

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101819\
 Data File : BG043280.D
 Acq On : 18 Oct 2019 18:06
 Operator : JU
 Sample : K5406-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-18

Quant Time: Oct 19 00:34:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

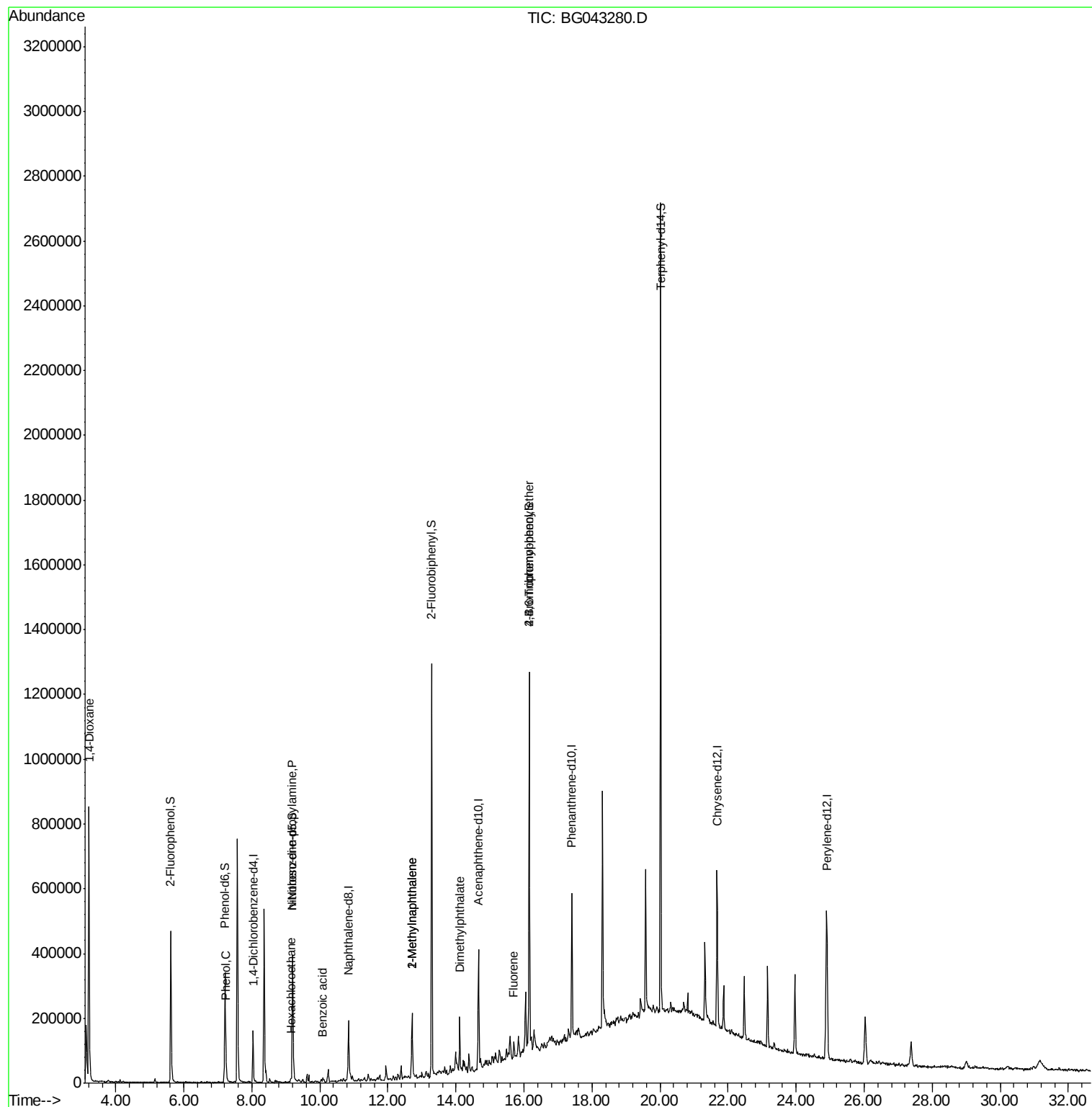
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	48983	20.00	ng	-0.03
21) Naphthalene-d8	10.84	136	184757	20.00	ng	-0.02
39) Acenaphthene-d10	14.66	164	134342	20.00	ng	-0.02
64) Phenanthrene-d10	17.40	188	285623	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	314724	20.00	ng	-0.01
87) Perylene-d12	24.89	264	383187	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	222547	81.08	ng	-0.02
7) Phenol-d6	7.21	99	219325	55.49	ng	-0.02
23) Nitrobenzene-d5	9.20	82	277833	73.09	ng	-0.02
42) 2,4,6-Tribromophenol	16.15	330	280078	121.24	ng	-0.01
45) 2-Fluorobiphenyl	13.29	172	712847	76.92	ng	-0.02
79) Terphenyl-d14	20.02	244	1301724	88.13	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.21	88	8639	7.549	ng	Qvalue # 1
10) Phenol	7.24	94	32596	8.989	ng	91
18) Hexachloroethane	9.14	117	3320	2.422	ng	# 5
19) n-Nitroso-di-n-propylamine	9.20	70	40368	15.554	ng	# 62
32) Benzoic acid	10.06	122	85	2.849	ng	# 1
37) 2-Methylnaphthalene	12.71	142	95531	13.769	ng	99
38) 1-Methylnaphthalene	12.71	142	95531	14.551	ng	92
50) Dimethylphthalate	14.11	163	118400	11.763	ng	97
58) Fluorene	15.71	166	22924	2.320	ng	# 96
67) 4-Bromophenyl-phenylether	16.15	248	17907	4.995	ng	# 1

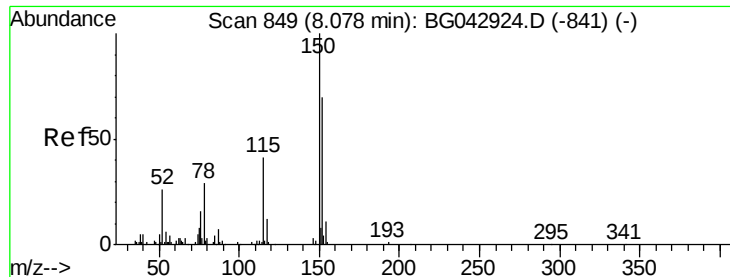
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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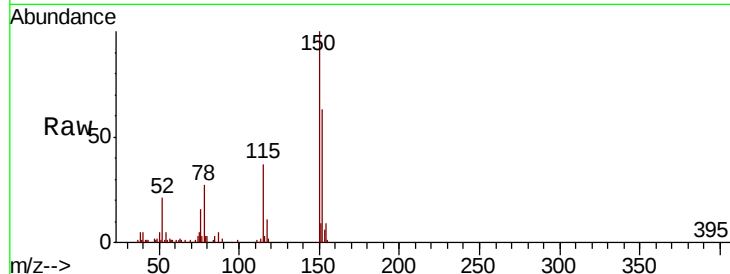


#1

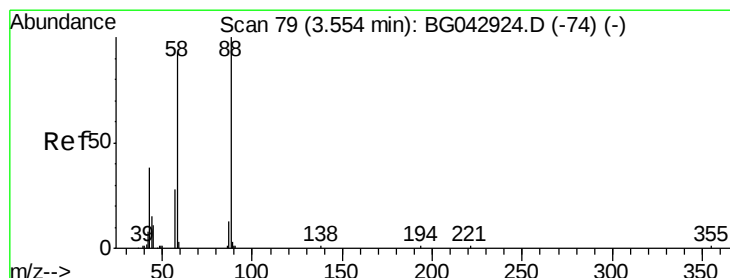
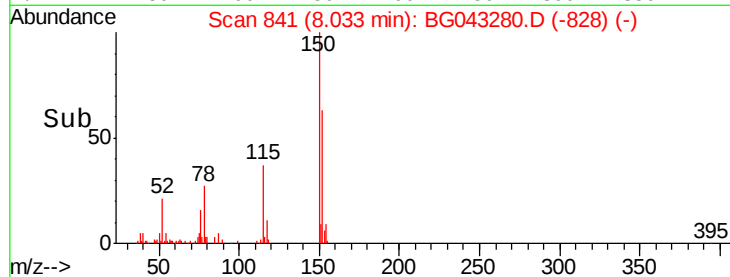
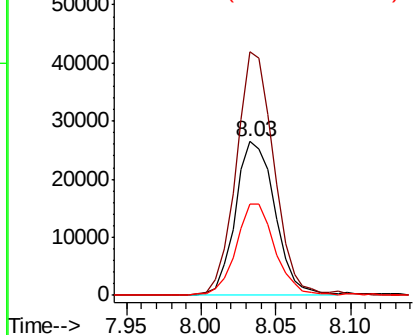
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.03 min
Lab File: BG043280.D
Acq: 18 Oct 2019 18:06

Instrument :
BNA_G
ClientSampleId :
MW-18

Tot Ion:152 Resp: 48983
Ion Ratio Lower Upper
152 100
150 158.4 115.0 172.4
115 59.3 47.0 70.6



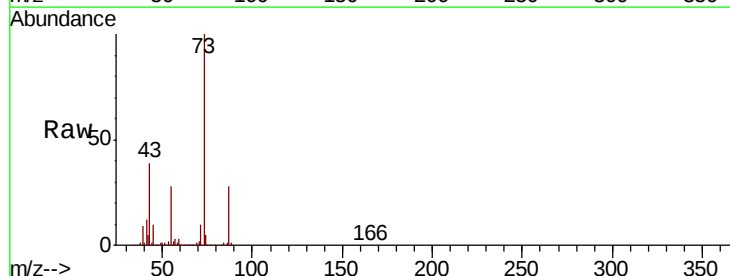
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



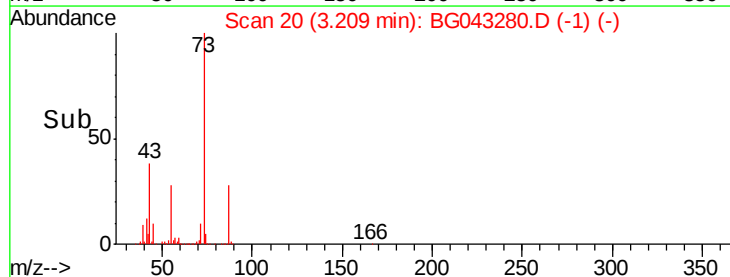
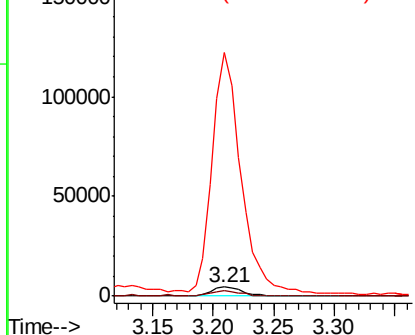
#2

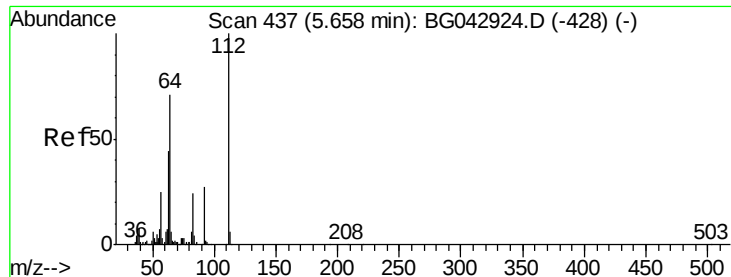
1,4-Dioxane
Concen: 7.549 ng
RT: 3.21 min Scan# 20
Delta R.T. -0.33 min
Lab File: BG043280.D
Acq: 18 Oct 2019 18:06

Tgt Ion: 88 Resp: 8639
Ion Ratio Lower Upper
88 100
58 45.8 74.3 111.5#
43 2307.4 29.8 44.8#



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: 81.082 ng

RT: 5.62 min Scan# 430

Delta R.T. -0.02 min

Lab File: BG043280.D

Acq: 18 Oct 2019 18:06

Instrument :

BNA_G

ClientSampleId :

MW-18

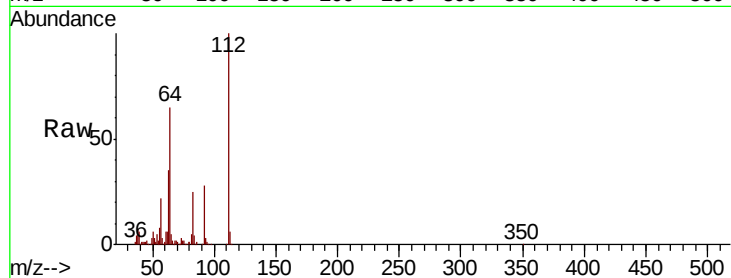
Tot Ion:112 Resp: 222547

Ion Ratio Lower Upper

112 100

64 64.6 56.6 84.8

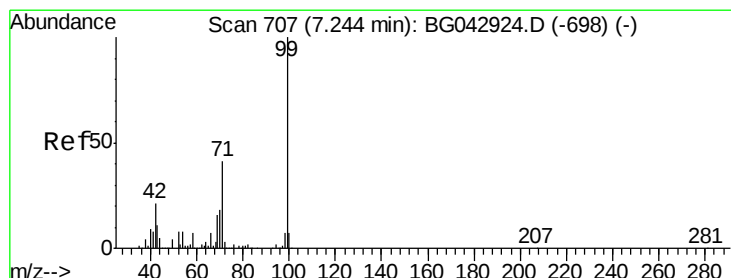
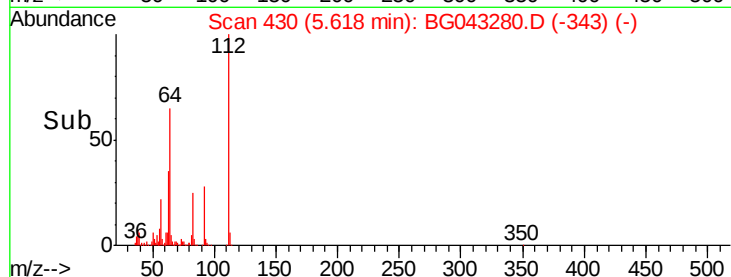
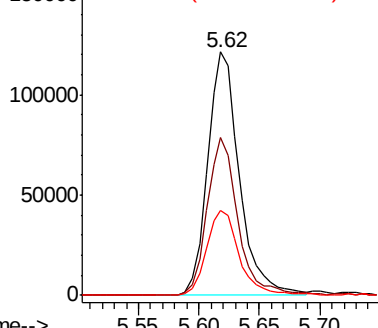
63 34.7 35.1 52.7#



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: 55.489 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.02 min

Lab File: BG043280.D

Acq: 18 Oct 2019 18:06

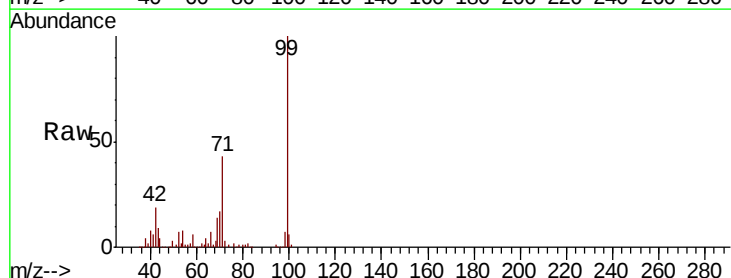
Tgt Ion: 99 Resp: 219325

Ion Ratio Lower Upper

99 100

42 18.8 17.2 25.8

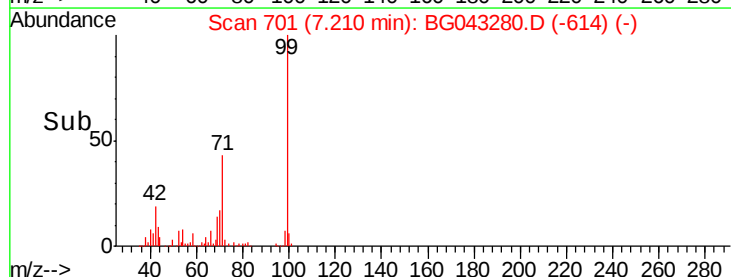
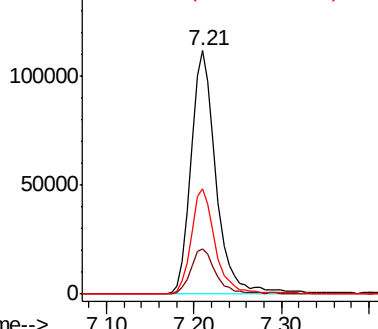
71 43.2 33.1 49.7

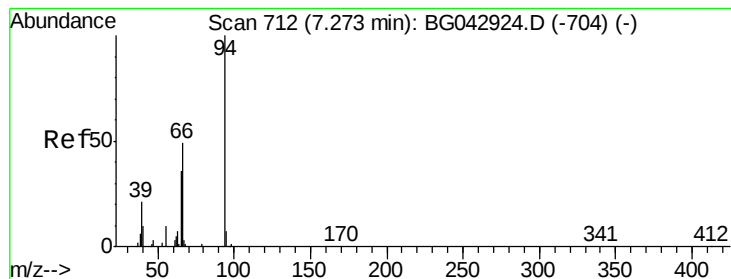


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 8.989 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG043280.D

Acq: 18 Oct 2019 18:06

Instrument :

BNA_G

ClientSampleId :

MW-18

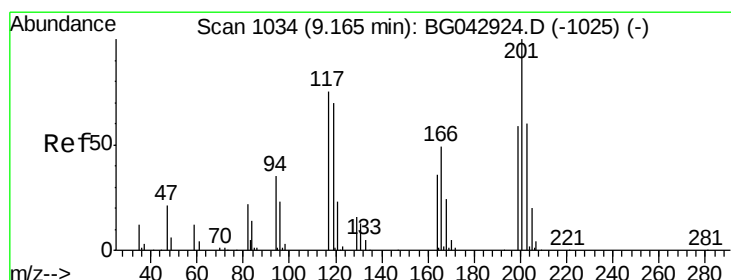
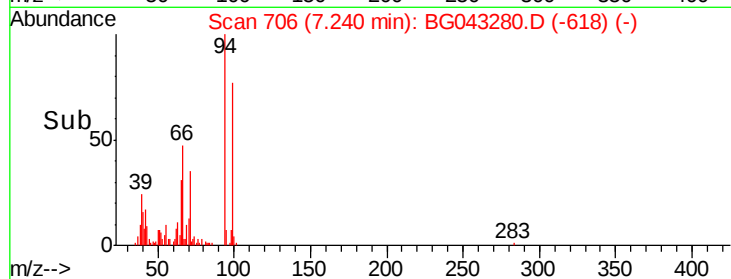
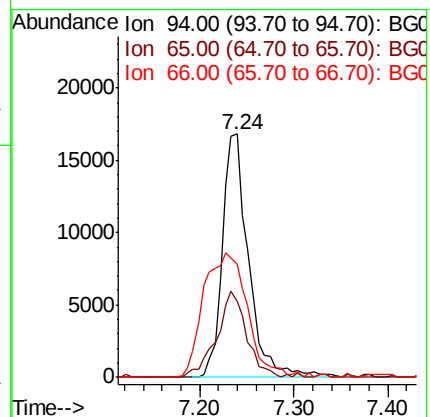
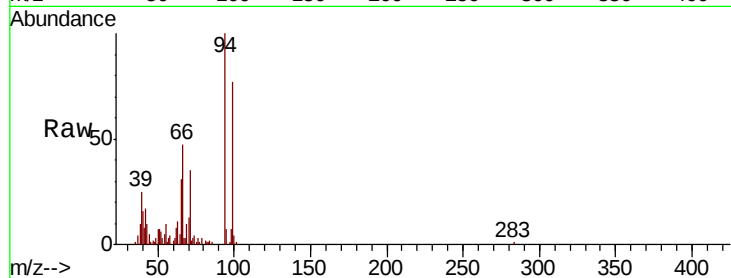
Tot Ion: 94 Resp: 32596

Ion Ratio Lower Upper

94 100

65 31.0 16.6 56.6

66 46.6 32.4 72.4



#18

Hexachloroethane

Concen: 2.422 ng

RT: 9.14 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BG043280.D

Acq: 18 Oct 2019 18:06

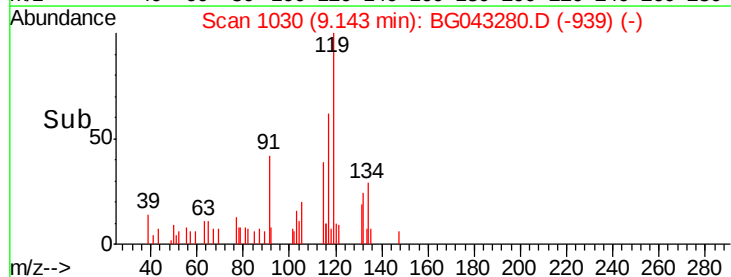
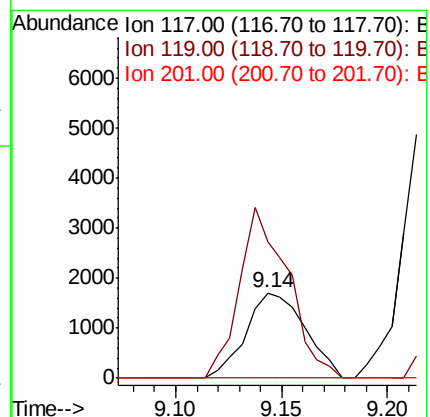
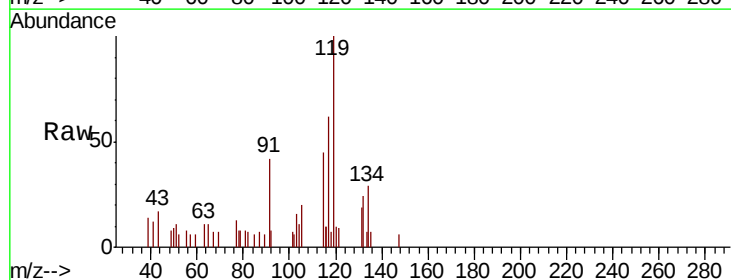
Tgt Ion: 117 Resp: 3320

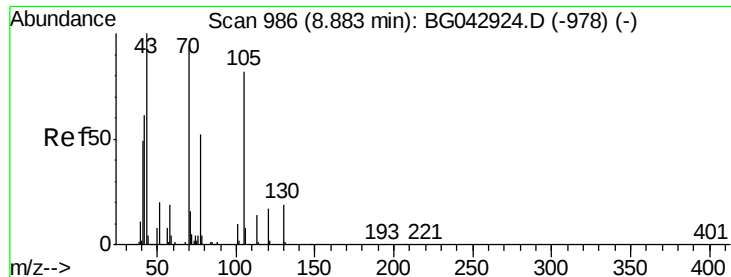
Ion Ratio Lower Upper

117 100

119 160.2 74.6 111.8#

201 0.0 106.0 159.0#

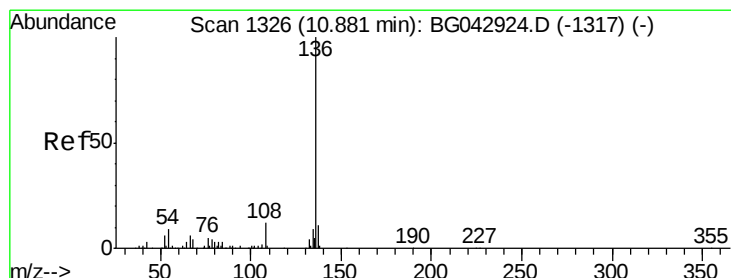
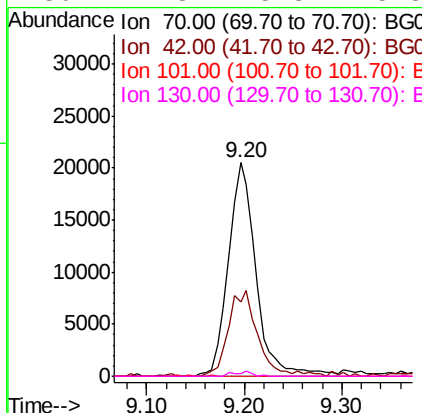
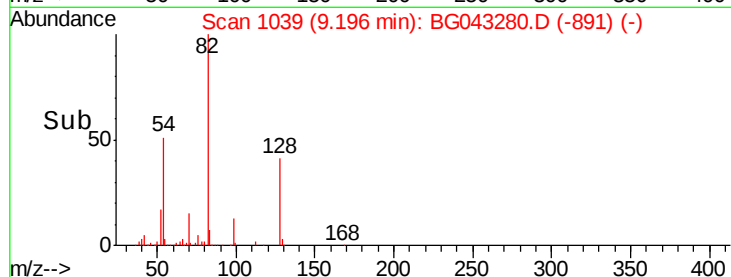
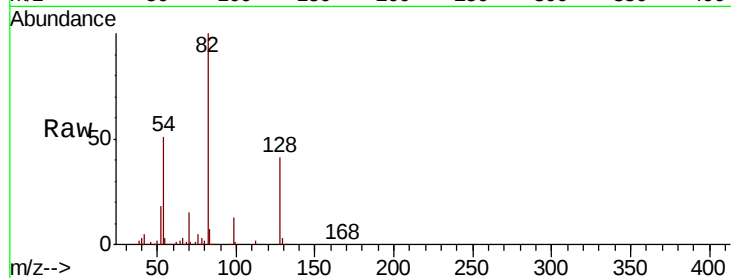




#19
n-Nitroso-di-n-propylamine
Concen: 15.554 ng
RT: 9.20 min Scan# 1039
Delta R.T. 0.34 min
Lab File: BG043280.D
Acq: 18 Oct 2019 18:06

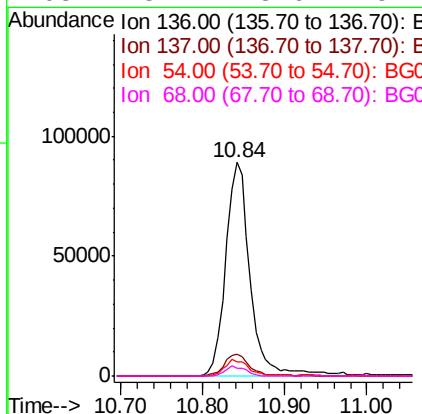
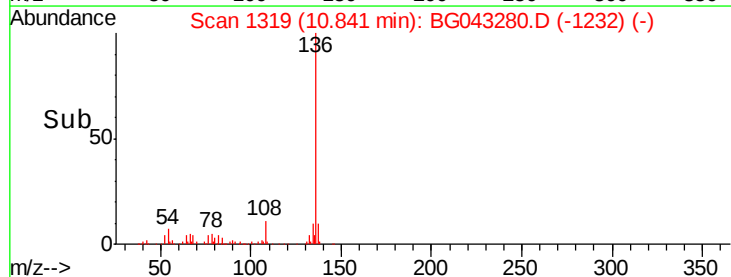
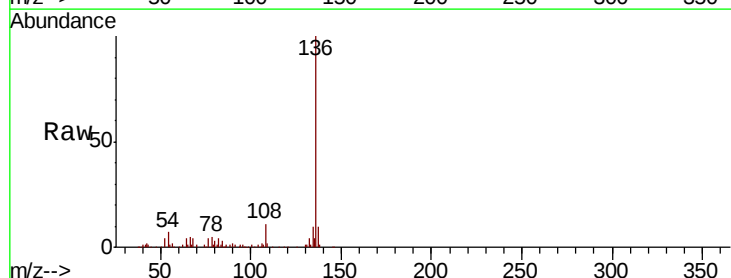
Instrument :
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MW-18

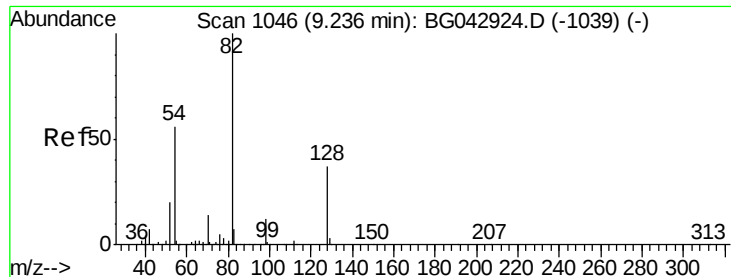
Tot Ion: 70 Resp: 40368
Ion Ratio Lower Upper
70 100
42 34.7 52.6 79.0#
101 0.0 8.7 13.1#
130 1.3 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BG043280.D
Acq: 18 Oct 2019 18:06

Tgt Ion: 136 Resp: 184757
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 6.8 7.4 11.2#
68 3.7 3.6 5.4

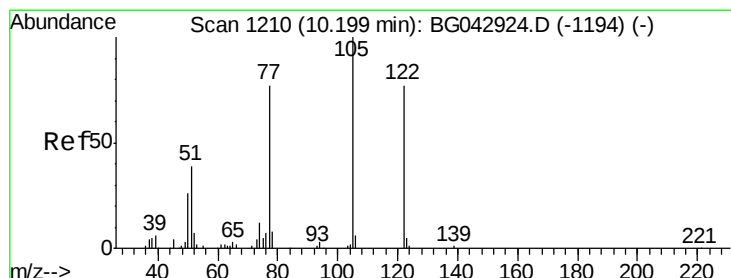
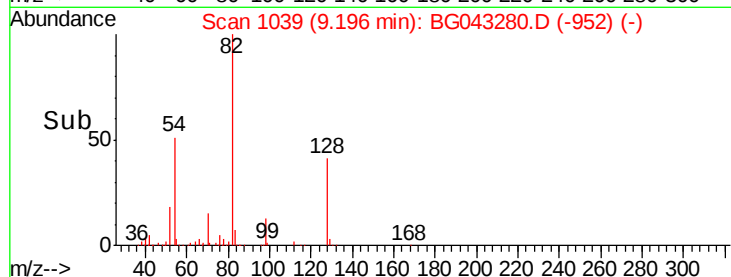
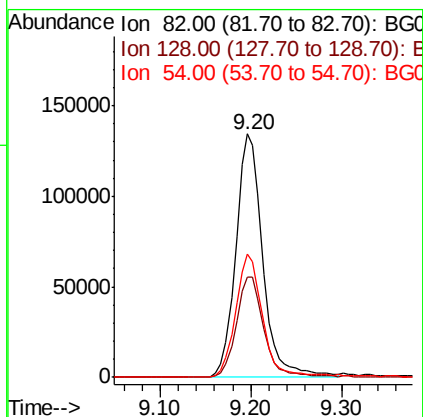
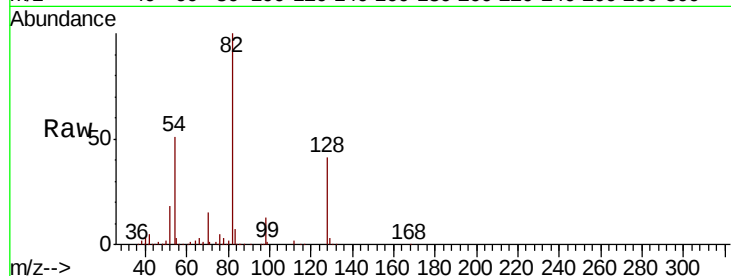




#23
Nitrobenzene-d5
Concen: 73.091 ng
RT: 9.20 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BG043280.D
Acq: 18 Oct 2019 18:06

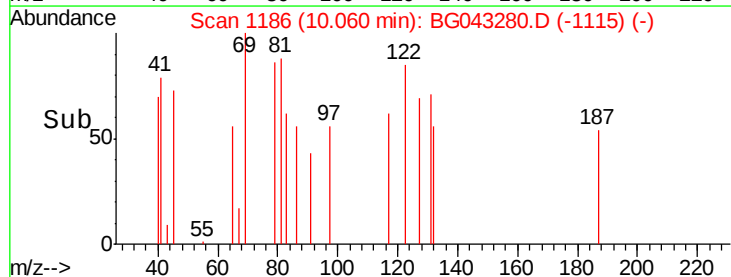
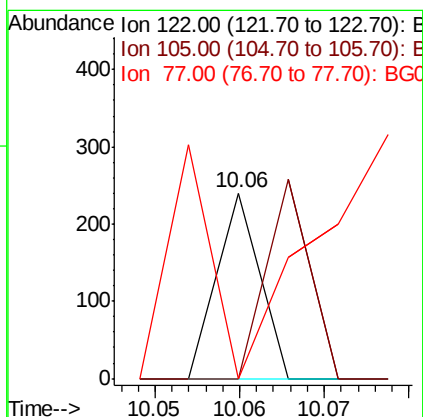
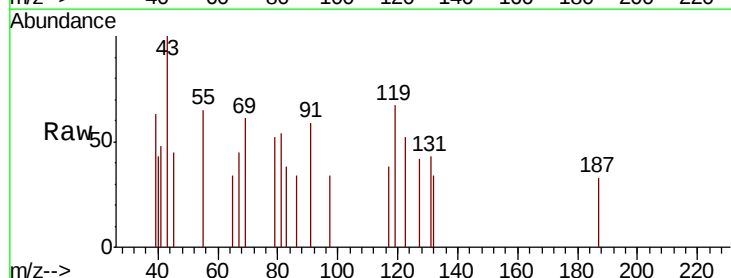
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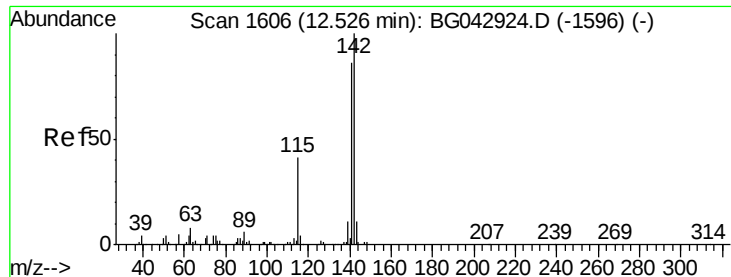
Tot Ion	82	Resp	277833
Ion Ratio	100	Lower	Upper
128	41.2	29.5	44.3
54	50.6	44.6	67.0



#32
Benzoic acid
Concen: 2.849 ng
RT: 10.06 min Scan# 1186
Delta R.T. -0.11 min
Lab File: BG043280.D
Acq: 18 Oct 2019 18:06

Tgt Ion	122	Resp	85
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	107.5	147.5#
77	0.0	79.8	119.8#

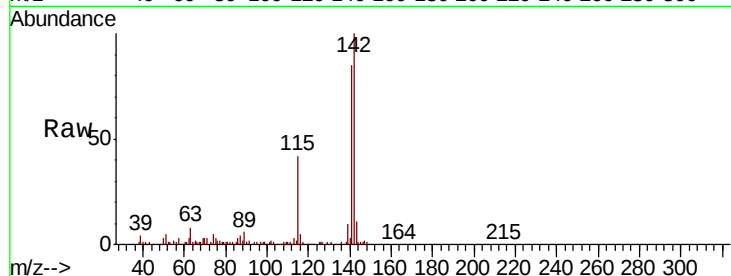




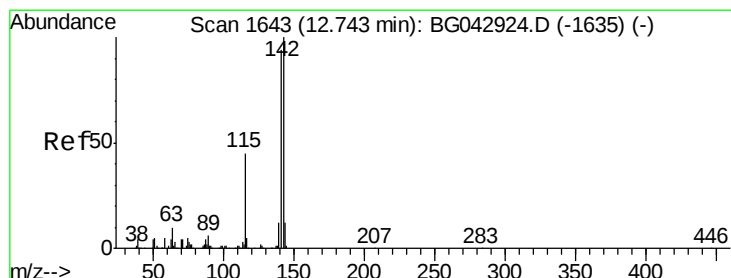
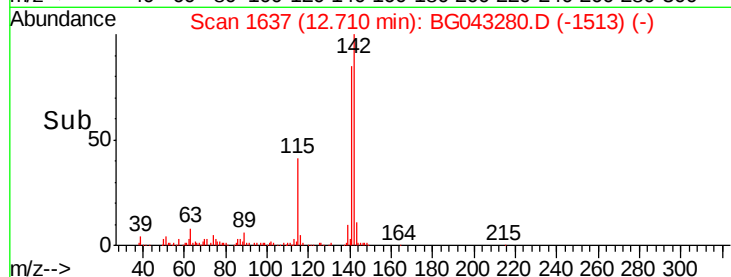
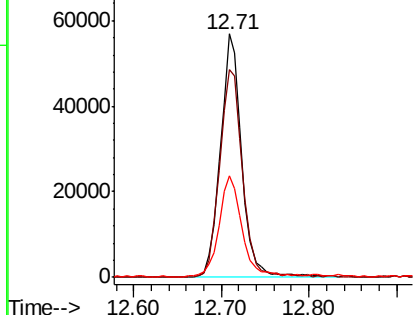
#37
2-Methylnaphthalene
Concen: 13.769 ng
RT: 12.71 min Scan# 1637
Delta R.T. 0.20 min
Lab File: BG043280.D
Acq: 18 Oct 2019 18:06

Instrument :
BNA_G
ClientSampleId :
MW-18

Tot Ion:142 Resp: 95531
Ion Ratio Lower Upper
142 100
141 85.4 69.0 103.4
115 41.8 32.8 49.2

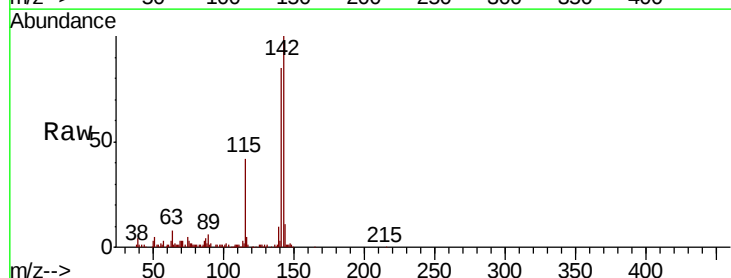


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

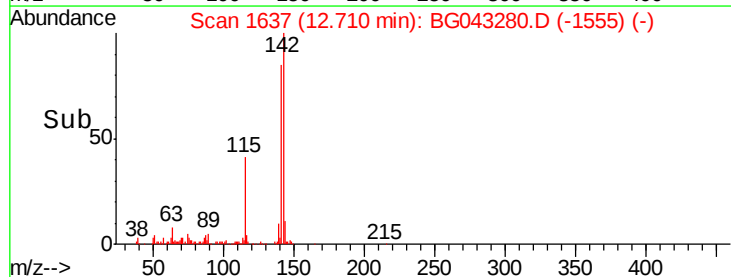
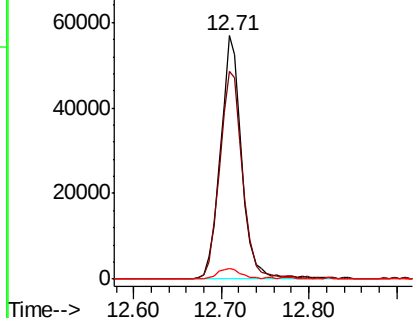


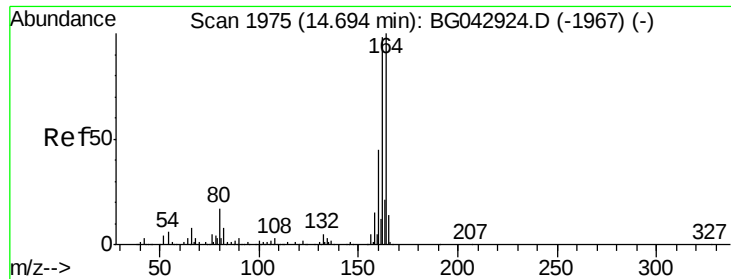
#38
1-Methylnaphthalene
Concen: 14.551 ng
RT: 12.71 min Scan# 1637
Delta R.T. -0.02 min
Lab File: BG043280.D
Acq: 18 Oct 2019 18:06

Tgt Ion:142 Resp: 95531
Ion Ratio Lower Upper
142 100
141 85.4 74.9 112.3
116 4.6 3.7 5.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.02 min

Lab File: BG043280.D

Acq: 18 Oct 2019 18:06

Instrument :

BNA_G

ClientSampleId :

MW-18

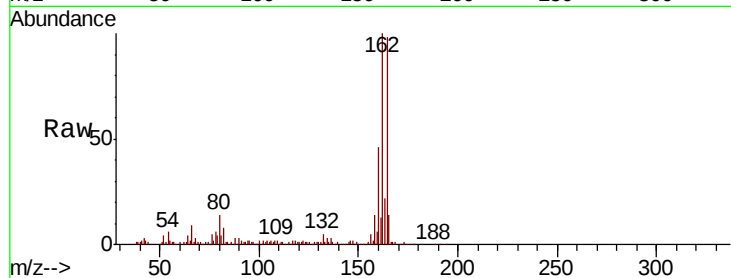
Tot Ion:164 Resp: 134342

Ion Ratio Lower Upper

164 100

162 102.4 78.5 117.7

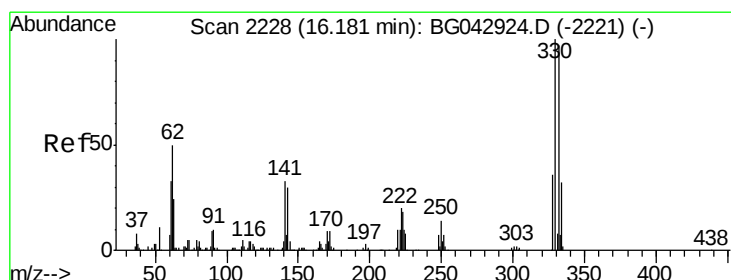
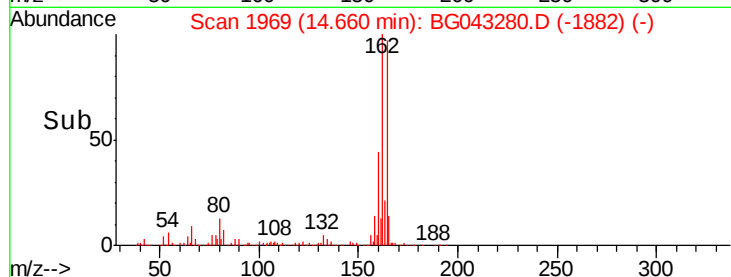
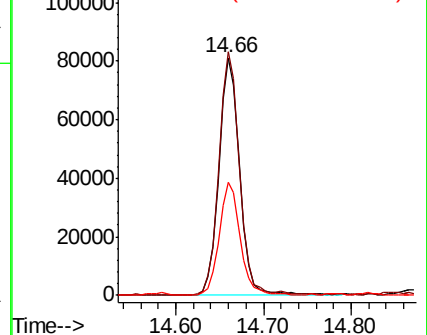
160 47.4 35.9 53.9



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: 121.241 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG043280.D

Acq: 18 Oct 2019 18:06

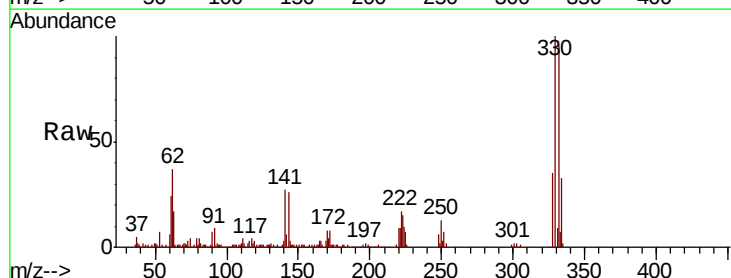
Tgt Ion:330 Resp: 280078

Ion Ratio Lower Upper

330 100

332 97.6 78.2 117.2

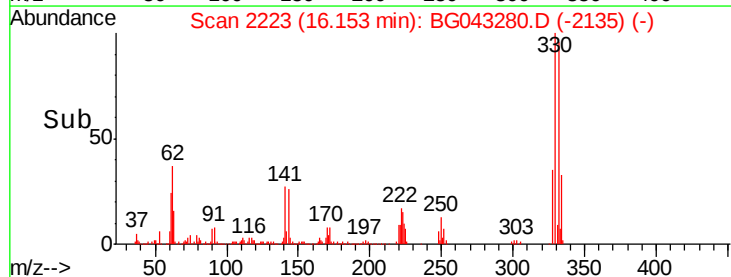
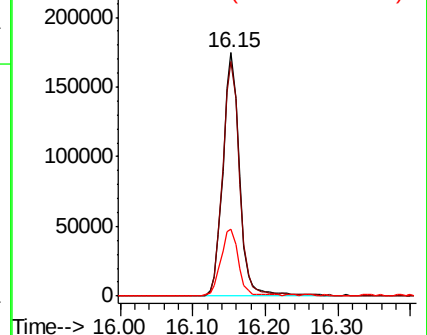
141 28.8 26.0 39.0

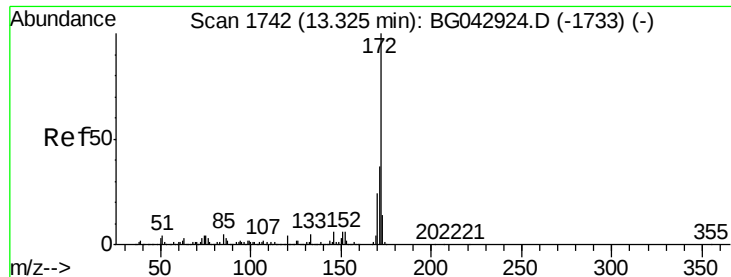


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

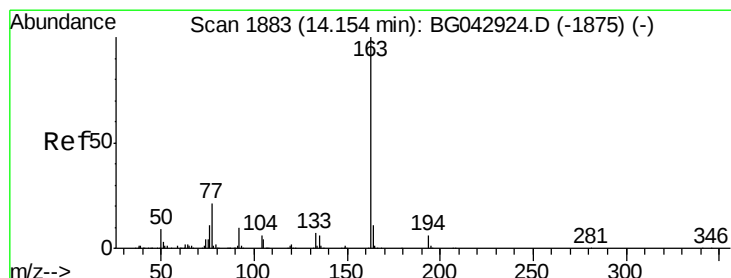
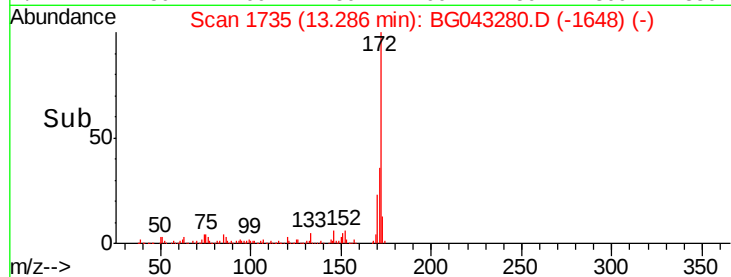
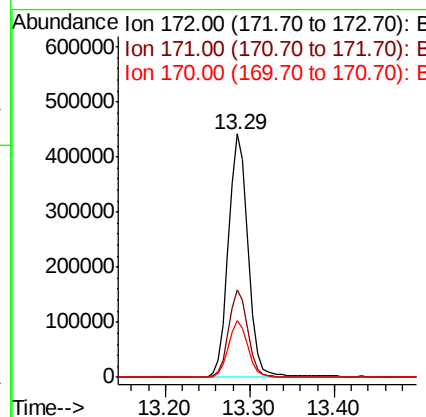
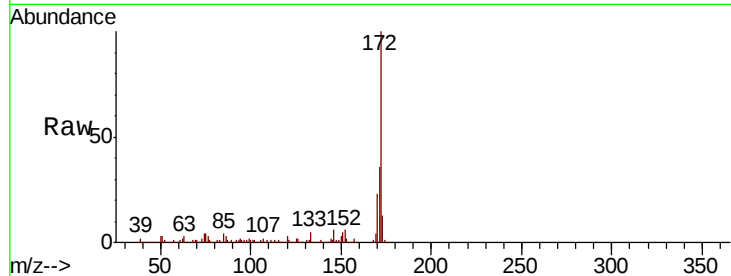




#45
2-Fluorobiphenyl
Concen: 76.924 ng
RT: 13.29 min Scan# 1735
Delta R.T. -0.02 min
Lab File: BG043280.D
Acq: 18 Oct 2019 18:06

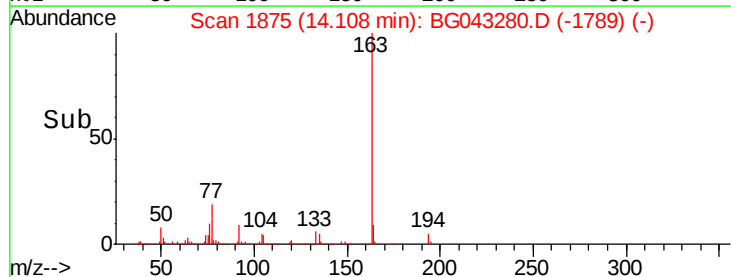
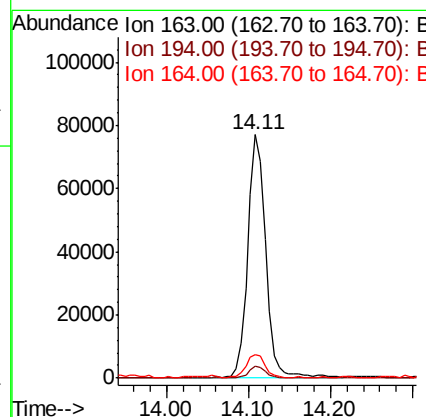
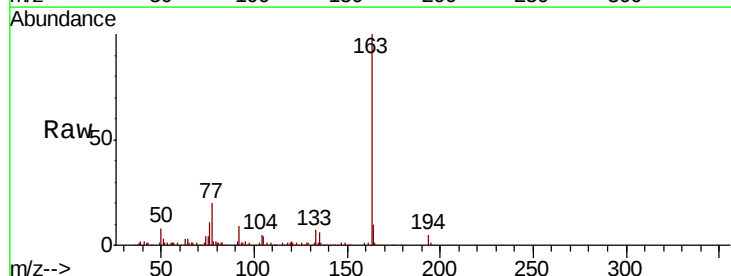
Instrument :
BNA_G
ClientSampleId :
MW-18

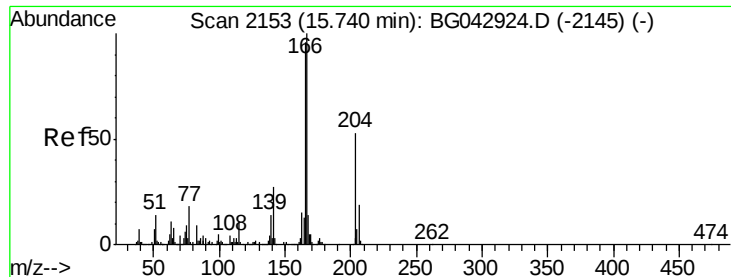
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.3	19.6	29.4



#50
Dimethylphthalate
Concen: 11.763 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.03 min
Lab File: BG043280.D
Acq: 18 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	4.4	6.6
164	9.6	8.6	12.8





#58

Fluorene

Concen: 2.320 ng

RT: 15.71 min Scan# 2147

Delta R.T. -0.02 min

Lab File: BG043280.D

Acq: 18 Oct 2019 18:06

Instrument :

BNA_G

ClientSampleId :

MW-18

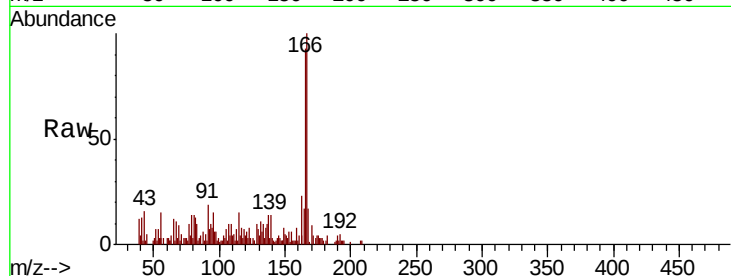
Tot Ion:166 Resp: 22924

Ion Ratio Lower Upper

166 100

165 93.1 77.1 115.7

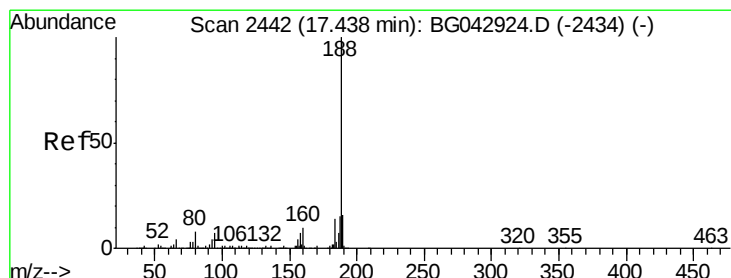
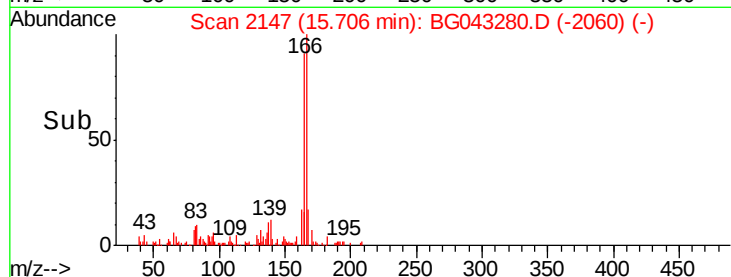
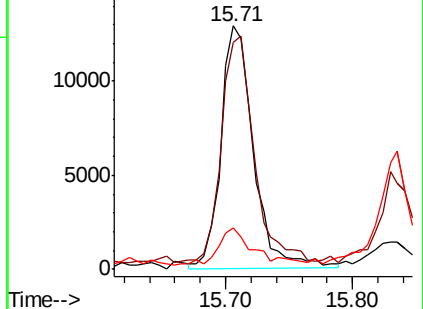
167 17.2 11.0 16.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.01 min

Lab File: BG043280.D

Acq: 18 Oct 2019 18:06

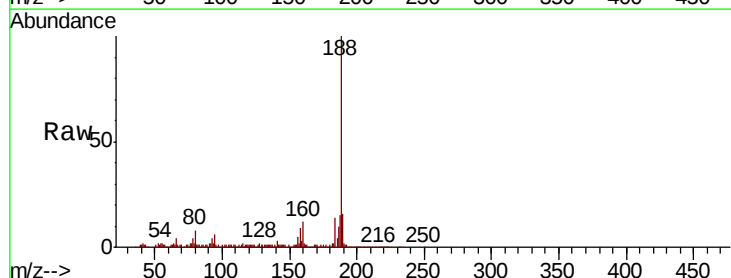
Tgt Ion:188 Resp: 285623

Ion Ratio Lower Upper

188 100

94 6.0 5.7 8.5

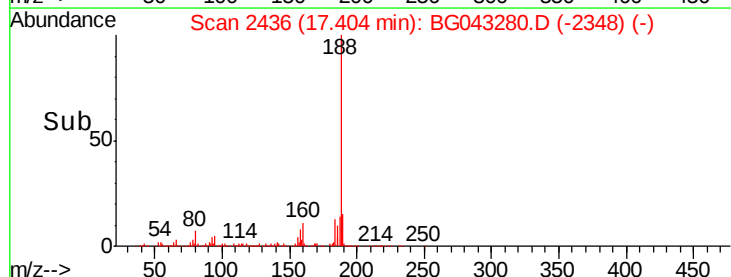
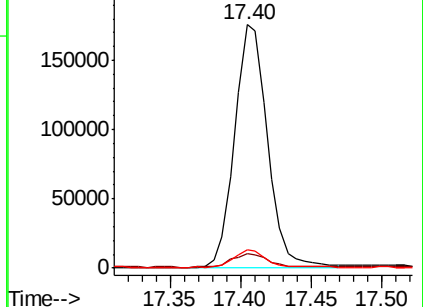
80 7.5 6.5 9.7

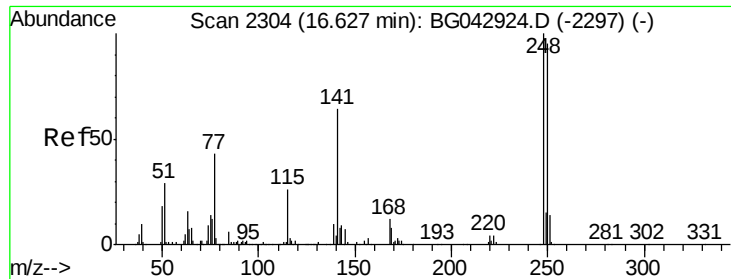


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

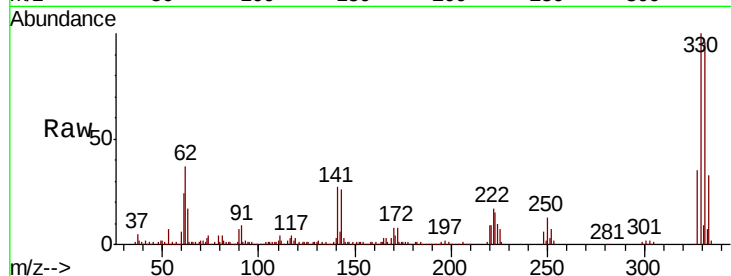




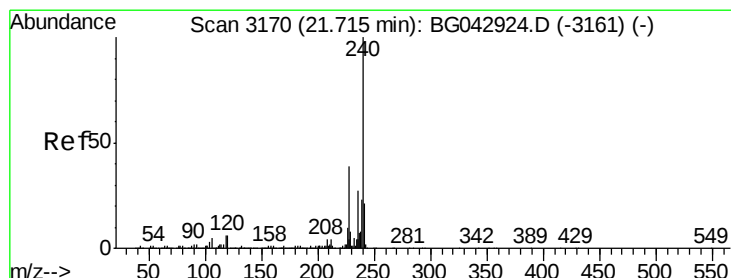
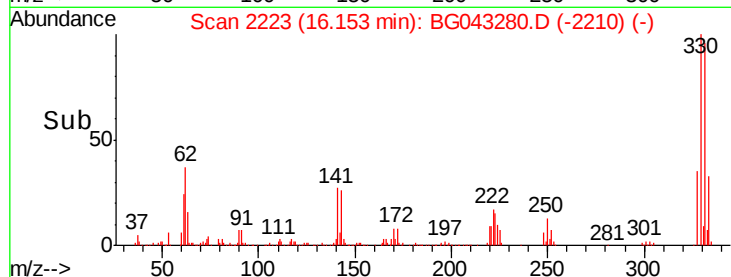
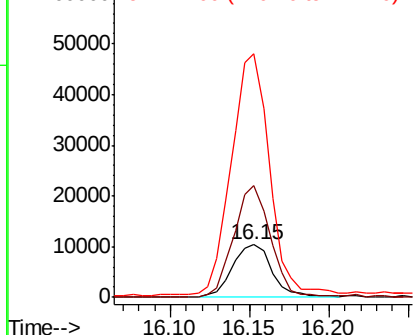
#67
4-Bromophenyl-phenylether
Concen: 4.995 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.46 min
Lab File: BG043280.D
Acq: 18 Oct 2019 18:06

Instrument :
BNA_G
ClientSampleId :
MW-18

Tot Ion:248 Resp: 17907
Ion Ratio Lower Upper
248 100
250 212.1 75.8 113.8#
141 461.6 51.1 76.7#

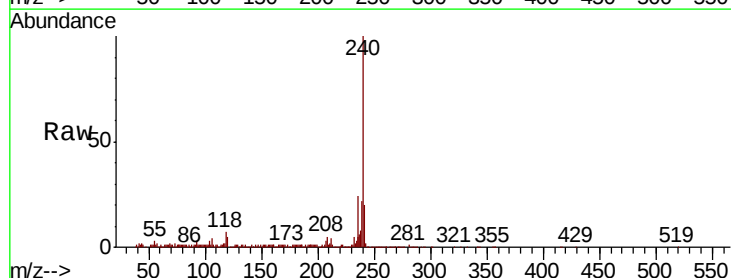


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

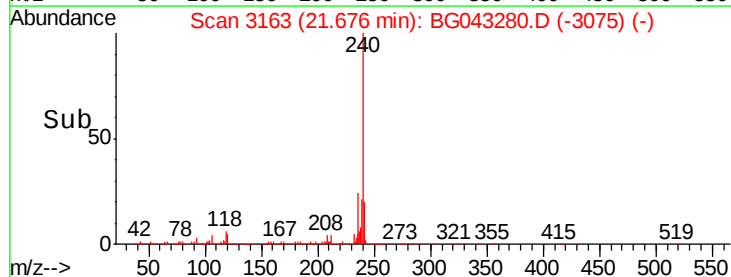
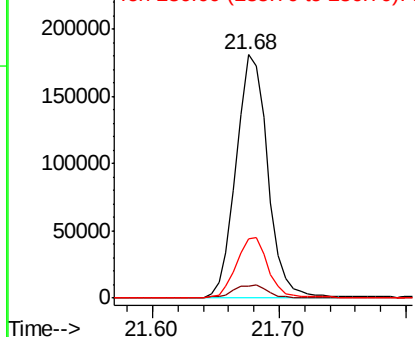


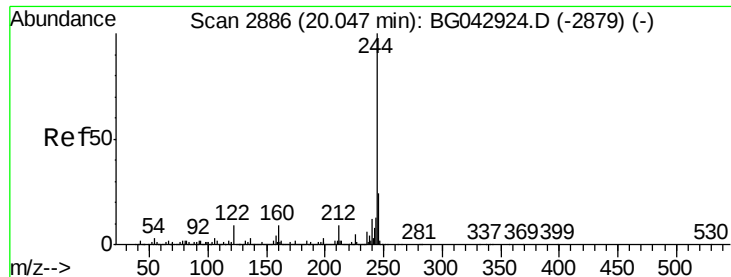
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BG043280.D
Acq: 18 Oct 2019 18:06

Tgt Ion:240 Resp: 314724
Ion Ratio Lower Upper
240 100
120 5.2 4.8 7.2
236 24.2 21.4 32.0



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: 88.135 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG043280.D

Acq: 18 Oct 2019 18:06

Instrument :

BNA_G

ClientSampleId :

MW-18

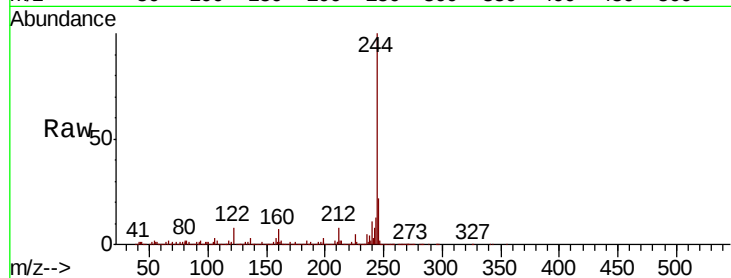
Tot Ion:244 Resp: 1301724

Ion Ratio Lower Upper

244 100

212 7.6 7.4 11.0

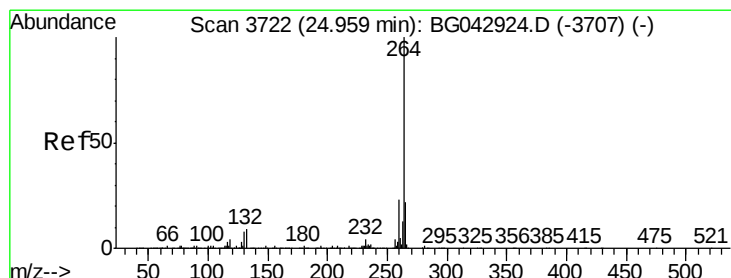
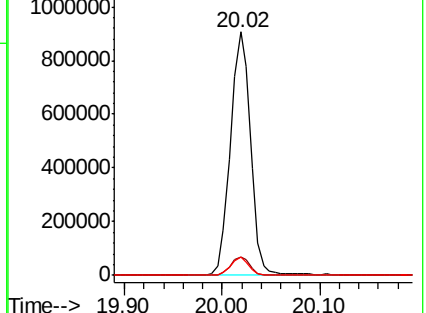
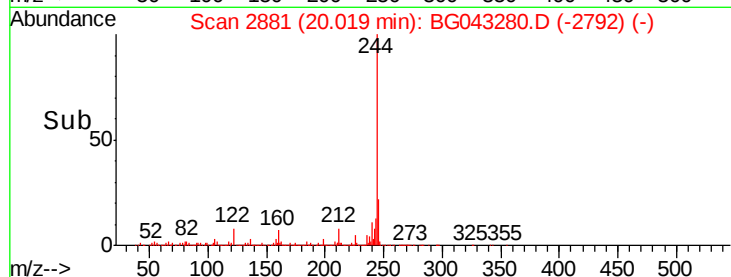
122 7.6 7.0 10.4



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: 24.89 min Scan# 3710

Delta R.T. -0.02 min

Lab File: BG043280.D

Acq: 18 Oct 2019 18:06

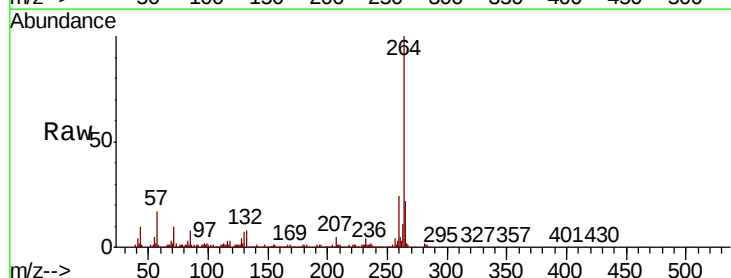
Tgt Ion:264 Resp: 383187

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.9 17.7 26.5



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

