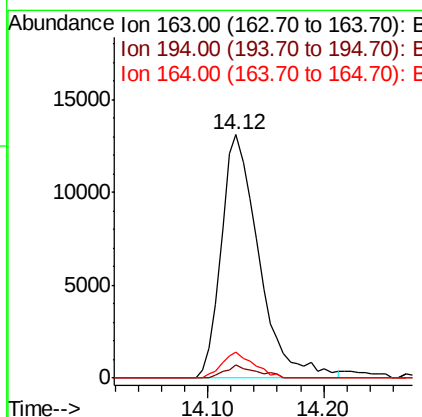
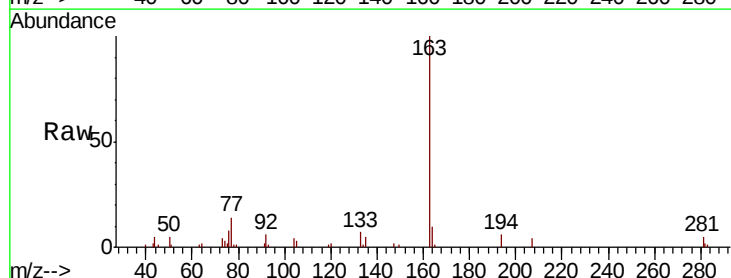
Instrument :
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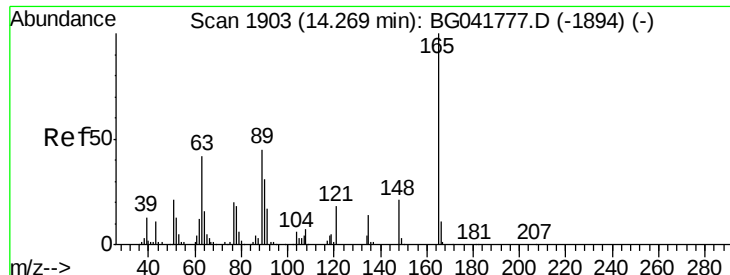
Tgt Ion:172 Resp: 1116727
Ion Ratio Lower Upper
172 100
171 38.4 35.0 52.4
170 25.3 23.5 35.3



#50
Dimethylphthalate
Concen: 2.447 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.03 min
Lab File: BG042286.D
Acq: 17 Aug 2019 12:16

Tgt Ion:163 Resp: 29606
Ion Ratio Lower Upper
163 100
194 5.6 4.2 6.2
164 10.4 9.4 14.2

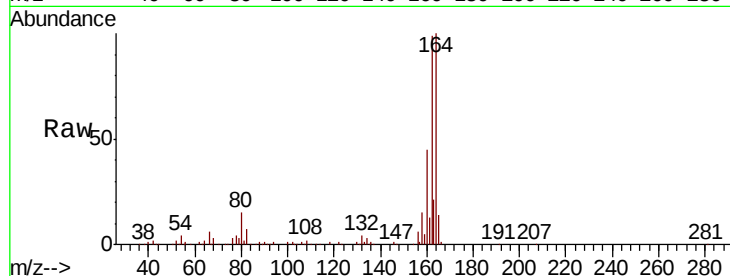




#51
 2,6-Dinitrotoluene
 Concen: 9.294 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG042286.D
 Acq: 17 Aug 2019 12:16

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

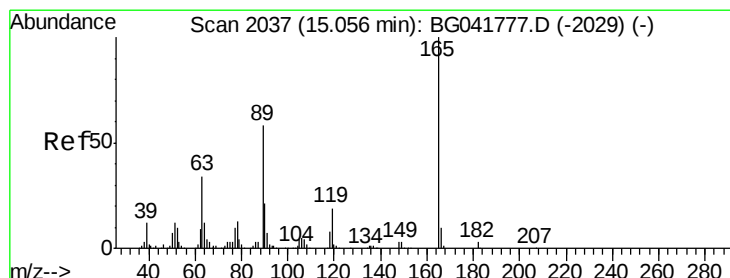
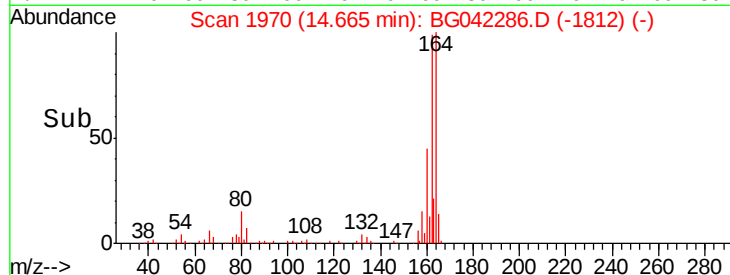
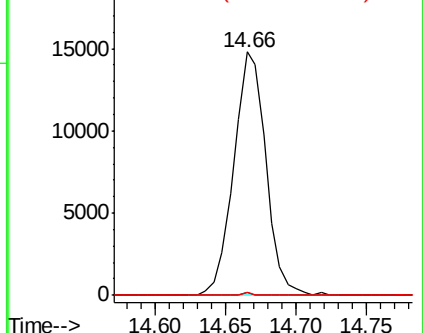
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.4	63.6#
89	1.5	42.1	63.1#



Abundance Ion 165.00 (164.70 to 165.70): E

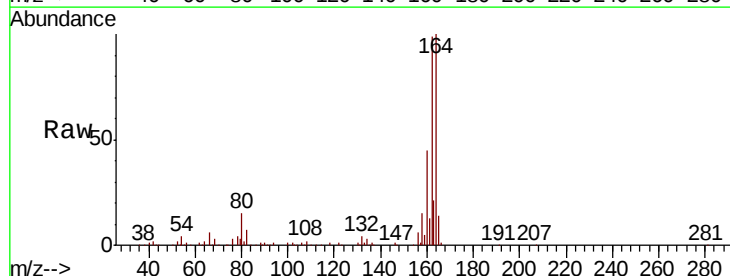
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 6.758 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.39 min
 Lab File: BG042286.D
 Acq: 17 Aug 2019 12:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	31.7	47.5#
89	1.5	50.2	75.4#
182	0.0	2.6	4.0#

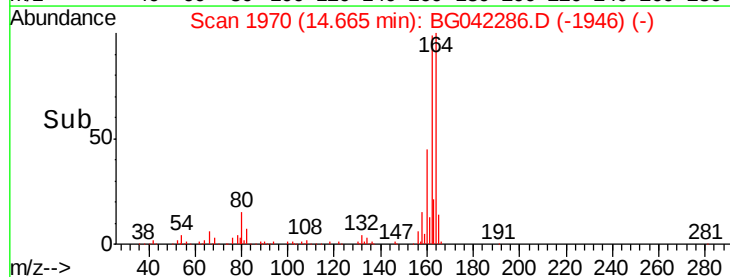
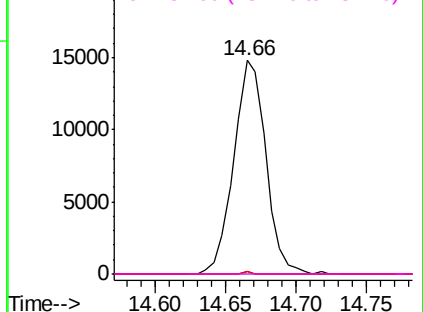


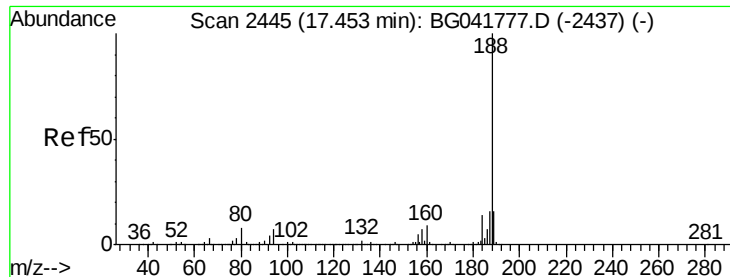
Abundance Ion 165.00 (164.70 to 165.70): E

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

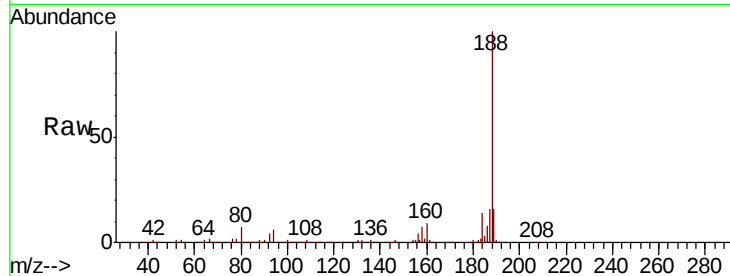




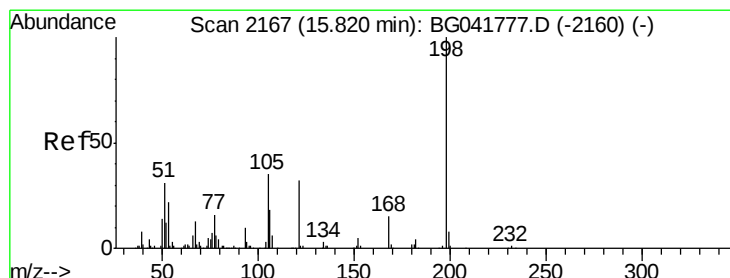
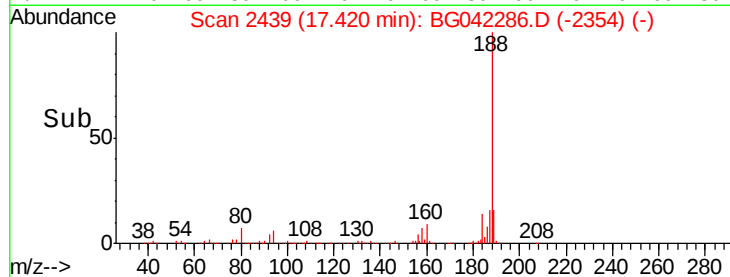
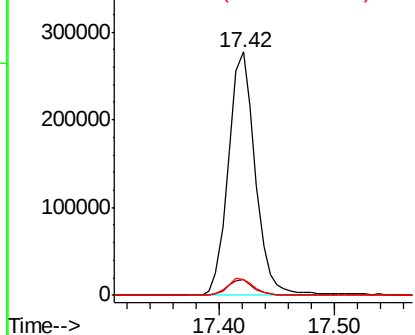
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.03 min
Lab File: BG042286.D
Acq: 17 Aug 2019 12:16

Instrument :
BNA_G
ClientSampleId :
TP-5

Tgt Ion:188 Resp: 448192
Ion Ratio Lower Upper
188 100
94 6.4 6.9 10.3#
80 6.5 8.0 12.0#

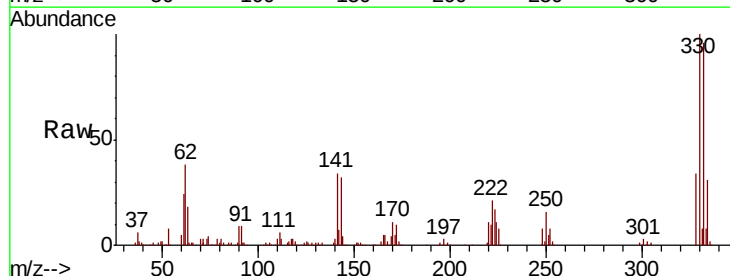


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

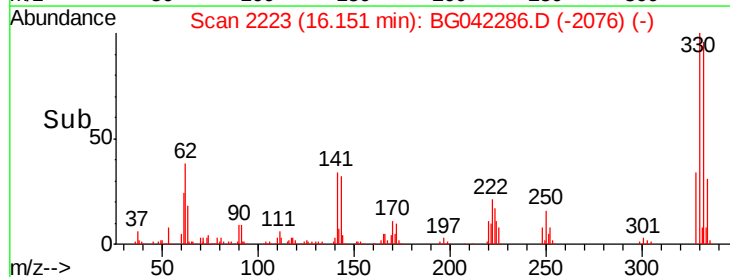
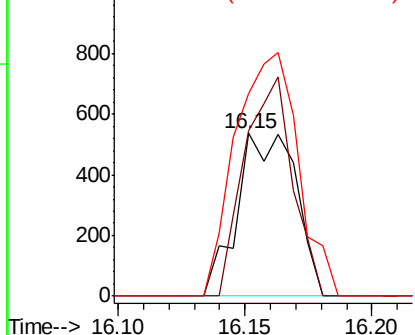


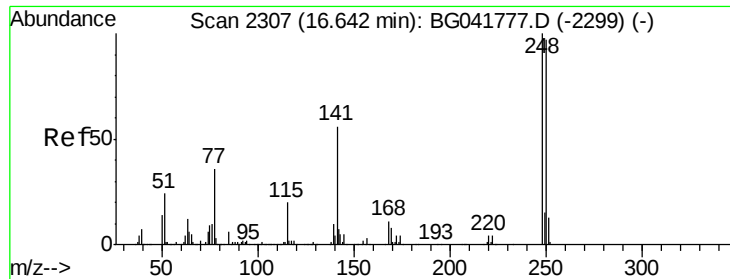
#65
4,6-Dinitro-2-methylphenol
Concen: 7.190 ng
RT: 16.15 min Scan# 2223
Delta R.T. 0.33 min
Lab File: BG042286.D
Acq: 17 Aug 2019 12:16

Tgt Ion:198 Resp: 865
Ion Ratio Lower Upper
198 100
51 101.5 22.3 62.3#
105 124.2 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

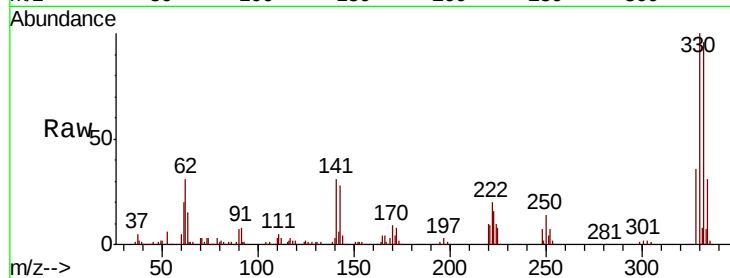




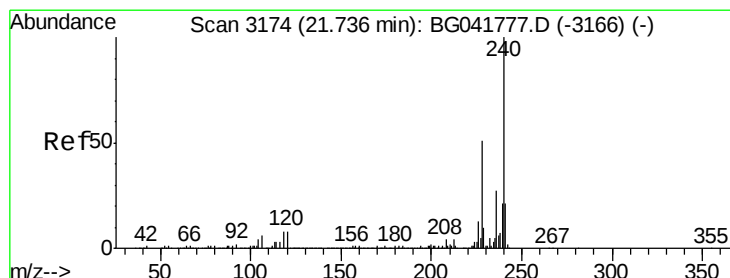
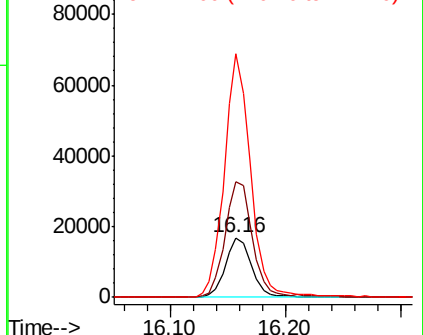
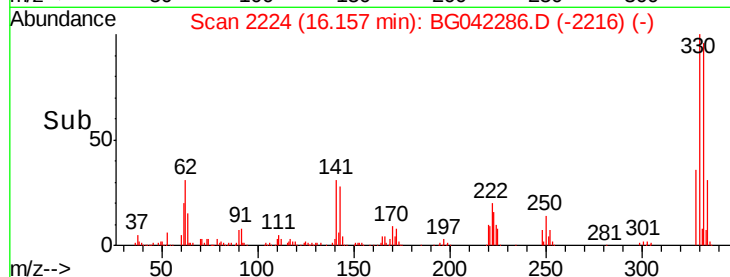
#67
 4-Bromophenyl-phenylether
 Concen: 4.796 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.49 min
 Lab File: BG042286.D
 Acq: 17 Aug 2019 12:16

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Tgt Ion:248 Resp: 26478
 Ion Ratio Lower Upper
 248 100
 250 194.3 78.1 117.1#
 141 410.5 49.6 74.4#

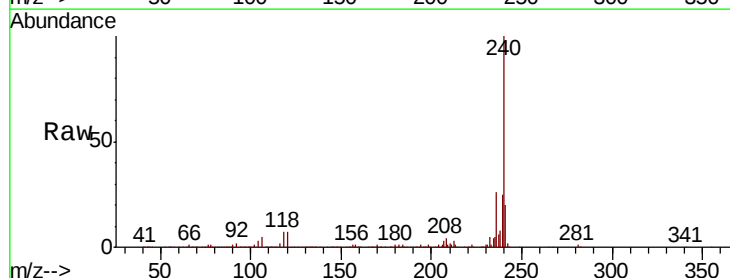


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

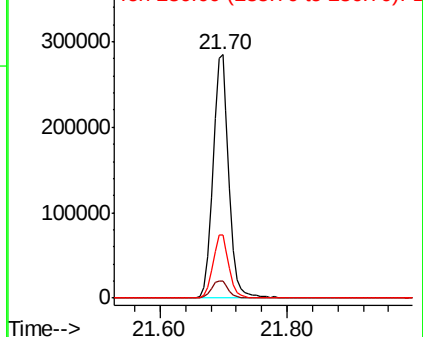
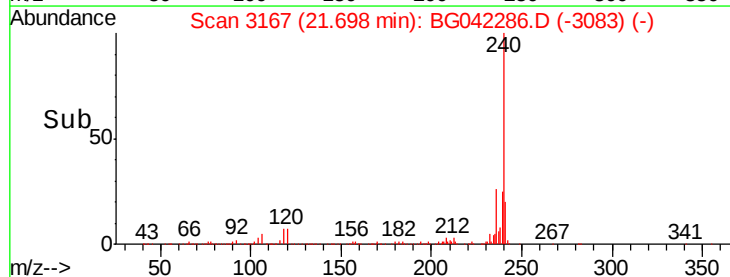


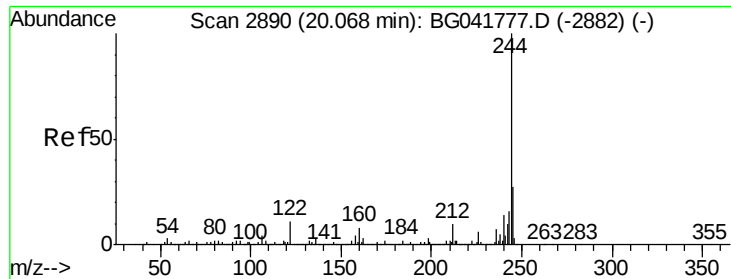
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.04 min
 Lab File: BG042286.D
 Acq: 17 Aug 2019 12:16

Tgt Ion:240 Resp: 503080
 Ion Ratio Lower Upper
 240 100
 120 7.2 8.0 12.0#
 236 25.9 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: 95.257 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042286.D

Acq: 17 Aug 2019 12:16

Instrument :

BNA_G

ClientSampleId :

TP-5

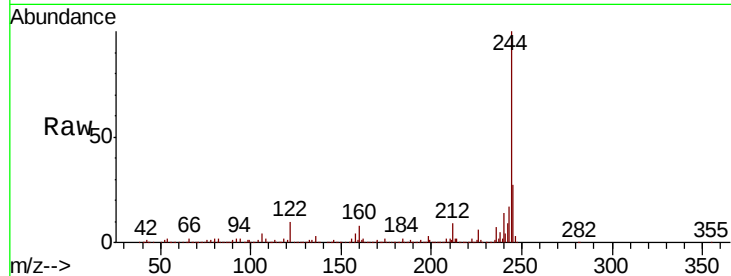
Tgt Ion:244 Resp: 2094249

Ion Ratio Lower Upper

244 100

212 9.2 9.7 14.5#

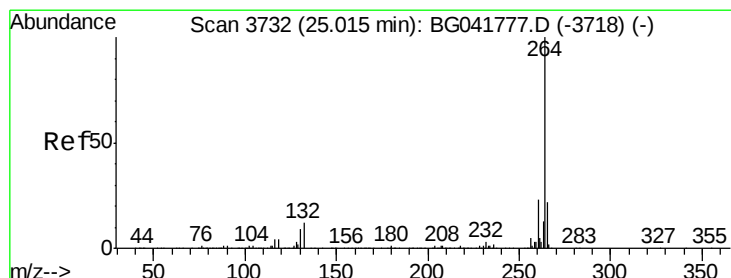
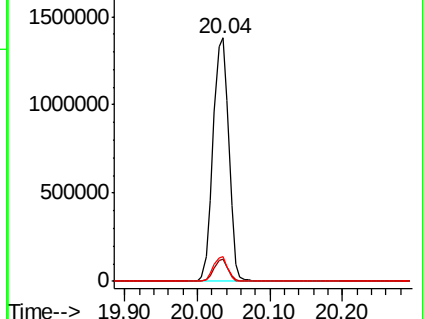
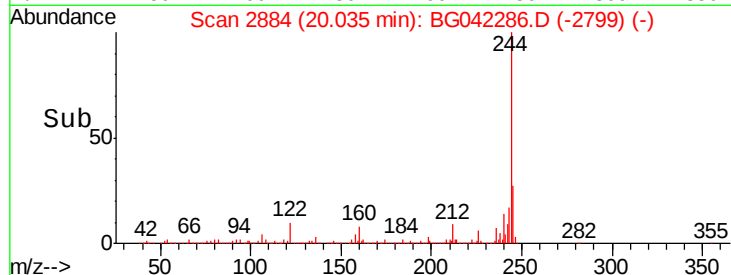
122 10.0 12.5 18.7#



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. -0.07 min

Lab File: BG042286.D

Acq: 17 Aug 2019 12:16

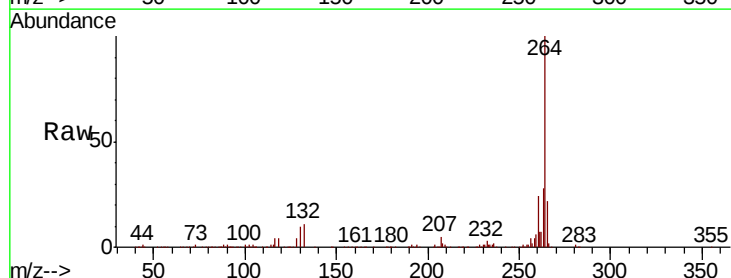
Tgt Ion:264 Resp: 377564

Ion Ratio Lower Upper

264 100

260 23.8 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

