

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
 Data File : BG044785.D
 Acq On : 14 Mar 2020 5:31
 Operator : CG/JU
 Sample : PB127427TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 06:36:01 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	119045	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	485444	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	327783	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	675598	20.00	ng	0.00
76) Chrysene-d12	21.70	240	556614	20.00	ng	-0.01
87) Perylene-d12	24.91	264	604677	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	758615	99.20	ng	0.00
7) Phenol-d6	7.21	99	1091033	98.19	ng	0.00
23) Nitrobenzene-d5	9.20	82	734340	66.38	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	422151	98.36	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1527274	66.72	ng	0.00
79) Terphenyl-d14	20.04	244	2095874	70.43	ng	0.00

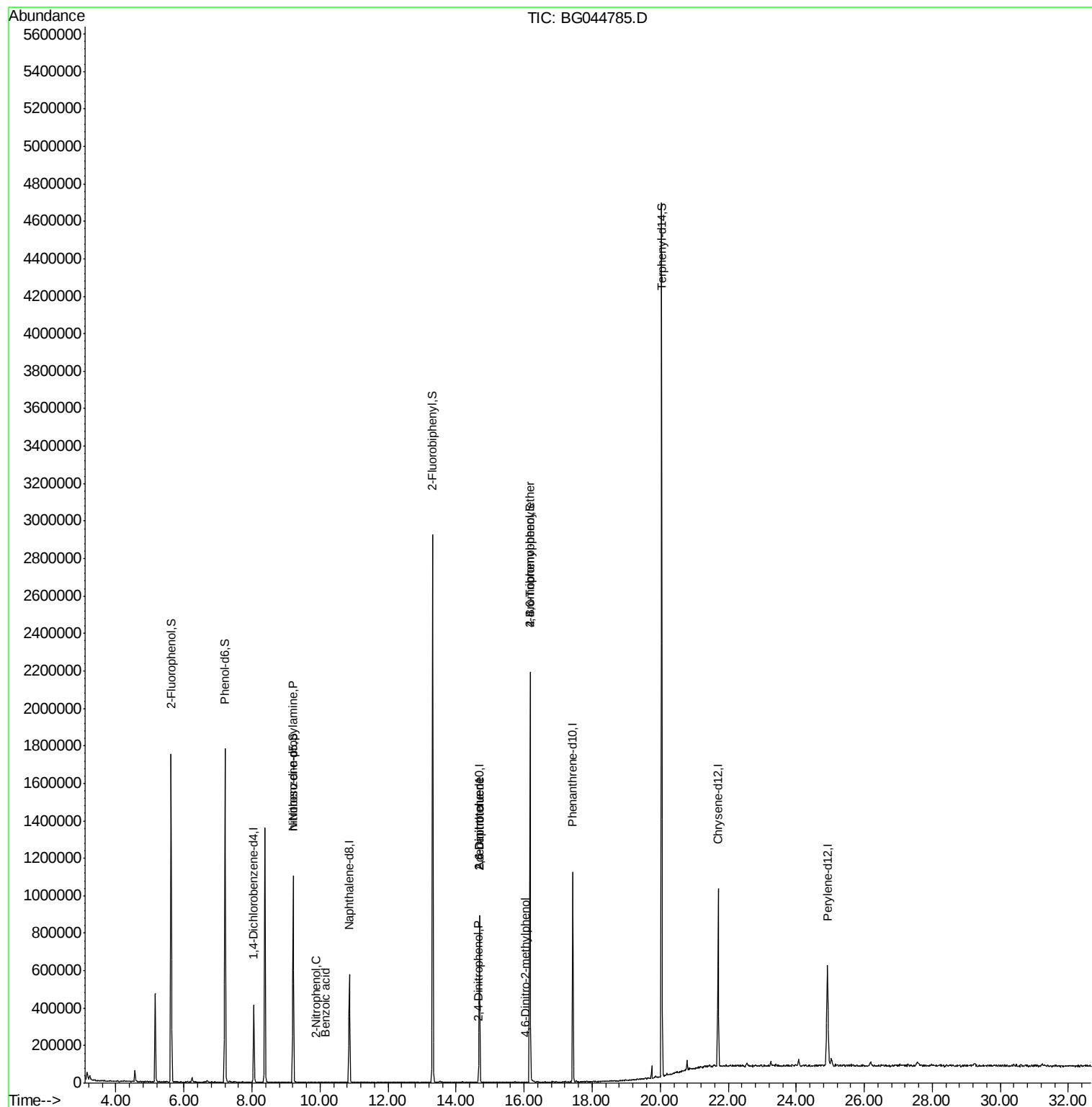
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	2160	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.21	70	99113	12.633	ng	# 74
26) 2-Nitrophenol	9.87	139	65	5.530	ng	# 28
32) Benzoic acid	10.16	122	55	9.678	ng	# 1
51) 2,6-Dinitrotoluene	14.69	165	42513	8.079	ng	# 19
54) 2,4-Dinitrophenol	14.66	184	61	8.343	ng	# 2
57) 2,4-Dinitrotoluene	14.69	165	42513	5.891	ng	# 16
65) 4,6-Dinitro-2-methylphenol	16.05	198	101	7.755	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	28069	3.323	ng	# 1

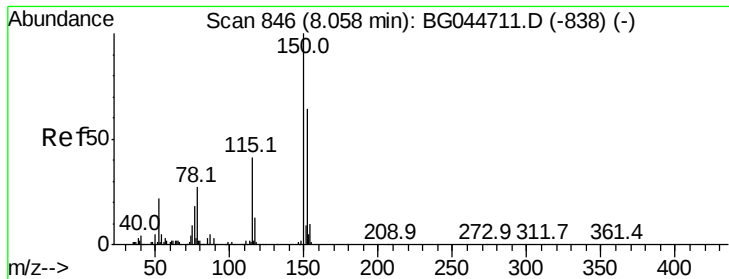
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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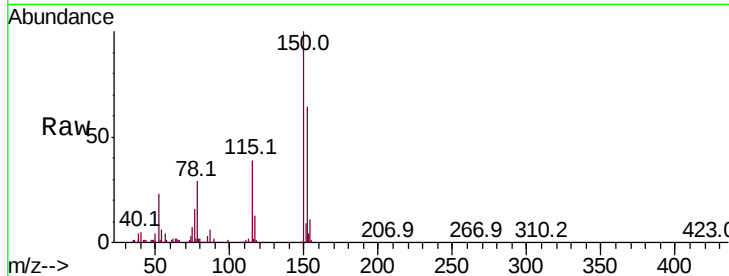


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BG044785.D
 Acq: 14 Mar 2020 5:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.3	187.9
115	60.8	51.7	77.5

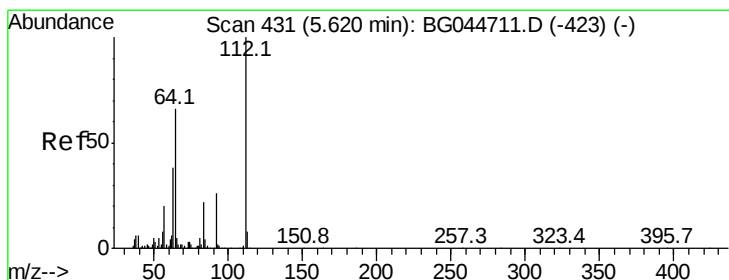
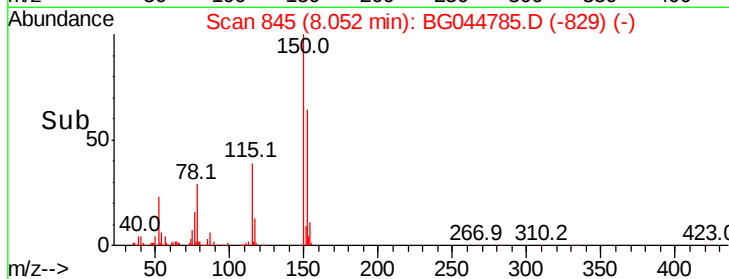
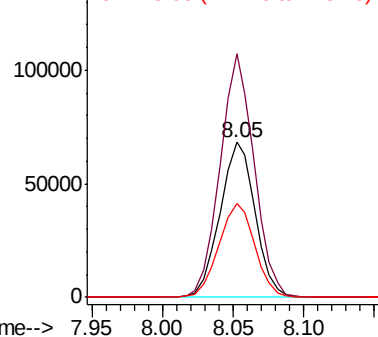


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

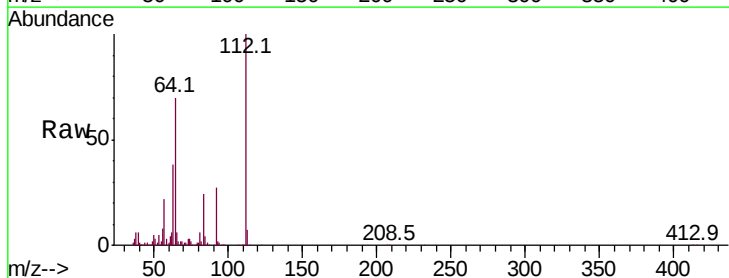
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 99.200 ng
 RT: 5.62 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: BG044785.D
 Acq: 14 Mar 2020 5:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.6	52.6	78.8
63	37.6	30.2	45.4

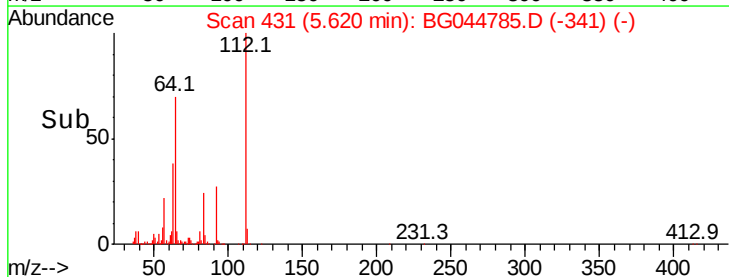
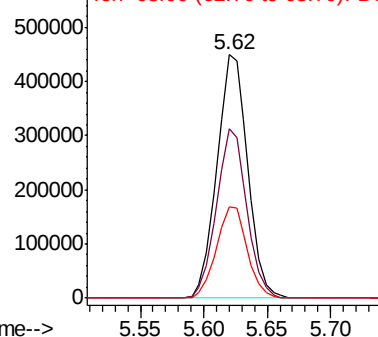


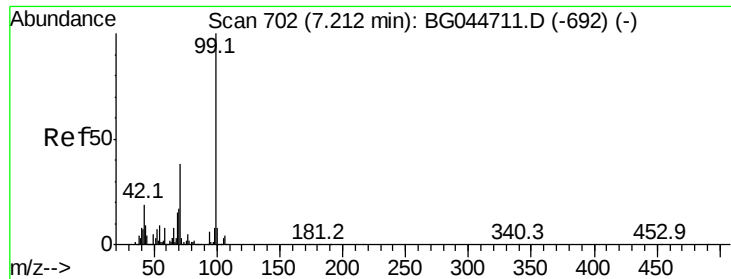
Abundance

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: 98.194 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044785.D

Acq: 14 Mar 2020 5:31

Instrument :

BNA_G

ClientSampleId :

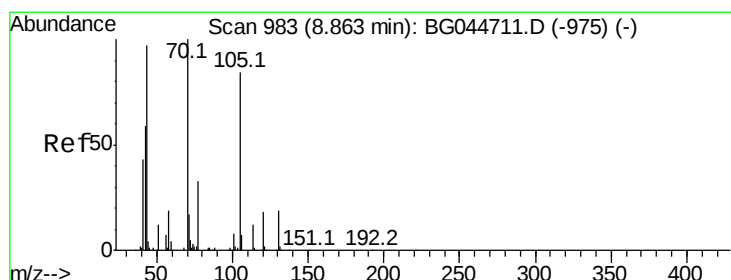
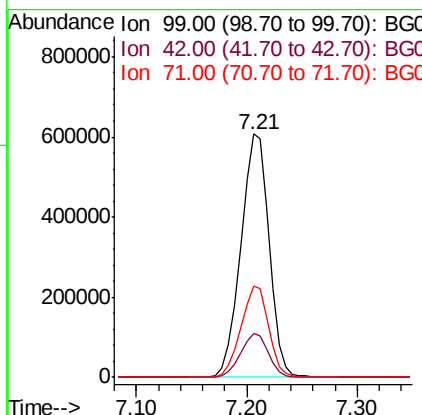
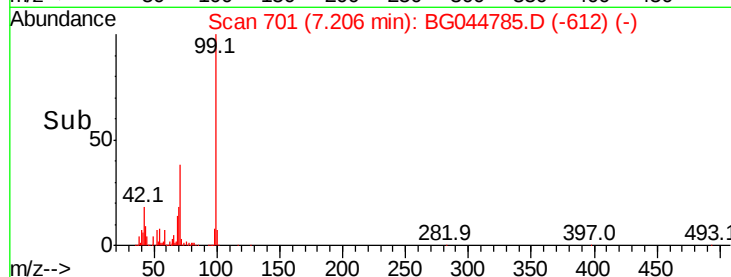
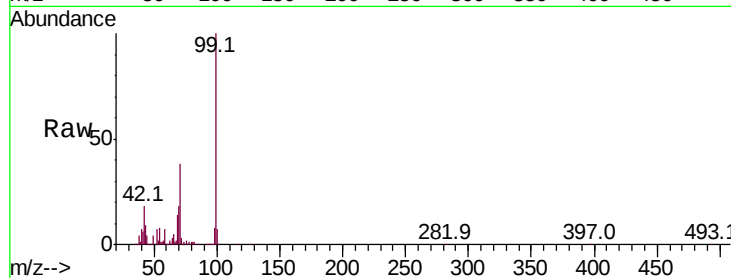
Tot Ion: 99 Resp: 1091033

Ion Ratio Lower Upper

99 100

42 17.8 15.4 23.0

71 37.5 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.633 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044785.D

Acq: 14 Mar 2020 5:31

Tgt Ion: 70 Resp: 99113

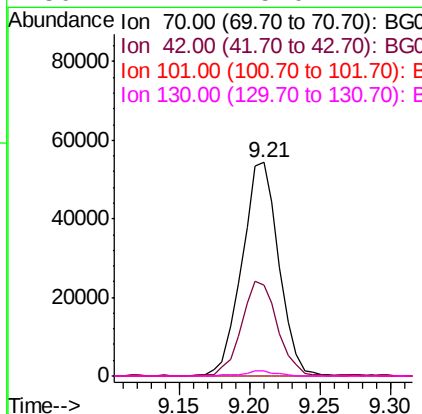
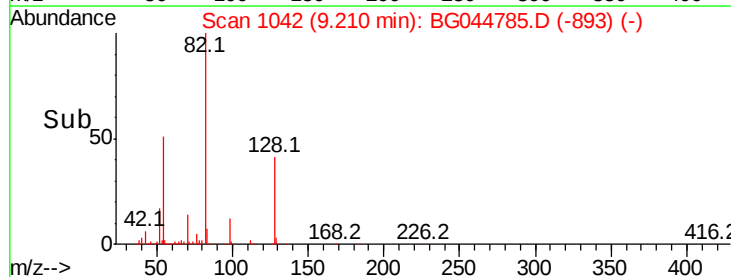
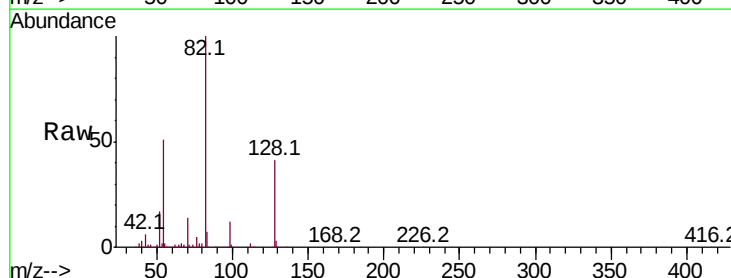
Ion Ratio Lower Upper

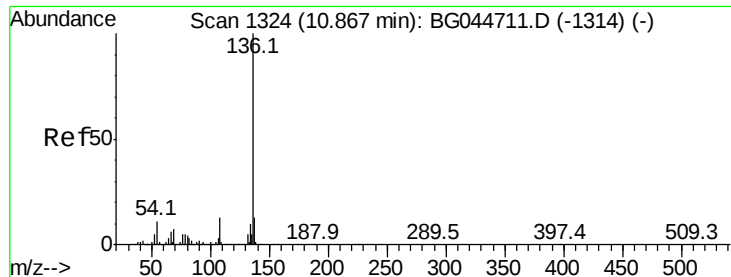
70 100

42 42.5 47.6 71.4#

101 0.0 6.5 9.7#

130 2.2 15.0 22.4#

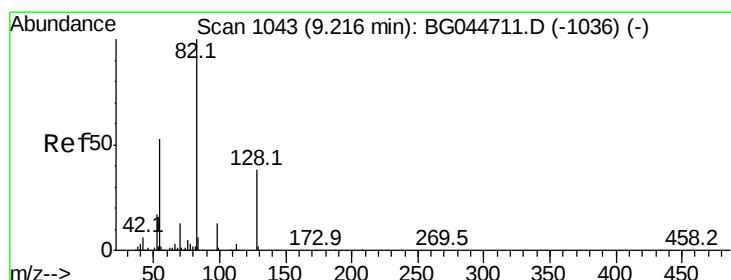
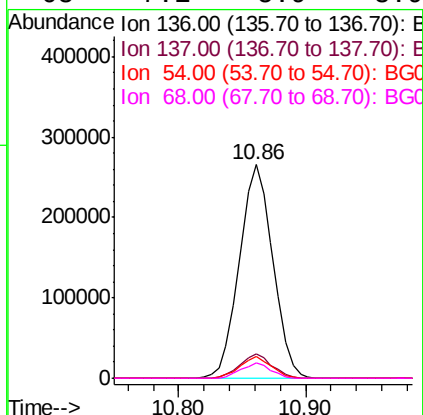
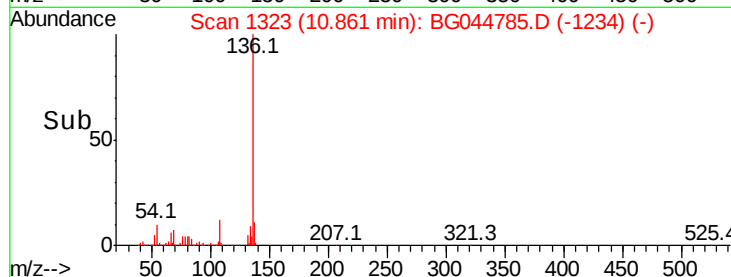
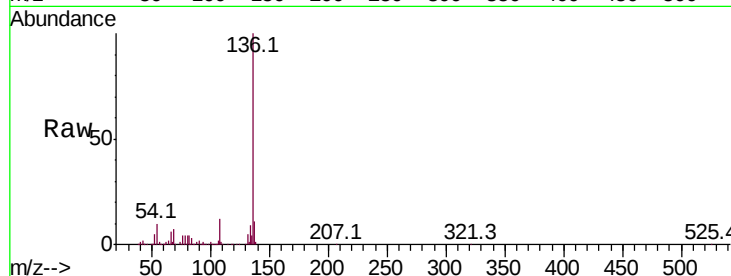




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044785.D
Acq: 14 Mar 2020 5:31

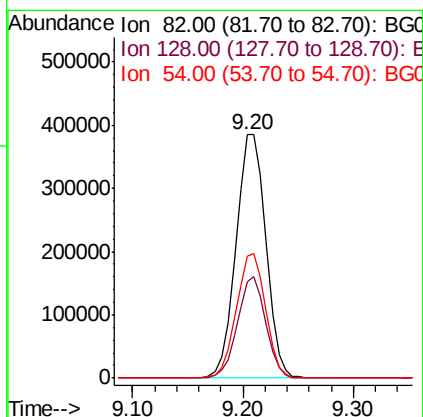
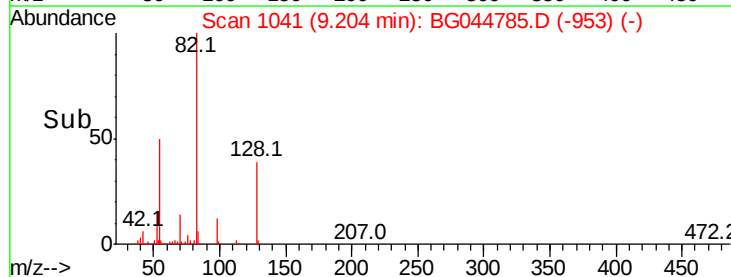
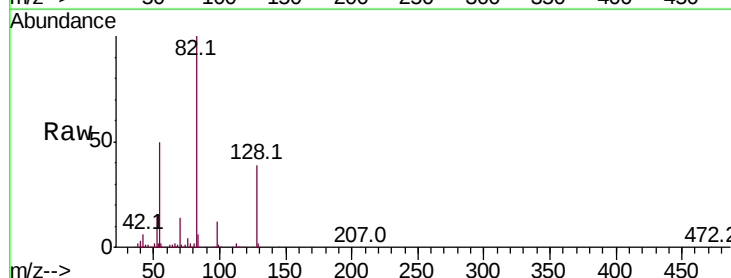
Instrument :
BNA_G
ClientSampleId :

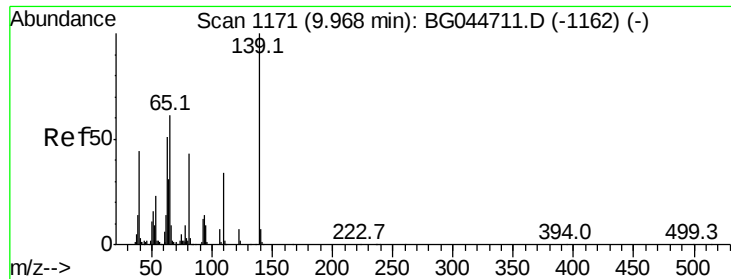
Tot Ion:136	Resp: 485444
Ion Ratio	Lower Upper
136 100	
137 11.1	10.7 16.1
54 9.9	9.0 13.4
68 7.1	5.9 8.9



#23
Nitrobenzene-d5
Concen: 66.380 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG044785.D
Acq: 14 Mar 2020 5:31

Tgt Ion	82	Resp: Lower	734340 Upper
	Ratio 100		
128	39.3	30.2	45.2
54	50.0	41.8	62.8

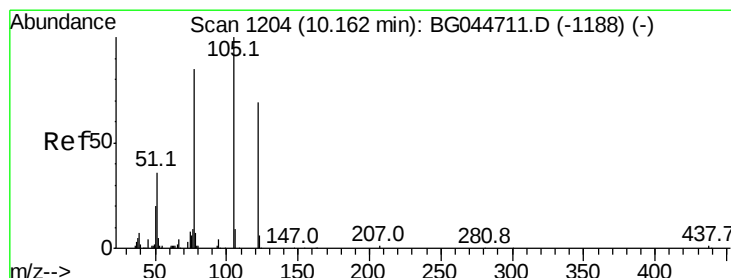
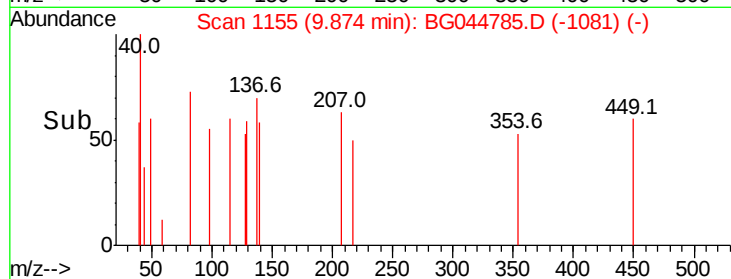
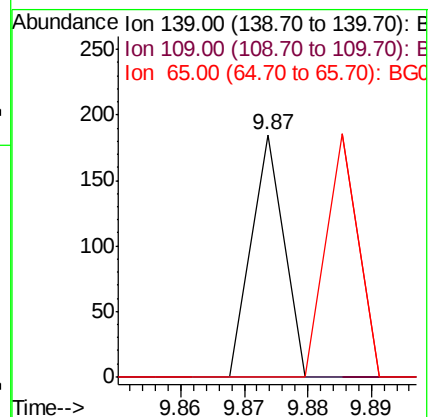
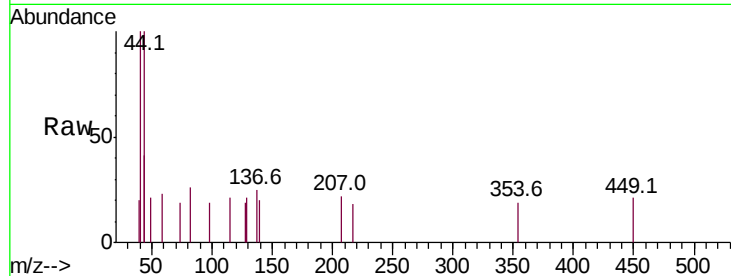




#26
2-Nitrophenol
Concen: 5.530 ng
RT: 9.87 min Scan# 1155
Delta R.T. -0.09 min
Lab File: BG044785.D
Acq: 14 Mar 2020 5:31

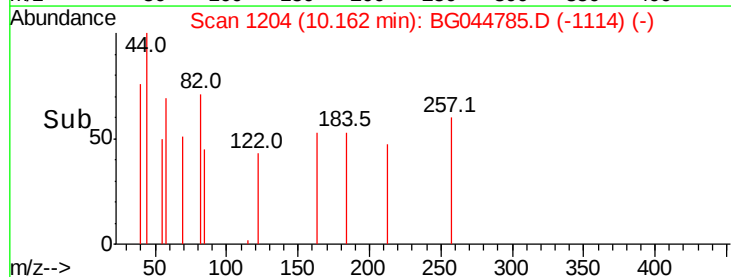
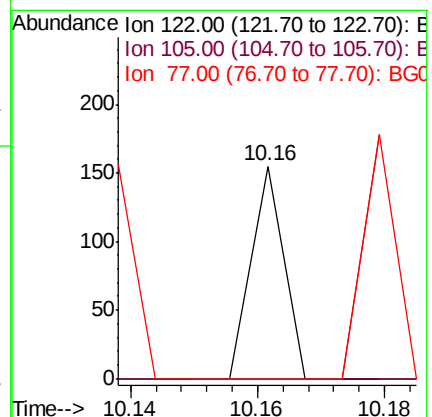
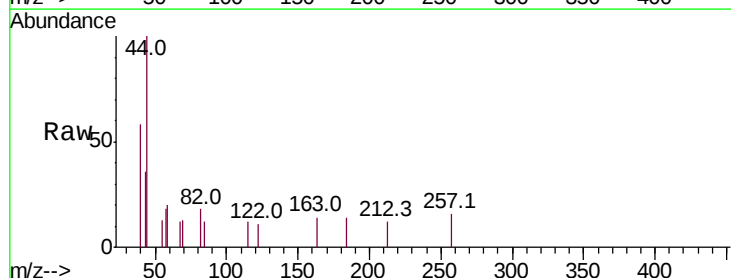
Instrument :
BNA_G
ClientSampled :

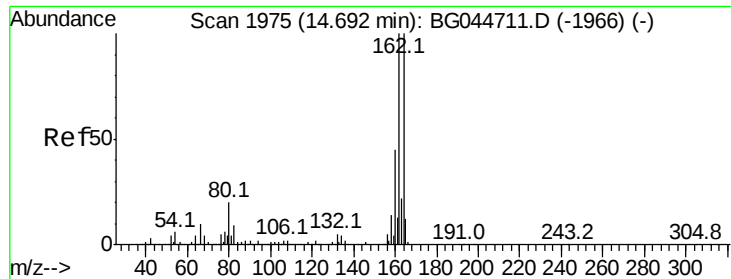
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#



#32
Benzoic acid
Concen: 9.678 ng
RT: 10.16 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BG044785.D
Acq: 14 Mar 2020 5:31

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. -0.01 min

Lab File: BG044785.D

Acq: 14 Mar 2020 5:31

Instrument :

BNA_G

ClientSampleId :

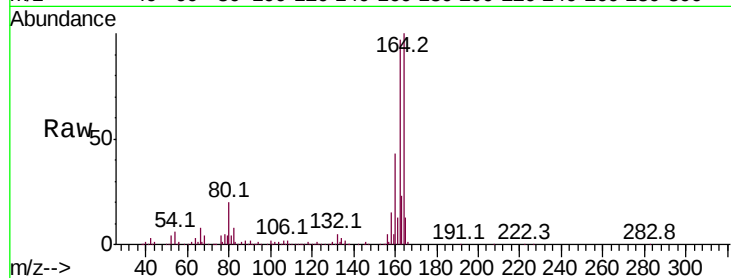
Tot Ion:164 Resp: 327783

Ion Ratio Lower Upper

164 100

162 96.9 80.2 120.4

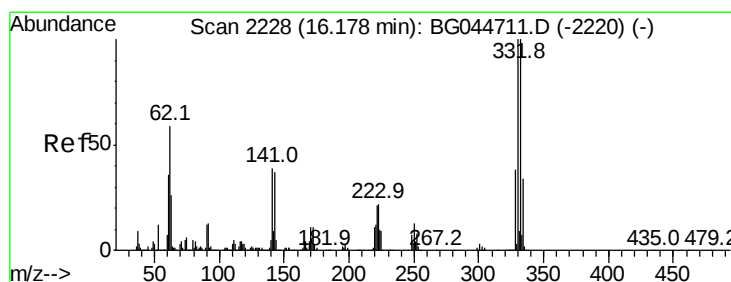
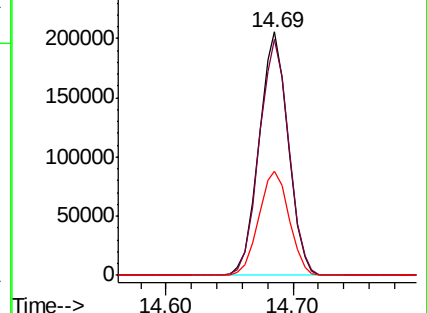
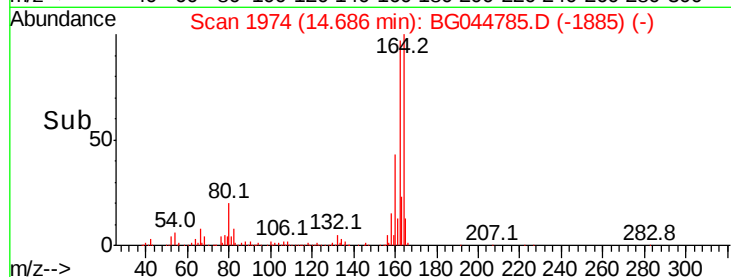
160 42.6 36.2 54.2



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: 98.362 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG044785.D

Acq: 14 Mar 2020 5:31

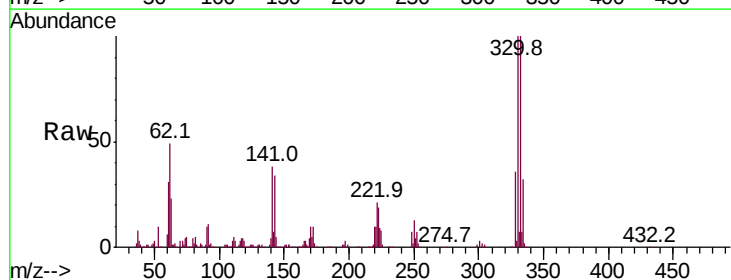
Tgt Ion:330 Resp: 422151

Ion Ratio Lower Upper

330 100

332 98.6 77.5 116.3

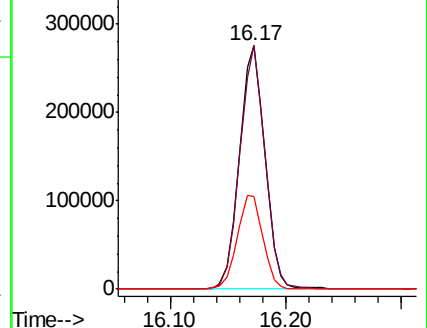
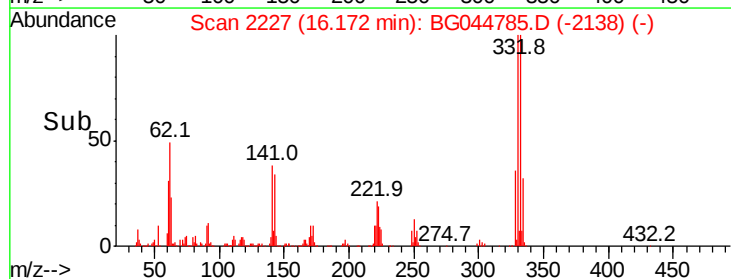
141 39.1 31.7 47.5

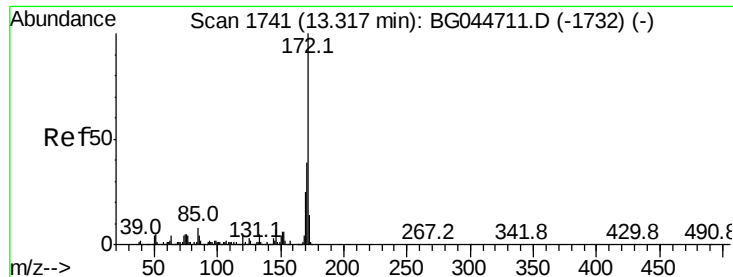


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 66.724 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG044785.D

Acq: 14 Mar 2020 5:31

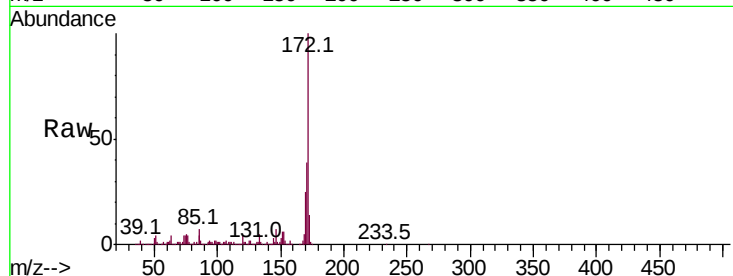
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 1527274

Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.8	46.2
170	25.0	20.0	30.0

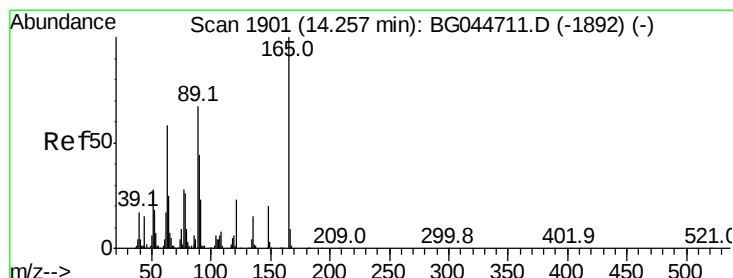
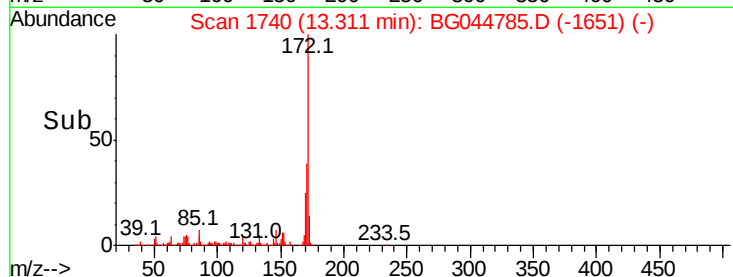
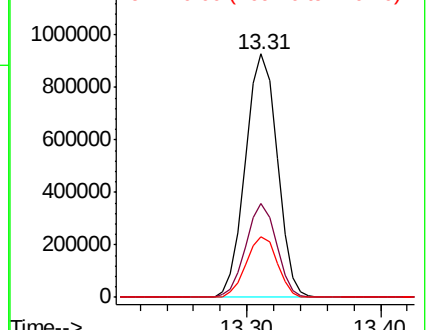


Abundance

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: 8.079 ng

RT: 14.69 min Scan# 1974

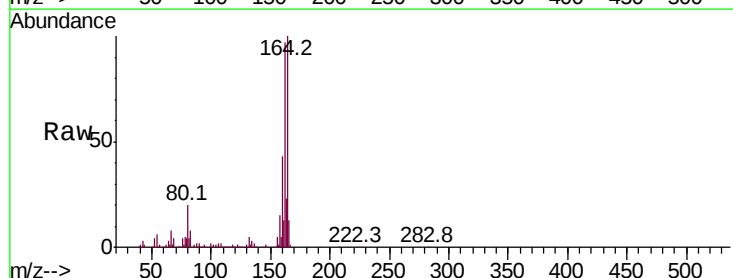
Delta R.T. 0.43 min

Lab File: BG044785.D

Acq: 14 Mar 2020 5:31

Tgt Ion:165 Resp: 42513

Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	1.4	53.8	80.8#

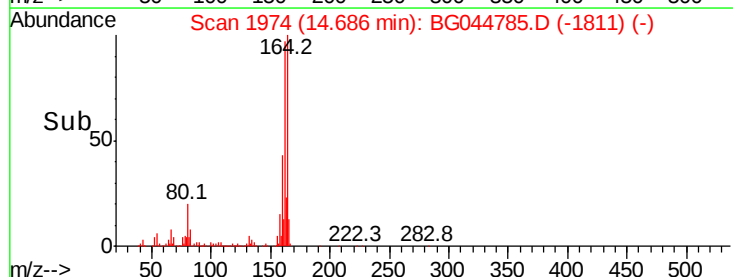
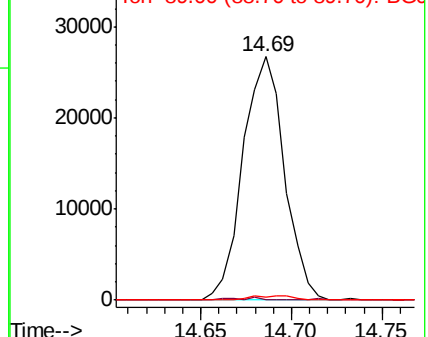


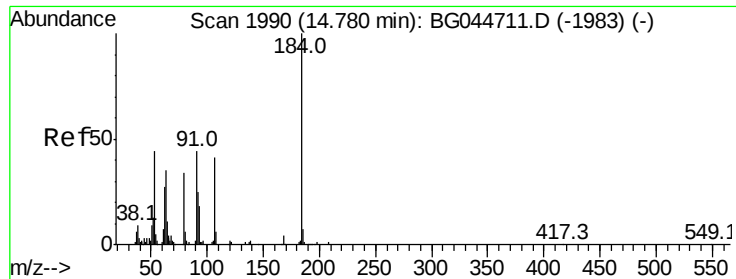
Abundance

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

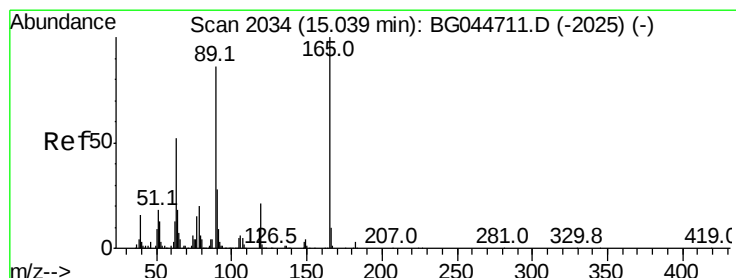
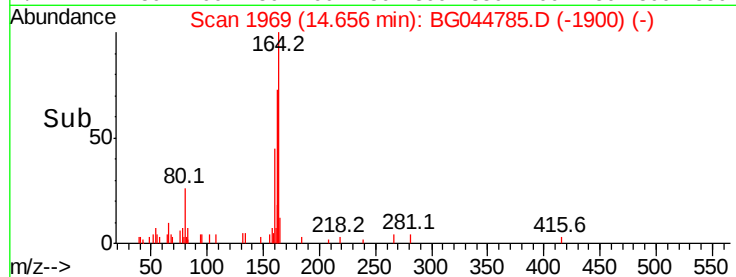
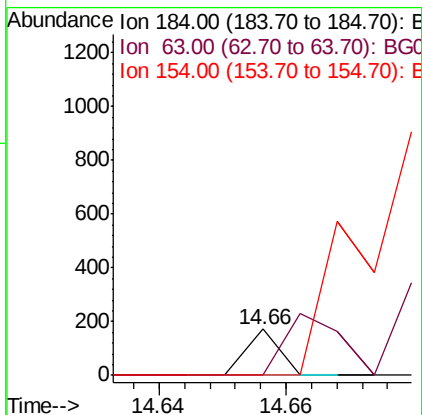
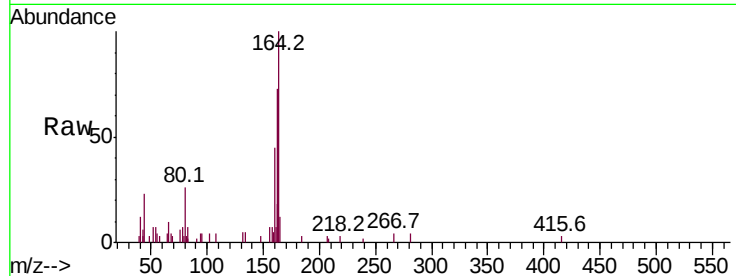




#54
 2,4-Dinitrophenol
 Concen: 8.343 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.12 min
 Lab File: BG044785.D
 Acq: 14 Mar 2020 5:31

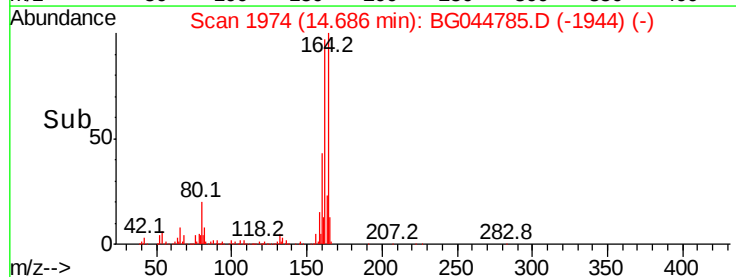
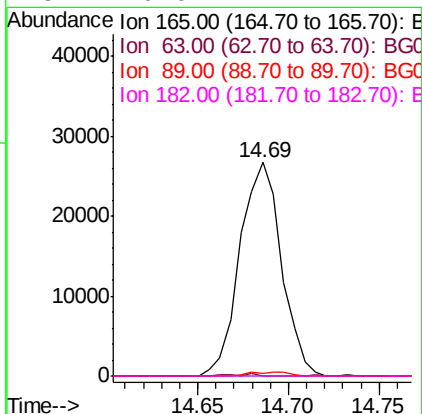
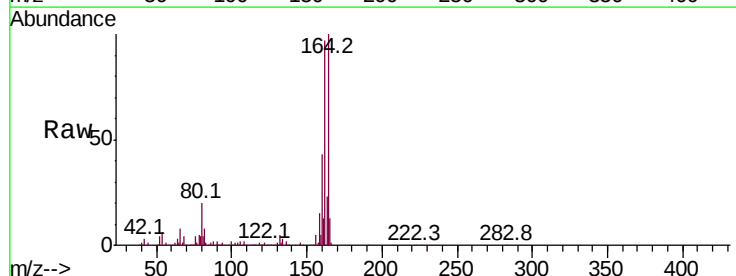
Instrument :
 BNA_G
 ClientSampleId :

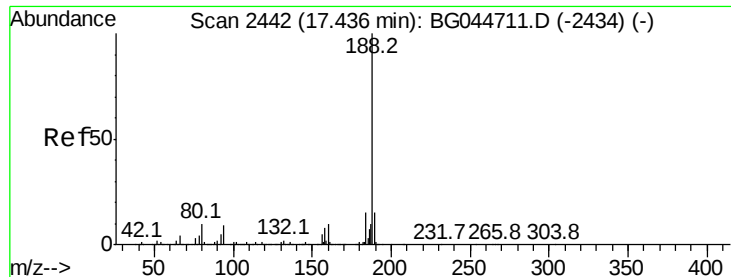
Tot Ion:184 Resp: 61
 Ion Ratio Lower Upper
 184 100
 63 0.0 49.0 73.6#
 154 0.0 94.5 141.7#



#57
 2,4-Dinitrotoluene
 Concen: 5.891 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.35 min
 Lab File: BG044785.D
 Acq: 14 Mar 2020 5:31

Tgt Ion:165 Resp: 42513
 Ion Ratio Lower Upper
 165 100
 63 0.0 41.5 62.3#
 89 1.4 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. -0.01 min

Lab File: BG044785.D

Acq: 14 Mar 2020 5:31

Instrument :

BNA_G

ClientSampleId :

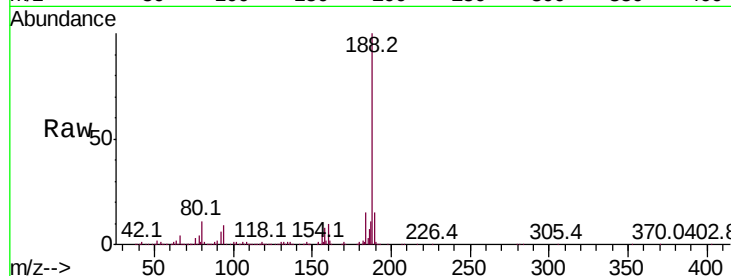
Tot Ion:188 Resp: 675598

Ion Ratio Lower Upper

188 100

94 8.7 7.0 10.6

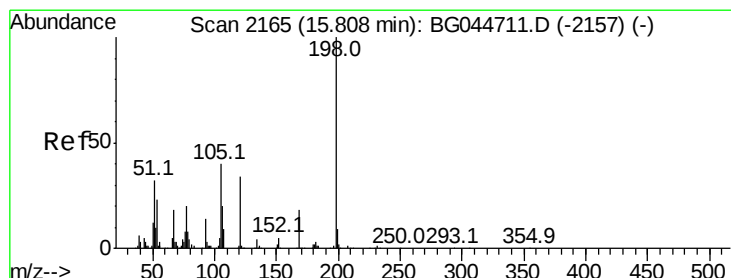
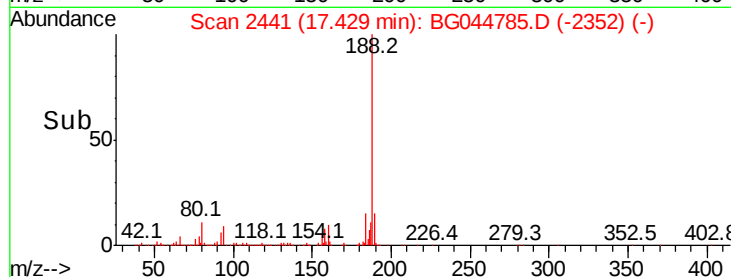
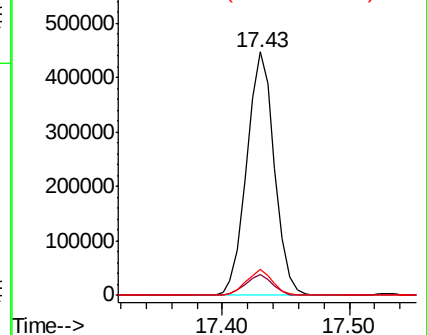
80 10.8 8.4 12.6



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: 7.755 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.24 min

Lab File: BG044785.D

Acq: 14 Mar 2020 5:31

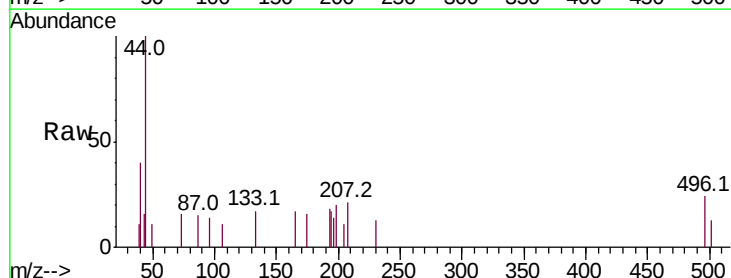
Tgt Ion:198 Resp: 101

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

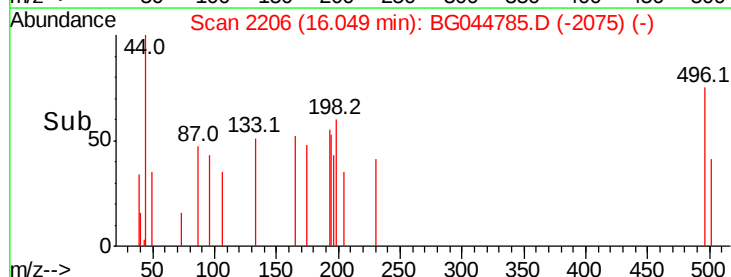
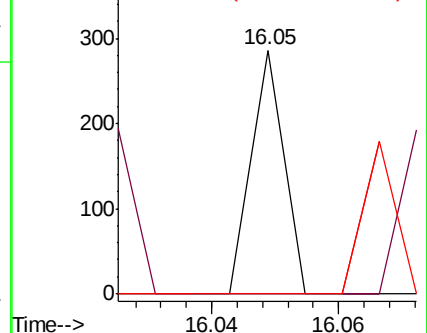
105 0.0 21.3 61.3#

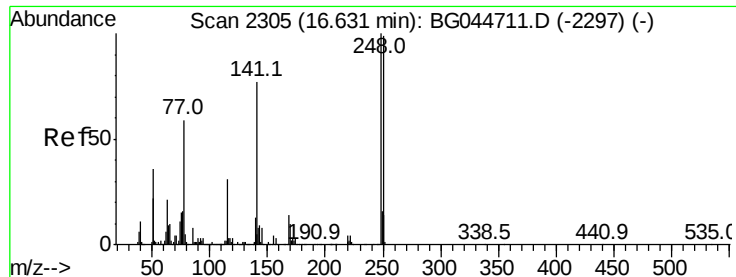


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

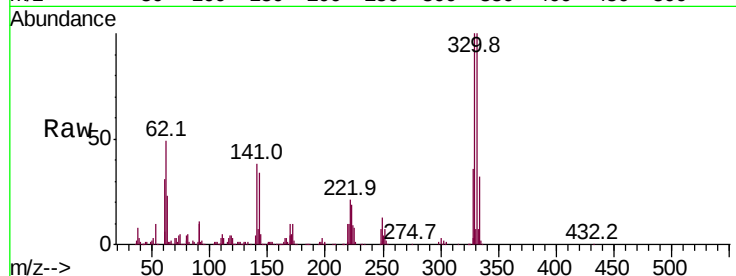




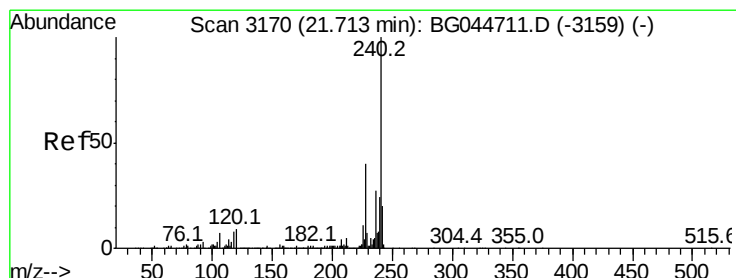
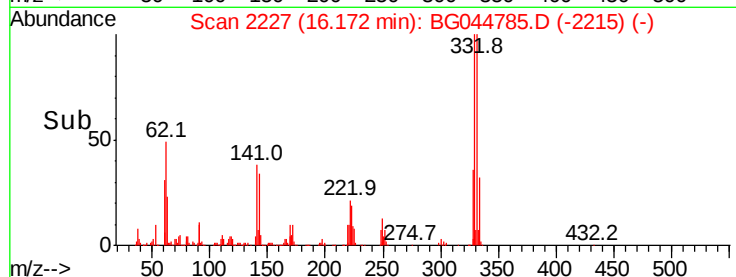
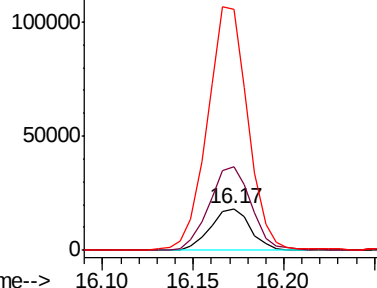
#67
 4-Bromophenyl-phenylether
 Concen: 3.323 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.46 min
 Lab File: BG044785.D
 Acq: 14 Mar 2020 5:31

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	199.2	79.4	119.0#
141	576.8	61.7	92.5#

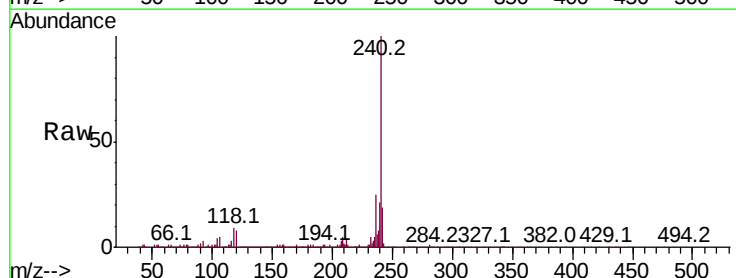


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

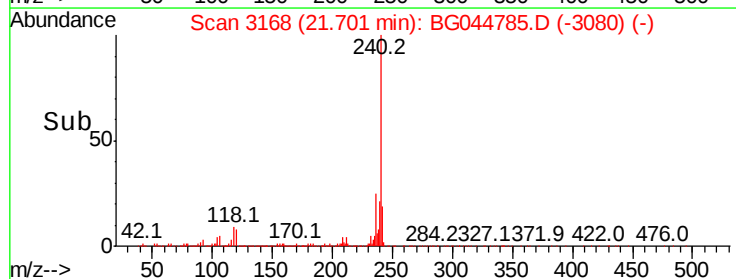
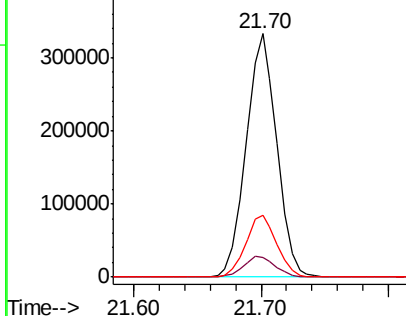


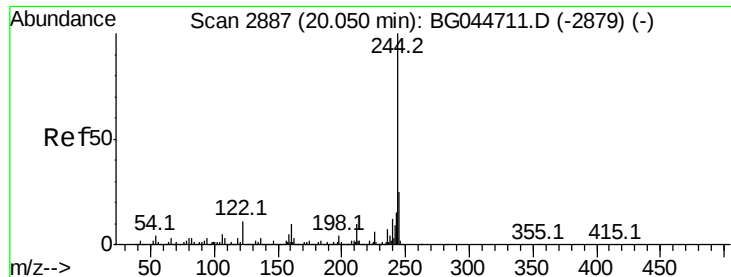
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.01 min
 Lab File: BG044785.D
 Acq: 14 Mar 2020 5:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.9	10.3
236	25.4	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





#79

Terphenyl-d14

Concen: 70.434 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044785.D

Acq: 14 Mar 2020 5:31

Instrument :

BNA_G

ClientSampleId :

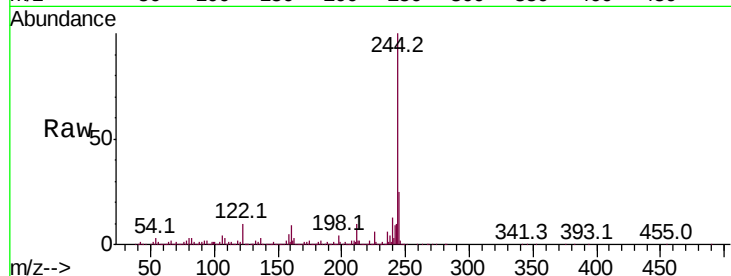
Tot Ion:244 Resp: 2095874

Ion Ratio Lower Upper

244 100

212 9.9 8.4 12.6

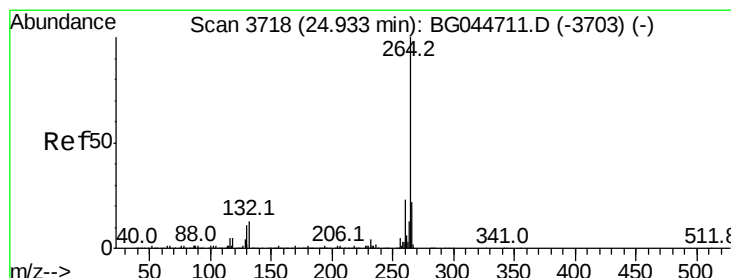
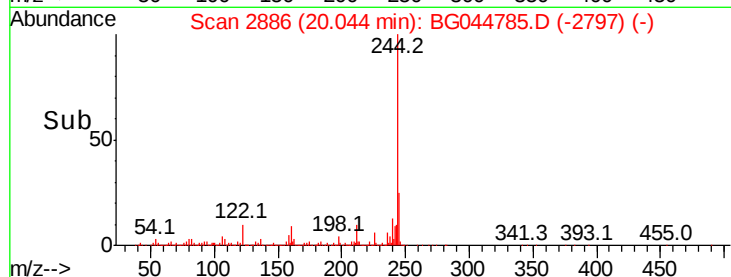
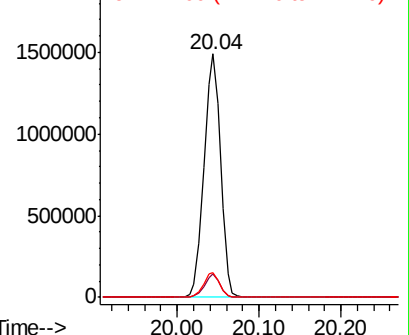
122 10.4 8.7 13.1



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

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3715

Delta R.T. -0.02 min

Lab File: BG044785.D

Acq: 14 Mar 2020 5:31

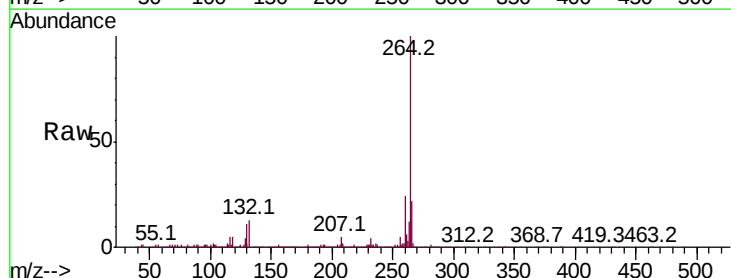
Tgt Ion:264 Resp: 604677

Ion Ratio Lower Upper

264 100

260 24.3 18.4 27.6

265 21.9 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

