

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
 Data File : BG044774.D
 Acq On : 13 Mar 2020 19:35
 Operator : CG/JU
 Sample : L1912-21
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 23:05:59 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	8.05	152	118256	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	499908	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	338736	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	718164	20.00	ng	0.00
76) Chrysene-d12	21.70	240	579293	20.00	ng	0.00
87) Perylene-d12	24.92	264	666447	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	749035	98.60	ng	0.00
7) Phenol-d6	7.21	99	1094883	99.20	ng	0.00
23) Nitrobenzene-d5	9.21	82	737516	64.74	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	445905	100.54	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1477945	62.48	ng	0.00
79) Terphenyl-d14	20.05	244	2028373	65.50	ng	0.00

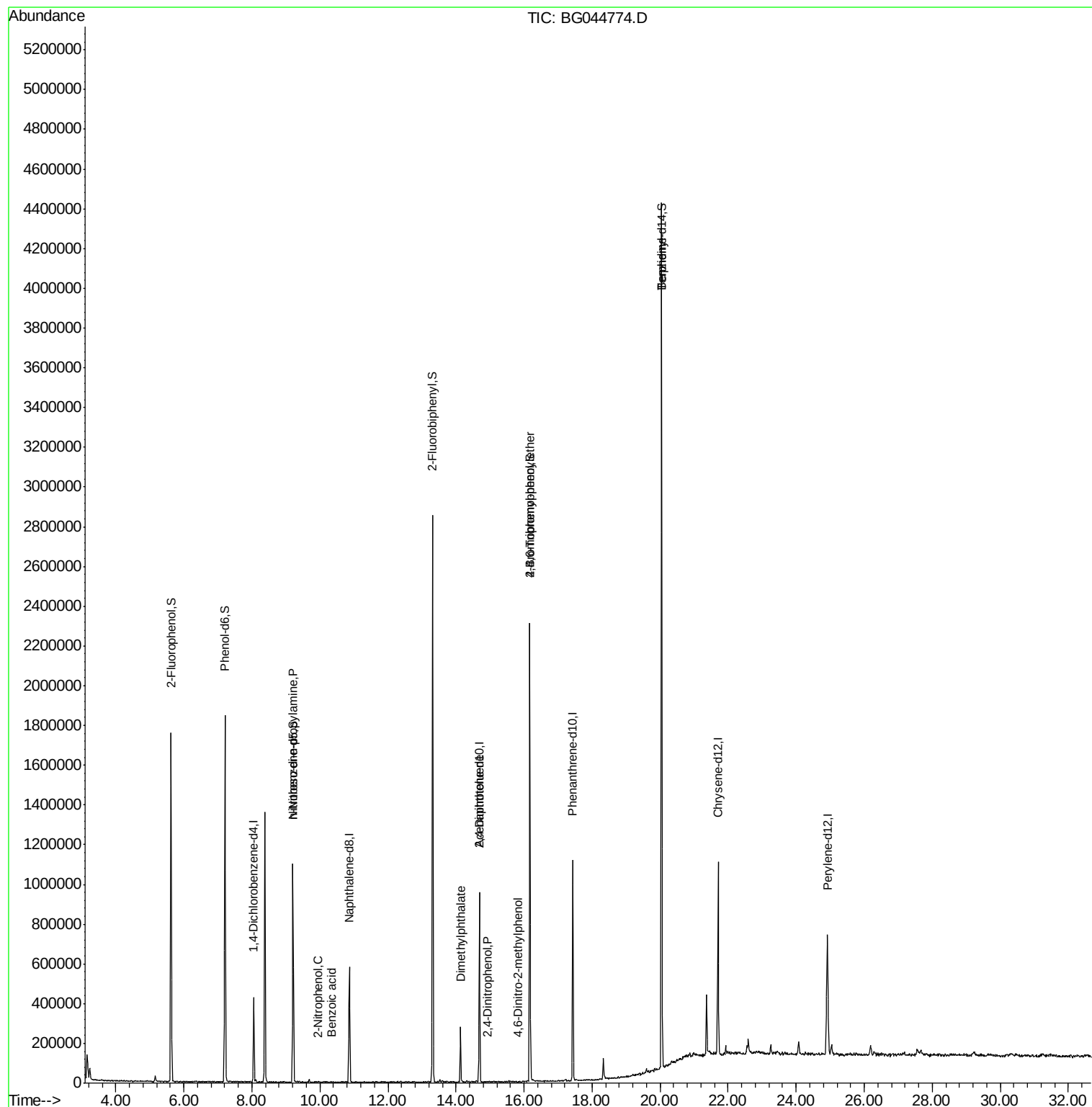
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	2372	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.21	70	97580	12.521 ng	#	73
26) 2-Nitrophenol	9.93	139	63	5.529 ng	#	28
32) Benzoic acid	10.34	122	77	9.681 ng	#	1
50) Dimethylphthalate	14.14	163	185479	6.875 ng		98
54) 2,4-Dinitrophenol	14.93	184	60	8.342 ng	#	2
57) 2,4-Dinitrotoluene	14.69	165	43729	5.863 ng	#	18
65) 4,6-Dinitro-2-methylphenol	15.83	198	193	7.776 ng	#	35
67) 4-Bromophenyl-phenylether	16.17	248	31228	3.478 ng	#	1
77) Benzidine	20.05	184	40381	2.147 ng	#	92

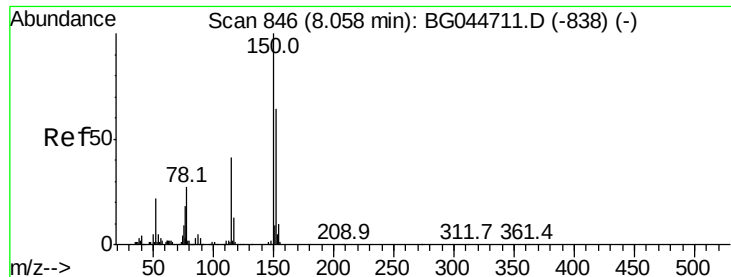
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 845

Delta R.T. -0.00 min

Lab File: BG044774.D

Acq: 13 Mar 2020 19:35

Instrument :

BNA_G

ClientSampled :

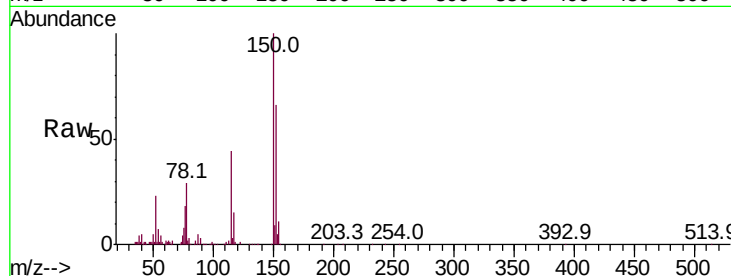
Tot Ion:152 Resp: 118256

Ion Ratio Lower Upper

152 100

150 151.5 125.3 187.9

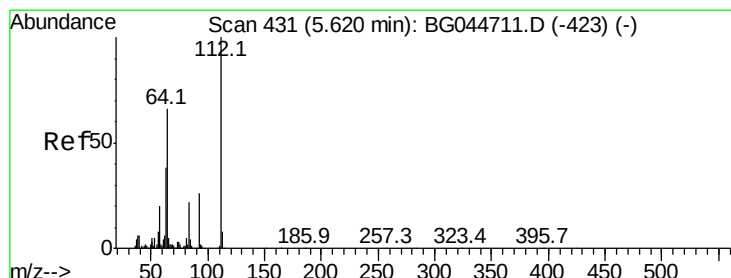
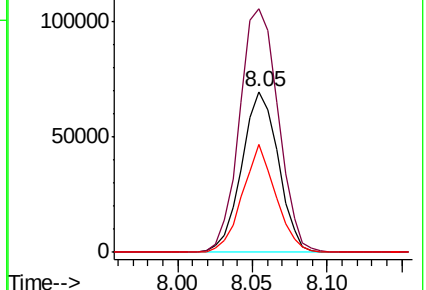
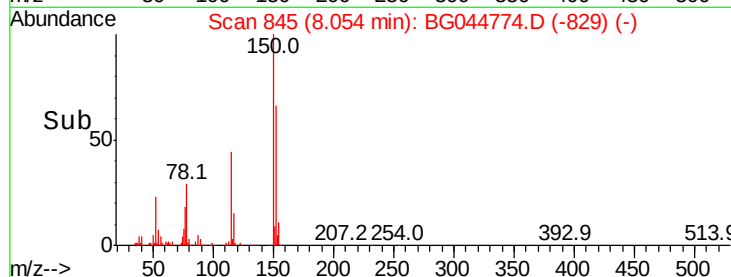
115 67.3 51.7 77.5



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: 98.601 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG044774.D

Acq: 13 Mar 2020 19:35

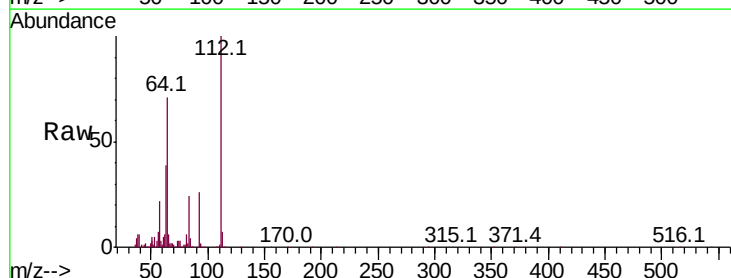
Tgt Ion:112 Resp: 749035

Ion Ratio Lower Upper

112 100

64 71.3 52.6 78.8

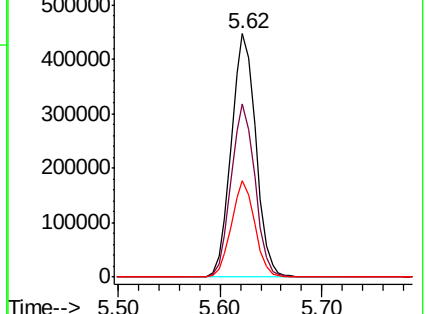
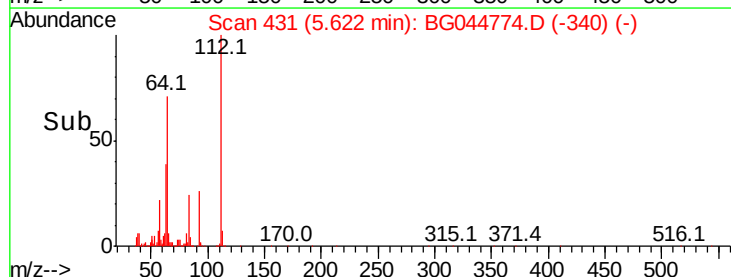
63 39.4 30.2 45.4

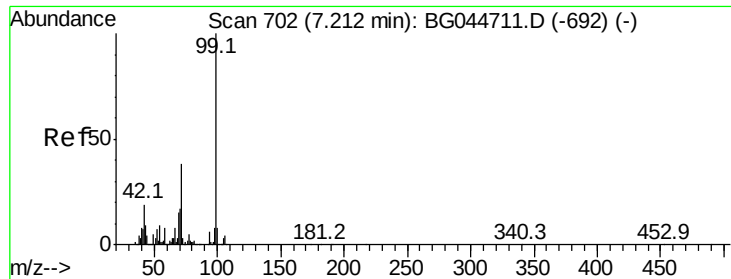


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 99.198 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG044774.D

Acq: 13 Mar 2020 19:35

Instrument :

BNA_G

ClientSampleId :

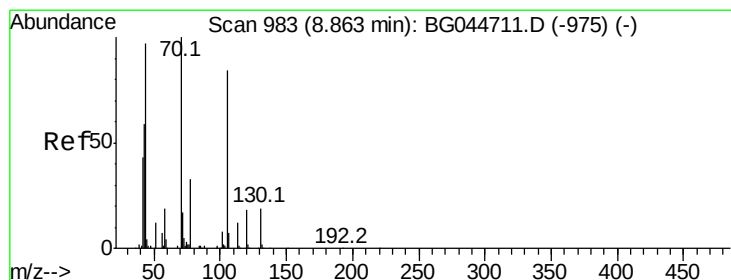
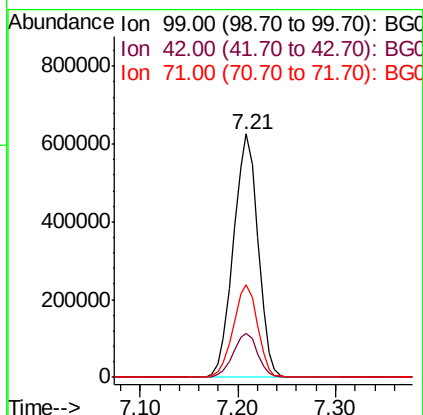
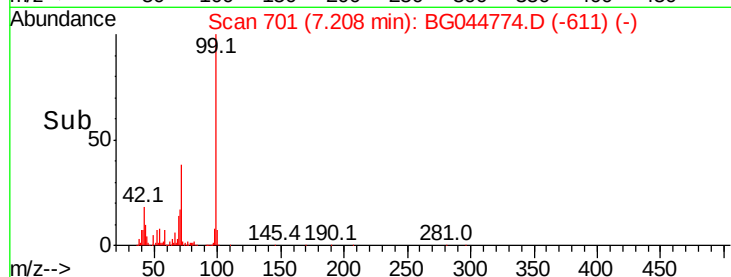
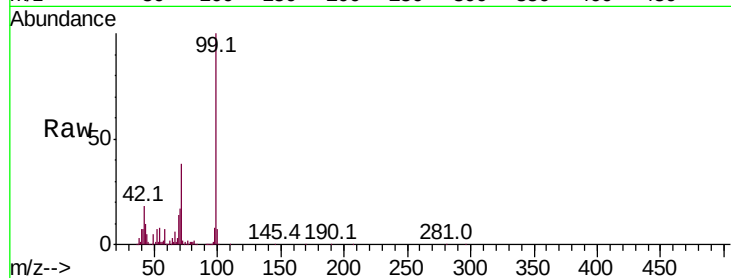
Tot Ion: 99 Resp: 1094883

Ion Ratio Lower Upper

99 100

42 18.2 15.4 23.0

71 38.0 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.521 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG044774.D

Acq: 13 Mar 2020 19:35

Tgt Ion: 70 Resp: 97580

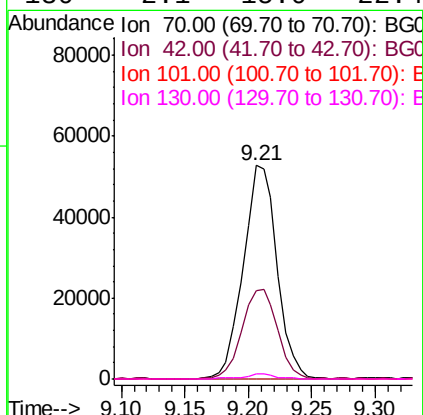
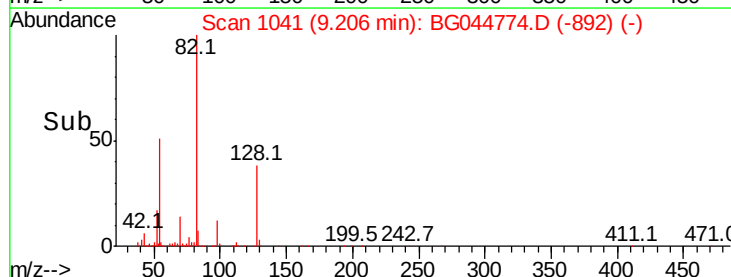
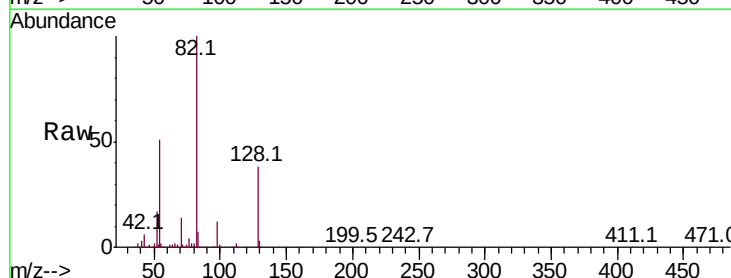
Ion Ratio Lower Upper

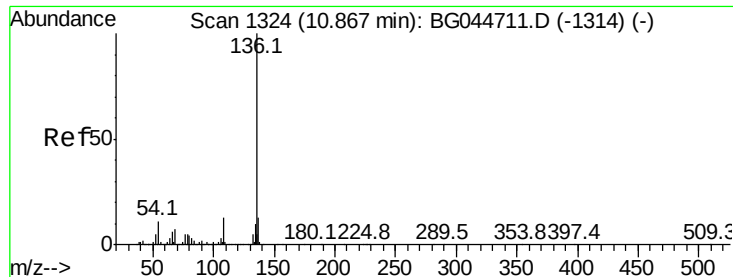
70 100

42 41.5 47.6 71.4#

101 0.0 6.5 9.7#

130 2.1 15.0 22.4#

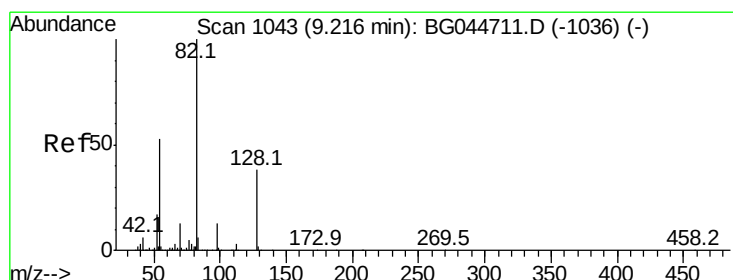
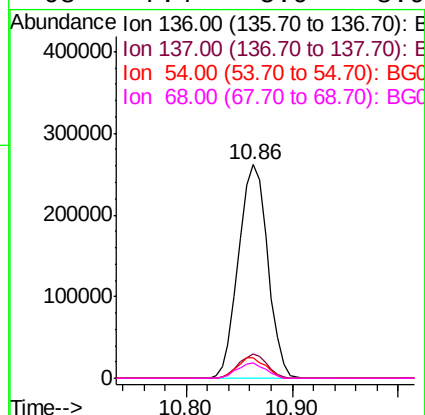
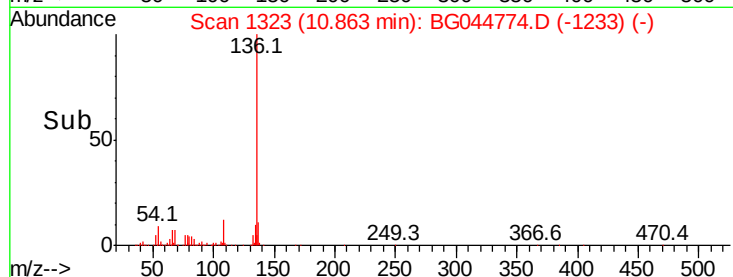
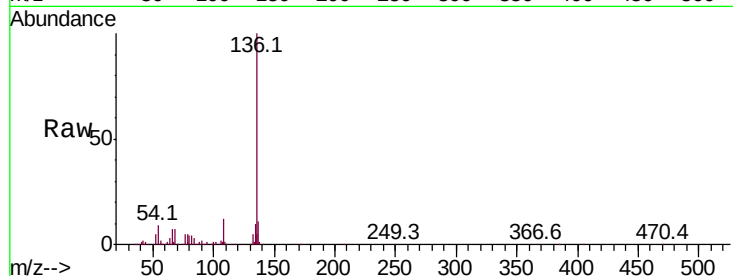




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BG044774.D
Acq: 13 Mar 2020 19:35

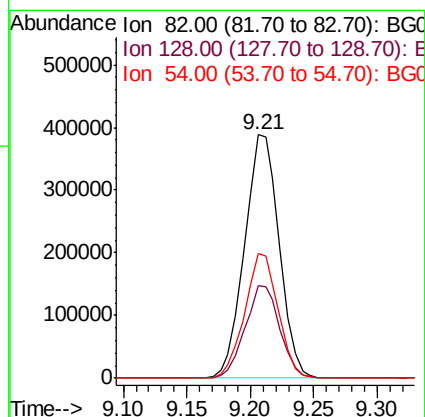
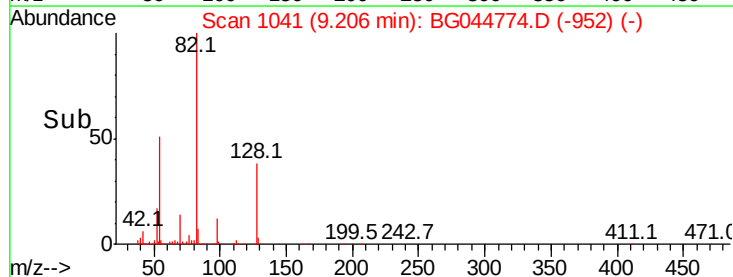
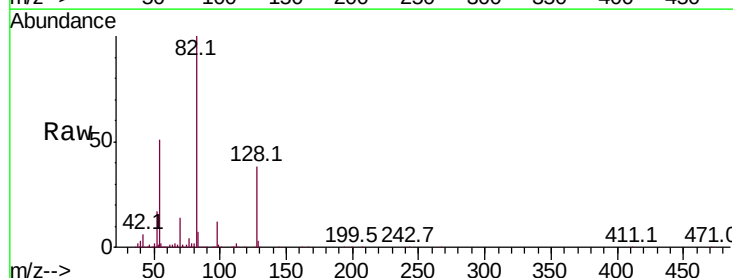
Instrument :
BNA_G
ClientSampleId :

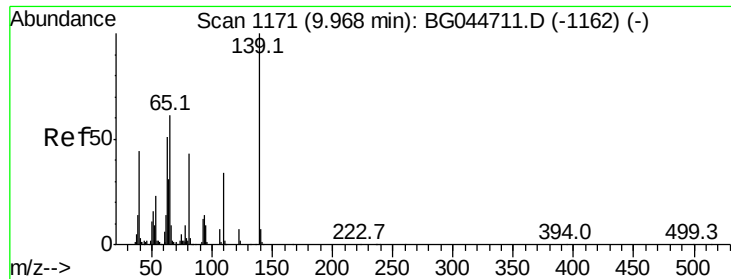
Tot Ion:136	Resp:	499908
Ion Ratio	Lower	Upper
136	100	
137	11.5	10.7 16.1
54	9.3	9.0 13.4
68	7.4	5.9 8.9



#23
Nitrobenzene-d5
Concen: 64.738 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG044774.D
Acq: 13 Mar 2020 19:35

Tgt Ion: 82	Resp:	737516
Ion Ratio	Lower	Upper
82	100	
128	38.1	30.2 45.2
54	51.3	41.8 62.8

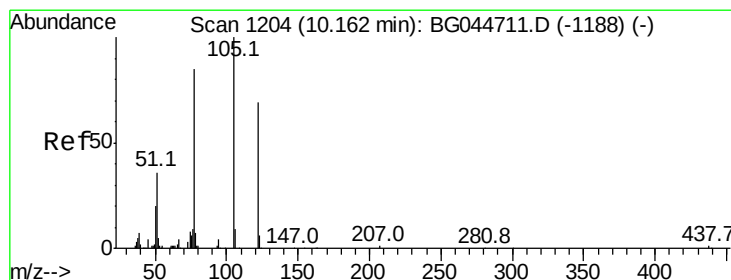
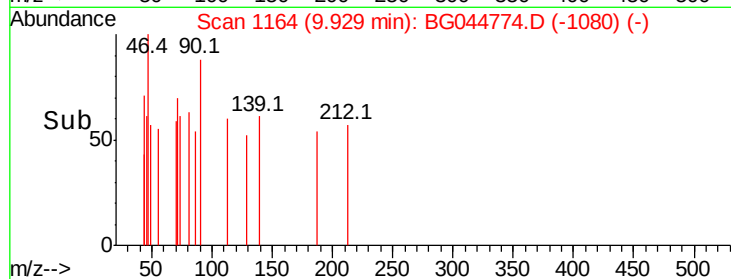
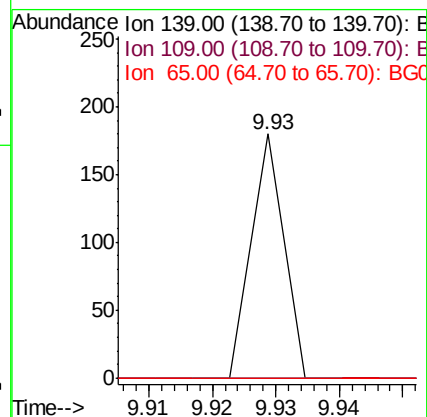
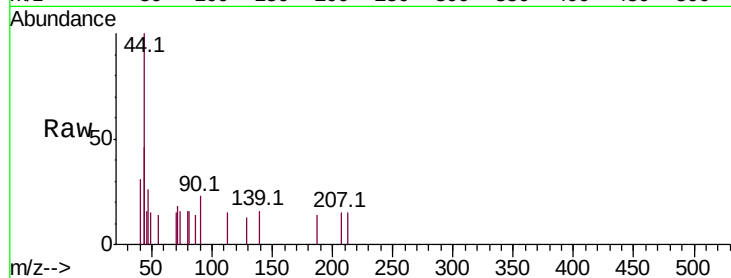




#26
2-Nitrophenol
Concen: 5.529 ng
RT: 9.93 min Scan# 1164
Delta R.T. -0.04 min
Lab File: BG044774.D
Acq: 13 Mar 2020 19:35

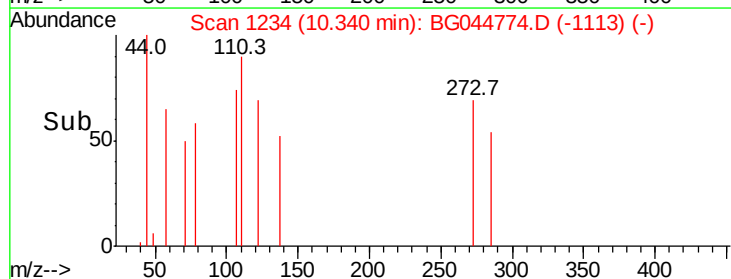
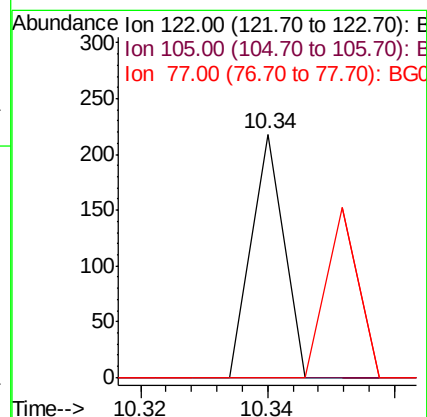
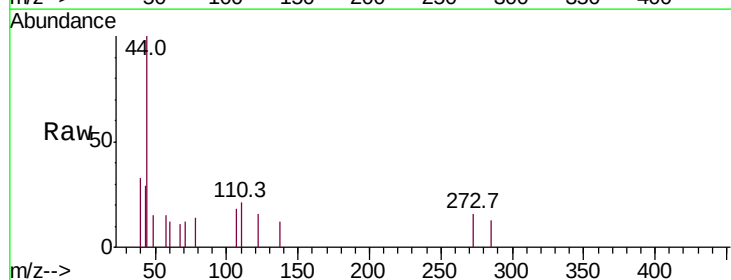
Instrument :
BNA_G
ClientSampleId :

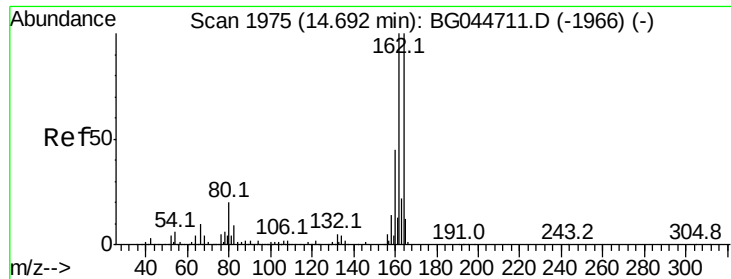
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#



#32
Benzoic acid
Concen: 9.681 ng
RT: 10.34 min Scan# 1234
Delta R.T. 0.18 min
Lab File: BG044774.D
Acq: 13 Mar 2020 19:35

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

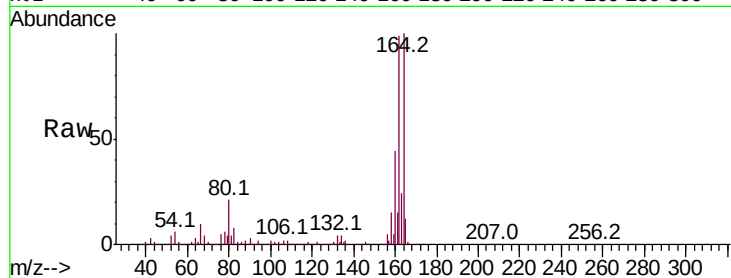




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BG044774.D
Acq: 13 Mar 2020 19:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.2	120.4
160	44.0	36.2	54.2

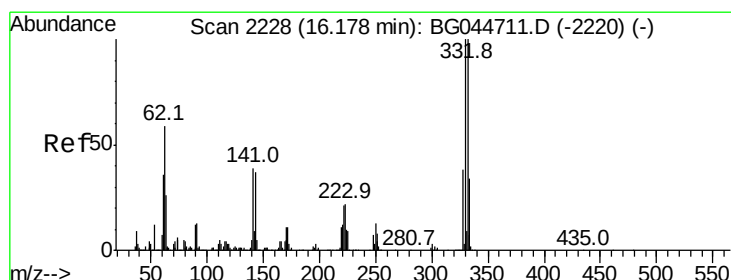
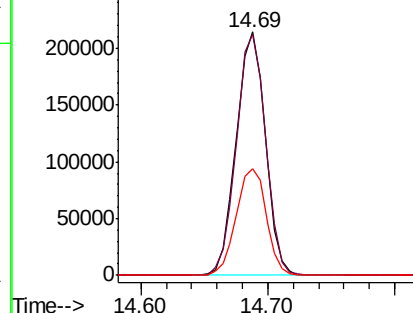
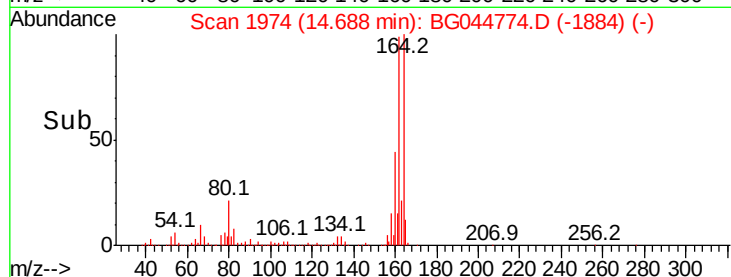


Abundance

Ion 164.00 (163.70 to 164.70): E

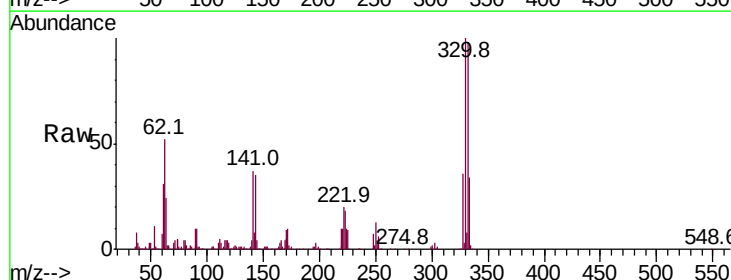
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 100.537 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BG044774.D
Acq: 13 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.0	77.5	116.3
141	37.0	31.7	47.5

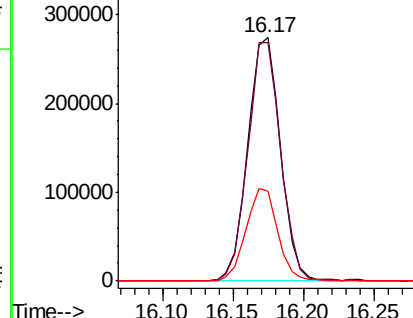
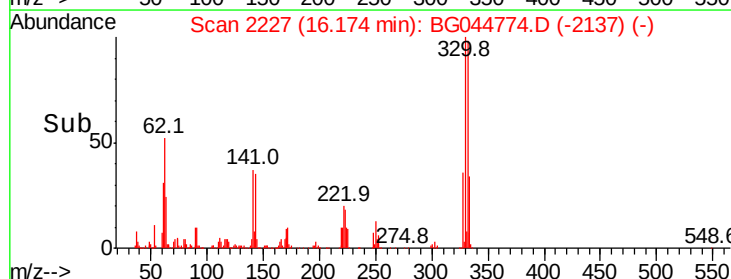


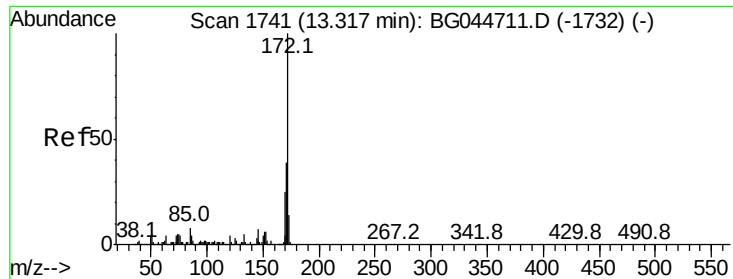
Abundance

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: 62.481 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BG044774.D

Acq: 13 Mar 2020 19:35

Instrument :

BNA_G

ClientSampleId :

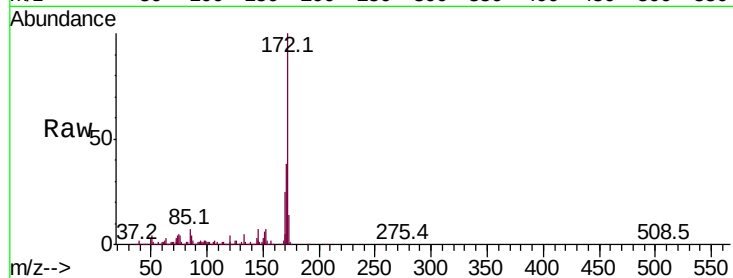
Tot Ion:172 Resp: 1477945

Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.8	46.2
170	25.4	20.0	30.0

172 100

171 38.1 30.8 46.2

170 25.4 20.0 30.0

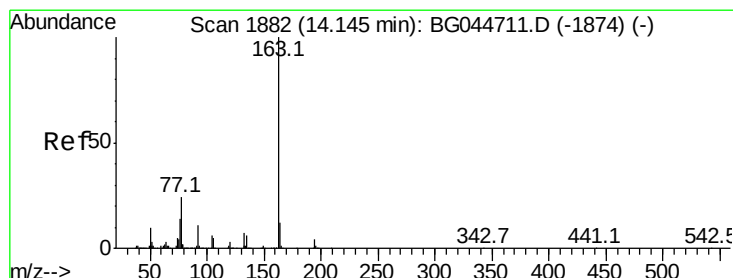
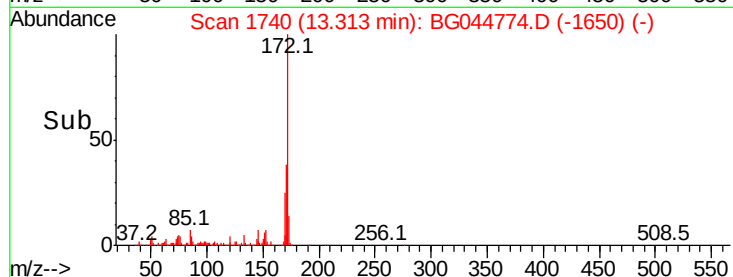
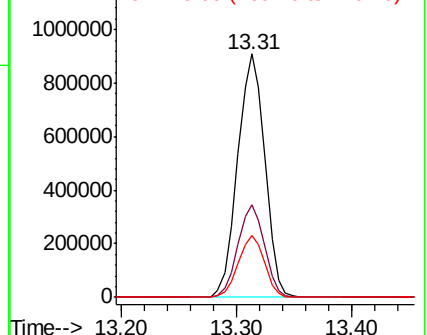


Abundance

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



#50

Dimethylphthalate

Concen: 6.875 ng

RT: 14.14 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BG044774.D

Acq: 13 Mar 2020 19:35

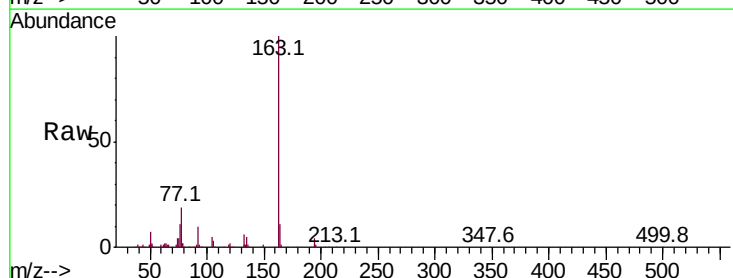
Tgt Ion:163 Resp: 185479

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.5	9.2	13.8

163 100

194 4.3 3.5 5.3

164 10.5 9.2 13.8

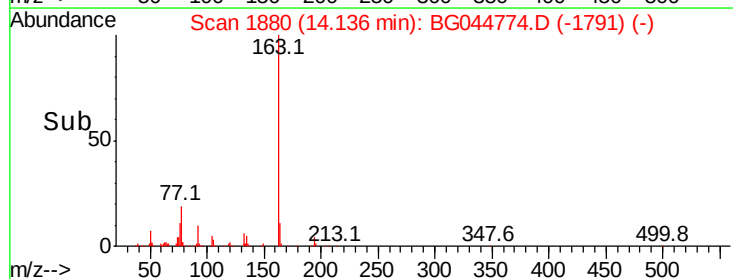
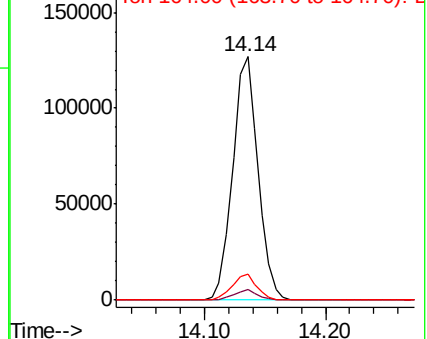


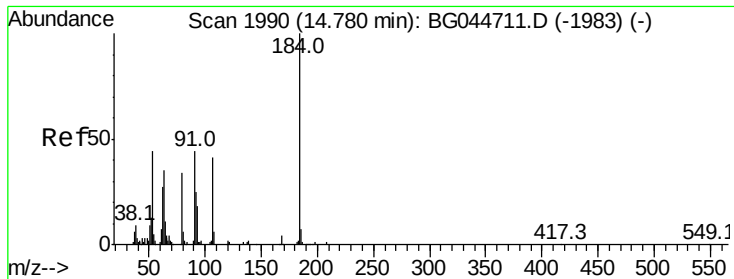
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

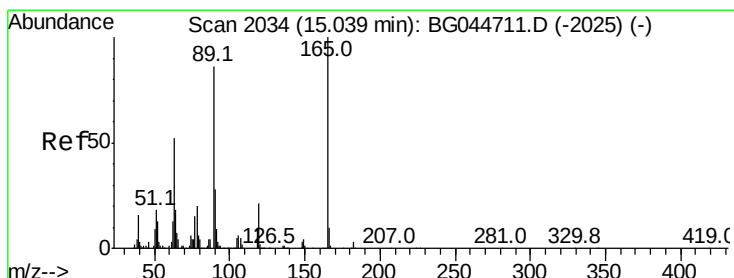
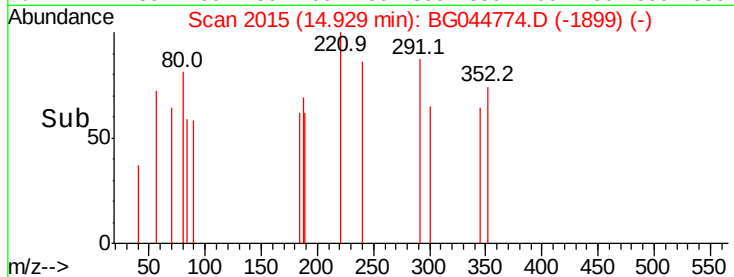
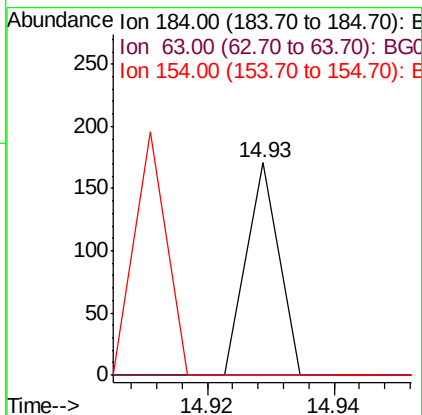
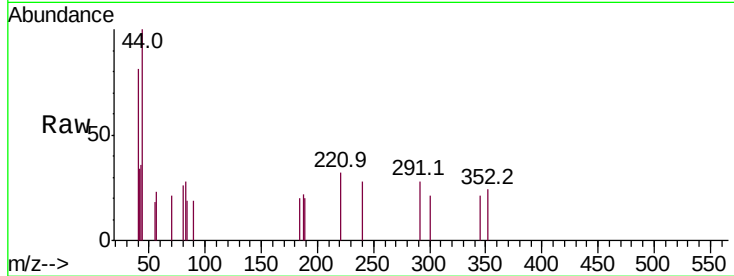




#54
2,4-Dinitrophenol
Concen: 8.342 ng
RT: 14.93 min Scan# 2015
Delta R.T. 0.15 min
Lab File: BG044774.D
Acq: 13 Mar 2020 19:35

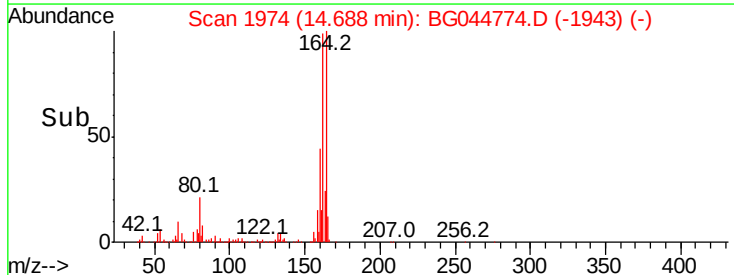
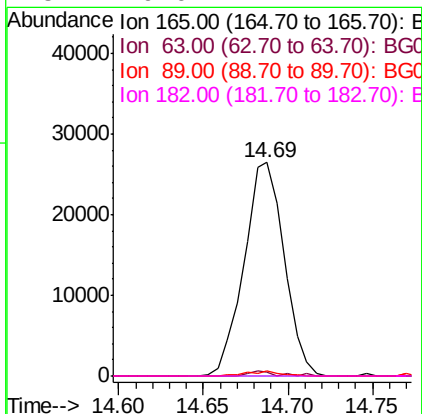
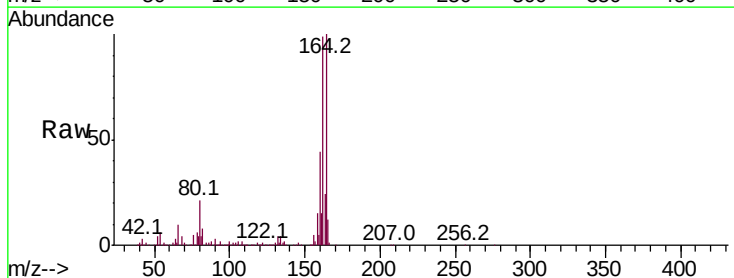
Instrument :
BNA_G
ClientSampleId :

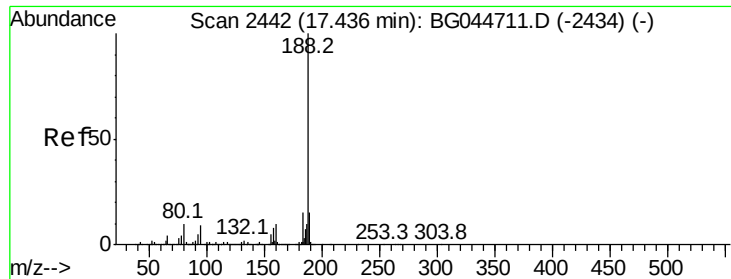
Tot Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 0.0 49.0 73.6#
154 0.0 94.5 141.7#



#57
2,4-Dinitrotoluene
Concen: 5.863 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044774.D
Acq: 13 Mar 2020 19:35

Tgt Ion:165 Resp: 43729
Ion Ratio Lower Upper
165 100
63 1.9 41.5 62.3#
89 2.3 69.0 103.4#
182 0.0 2.7 4.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BG044774.D

Acq: 13 Mar 2020 19:35

Instrument :

BNA_G

ClientSampleId :

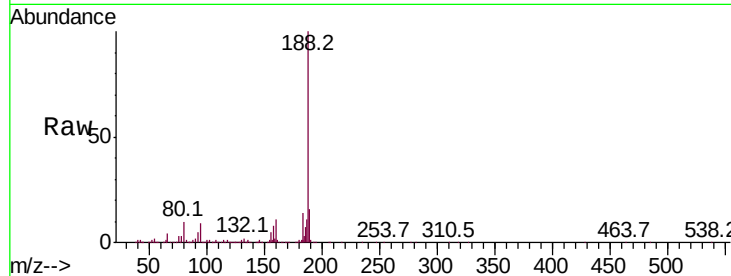
Tot Ion:188 Resp: 718164

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.6

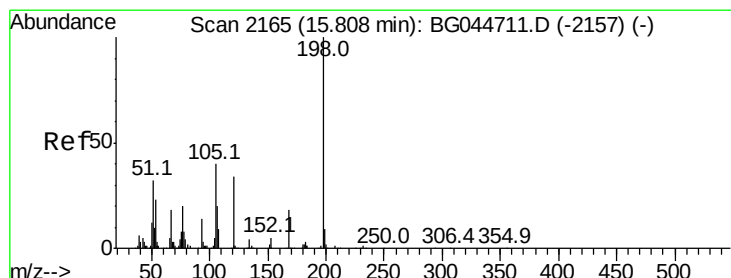
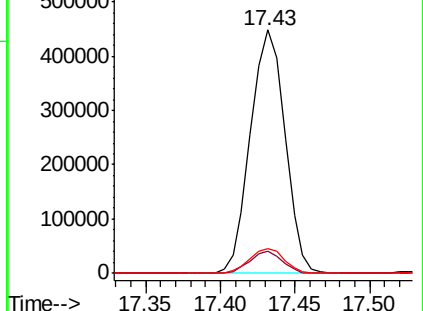
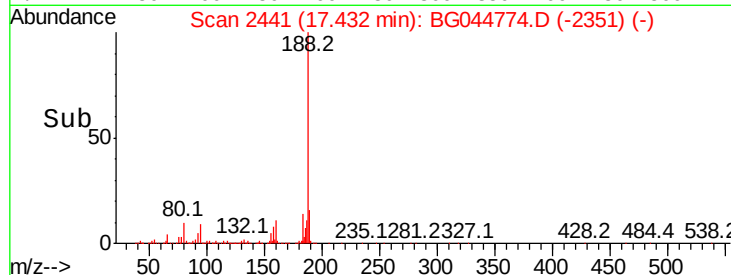
80 10.0 8.4 12.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.776 ng

RT: 15.83 min Scan# 2169

Delta R.T. 0.03 min

Lab File: BG044774.D

Acq: 13 Mar 2020 19:35

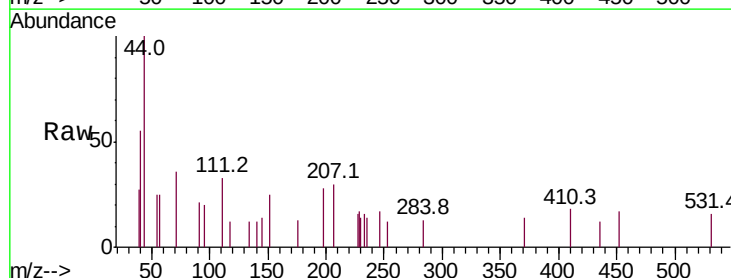
Tgt Ion:198 Resp: 193

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

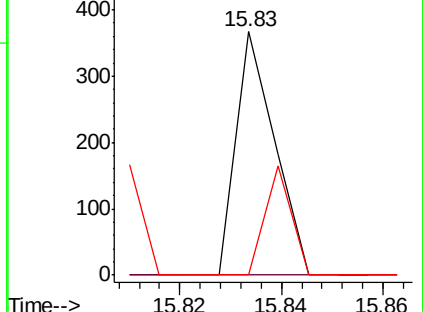
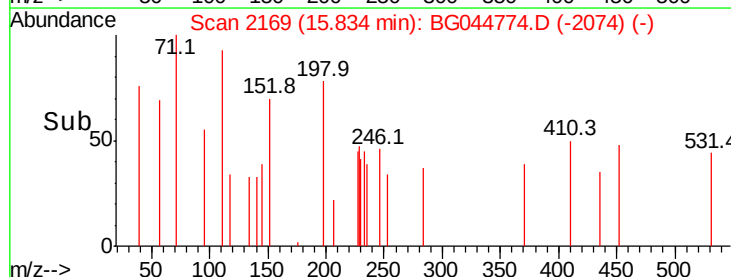
105 0.0 21.3 61.3#

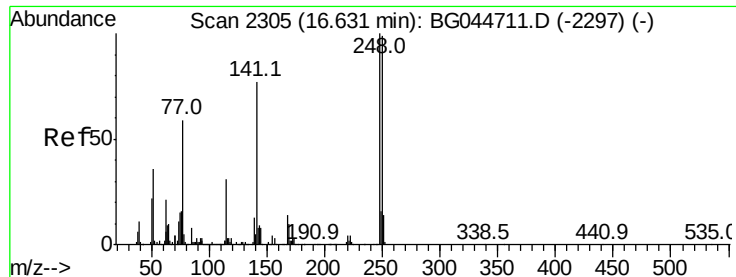


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.478 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG044774.D

Acq: 13 Mar 2020 19:35

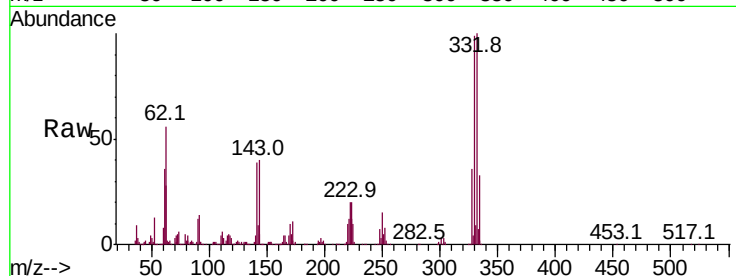
Instrument :

BNA_G

ClientSampleId :

Tot Ion:248 Resp: 31228

Ion	Ratio	Lower	Upper
248	100		
250	200.4	79.4	119.0#
141	536.1	61.7	92.5#

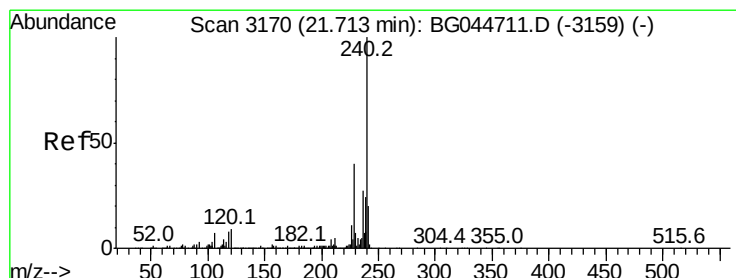
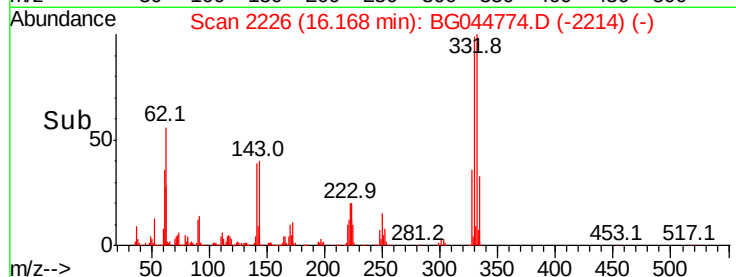
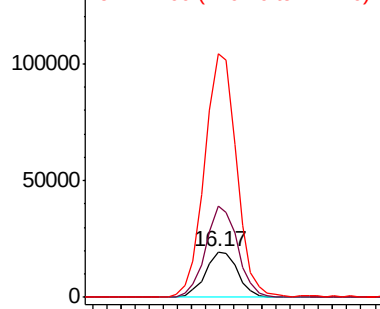


Abundance

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: 21.70 min Scan# 3168

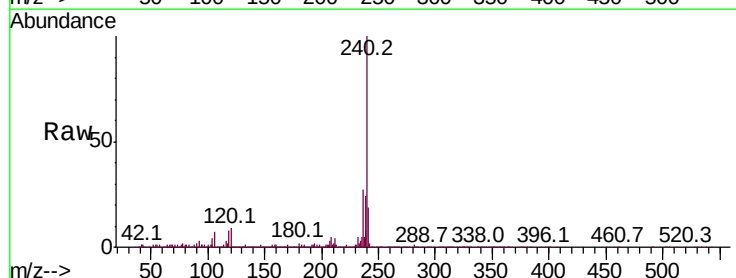
Delta R.T. -0.01 min

Lab File: BG044774.D

Acq: 13 Mar 2020 19:35

Tgt Ion:240 Resp: 579293

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.9	10.3
236	26.6	21.9	32.9

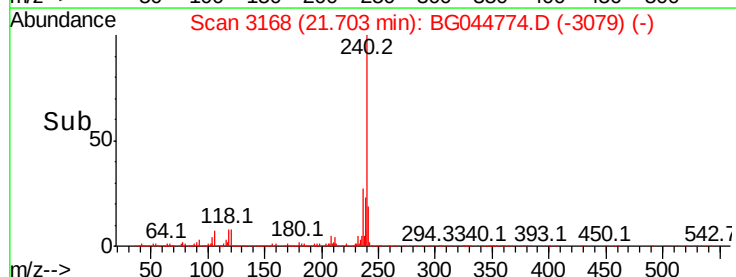
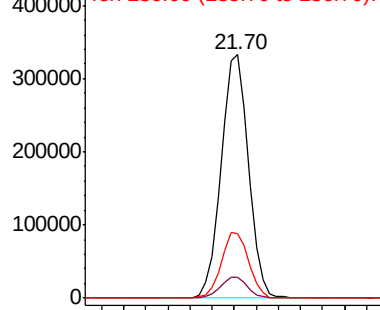


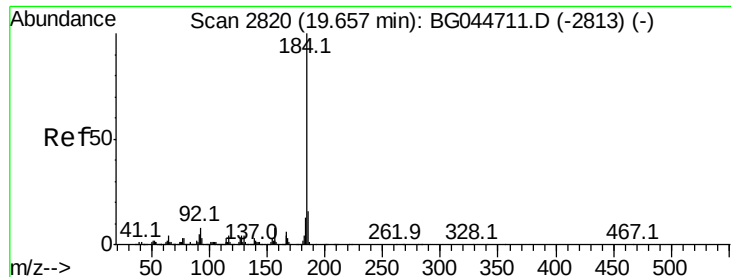
Abundance

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: 2.147 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044774.D

Acq: 13 Mar 2020 19:35

Instrument :

BNA_G

ClientSampleId :

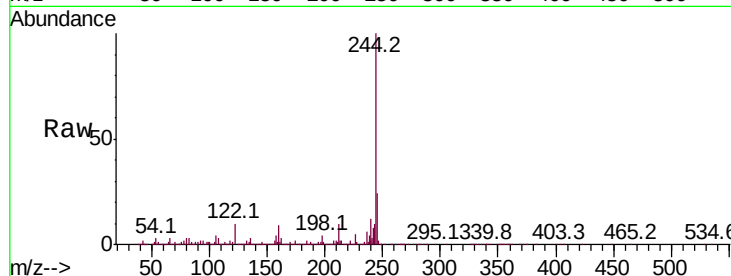
Tot Ion:184 Resp: 40381

Ion Ratio Lower Upper

184 100

185 18.6 12.9 19.3

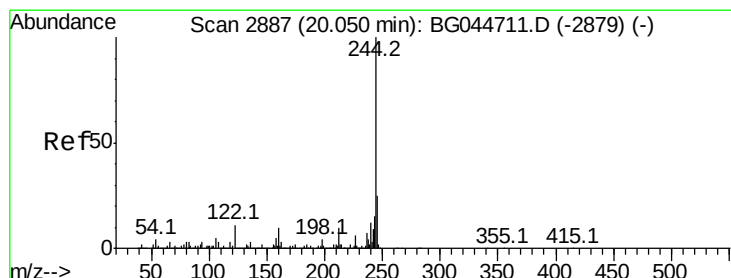
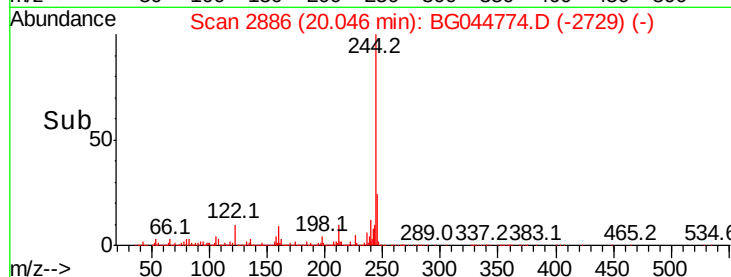
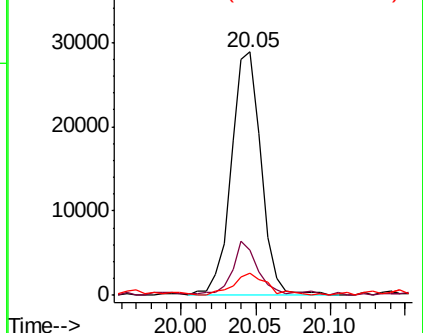
183 9.2 10.6 15.8#



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: 65.497 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG044774.D

Acq: 13 Mar 2020 19:35

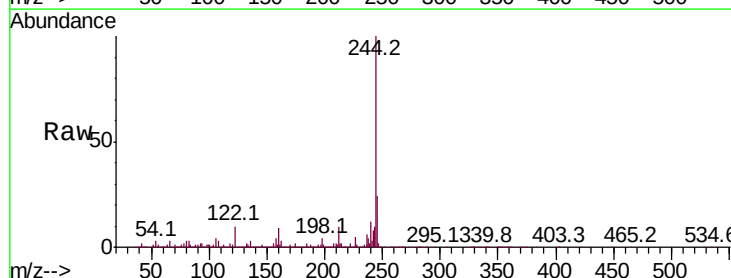
Tgt Ion:244 Resp: 2028373

Ion Ratio Lower Upper

244 100

212 9.9 8.4 12.6

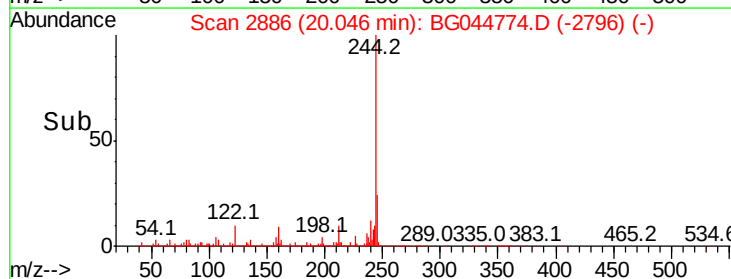
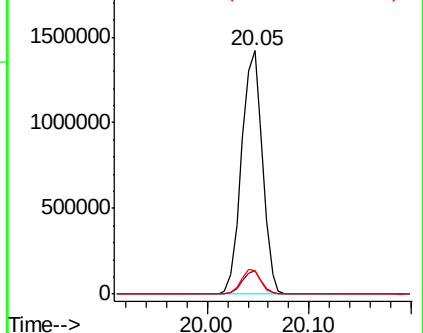
122 9.8 8.7 13.1

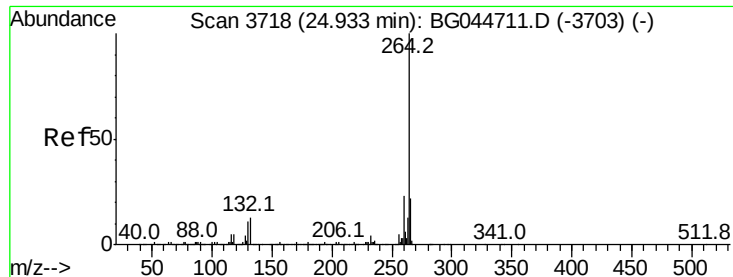


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3715
 Delta R.T. -0.02 min
 Lab File: BG044774.D
 Acq: 13 Mar 2020 19:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.4	27.6
265	21.5	17.4	26.2

