

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
 Data File : BG040888.D
 Acq On : 12 May 2019 00:17
 Operator : HP/JU
 Sample : K2769-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-190506

Quant Time: May 12 05:01:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

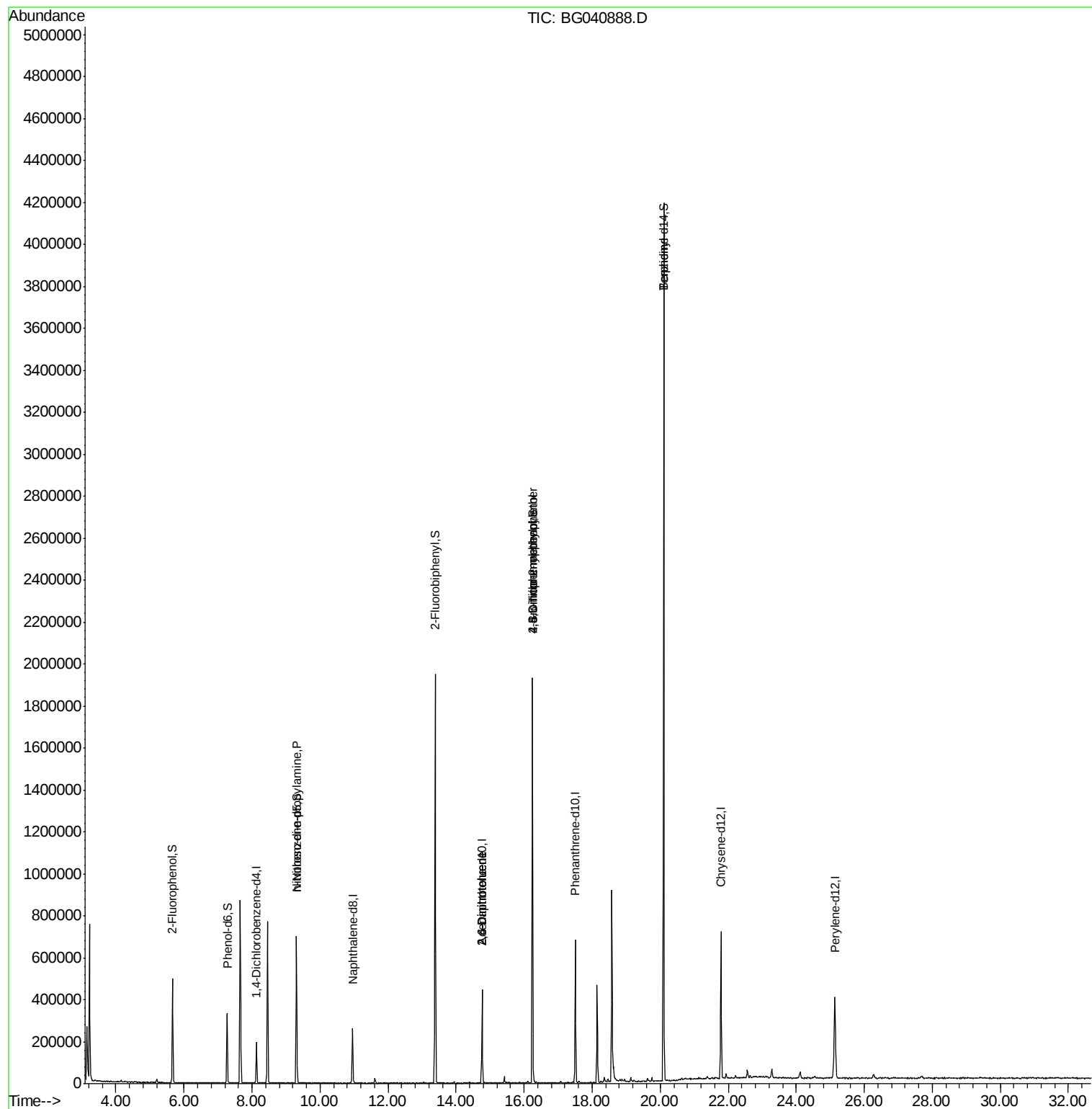
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	50756	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	203805	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	147848	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	421949	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	437008	20.00	ng	-0.04
87) Perylene-d12	25.14	264	461296	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	190329	66.10	ng	-0.02
7) Phenol-d6	7.27	99	172210	38.84	ng	-0.03
23) Nitrobenzene-d5	9.31	82	421761	95.62	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	355113	174.74	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	992321	96.93	ng	-0.03
79) Terphenyl-d14	20.10	244	1905590	96.60	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.27	77	405	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.31	70	60403	15.135 ng	#	72
51) 2,6-Dinitrotoluene	14.76	165	19383	8.029 ng	#	13
57) 2,4-Dinitrotoluene	14.76	165	19383	5.908 ng	#	15
65) 4,6-Dinitro-2-methylphenol	16.25	198	977	7.502 ng	#	1
67) 4-Bromophenyl-phenylether	16.25	248	27579	5.246 ng	#	1
77) Benzydine	20.10	184	35473	2.965 ng	#	94

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

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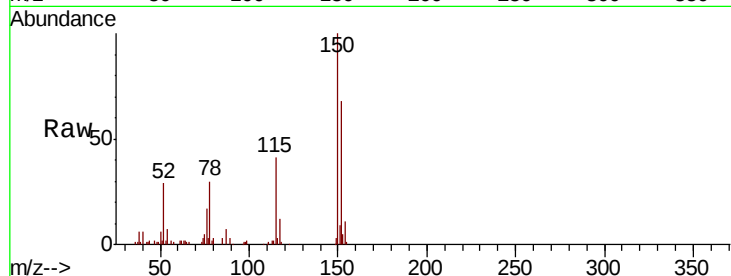


#1

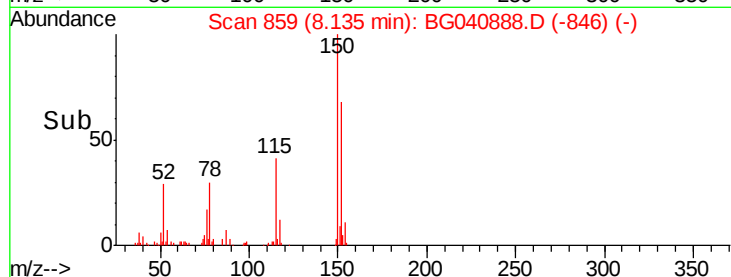
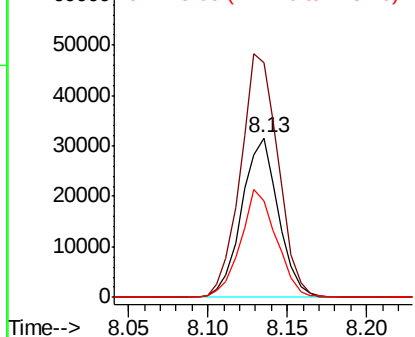
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 859
Delta R.T. -0.02 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Instrument :
BNA_G
ClientSampleId :
RB-190506

Tgt Ion	Ratio	Lower	Upper
152	100		
150	147.6	120.2	180.2
115	60.9	46.2	69.2



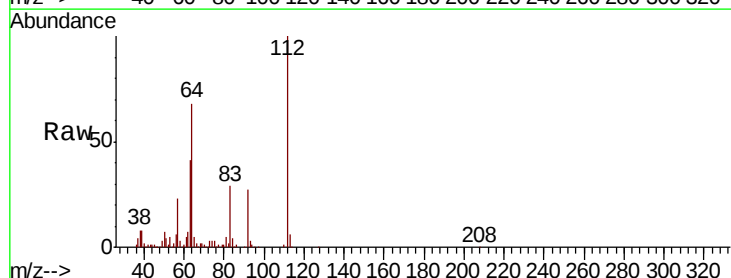
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



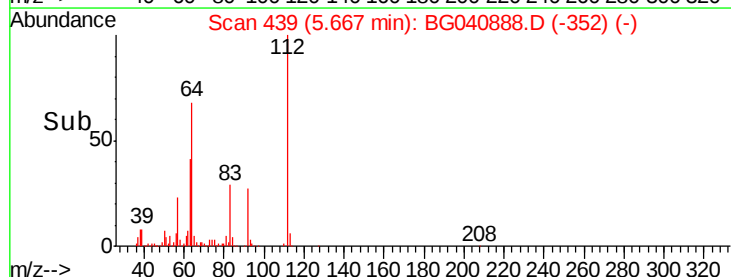
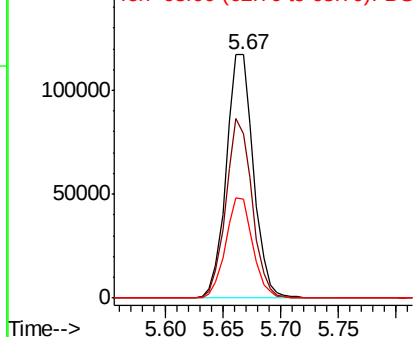
#5

2-Fluorophenol
Concen: 66.102 ng
RT: 5.67 min Scan# 439
Delta R.T. -0.02 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	61.4	92.0
63	40.9	37.8	56.6



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: 38.844 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.03 min

Lab File: BG040888.D

Acq: 12 May 2019 00:17

Instrument :

BNA_G

ClientSampleId :

RB-190506

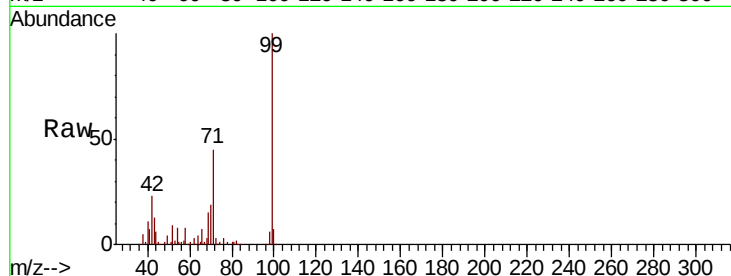
Tgt Ion: 99 Resp: 172210

Ion Ratio Lower Upper

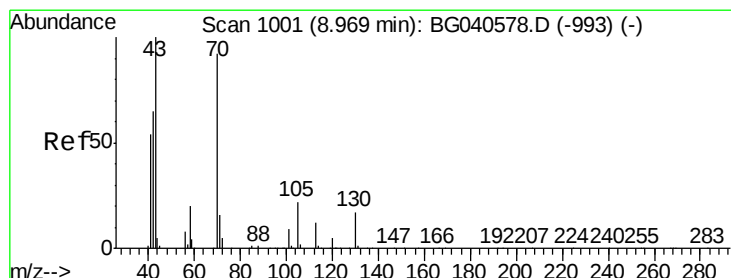
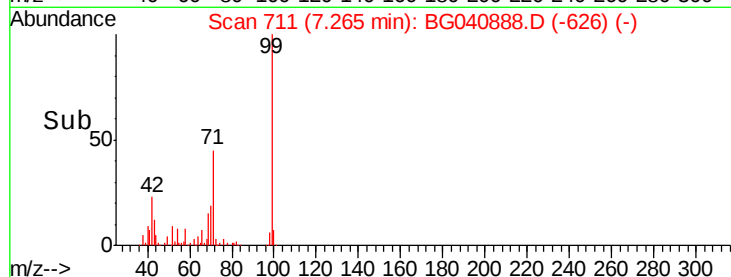
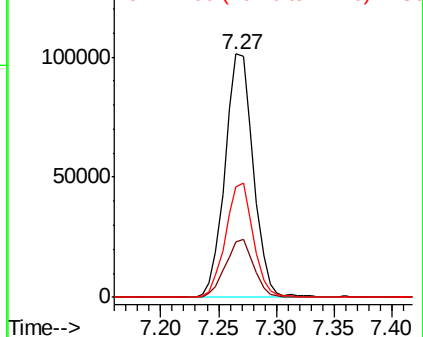
99 100

42 22.7 21.8 32.8

71 45.1 38.6 57.8



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: 15.135 ng

RT: 9.31 min Scan# 1059

Delta R.T. 0.34 min

Lab File: BG040888.D

Acq: 12 May 2019 00:17

Tgt Ion: 70 Resp: 60403

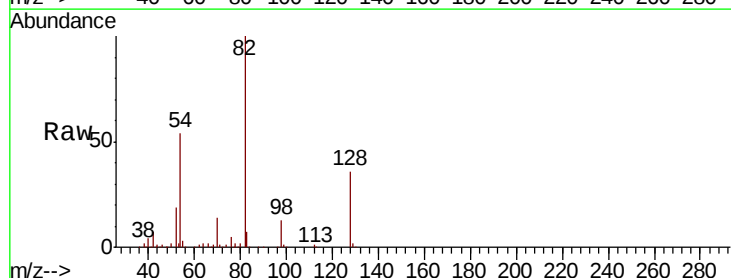
Ion Ratio Lower Upper

70 100

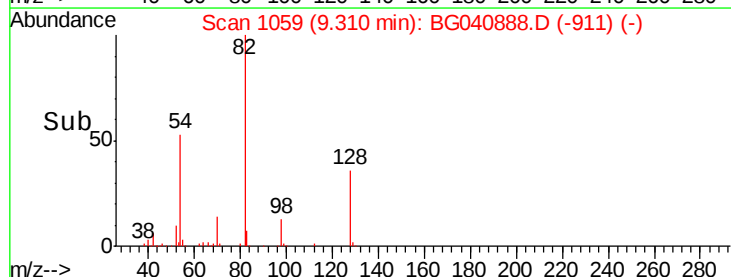
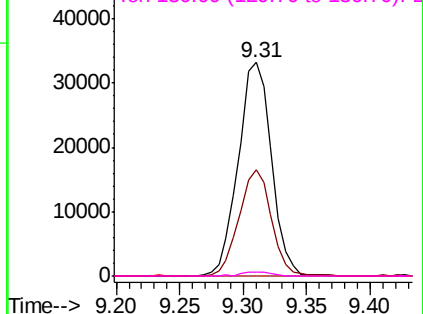
42 49.8 57.1 85.7#

101 0.0 7.8 11.8#

130 1.5 14.6 21.8#



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

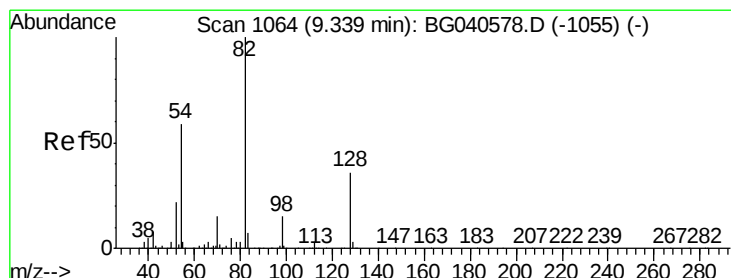
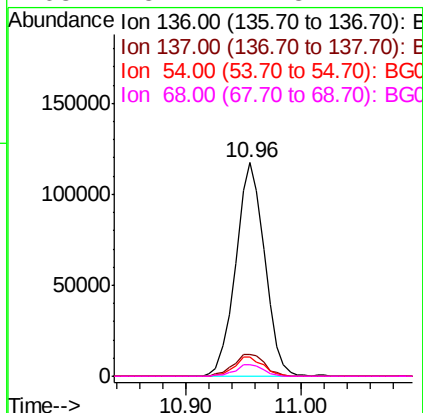
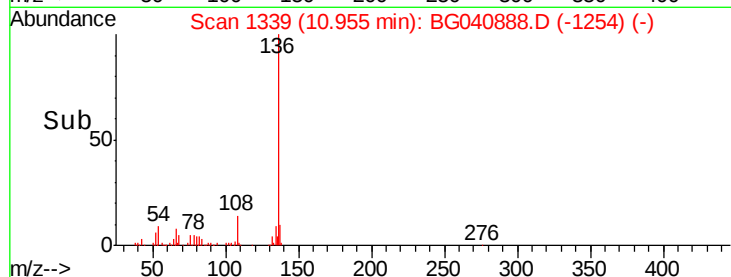
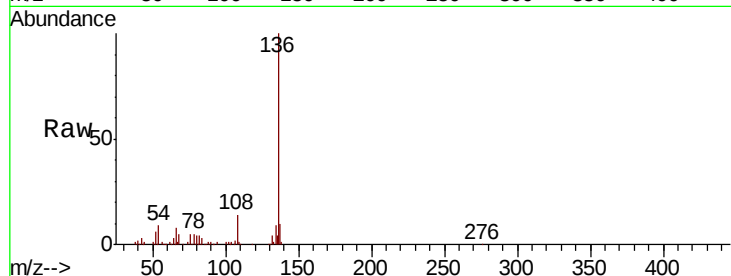




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

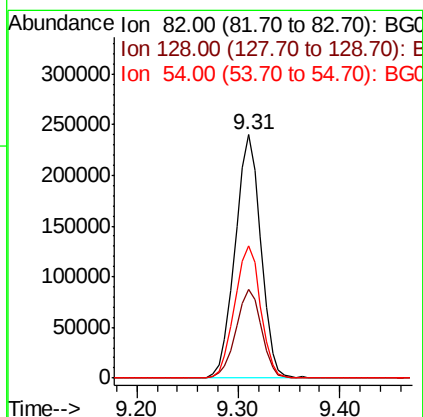
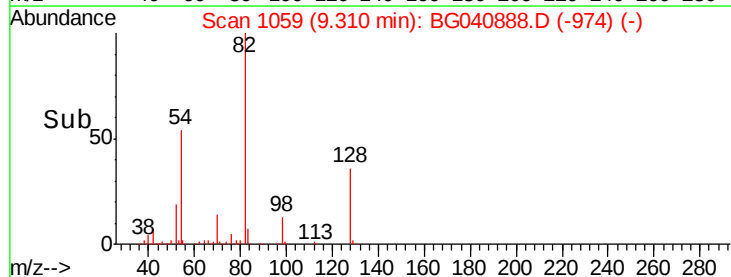
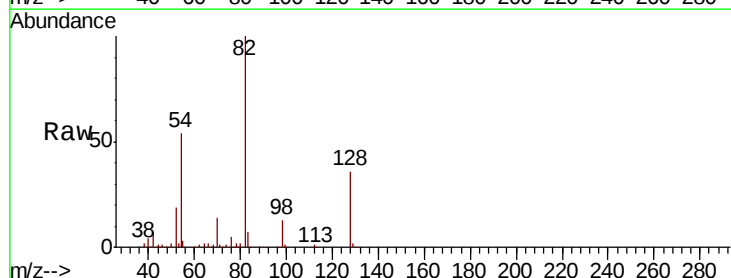
Instrument :
BNA_G
ClientSampleId :
RB-190506

Tgt Ion:	136	Resp:	203805
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.7	14.5
54	9.1	8.6	12.8
68	5.4	4.8	7.2



#23
Nitrobenzene-d5
Concen: 95.621 ng
RT: 9.31 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Tgt Ion:	82	Resp:	421761
Ion	Ratio	Lower	Upper
82	100		
128	36.2	28.9	43.3
54	54.5	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040888.D

Acq: 12 May 2019 00:17

Instrument :

BNA_G

ClientSampleId :

RB-190506

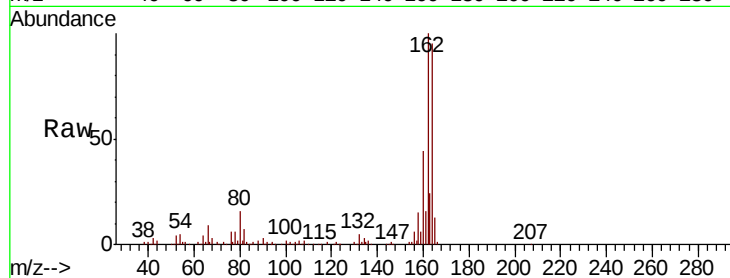
Tgt Ion:164 Resp: 147848

Ion Ratio Lower Upper

164 100

162 105.3 81.9 122.9

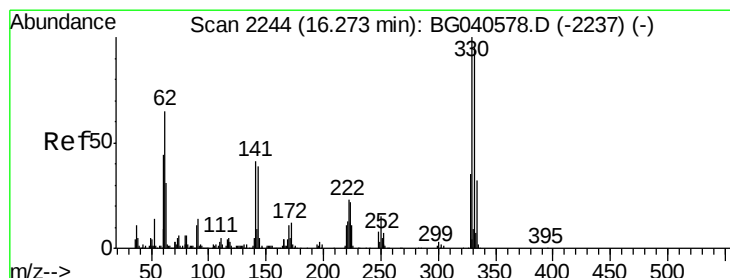
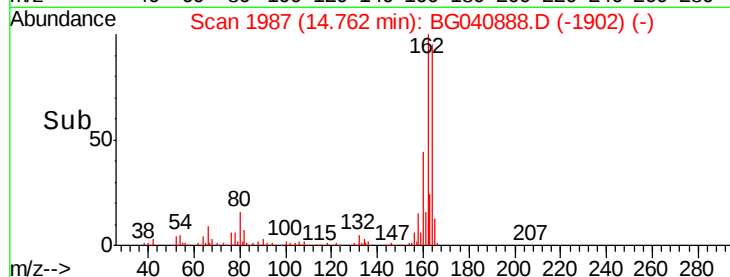
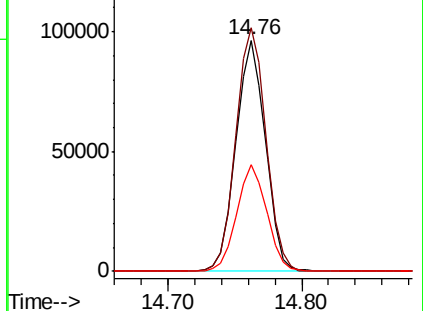
160 46.1 35.4 53.2



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: 174.743 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040888.D

Acq: 12 May 2019 00:17

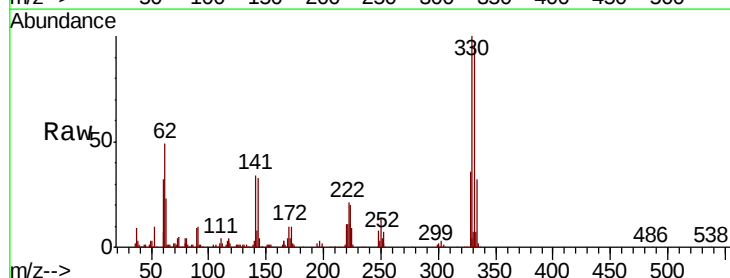
Tgt Ion:330 Resp: 355113

Ion Ratio Lower Upper

330 100

332 96.5 75.9 113.9

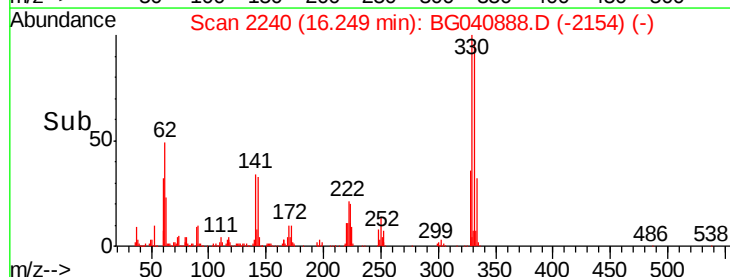
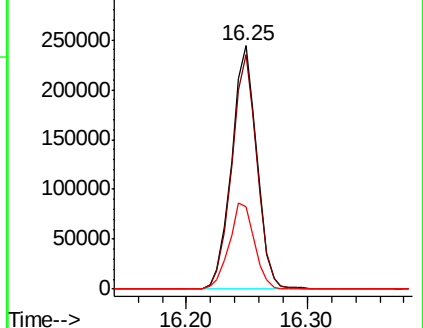
141 35.6 32.4 48.6

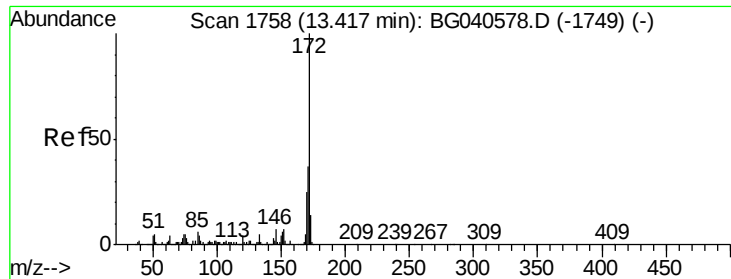


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 96.931 ng

RT: 13.39 min Scan# 1753

Delta R.T. -0.03 min

Lab File: BG040888.D

Acq: 12 May 2019 00:17

Instrument :

BNA_G

ClientSampleId :

RB-190506

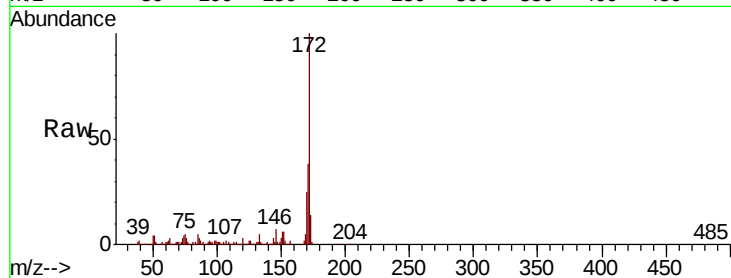
Tgt Ion:172 Resp: 992321

Ion Ratio Lower Upper

172 100

171 37.7 29.4 44.2

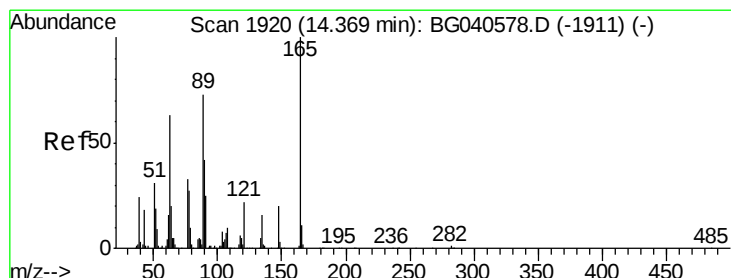
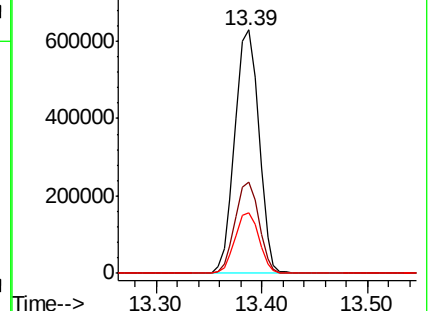
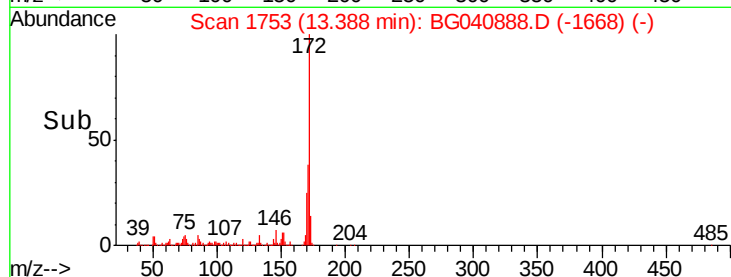
170 24.9 19.9 29.9



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: 8.029 ng

RT: 14.76 min Scan# 1987

Delta R.T. 0.39 min

Lab File: BG040888.D

Acq: 12 May 2019 00:17

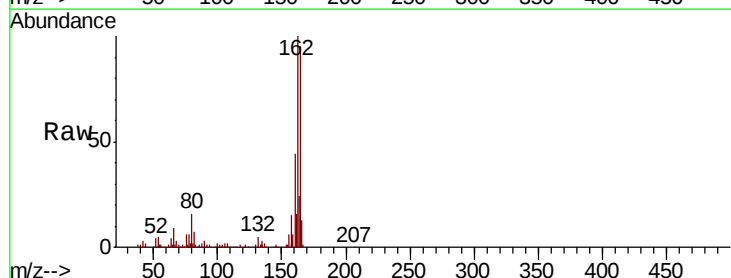
Tgt Ion:165 Resp: 19383

Ion Ratio Lower Upper

165 100

63 1.6 61.0 91.4#

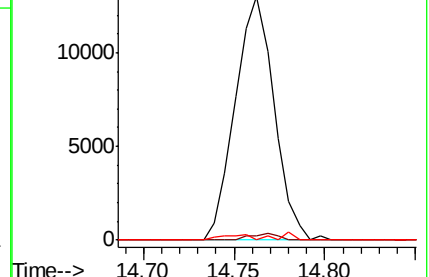
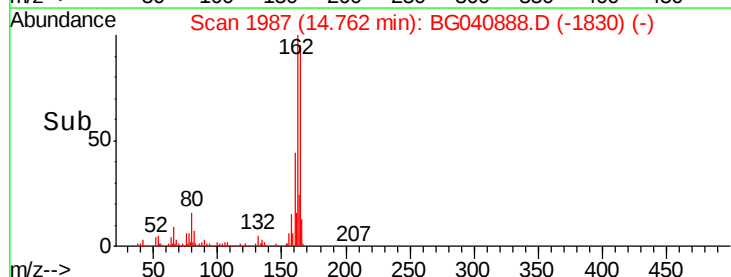
89 0.0 58.6 87.8#



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





#57

2,4-Dinitrotoluene

Concen: 5.908 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.38 min

Lab File: BG040888.D

Acq: 12 May 2019 00:17

Instrument :

BNA_G

ClientSampleId :

RB-190506

Tgt Ion:165 Resp: 19383

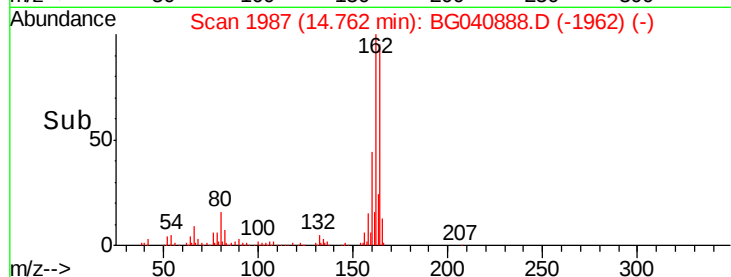
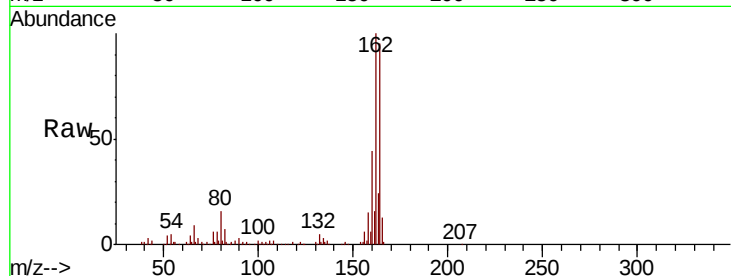
Ion Ratio Lower Upper

165 100

63 1.6 45.8 68.8#

89 0.0 69.4 104.2#

182 0.0 2.2 3.4#

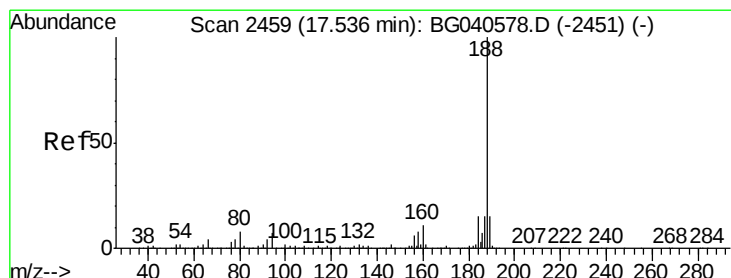
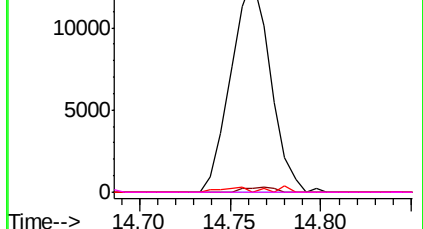


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.51 min Scan# 2454

Delta R.T. -0.03 min

Lab File: BG040888.D

Acq: 12 May 2019 00:17

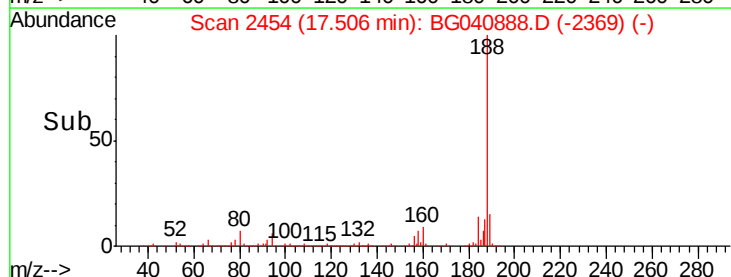
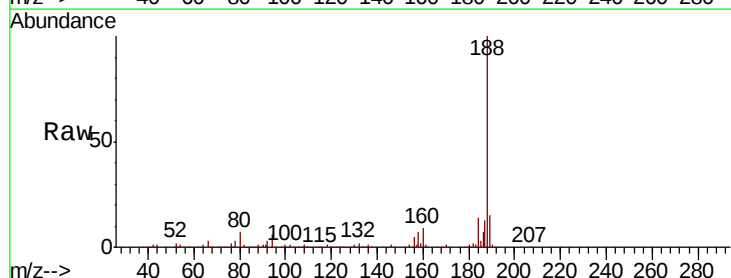
Tgt Ion:188 Resp: 421949

Ion Ratio Lower Upper

188 100

94 5.6 5.6 8.4

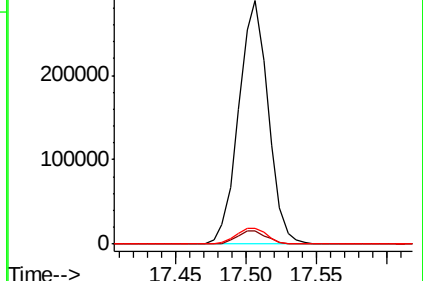
80 6.5 6.4 9.6

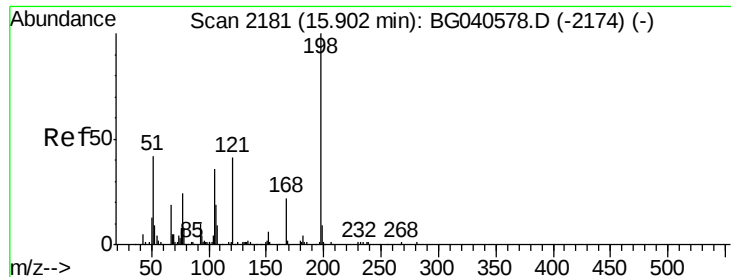


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

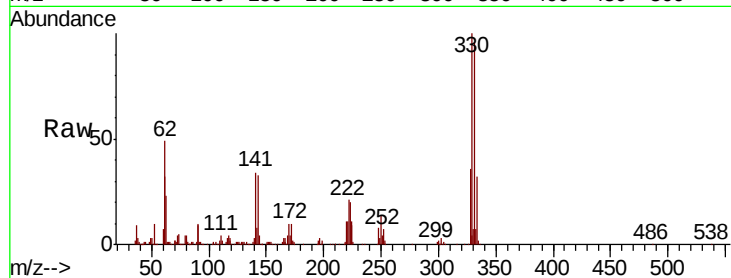




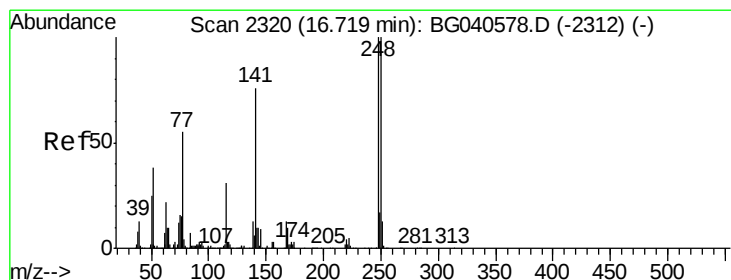
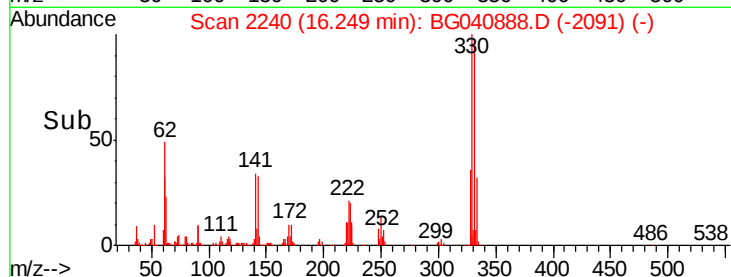
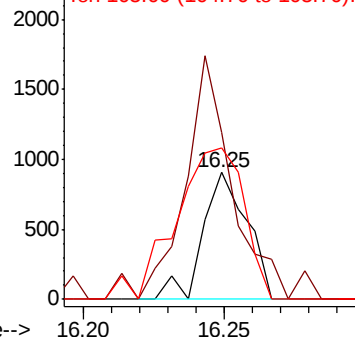
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.502 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. 0.35 min
 Lab File: BG040888.D
 Acq: 12 May 2019 00:17

Instrument :
 BNA_G
 ClientSampleId :
 RB-190506

Tgt Ion:198 Resp: 977
 Ion Ratio Lower Upper
 198 100
 51 131.7 35.9 75.9#
 105 118.7 21.2 61.2#

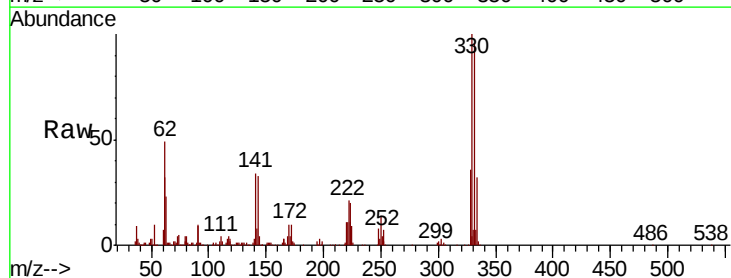


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

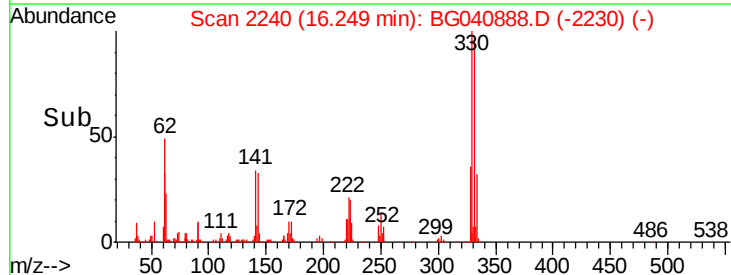
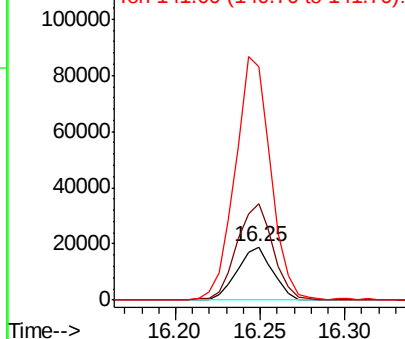


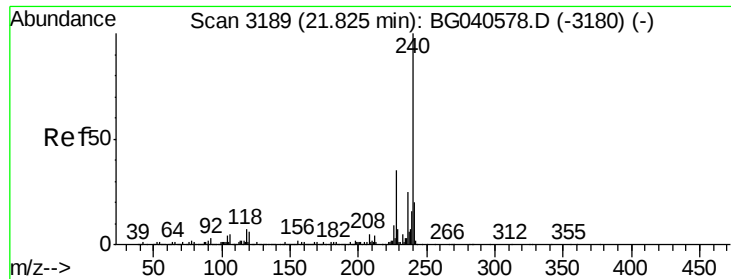
#67
 4-Bromophenyl-phenylether
 Concen: 5.246 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. -0.47 min
 Lab File: BG040888.D
 Acq: 12 May 2019 00:17

Tgt Ion:248 Resp: 27579
 Ion Ratio Lower Upper
 248 100
 250 181.4 79.8 119.6#
 141 438.8 60.8 91.2#



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

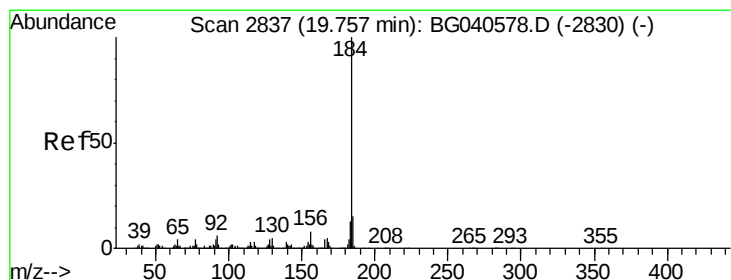
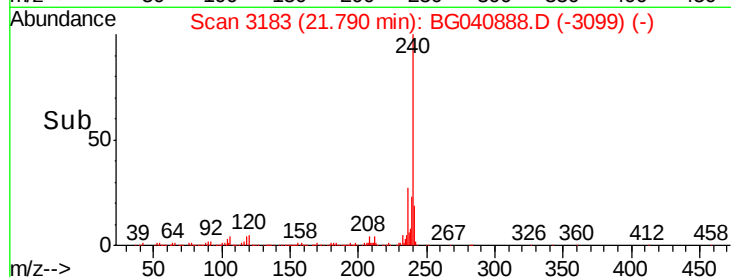
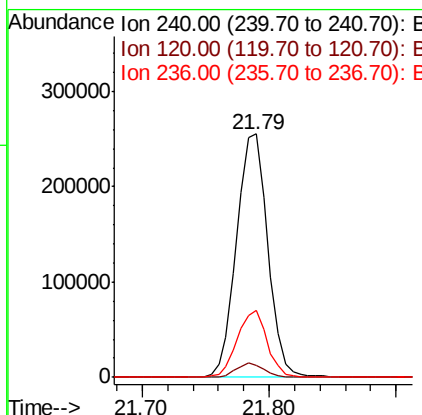
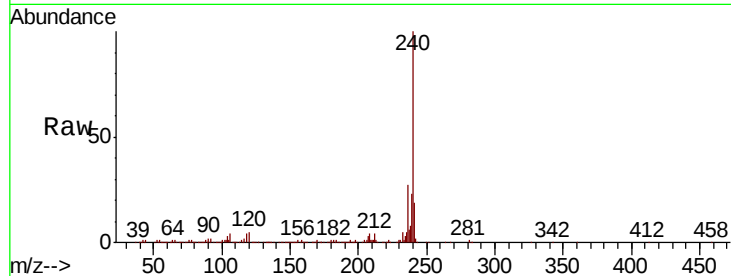




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3183
 Delta R.T. -0.04 min
 Lab File: BG040888.D
 Acq: 12 May 2019 00:17

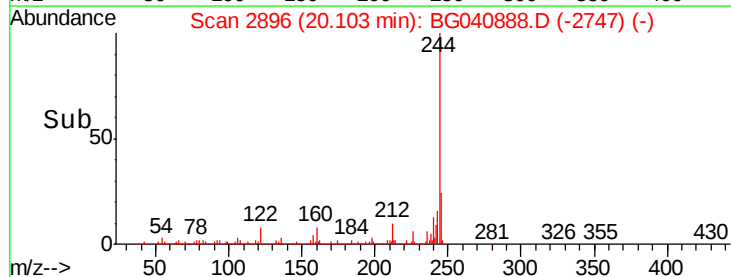
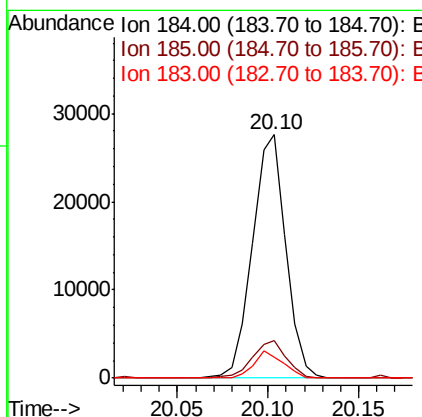
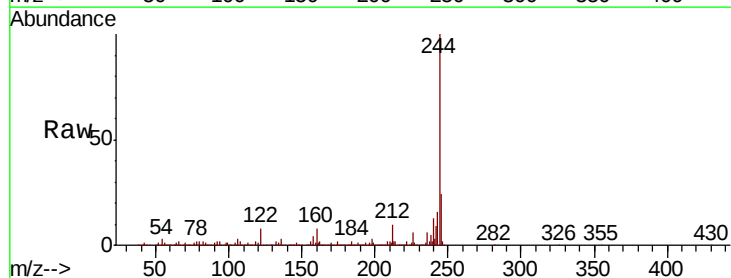
Instrument :
 BNA_G
 ClientSampleId :
 RB-190506

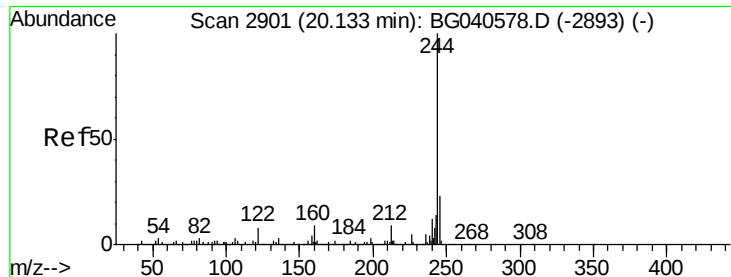
Tgt Ion:240 Resp: 437008
 Ion Ratio Lower Upper
 240 100
 120 4.9 5.0 7.6#
 236 27.4 20.3 30.5



#77
 Benzidine
 Concen: 2.965 ng
 RT: 20.10 min Scan# 2896
 Delta R.T. 0.35 min
 Lab File: BG040888.D
 Acq: 12 May 2019 00:17

Tgt Ion:184 Resp: 35473
 Ion Ratio Lower Upper
 184 100
 185 15.6 11.8 17.8
 183 8.4 10.2 15.2#





#79

Terphenyl-d14

Concen: 96.604 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040888.D

Acq: 12 May 2019 00:17

Instrument :

BNA_G

ClientSampleId :

RB-190506

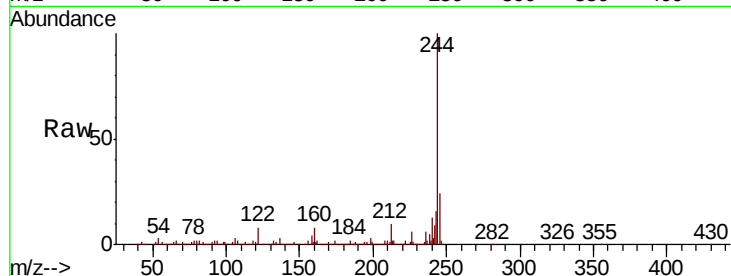
Tgt Ion:244 Resp: 1905590

Ion Ratio Lower Upper

244 100

212 9.8 7.2 10.8

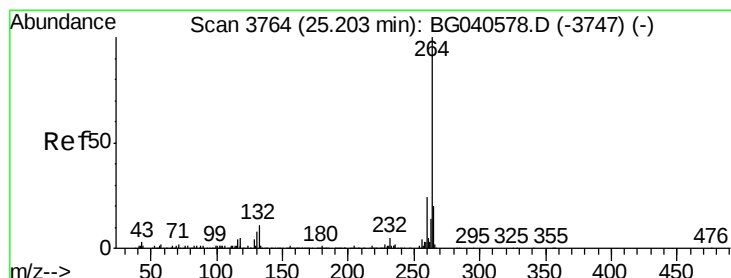
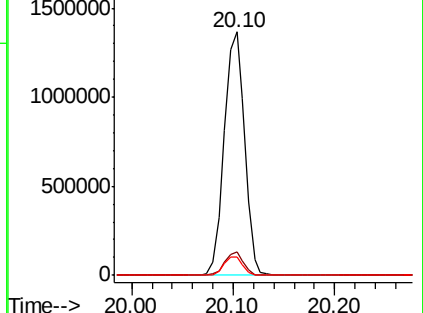
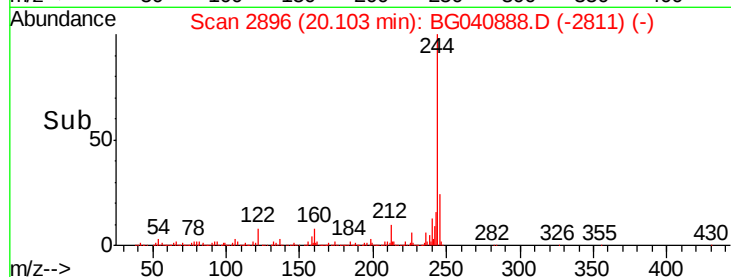
122 7.5 6.6 10.0



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

Perylene-d12

Concen: 20.000 ng

RT: 25.14 min Scan# 3753

Delta R.T. -0.06 min

Lab File: BG040888.D

Acq: 12 May 2019 00:17

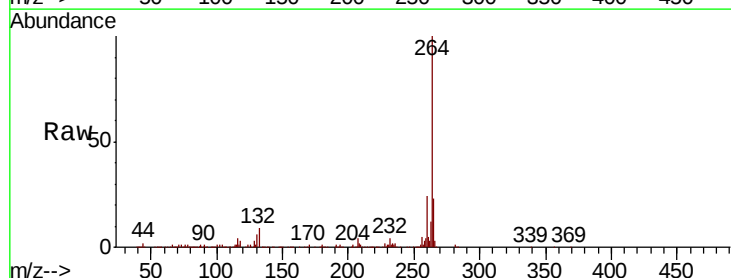
Tgt Ion:264 Resp: 461296

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 23.5 16.6 25.0



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

