

Data File : BG043989.D
Acq On : 9 Jan 2020 6:29
Operator : JU
Sample : L1039-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
225-230

Quant Time: Jan 09 07:58:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	115932	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	466593	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	303260	20.00	ng	-0.02
64) Phenanthrene-d10	17.33	188	664931	20.00	ng	0.00
76) Chrysene-d12	21.57	240	583054	20.00	ng	-0.02
87) Perylene-d12	24.69	264	595353	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	877336	138.95	ng	0.00
7) Phenol-d6	7.12	99	1190768	134.92	ng	0.00
23) Nitrobenzene-d5	9.11	82	707232	81.09	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	453769	142.98	ng	-0.02
45) 2-Fluorobiphenyl	13.21	172	1539811	91.99	ng	-0.02
79) Terphenyl-d14	19.94	244	2262432	97.02	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.17	88	25874	9.398	ng	# 1
19) n-Nitroso-di-n-propylamine	9.11	70	94232	14.337	ng	# 80
51) 2,6-Dinitrotoluene	14.58	165	39683	8.154	ng	# 26
57) 2,4-Dinitrotoluene	14.58	165	39683	5.992	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.07	198	1900	4.894	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	32827	4.390	ng	# 1
77) Benzidine	19.94	184	43906	2.996	ng	# 93

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

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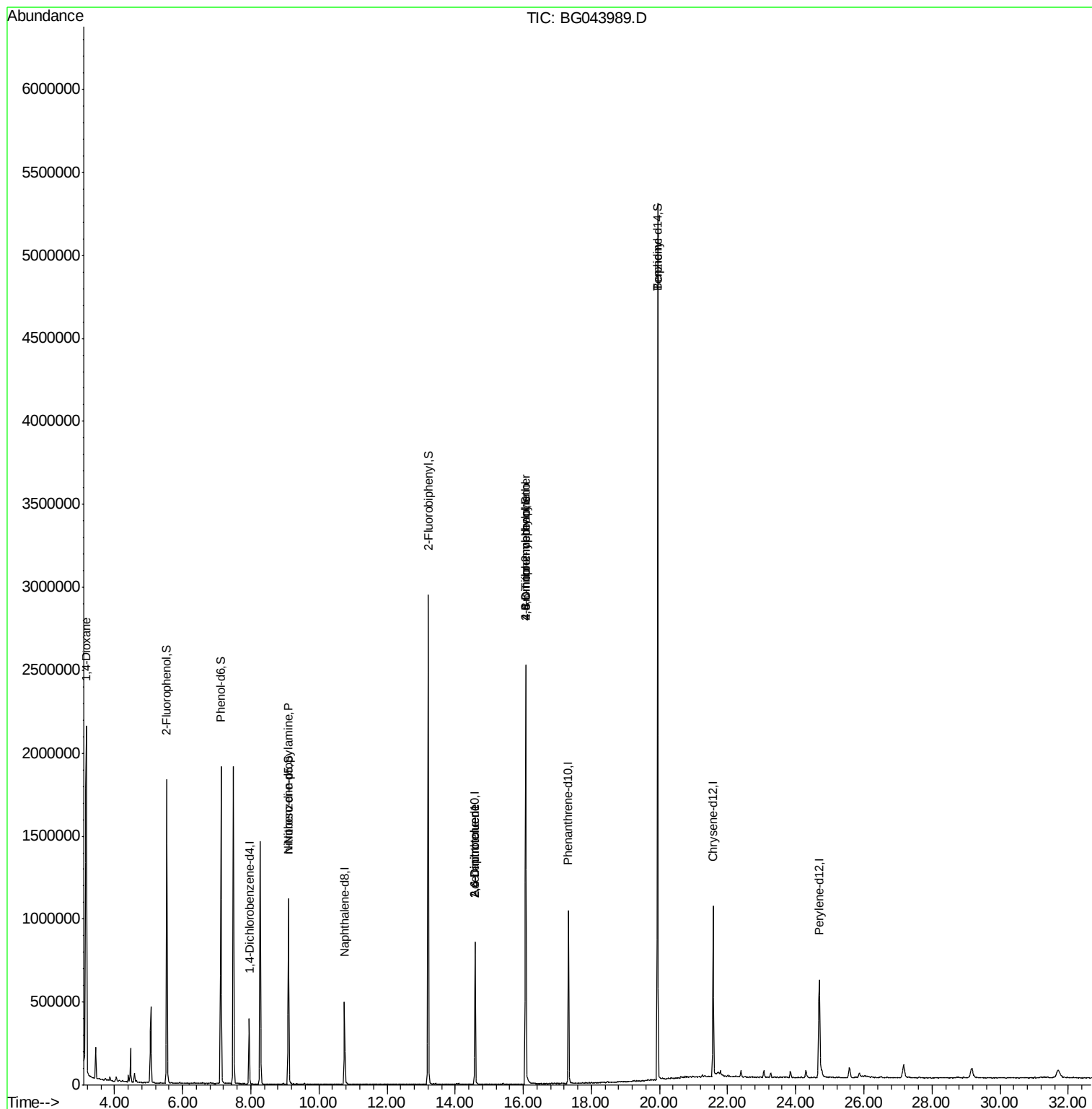
Quant Time: Jan 09 07:58:18 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M

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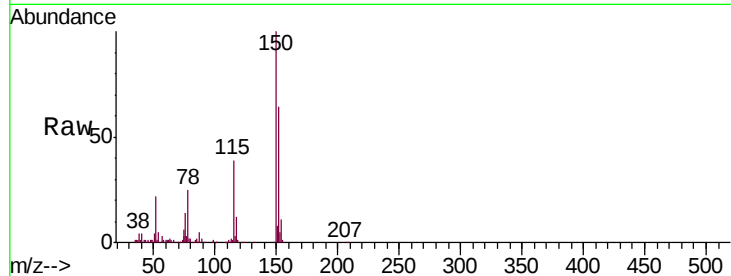


#1

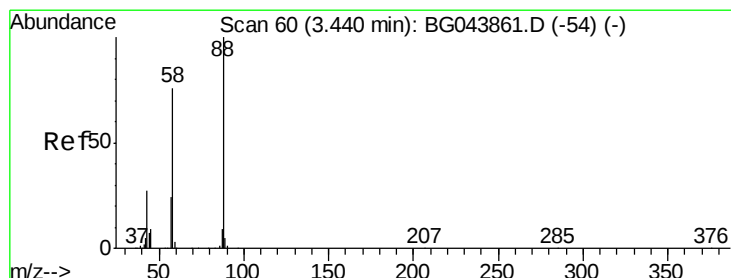
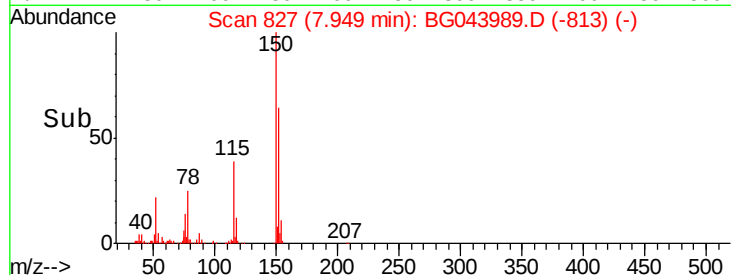
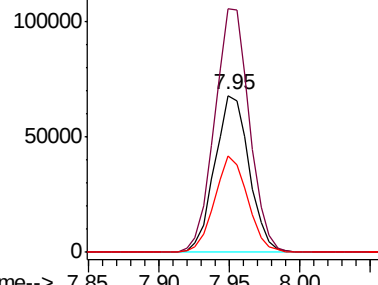
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG043989.D
Acq: 9 Jan 2020 6:29

Instrument :
BNA_G
ClientSampled :
225-230

Tgt Ion:152 Resp: 115932
Ion Ratio Lower Upper
152 100
150 155.2 127.0 190.4
115 61.3 47.8 71.8



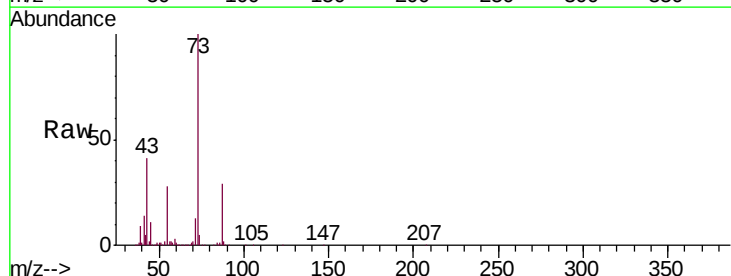
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



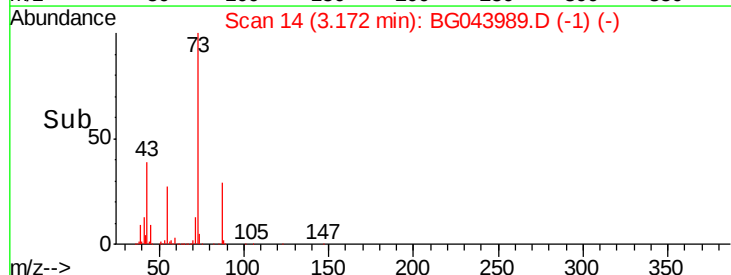
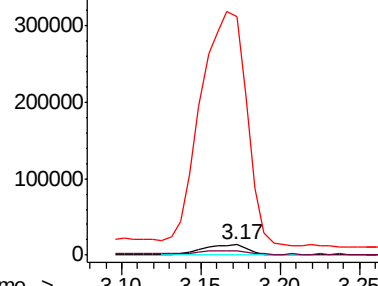
#2

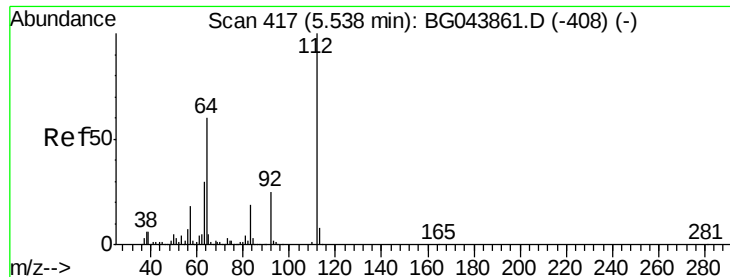
1,4-Dioxane
Concen: 9.398 ng
RT: 3.17 min Scan# 14
Delta R.T. -0.27 min
Lab File: BG043989.D
Acq: 9 Jan 2020 6:29

Tgt Ion: 88 Resp: 25874
Ion Ratio Lower Upper
88 100
58 38.8 59.8 89.8#
43 2385.3 22.9 34.3#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 138.952 ng

RT: 5.53 min Scan# 416

Delta R.T. -0.00 min

Lab File: BG043989.D

Acq: 9 Jan 2020 6:29

Instrument :

BNA_G

ClientSampleId :

225-230

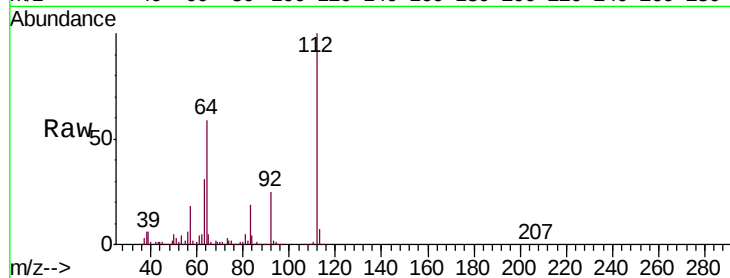
Tgt Ion: 112 Resp: 877336

Ion Ratio Lower Upper

112 100

64 59.4 47.8 71.6

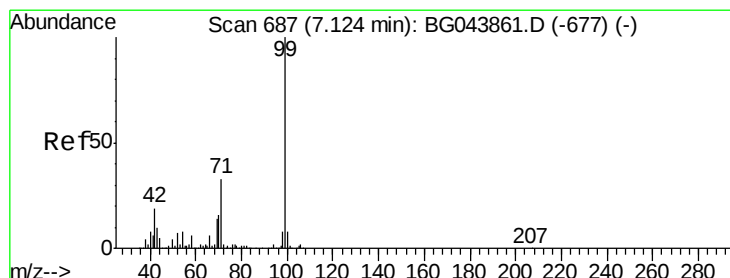
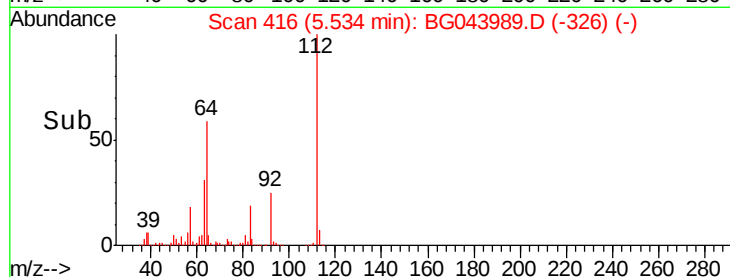
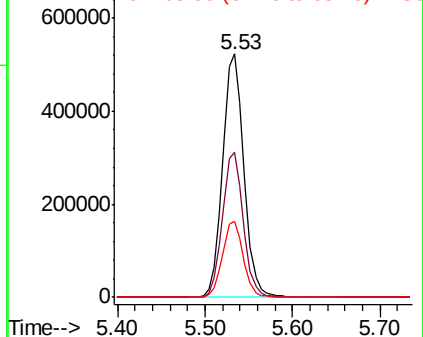
63 31.3 24.3 36.5



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 134.919 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG043989.D

Acq: 9 Jan 2020 6:29

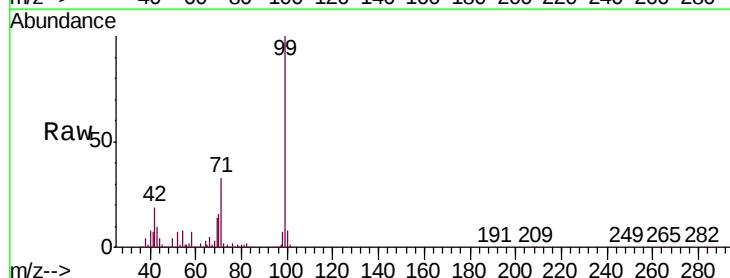
Tgt Ion: 99 Resp: 1190768

Ion Ratio Lower Upper

99 100

42 19.3 14.9 22.3

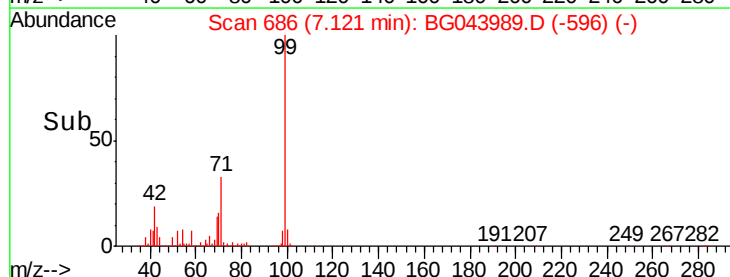
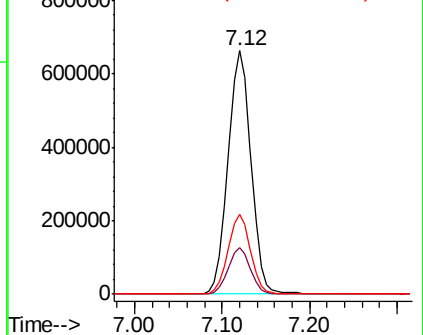
71 32.9 26.4 39.6



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

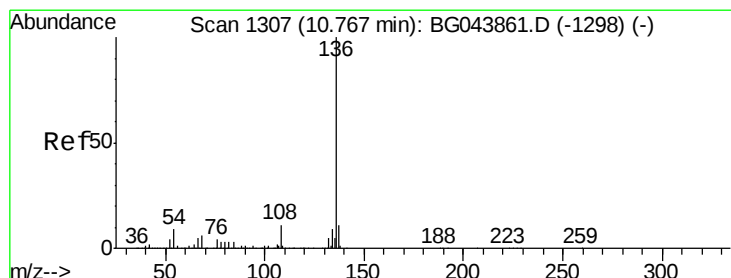
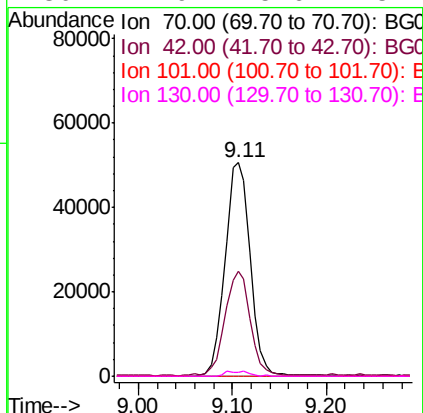
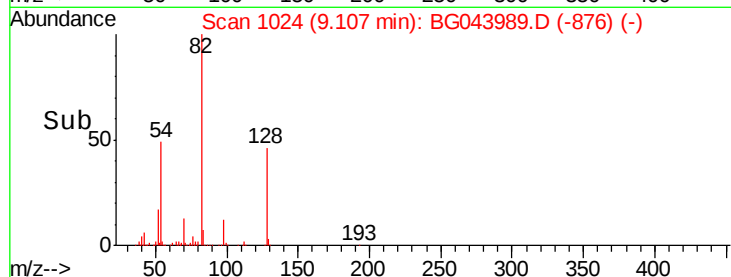
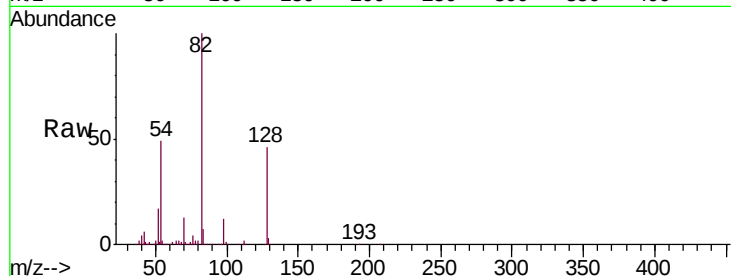




#19
n-Nitroso-di-n-propylamine
Concen: 14.337 ng
RT: 9.11 min Scan# 1024
Delta R.T. 0.34 min
Lab File: BG043989.D
Acq: 9 Jan 2020 6:29

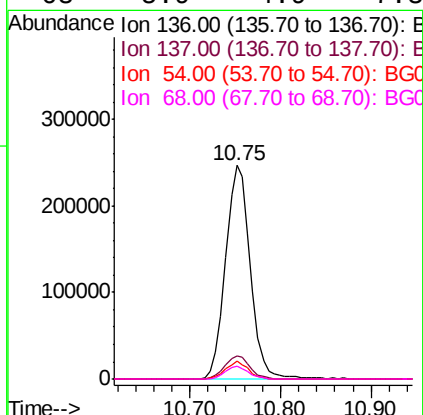
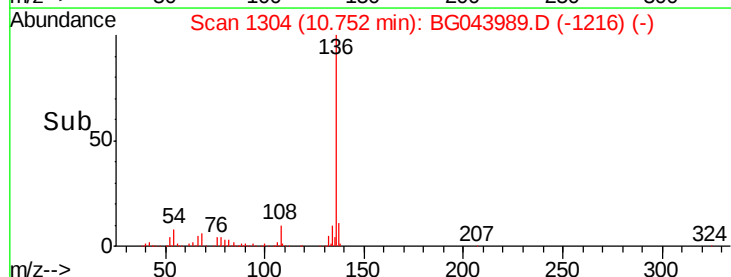
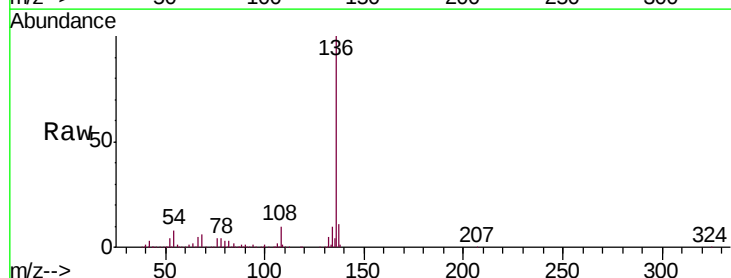
Instrument :
BNA_G
ClientSampleId :
225-230

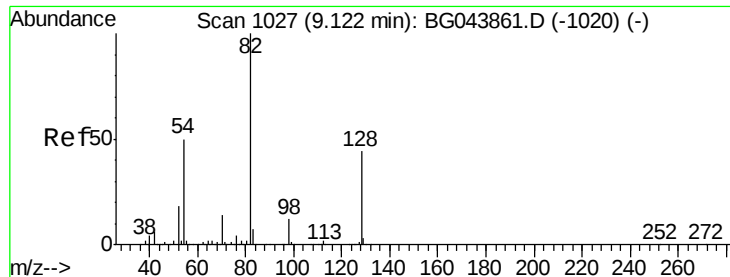
Tgt Ion: 70 Resp: 94232
Ion Ratio Lower Upper
70 100
42 48.9 47.0 70.4
101 0.0 7.2 10.8#
130 1.9 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG043989.D
Acq: 9 Jan 2020 6:29

Tgt Ion: 136 Resp: 466593
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.2 7.0 10.4
68 5.9 4.9 7.3

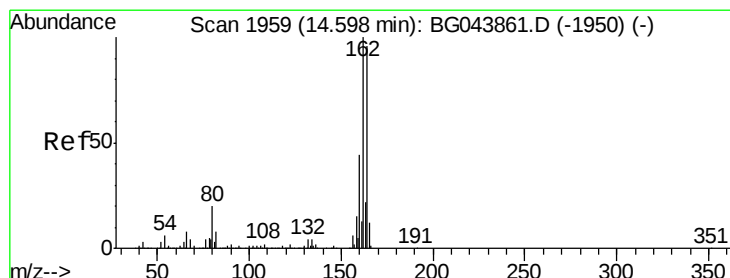
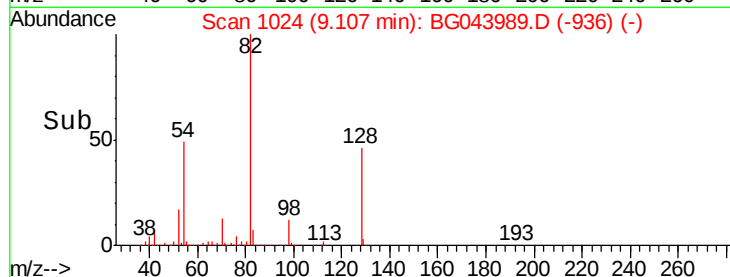
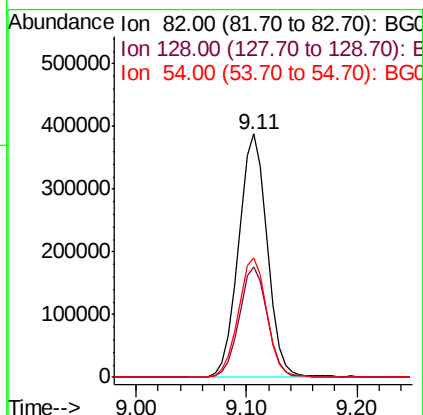
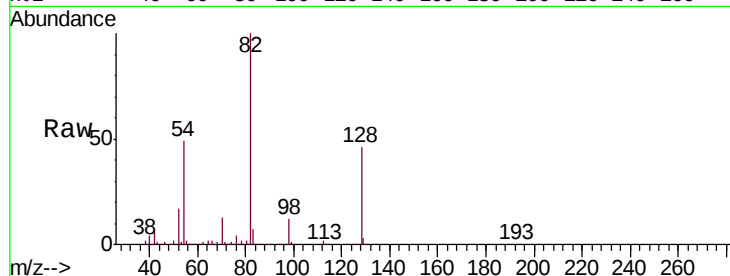




#23
Nitrobenzene-d5
Concen: 81.086 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG043989.D
Acq: 9 Jan 2020 6:29

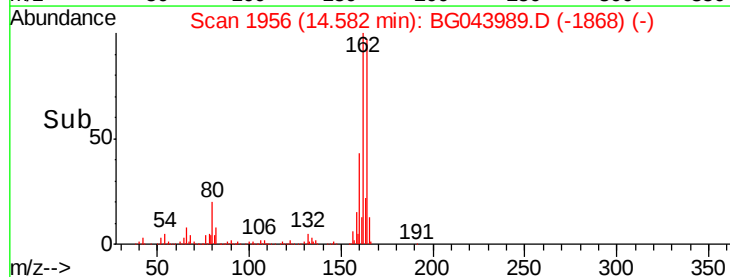
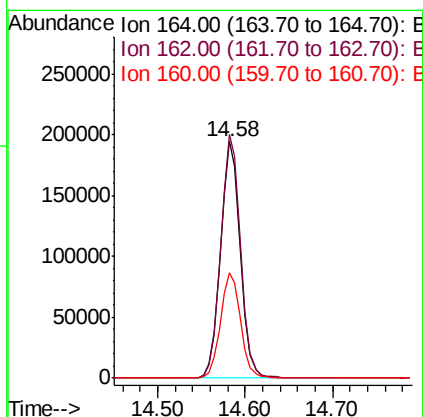
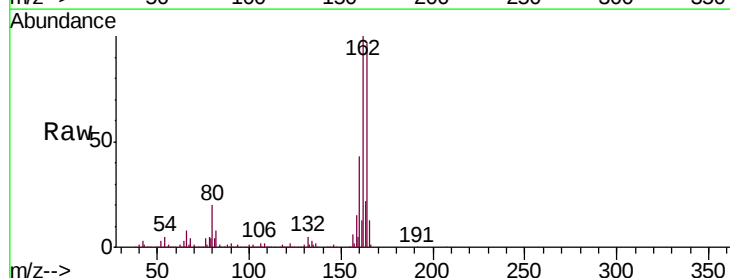
Instrument :
BNA_G
ClientSampleId :
225-230

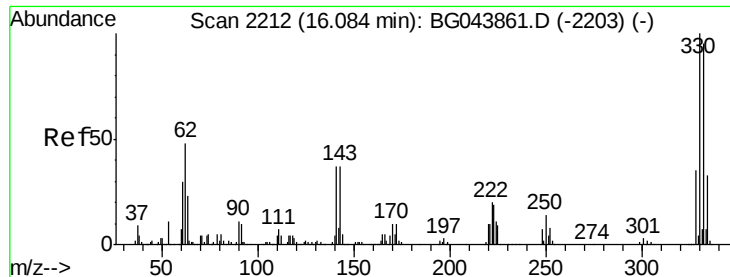
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.5	35.1	52.7
54	48.8	40.1	60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BG043989.D
Acq: 9 Jan 2020 6:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	83.0	124.4
160	44.7	36.1	54.1

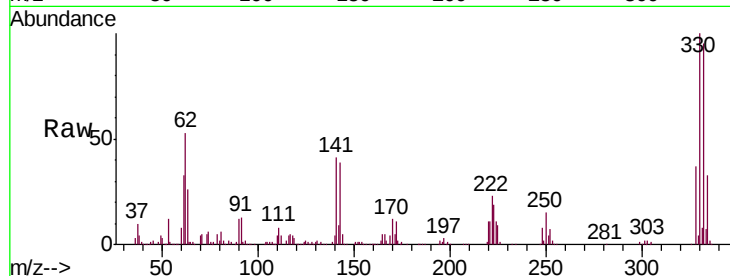




#42
 2,4,6-Tribromophenol
 Concen: 142.984 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.02 min
 Lab File: BG043989.D
 Acq: 9 Jan 2020 6:29

Instrument :
 BNA_G
 ClientSampleId :
 225-230

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.2	115.8
141	40.3	33.1	49.7

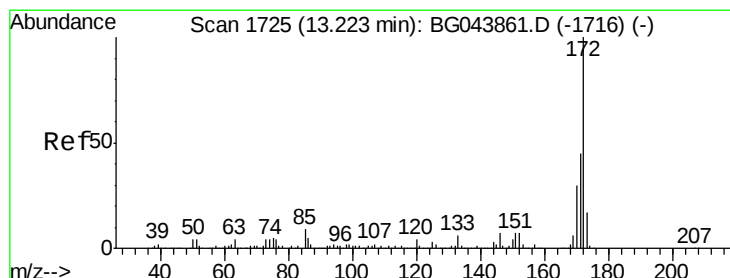
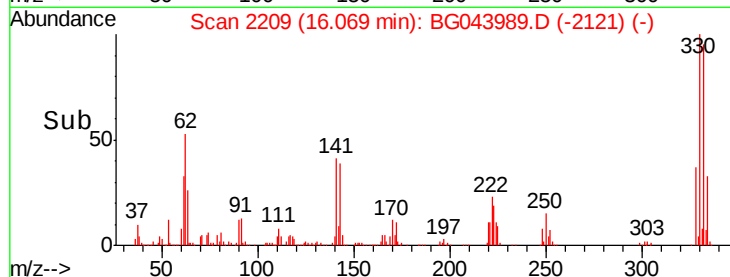
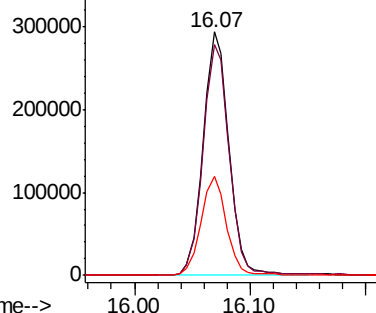


Abundance

Ion 329.80 (329.50 to 330.50): E

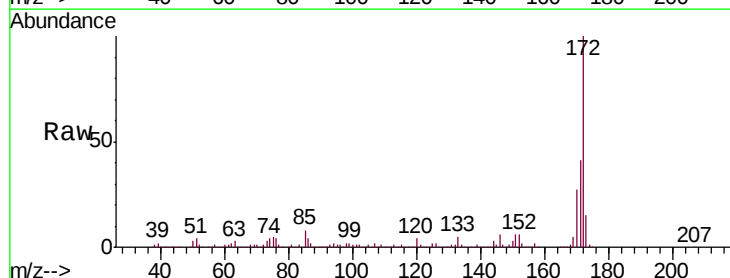
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 91.993 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BG043989.D
 Acq: 9 Jan 2020 6:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.5	35.8	53.8
170	27.4	24.2	36.4

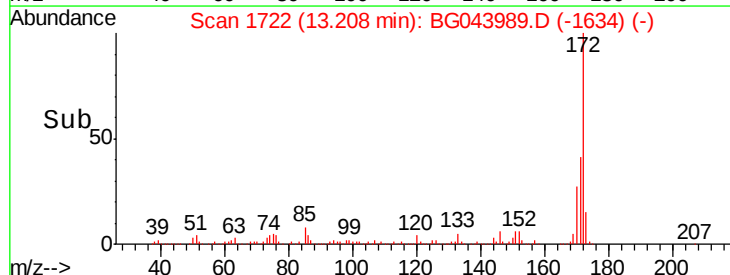
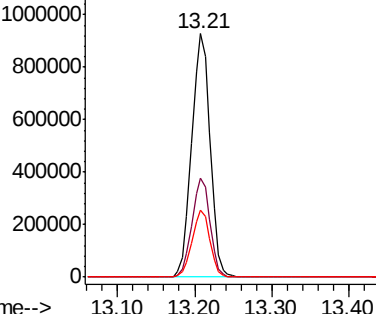


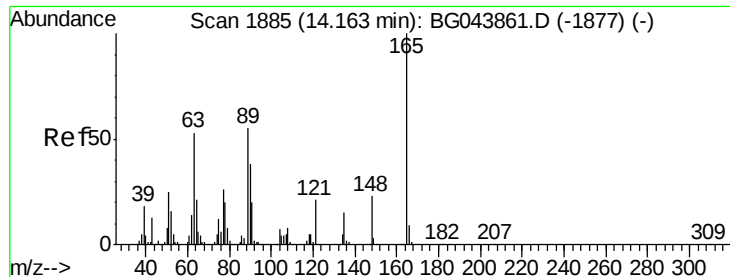
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.154 ng

RT: 14.58 min Scan# 1956

Delta R.T. 0.42 min

Lab File: BG043989.D

Acq: 9 Jan 2020 6:29

Instrument :

BNA_G

ClientSampleId :

225-230

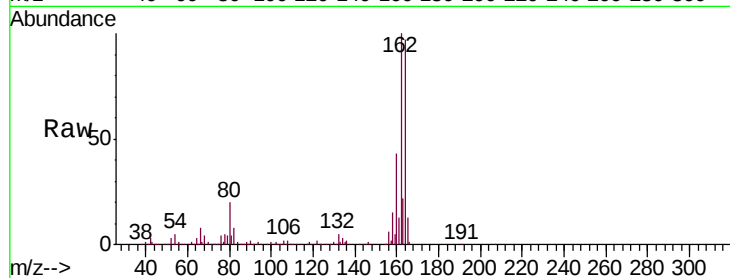
Tgt Ion:165 Resp: 39683

Ion Ratio Lower Upper

165 100

63 1.4 43.1 64.7#

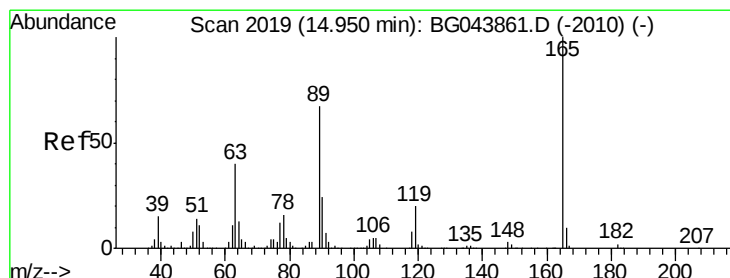
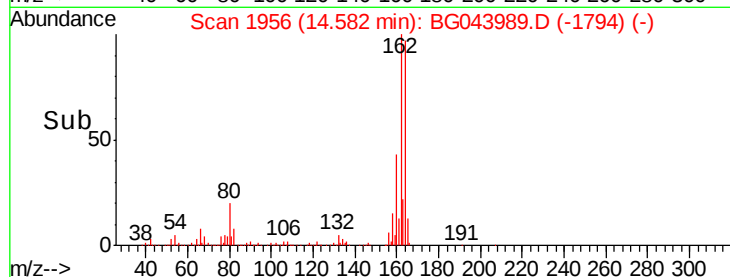
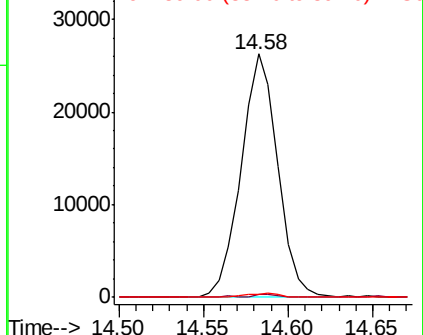
89 1.3 43.8 65.6#



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: 5.992 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.37 min

Lab File: BG043989.D

Acq: 9 Jan 2020 6:29

Tgt Ion:165 Resp: 39683

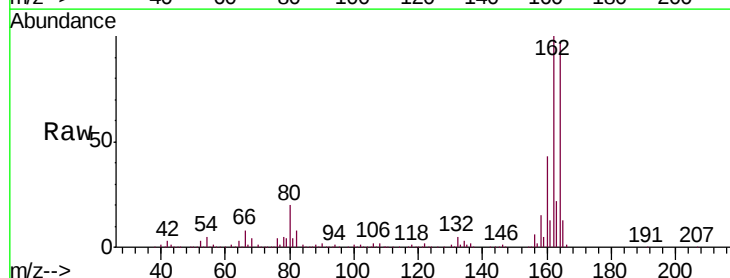
Ion Ratio Lower Upper

165 100

63 1.4 31.9 47.9#

89 1.3 53.8 80.6#

182 0.0 2.0 3.0#

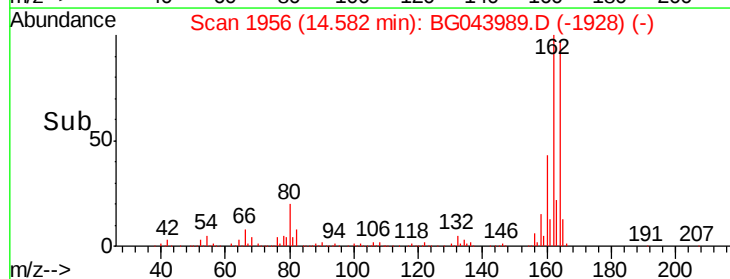
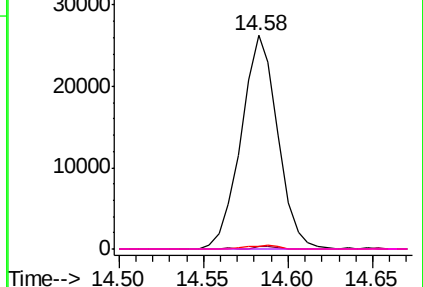


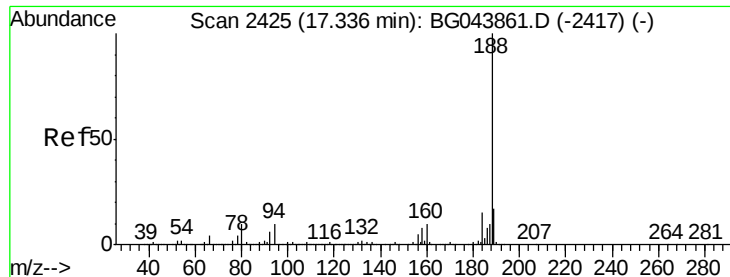
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.33 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG043989.D

Acq: 9 Jan 2020 6:29

Instrument :

BNA_G

ClientSampled :

225-230

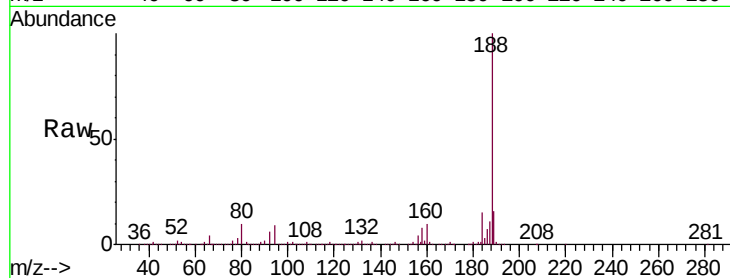
Tgt Ion:188 Resp: 664931

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

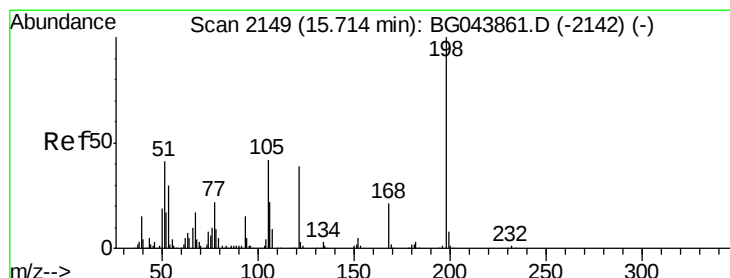
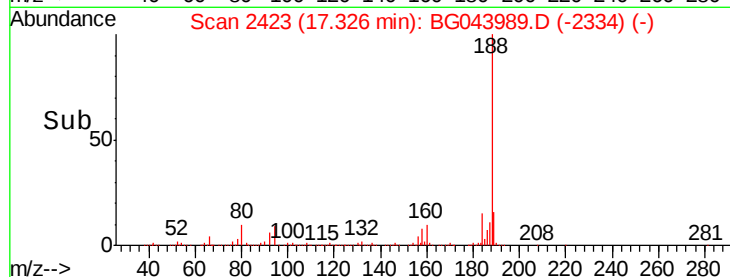
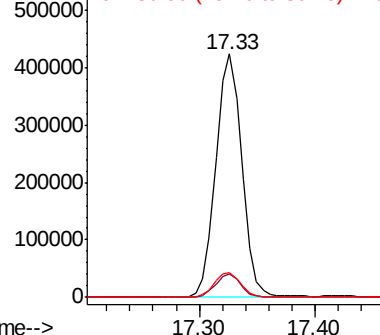
80 10.0 8.2 12.4



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: 4.894 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.36 min

Lab File: BG043989.D

Acq: 9 Jan 2020 6:29

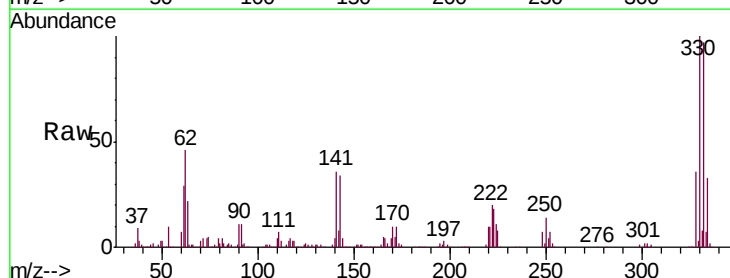
Tgt Ion:198 Resp: 1900

Ion Ratio Lower Upper

198 100

51 110.6 22.5 62.5#

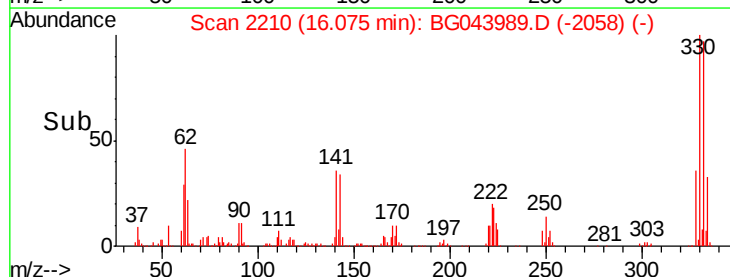
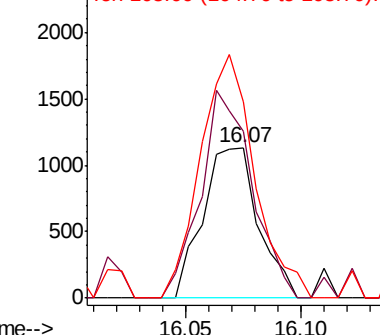
105 130.4 22.3 62.3#

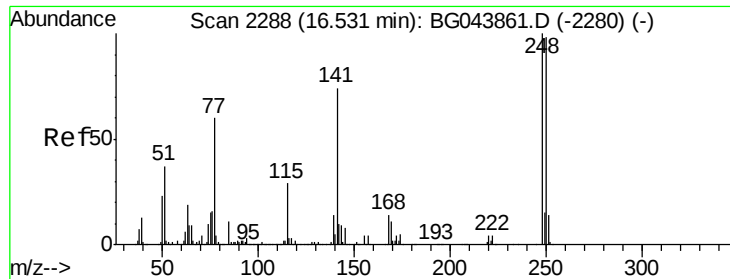


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

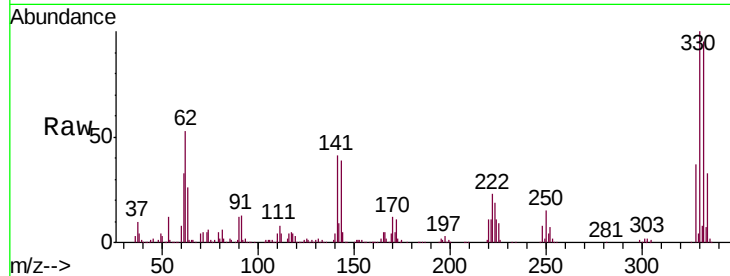




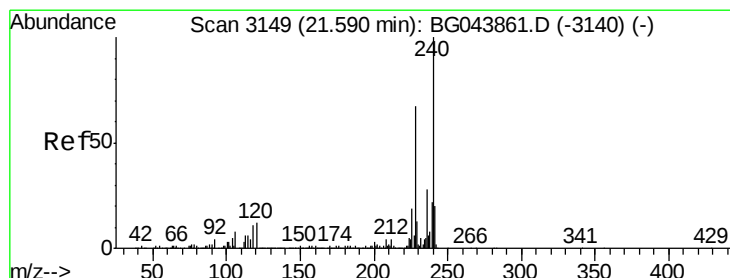
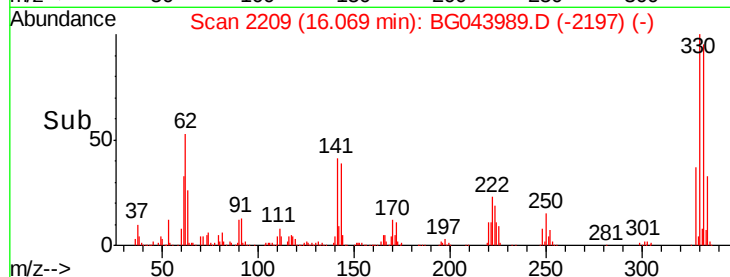
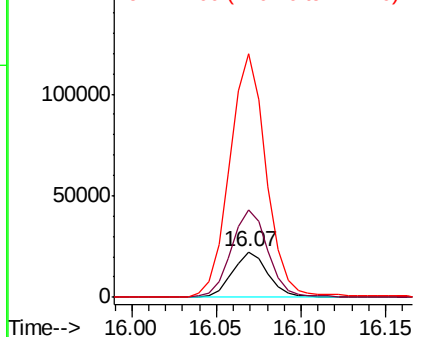
#67
4-Bromophenyl-phenylether
Concen: 4.390 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.46 min
Lab File: BG043989.D
Acq: 9 Jan 2020 6:29

Instrument :
BNA_G
ClientSampleId :
225-230

Tgt Ion:248 Resp: 32827
Ion Ratio Lower Upper
248 100
250 191.5 78.2 117.2#
141 534.7 59.3 88.9#

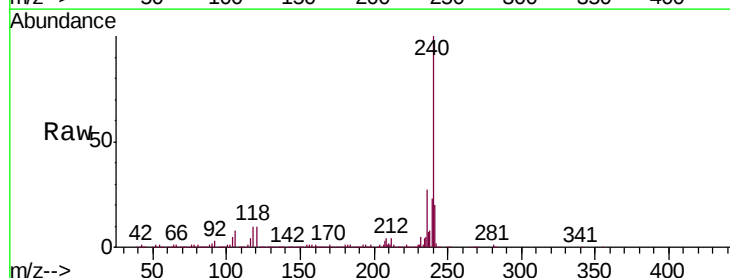


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

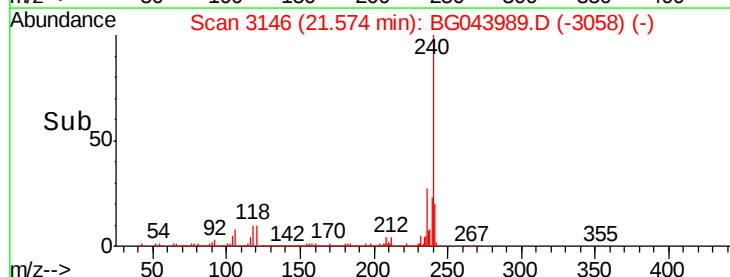
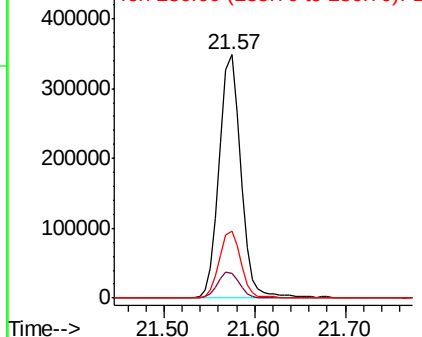


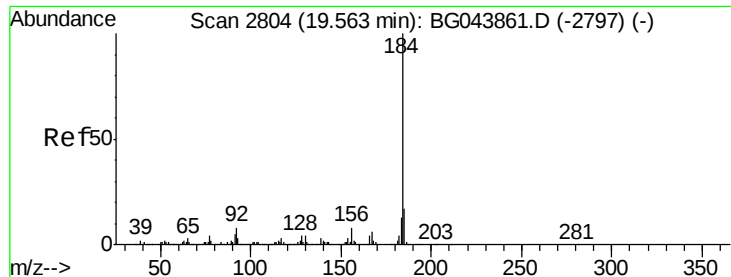
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3146
Delta R.T. -0.02 min
Lab File: BG043989.D
Acq: 9 Jan 2020 6:29

Tgt Ion:240 Resp: 583054
Ion Ratio Lower Upper
240 100
120 10.3 9.6 14.4
236 27.5 22.2 33.2



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





#77

Benzidine

Concen: 2.996 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.38 min

Lab File: BG043989.D

Acq: 9 Jan 2020 6:29

Instrument :

BNA_G

ClientSampleId :

225-230

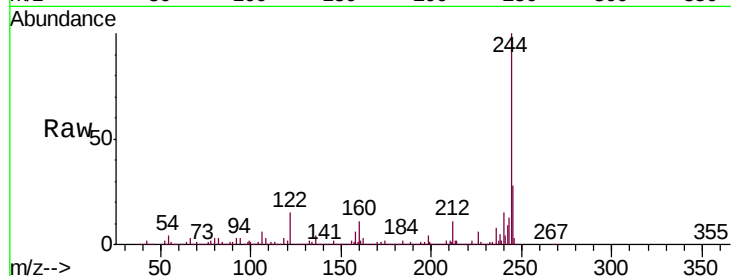
Tgt Ion:184 Resp: 43906

Ion Ratio Lower Upper

184 100

185 17.8 13.4 20.0

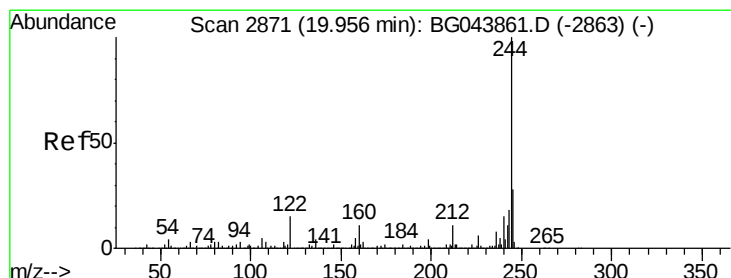
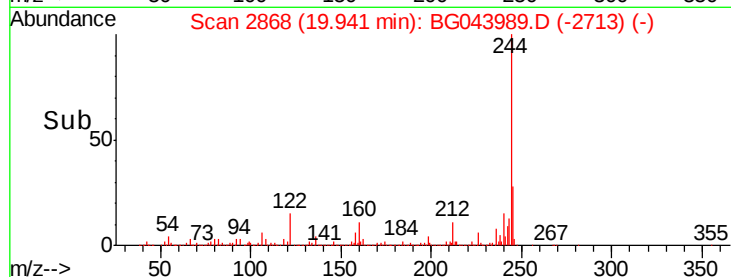
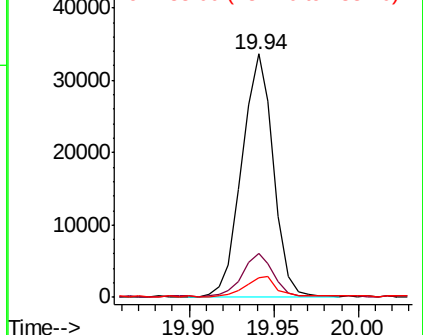
183 8.3 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 97.016 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG043989.D

Acq: 9 Jan 2020 6:29

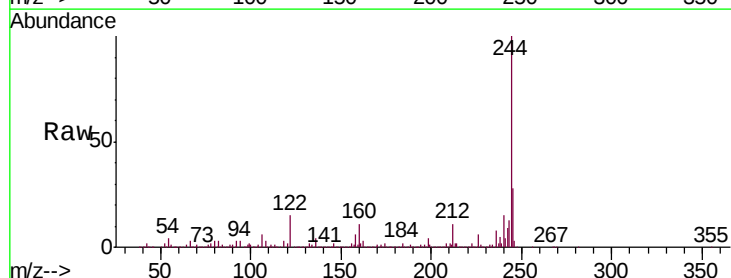
Tgt Ion:244 Resp: 2262432

Ion Ratio Lower Upper

244 100

212 10.9 8.6 13.0

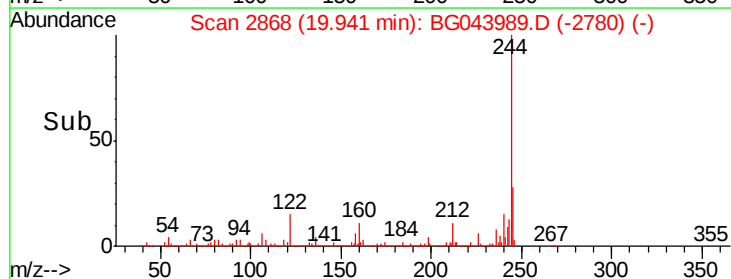
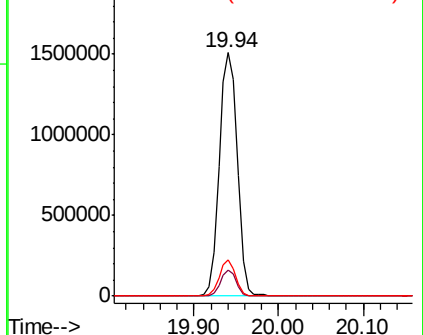
122 14.7 11.9 17.9

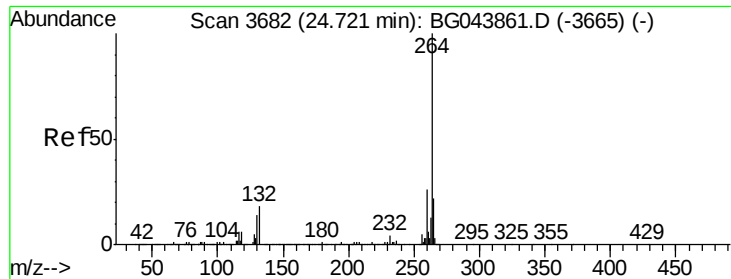


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.69 min Scan# 3676
Delta R.T. -0.03 min
Lab File: BG043989.D
Acq: 9 Jan 2020 6:29

Instrument :
BNA_G
ClientSampleId :
225-230

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.7	20.4	30.6
265	23.0	17.4	26.2

