

Data File : BG043977.D
Acq On : 8 Jan 2020 21:20
Operator : JU
Sample : L1048-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
REAR-PIER-A

Quant Time: Jan 09 06:14:52 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	119165	20.00	ng	-0.01
21) Naphthalene-d8	10.75	136	486947	20.00	ng	-0.02
39) Acenaphthene-d10	14.59	164	329388	20.00	ng	-0.01
64) Phenanthrene-d10	17.33	188	730517	20.00	ng	0.00
76) Chrysene-d12	21.57	240	621894	20.00	ng	-0.02
87) Perylene-d12	24.70	264	681544	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1492	0.23	ng	0.00
7) Phenol-d6	7.12	99	51629	5.69	ng	0.00
23) Nitrobenzene-d5	9.11	82	298076	32.75	ng	-0.02
42) 2,4,6-Tribromophenol	16.09	330	424	0.12	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	741003	40.76	ng	-0.02
79) Terphenyl-d14	19.94	244	1167814	37.05	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	38019	5.627	ng	# 77
51) 2,6-Dinitrotoluene	14.59	165	41607	7.871	ng	# 27
54) 2,4-Dinitrophenol	14.52	184	59	5.503	ng	# 20
57) 2,4-Dinitrotoluene	14.59	165	41607	5.784	ng	# 27

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

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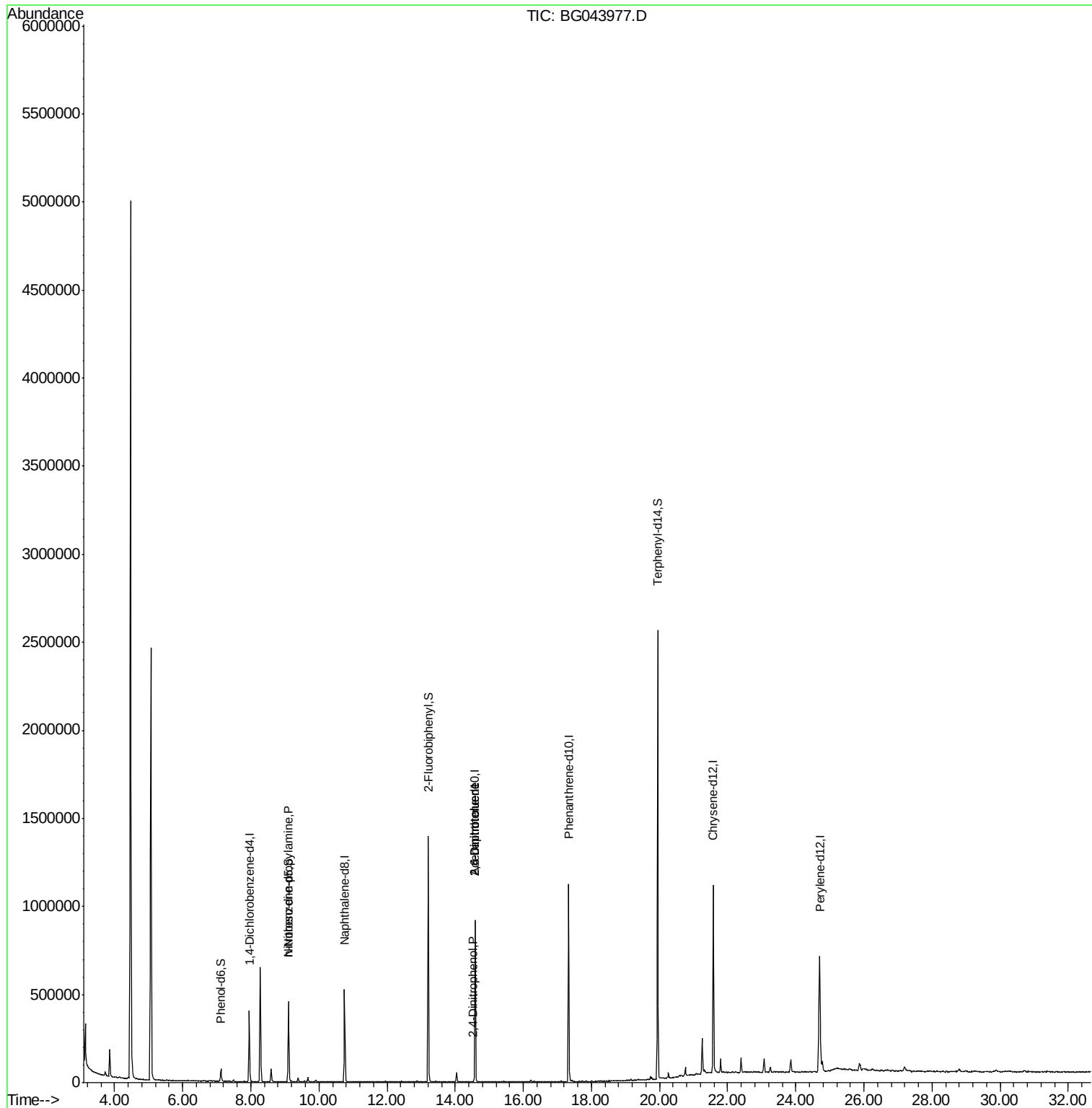
Quant Time: Jan 09 06:14:52 2020

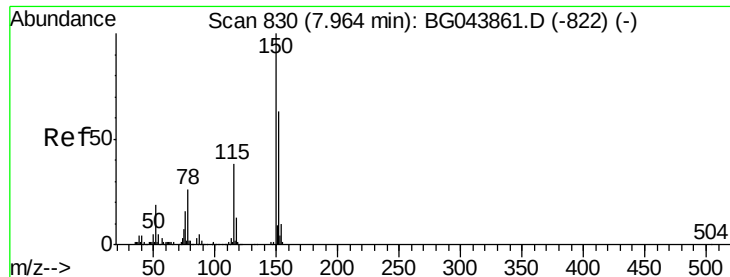
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Dec 31 13:32:23 2019

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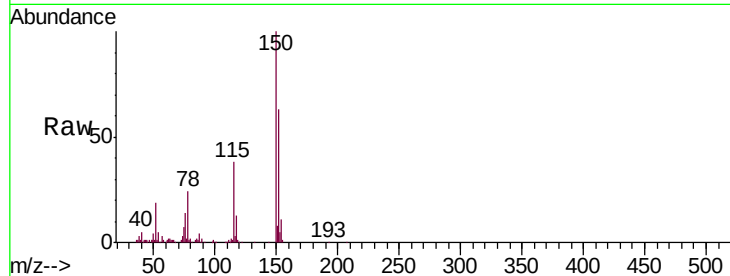


#1

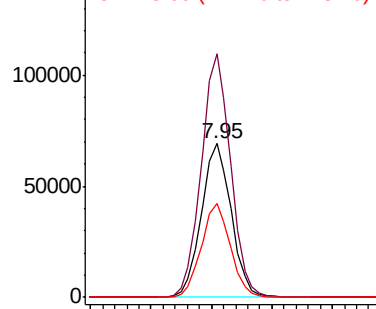
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG043977.D
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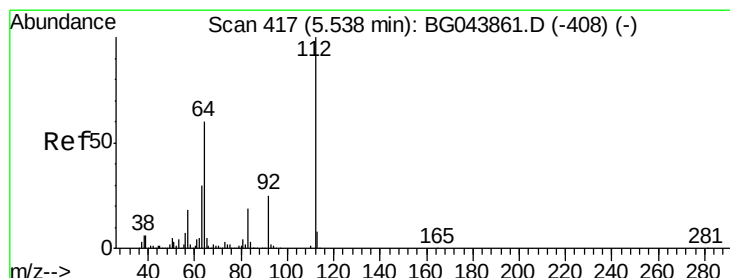
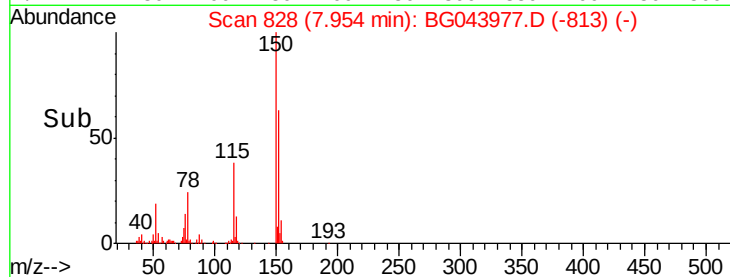
Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.6	127.0	190.4
115	60.8	47.8	71.8



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



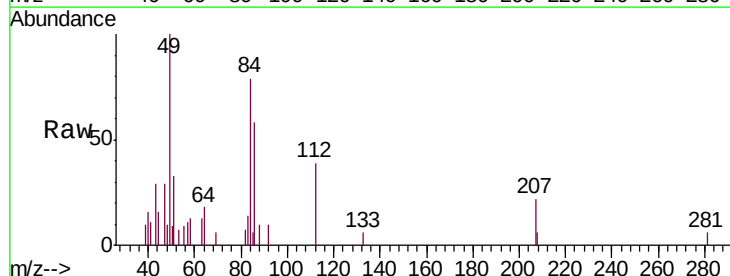
Time-->



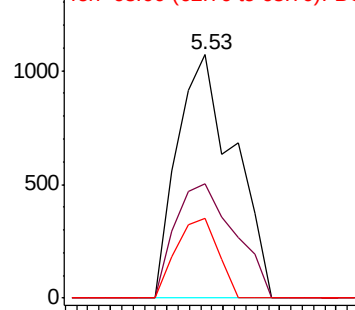
#5

2-Fluorophenol
Concen: 0.230 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG043977.D
Acq: 8 Jan 2020 21:20

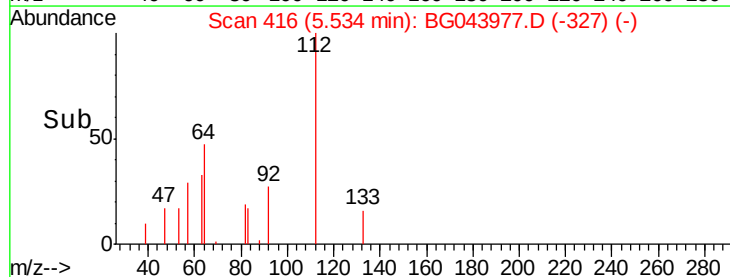
Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.9	47.8	71.6#
63	32.8	24.3	36.5

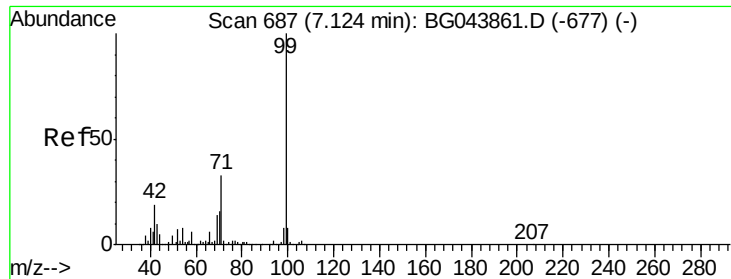


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG



Time-->





#7

Phenol-d6

Concen: 5.691 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG043977.D

Acq: 8 Jan 2020 21:20

Instrument :

BNA_G

ClientSampleId :

REAR-PIER-A

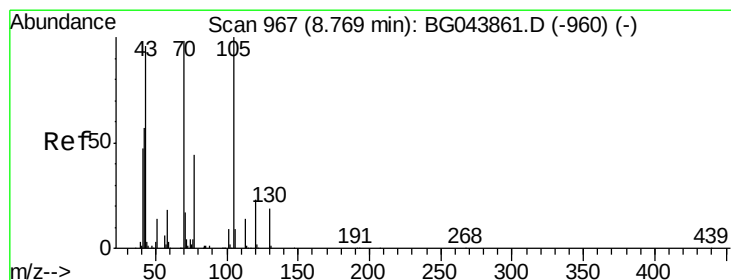
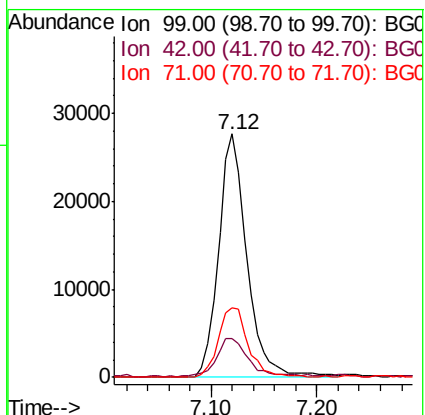
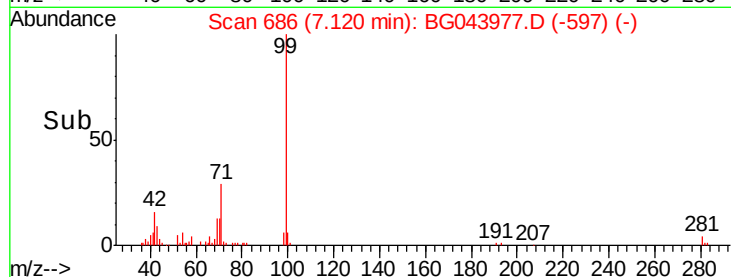
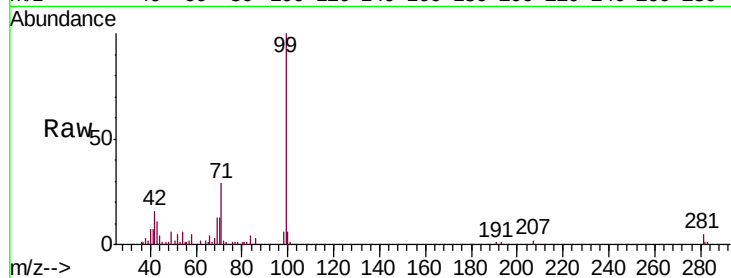
Tgt Ion: 99 Resp: 51629

Ion Ratio Lower Upper

99 100

42 16.2 14.9 22.3

71 28.7 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 5.627 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.34 min

Lab File: BG043977.D

Acq: 8 Jan 2020 21:20

Tgt Ion: 70 Resp: 38019

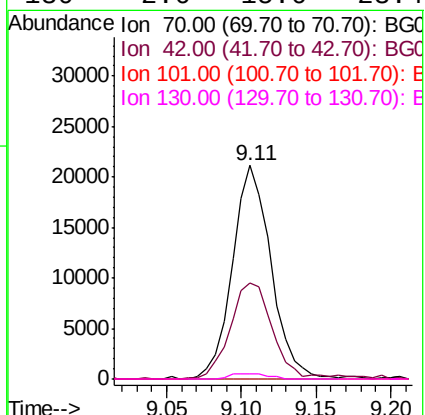
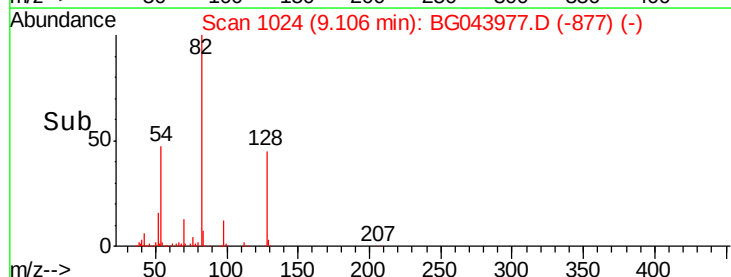
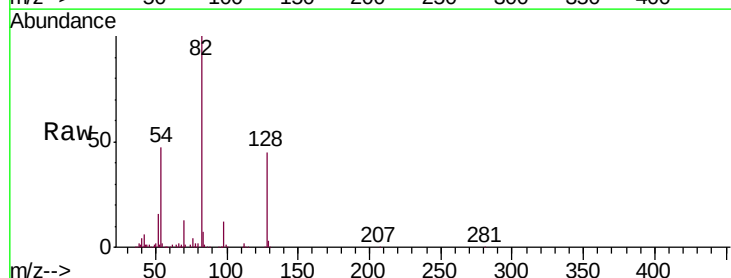
Ion Ratio Lower Upper

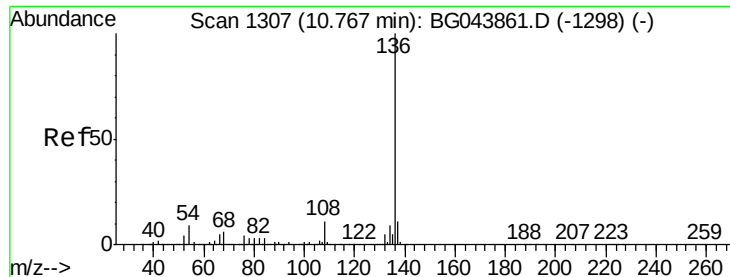
70 100

42 45.0 47.0 70.4#

101 0.0 7.2 10.8#

130 2.6 15.6 23.4#

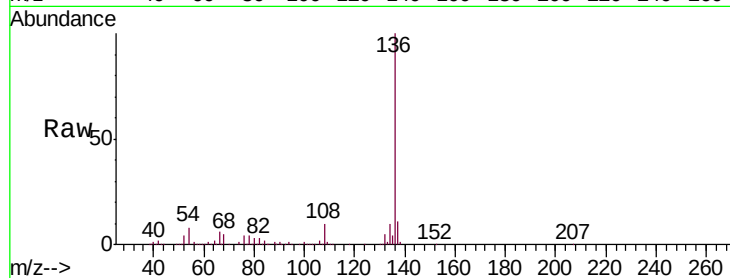




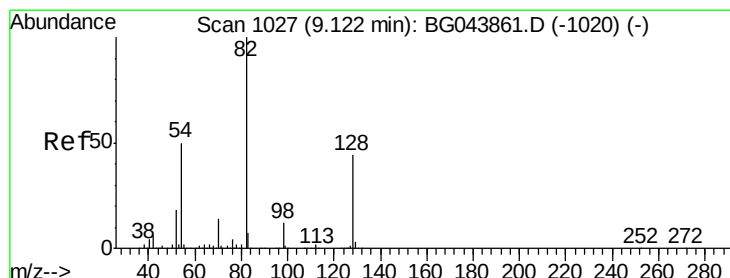
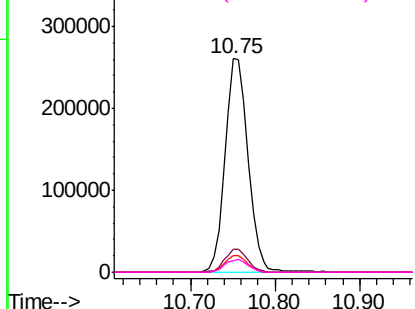
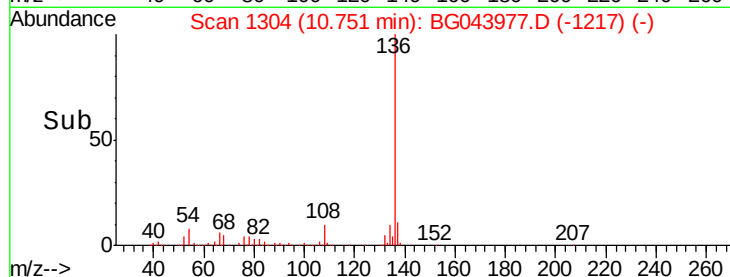
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG043977.D
Acq: 8 Jan 2020 21:20

Instrument :
BNA_G
ClientSampleId :
REAR-PIER-A

Tgt Ion:	136	Resp:	486947
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.9	7.0	10.4
68	5.4	4.9	7.3

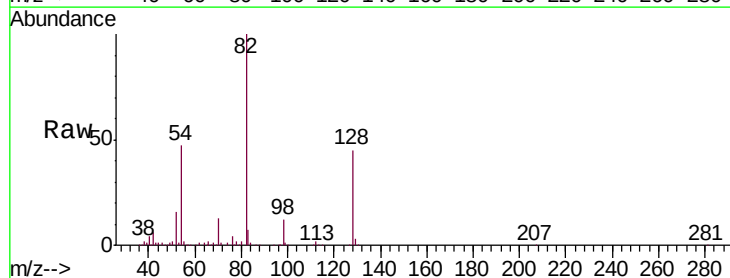


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

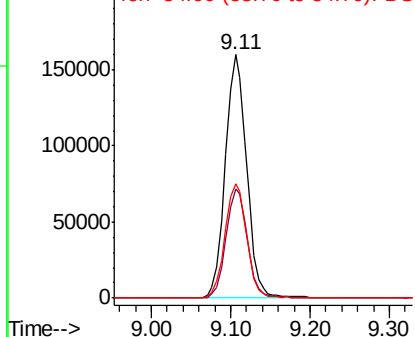
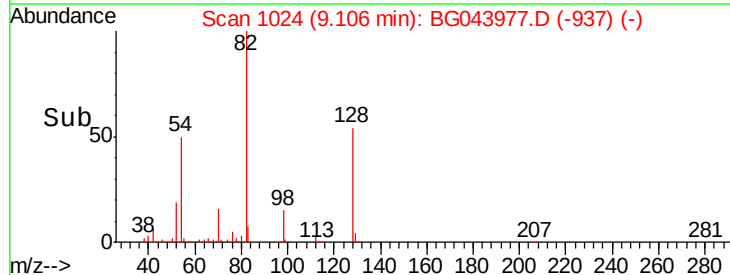


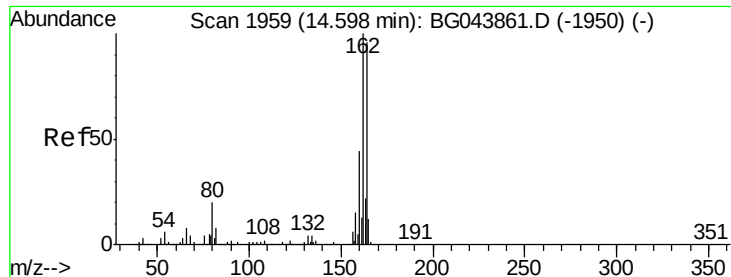
#23
Nitrobenzene-d5
Concen: 32.747 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG043977.D
Acq: 8 Jan 2020 21:20

Tgt Ion:	82	Resp:	298076
Ion	Ratio	Lower	Upper
82	100		
128	45.0	35.1	52.7
54	47.1	40.1	60.1



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG043977.D

Acq: 8 Jan 2020 21:20

Instrument :

BNA_G

ClientSampleId :

REAR-PIER-A

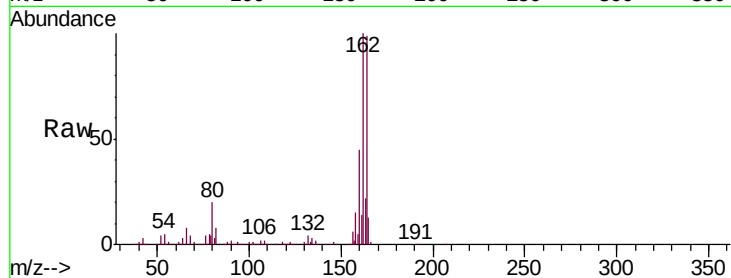
Tgt Ion:164 Resp: 329388

Ion Ratio Lower Upper

164 100

162 100.6 83.0 124.4

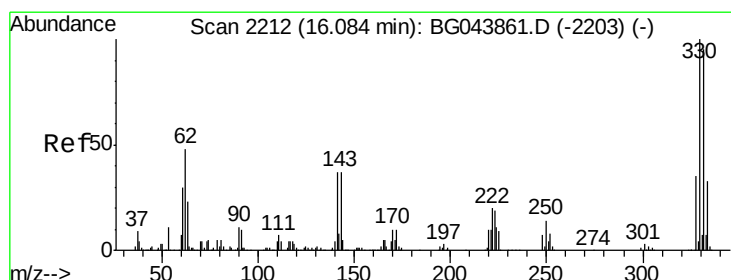
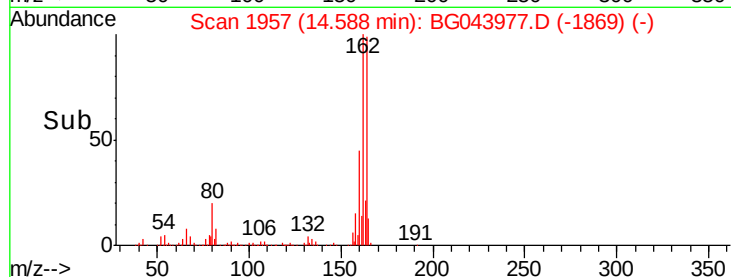
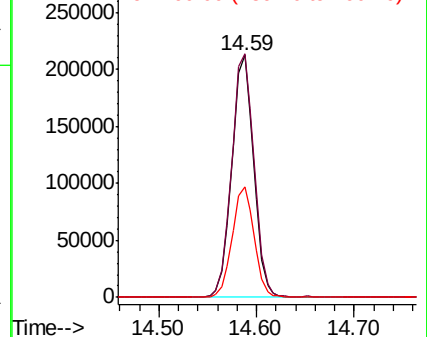
160 45.6 36.1 54.1



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: 0.123 ng

RT: 16.09 min Scan# 2212

Delta R.T. 0.00 min

Lab File: BG043977.D

Acq: 8 Jan 2020 21:20

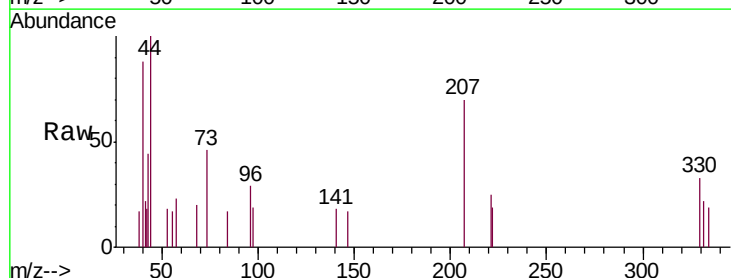
Tgt Ion:330 Resp: 424

Ion Ratio Lower Upper

330 100

332 84.9 77.2 115.8

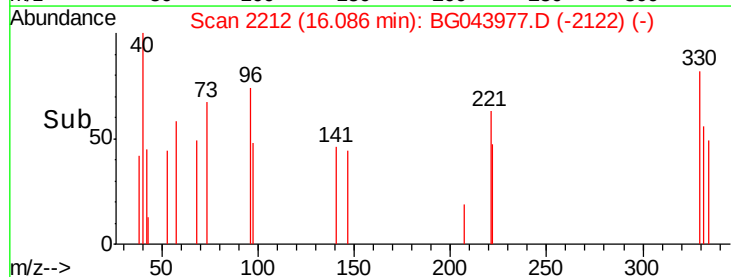
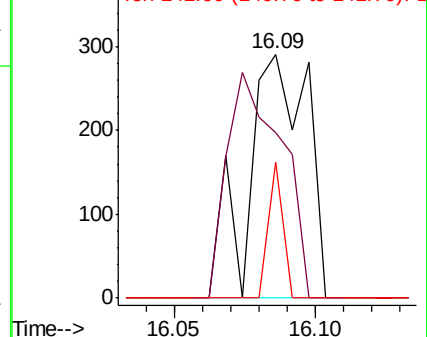
141 13.4 33.1 49.7#

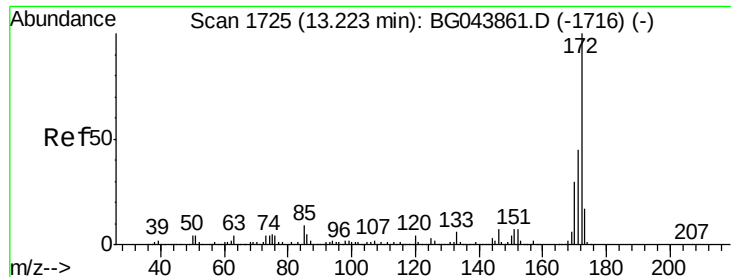


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

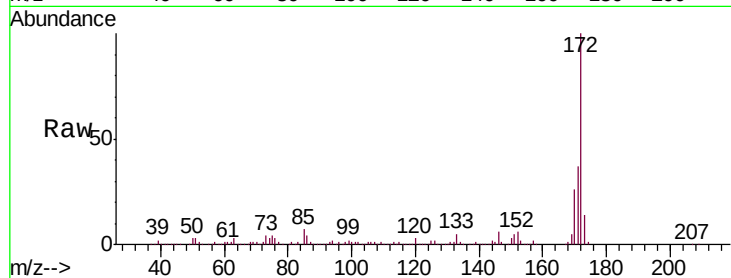




#45
 2-Fluorobiphenyl
 Concen: 40.758 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BG043977.D
 Acq: 8 Jan 2020 21:20

Instrument :
 BNA_G
 ClientSampleId :
 REAR-PIER-A

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	35.8	53.8
170	26.1	24.2	36.4

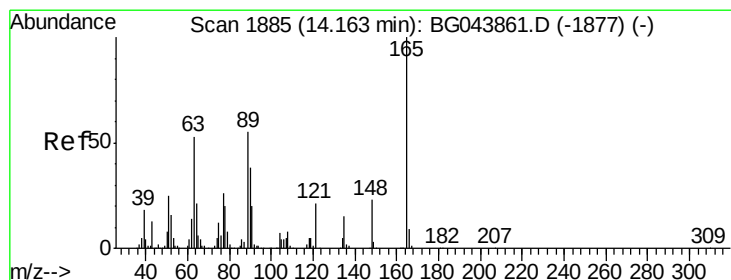
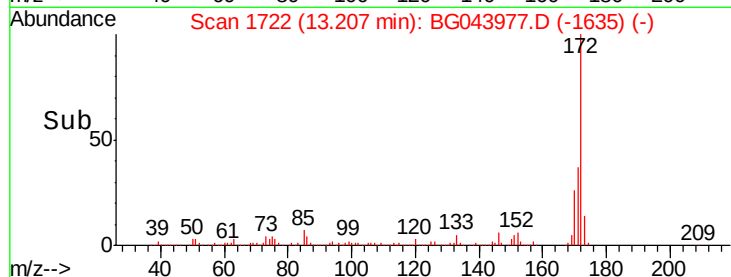
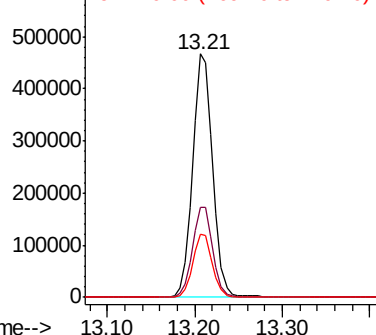


Abundance

Ion 172.00 (171.70 to 172.70): E

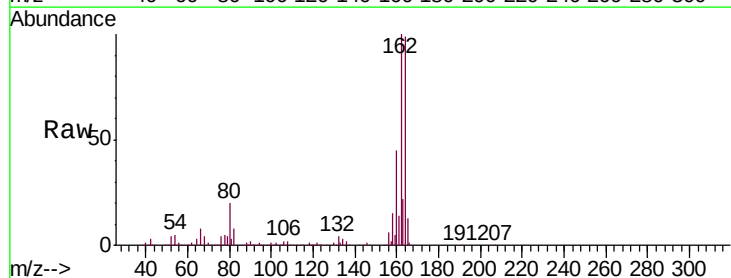
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
 2,6-Dinitrotoluene
 Concen: 7.871 ng
 RT: 14.59 min Scan# 1957
 Delta R.T. 0.42 min
 Lab File: BG043977.D
 Acq: 8 Jan 2020 21:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	43.1	64.7#
89	1.5	43.8	65.6#

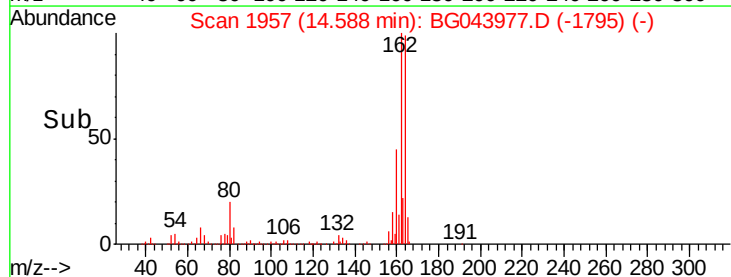
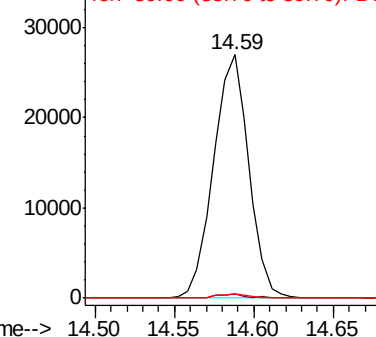


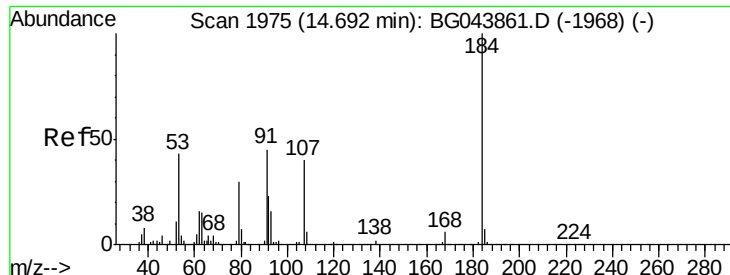
Abundance

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





#54

2,4-Dinitrophenol

Concen: 5.503 ng

RT: 14.52 min Scan# 1946

Delta R.T. -0.17 min

Lab File: BG043977.D

Acq: 8 Jan 2020 21:20

Instrument :

BNA_G

ClientSampleId :

REAR-PIER-A

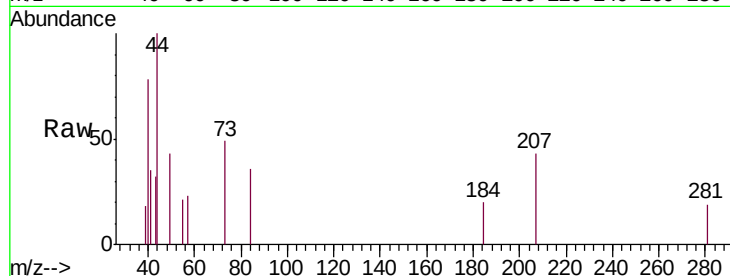
Tgt Ion:184 Resp: 59

Ion Ratio Lower Upper

184 100

63 0.0 46.6 70.0#

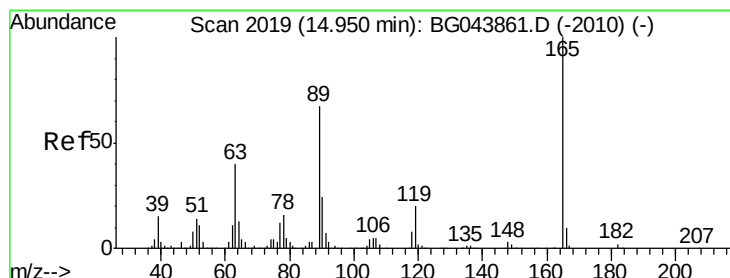
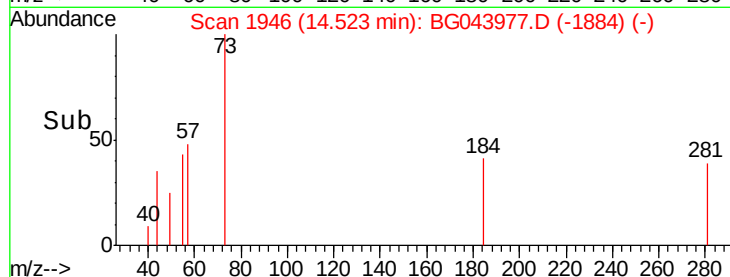
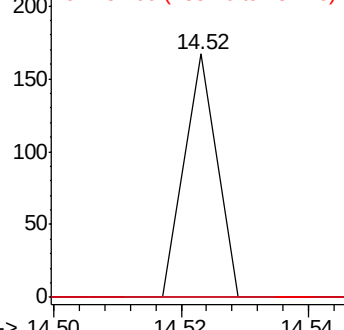
154 0.0 50.2 75.4#



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: 5.784 ng

RT: 14.59 min Scan# 1957

Delta R.T. -0.36 min

Lab File: BG043977.D

Acq: 8 Jan 2020 21:20

Tgt Ion:165 Resp: 41607

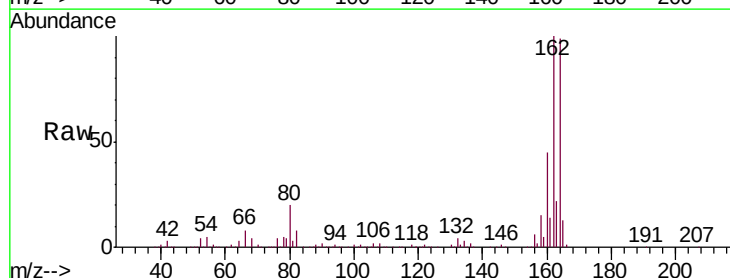
Ion Ratio Lower Upper

165 100

63 1.6 31.9 47.9#

89 1.5 53.8 80.6#

182 0.0 2.0 3.0#

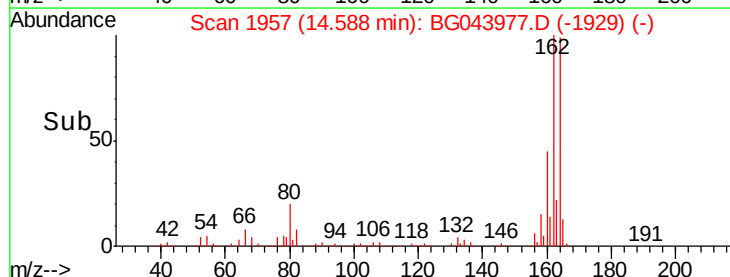
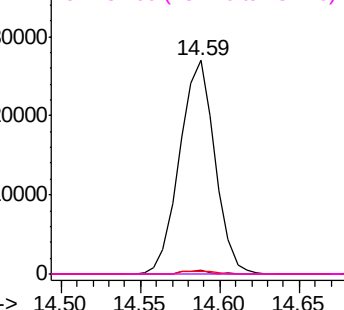


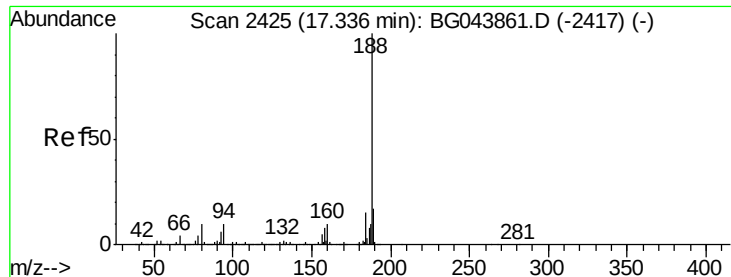
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2424

Delta R.T. -0.00 min

Lab File: BG043977.D

Acq: 8 Jan 2020 21:20

Instrument :

BNA_G

ClientSampleId :

REAR-PIER-A

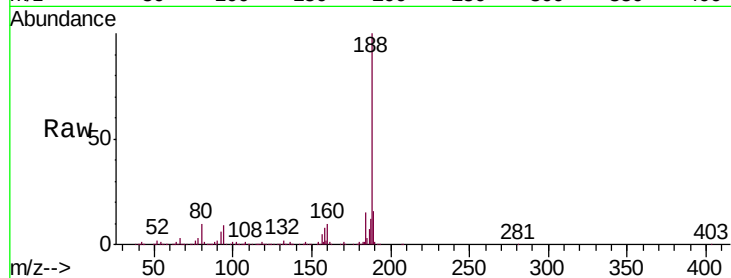
Tgt Ion:188 Resp: 730517

Ion Ratio Lower Upper

188 100

94 9.2 7.9 11.9

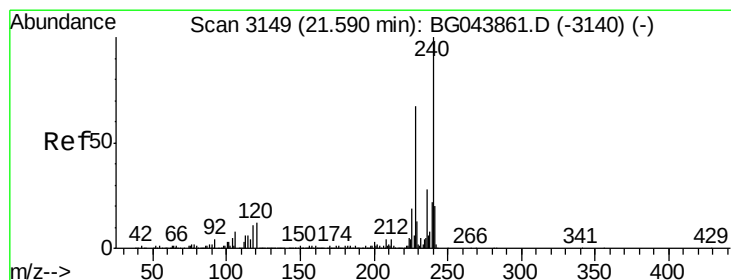
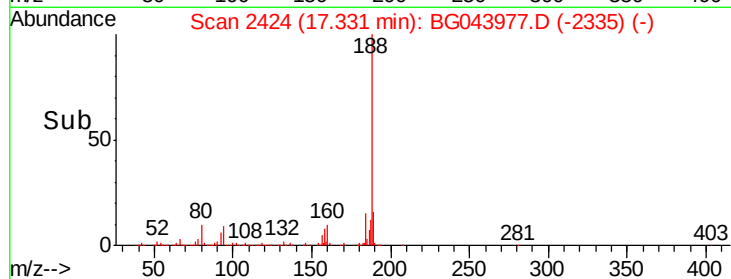
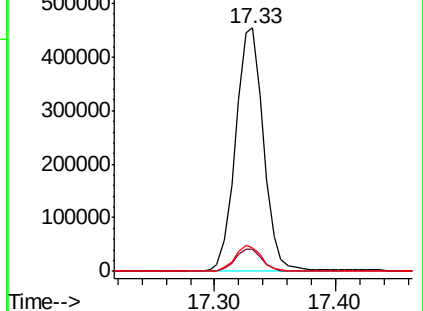
80 9.7 8.2 12.4



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.02 min

Lab File: BG043977.D

Acq: 8 Jan 2020 21:20

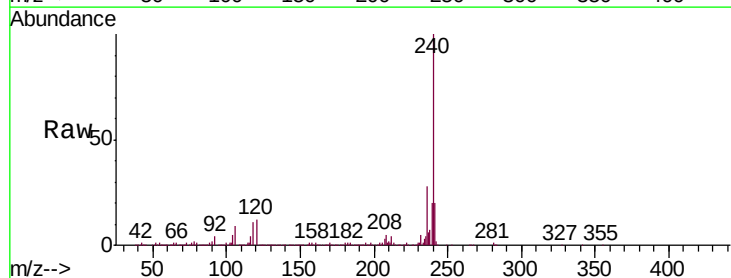
Tgt Ion:240 Resp: 621894

Ion Ratio Lower Upper

240 100

120 12.3 9.6 14.4

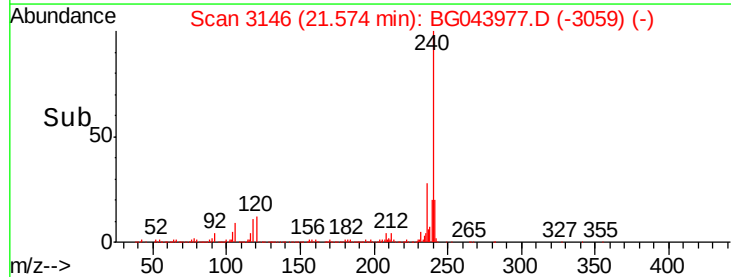
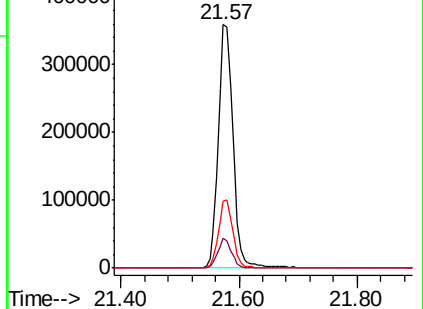
236 27.7 22.2 33.2

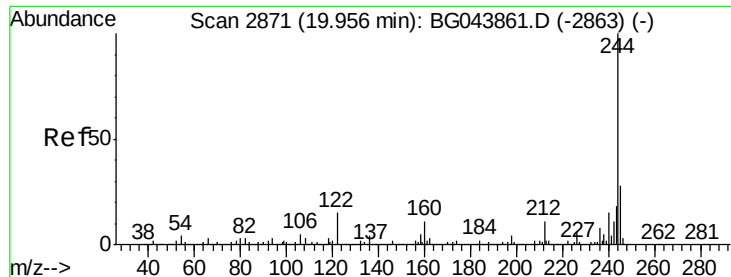


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 37.055 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG043977.D

Acq: 8 Jan 2020 21:20

Instrument :

BNA_G

ClientSampleId :

REAR-PIER-A

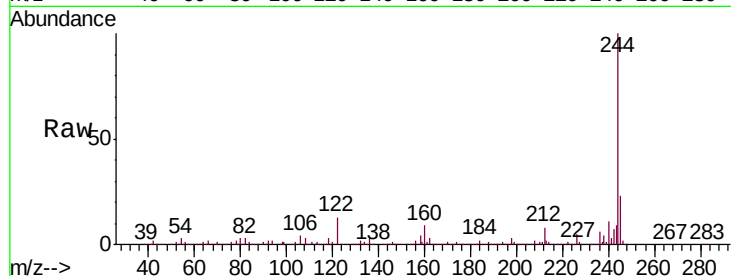
Tgt Ion:244 Resp: 1167814

Ion Ratio Lower Upper

244 100

212 8.3 8.6 13.0#

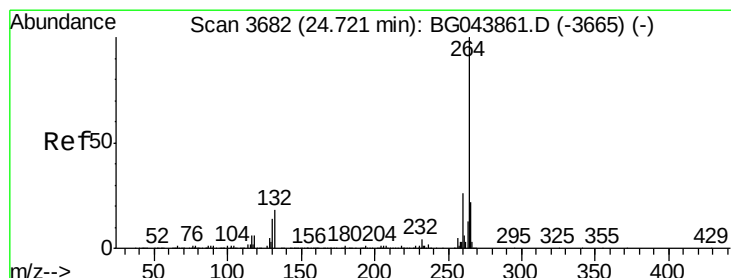
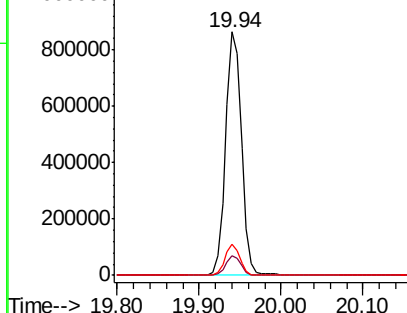
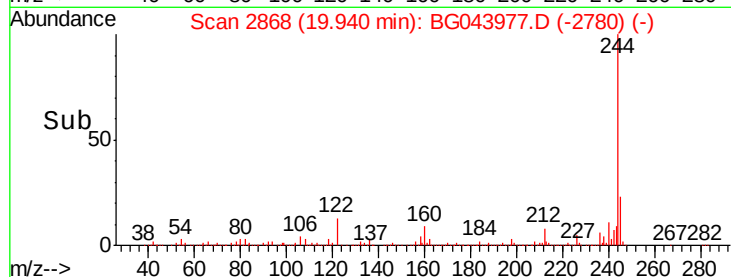
122 12.6 11.9 17.9



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: 24.70 min Scan# 3678

Delta R.T. -0.02 min

Lab File: BG043977.D

Acq: 8 Jan 2020 21:20

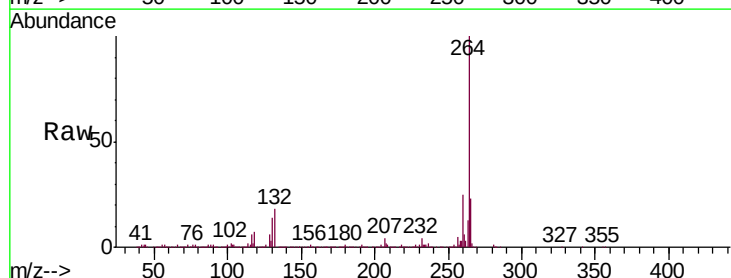
Tgt Ion:264 Resp: 681544

Ion Ratio Lower Upper

264 100

260 24.6 20.4 30.6

265 22.5 17.4 26.2



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

