

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030119\
 Data File : BG039705.D
 Acq On : 2 Mar 2019 2:52
 Operator : JU/SJ
 Sample : K1675-29
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 Z-3-13-A

Quant Time: Mar 02 03:38:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 06:15:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	59218	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	265022	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	177815	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	423820	20.00	ng	0.00
76) Chrysene-d12	21.82	240	427385	20.00	ng	0.00
87) Perylene-d12	25.20	264	426891	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	359644	103.94	ng	0.00
7) Phenol-d6	7.31	99	532868	104.63	ng	0.00
23) Nitrobenzene-d5	9.34	82	313645	73.93	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	182523	95.32	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	748526	60.39	ng	0.00
79) Terphenyl-d14	20.13	244	1125415	55.74	ng	0.00

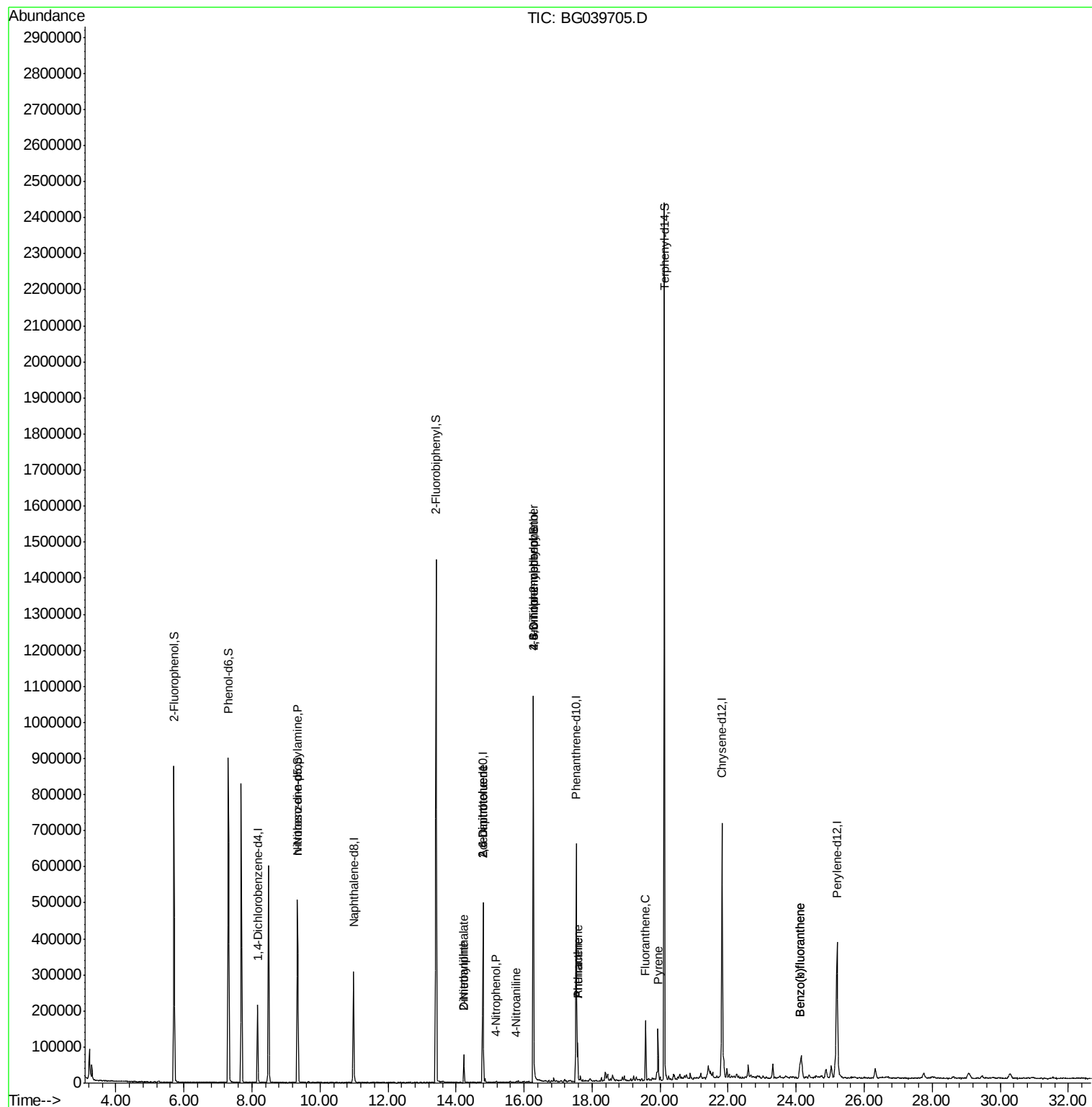
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	931	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	41033	11.351	ng	# 68
48) 2-Nitroaniline	14.23	65	442	8.411	ng	# 1
50) Dimethylphthalate	14.23	163	52793	3.676	ng	# 97
51) 2,6-Dinitrotoluene	14.79	165	22520	13.803	ng	# 24
56) 4-Nitrophenol	15.18	139	1096	6.185	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	22520	13.308	ng	# 20
62) 4-Nitroaniline	15.77	138	53	4.219	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.27	198	561	4.598	ng	# 1
67) 4-Bromophenyl-phenylether	16.27	248	14180	3.016	ng	# 1
71) Phenanthrene	17.58	178	66193	3.018	ng	97
72) Anthracene	17.58	178	66193	3.064	ng	98
75) Fluoranthene	19.57	202	103769	4.076	ng	96
78) Pyrene	19.94	202	92772	3.487	ng	96
88) Benzo(b)fluoranthene	24.12	252	72767	3.126	ng	99
89) Benzo(k)fluoranthene	24.12	252	72767	3.113	ng	99

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

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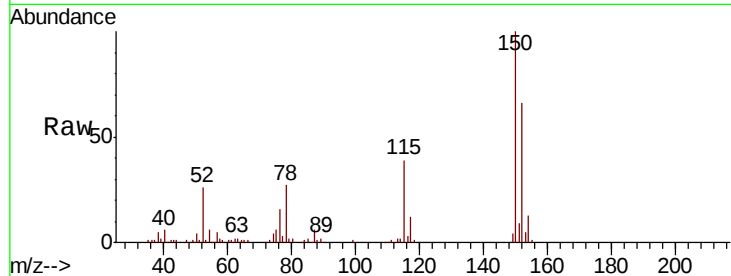


#1

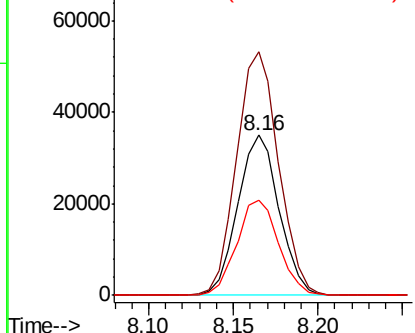
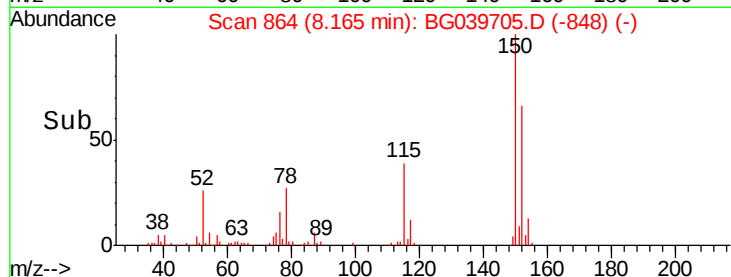
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039705.D
Acq: 2 Mar 2019 2:52

Instrument :
BNA_G
ClientSampleId :
Z-3-13-A

Tgt Ion:152 Resp: 59218
Ion Ratio Lower Upper
152 100
150 152.0 123.7 185.5
115 59.4 45.9 68.9



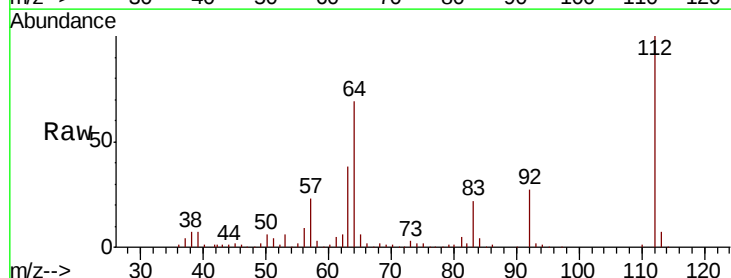
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



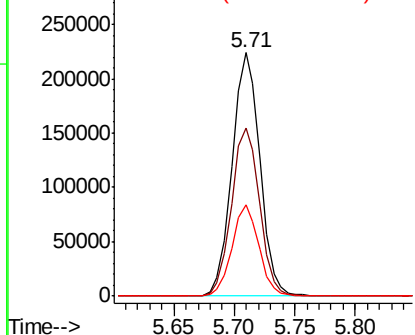
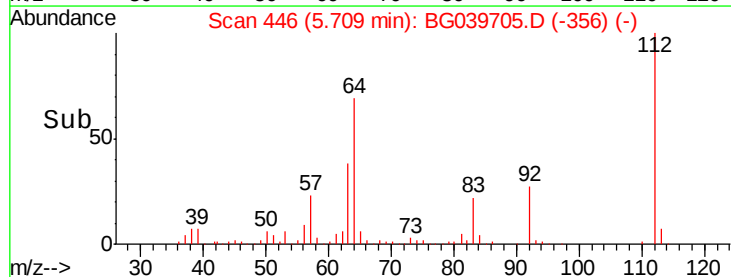
#5

2-Fluorophenol
Concen: 103.944 ng
RT: 5.71 min Scan# 446
Delta R.T. 0.00 min
Lab File: BG039705.D
Acq: 2 Mar 2019 2:52

Tgt Ion:112 Resp: 359644
Ion Ratio Lower Upper
112 100
64 69.0 57.8 86.8
63 37.6 29.8 44.6



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





#7

Phenol-d6

Concen: 104.627 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039705.D

Acq: 2 Mar 2019 2:52

Instrument :

BNA_G

ClientSampleId :

Z-3-13-A

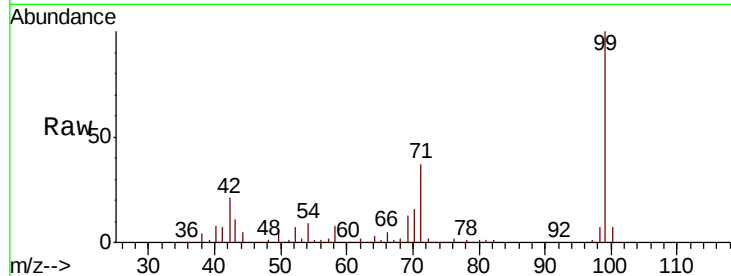
Tgt Ion: 99 Resp: 532868

Ion Ratio Lower Upper

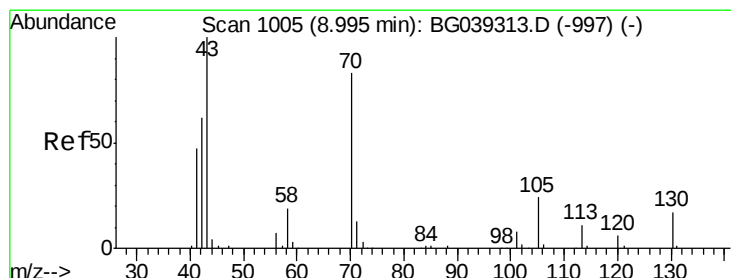
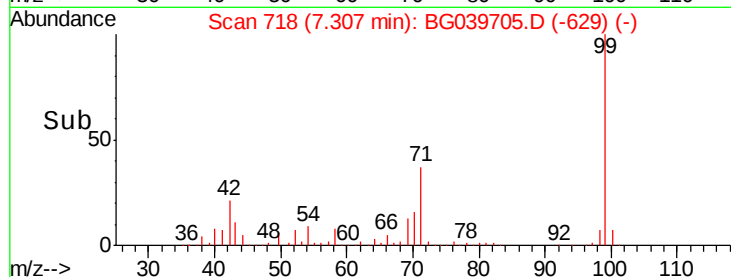
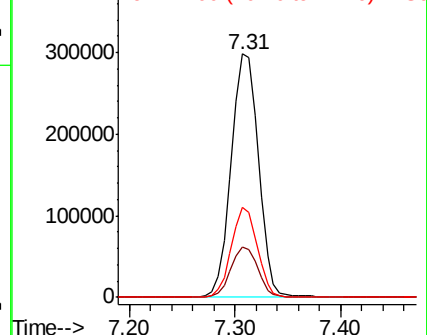
99 100

42 20.6 18.2 27.2

71 36.8 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.351 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039705.D

Acq: 2 Mar 2019 2:52

Tgt Ion: 70 Resp: 41033

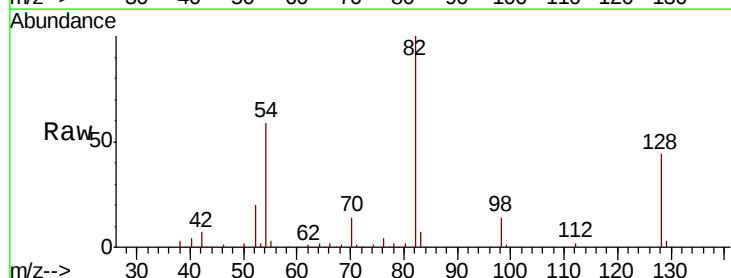
Ion Ratio Lower Upper

70 100

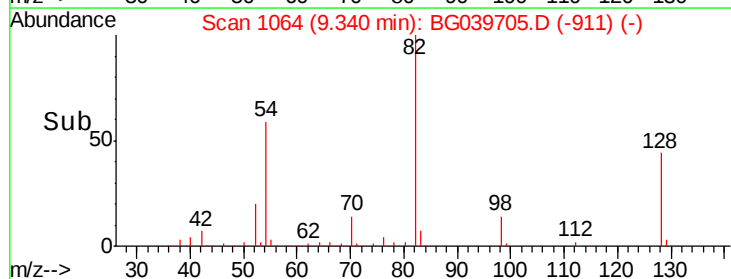
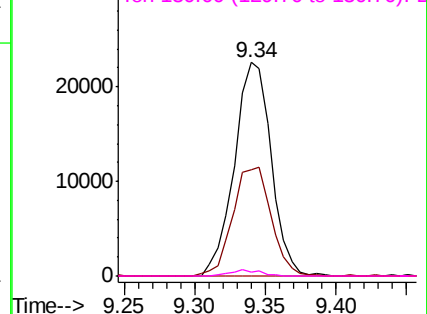
42 49.6 60.4 90.6#

101 0.0 7.5 11.3#

130 1.9 16.9 25.3#



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

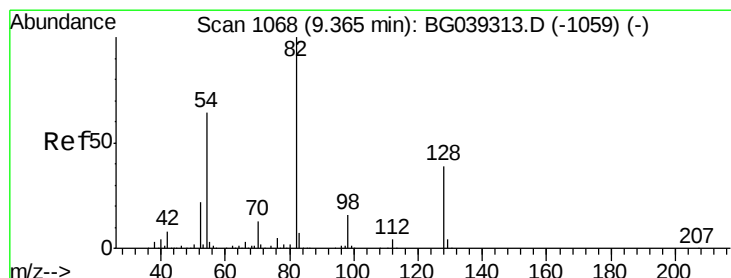
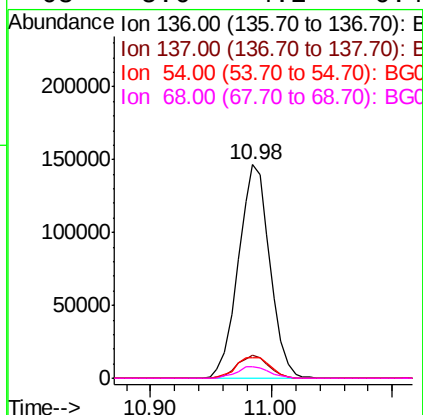
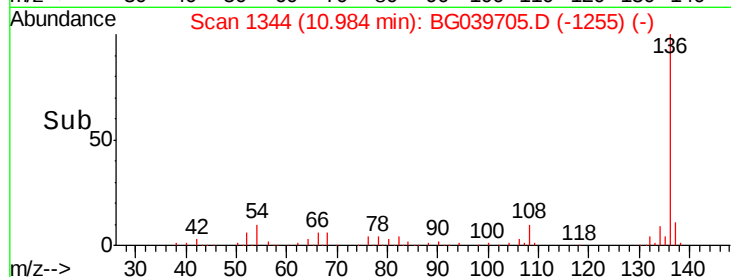
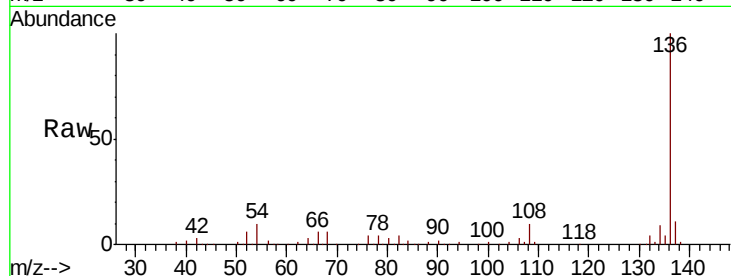




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BG039705.D
Acq: 2 Mar 2019 2:52

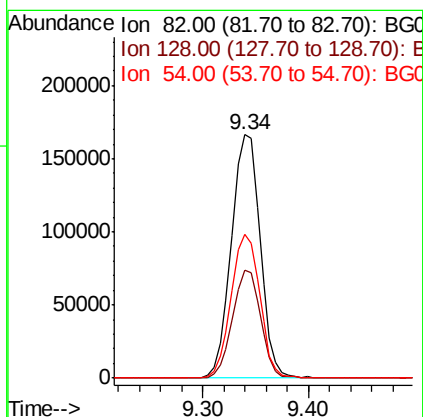
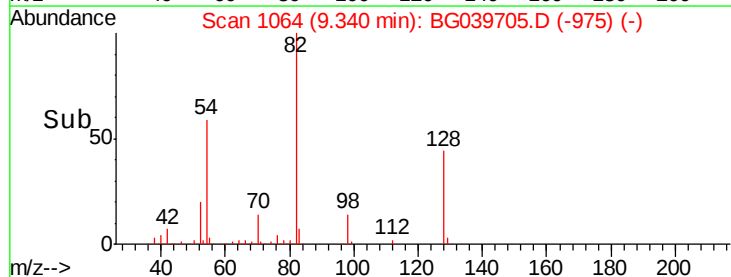
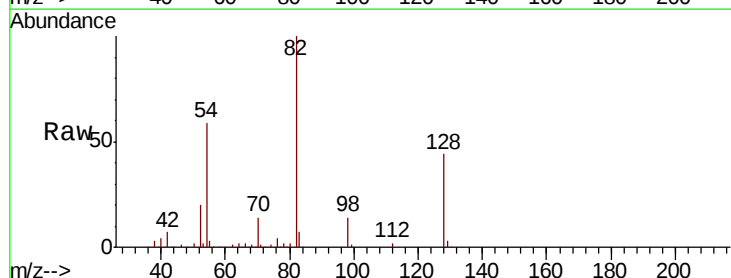
Instrument :
BNA_G
ClientSampleId :
Z-3-13-A

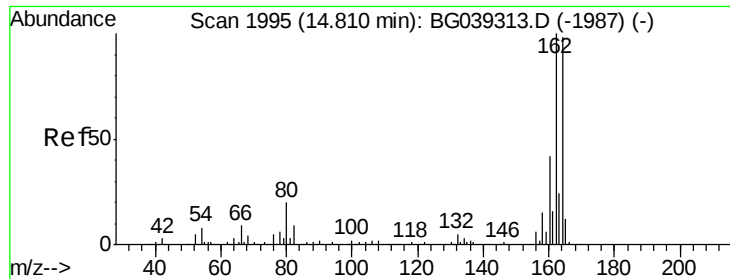
Tgt Ion:	136	Resp:	265022
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	9.9	9.4	14.2
68	5.6	4.2	6.4



#23
Nitrobenzene-d5
Concen: 73.933 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG039705.D
Acq: 2 Mar 2019 2:52

Tgt Ion:	82	Resp:	313645
Ion	Ratio	Lower	Upper
82	100		
128	44.2	31.3	46.9
54	59.1	50.9	76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG039705.D

Acq: 2 Mar 2019 2:52

Instrument :

BNA_G

ClientSampleId :

Z-3-13-A

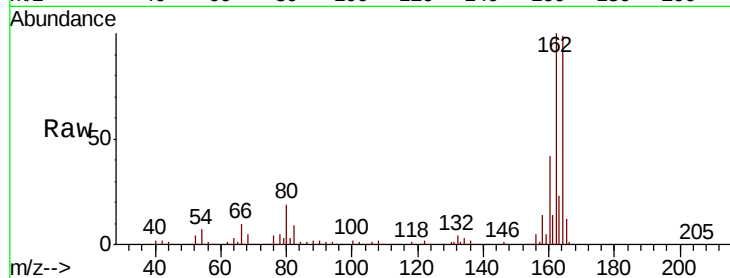
Tgt Ion:164 Resp: 177815

Ion Ratio Lower Upper

164 100

162 101.0 81.6 122.4

160 42.8 34.2 51.2

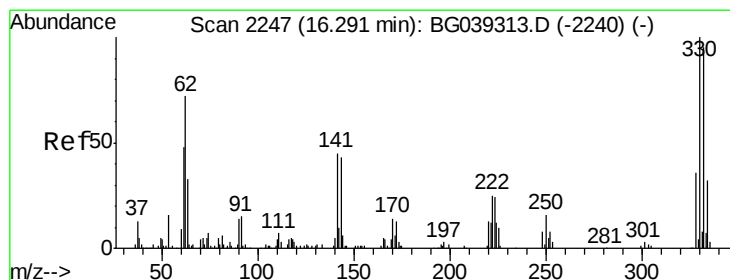
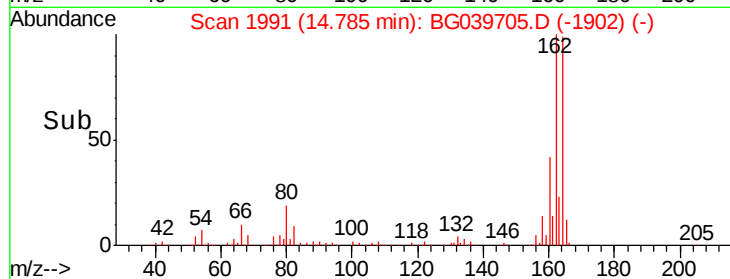
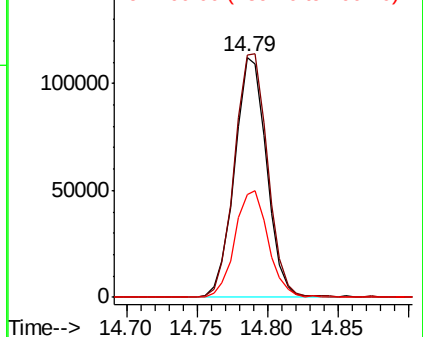


Abundance

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: 95.324 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BG039705.D

Acq: 2 Mar 2019 2:52

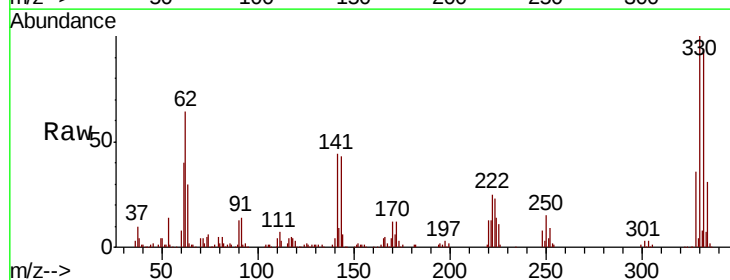
Tgt Ion:330 Resp: 182523

Ion Ratio Lower Upper

330 100

332 97.7 75.7 113.5

141 41.6 35.6 53.4

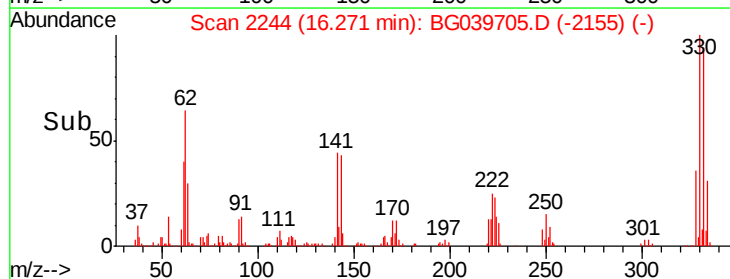
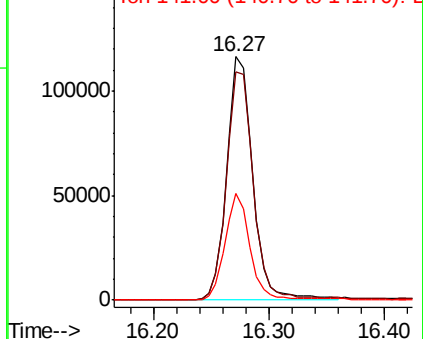


Abundance

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

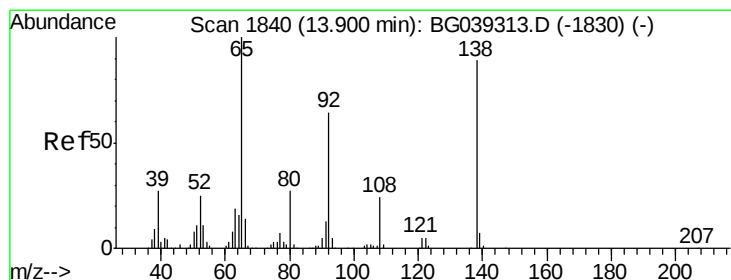
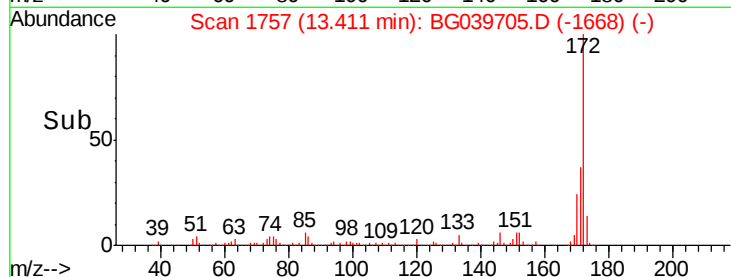
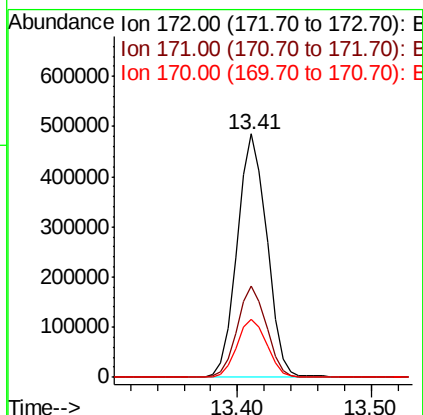
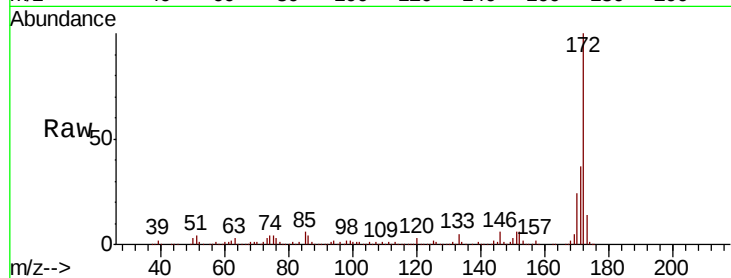




#45
2-Fluorobiphenyl
Concen: 60.388 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG039705.D
Acq: 2 Mar 2019 2:52

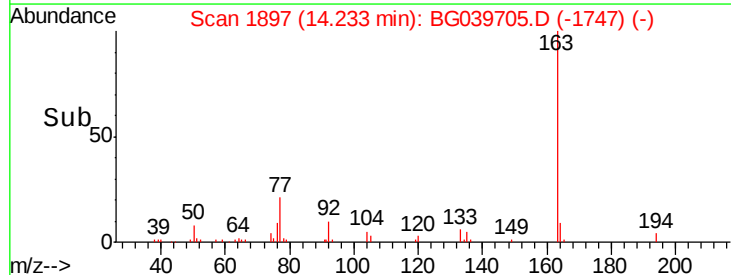
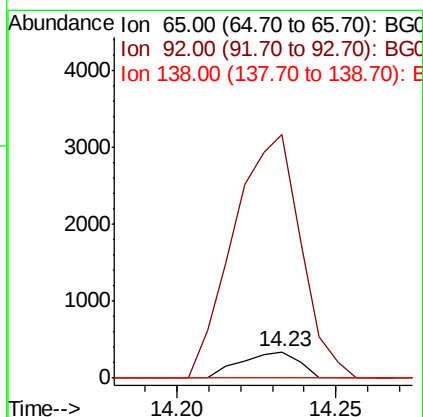
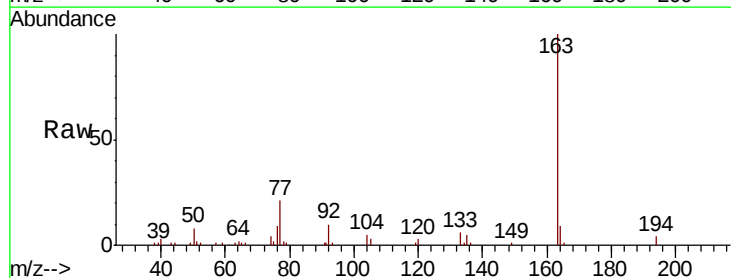
Instrument :
BNA_G
ClientSampleId :
Z-3-13-A

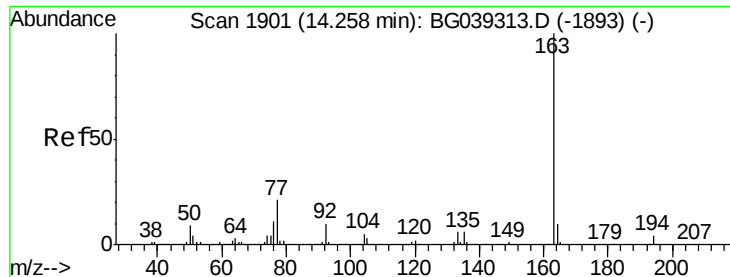
Tgt Ion: 172 Resp: 748526
Ion Ratio Lower Upper
172 100
171 37.5 30.8 46.2
170 23.6 20.2 30.4



#48
2-Nitroaniline
Concen: 8.411 ng
RT: 14.23 min Scan# 1897
Delta R.T. 0.35 min
Lab File: BG039705.D
Acq: 2 Mar 2019 2:52

Tgt Ion: 65 Resp: 442
Ion Ratio Lower Upper
65 100
92 924.2 51.4 77.2#
138 0.0 71.4 107.2#





#50

Dimethylphthalate

Concen: 3.676 ng

RT: 14.23 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BG039705.D

Acq: 2 Mar 2019 2:52

Instrument :

BNA_G

ClientSampleId :

Z-3-13-A

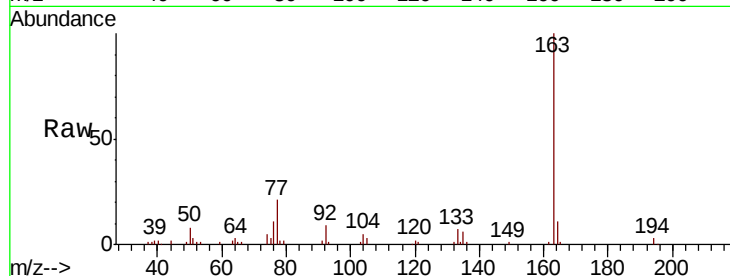
Tgt Ion:163 Resp: 52793

Ion Ratio Lower Upper

163 100

194 3.2 3.6 5.4#

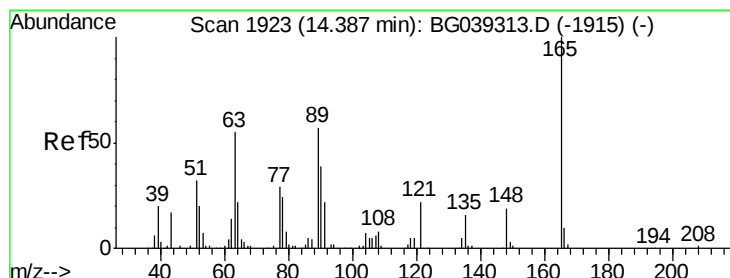
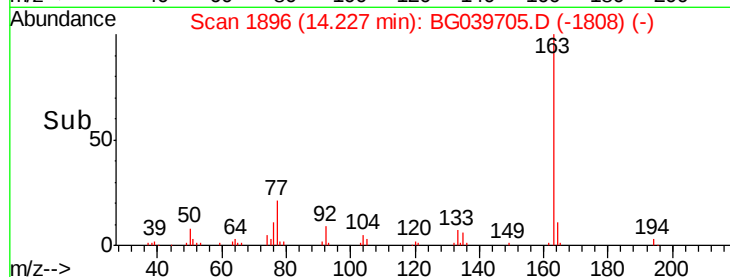
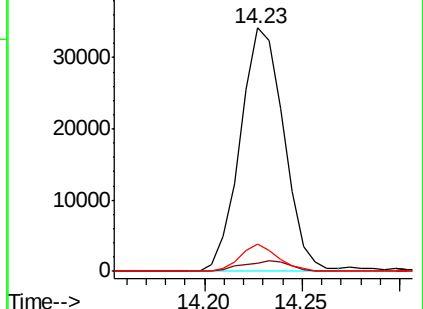
164 11.3 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 13.803 ng

RT: 14.79 min Scan# 1991

Delta R.T. 0.42 min

Lab File: BG039705.D

Acq: 2 Mar 2019 2:52

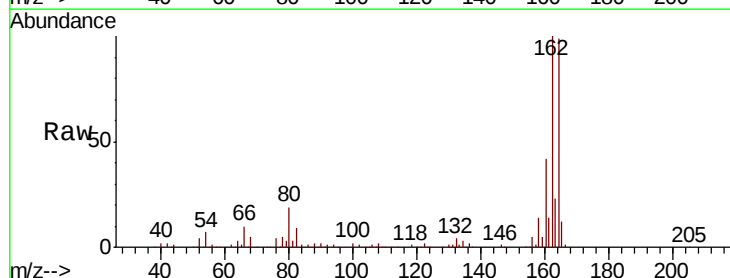
Tgt Ion:165 Resp: 22520

Ion Ratio Lower Upper

165 100

63 1.7 47.0 70.6#

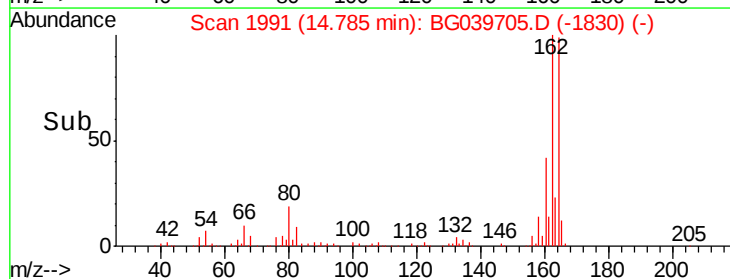
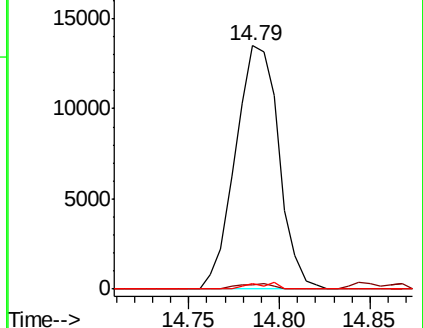
89 2.1 45.8 68.8#

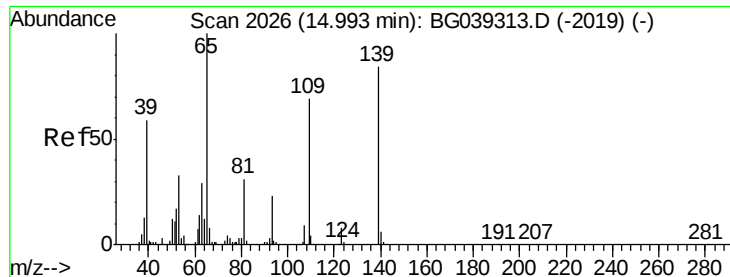


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#56

4-Nitrophenol

Concen: 6.185 ng

RT: 15.18 min Scan# 2059

Delta R.T. 0.19 min

Lab File: BG039705.D

Acq: 2 Mar 2019 2:52

Instrument :

BNA_G

ClientSampleId :

Z-3-13-A

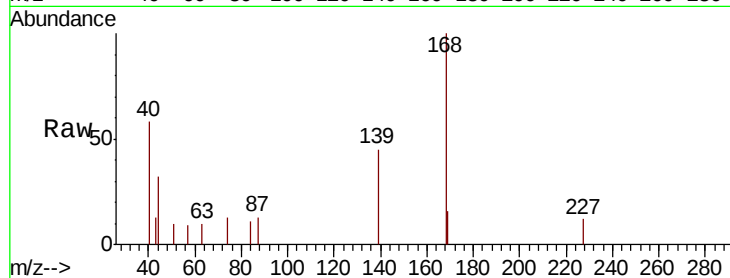
Tgt Ion:139 Resp: 1096

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

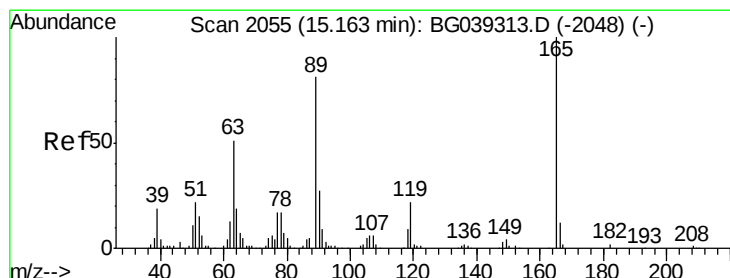
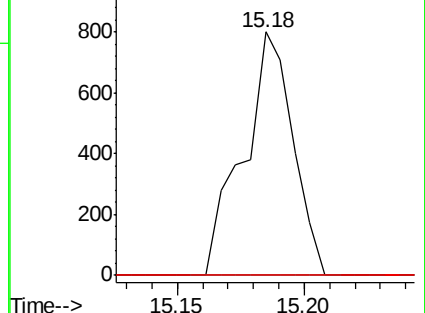
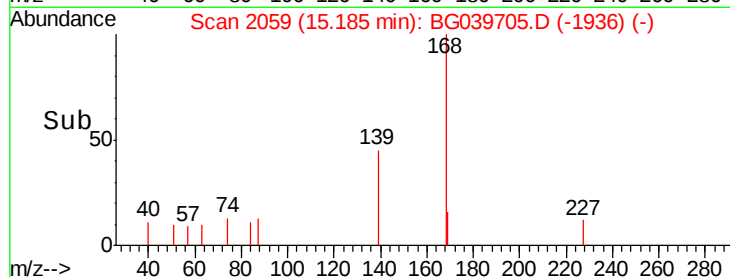
65 0.0 99.1 139.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57

2,4-Dinitrotoluene

Concen: 13.308 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG039705.D

Acq: 2 Mar 2019 2:52

Tgt Ion:165 Resp: 22520

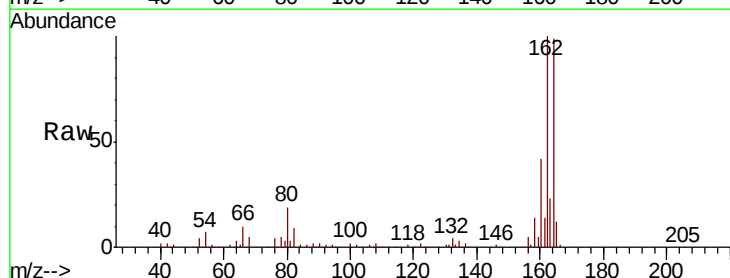
Ion Ratio Lower Upper

165 100

63 1.7 41.0 61.6#

89 2.1 64.6 96.8#

182 0.0 2.0 3.0#

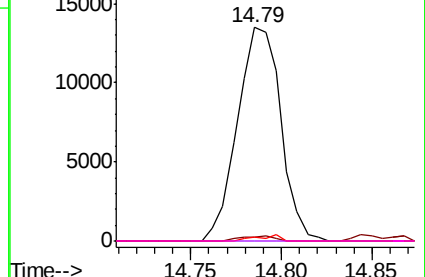
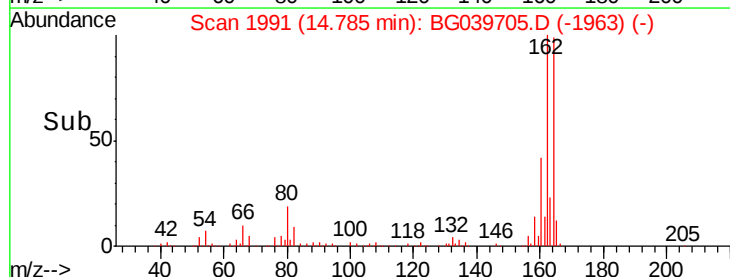


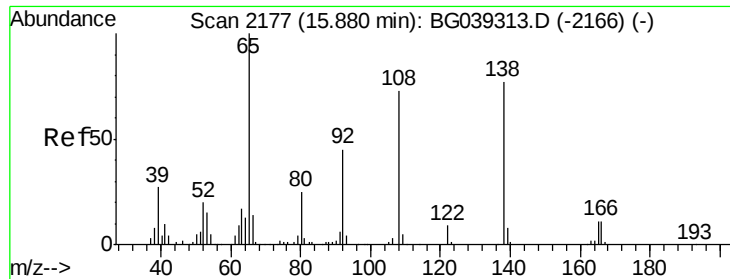
Abundance Ion 165.00 (164.70 to 165.70): E

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

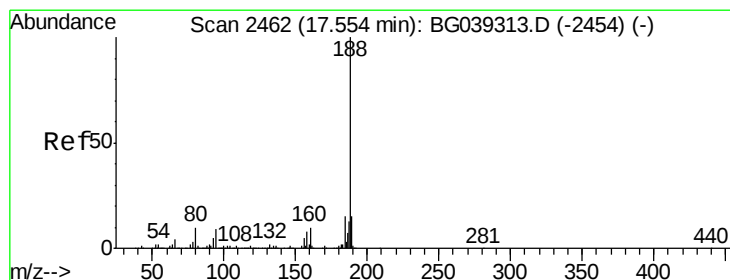
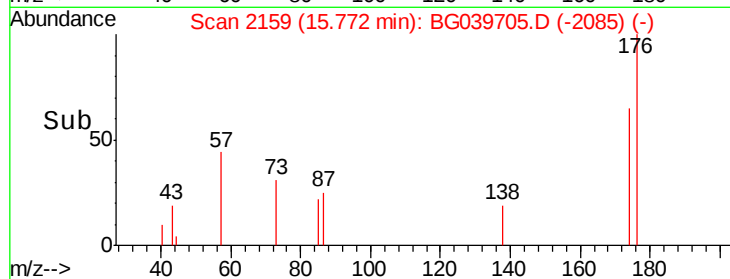
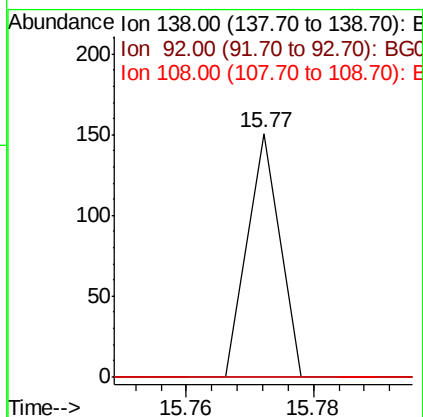
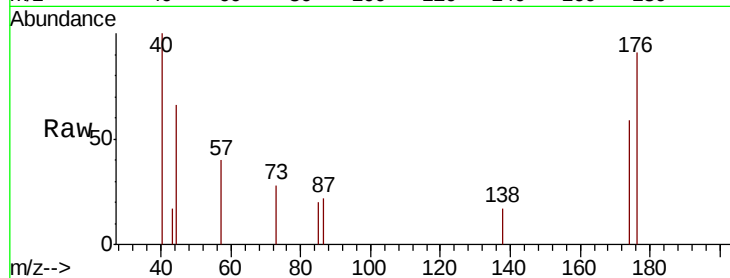




#62
 4-Nitroaniline
 Concen: 4.219 ng
 RT: 15.77 min Scan# 2159
 Delta R.T. -0.09 min
 Lab File: BG039705.D
 Acq: 2 Mar 2019 2:52

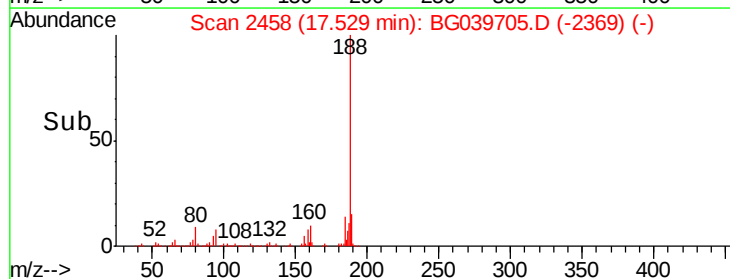
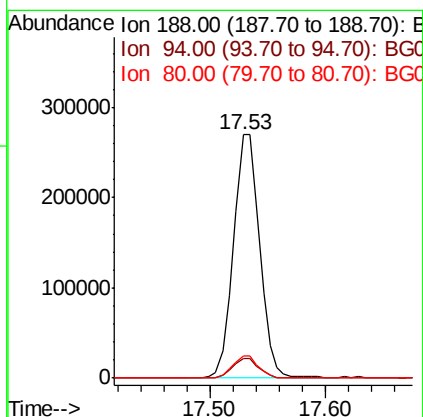
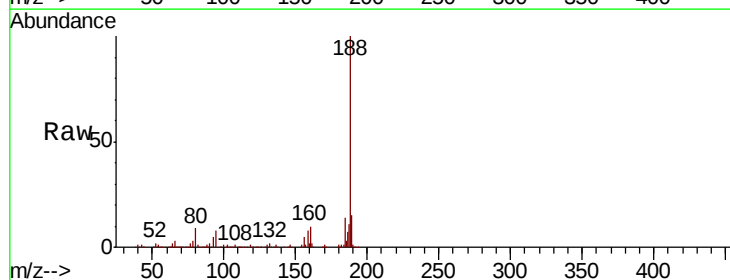
Instrument :
 BNA_G
 ClientSampleId :
 Z-3-13-A

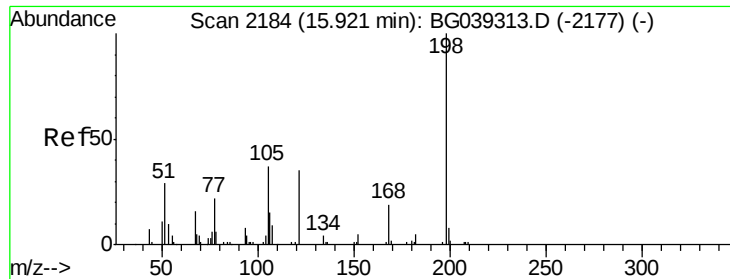
Tgt Ion:138 Resp: 53
 Ion Ratio Lower Upper
 138 100
 92 0.0 38.7 78.7#
 108 0.0 74.6 114.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2458
 Delta R.T. -0.01 min
 Lab File: BG039705.D
 Acq: 2 Mar 2019 2:52

Tgt Ion:188 Resp: 423820
 Ion Ratio Lower Upper
 188 100
 94 7.9 6.9 10.3
 80 9.1 8.1 12.1

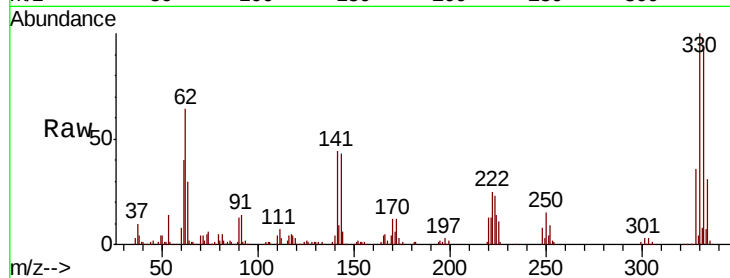




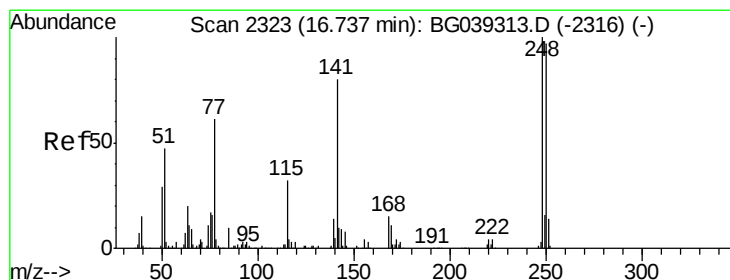
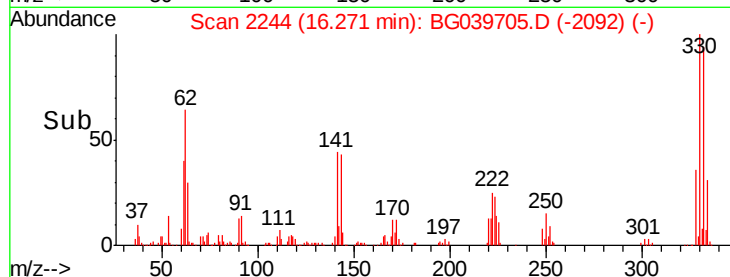
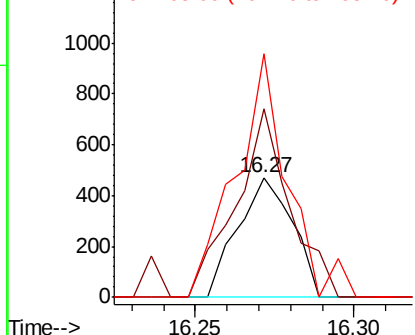
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.598 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.36 min
 Lab File: BG039705.D
 Acq: 2 Mar 2019 2:52

Instrument :
 BNA_G
 ClientSampleId :
 Z-3-13-A

Tgt Ion:198 Resp: 561
 Ion Ratio Lower Upper
 198 100
 51 157.2 27.4 67.4#
 105 203.0 19.7 59.7#

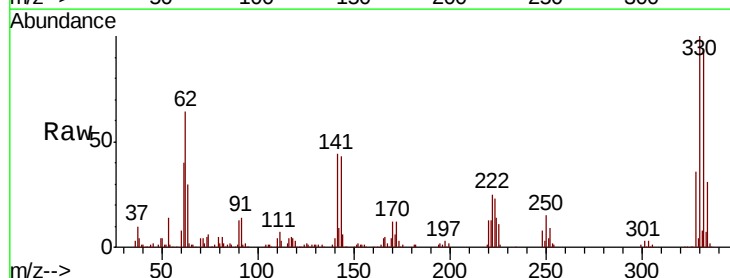


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

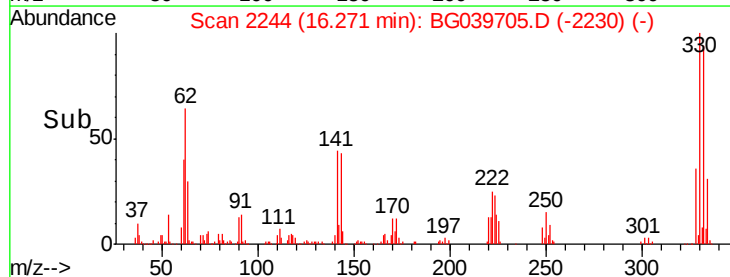
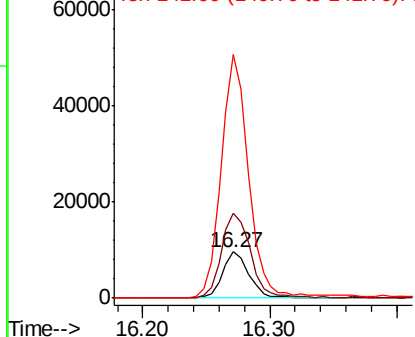


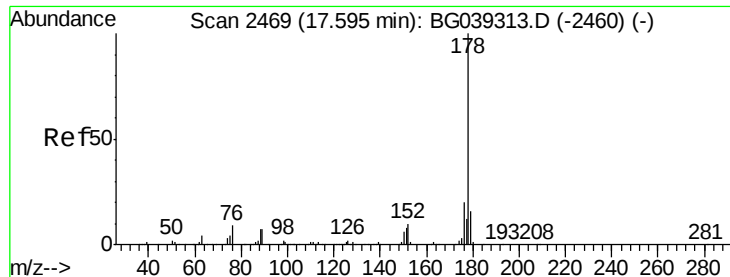
#67
 4-Bromophenyl-phenylether
 Concen: 3.016 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.45 min
 Lab File: BG039705.D
 Acq: 2 Mar 2019 2:52

Tgt Ion:248 Resp: 14180
 Ion Ratio Lower Upper
 248 100
 250 184.6 77.6 116.4#
 141 530.4 63.9 95.9#



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

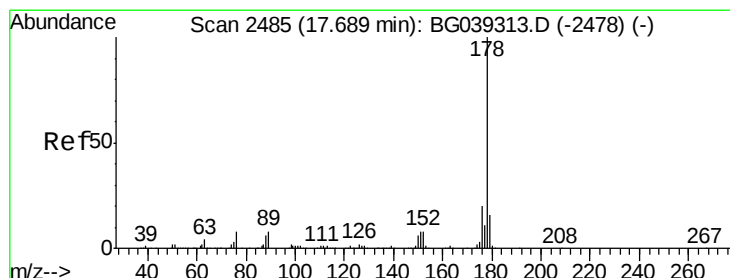
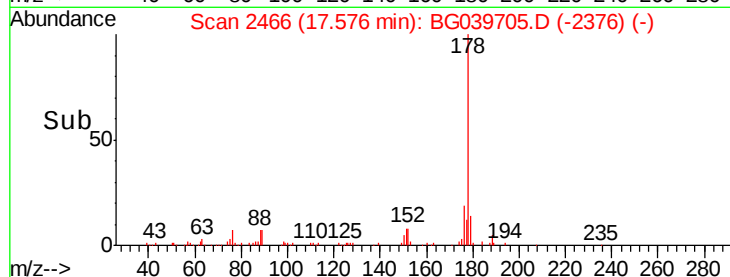
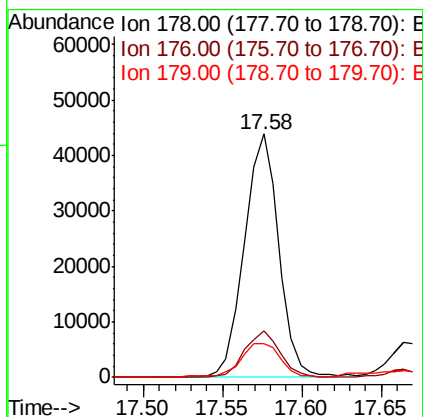
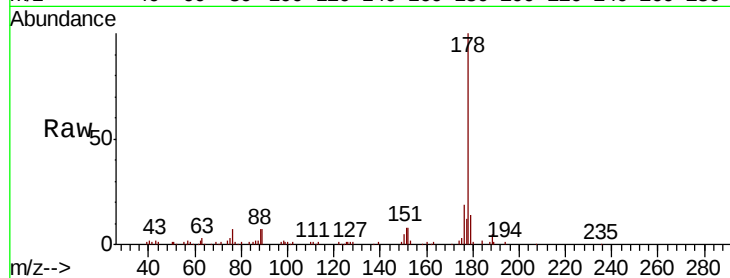




#71
Phenanthrene
Concen: 3.018 ng
RT: 17.58 min Scan# 2466
Delta R.T. 0.00 min
Lab File: BG039705.D
Acq: 2 Mar 2019 2:52

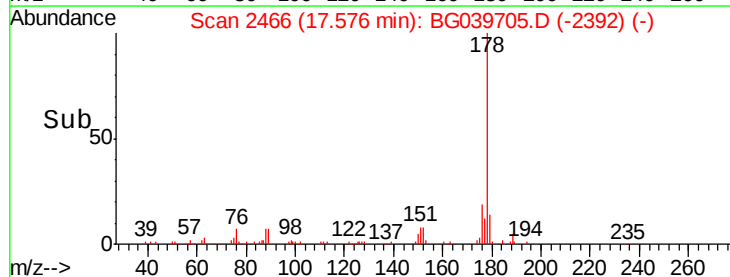
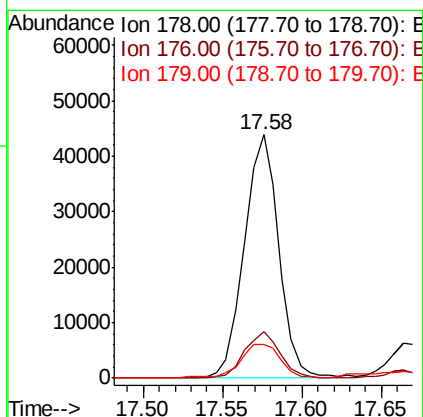
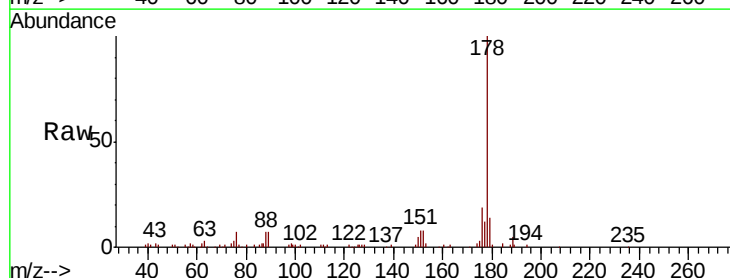
Instrument :
BNA_G
ClientSampleId :
Z-3-13-A

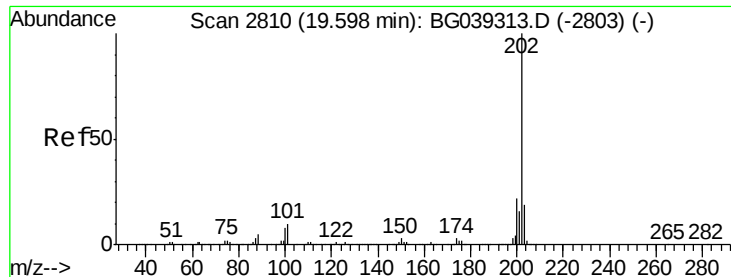
Tgt Ion:178 Resp: 66193
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 13.8 12.6 19.0



#72
Anthracene
Concen: 3.064 ng
RT: 17.58 min Scan# 2466
Delta R.T. -0.09 min
Lab File: BG039705.D
Acq: 2 Mar 2019 2:52

Tgt Ion:178 Resp: 66193
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 13.8 12.5 18.7





#75

Fluoranthene

Concen: 4.076 ng

RT: 19.57 min Scan# 2806

Delta R.T. -0.01 min

Lab File: BG039705.D

Acq: 2 Mar 2019 2:52

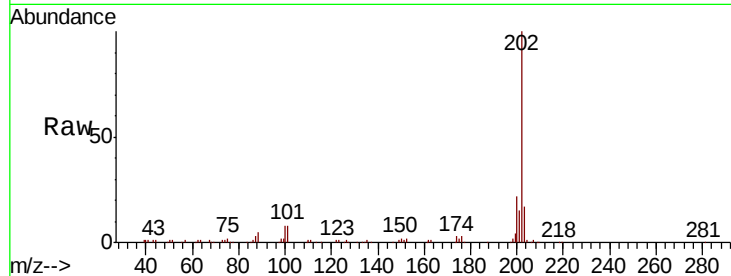
Instrument :

BNA_G

ClientSampleId :

Z-3-13-A

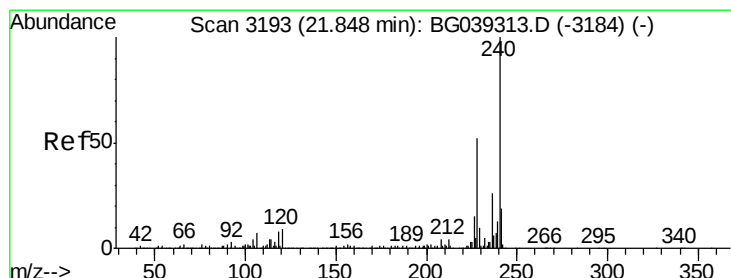
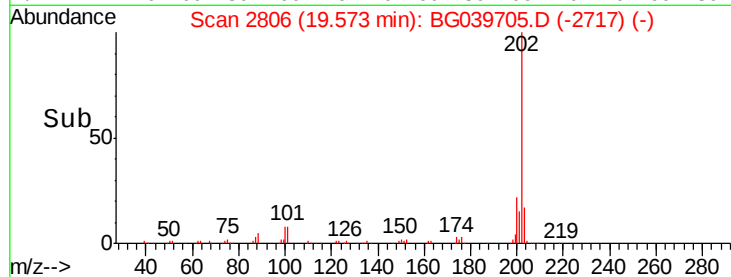
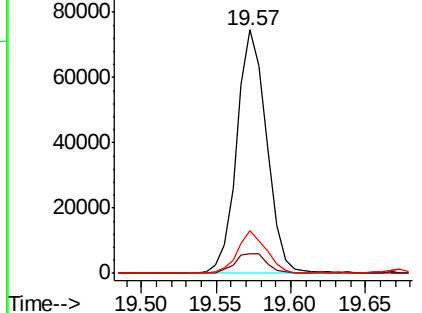
Tgt Ion:	202	Resp:	103769
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	30.0
203	17.3	0.0	38.9



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

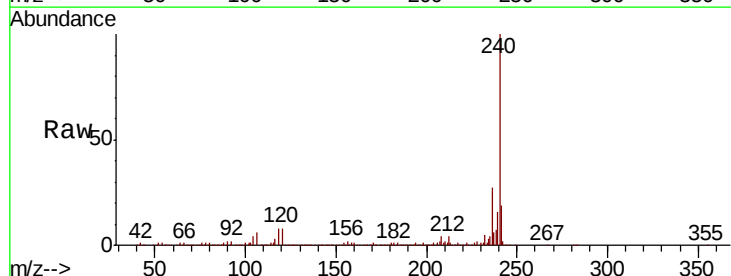
RT: 21.82 min Scan# 3189

Delta R.T. -0.01 min

Lab File: BG039705.D

Acq: 2 Mar 2019 2:52

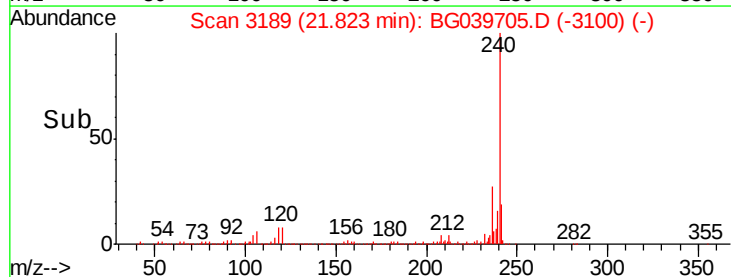
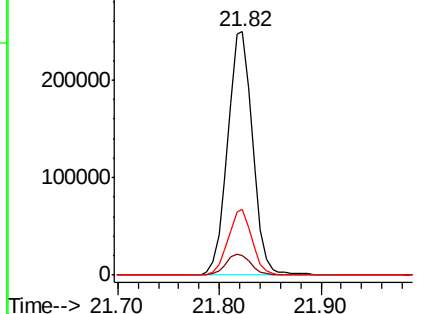
Tgt Ion:	240	Resp:	427385
Ion Ratio	Lower	Upper	
240	100		
120	8.3	7.0	10.6
236	27.0	21.0	31.4

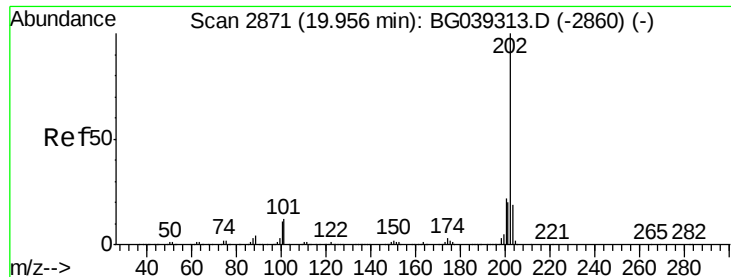


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 3.487 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BG039705.D

Acq: 2 Mar 2019 2:52

Instrument :

BNA_G

ClientSampleId :

Z-3-13-A

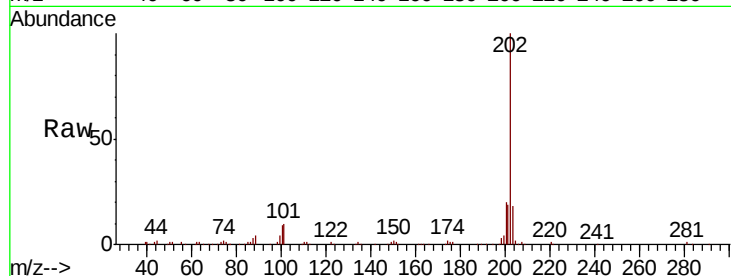
Tgt Ion:202 Resp: 92772

Ion Ratio Lower Upper

202 100

200 19.9 17.8 26.8

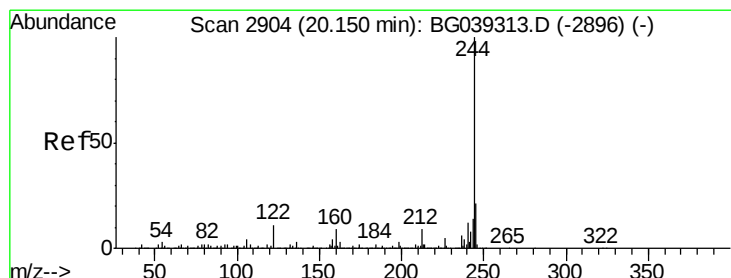
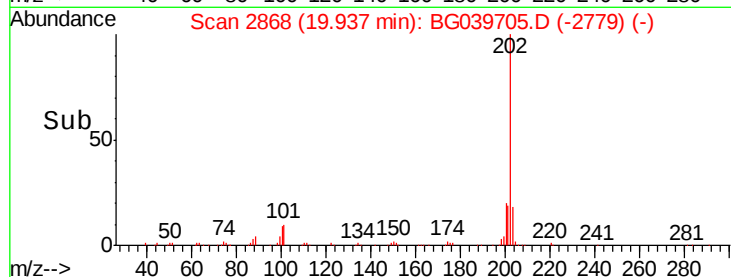
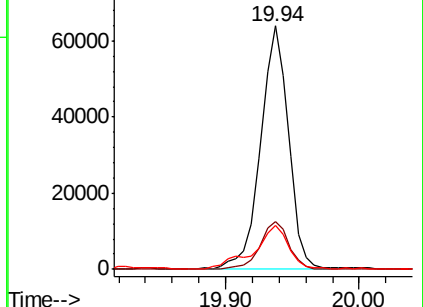
203 17.8 15.3 22.9



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: 55.738 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.00 min

Lab File: BG039705.D

Acq: 2 Mar 2019 2:52

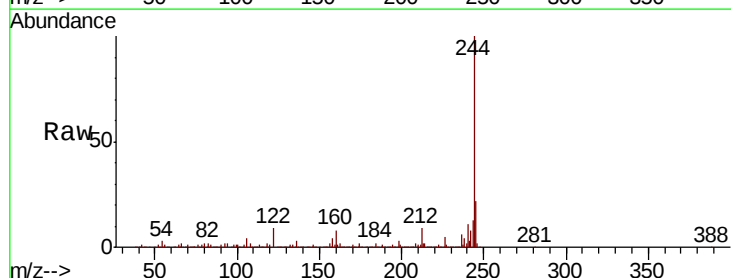
Tgt Ion:244 Resp: 1125415

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

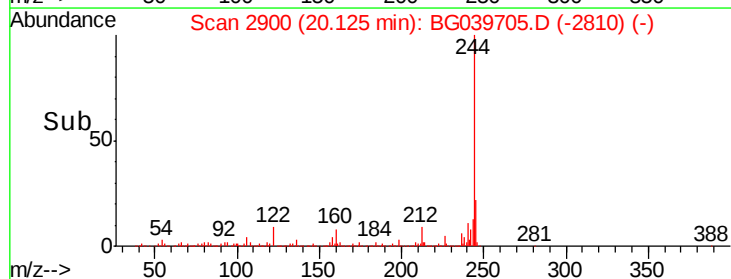
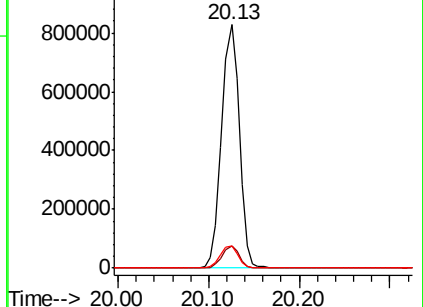
122 9.4 8.4 12.6

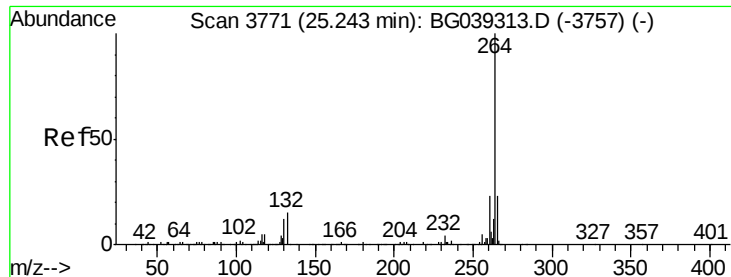


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



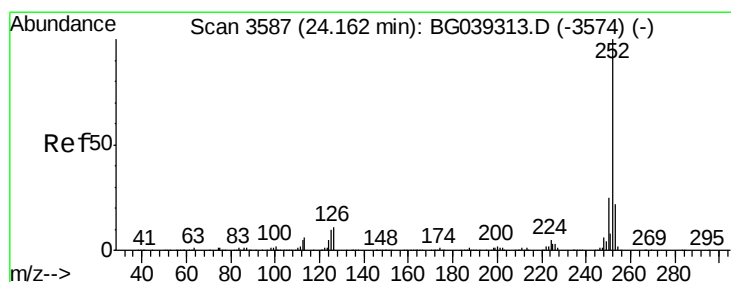
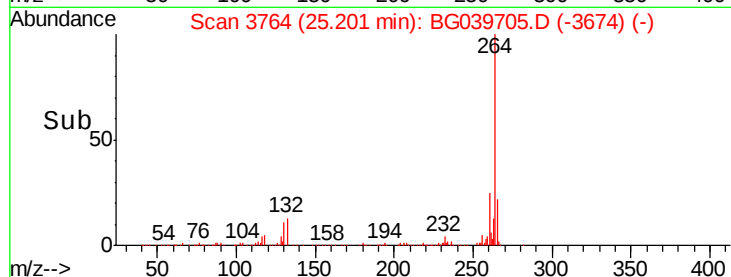
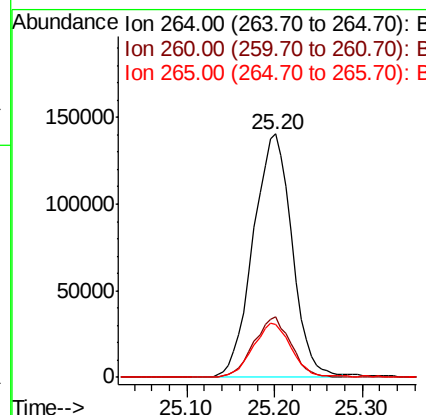
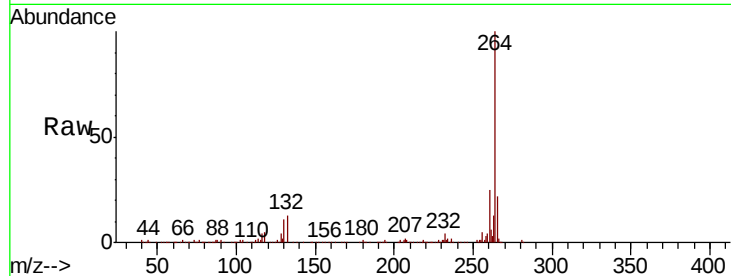


#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. 0.00 min
Lab File: BG039705.D
Acq: 2 Mar 2019 2:52

Instrument :
BNA_G
ClientSampleId :
Z-3-13-A

Tgt Ion: 264 Resp: 426891

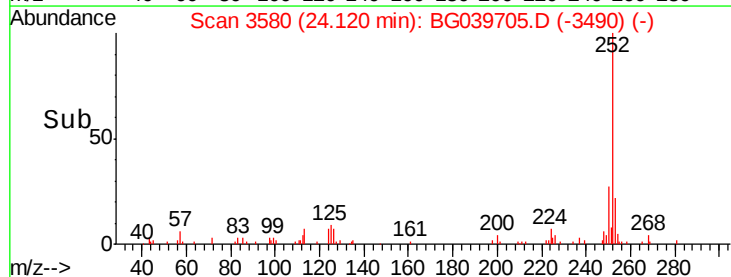
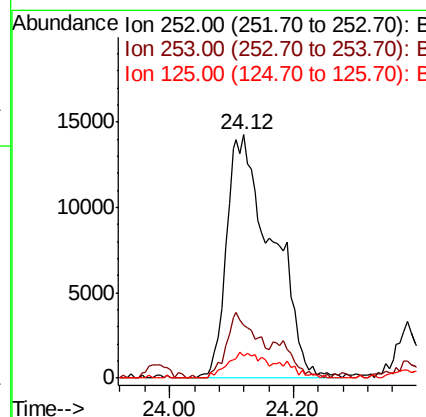
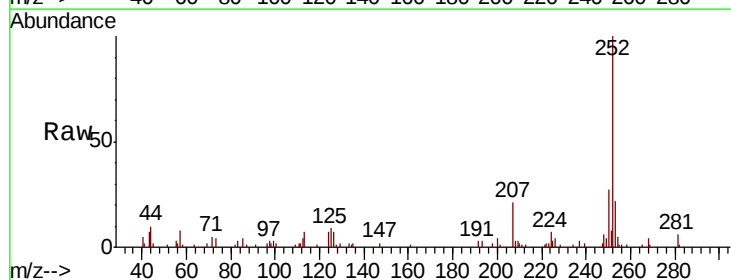
Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.2	27.4
265	21.7	18.5	27.7

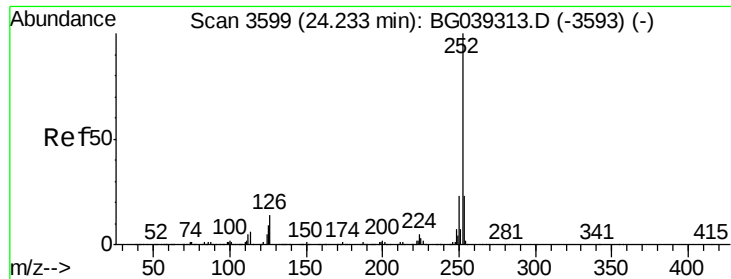


#88
Benzo(b)fluoranthene
Concen: 3.126 ng
RT: 24.12 min Scan# 3580
Delta R.T. 0.00 min
Lab File: BG039705.D
Acq: 2 Mar 2019 2:52

Tgt Ion: 252 Resp: 72767

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	9.3	7.8	11.6





#89

Benzo(k)fluoranthene

Concen: 3.113 ng

RT: 24.12 min Scan# 3580

Delta R.T. -0.07 min

Lab File: BG039705.D

Acq: 2 Mar 2019 2:52

Instrument :

BNA_G

ClientSampleId :

Z-3-13-A

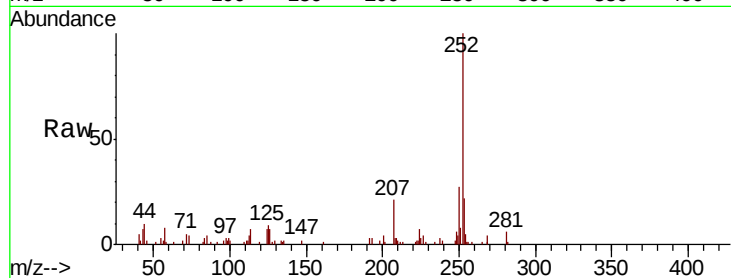
Tgt Ion: 252 Resp: 72767

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

125 9.3 7.4 11.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

