

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
 Data File : BG038257.D
 Acq On : 30 Nov 2018 14:44
 Operator : JU/SJ
 Sample : J6085-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NS-OILY-STONE

Quant Time: Nov 30 16:15:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

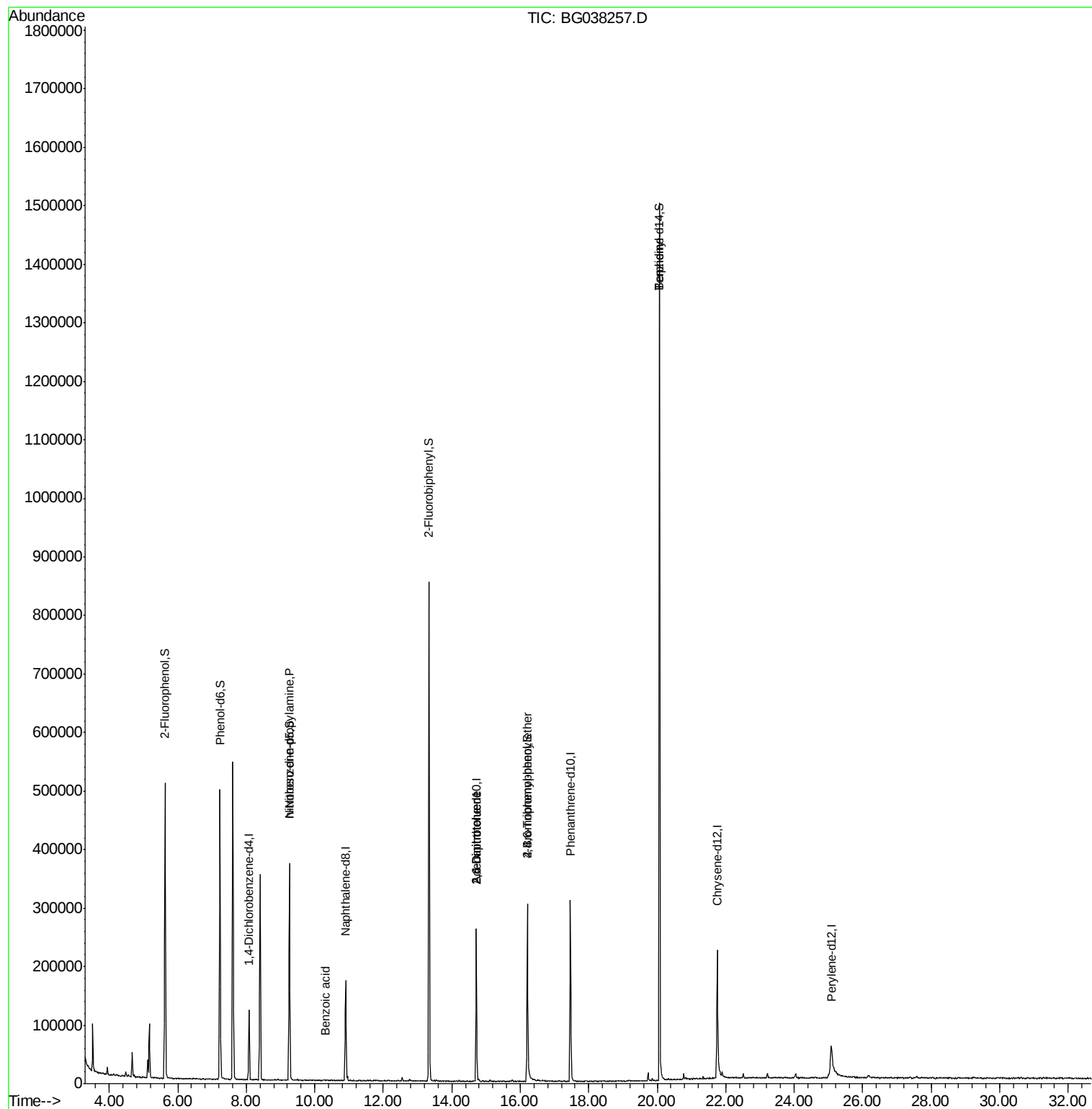
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	34540	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	149107	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	91182	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	202936	20.00	ng	0.00
76) Chrysene-d12	21.75	240	183939	20.00	ng	0.00
87) Perylene-d12	25.08	264	122014	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	227744	113.84	ng	0.00
7) Phenol-d6	7.23	99	289041	101.22	ng	0.00
23) Nitrobenzene-d5	9.26	82	228412	82.00	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	69802	67.12	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	459383	73.40	ng	-0.01
79) Terphenyl-d14	20.06	244	792414	101.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	29710	14.379	ng	# 74
32) Benzoic acid	10.32	122	61	12.366	ng	# 1
51) 2,6-Dinitrotoluene	14.72	165	11232	6.865	ng	# 23
57) 2,4-Dinitrotoluene	14.72	165	11232	5.046	ng	# 23
67) 4-Bromophenyl-phenylether	16.21	248	4684	2.103	ng	# 1
77) Benzidine	20.06	184	13390	2.075	ng	# 94

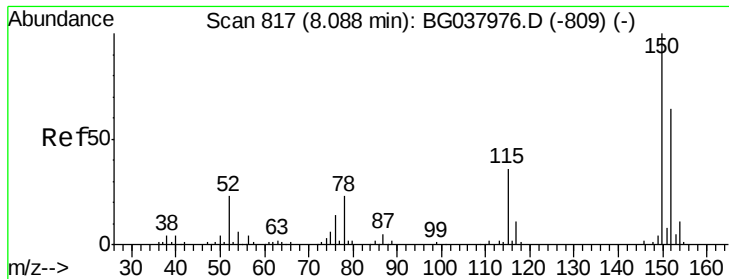
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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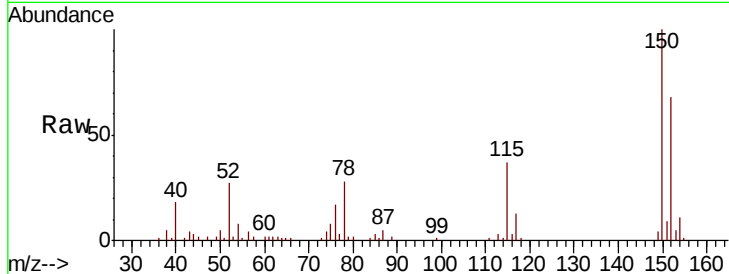


#1

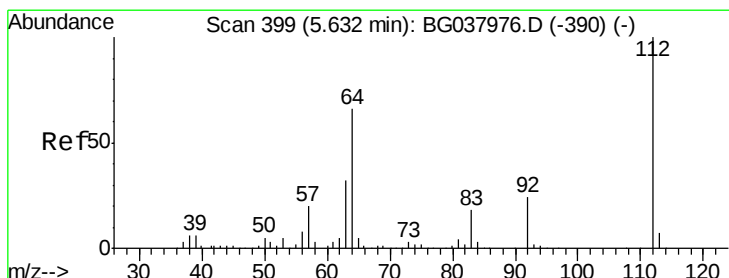
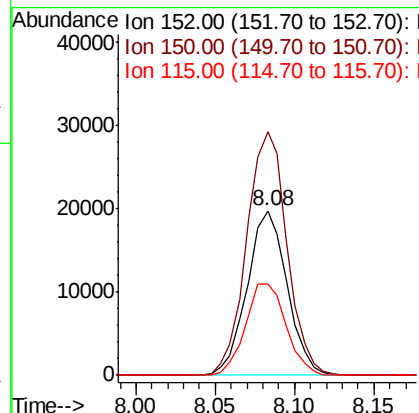
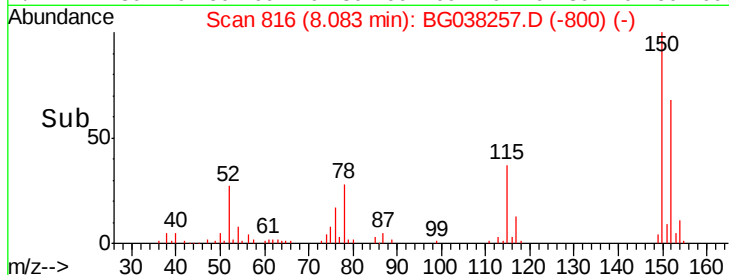
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.01 min
Lab File: BG038257.D
Acq: 30 Nov 2018 14:44

Instrument :
BNA_G
ClientSampleId :
NS-OILY-STONE

Tot Ion:152 Resp: 34540
Ion Ratio Lower Upper
152 100
150 147.9 126.0 189.0
115 55.3 45.5 68.3



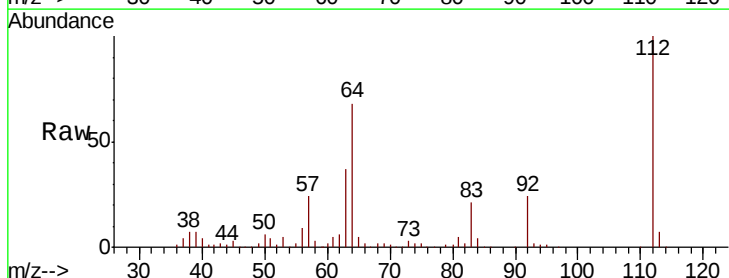
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



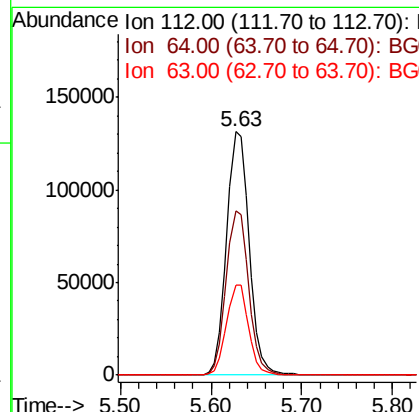
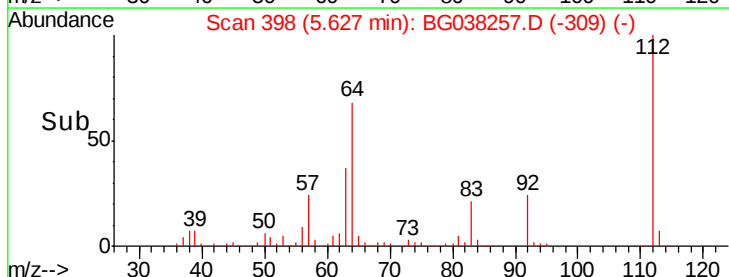
#5

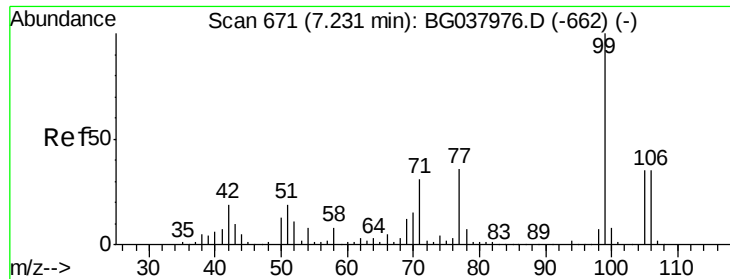
2-Fluorophenol
Concen: 113.843 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.01 min
Lab File: BG038257.D
Acq: 30 Nov 2018 14:44

Tgt Ion:112 Resp: 227744
Ion Ratio Lower Upper
112 100
64 67.6 53.1 79.7
63 37.1 27.3 40.9



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: 101.219 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038257.D

Acq: 30 Nov 2018 14:44

Instrument :

BNA_G

ClientSampleId :

NS-OILY-STONE

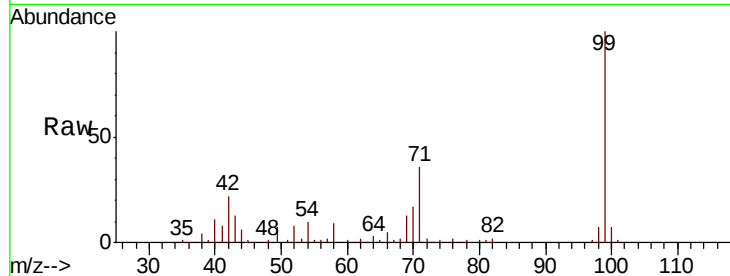
Tot Ion: 99 Resp: 289041

Ion Ratio Lower Upper

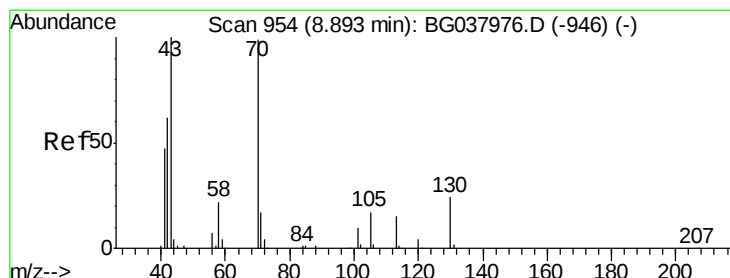
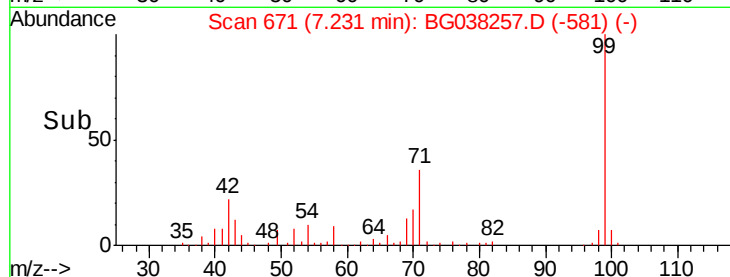
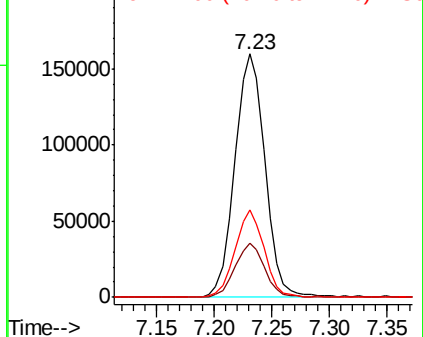
99 100

42 22.1 15.0 22.4

71 35.7 25.5 38.3



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: 14.379 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.36 min

Lab File: BG038257.D

Acq: 30 Nov 2018 14:44

Tgt Ion: 70 Resp: 29710

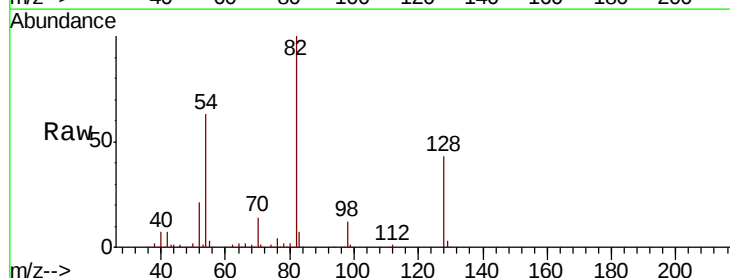
Ion Ratio Lower Upper

70 100

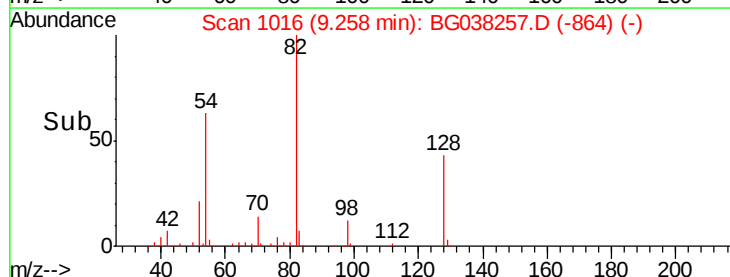
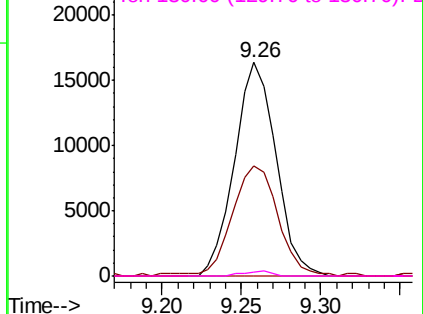
42 51.5 53.9 80.9#

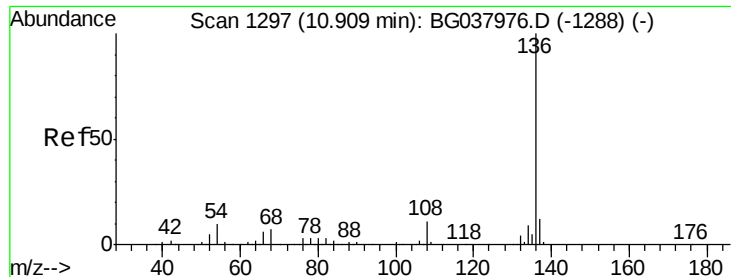
101 0.0 8.2 12.2#

130 2.0 18.2 27.4#



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

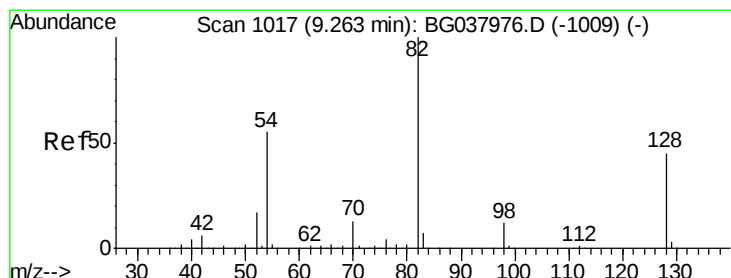
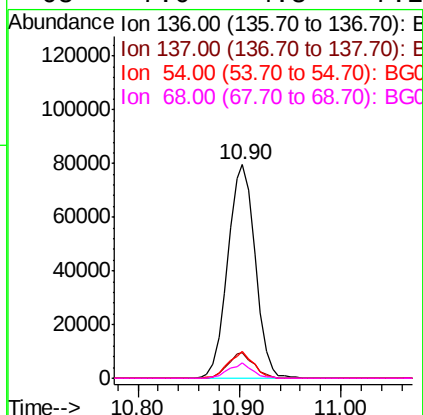
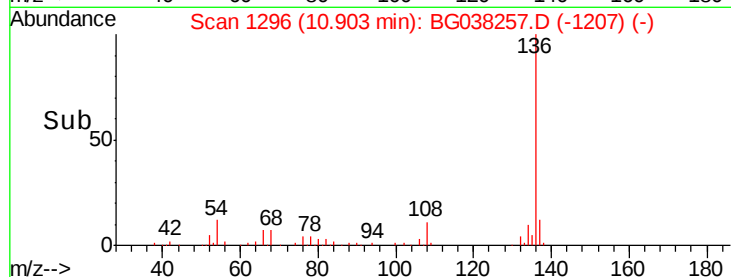
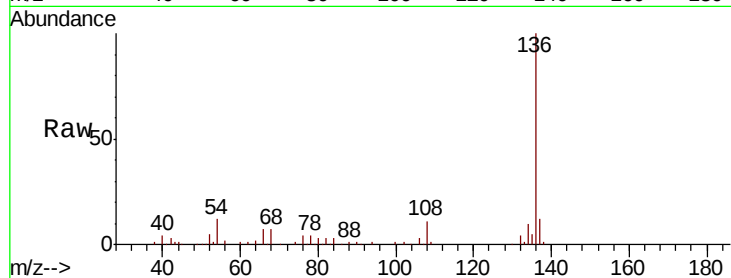




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BG038257.D
Acq: 30 Nov 2018 14:44

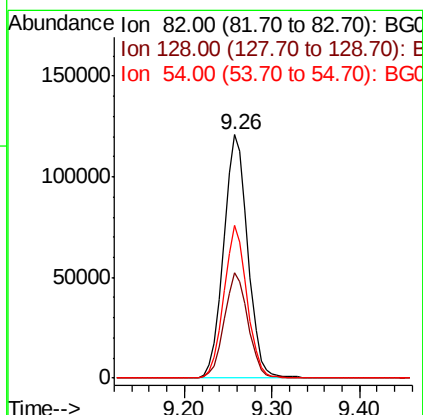
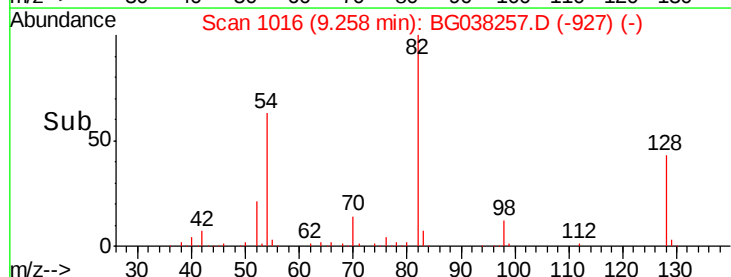
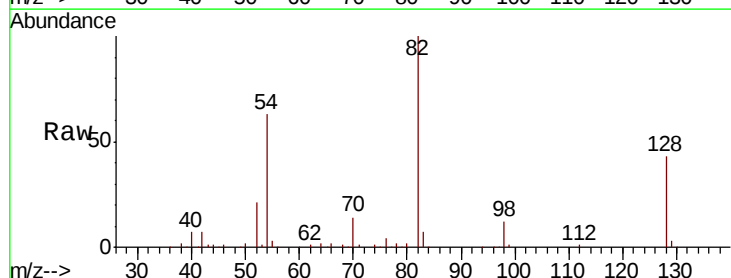
Instrument :
BNA_G
ClientSampleId :
NS-OILY-STONE

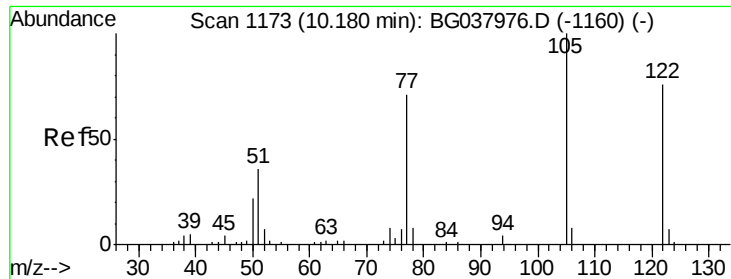
Tot Ion:136	Resp:	149107
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.6 14.4
54	12.3	7.9 11.9#
68	7.0	4.8 7.2



#23
Nitrobenzene-d5
Concen: 82.001 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BG038257.D
Acq: 30 Nov 2018 14:44

Tgt Ion: 82	Resp:	228412
Ion Ratio	Lower	Upper
82	100	
128	43.5	34.6 51.8
54	62.7	45.3 67.9





#32

Benzoic acid

Concen: 12.366 ng

RT: 10.32 min Scan# 1196

Delta R.T. 0.14 min

Lab File: BG038257.D

Acq: 30 Nov 2018 14:44

Instrument :

BNA_G

ClientSampleId :

NS-OILY-STONE

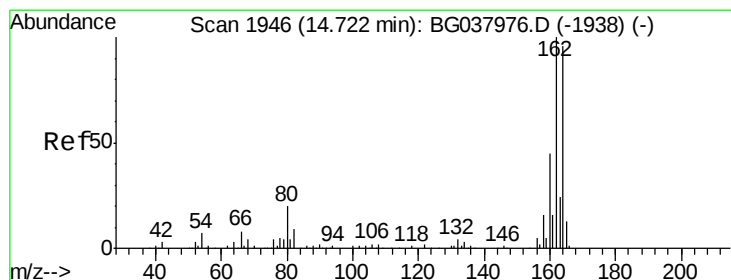
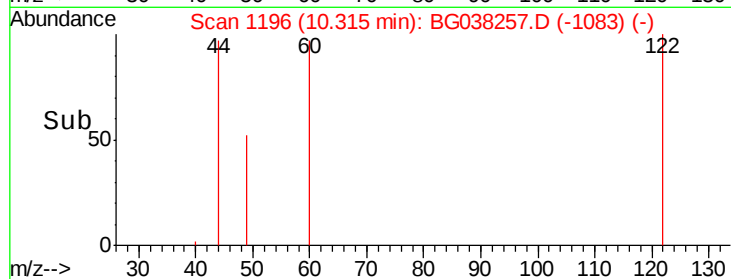
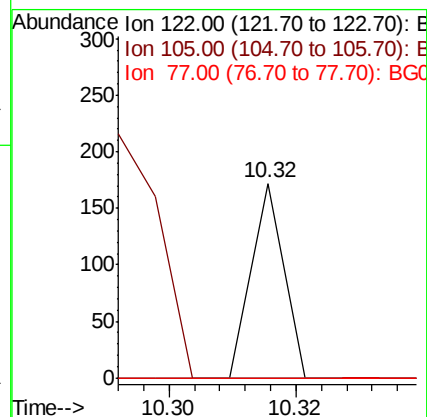
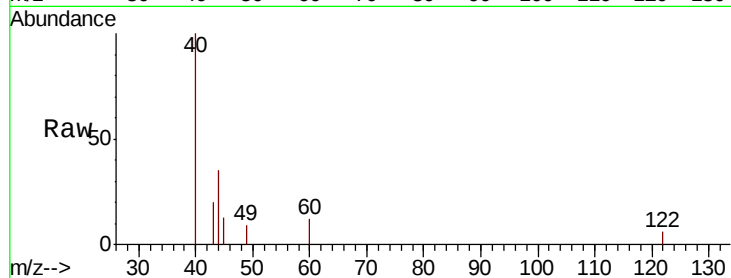
Tot Ion:122 Resp: 61

Ion Ratio Lower Upper

122 100

105 0.0 106.7 146.7#

77 0.0 72.2 112.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG038257.D

Acq: 30 Nov 2018 14:44

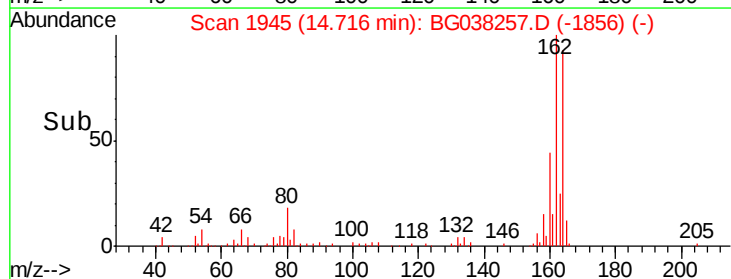
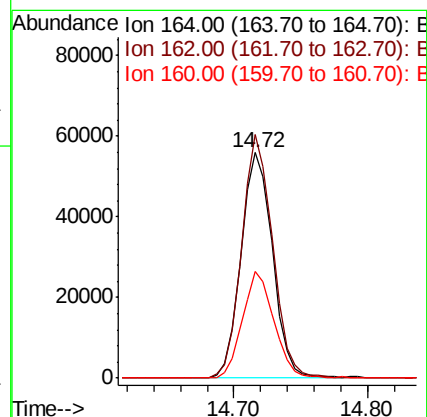
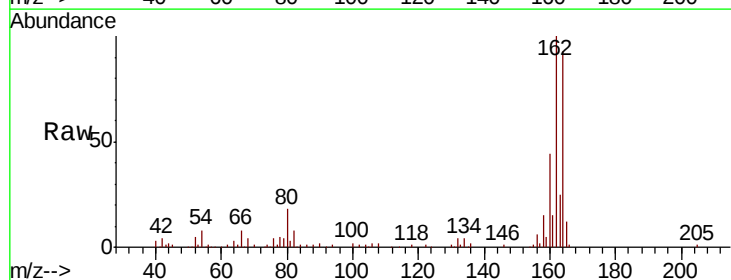
Tgt Ion:164 Resp: 91182

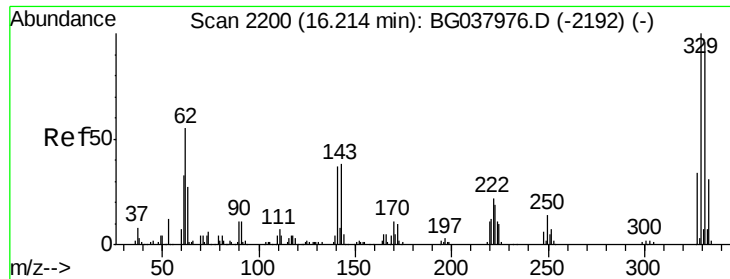
Ion Ratio Lower Upper

164 100

162 107.9 81.3 121.9

160 47.3 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 67.123 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG038257.D

Acq: 30 Nov 2018 14:44

Instrument :

BNA_G

ClientSampleId :

NS-OILY-STONE

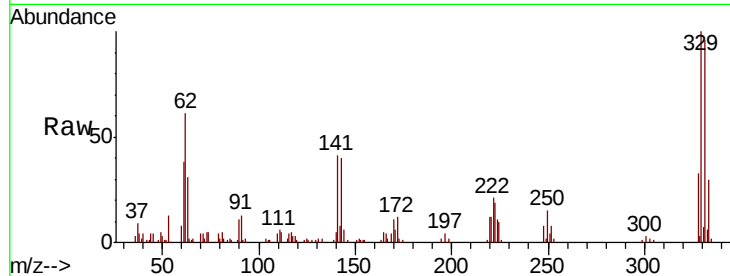
Tot Ion:330 Resp: 69802

Ion Ratio Lower Upper

330 100

332 95.0 78.4 117.6

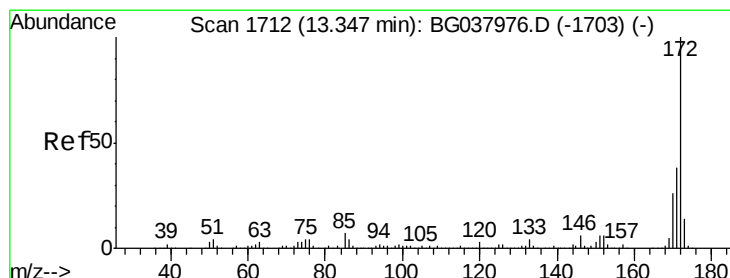
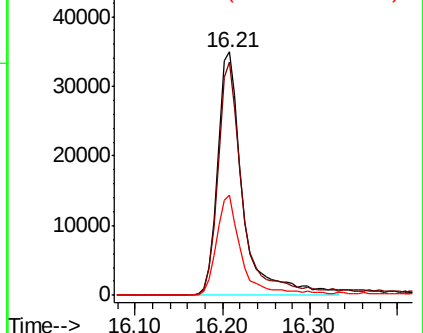
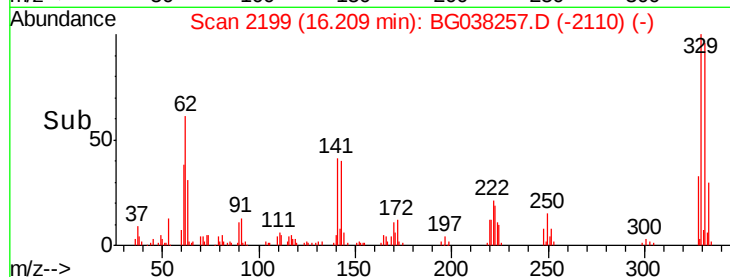
141 41.2 32.2 48.2



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: 73.397 ng

RT: 13.34 min Scan# 1710

Delta R.T. -0.01 min

Lab File: BG038257.D

Acq: 30 Nov 2018 14:44

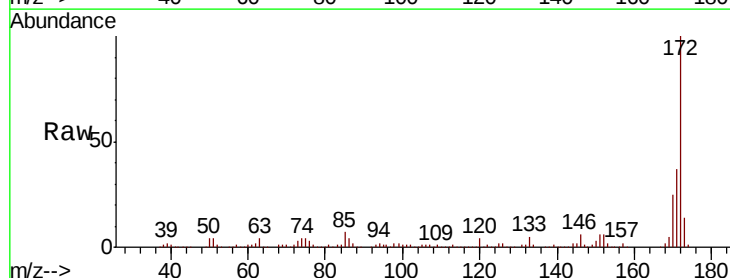
Tgt Ion:172 Resp: 459383

Ion Ratio Lower Upper

172 100

171 36.8 31.0 46.4

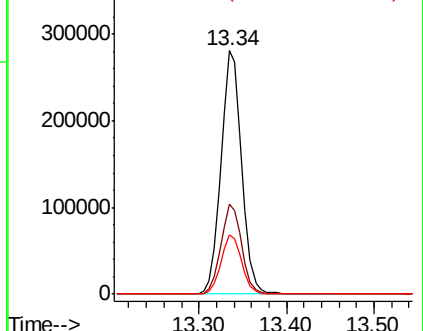
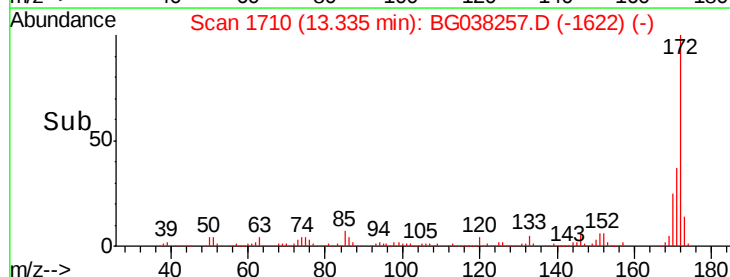
170 24.5 20.2 30.2

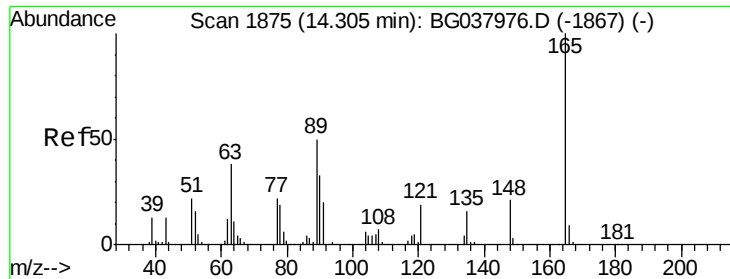


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

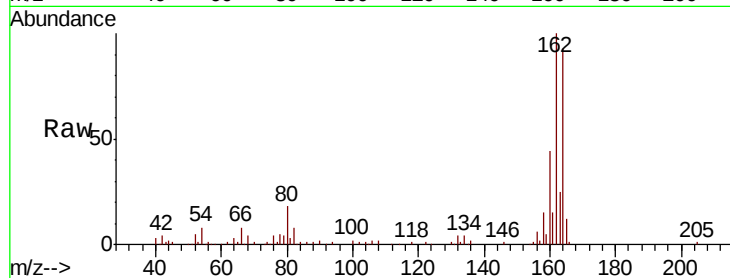




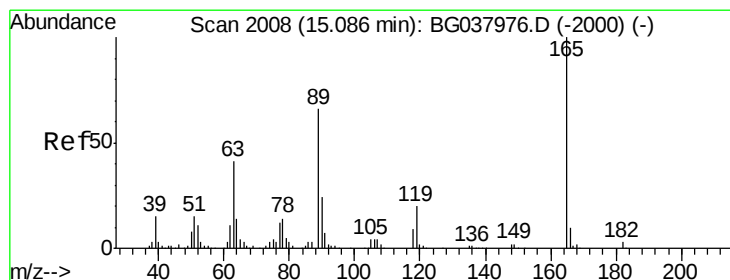
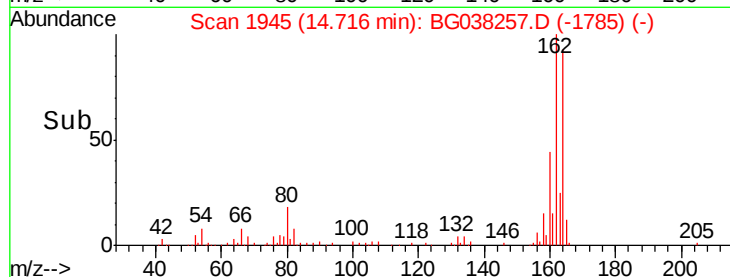
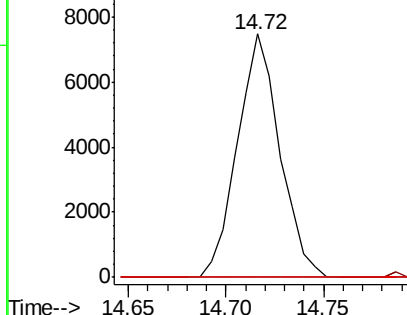
#51
 2,6-Dinitrotoluene
 Concen: 6.865 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038257.D
 Acq: 30 Nov 2018 14:44

Instrument :
 BNA_G
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Tot Ion:165 Resp: 11232
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.4 65.2#
 89 0.0 45.8 68.6#

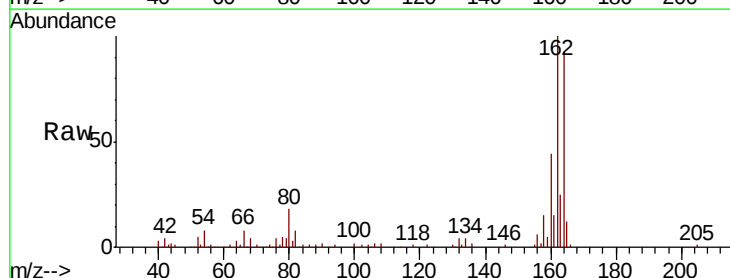


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

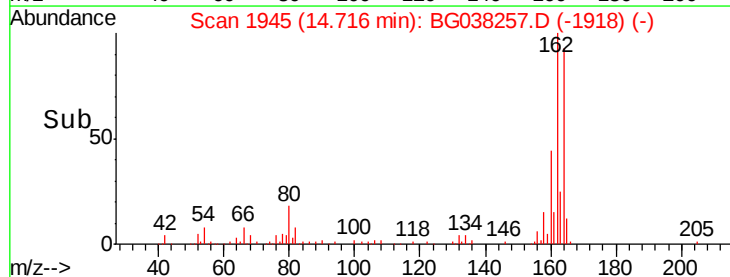
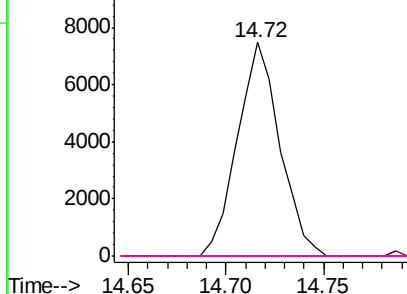


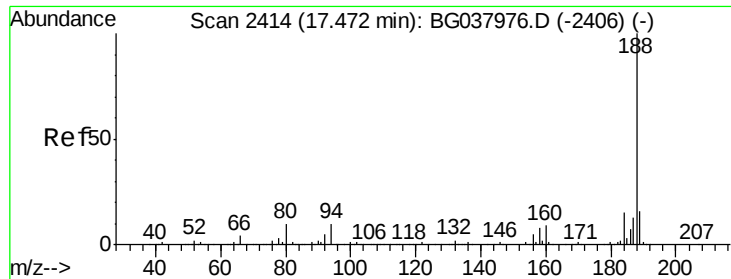
#57
 2,4-Dinitrotoluene
 Concen: 5.046 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038257.D
 Acq: 30 Nov 2018 14:44

Tgt Ion:165 Resp: 11232
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.4 50.0#
 89 0.0 57.2 85.8#
 182 0.0 2.6 4.0#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG038257.D

Acq: 30 Nov 2018 14:44

Instrument :

BNA_G

ClientSampleId :

NS-OILY-STONE

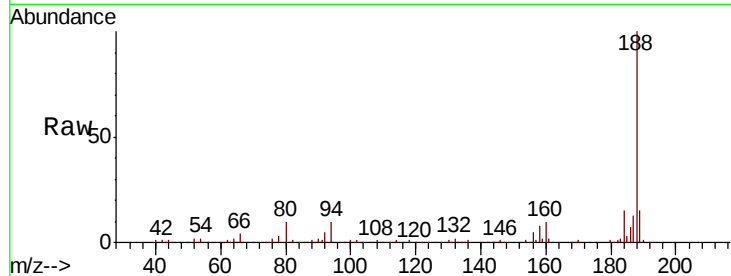
Tot Ion:188 Resp: 202936

Ion Ratio Lower Upper

188 100

94 9.6 7.2 10.8

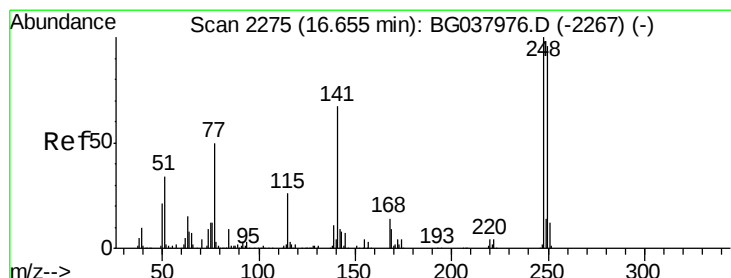
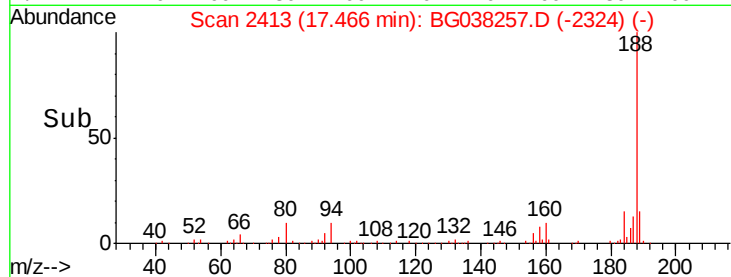
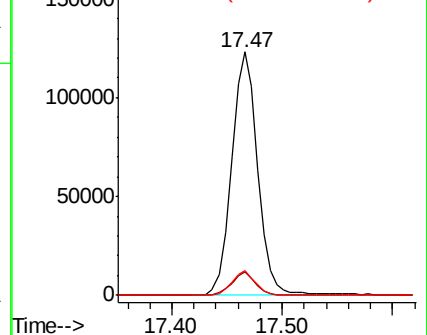
80 10.2 7.7 11.5



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



#67

4-Bromophenyl-phenylether

Concen: 2.103 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.45 min

Lab File: BG038257.D

Acq: 30 Nov 2018 14:44

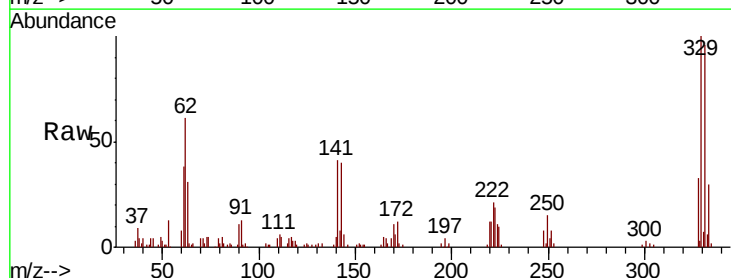
Tgt Ion:248 Resp: 4684

Ion Ratio Lower Upper

248 100

250 194.4 77.0 115.6#

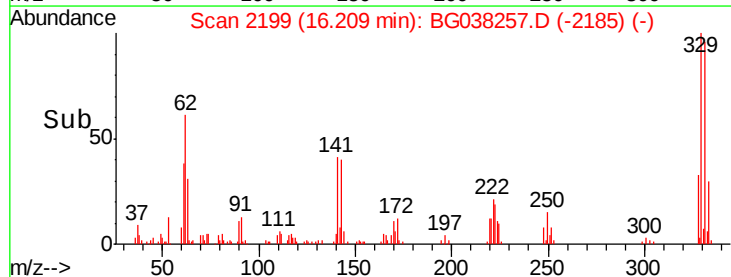
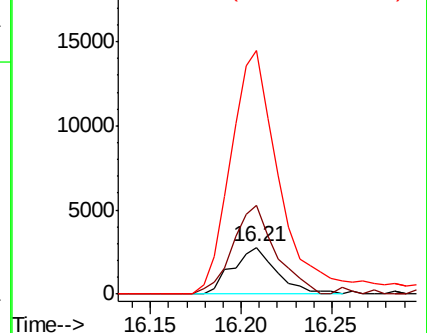
141 415.9 55.5 83.3#

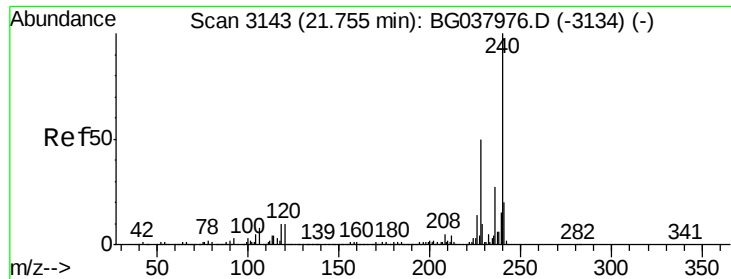


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

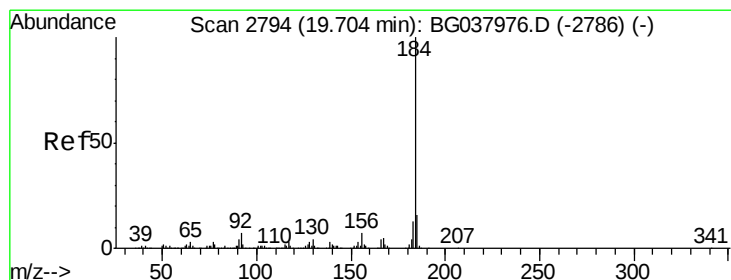
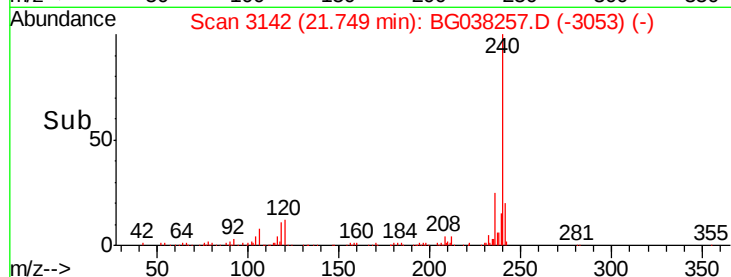
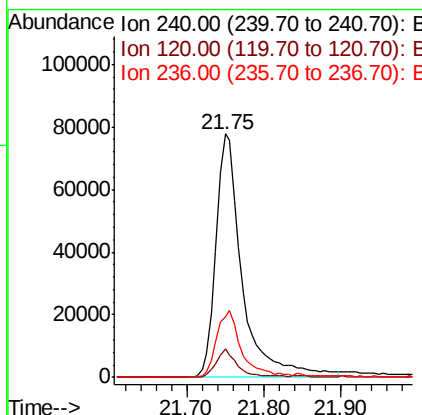
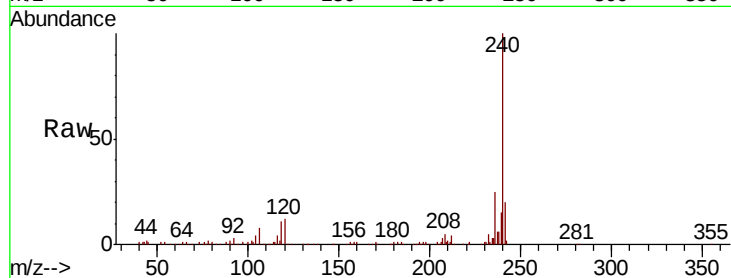




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3142
 Delta R.T. -0.01 min
 Lab File: BG038257.D
 Acq: 30 Nov 2018 14:44

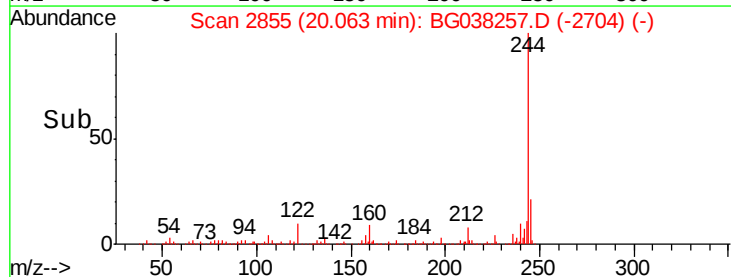
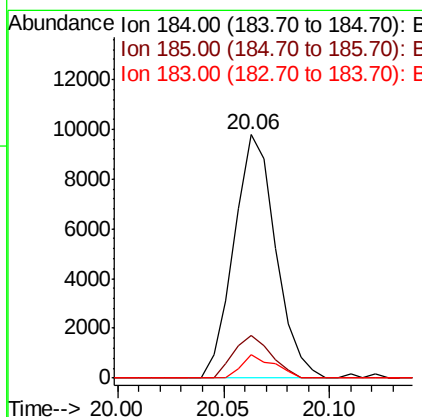
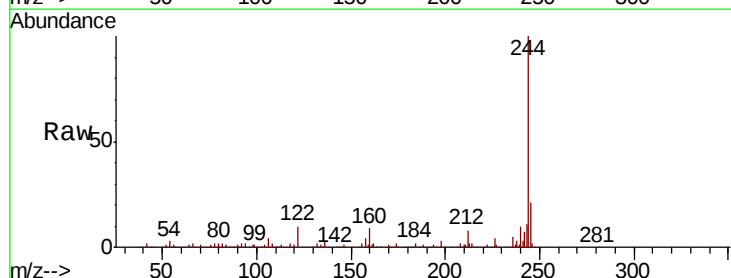
Instrument :
 BNA_G
 ClientSampleId :
 NS-OILY-STONE

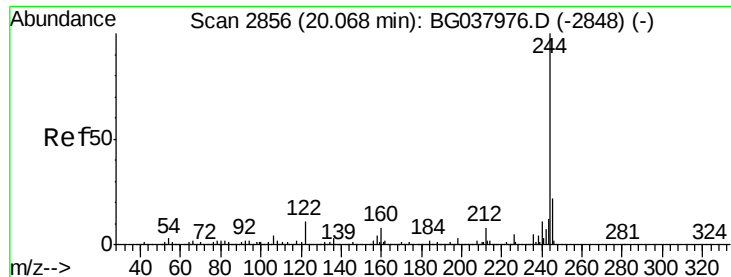
Tot Ion:240 Resp: 183939
 Ion Ratio Lower Upper
 240 100
 120 11.8 8.1 12.1
 236 25.1 21.4 32.0



#77
 Benzidine
 Concen: 2.075 ng
 RT: 20.06 min Scan# 2855
 Delta R.T. 0.36 min
 Lab File: BG038257.D
 Acq: 30 Nov 2018 14:44

Tgt Ion:184 Resp: 13390
 Ion Ratio Lower Upper
 184 100
 185 17.4 12.6 18.8
 183 9.6 10.2 15.2#





#79

Terphenyl-d14

Concen: 101.368 ng

RT: 20.06 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BG038257.D

Acq: 30 Nov 2018 14:44

Instrument :

BNA_G

ClientSampleId :

NS-OILY-STONE

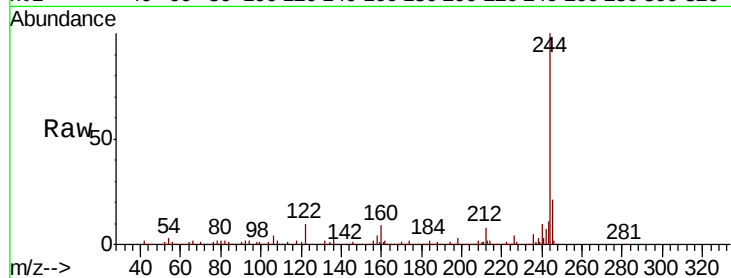
Tot Ion:244 Resp: 792414

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

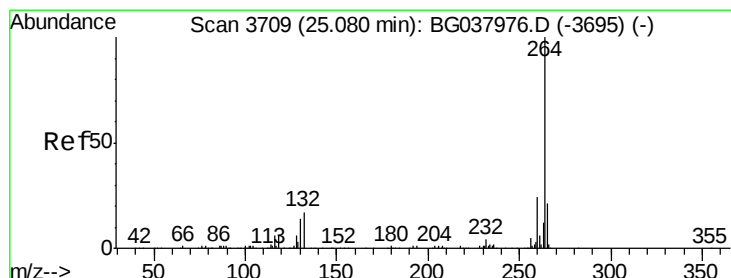
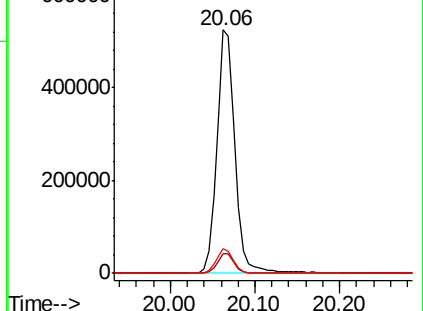
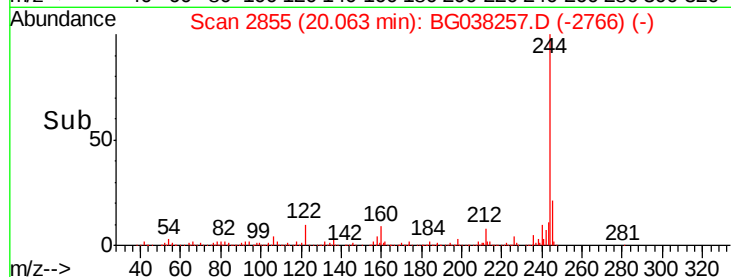
122 10.4 9.0 13.4



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: 25.08 min Scan# 3709

Delta R.T. 0.00 min

Lab File: BG038257.D

Acq: 30 Nov 2018 14:44

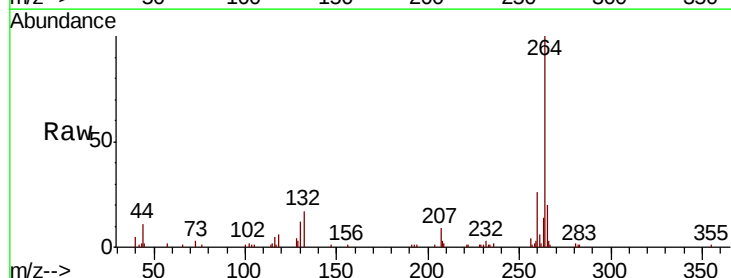
Tgt Ion:264 Resp: 122014

Ion Ratio Lower Upper

264 100

260 26.1 18.2 27.4

265 20.0 17.9 26.9



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

