

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
 Data File : BG041022.D
 Acq On : 1 Jun 2019 21:15
 Operator : HP/JU
 Sample : K3907-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 03 01:15:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	60260	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	248785	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	181630	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	438249	20.00	ng	0.00
76) Chrysene-d12	21.77	240	416839	20.00	ng	-0.01
87) Perylene-d12	25.10	264	444163	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	285267	85.36	ng	0.00
7) Phenol-d6	7.26	99	433098	83.92	ng	0.00
23) Nitrobenzene-d5	9.29	82	299354	53.42	ng	-0.01
42) 2,4,6-Tribromophenol	16.23	330	222027	82.34	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	657012	52.09	ng	-0.01
79) Terphenyl-d14	20.09	244	1081753	55.08	ng	-0.01

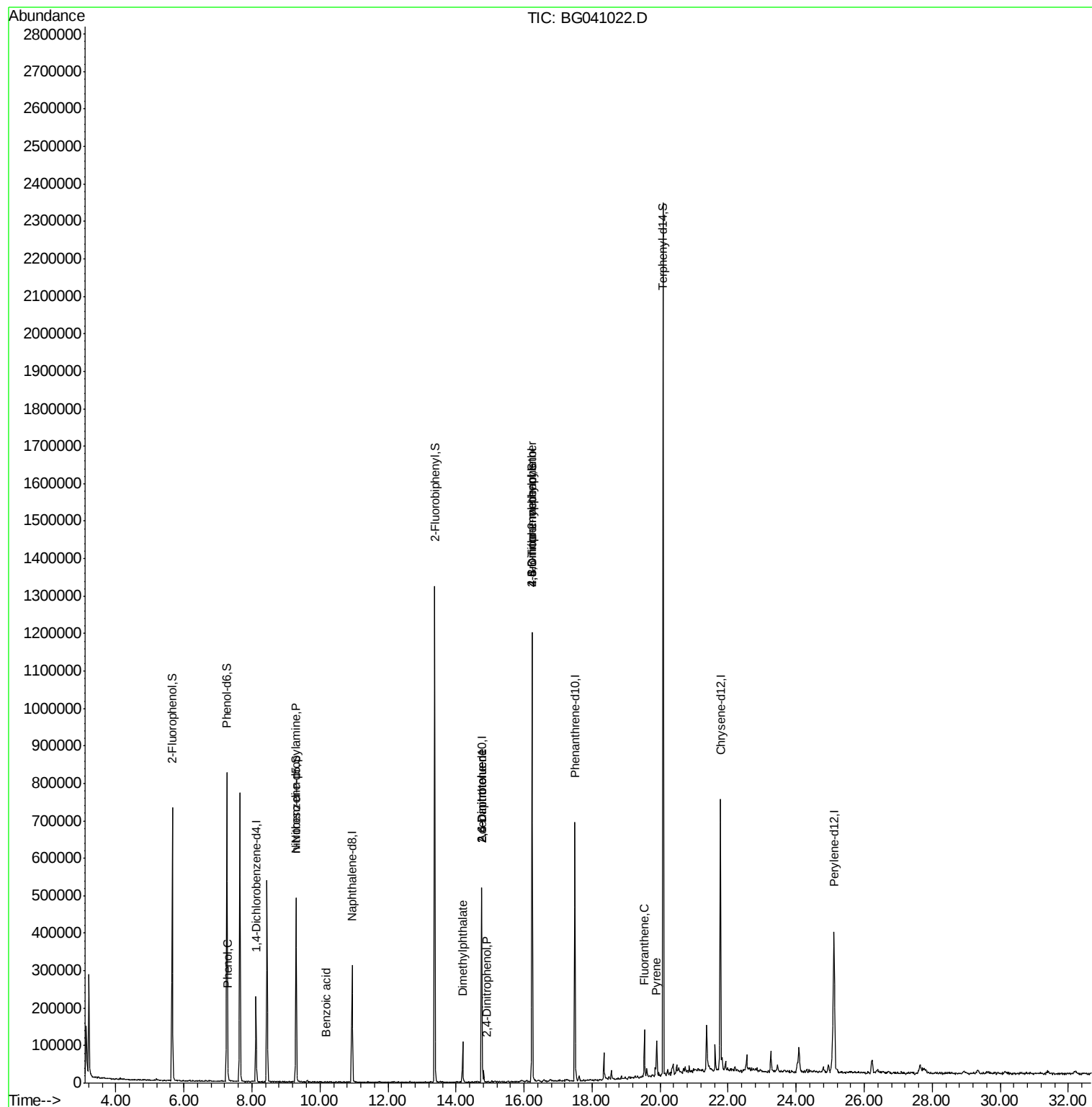
Target Compounds				Qvalue		
10) Phenol	7.29	94	14344	2.592	ng	97
19) n-Nitroso-di-n-propylamine	9.30	70	42134	10.608	ng	# 78
32) Benzoic acid	10.18	122	56	8.145	ng	# 1
50) Dimethylphthalate	14.19	163	69506	4.521	ng	# 95
51) 2,6-Dinitrotoluene	14.75	165	23481	7.083	ng	# 18
54) 2,4-Dinitrophenol	14.92	184	56	8.291	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	23481	5.014	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.23	198	290	8.691	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	16193	2.738	ng	# 1
75) Fluoranthene	19.53	202	82510	2.926	ng	98
78) Pyrene	19.90	202	67416	2.488	ng	95

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

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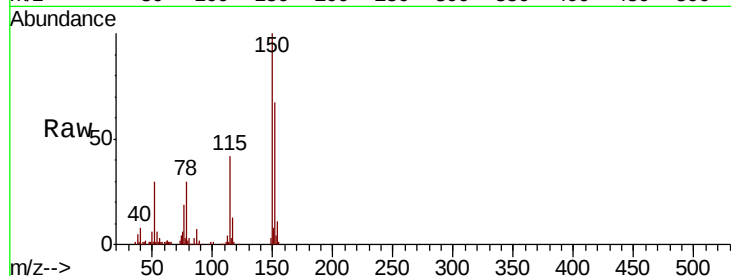


#1

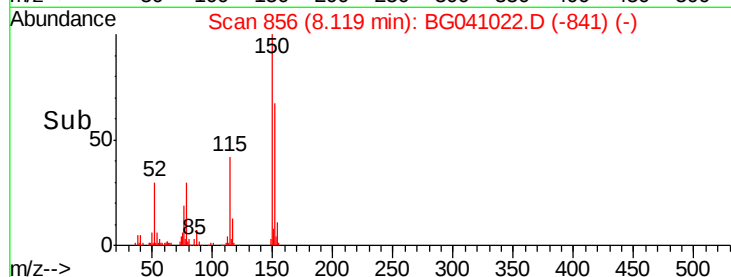
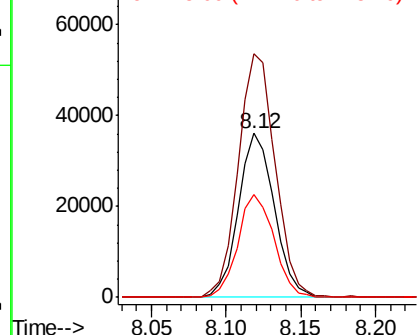
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG041022.D
Acq: 1 Jun 2019 21:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.6	120.6	180.8
115	62.9	45.1	67.7



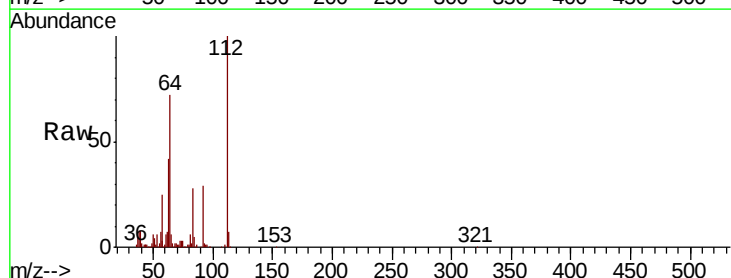
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



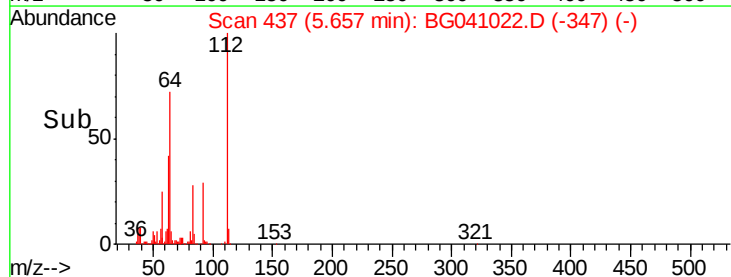
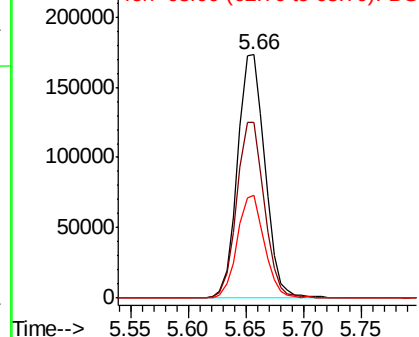
#5

2-Fluorophenol
Concen: 85.363 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG041022.D
Acq: 1 Jun 2019 21:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.3	56.2	84.2
63	42.0	32.8	49.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 83.916 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG041022.D

Acq: 1 Jun 2019 21:15

Instrument :

BNA_G

ClientSampleId :

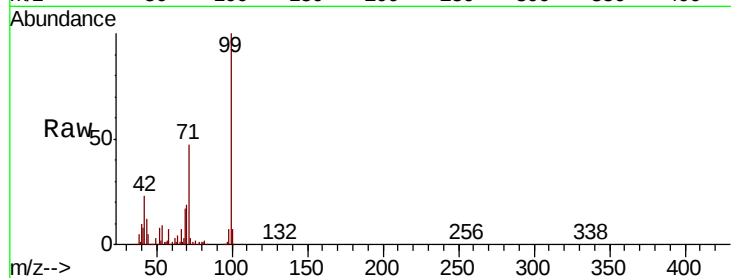
Tot Ion: 99 Resp: 433098

Ion Ratio Lower Upper

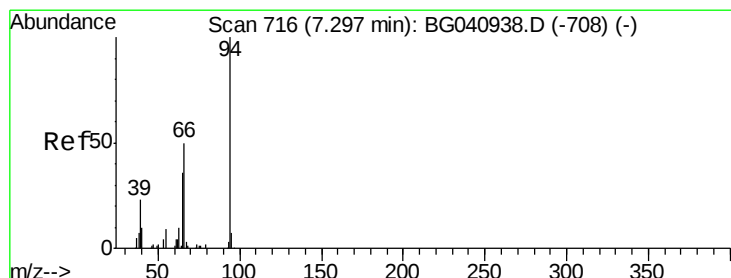
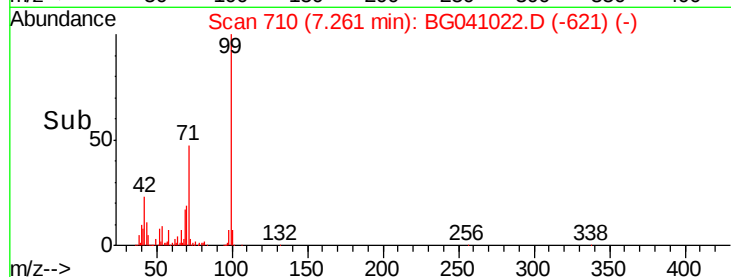
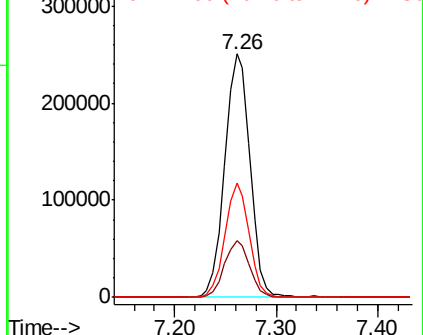
99 100

42 23.2 17.9 26.9

71 47.1 35.4 53.0



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: 2.592 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG041022.D

Acq: 1 Jun 2019 21:15

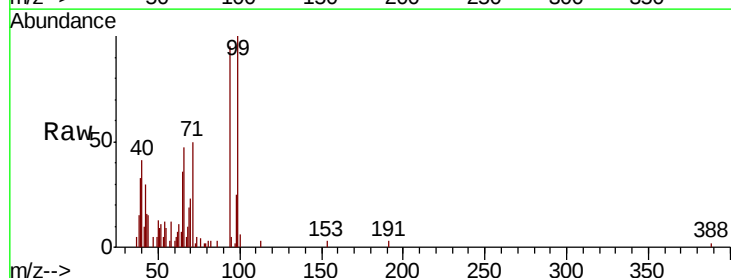
Tgt Ion: 94 Resp: 14344

Ion Ratio Lower Upper

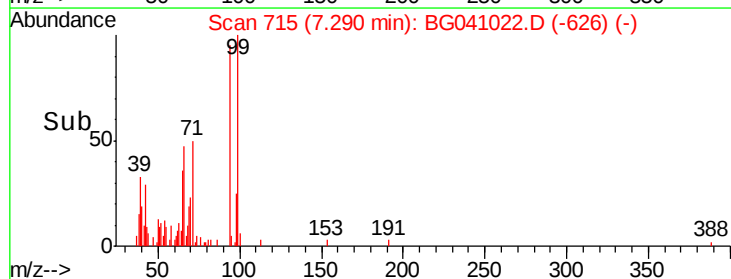
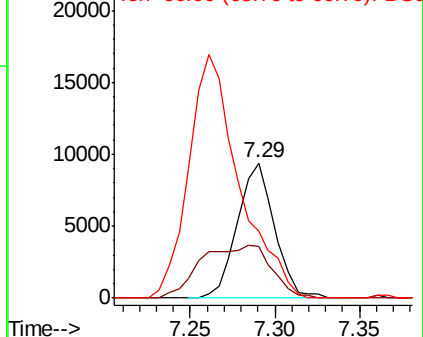
94 100

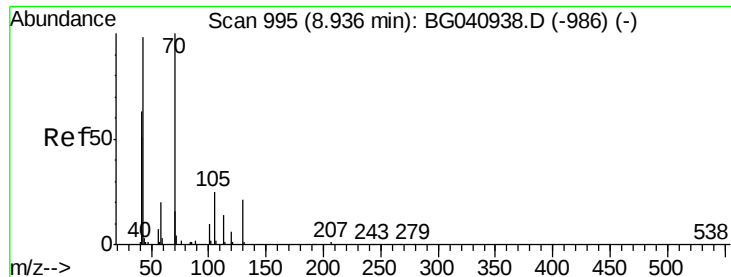
65 38.0 17.0 57.0

66 49.6 32.4 72.4



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 10.608 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041022.D

Acq: 1 Jun 2019 21:15

Instrument :

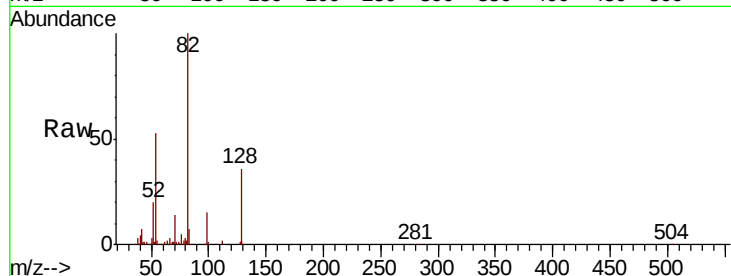
BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 42134

Ion Ratio Lower Upper

70	100		
42	52.7	51.5	77.3
101	0.0	8.1	12.1#
130	1.5	16.6	24.8#



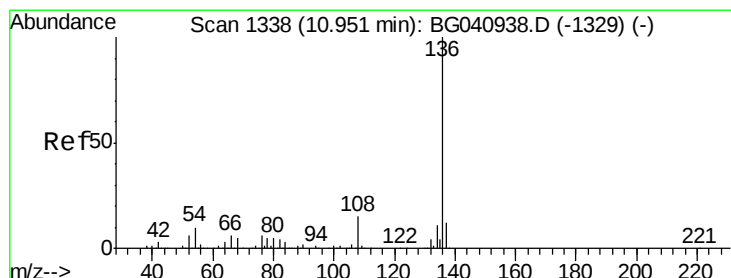
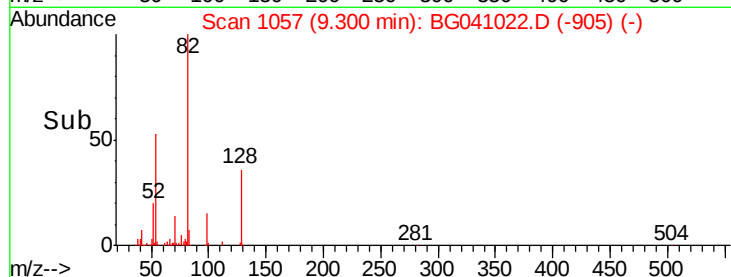
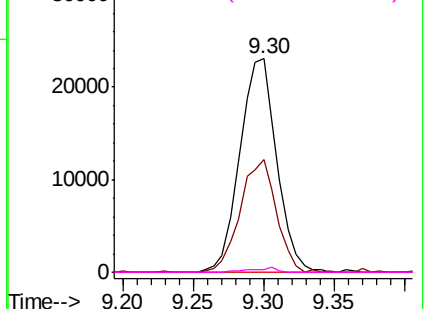
Abundance

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: 10.94 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BG041022.D

Acq: 1 Jun 2019 21:15

Tgt Ion: 136 Resp: 248785

Ion Ratio Lower Upper

136	100		
137	10.7	9.5	14.3
54	8.4	7.6	11.4
68	5.2	3.9	5.9

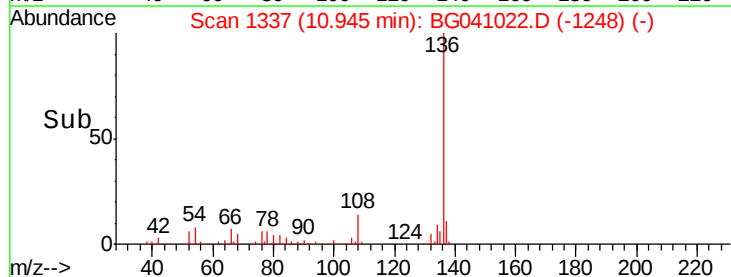
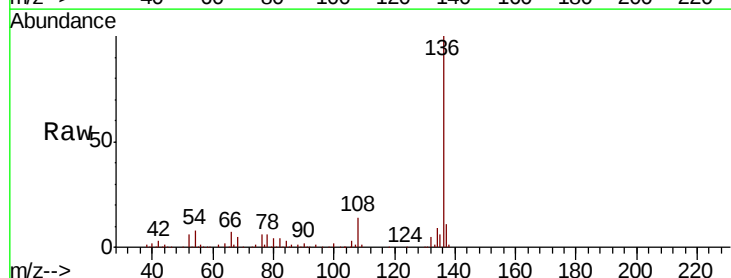
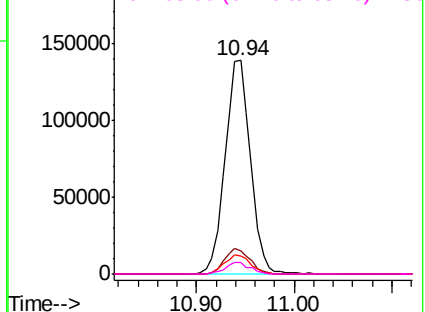
Abundance

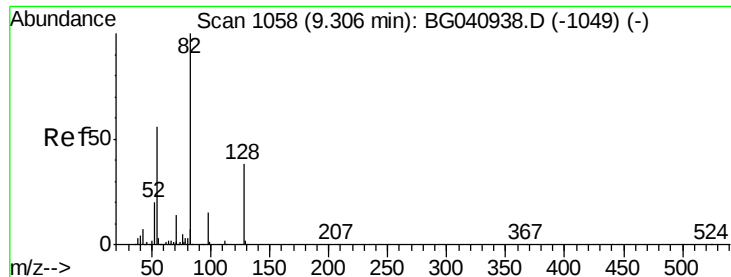
Ion 136.00 (135.70 to 136.70): BGC

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

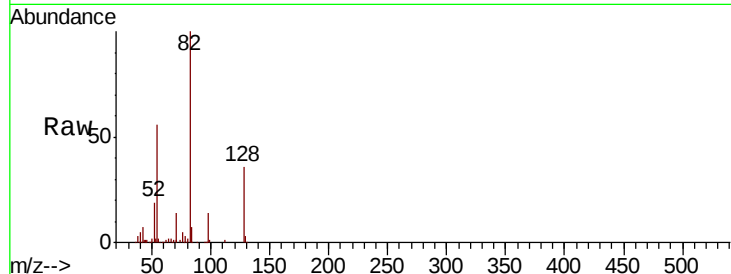




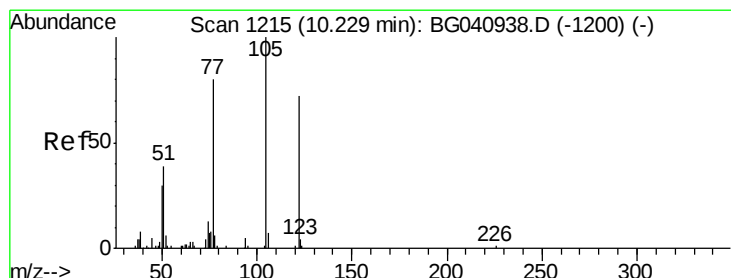
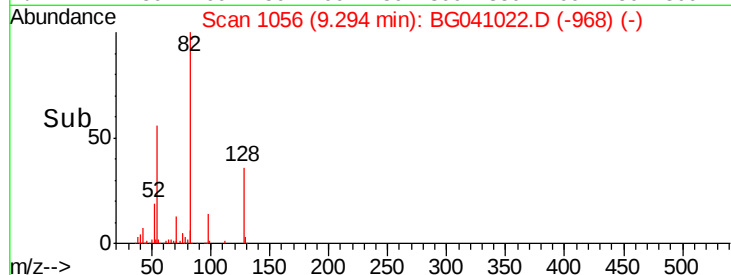
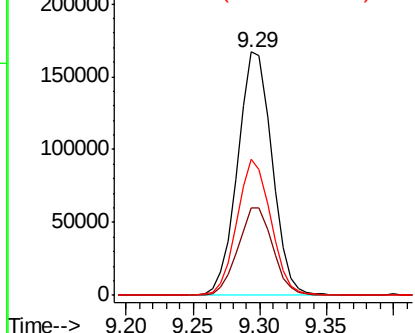
#23
 Nitrobenzene-d5
 Concen: 53.417 ng
 RT: 9.29 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: BG041022.D
 Acq: 1 Jun 2019 21:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.9	30.5	45.7
54	55.6	44.6	66.8

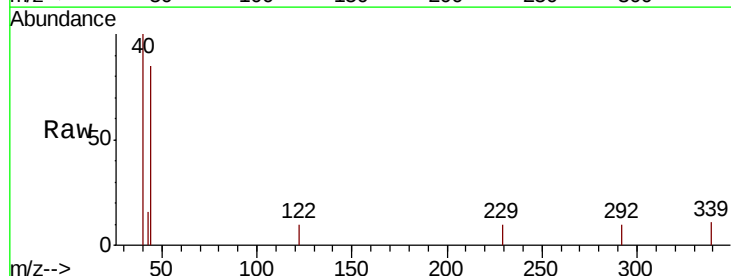


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

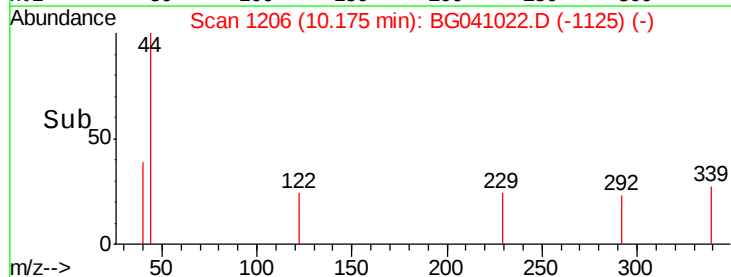
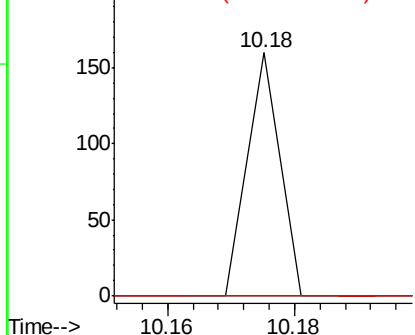


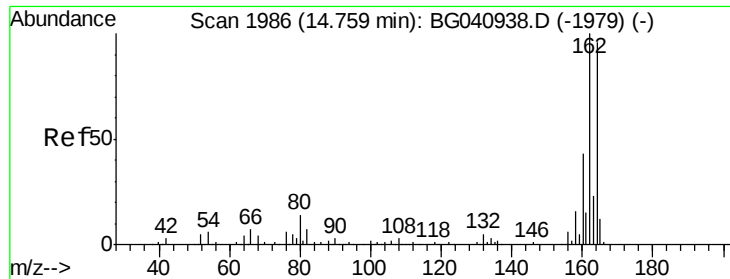
#32
 Benzoic acid
 Concen: 8.145 ng
 RT: 10.18 min Scan# 1206
 Delta R.T. -0.05 min
 Lab File: BG041022.D
 Acq: 1 Jun 2019 21:15

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#



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: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG041022.D

Acq: 1 Jun 2019 21:15

Instrument :

BNA_G

ClientSampleId :

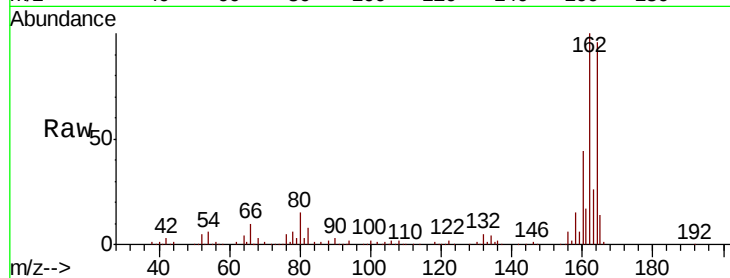
Tot Ion:164 Resp: 181630

Ion Ratio Lower Upper

164 100

162 103.8 83.0 124.4

160 45.8 35.6 53.4

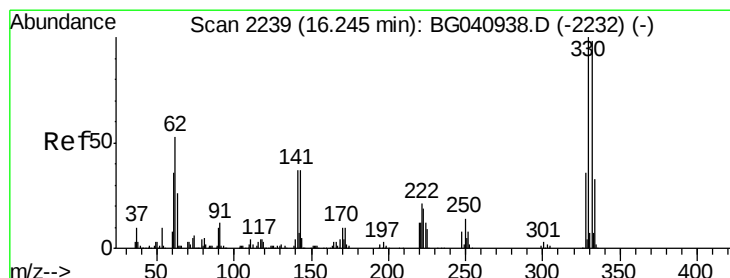
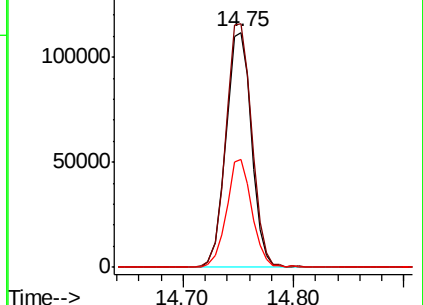
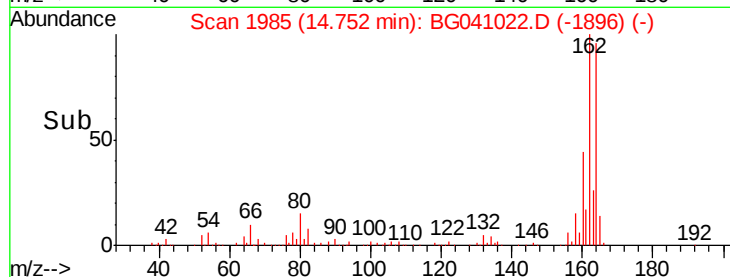


Abundance

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: 82.341 ng

RT: 16.23 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BG041022.D

Acq: 1 Jun 2019 21:15

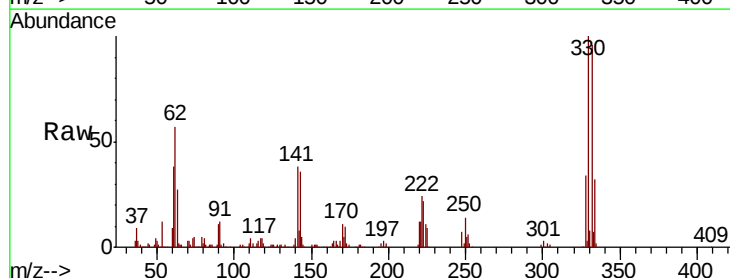
Tgt Ion:330 Resp: 222027

Ion Ratio Lower Upper

330 100

332 95.6 78.5 117.7

141 36.8 28.7 43.1

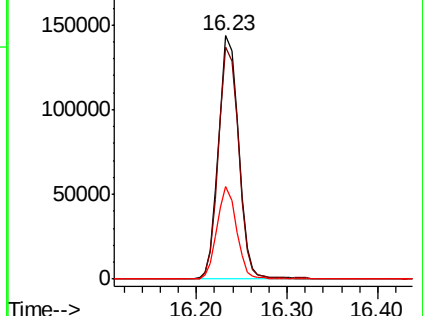
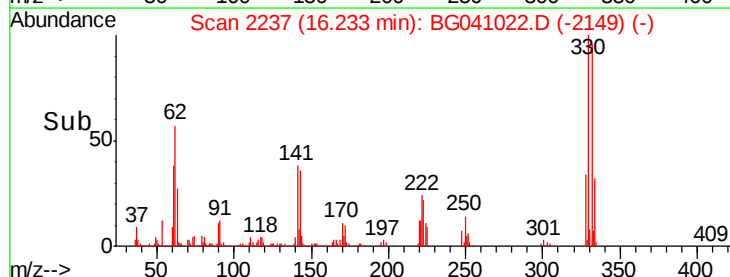


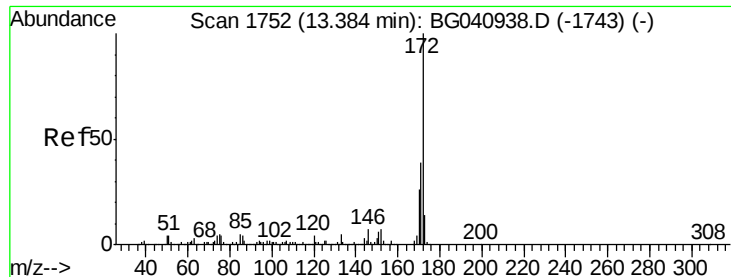
Abundance

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

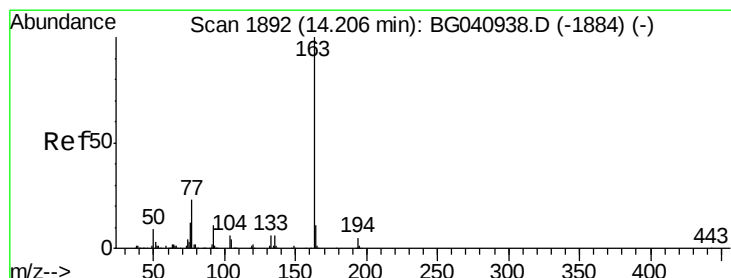
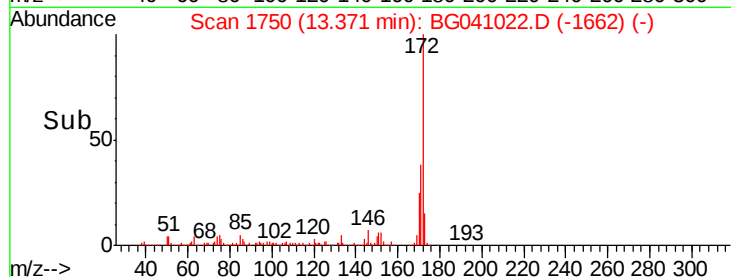
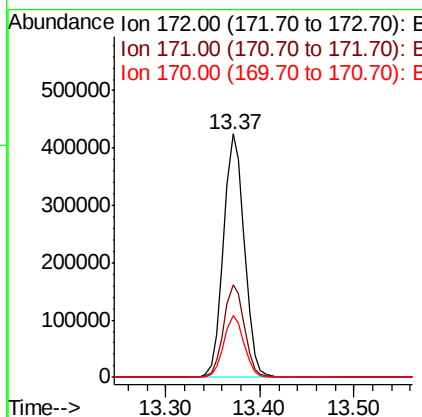
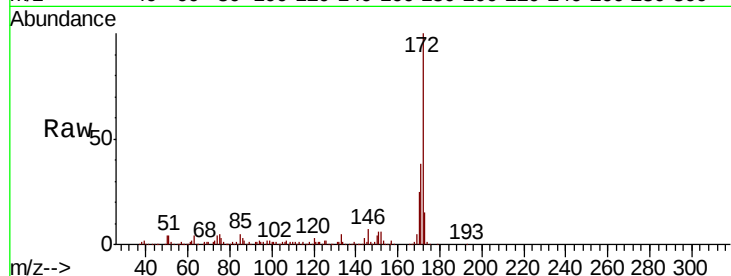




#45
2-Fluorobiphenyl
Concen: 52.093 ng
RT: 13.37 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BG041022.D
Acq: 1 Jun 2019 21:15

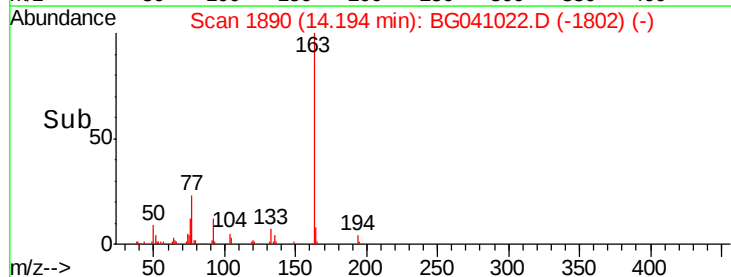
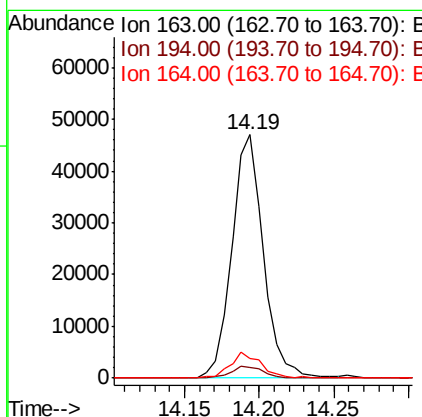
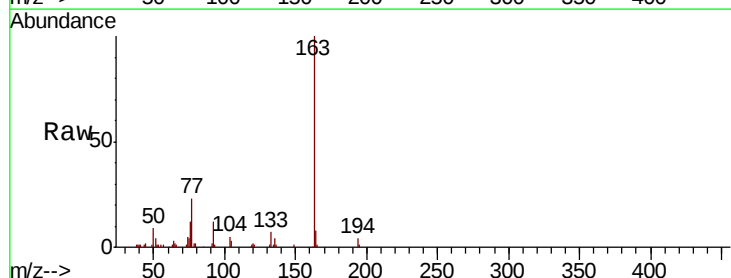
Instrument :
BNA_G
ClientSampleId :

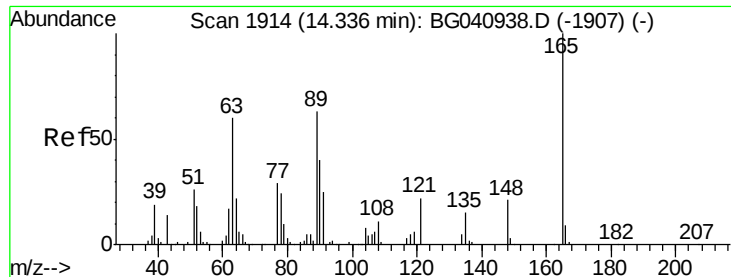
Tot Ion:172 Resp: 657012
Ion Ratio Lower Upper
172 100
171 38.2 31.1 46.7
170 25.3 20.5 30.7



#50
Dimethylphthalate
Concen: 4.521 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG041022.D
Acq: 1 Jun 2019 21:15

Tgt Ion:163 Resp: 69506
Ion Ratio Lower Upper
163 100
194 4.3 3.8 5.8
164 8.3 8.7 13.1#





#51

2,6-Dinitrotoluene

Concen: 7.083 ng

RT: 14.75 min Scan# 1985

Delta R.T. 0.42 min

Lab File: BG041022.D

Acq: 1 Jun 2019 21:15

Instrument :

BNA_G

ClientSampleId :

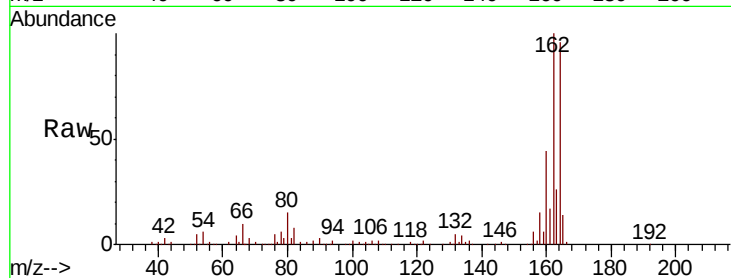
Tot Ion:165 Resp: 23481

Ion Ratio Lower Upper

165 100

63 0.0 53.6 80.4#

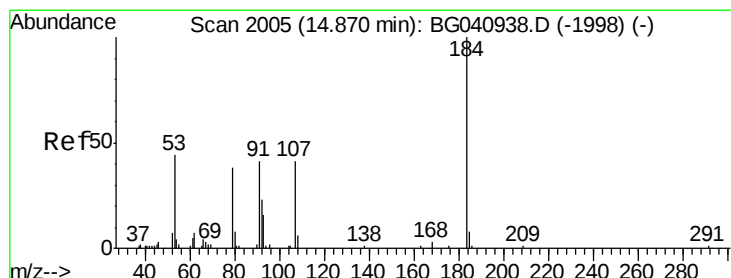
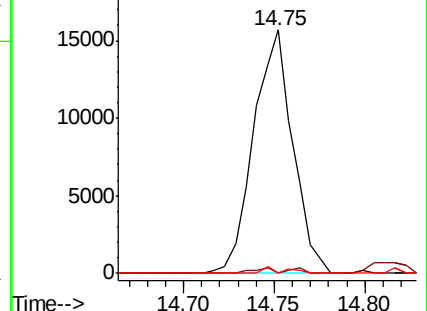
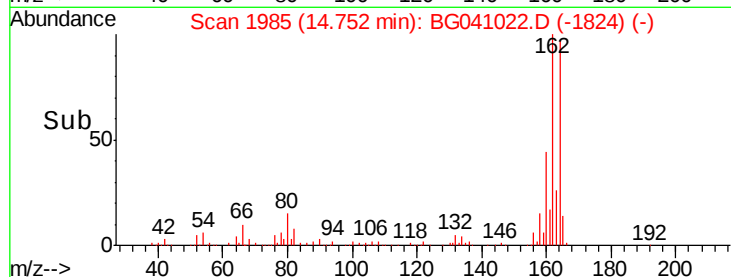
89 0.0 50.4 75.6#



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



#54

2,4-Dinitrophenol

Concen: 8.291 ng

RT: 14.92 min Scan# 2013

Delta R.T. 0.05 min

Lab File: BG041022.D

Acq: 1 Jun 2019 21:15

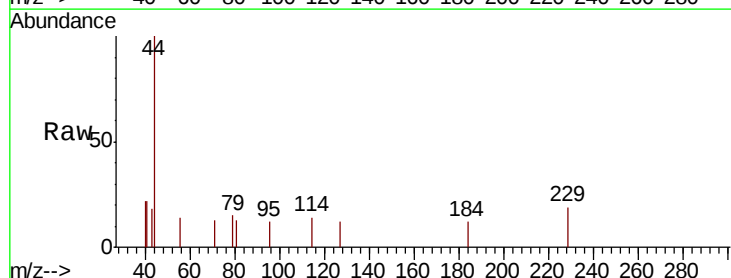
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 0.0 49.8 74.6#

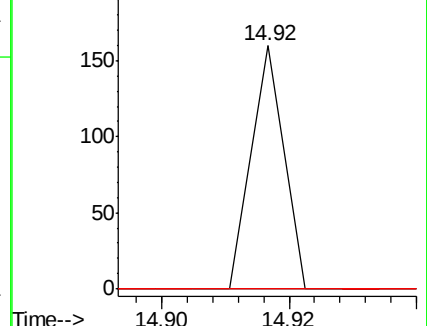
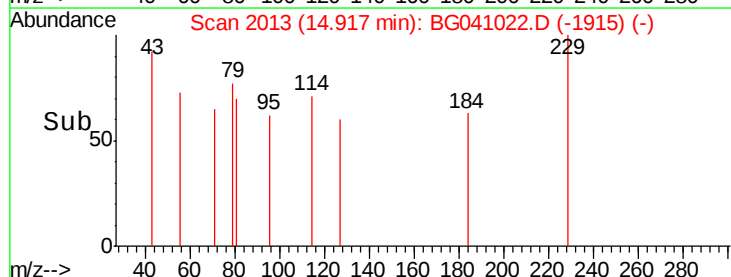
154 0.0 52.2 78.4#

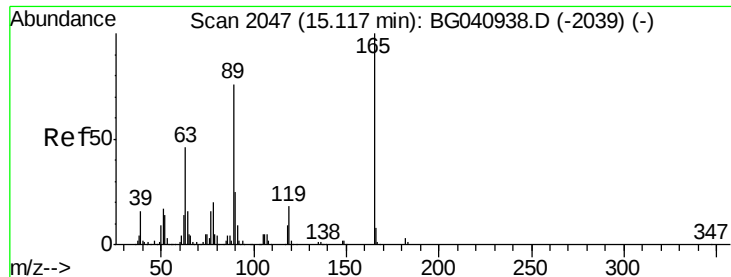


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

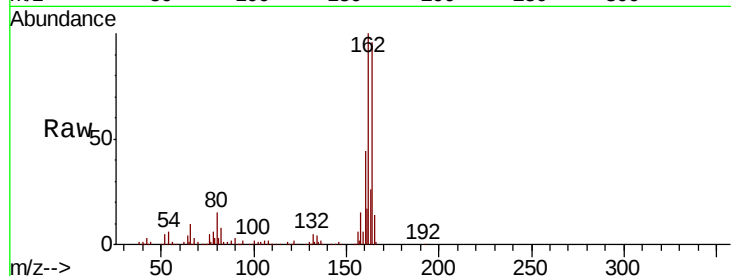




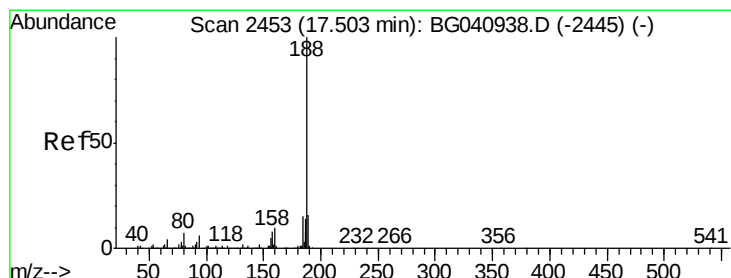
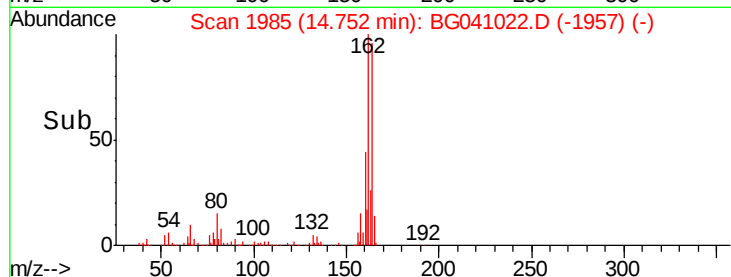
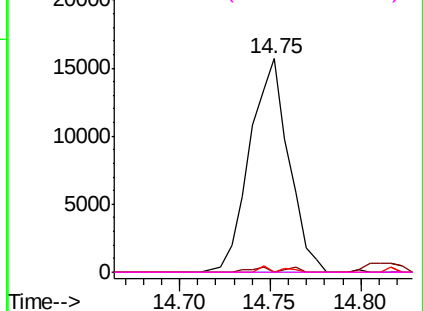
#57
2,4-Dinitrotoluene
Concen: 5.014 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.37 min
Lab File: BG041022.D
Acq: 1 Jun 2019 21:15

Instrument :
BNA_G
ClientSampled :

Tot Ion:165 Resp: 23481
Ion Ratio Lower Upper
165 100
63 0.0 37.3 55.9#
89 0.0 61.0 91.6#
182 0.0 2.2 3.2#

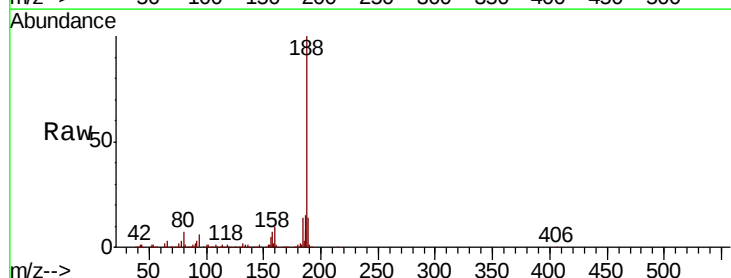


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

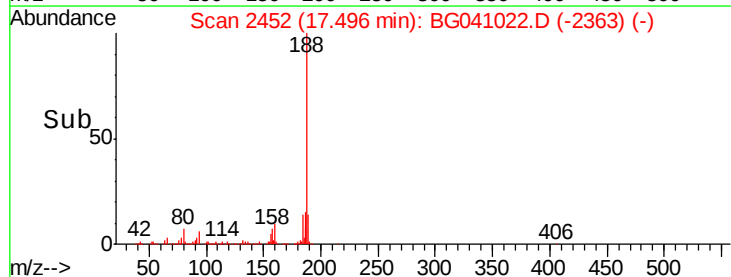
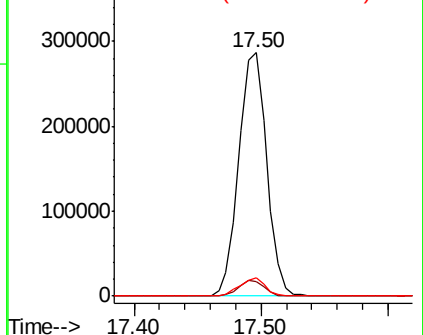


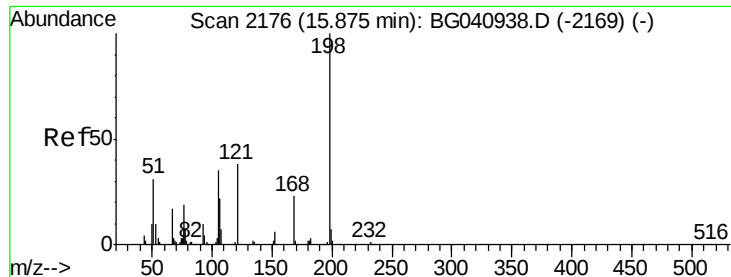
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG041022.D
Acq: 1 Jun 2019 21:15

Tgt Ion:188 Resp: 438249
Ion Ratio Lower Upper
188 100
94 5.7 4.7 7.1
80 7.3 5.8 8.8



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: 8.691 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.35 min

Lab File: BG041022.D

Acq: 1 Jun 2019 21:15

Instrument :

BNA_G

ClientSampled :

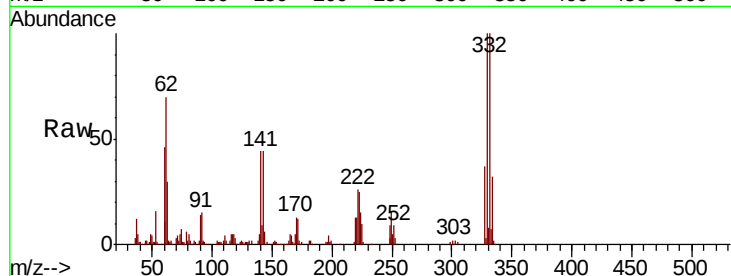
Tot Ion:198 Resp: 290

Ion Ratio Lower Upper

198 100

51 101.2 21.6 61.6#

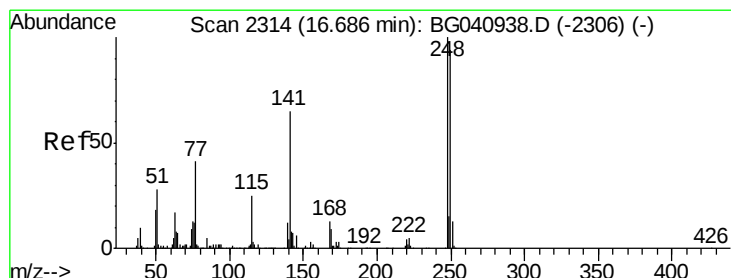
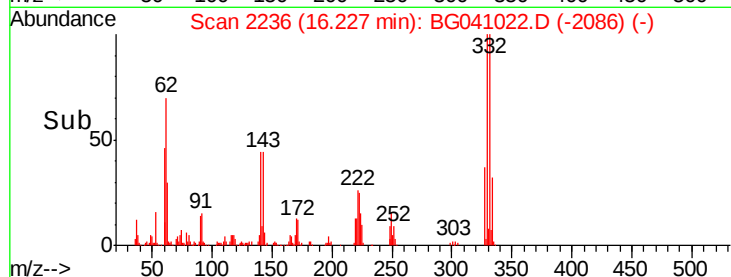
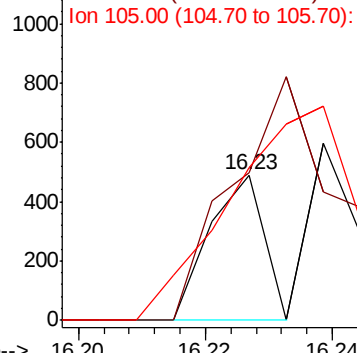
105 105.1 17.5 57.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.738 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG041022.D

Acq: 1 Jun 2019 21:15

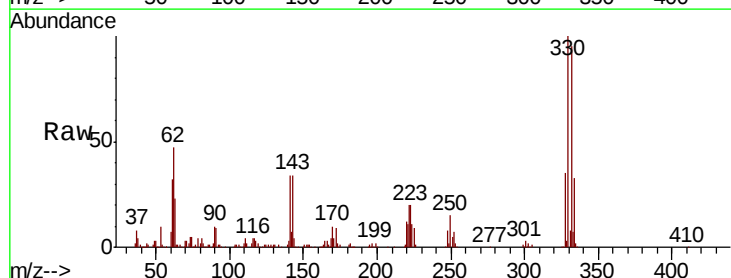
Tgt Ion:248 Resp: 16193

Ion Ratio Lower Upper

248 100

250 192.1 75.0 112.4#

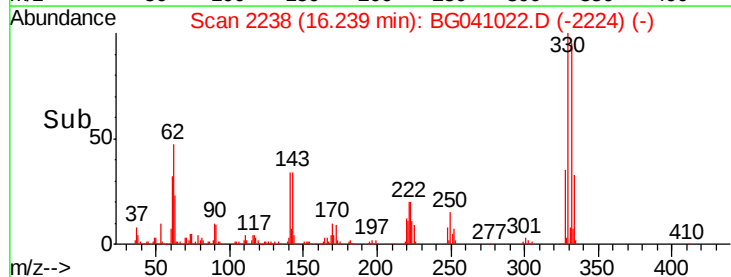
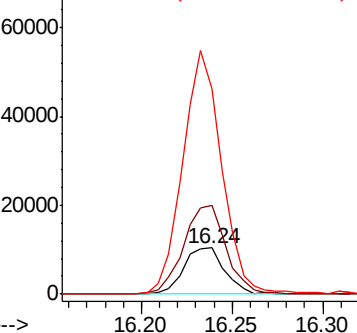
141 445.0 52.4 78.6#

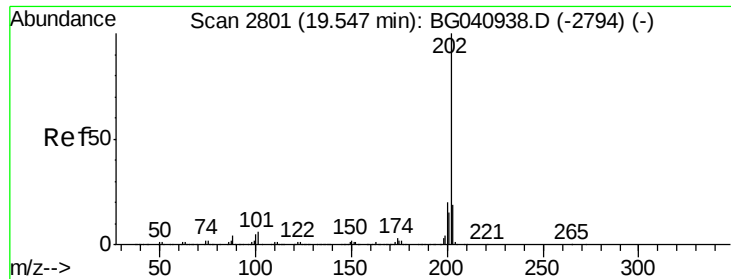


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.926 ng

RT: 19.53 min Scan# 2799

Delta R.T. -0.01 min

Lab File: BG041022.D

Acq: 1 Jun 2019 21:15

Instrument :

BNA_G

ClientSampleId :

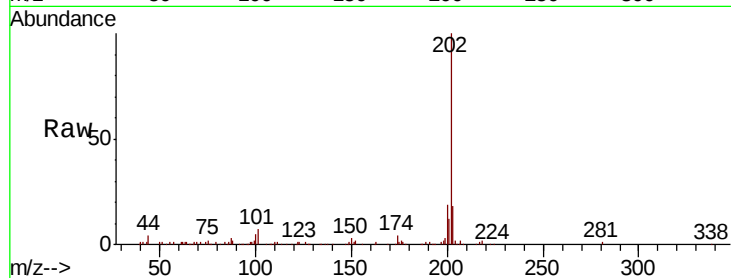
Tot Ion:202 Resp: 82510

Ion Ratio Lower Upper

202 100

101 6.8 0.0 26.2

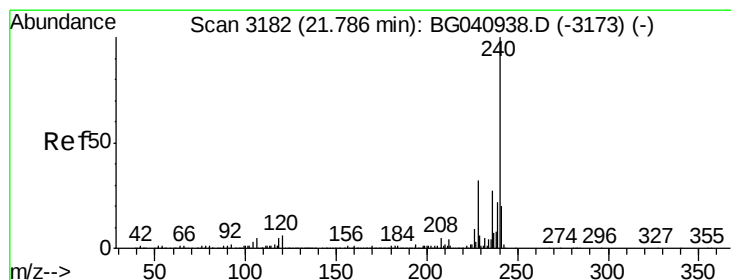
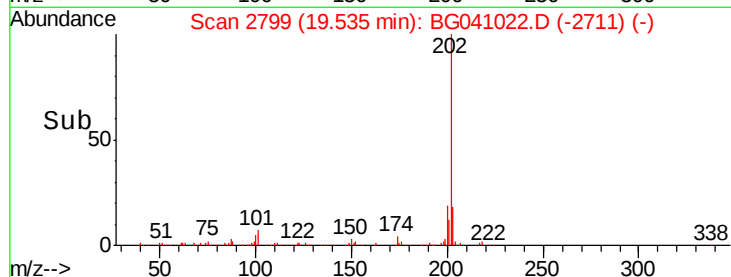
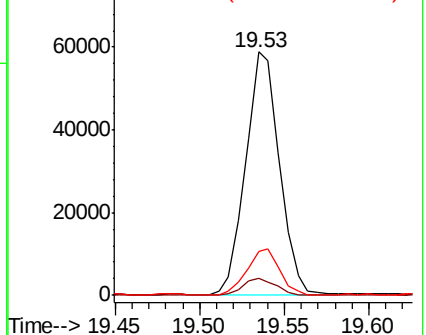
203 17.9 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BG041022.D

Acq: 1 Jun 2019 21:15

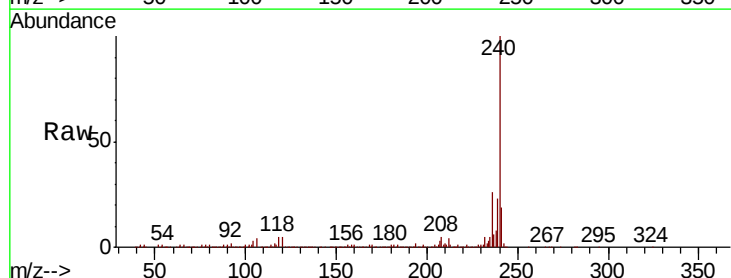
Tgt Ion:240 Resp: 416839

Ion Ratio Lower Upper

240 100

120 5.4 4.5 6.7

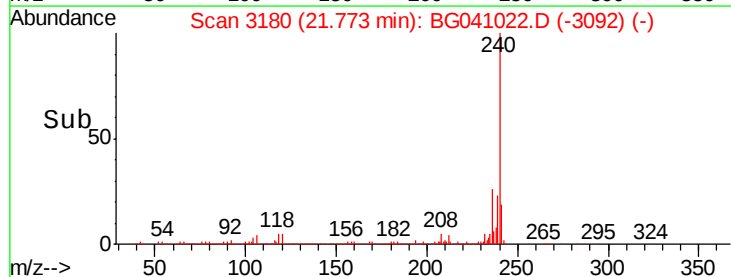
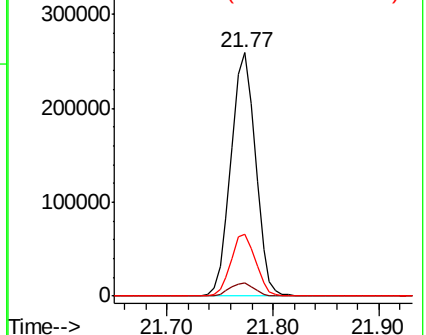
236 25.6 21.3 31.9

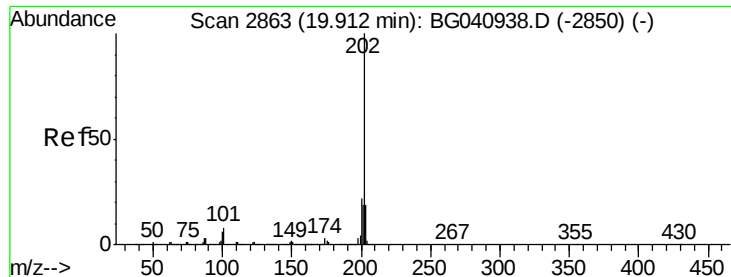


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.488 ng

RT: 19.90 min Scan# 2862

Delta R.T. -0.01 min

Lab File: BG041022.D

Acq: 1 Jun 2019 21:15

Instrument :

BNA_G

ClientSampleId :

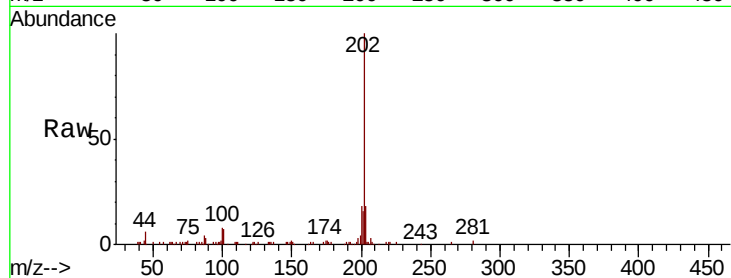
Tot Ion:202 Resp: 67416

Ion Ratio Lower Upper

202 100

200 18.5 17.5 26.3

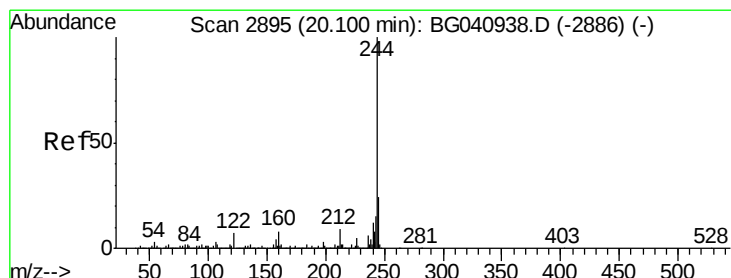
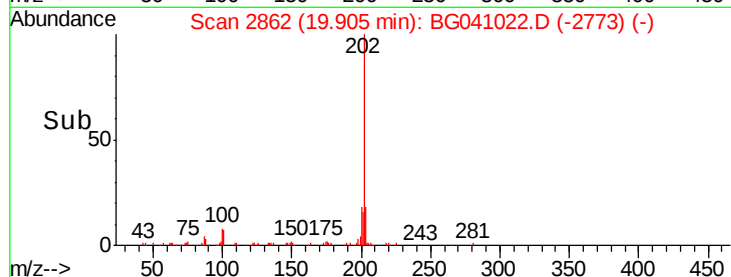
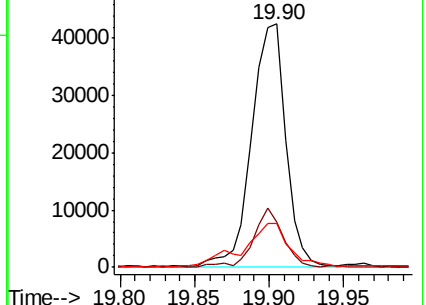
203 18.1 15.6 23.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 55.078 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG041022.D

Acq: 1 Jun 2019 21:15

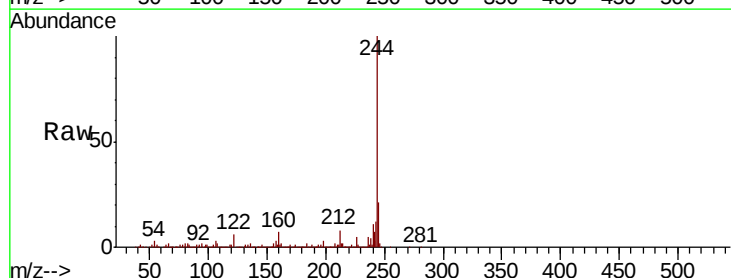
Tgt Ion:244 Resp: 1081753

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.4

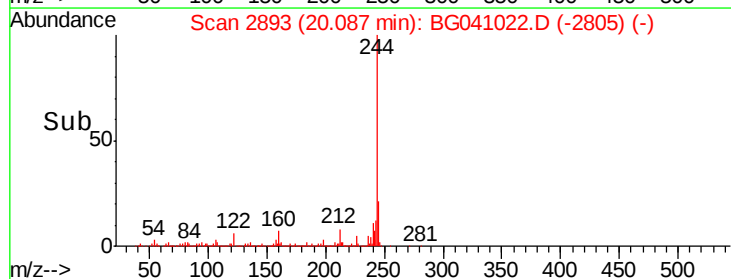
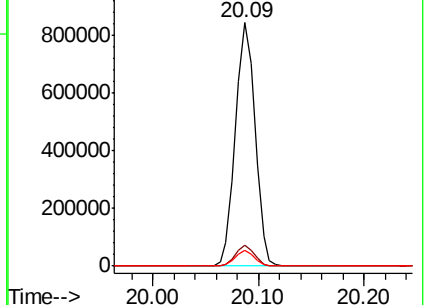
122 6.3 5.4 8.0

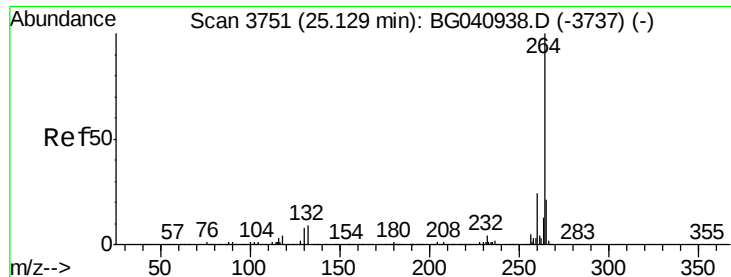


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

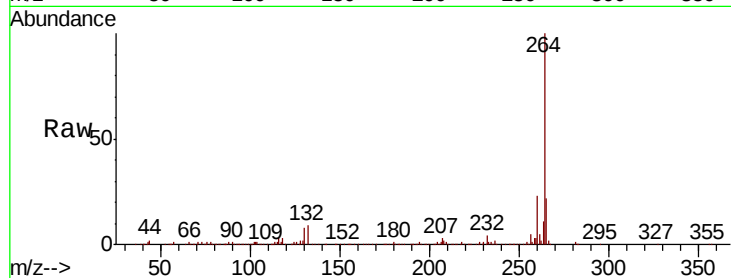




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3747
Delta R.T. -0.02 min
Lab File: BG041022.D
Acq: 1 Jun 2019 21:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	21.5	17.0	25.4



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

