

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090120\
 Data File : BG046485.D
 Acq On : 1 Sep 2020 14:58
 Operator : CG/JU
 Sample : PB131322BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB131322BL

Quant Time: Sep 01 17:08:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 31 16:05:33 2020
 Response via : Initial Calibration

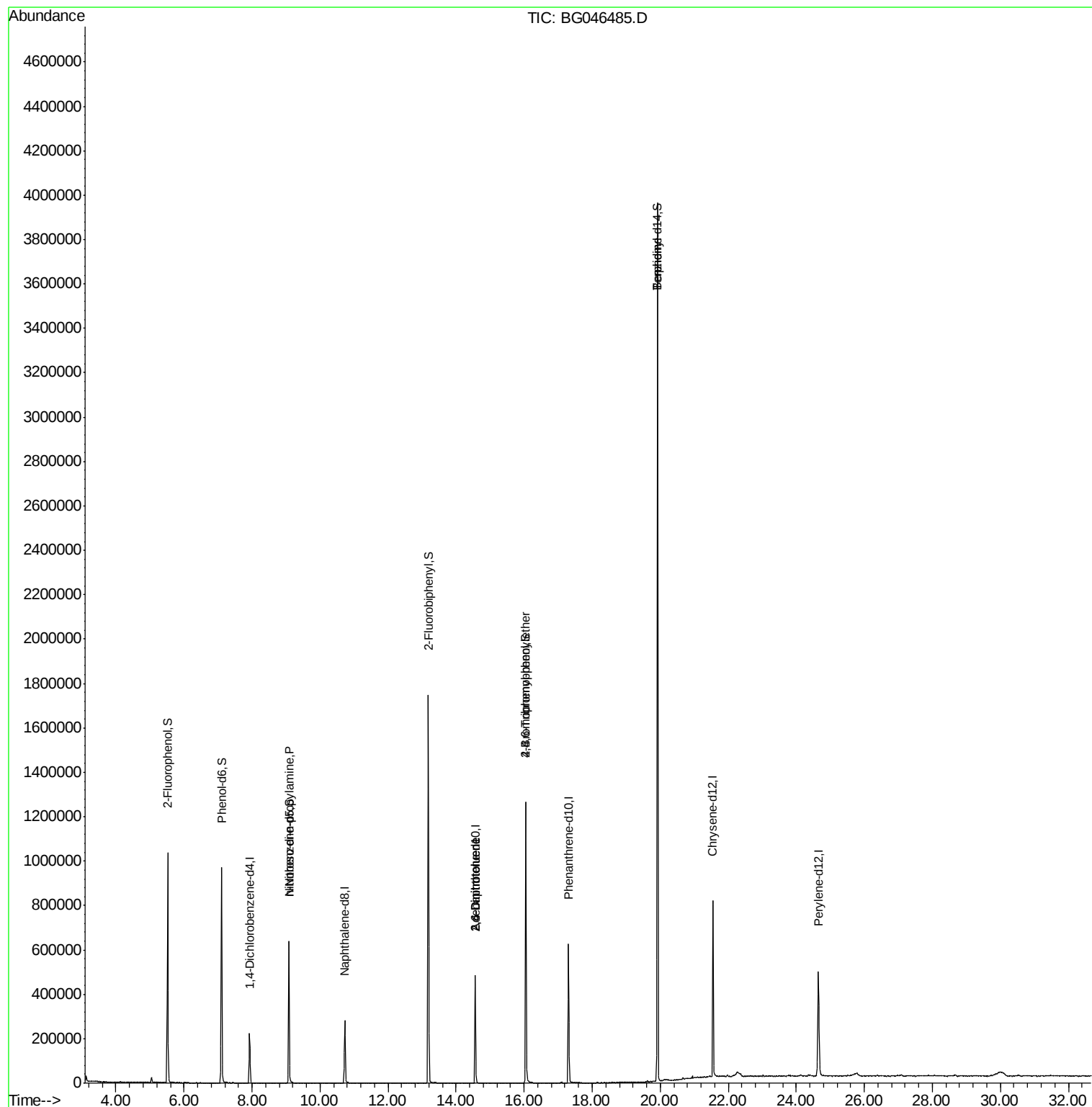
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	71547	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	275427	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	177629	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	430168	20.00	ng	0.00
76) Chrysene-d12	21.55	240	508618	20.00	ng	0.00
86) Perylene-d12	24.65	264	509646	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	491178	121.59	ng	0.00
7) Phenol-d6	7.11	99	621329	108.50	ng	0.00
23) Nitrobenzene-d5	9.09	82	407075	84.47	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	266347	110.67	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	1026143	88.19	ng	0.00
79) Terphenyl-d14	19.92	244	1745815	73.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	51671	15.085	ng	# 76
51) 2,6-Dinitrotoluene	14.56	165	23110	7.629	ng	# 32
57) 2,4-Dinitrotoluene	14.56	165	23110	5.350	ng	# 32
67) 4-Bromophenyl-phenylether	16.05	248	20448	4.074	ng	# 1
77) Benzidine	19.92	184	25890	2.191	ng	# 95

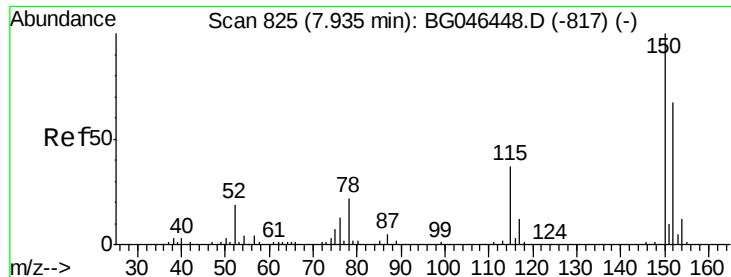
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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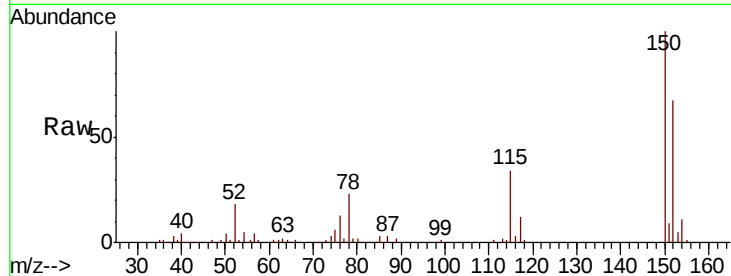


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046485.D
Acq: 1 Sep 2020 14:58

Instrument :
BNA_G
ClientSampleId :
PB131322BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	119.5	179.3
115	51.1	44.3	66.5

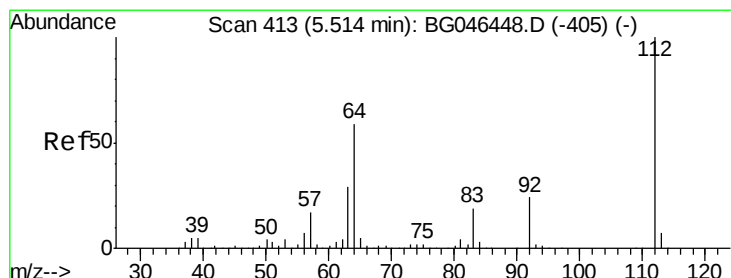
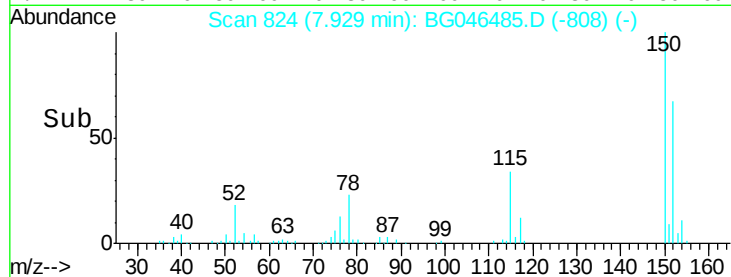
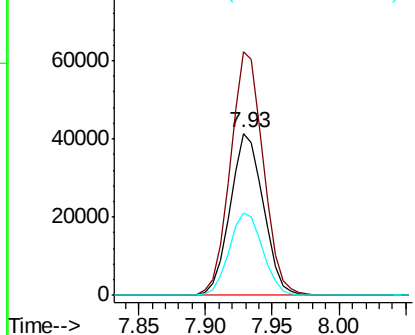


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

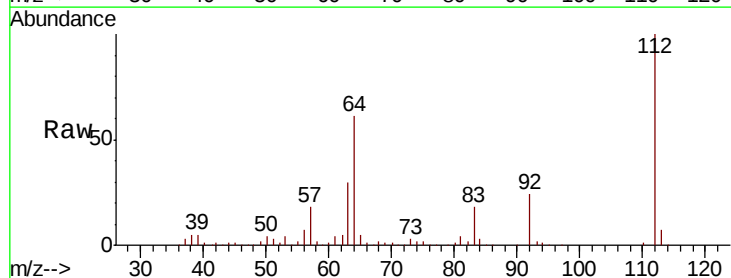
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 121.594 ng
RT: 5.52 min Scan# 414
Delta R.T. 0.01 min
Lab File: BG046485.D
Acq: 1 Sep 2020 14:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.0	70.6
63	29.7	23.5	35.3

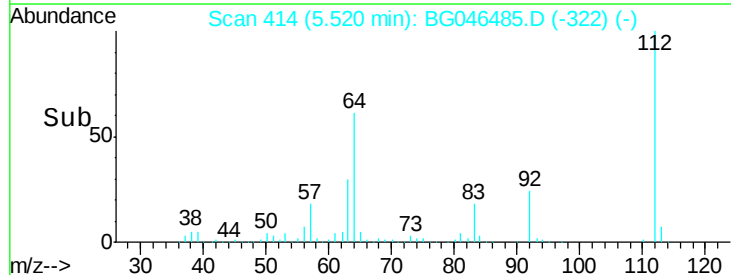
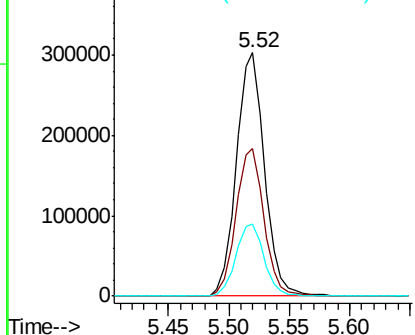


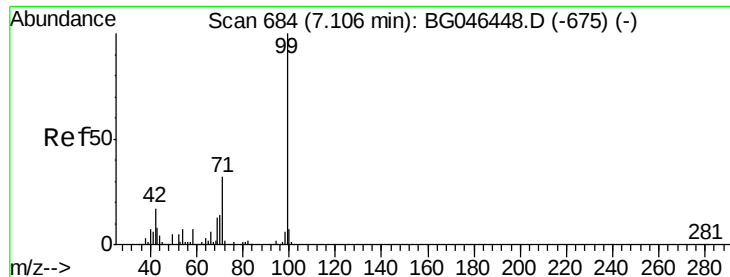
Abundance

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: 108.502 ng

RT: 7.11 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG046485.D

Acq: 1 Sep 2020 14:58

Instrument :

BNA_G

ClientSampleId :

PB131322BL

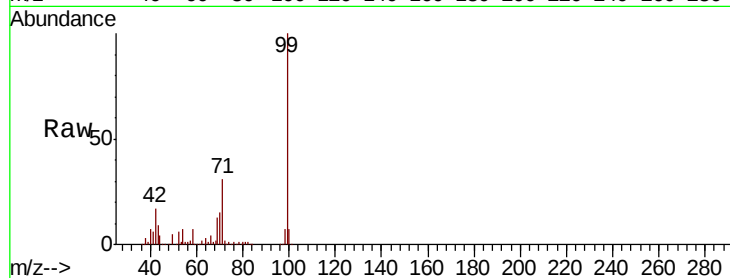
Tot Ion: 99 Resp: 621329

Ion Ratio Lower Upper

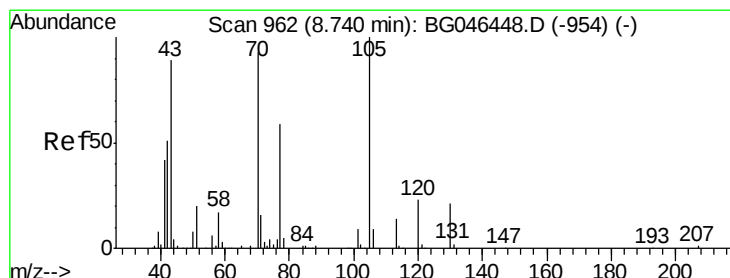
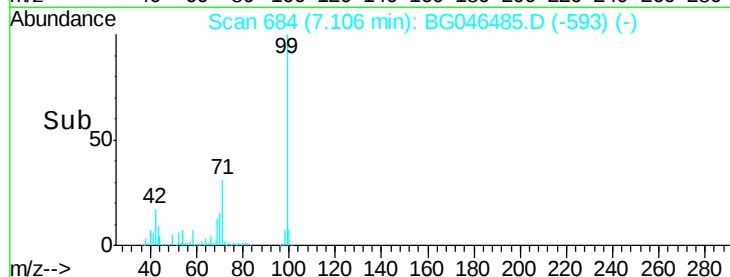
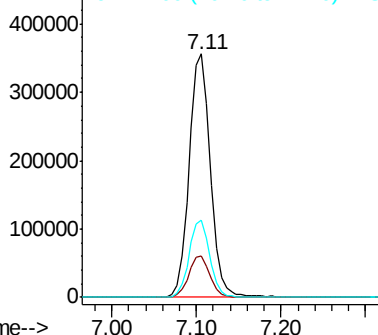
99 100

42 16.9 13.3 19.9

71 31.5 25.3 37.9



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: 15.085 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.35 min

Lab File: BG046485.D

Acq: 1 Sep 2020 14:58

Tgt Ion: 70 Resp: 51671

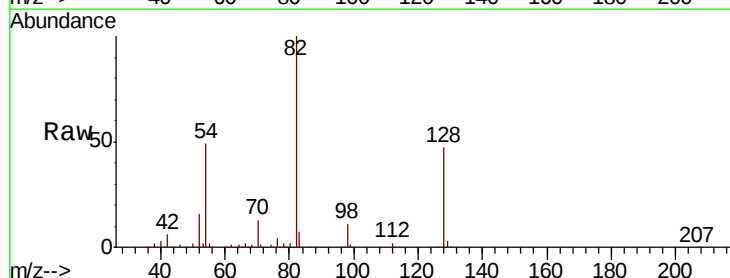
Ion Ratio Lower Upper

70 100

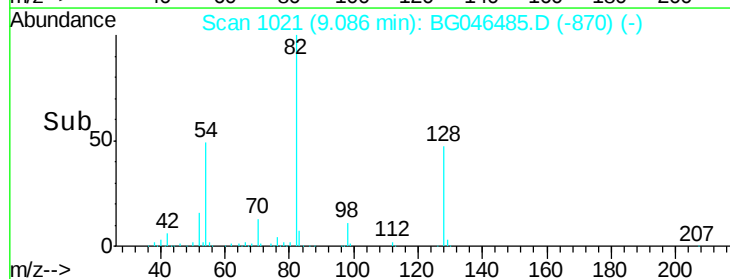
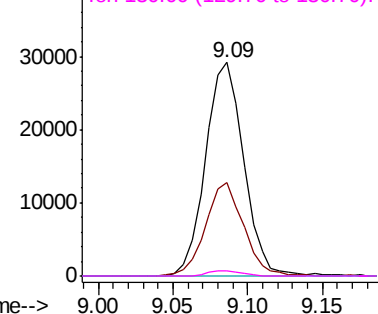
42 43.5 44.2 66.2#

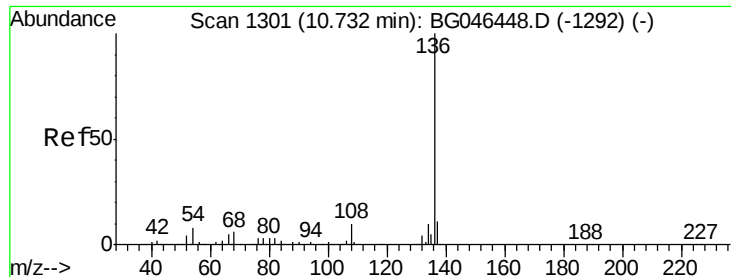
101 0.0 7.8 11.8#

130 2.4 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

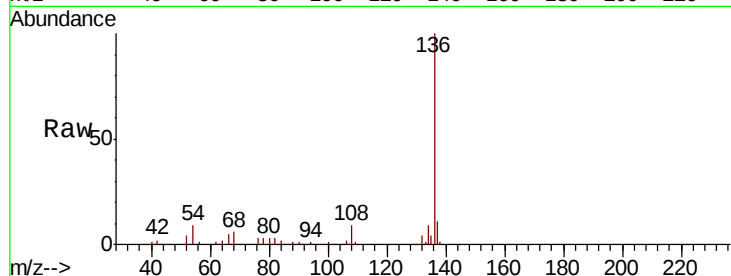




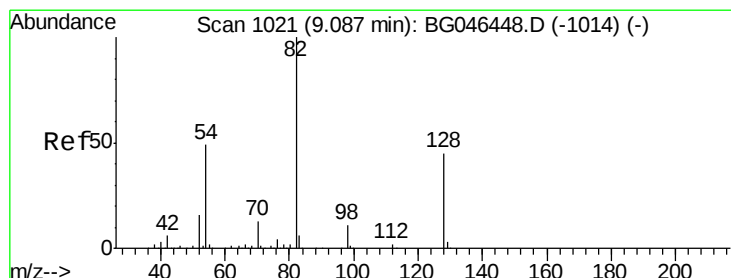
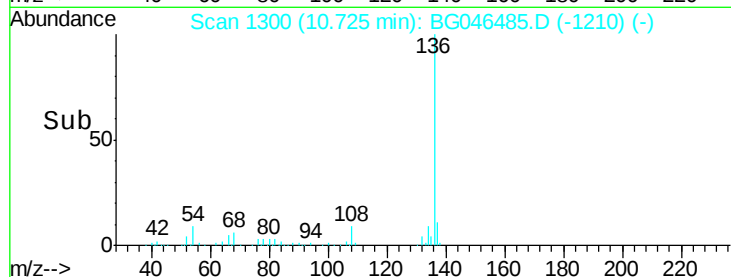
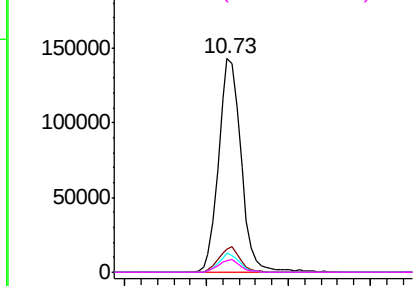
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG046485.D
Acq: 1 Sep 2020 14:58

Instrument :
BNA_G
ClientSampleId :
PB131322BL

Tot Ion:136	Resp:	275427
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.8	13.2
54 8.7	6.1	9.1
68 5.7	4.8	7.2

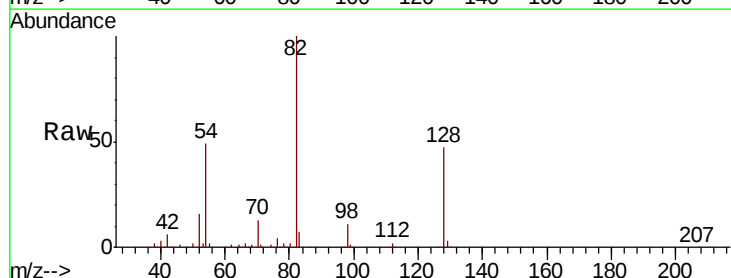


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

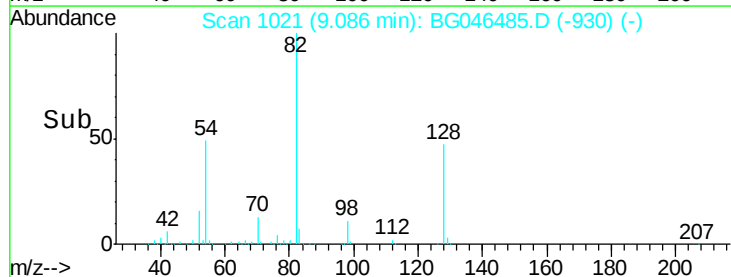
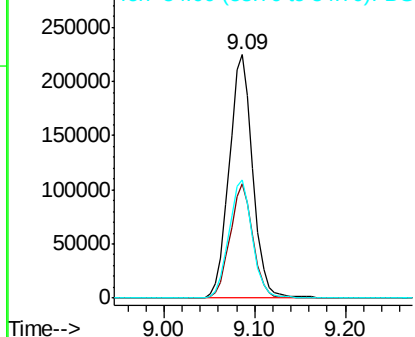


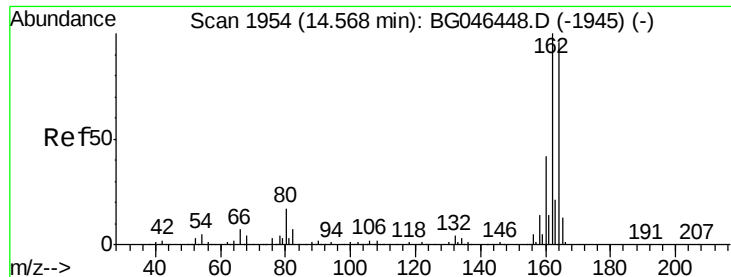
#23
Nitrobenzene-d5
Concen: 84.474 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BG046485.D
Acq: 1 Sep 2020 14:58

Tgt	Ion: 82	Resp:	407075
Ion	Ratio	Lower	Upper
82	100		
128	47.1	35.7	53.5
54	48.5	39.4	59.0



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: 14.56 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BG046485.D

Acq: 1 Sep 2020 14:58

Instrument :

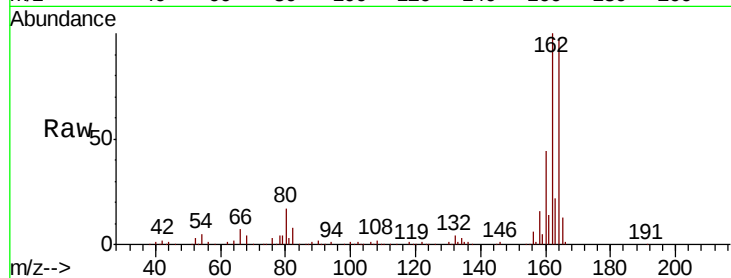
BNA_G

ClientSampleId :

PB131322BL

Tot Ion:164 Resp: 177629

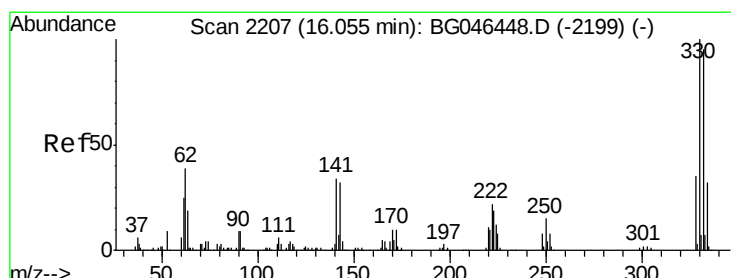
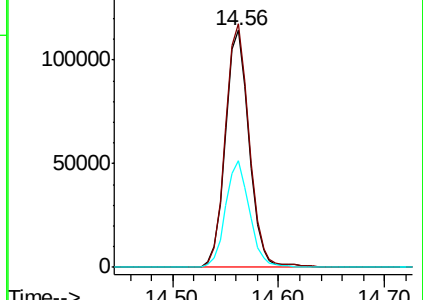
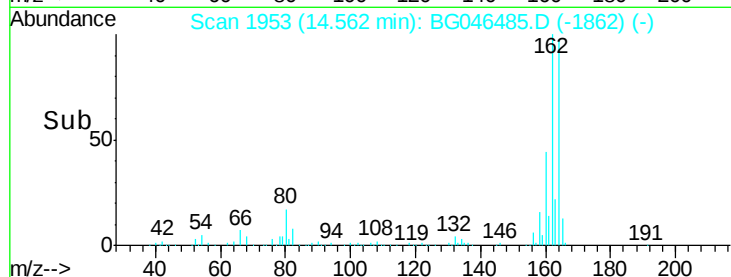
Ion	Ratio	Lower	Upper
164	100		
162	102.8	83.3	124.9
160	45.1	35.0	52.6



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: 110.667 ng

RT: 16.05 min Scan# 2206

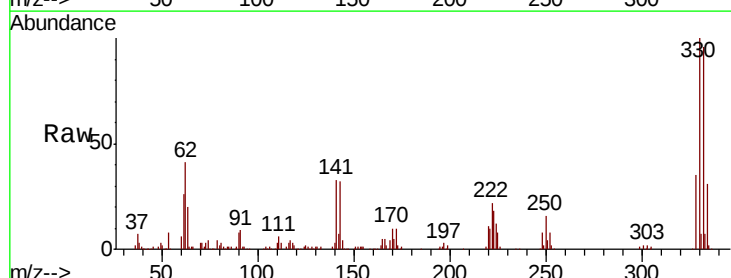
Delta R.T. -0.00 min

Lab File: BG046485.D

Acq: 1 Sep 2020 14:58

Tgt Ion:330 Resp: 266347

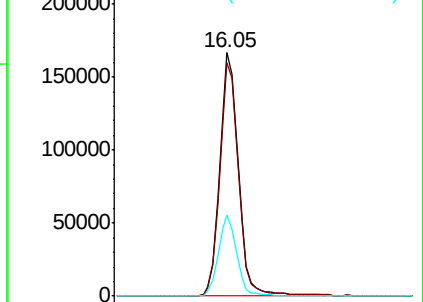
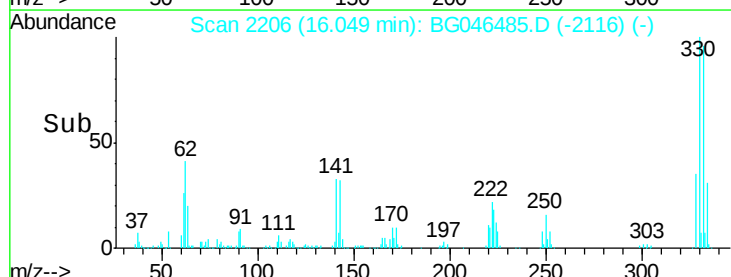
Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.1	114.1
141	32.7	26.1	39.1

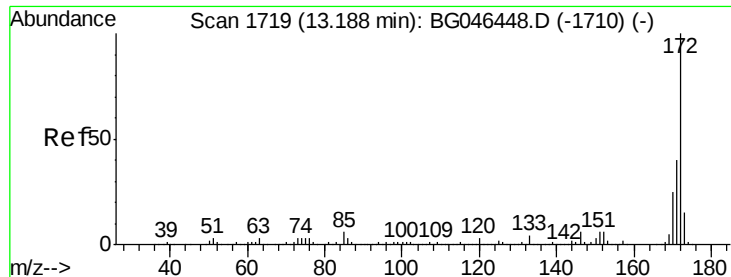


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

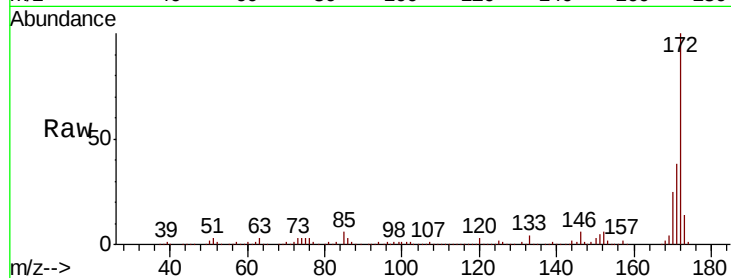




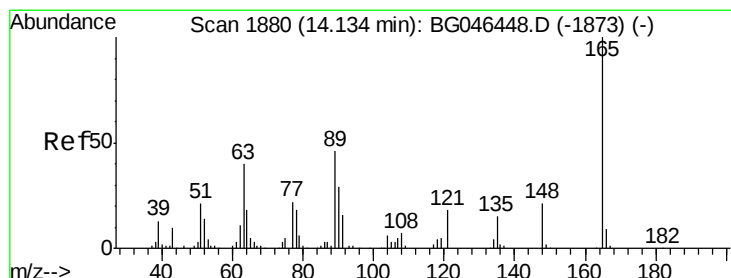
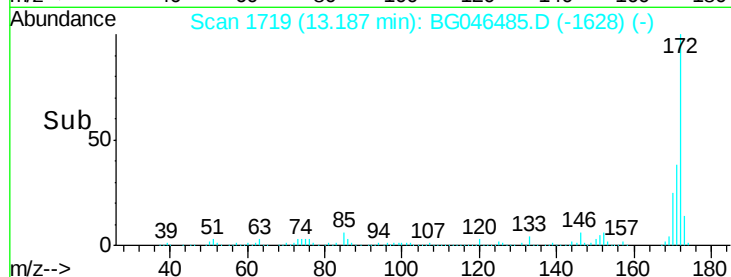
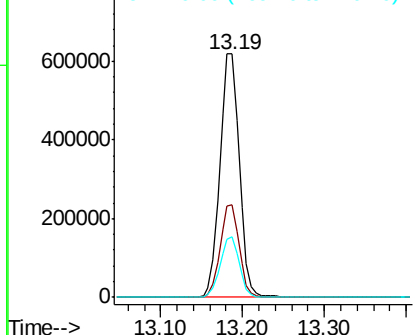
#45
 2-Fluorobiphenyl
 Concen: 88.188 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BG046485.D
 Acq: 1 Sep 2020 14:58

Instrument :
 BNA_G
 ClientSampleId :
 PB131322BL

Tot Ion:172 Resp: 1026143
 Ion Ratio Lower Upper
 172 100
 171 38.2 31.8 47.6
 170 25.0 20.3 30.5

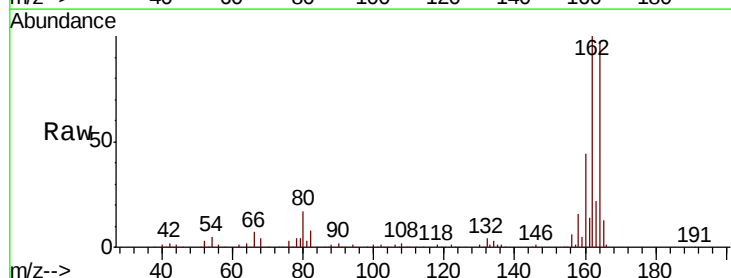


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

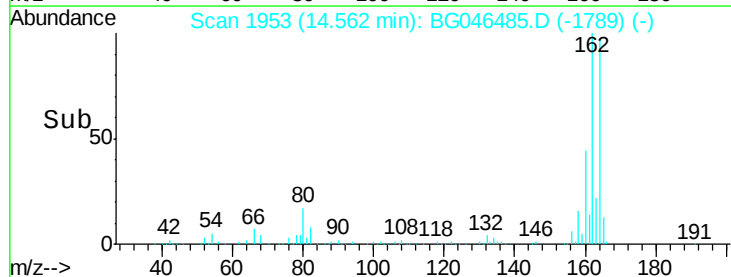
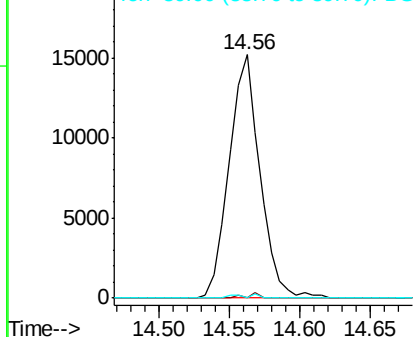


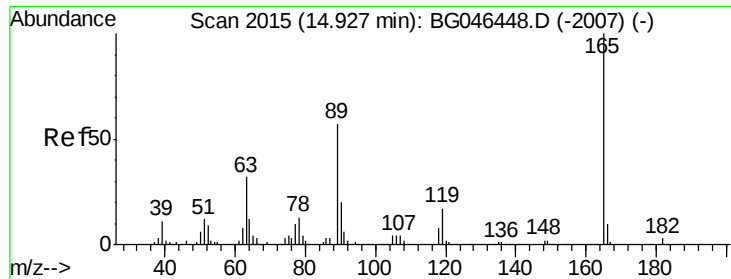
#51
 2,6-Dinitrotoluene
 Concen: 7.629 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. 0.43 min
 Lab File: BG046485.D
 Acq: 1 Sep 2020 14:58

Tgt Ion:165 Resp: 23110
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.2 51.4#
 89 0.0 37.0 55.4#



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

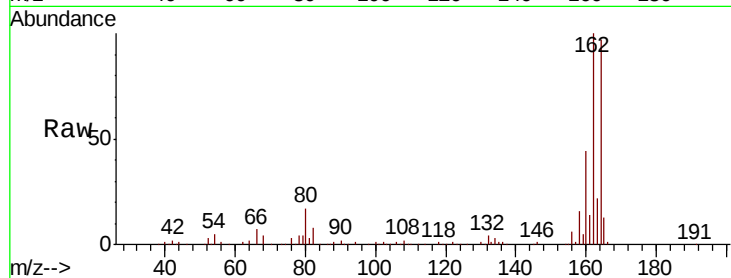




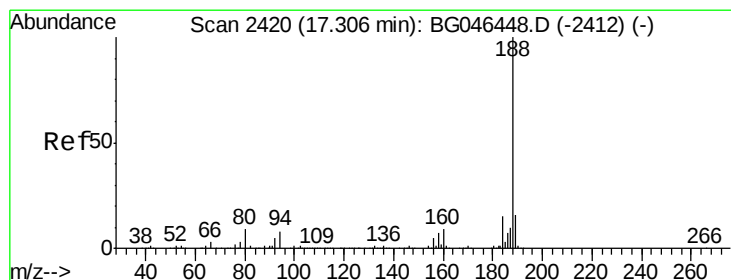
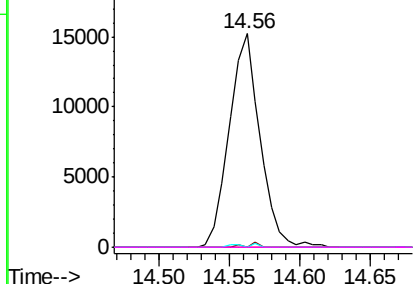
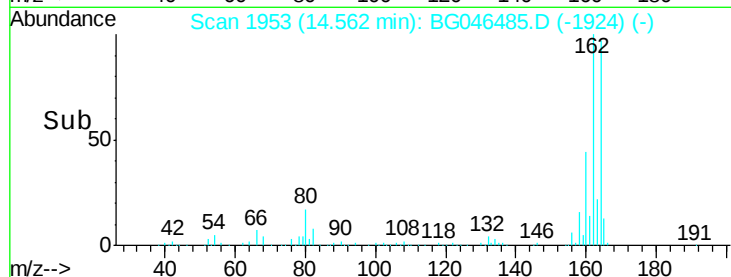
#57
 2,4-Dinitrotoluene
 Concen: 5.350 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.36 min
 Lab File: BG046485.D
 Acq: 1 Sep 2020 14:58

Instrument :
 BNA_G
 ClientSampleId :
 PB131322BL

Tot Ion:165 Resp: 23110
 Ion Ratio Lower Upper
 165 100
 63 0.0 25.4 38.0#
 89 0.0 45.9 68.9#
 182 0.0 2.3 3.5#

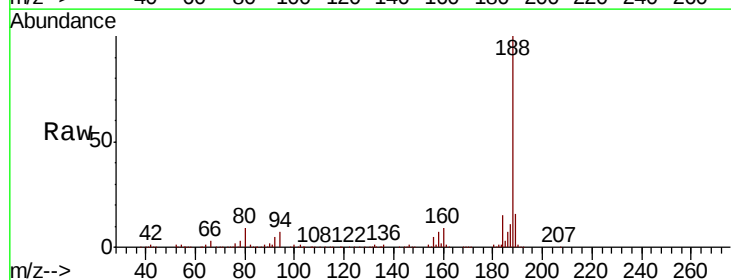


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

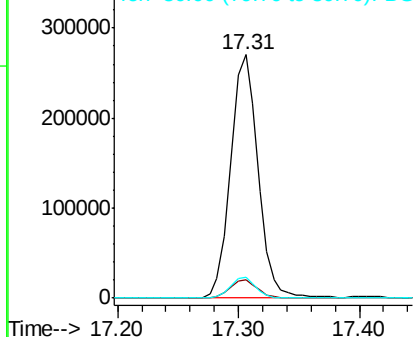
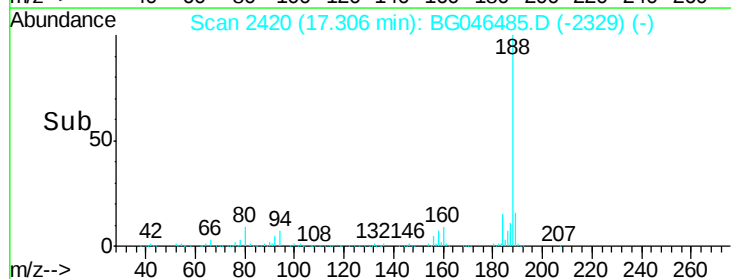


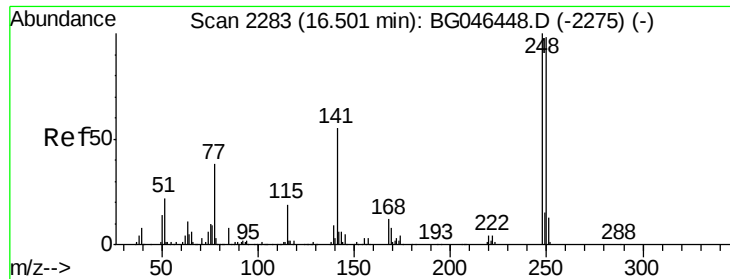
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: BG046485.D
 Acq: 1 Sep 2020 14:58

Tgt Ion:188 Resp: 430168
 Ion Ratio Lower Upper
 188 100
 94 7.3 6.3 9.5
 80 8.7 6.9 10.3



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

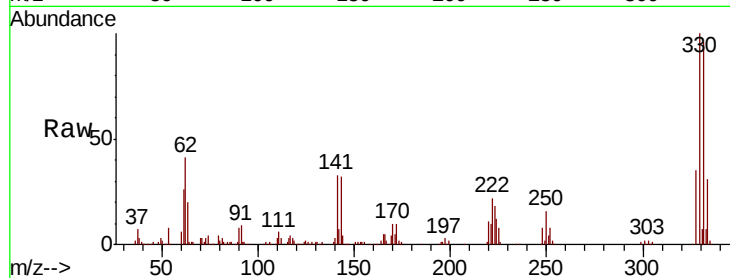




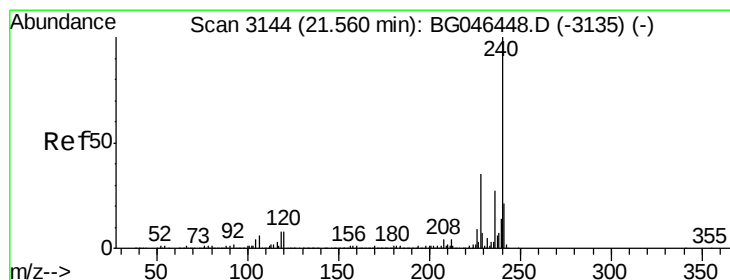
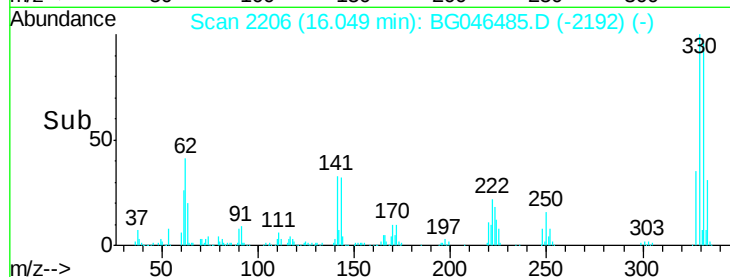
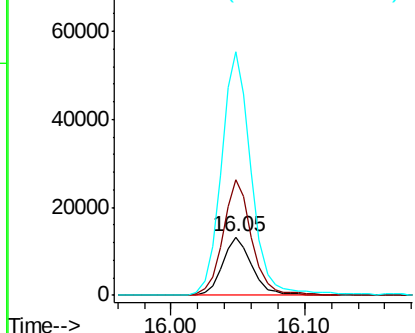
#67
4-Bromophenyl-phenylether
Concen: 4.074 ng
RT: 16.05 min Scan# 2206
Delta R.T. -0.45 min
Lab File: BG046485.D
Acq: 1 Sep 2020 14:58

Instrument :
BNA_G
ClientSampleId :
PB131322BL

Tot Ion:248 Resp: 20448
Ion Ratio Lower Upper
248 100
250 198.0 78.6 118.0#
141 416.3 43.9 65.9#

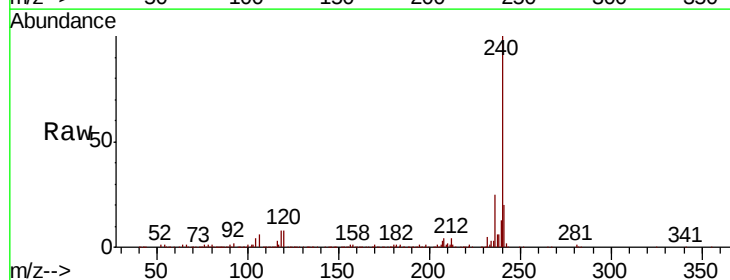


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

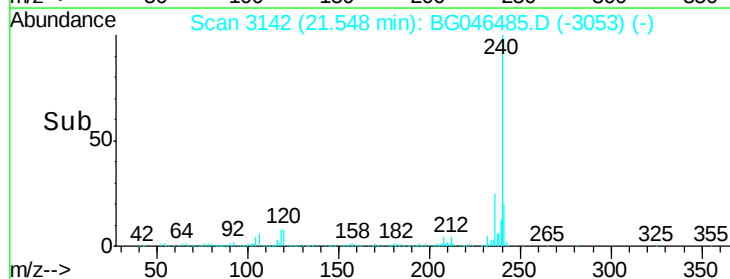
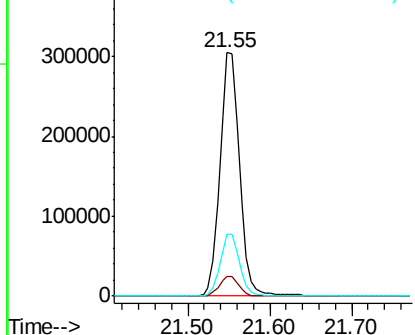


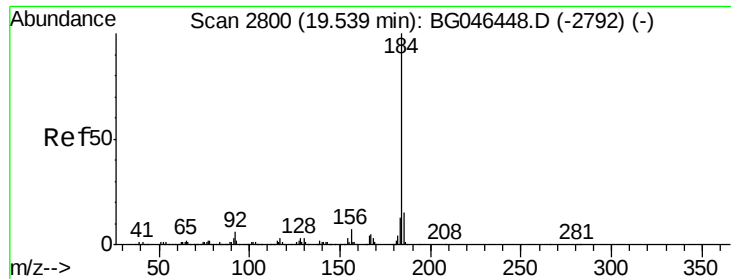
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG046485.D
Acq: 1 Sep 2020 14:58

Tgt Ion:240 Resp: 508618
Ion Ratio Lower Upper
240 100
120 8.3 6.6 10.0
236 25.3 21.4 32.2



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: 2.191 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.38 min

Lab File: BG046485.D

Acq: 1 Sep 2020 14:58

Instrument :

BNA_G

ClientSampleId :

PB131322BL

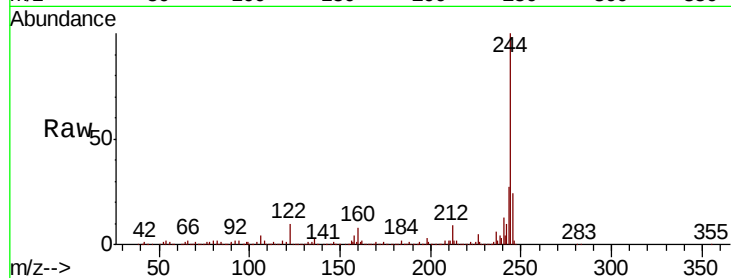
Tot Ion:184 Resp: 25890

Ion Ratio Lower Upper

184 100

185 18.5 11.8 17.8#

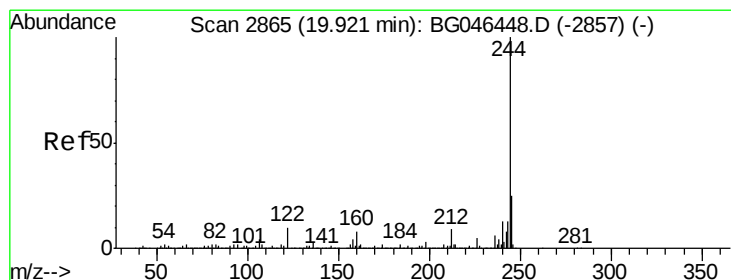
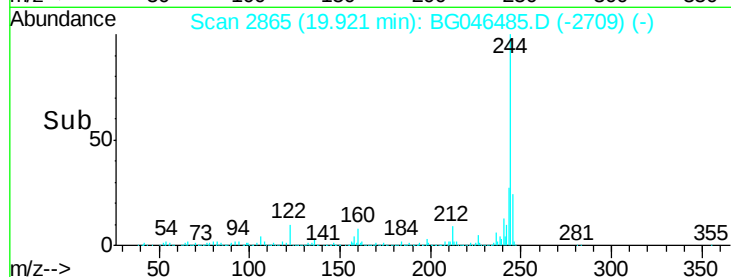
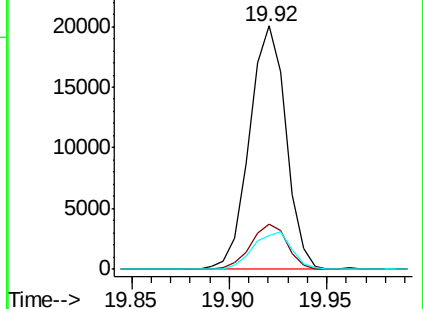
183 13.9 10.7 16.1



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: 73.049 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046485.D

Acq: 1 Sep 2020 14:58

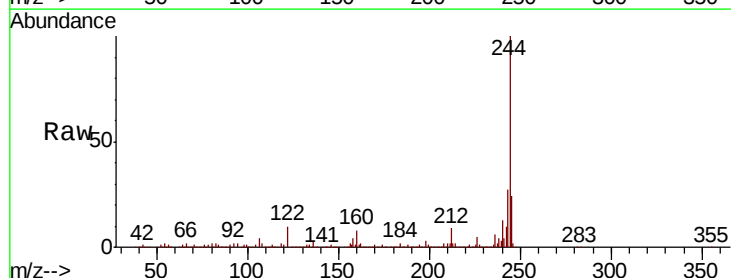
Tgt Ion:244 Resp: 1745815

Ion Ratio Lower Upper

244 100

212 8.7 6.9 10.3

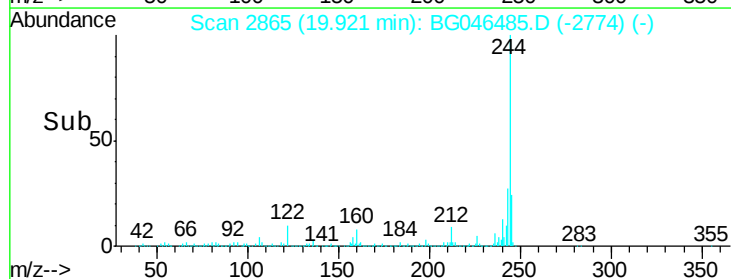
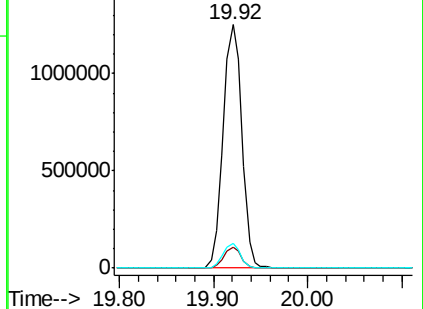
122 9.9 8.2 12.4

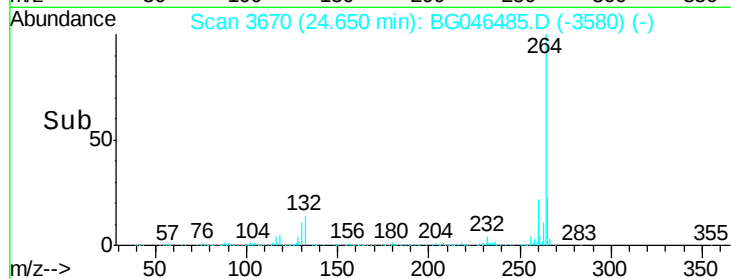
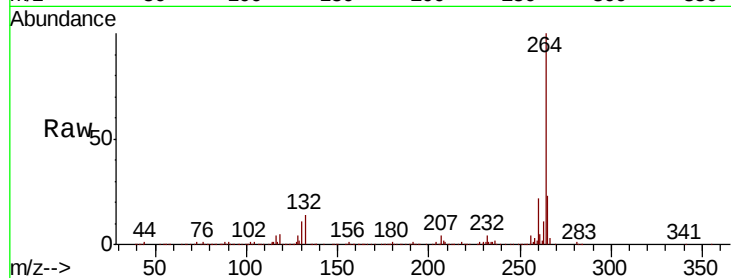
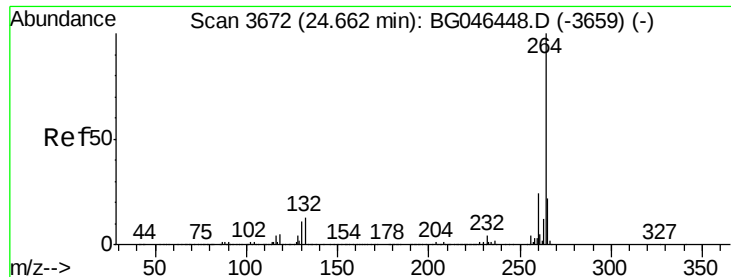


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.65 min Scan# 3670
Delta R.T. -0.00 min
Lab File: BG046485.D
Acq: 1 Sep 2020 14:58

Instrument :
BNA_G
ClientSampleId :
PB131322BL

Tot Ion:	264	Resp:	509646
Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.2	28.8
265	22.8	17.9	26.9

