

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021319\
 Data File : BG039498.D
 Acq On : 13 Feb 2019 21:17
 Operator : JU/SJ
 Sample : K1343-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-F

Quant Time: Feb 14 02:49:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	47277	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	218835	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	161808	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	396654	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	423929	20.00	ng	-0.02
87) Perylene-d12	25.21	264	406295	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	380582	137.78	ng	0.00
7) Phenol-d6	7.31	99	489362	120.35	ng	-0.01
23) Nitrobenzene-d5	9.35	82	390686	111.53	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	231536	132.88	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	983959	87.24	ng	-0.02
79) Terphenyl-d14	20.13	244	1678534	83.81	ng	-0.02

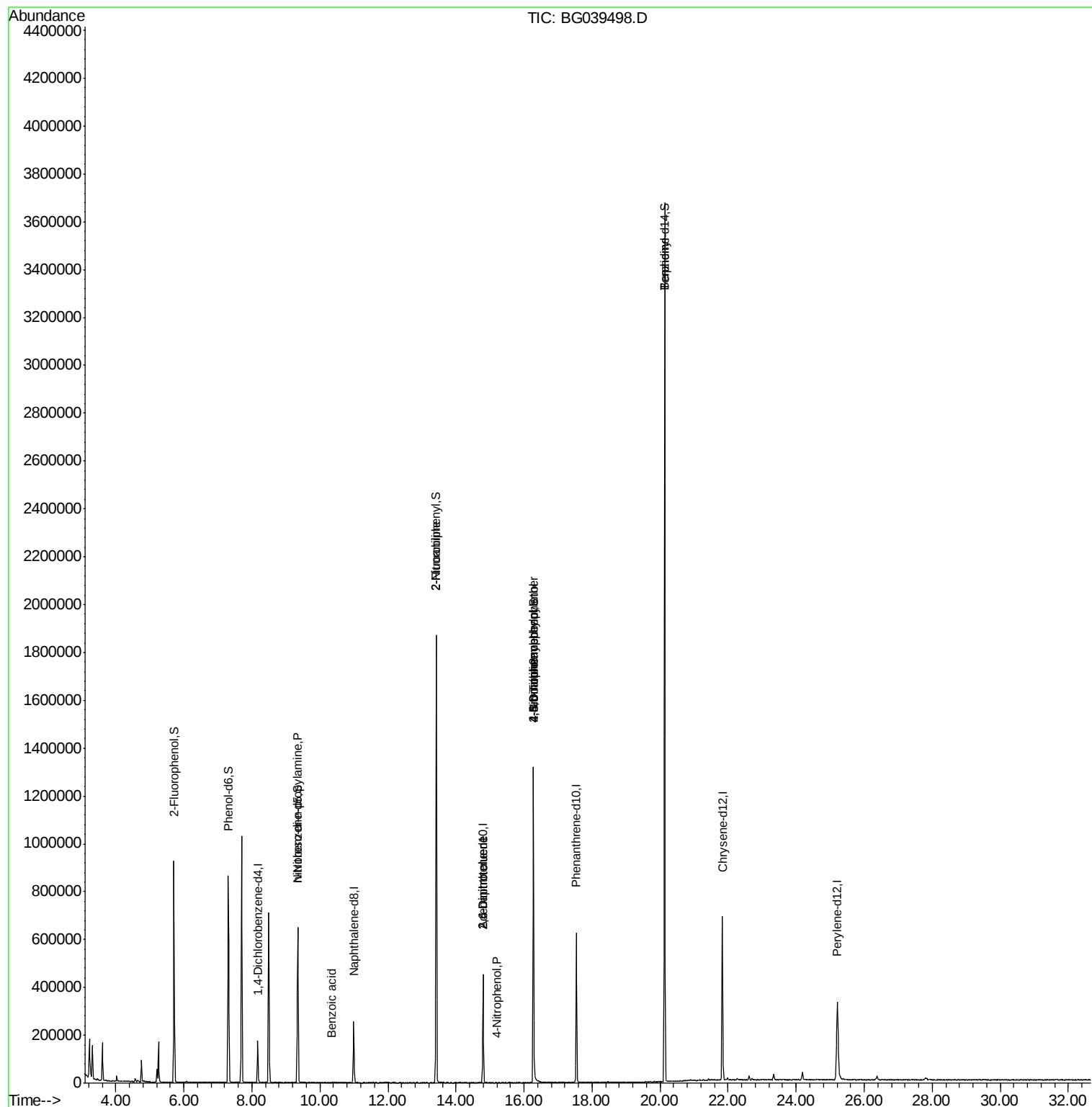
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.30	77	851	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	50490	17.495	ng	# 72
32) Benzoic acid	10.36	122	91	9.057	ng	# 1
48) 2-Nitroaniline	13.42	65	1628	8.759	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	20099	13.664	ng	# 25
56) 4-Nitrophenol	15.20	139	127	5.844	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	20099	13.202	ng	# 20
62) 4-Nitroaniline	16.27	138	55	4.221	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.28	198	768	4.796	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	17883	4.064	ng	# 1
77) Benzidine	20.13	184	31359	2.256	ng	# 88

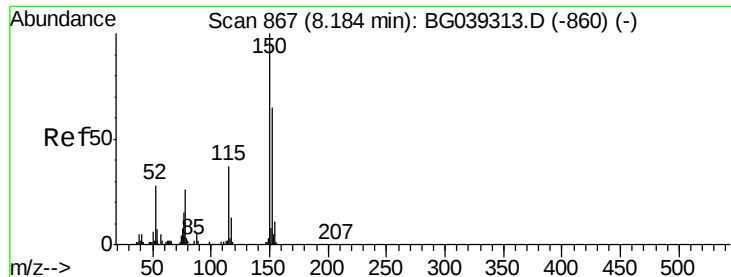
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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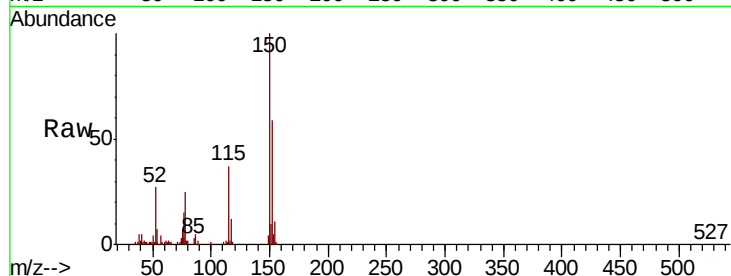


#1

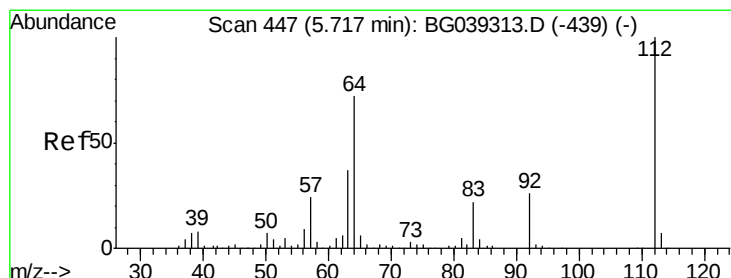
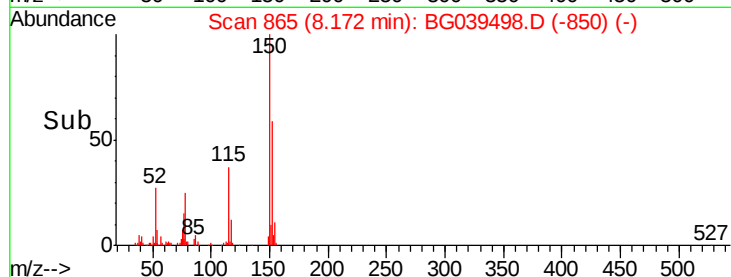
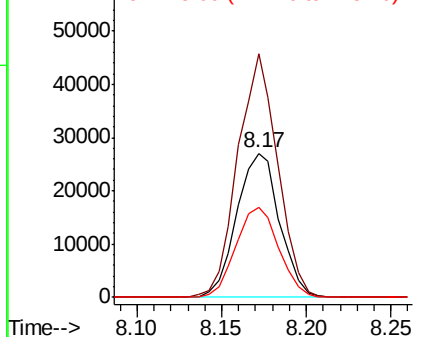
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039498.D
Acq: 13 Feb 2019 21:17

Instrument :
BNA_G
ClientSampleId :
JC-02-021119-F

Tgt Ion:152 Resp: 47277
Ion Ratio Lower Upper
152 100
150 168.7 123.7 185.5
115 62.2 45.9 68.9



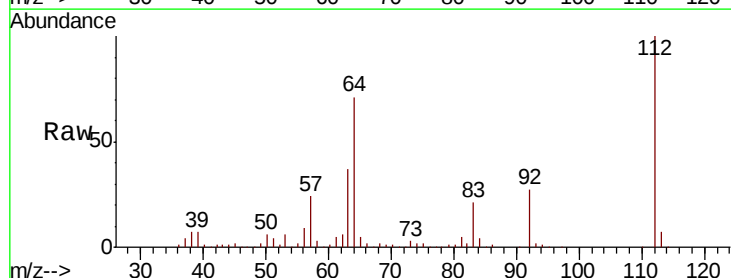
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



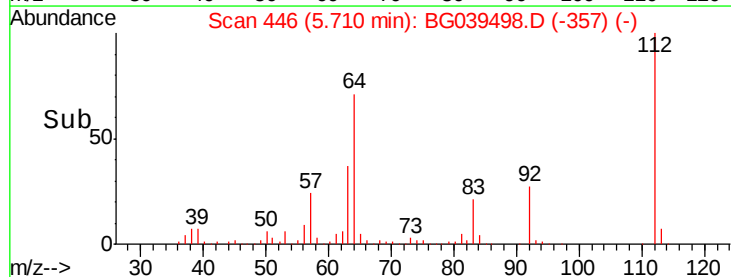
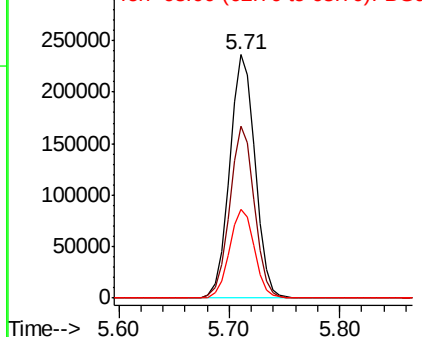
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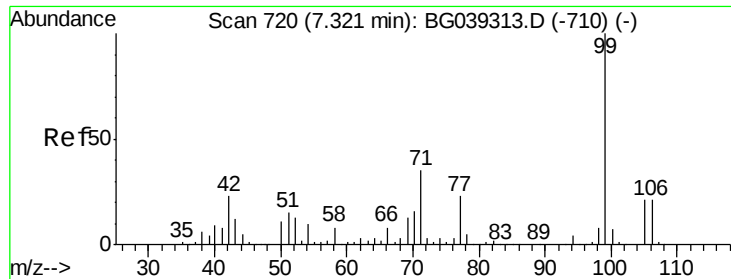
2-Fluorophenol
Concen: 137.777 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039498.D
Acq: 13 Feb 2019 21:17

Tgt Ion:112 Resp: 380582
Ion Ratio Lower Upper
112 100
64 70.6 57.8 86.8
63 36.6 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 120.354 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039498.D

Acq: 13 Feb 2019 21:17

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-F

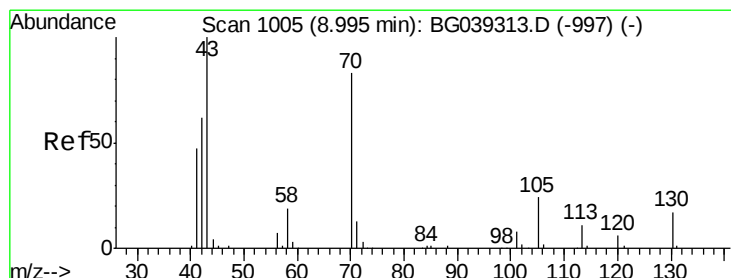
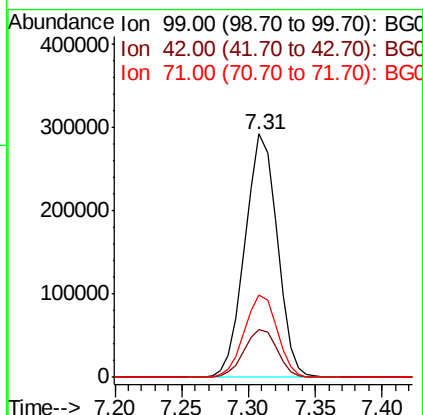
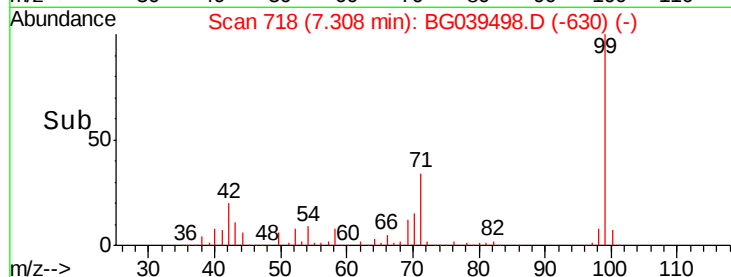
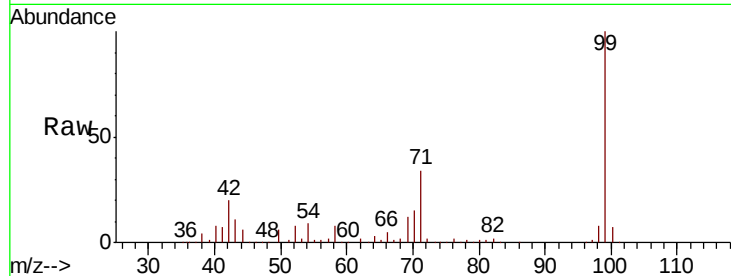
Tgt Ion: 99 Resp: 489362

Ion Ratio Lower Upper

99 100

42 19.7 18.2 27.2

71 33.8 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.495 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039498.D

Acq: 13 Feb 2019 21:17

Tgt Ion: 70 Resp: 50490

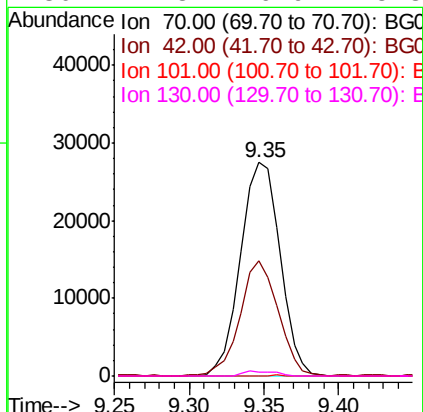
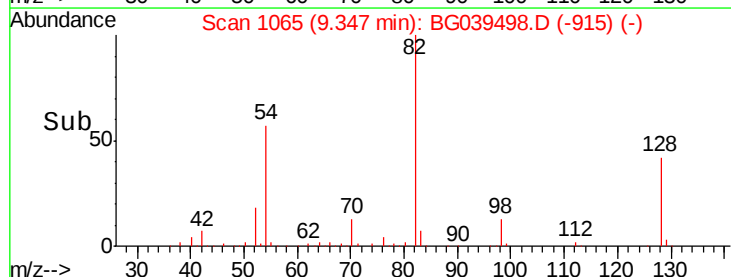
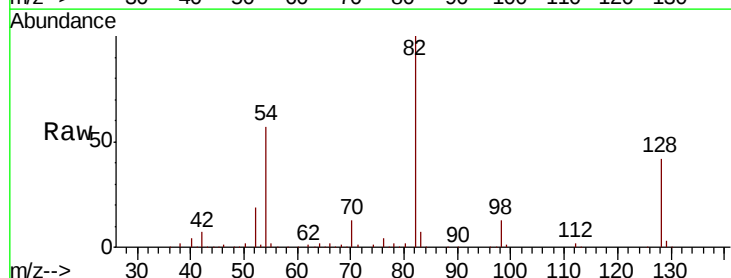
Ion Ratio Lower Upper

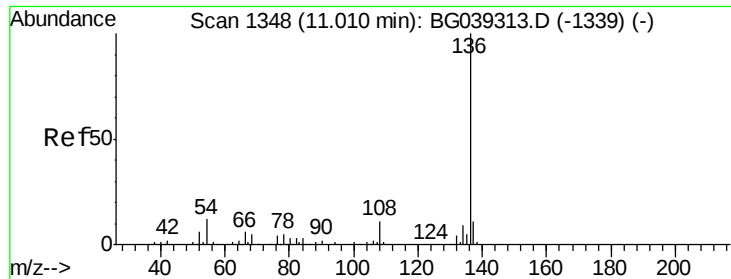
70 100

42 53.9 60.4 90.6#

101 0.0 7.5 11.3#

130 1.8 16.9 25.3#

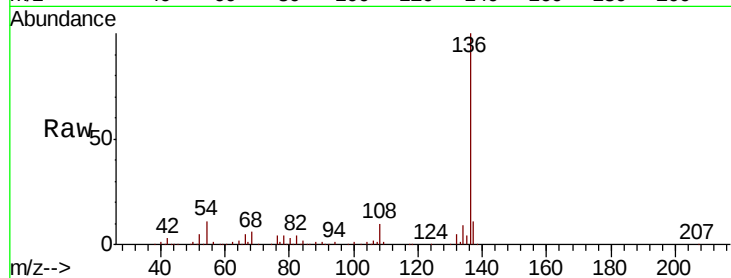




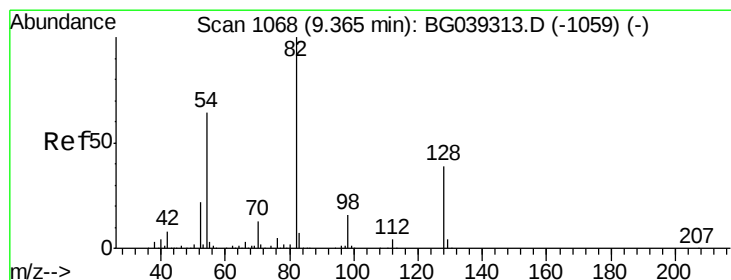
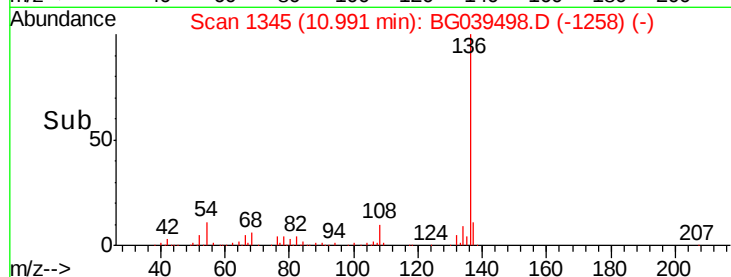
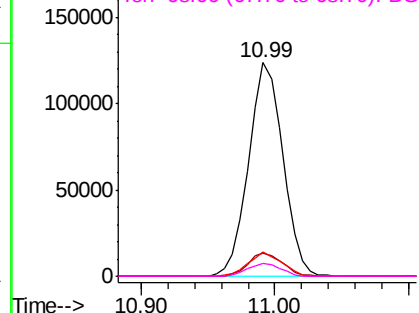
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039498.D
Acq: 13 Feb 2019 21:17

Instrument :
BNA_G
ClientSampleId :
JC-02-021119-F

Tgt Ion:	136	Resp:	218835
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	11.3	9.4	14.2
68	5.7	4.2	6.4

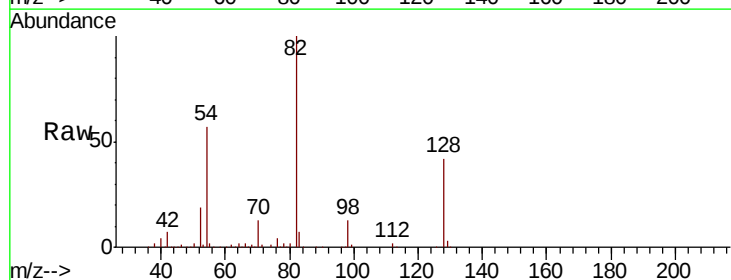


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

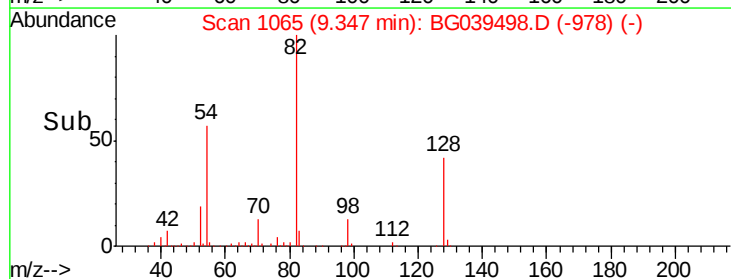
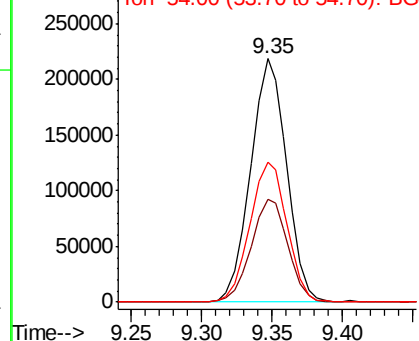


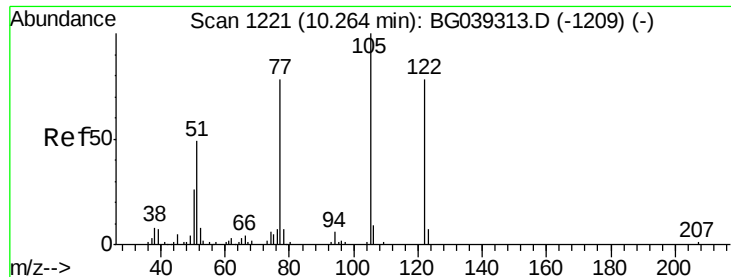
#23
Nitrobenzene-d5
Concen: 111.530 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039498.D
Acq: 13 Feb 2019 21:17

Tgt Ion:	82	Resp:	390686
Ion	Ratio	Lower	Upper
82	100		
128	42.4	31.3	46.9
54	57.4	50.9	76.3



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

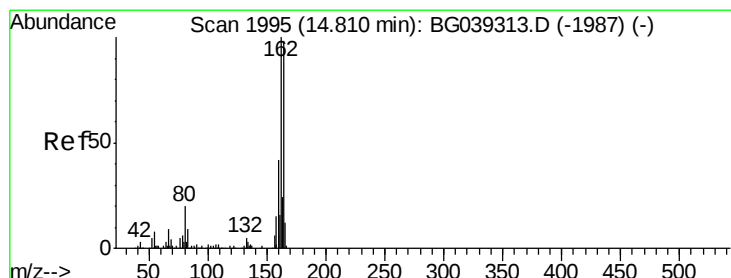
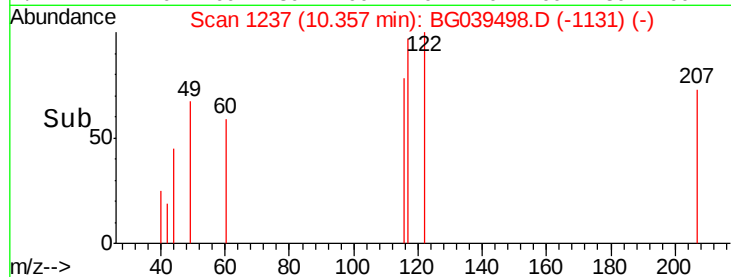
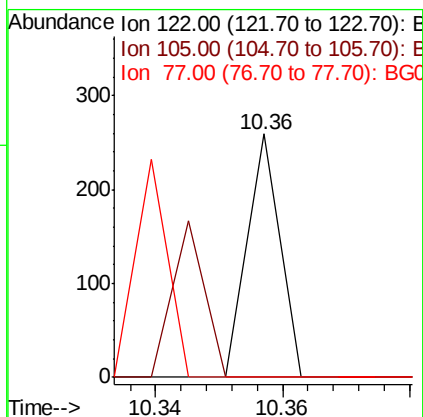
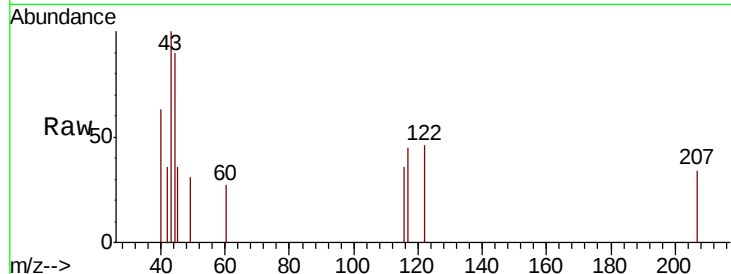




#32
Benzoic acid
Concen: 9.057 ng
RT: 10.36 min Scan# 1237
Delta R.T. 0.09 min
Lab File: BG039498.D
Acq: 13 Feb 2019 21:17

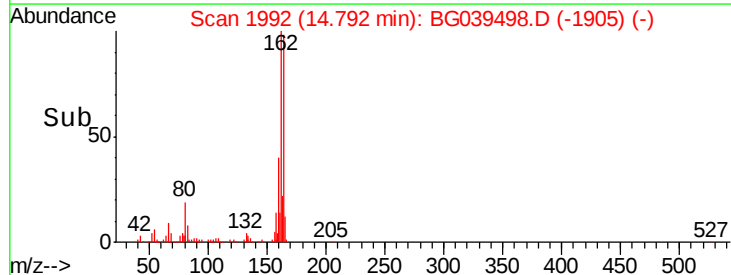
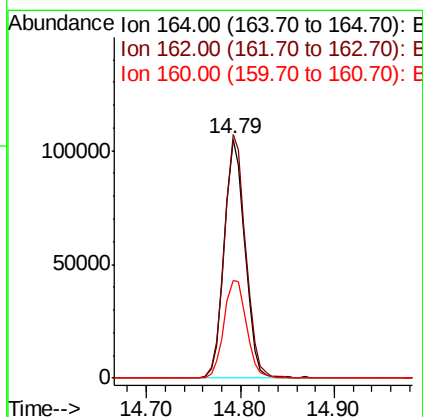
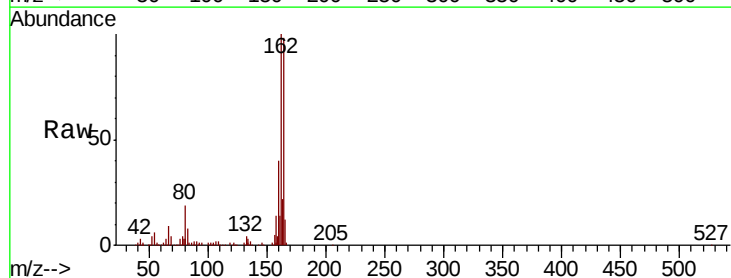
Instrument :
BNA_G
ClientSampleId :
JC-02-021119-F

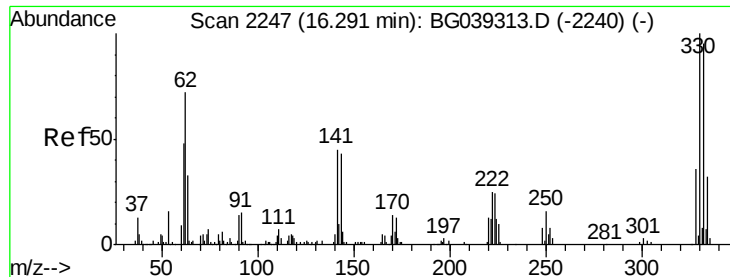
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039498.D
Acq: 13 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.6	122.4
160	40.8	34.2	51.2

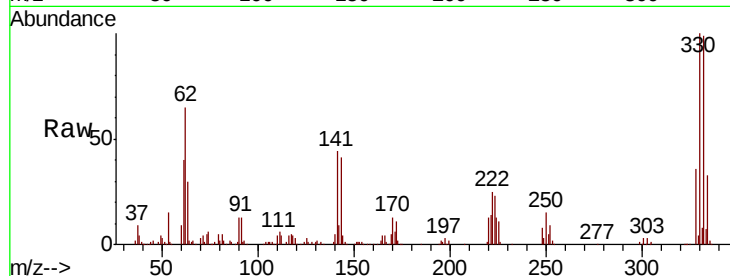




#42
 2,4,6-Tribromophenol
 Concen: 132.884 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039498.D
 Acq: 13 Feb 2019 21:17

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-F

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	75.7	113.5
141	43.0	35.6	53.4

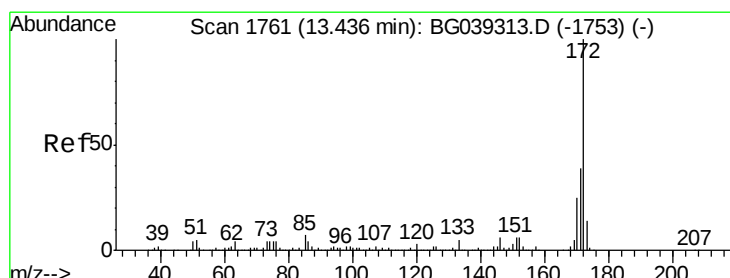
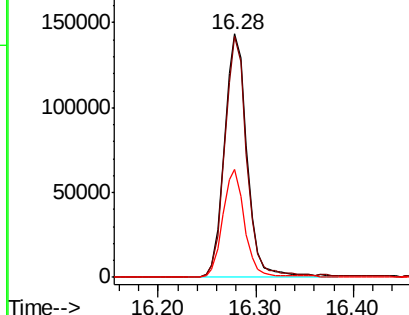
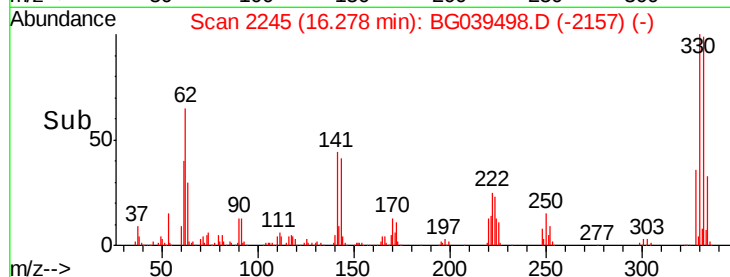


Abundance

Ion 329.80 (329.50 to 330.50): E

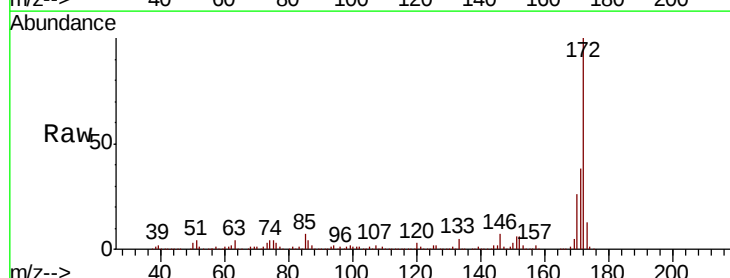
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 87.235 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039498.D
 Acq: 13 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.8	46.2
170	25.5	20.2	30.4

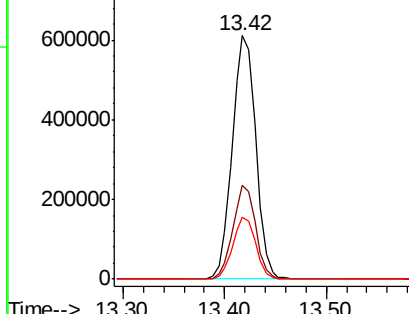
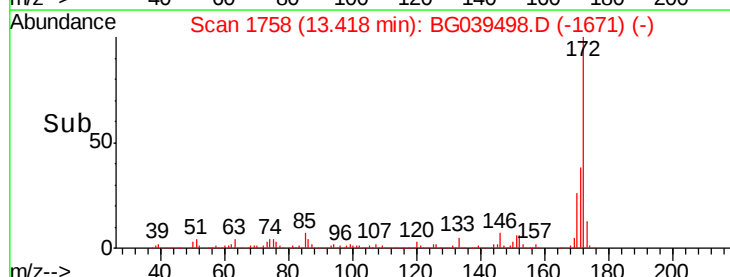


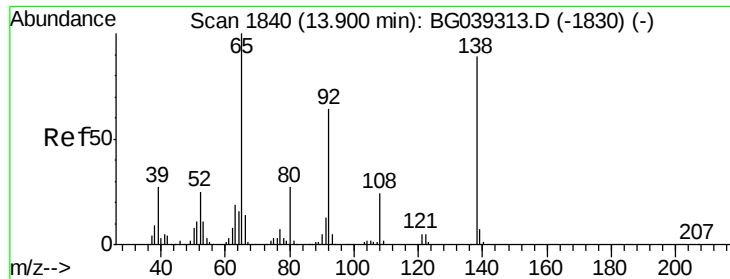
Abundance

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





#48

2-Nitroaniline

Concen: 8.759 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.48 min

Lab File: BG039498.D

Acq: 13 Feb 2019 21:17

Instrument :

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ClientSampleId :

JC-02-021119-F

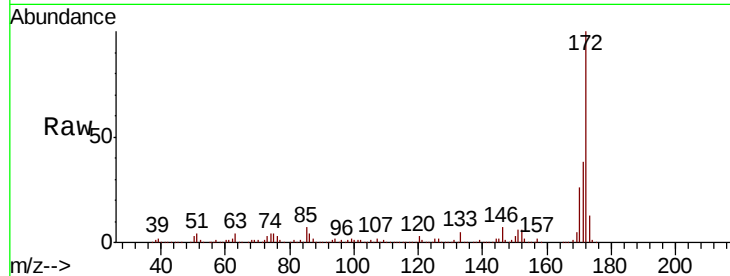
Tgt Ion: 65 Resp: 1628

Ion Ratio Lower Upper

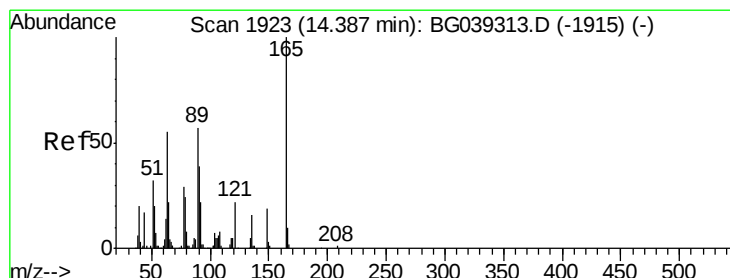
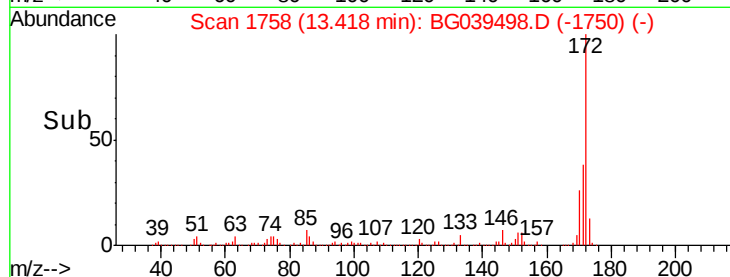
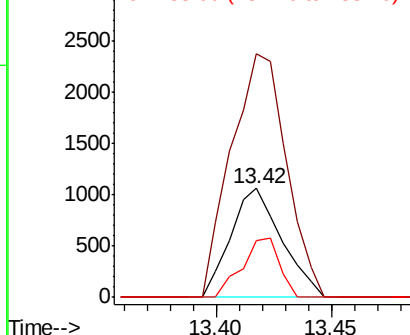
65 100

92 223.1 51.4 77.2#

138 52.2 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 13.664 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.41 min

Lab File: BG039498.D

Acq: 13 Feb 2019 21:17

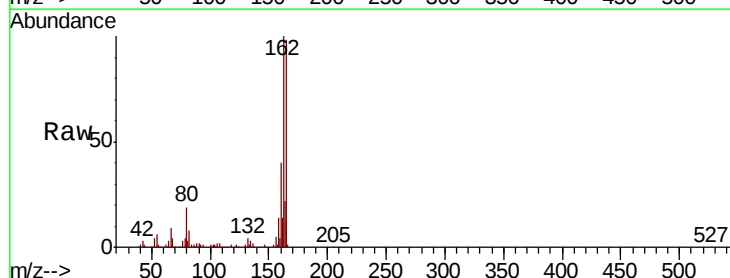
Tgt Ion: 165 Resp: 20099

Ion Ratio Lower Upper

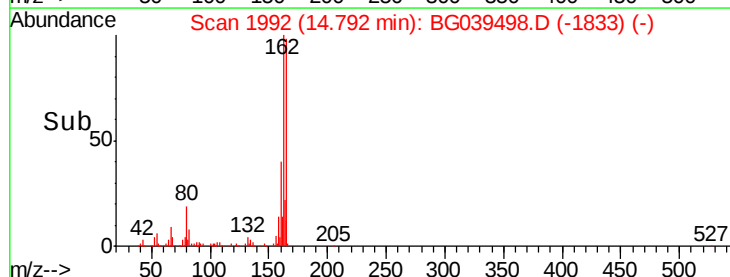
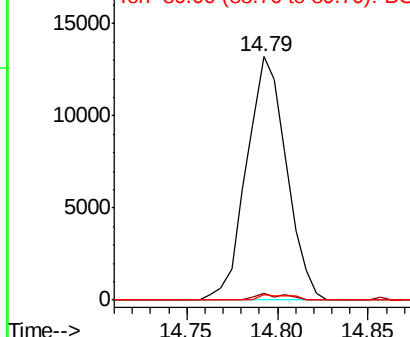
165 100

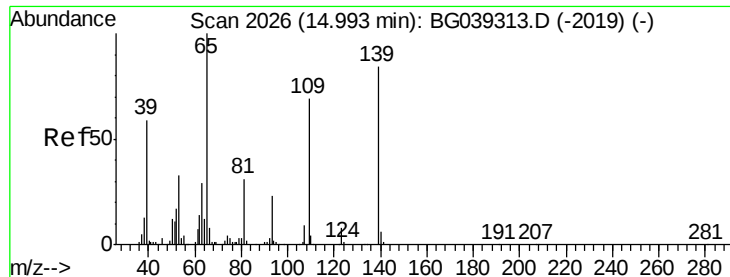
63 2.9 47.0 70.6#

89 2.1 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

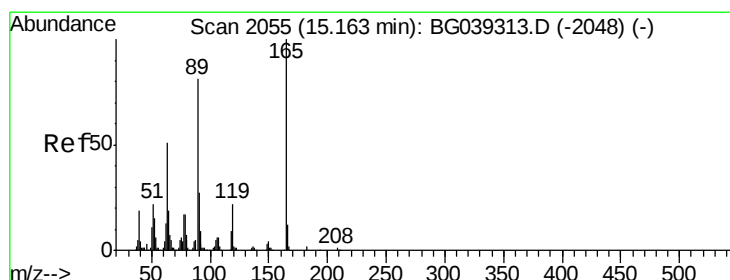
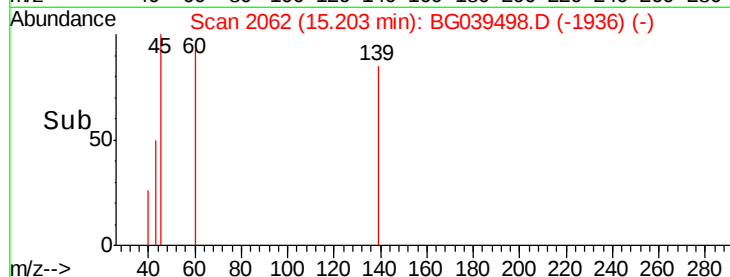
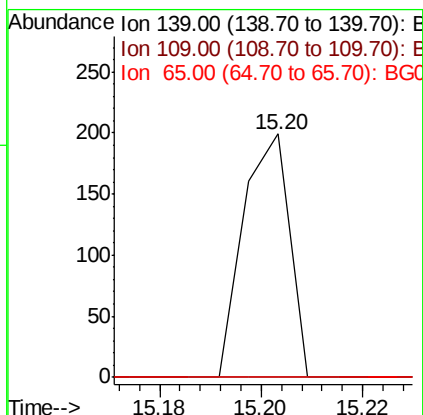
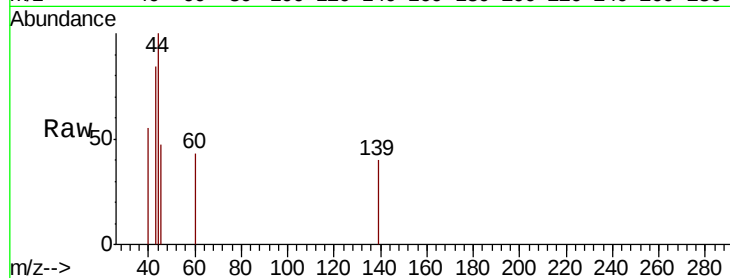




#56
4-Nitrophenol
Concen: 5.844 ng
RT: 15.20 min Scan# 2062
Delta R.T. 0.21 min
Lab File: BG039498.D
Acq: 13 Feb 2019 21:17

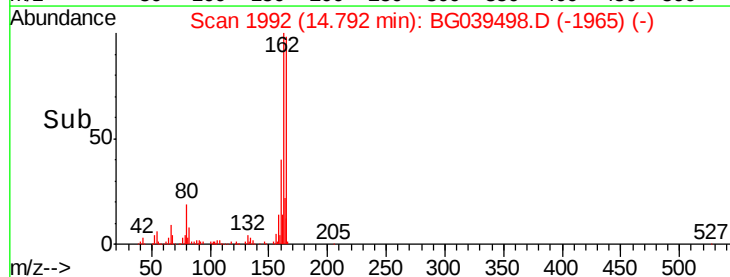
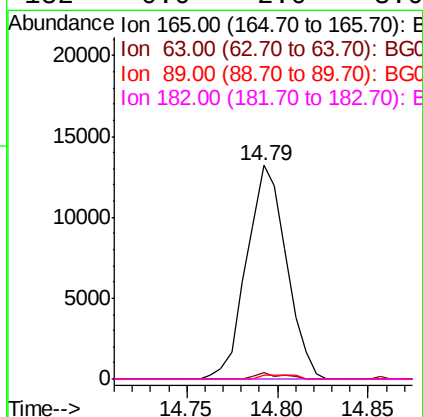
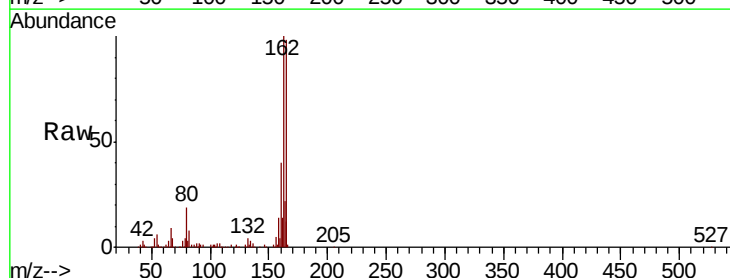
Instrument :
BNA_G
ClientSampleId :
JC-02-021119-F

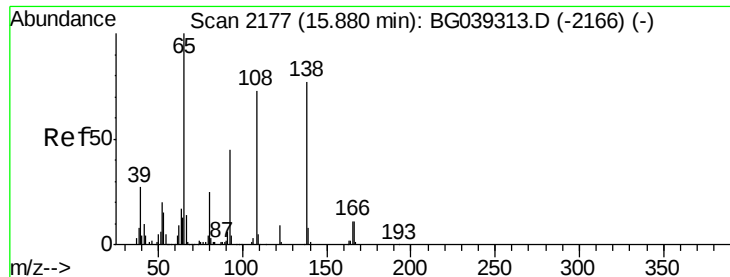
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



#57
2,4-Dinitrotoluene
Concen: 13.202 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.37 min
Lab File: BG039498.D
Acq: 13 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.9	41.0	61.6#
89	2.1	64.6	96.8#
182	0.0	2.0	3.0#





#62

4-Nitroaniline

Concen: 4.221 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.39 min

Lab File: BG039498.D

Acq: 13 Feb 2019 21:17

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-F

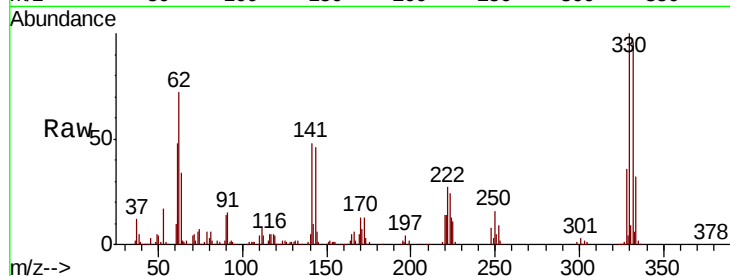
Tgt Ion:138 Resp: 55

Ion Ratio Lower Upper

138 100

92 1051.3 38.7 78.7#

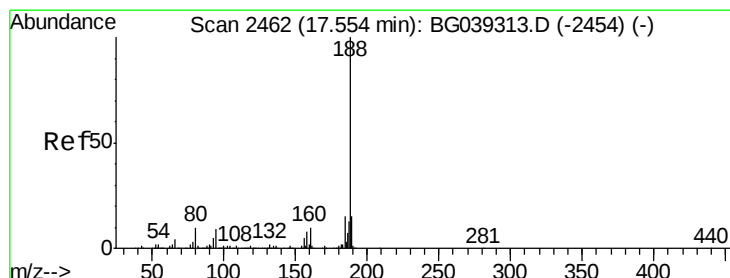
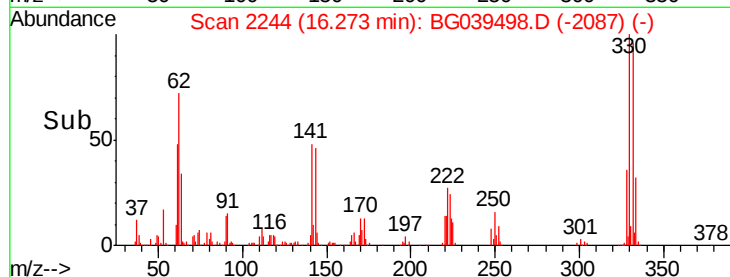
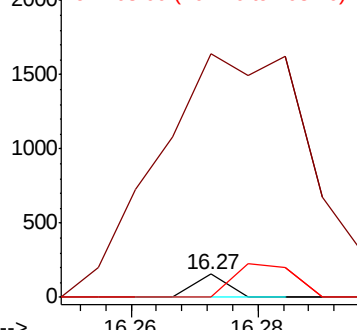
108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039498.D

Acq: 13 Feb 2019 21:17

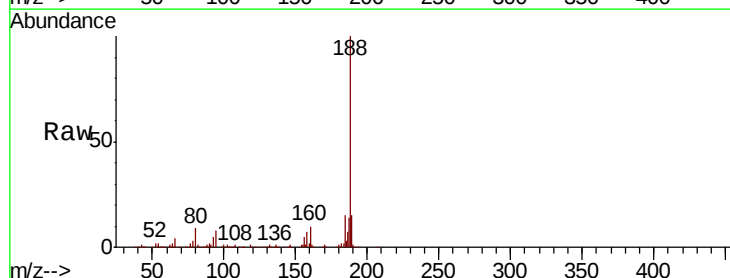
Tgt Ion:188 Resp: 396654

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

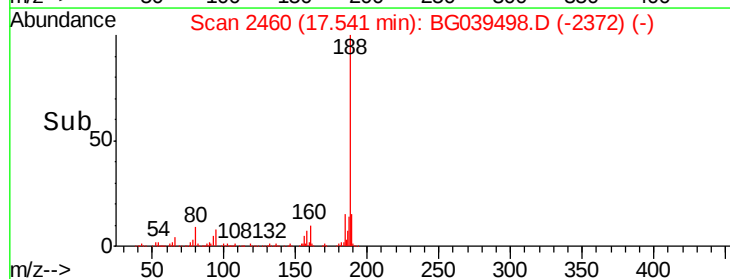
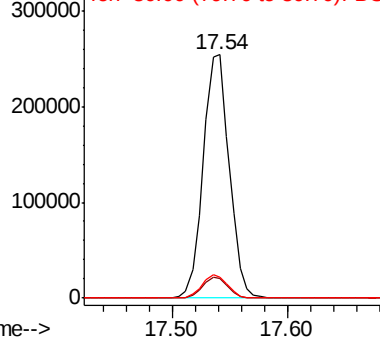
80 8.5 8.1 12.1

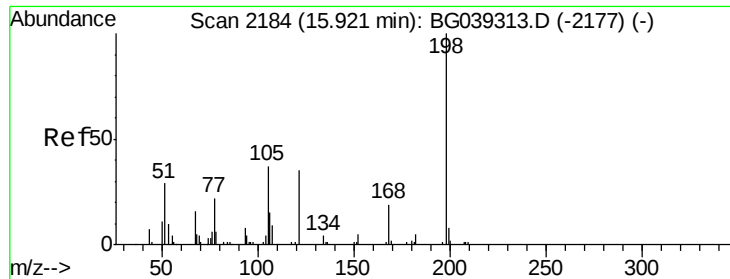


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG





#65

4,6-Dinitro-2-methylphenol

Concen: 4.796 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039498.D

Acq: 13 Feb 2019 21:17

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-F

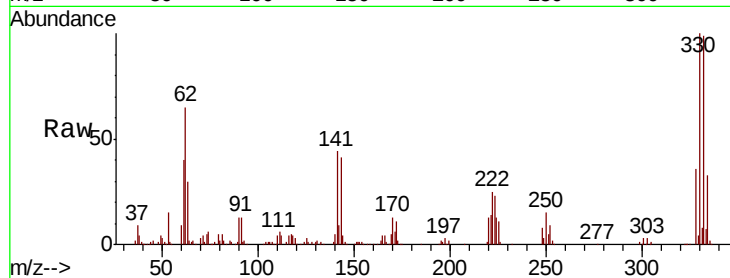
Tgt Ion:198 Resp: 768

Ion Ratio Lower Upper

198 100

51 140.5 27.4 67.4#

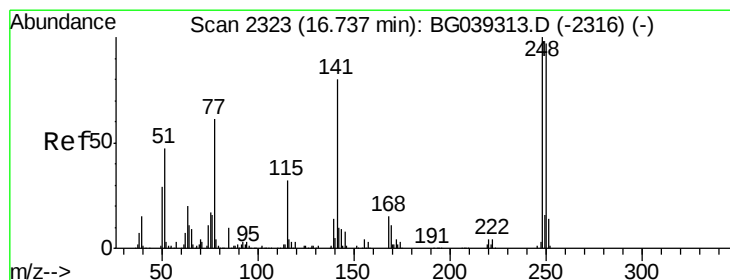
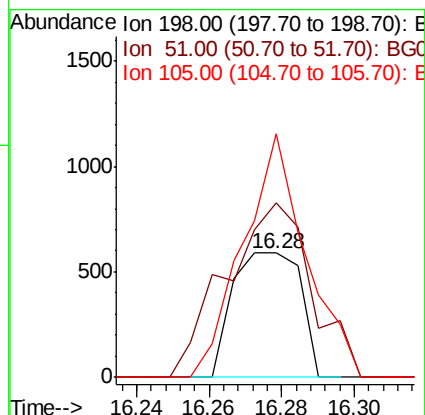
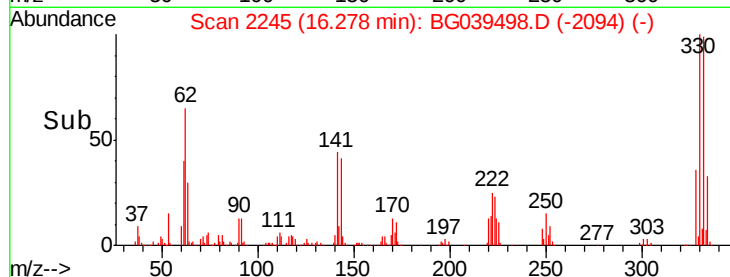
105 195.8 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG039313.D (-2177) (-)

Ion 105.00 (104.70 to 105.70): BG039313.D (-2177) (-)



#67

4-Bromophenyl-phenylether

Concen: 4.064 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.46 min

Lab File: BG039498.D

Acq: 13 Feb 2019 21:17

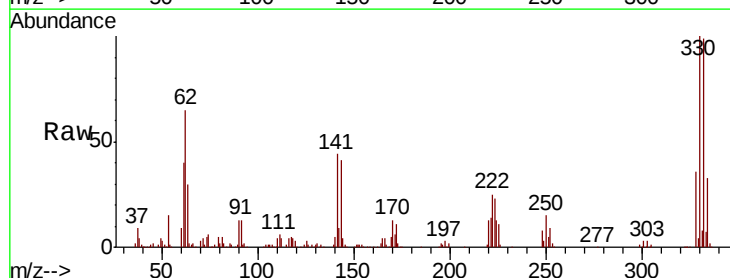
Tgt Ion:248 Resp: 17883

Ion Ratio Lower Upper

248 100

250 180.2 77.6 116.4#

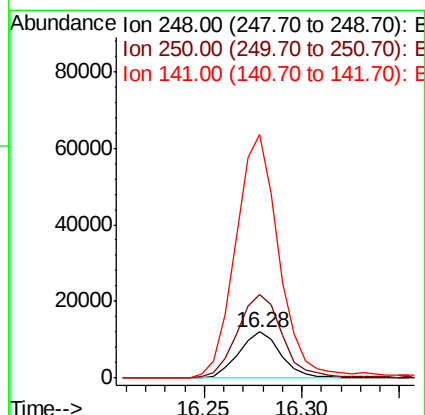
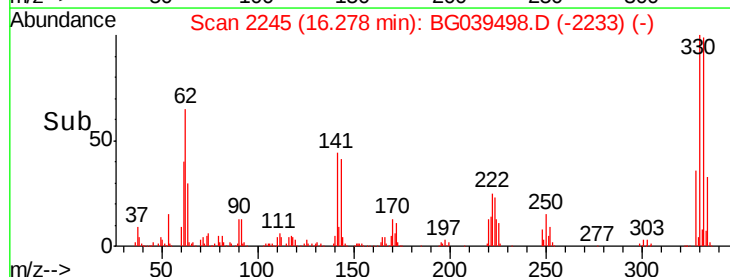
141 527.9 63.9 95.9#

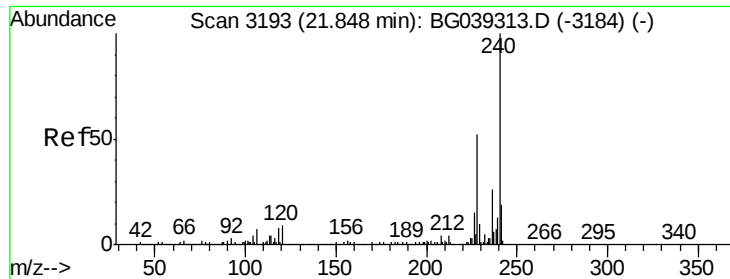


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): BG039313.D (-2316) (-)

Ion 141.00 (140.70 to 141.70): BG039313.D (-2316) (-)

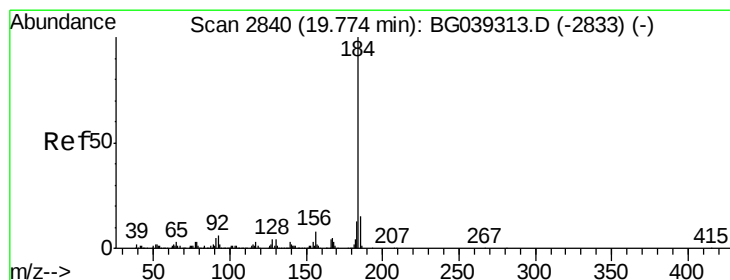
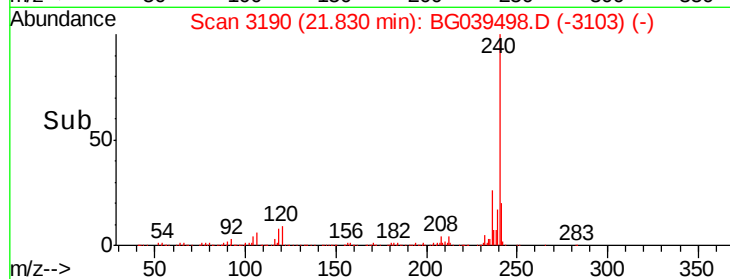
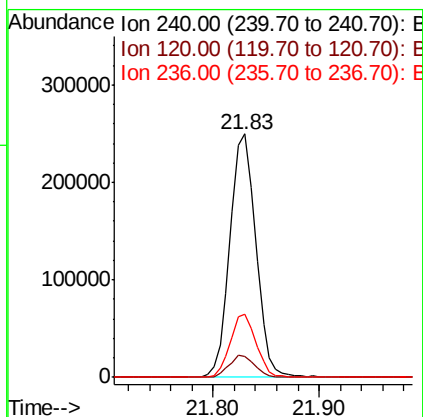
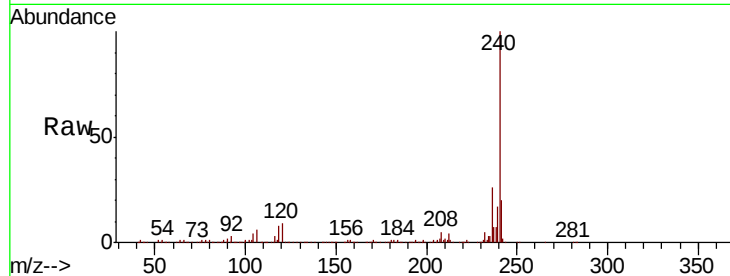




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039498.D
Acq: 13 Feb 2019 21:17

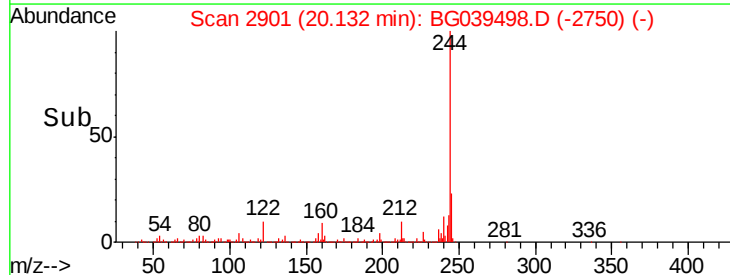
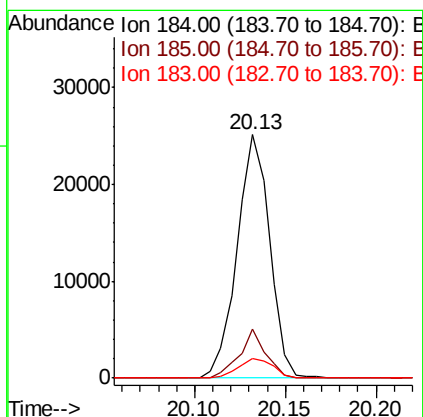
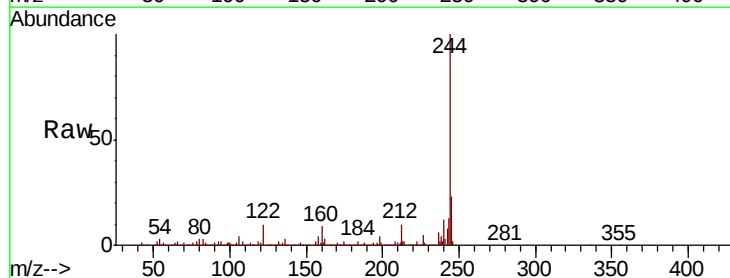
Instrument :
BNA_G
ClientSampleId :
JC-02-021119-F

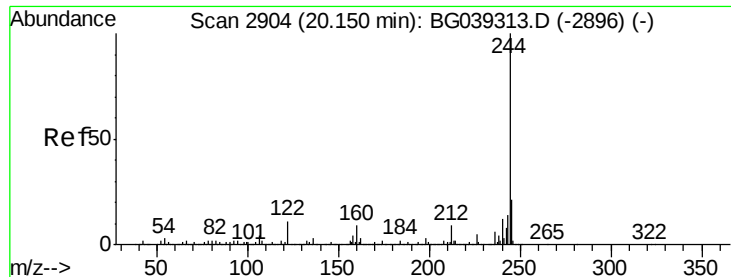
Tgt Ion:240 Resp: 423929
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.6
236 25.9 21.0 31.4



#77
Benzidine
Concen: 2.256 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.36 min
Lab File: BG039498.D
Acq: 13 Feb 2019 21:17

Tgt Ion:184 Resp: 31359
Ion Ratio Lower Upper
184 100
185 20.0 12.2 18.2#
183 8.1 10.6 15.8#





#79

Terphenyl-d14

Concen: 83.810 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039498.D

Acq: 13 Feb 2019 21:17

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-F

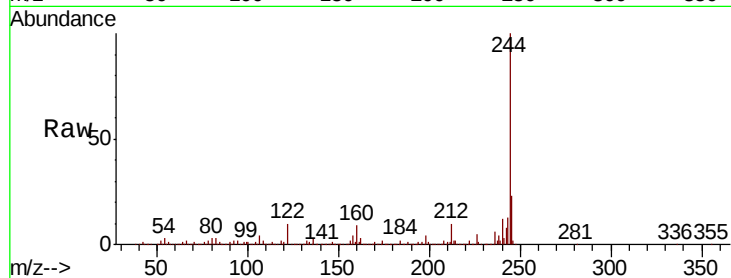
Tgt Ion:244 Resp: 1678534

Ion Ratio Lower Upper

244 100

212 9.7 7.3 10.9

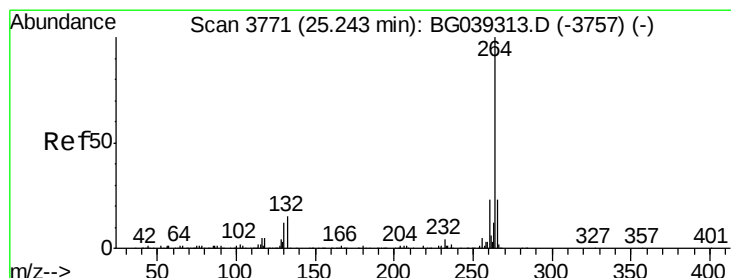
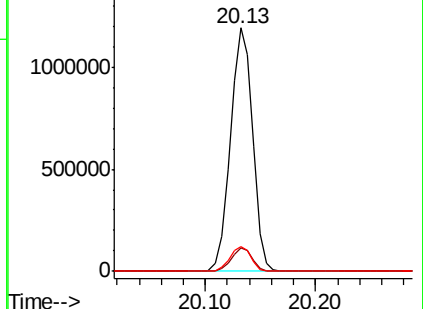
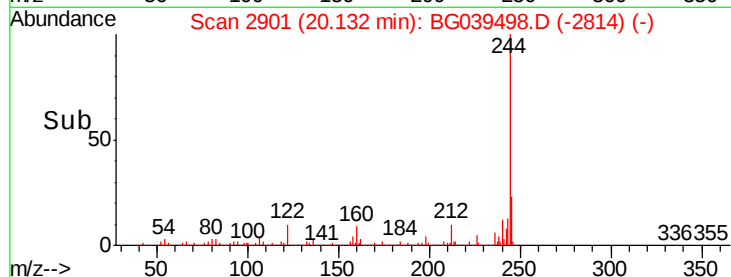
122 10.3 8.4 12.6



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: 25.21 min Scan# 3766

Delta R.T. -0.03 min

Lab File: BG039498.D

Acq: 13 Feb 2019 21:17

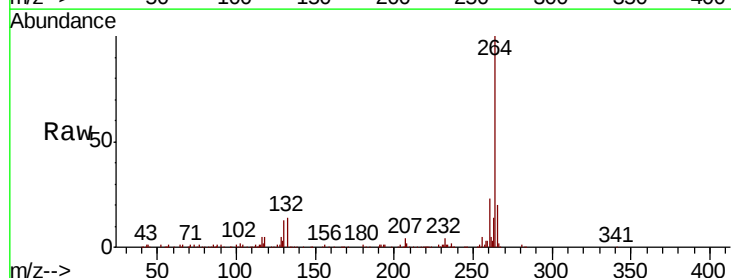
Tgt Ion:264 Resp: 406295

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 20.2 18.5 27.7



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

