

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031120\
 Data File : BG044721.D
 Acq On : 11 Mar 2020 15:30
 Operator : CG/JU
 Sample : PB127319BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 12 01:12:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	115427	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	474115	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	335245	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	756842	20.00	ng	0.00
76) Chrysene-d12	21.70	240	699779	20.00	ng	-0.01
87) Perylene-d12	24.92	264	774656	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	831886	112.19	ng	0.00
7) Phenol-d6	7.21	99	1174449	109.01	ng	0.00
23) Nitrobenzene-d5	9.21	82	752943	69.69	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	451396	102.83	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1603169	68.48	ng	0.00
79) Terphenyl-d14	20.05	244	2522071	67.42	ng	0.00

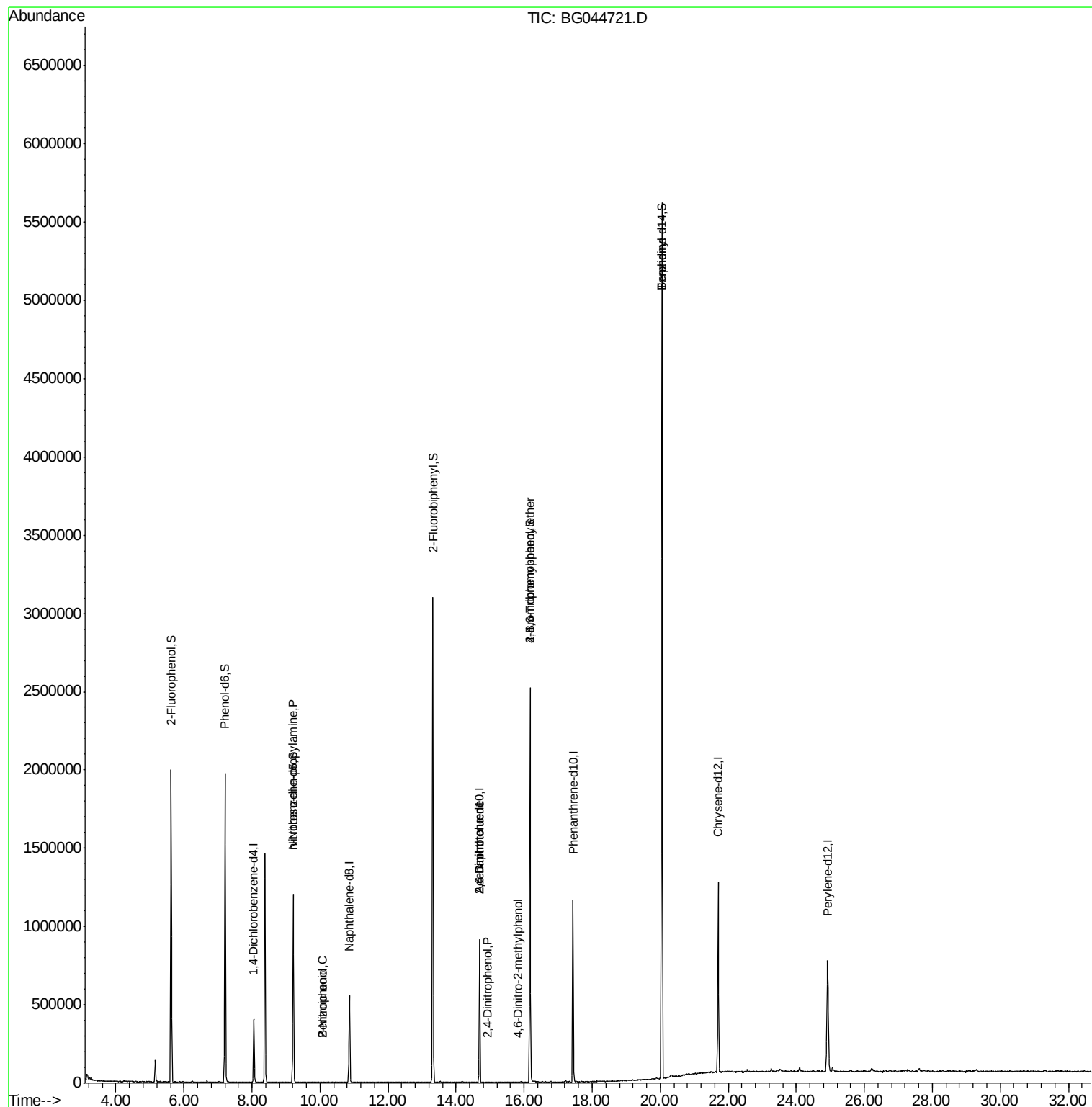
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	1995	Below Cal		# 20
19) n-Nitroso-di-n-propylamine	9.21	70	100675	13.234	ng	# 74
26) 2-Nitrophenol	10.08	139	74	5.532	ng	# 28
32) Benzoic acid	10.08	122	67	9.680	ng	# 1
51) 2,6-Dinitrotoluene	14.69	165	43102	8.008	ng	# 20
54) 2,4-Dinitrophenol	14.91	184	105	8.356	ng	# 29
57) 2,4-Dinitrotoluene	14.69	165	43102	5.839	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.83	198	54	7.741	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	33450	3.535	ng	# 1
77) Benzidine	20.05	184	52693	2.319	ng	# 93

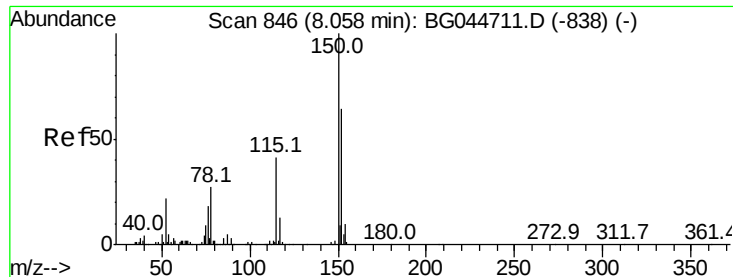
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031120\
Data File : BG044721.D
Acq On : 11 Mar 2020 15:30
Operator : CG/JU
Sample : PB127319BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Mar 12 01:12:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 16:27:39 2020
Response via : Initial Calibration



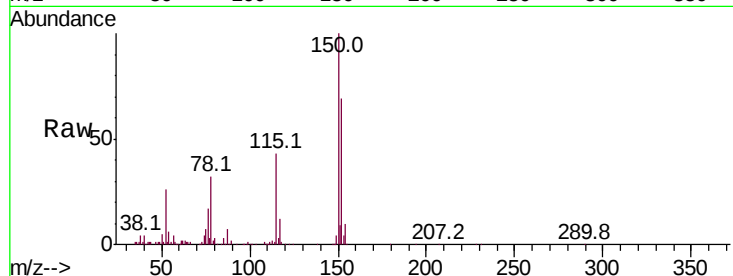


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG044721.D
Acq: 11 Mar 2020 15:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.0	125.3	187.9
115	61.7	51.7	77.5

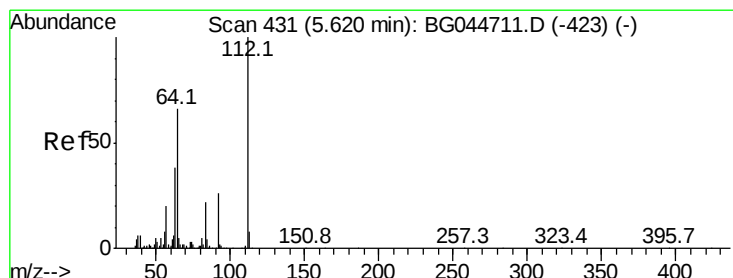
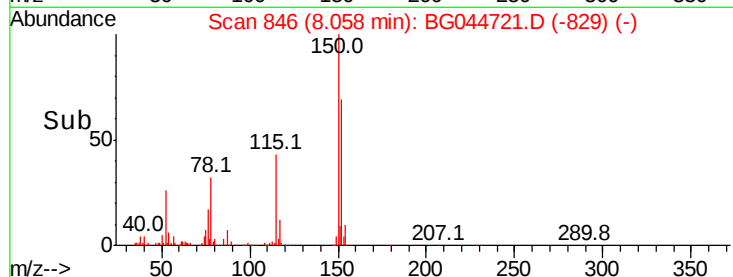
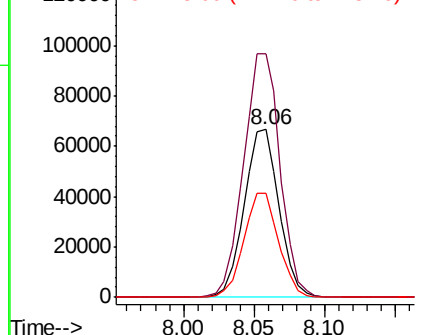


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

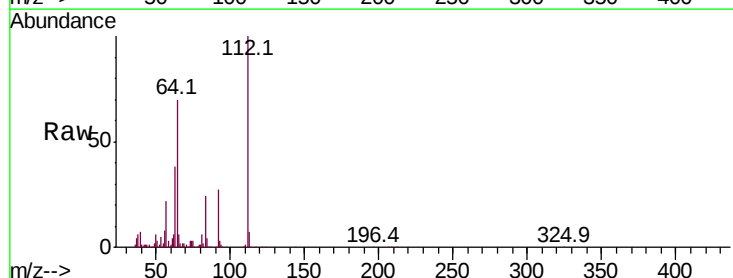
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 112.191 ng
RT: 5.63 min Scan# 432
Delta R.T. 0.01 min
Lab File: BG044721.D
Acq: 11 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.7	52.6	78.8
63	38.0	30.2	45.4

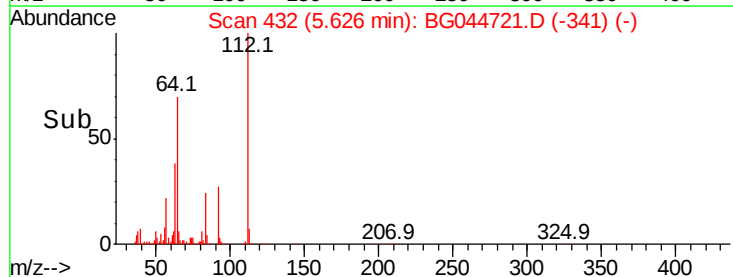
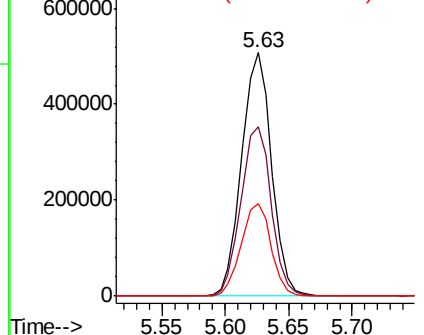


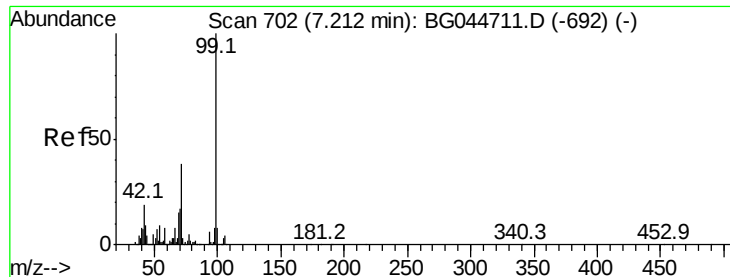
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 109.015 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.00 min

Lab File: BG044721.D

Acq: 11 Mar 2020 15:30

Instrument :

BNA_G

ClientSampleId :

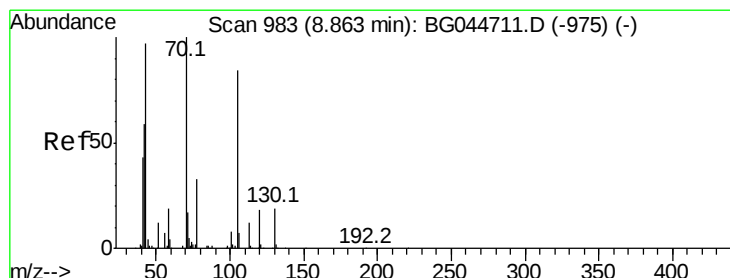
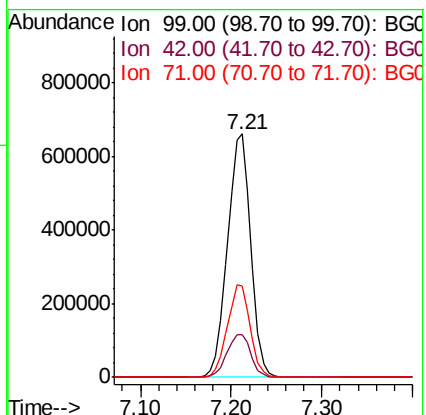
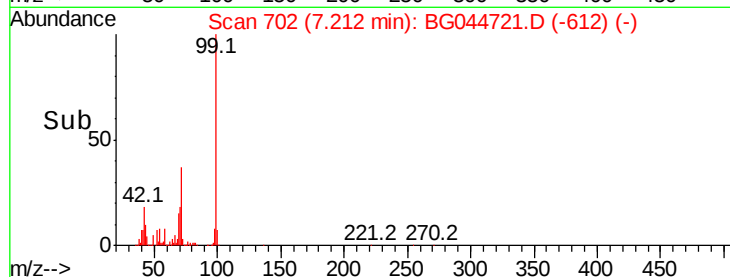
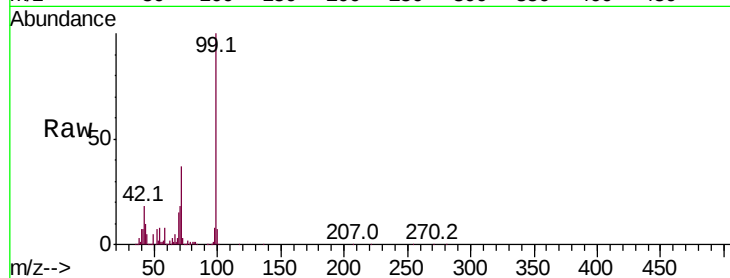
Tot Ion: 99 Resp: 1174449

Ion Ratio Lower Upper

99 100

42 17.7 15.4 23.0

71 37.3 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.234 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044721.D

Acq: 11 Mar 2020 15:30

Tgt Ion: 70 Resp: 100675

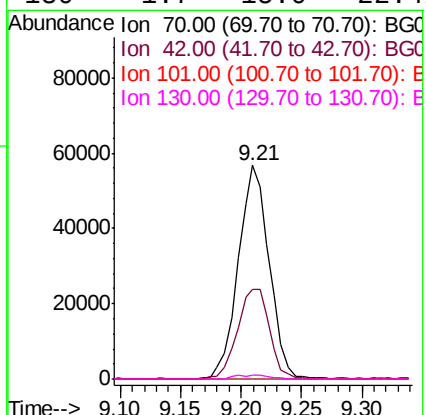
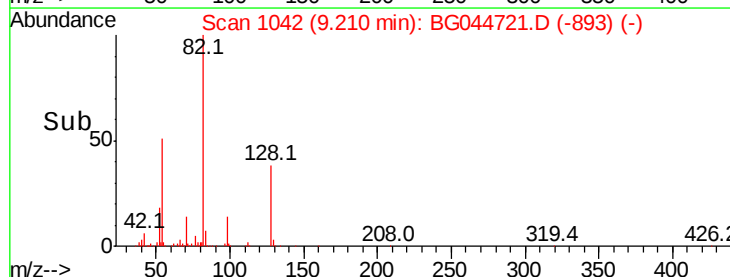
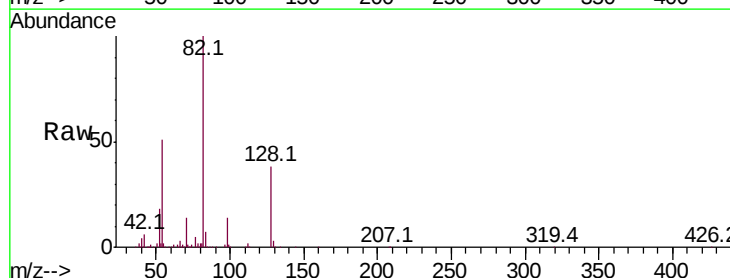
Ion Ratio Lower Upper

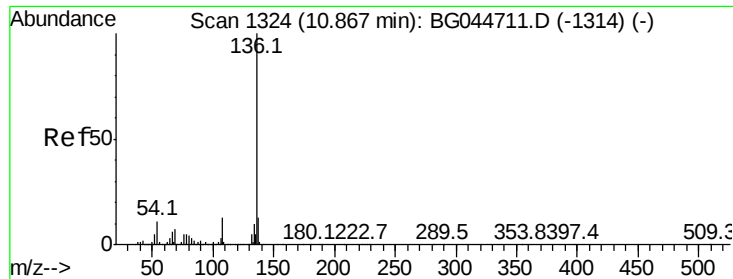
70 100

42 42.1 47.6 71.4#

101 0.0 6.5 9.7#

130 1.7 15.0 22.4#

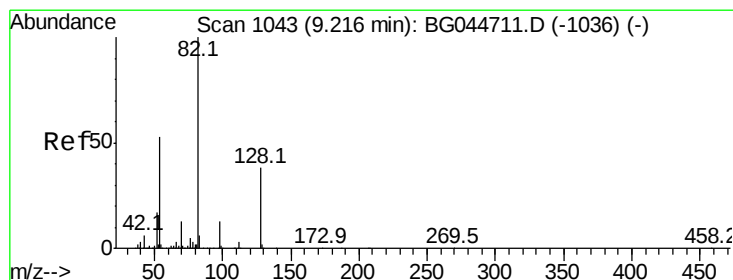
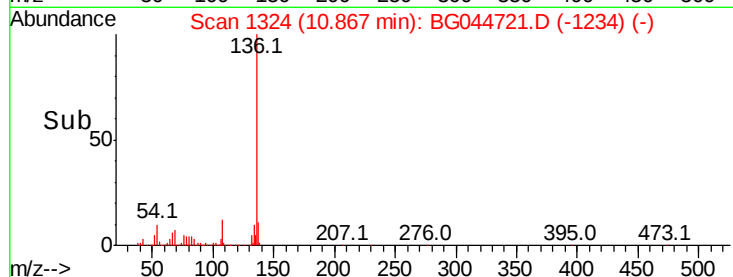
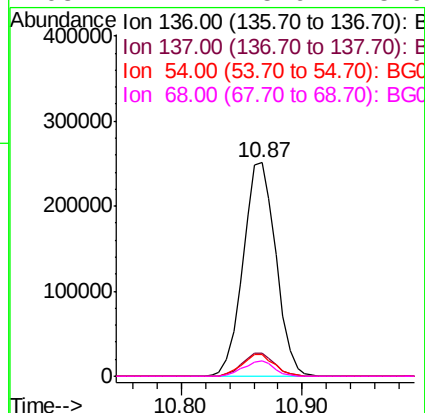
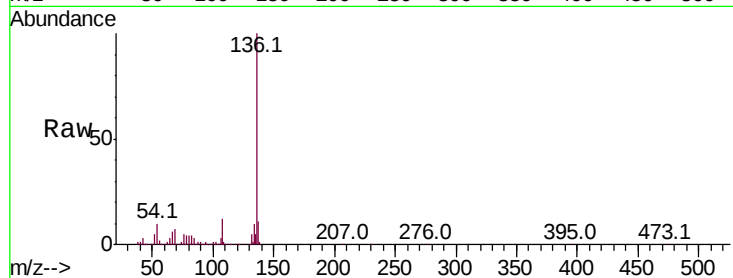




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BG044721.D
Acq: 11 Mar 2020 15:30

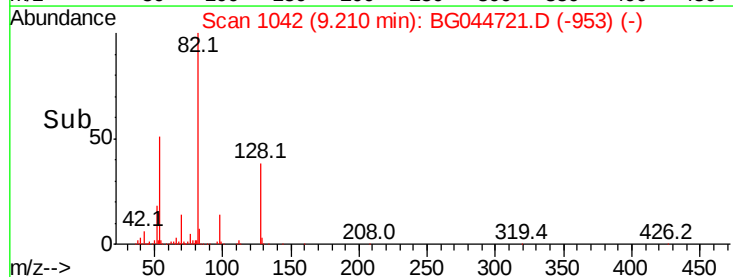
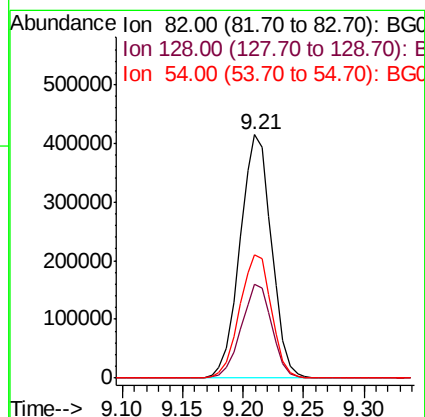
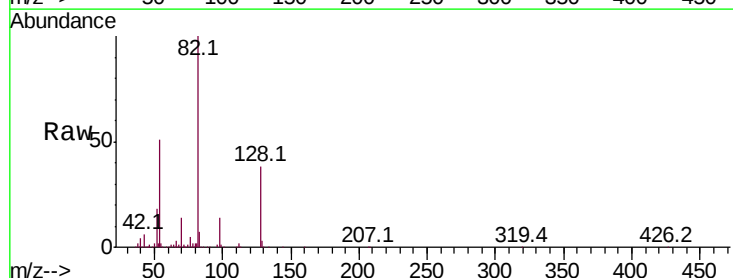
Instrument :
BNA_G
ClientSampleId :

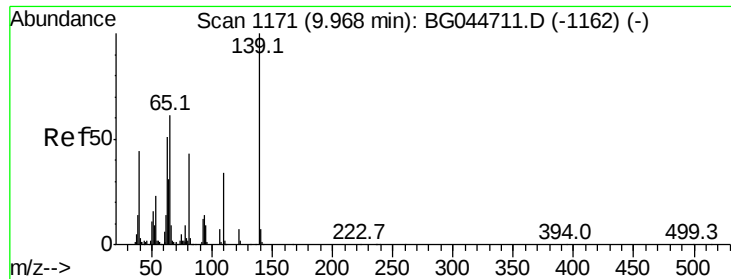
Tot Ion:	136	Resp:	474115
Ion	Ratio	Lower	Upper
136	100		
137	11.1	10.7	16.1
54	10.5	9.0	13.4
68	7.1	5.9	8.9



#23
Nitrobenzene-d5
Concen: 69.688 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044721.D
Acq: 11 Mar 2020 15:30

Tgt Ion:	82	Resp:	752943
Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.2	45.2
54	50.9	41.8	62.8

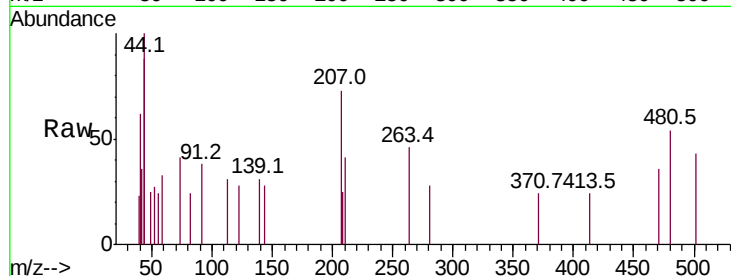




#26
2-Nitrophenol
Concen: 5.532 ng
RT: 10.08 min Scan# 1190
Delta R.T. 0.11 min
Lab File: BG044721.D
Acq: 11 Mar 2020 15:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#



Abundance

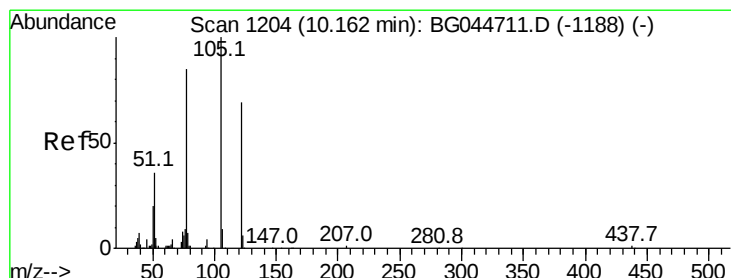
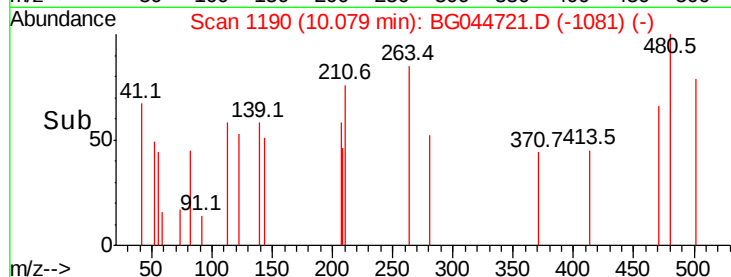
Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

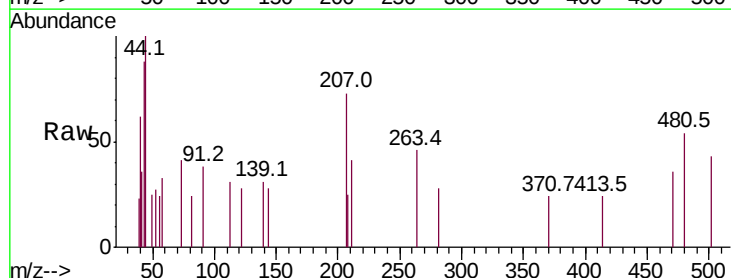
10.08

Time-->



#32
Benzoic acid
Concen: 9.680 ng
RT: 10.08 min Scan# 1190
Delta R.T. -0.08 min
Lab File: BG044721.D
Acq: 11 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	119.0	159.0#
77	0.0	96.4	136.4#



Abundance

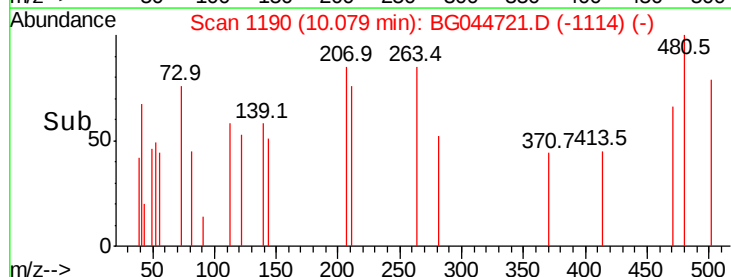
Ion 122.00 (121.70 to 122.70): E

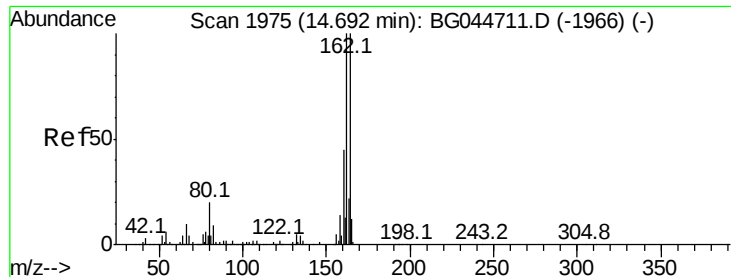
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

10.08

Time-->





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG044721.D

Acq: 11 Mar 2020 15:30

Instrument :

BNA_G

ClientSampleId :

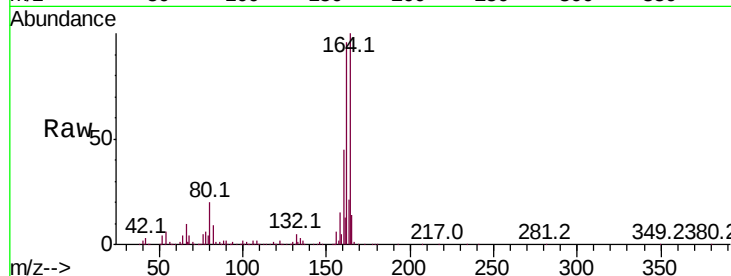
Tot Ion:164 Resp: 335245

Ion Ratio Lower Upper

164 100

162 95.8 80.2 120.4

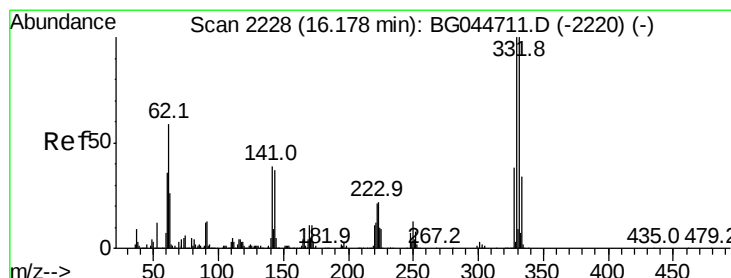
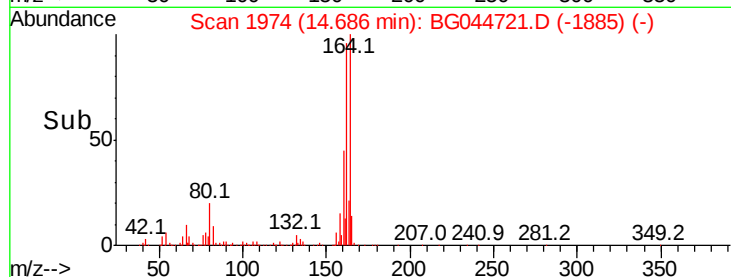
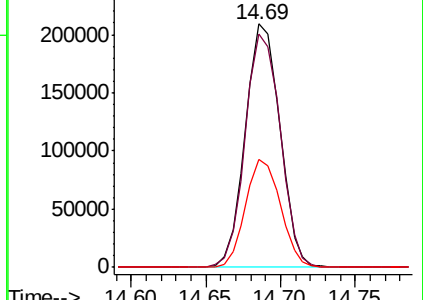
160 44.6 36.2 54.2



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: 102.835 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG044721.D

Acq: 11 Mar 2020 15:30

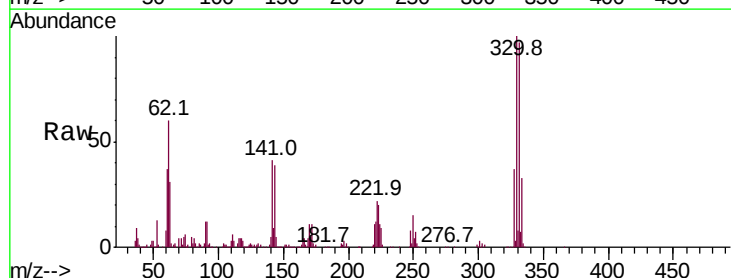
Tgt Ion:330 Resp: 451396

Ion Ratio Lower Upper

330 100

332 95.7 77.5 116.3

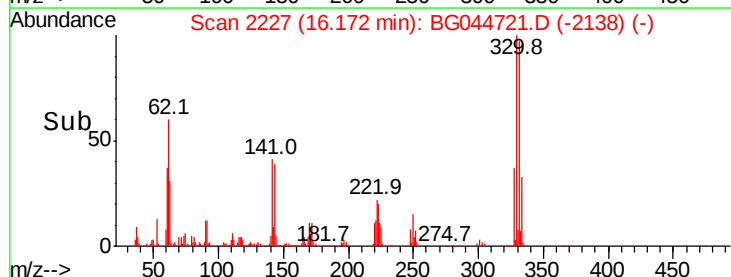
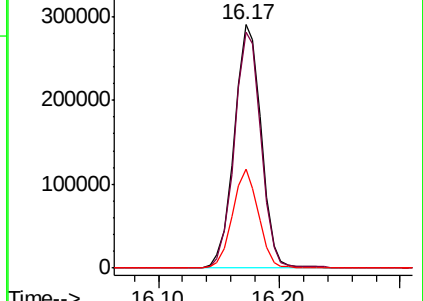
141 39.4 31.7 47.5

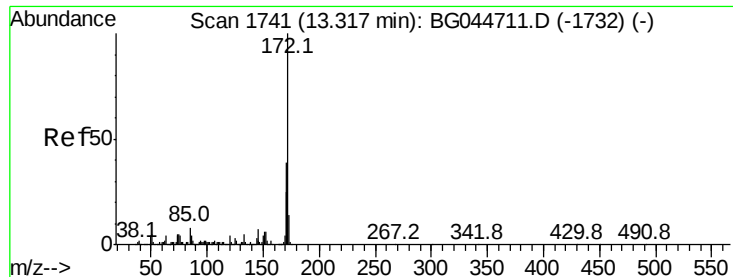


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 68.481 ng

RT: 13.32 min Scan# 1741

Delta R.T. -0.00 min

Lab File: BG044721.D

Acq: 11 Mar 2020 15:30

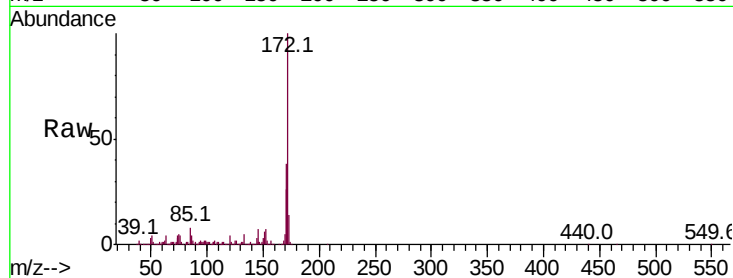
Instrument :

BNA_G

ClientSampled :

Tot Ion:172 Resp: 1603169

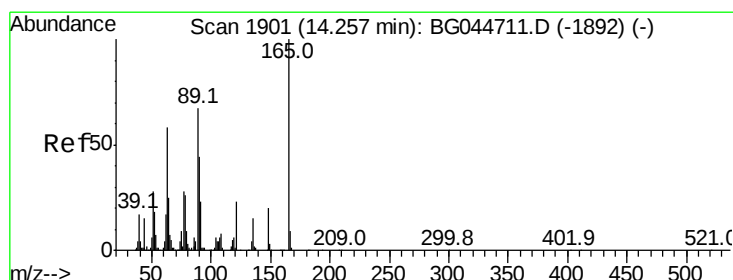
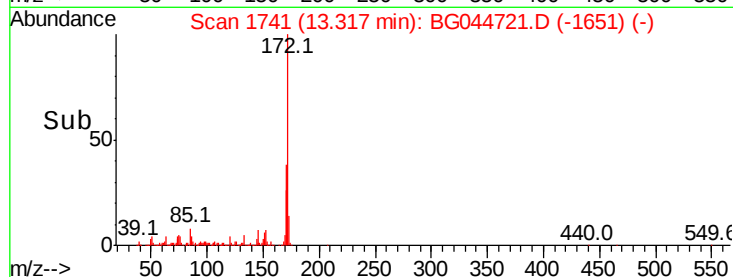
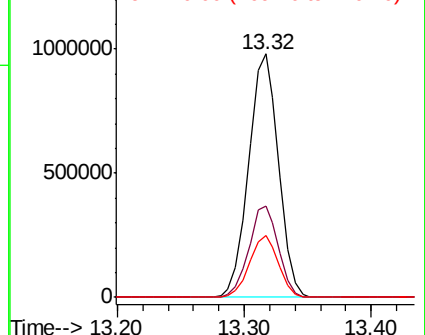
Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.8	46.2
170	25.5	20.0	30.0



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: 8.008 ng

RT: 14.69 min Scan# 1974

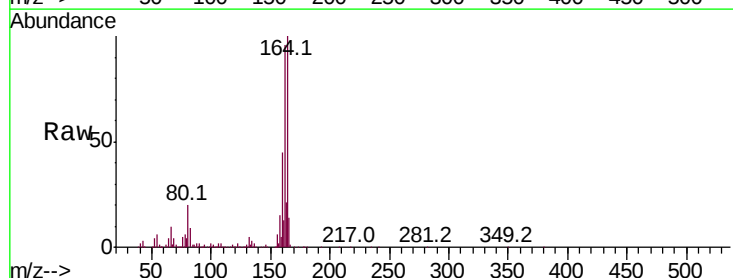
Delta R.T. 0.43 min

Lab File: BG044721.D

Acq: 11 Mar 2020 15:30

Tgt Ion:165 Resp: 43102

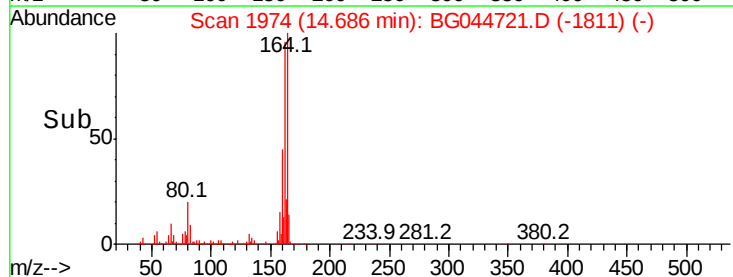
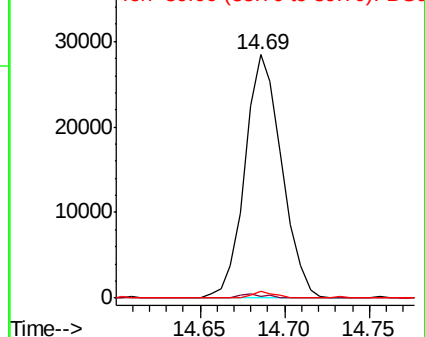
Ion	Ratio	Lower	Upper
165	100		
63	0.9	48.9	73.3#
89	3.0	53.8	80.8#

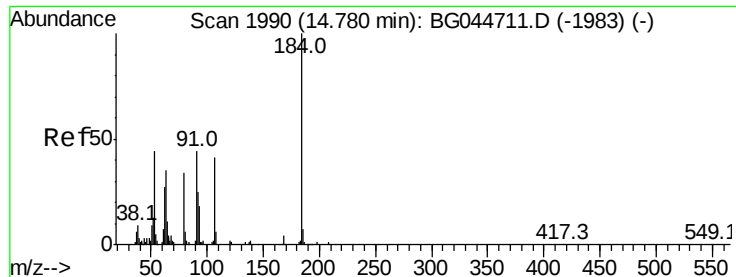


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

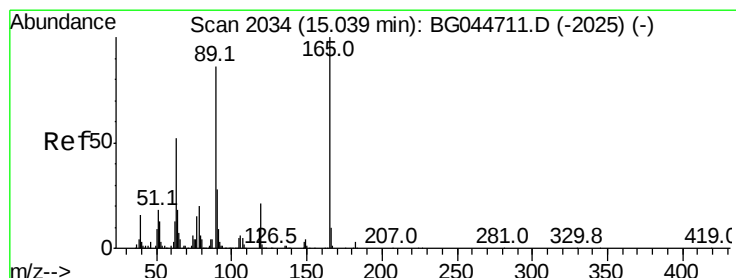
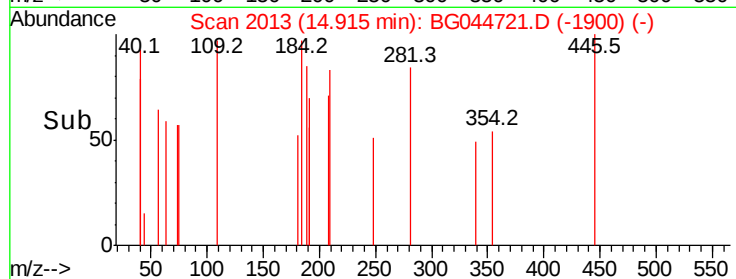
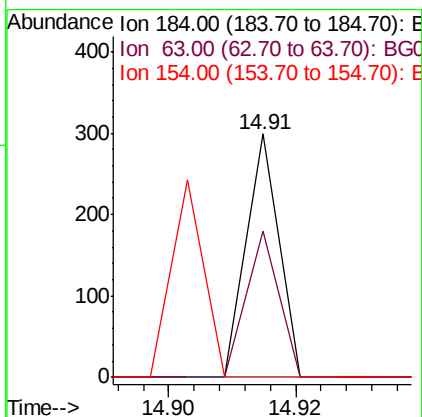
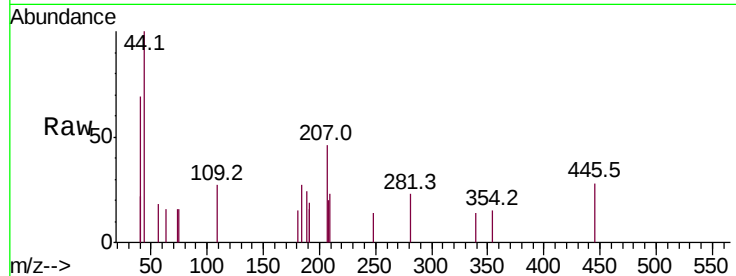




#54
 2,4-Dinitrophenol
 Concen: 8.356 ng
 RT: 14.91 min Scan# 2013
 Delta R.T. 0.14 min
 Lab File: BG044721.D
 Acq: 11 Mar 2020 15:30

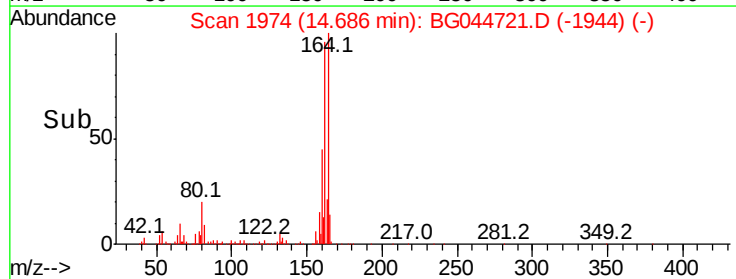
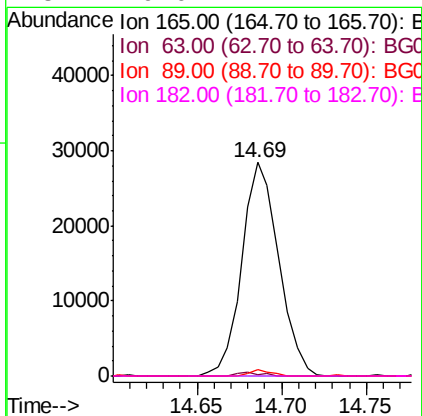
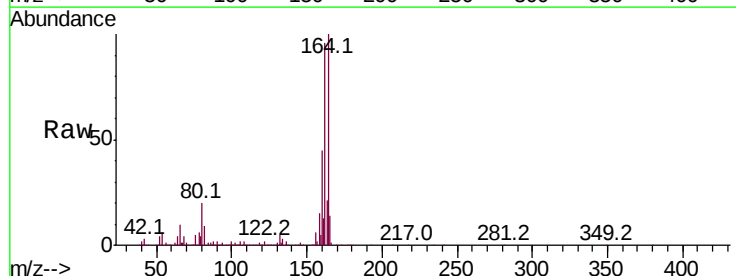
Instrument :
 BNA_G
 ClientSampleId :

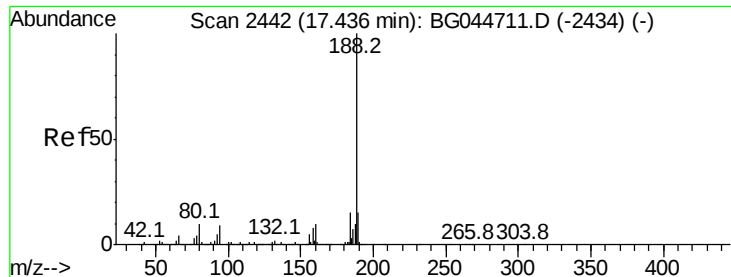
Tot Ion:184 Resp: 105
 Ion Ratio Lower Upper
 184 100
 63 60.2 49.0 73.6
 154 0.0 94.5 141.7#



#57
 2,4-Dinitrotoluene
 Concen: 5.839 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.35 min
 Lab File: BG044721.D
 Acq: 11 Mar 2020 15:30

Tgt Ion:165 Resp: 43102
 Ion Ratio Lower Upper
 165 100
 63 0.9 41.5 62.3#
 89 3.0 69.0 103.4#
 182 0.0 2.7 4.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BG044721.D

Acq: 11 Mar 2020 15:30

Instrument :

BNA_G

ClientSampleId :

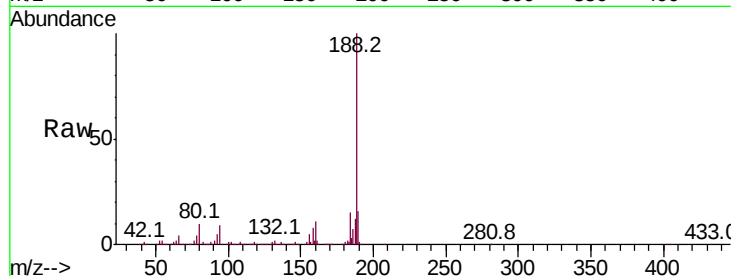
Tot Ion:188 Resp: 756842

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

80 9.9 8.4 12.6



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

600000

500000

400000

300000

200000

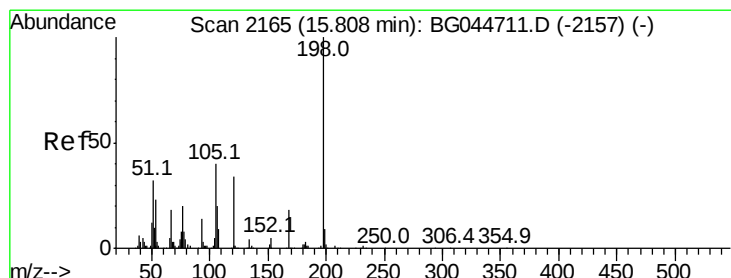
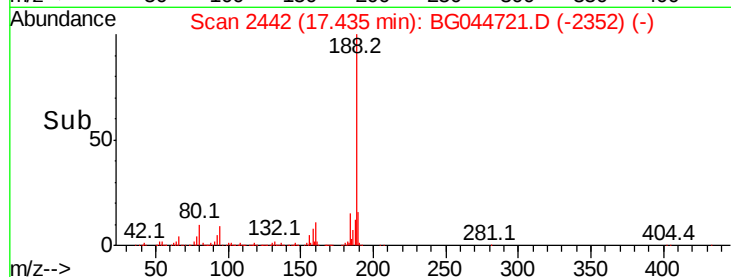
100000

0

17.44

17.40 17.50

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 7.741 ng

RT: 15.83 min Scan# 2168

Delta R.T. 0.02 min

Lab File: BG044721.D

Acq: 11 Mar 2020 15:30

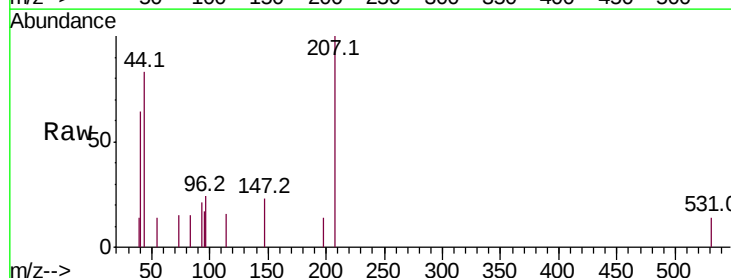
Tgt Ion:198 Resp: 54

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

105 0.0 21.3 61.3#



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

250

200

150

100

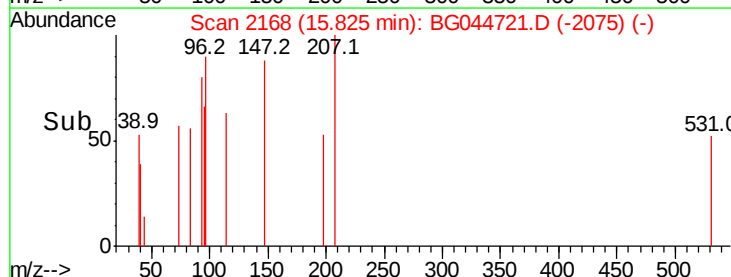
50

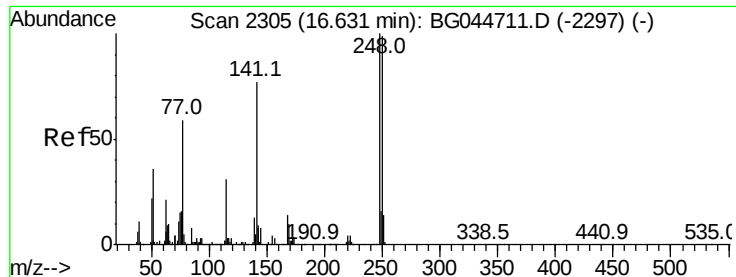
0

15.83

15.82 15.84

Time-->

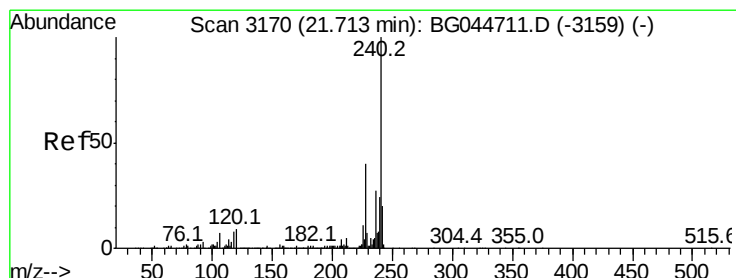
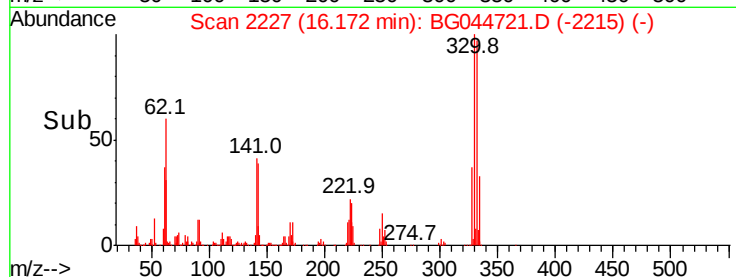
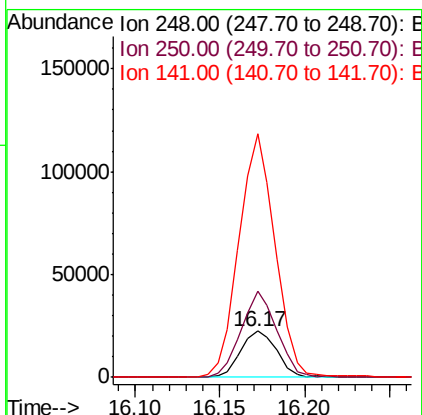
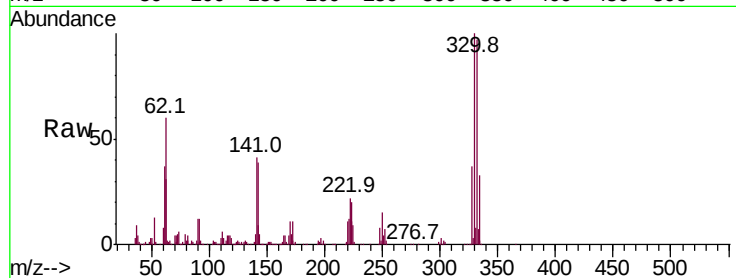




#67
4-Bromophenyl-phenylether
Concen: 3.535 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.46 min
Lab File: BG044721.D
Acq: 11 Mar 2020 15:30

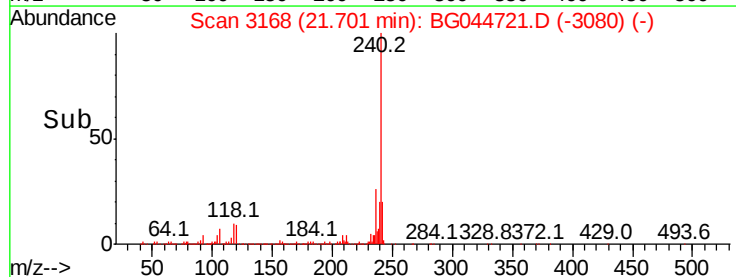
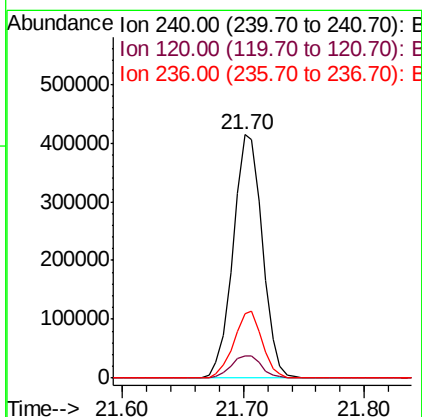
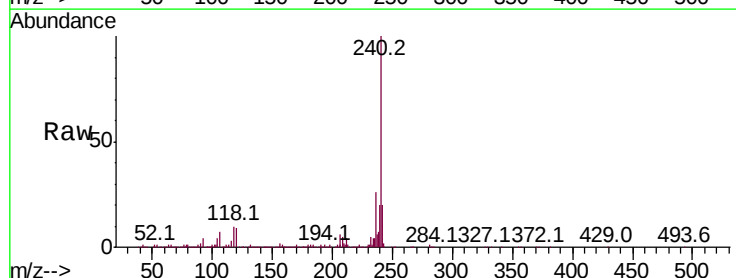
Instrument :
BNA_G
ClientSampleId :

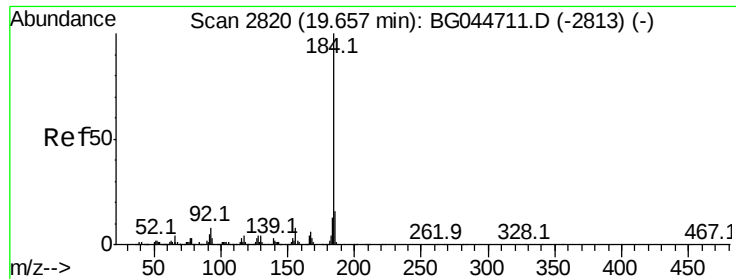
Tot Ion:248 Resp: 33450
Ion Ratio Lower Upper
248 100
250 188.5 79.4 119.0#
141 530.6 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BG044721.D
Acq: 11 Mar 2020 15:30

Tgt Ion:240 Resp: 699779
Ion Ratio Lower Upper
240 100
120 9.0 6.9 10.3
236 26.4 21.9 32.9





#77

Benzidine

Concen: 2.319 ng

RT: 20.05 min Scan# 2887

Delta R.T. 0.39 min

Lab File: BG044721.D

Acq: 11 Mar 2020 15:30

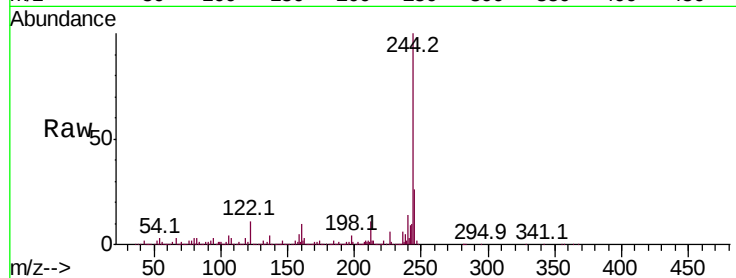
Instrument :

BNA_G

ClientSampled :

Tot Ion:184 Resp: 52693

Ion	Ratio	Lower	Upper
184	100		
185	15.4	12.9	19.3
183	8.0	10.6	15.8

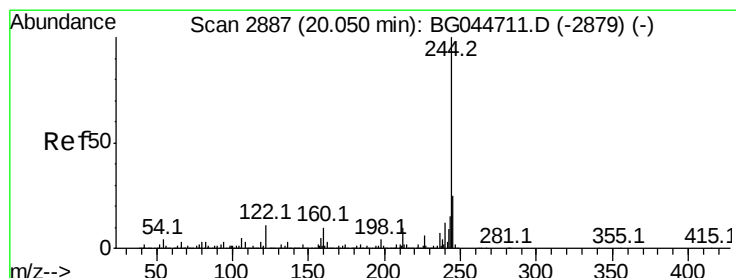
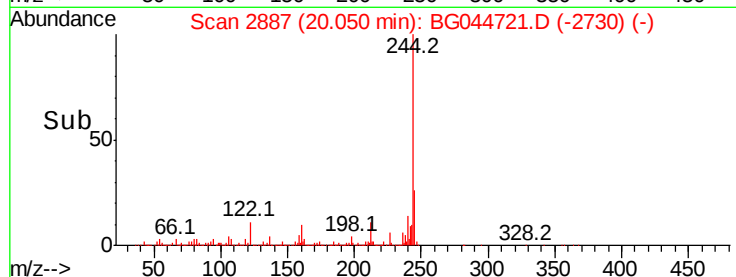
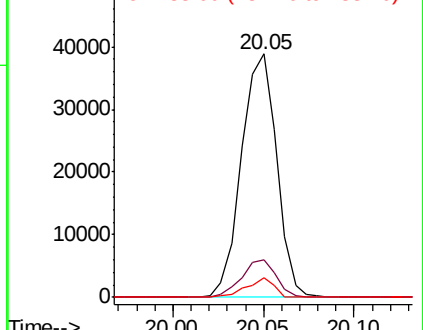


Abundance

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: 67.416 ng

RT: 20.05 min Scan# 2887

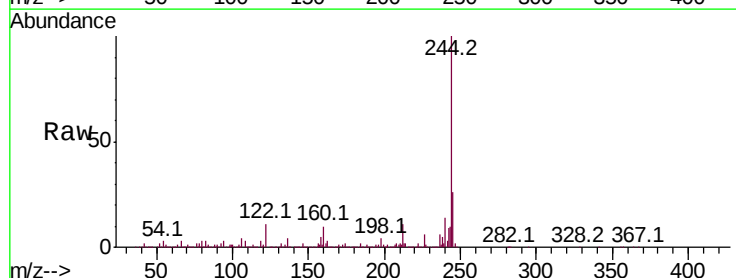
Delta R.T. -0.00 min

Lab File: BG044721.D

Acq: 11 Mar 2020 15:30

Tgt Ion:244 Resp: 2522071

Ion	Ratio	Lower	Upper
244	100		
212	10.8	8.4	12.6
122	11.0	8.7	13.1

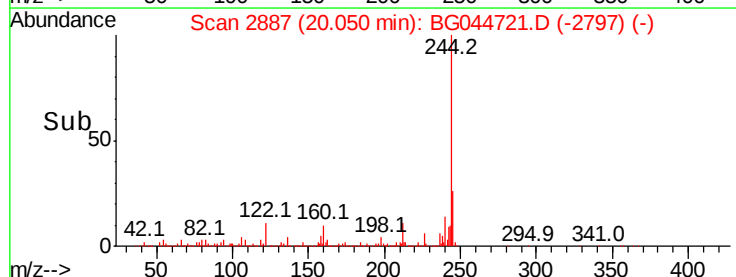
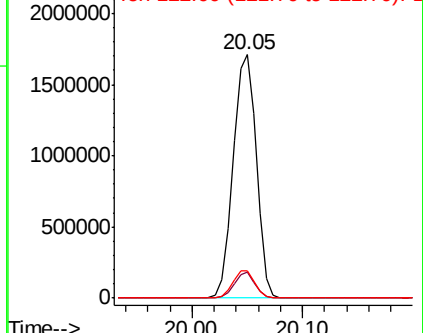


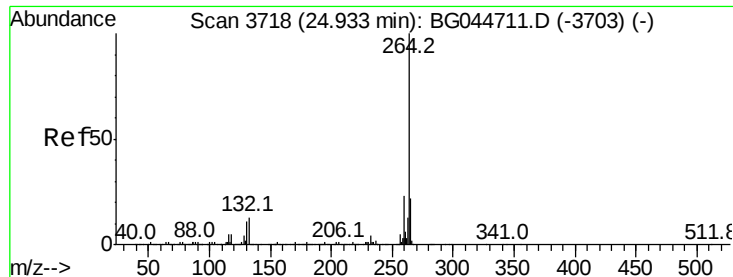
Abundance

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

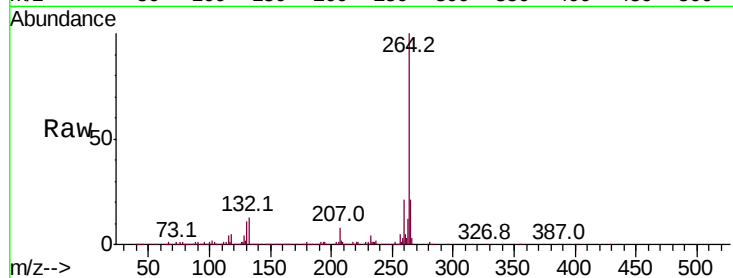




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.01 min
Lab File: BG044721.D
Acq: 11 Mar 2020 15:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	774656
Ion	Ratio	Lower	Upper
264	100		
260	21.2	18.4	27.6
265	21.0	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

