

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
 Data File : BG044773.D
 Acq On : 13 Mar 2020 18:55
 Operator : CG/JU
 Sample : PB127481BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 23:05:44 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	116785	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	475943	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	331614	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	699586	20.00	ng	0.00
76) Chrysene-d12	21.70	240	550629	20.00	ng	-0.01
87) Perylene-d12	24.92	264	625715	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	829797	110.61	ng	0.00
7) Phenol-d6	7.21	99	1179915	108.25	ng	0.00
23) Nitrobenzene-d5	9.21	82	803532	74.08	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	492268	113.37	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1669800	72.11	ng	0.00
79) Terphenyl-d14	20.05	244	2279517	77.44	ng	0.00

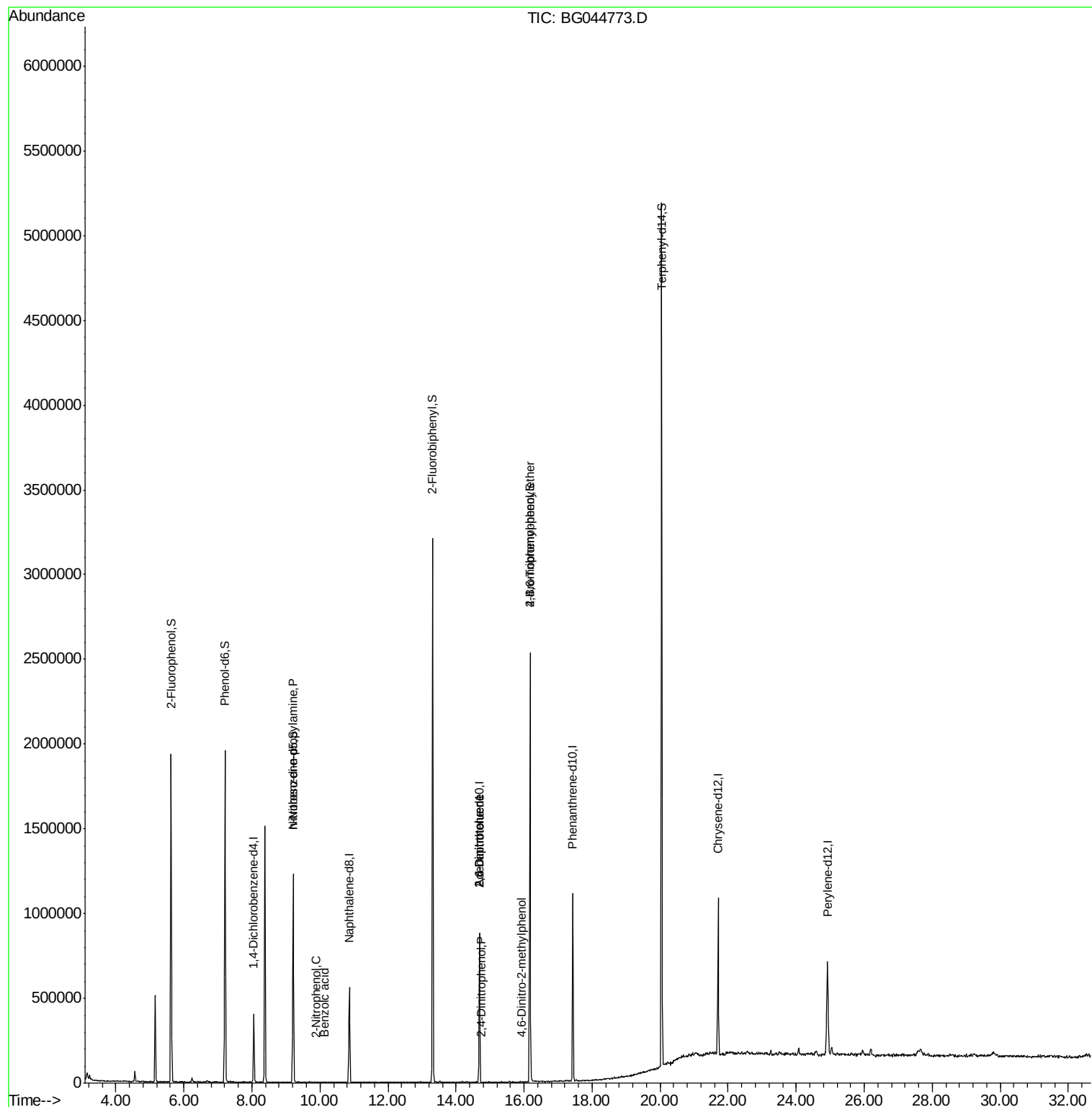
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.22	77	2550	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.21	70	104992	13.641	ng	# 71
26) 2-Nitrophenol	9.88	139	55	5.528	ng	# 28
32) Benzoic acid	10.13	122	57	9.678	ng	# 1
51) 2,6-Dinitrotoluene	14.68	165	44243	8.311	ng	# 20
54) 2,4-Dinitrophenol	14.74	184	59	8.342	ng	# 2
57) 2,4-Dinitrotoluene	14.68	165	44243	6.060	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.93	198	76	7.748	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	34836	3.983	ng	# 1

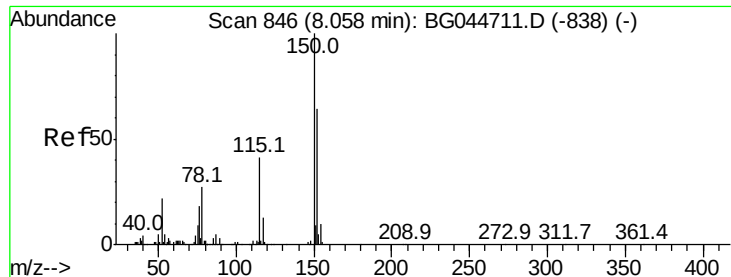
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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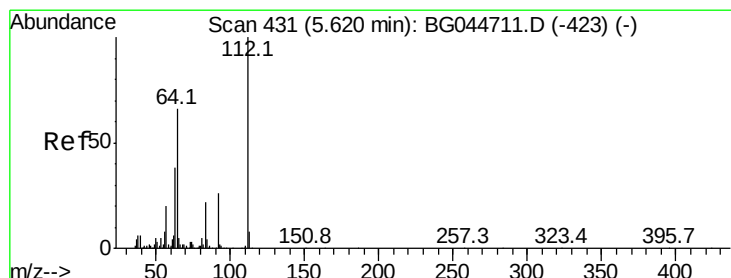
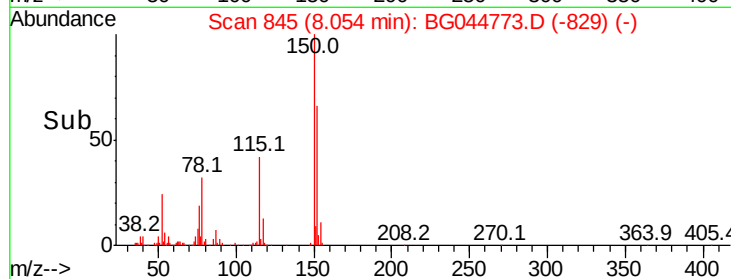
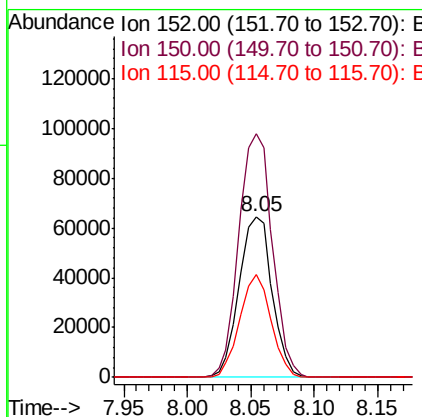
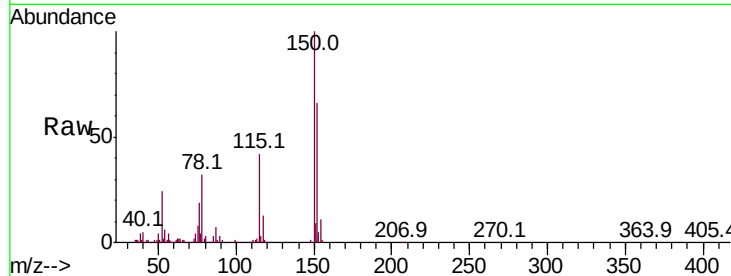


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: BG044773.D
 Acq: 13 Mar 2020 18:55

Instrument :
 BNA_G
 ClientSampleId :

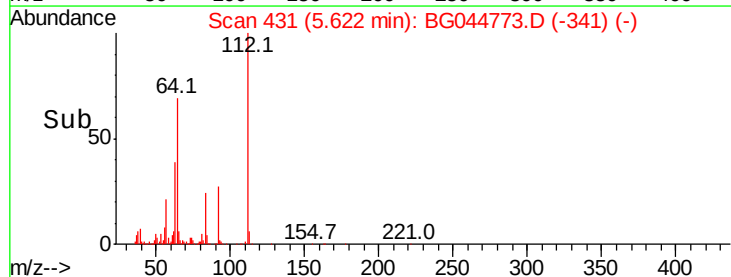
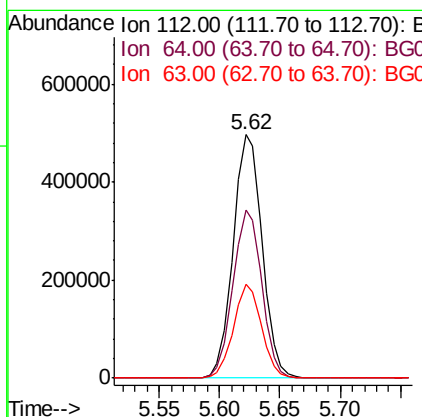
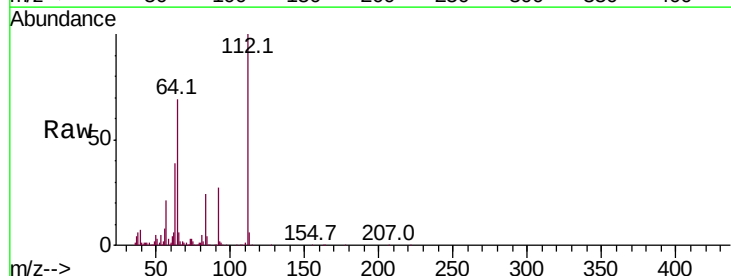
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	125.3	187.9
115	63.7	51.7	77.5

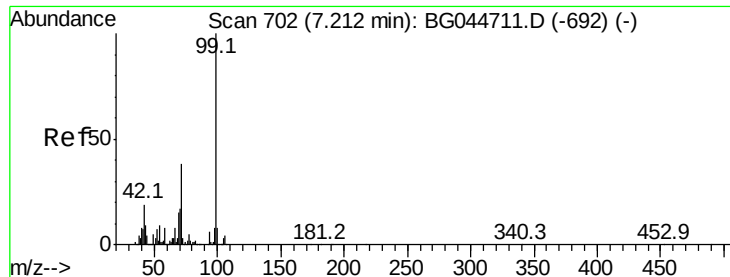


#5

2-Fluorophenol
 Concen: 110.608 ng
 RT: 5.62 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: BG044773.D
 Acq: 13 Mar 2020 18:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	52.6	78.8
63	38.7	30.2	45.4





#7

Phenol-d6

Concen: 108.248 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG044773.D

Acq: 13 Mar 2020 18:55

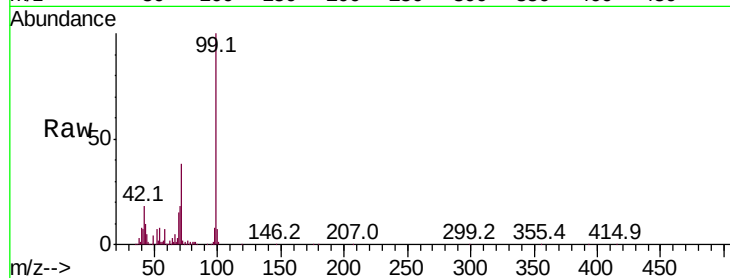
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 1179915

Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.4	23.0
71	38.3	30.2	45.4



Abundance

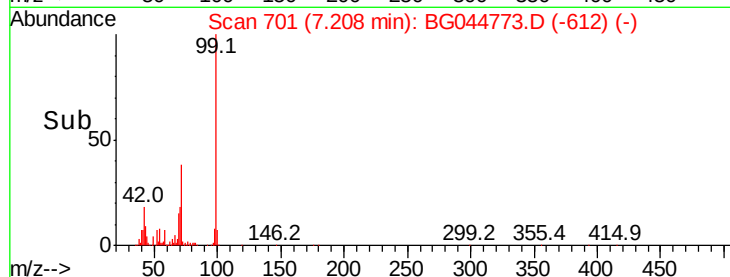
Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

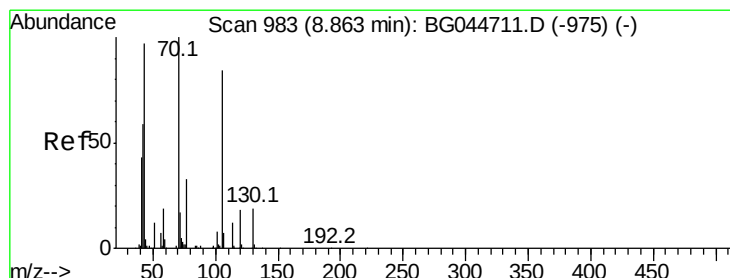
Ion 71.00 (70.70 to 71.70): BGC

7.21

Time-->



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 13.641 ng

RT: 9.21 min Scan# 1042

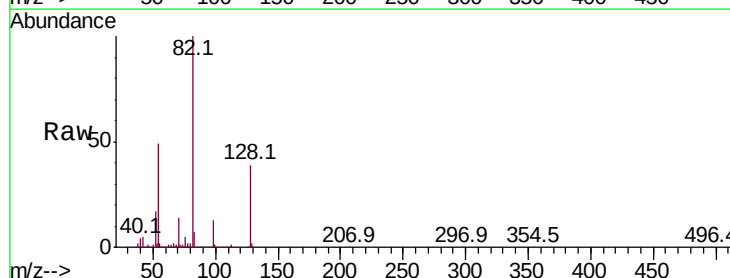
Delta R.T. 0.35 min

Lab File: BG044773.D

Acq: 13 Mar 2020 18:55

Tgt Ion: 70 Resp: 104992

Ion	Ratio	Lower	Upper
70	100		
42	38.9	47.6	71.4#
101	0.0	6.5	9.7#
130	1.8	15.0	22.4#



Abundance

Ion 70.00 (69.70 to 70.70): BGC

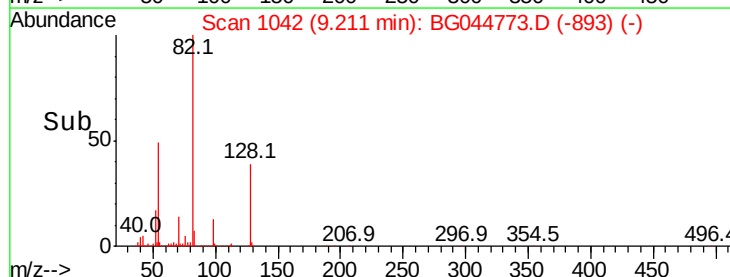
Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

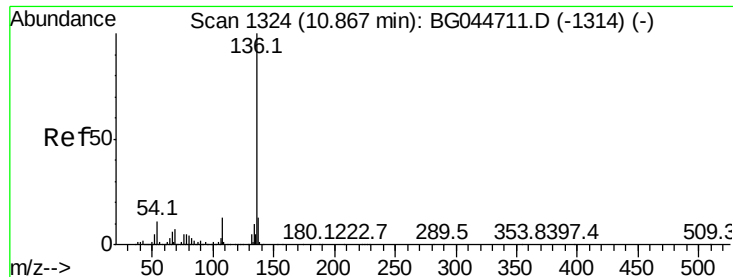
Ion 130.00 (129.70 to 130.70): BGC

9.21

Time-->



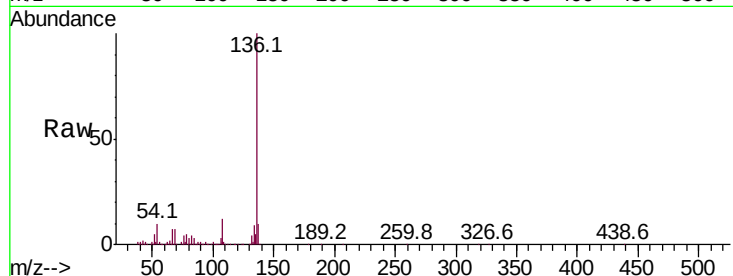
Time-->



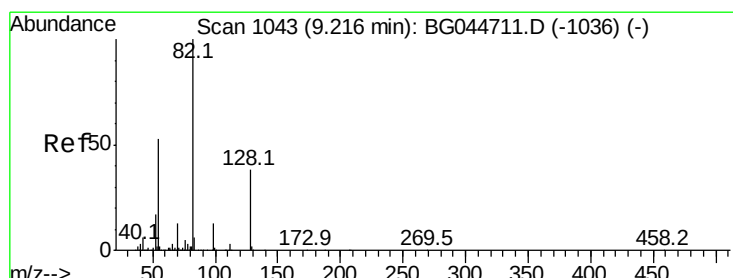
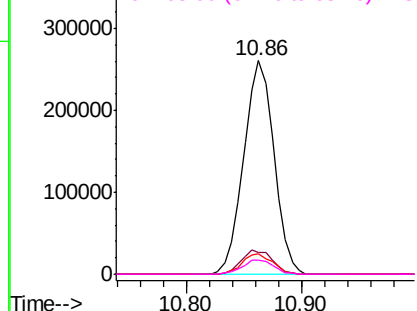
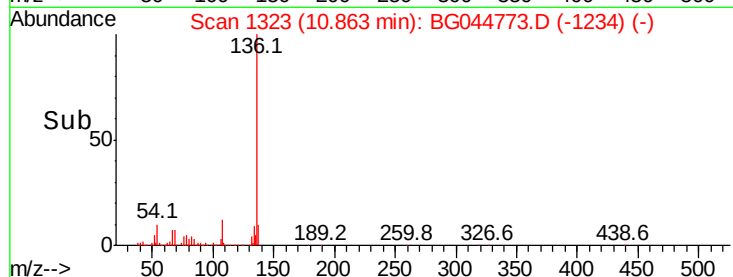
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BG044773.D
Acq: 13 Mar 2020 18:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	475943	
Ion Ratio	Lower	Upper	
136 100			
137 10.4	10.7	16.1#	
54 9.8	9.0	13.4	
68 6.8	5.9	8.9	

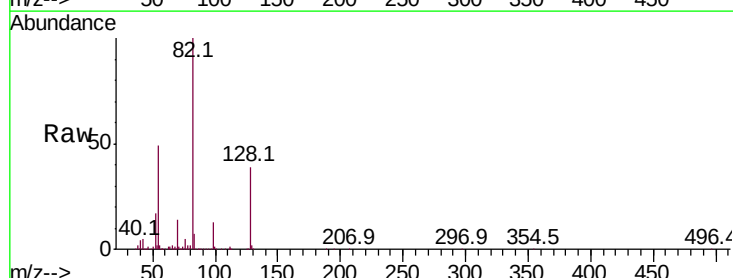


Abundance Ion 136.00 (135.70 to 136.70): E
400000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

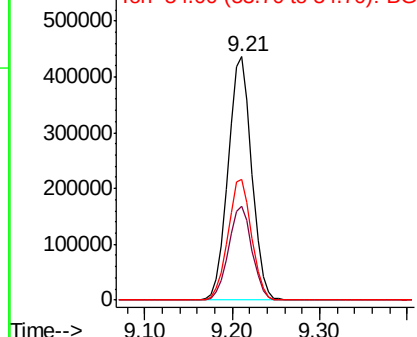
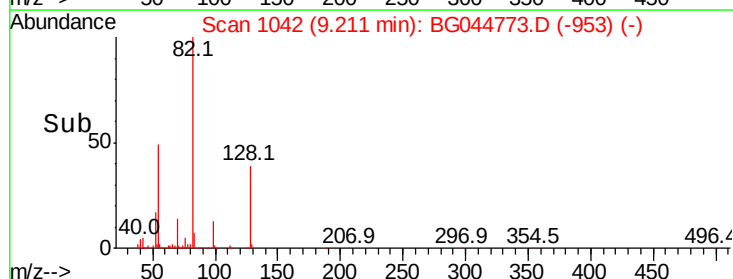


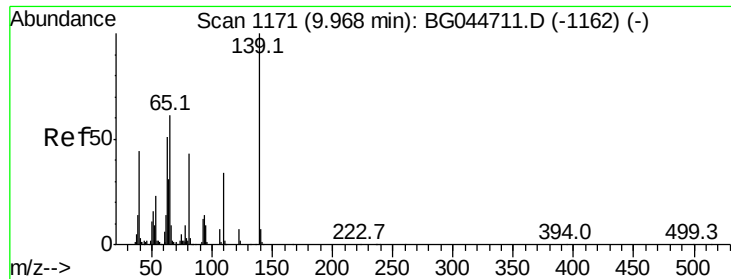
#23
Nitrobenzene-d5
Concen: 74.085 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG044773.D
Acq: 13 Mar 2020 18:55

Tgt	Ion: 82	Resp:	803532
Ion	Ratio	Lower	Upper
82	100		
128	38.6	30.2	45.2
54	49.4	41.8	62.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
600000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

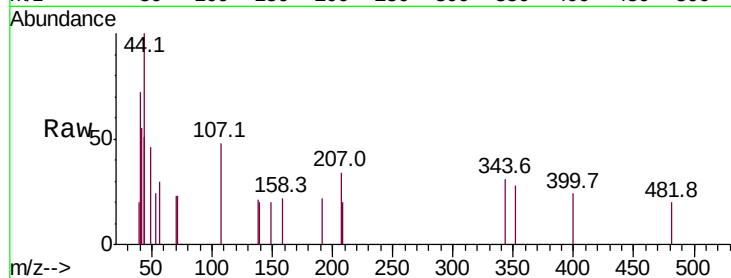




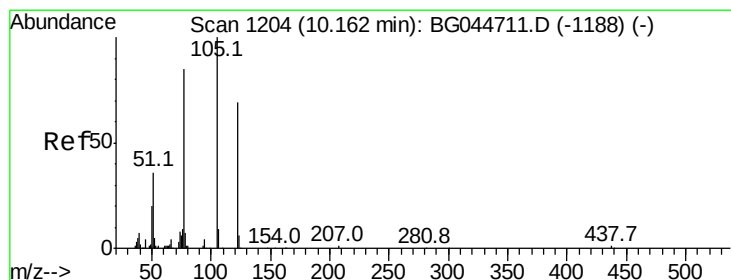
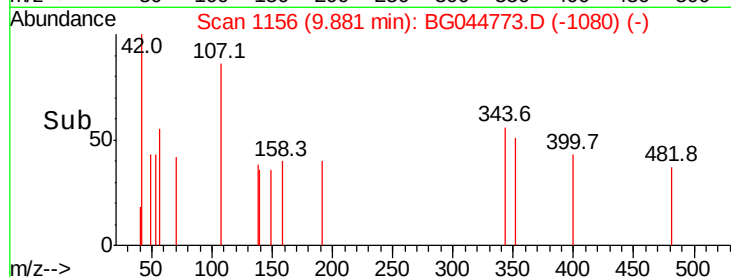
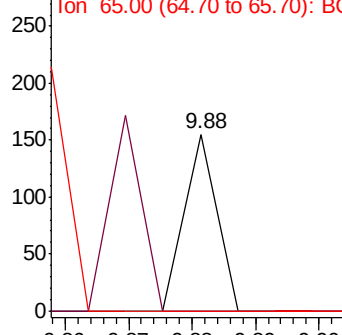
#26
2-Nitrophenol
Concen: 5.528 ng
RT: 9.88 min Scan# 1156
Delta R.T. -0.09 min
Lab File: BG044773.D
Acq: 13 Mar 2020 18:55

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#

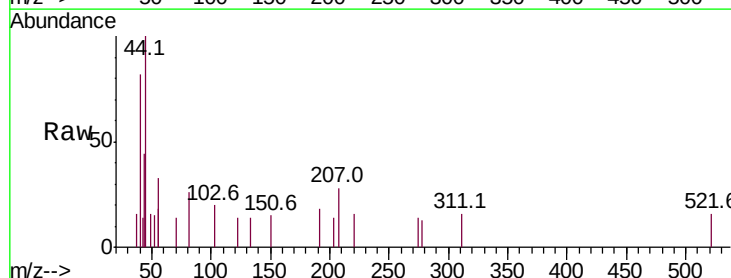


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

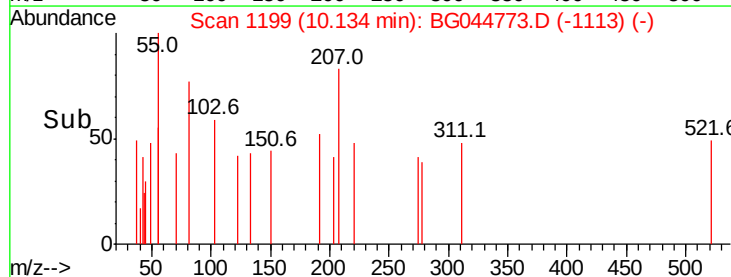
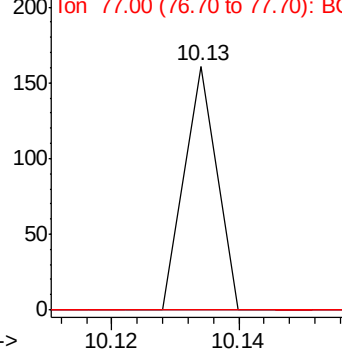


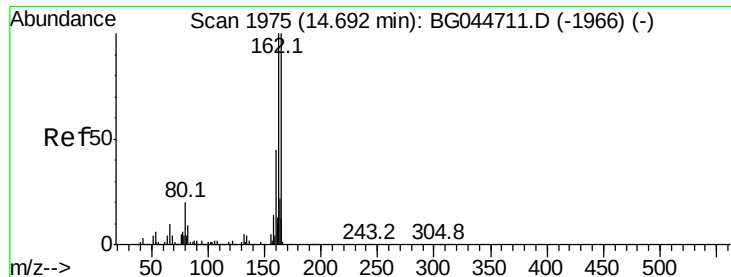
#32
Benzoic acid
Concen: 9.678 ng
RT: 10.13 min Scan# 1199
Delta R.T. -0.03 min
Lab File: BG044773.D
Acq: 13 Mar 2020 18:55

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG044773.D

Acq: 13 Mar 2020 18:55

Instrument :

BNA_G

ClientSampleId :

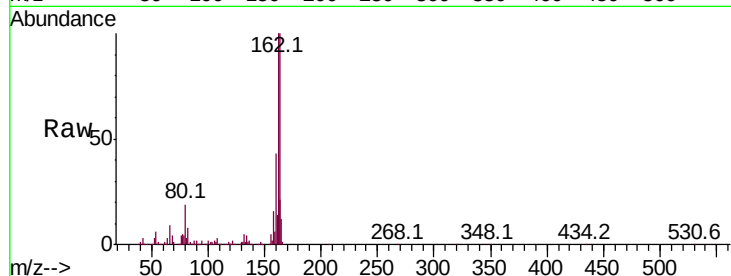
Tot Ion:164 Resp: 331614

Ion Ratio Lower Upper

164 100

162 99.7 80.2 120.4

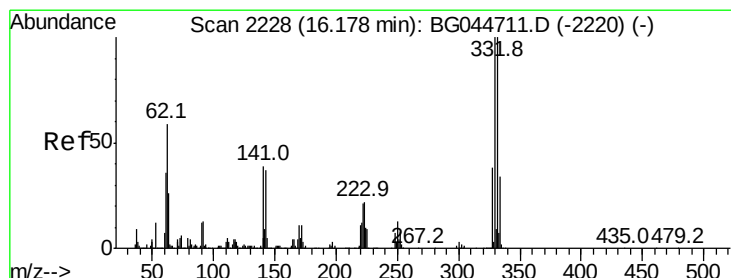
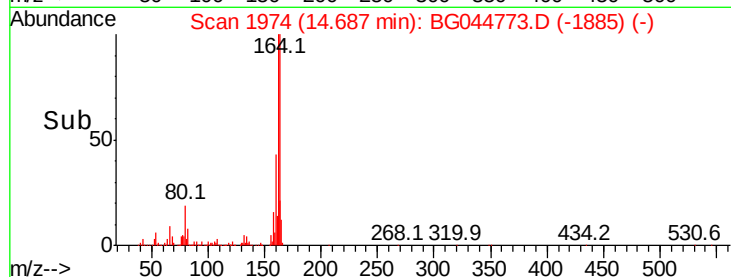
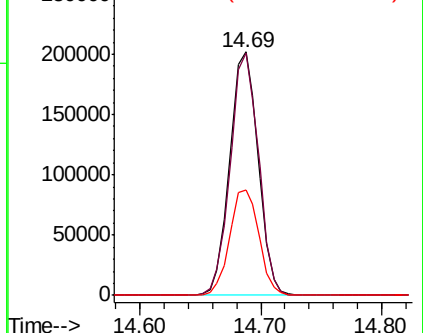
160 43.1 36.2 54.2



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: 113.374 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.00 min

Lab File: BG044773.D

Acq: 13 Mar 2020 18:55

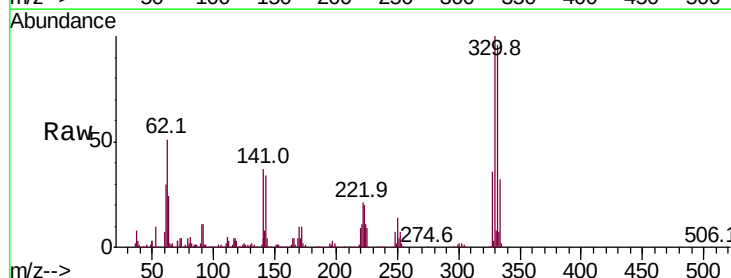
Tgt Ion:330 Resp: 492268

Ion Ratio Lower Upper

330 100

332 95.9 77.5 116.3

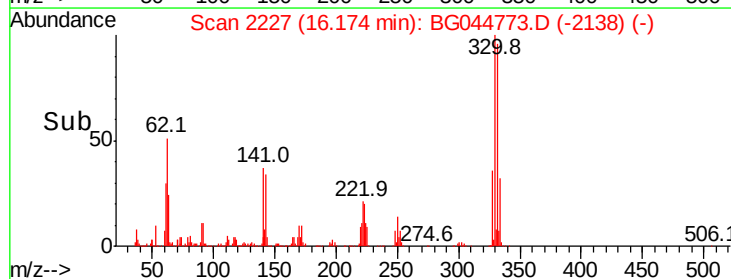
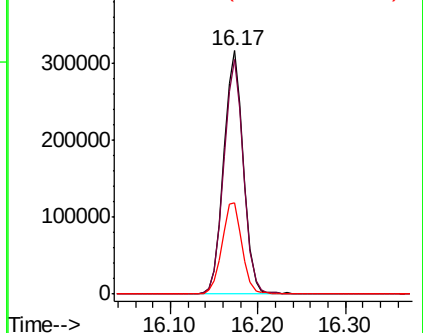
141 38.4 31.7 47.5

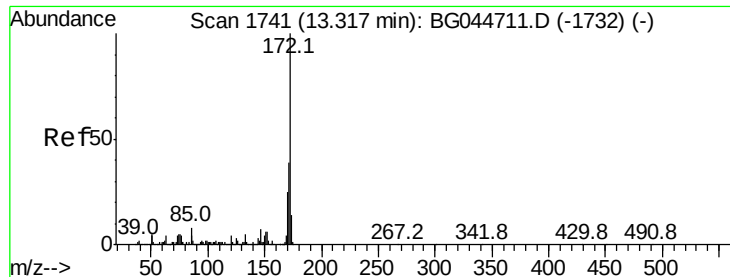


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 72.108 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BG044773.D

Acq: 13 Mar 2020 18:55

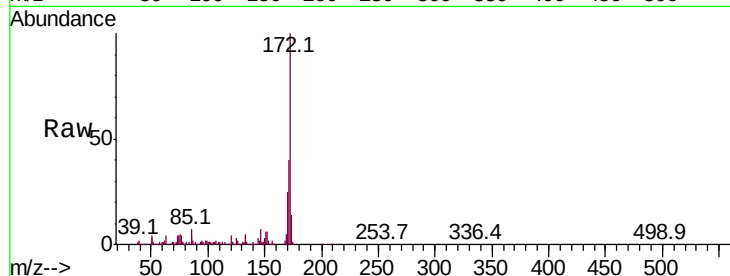
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 1669800

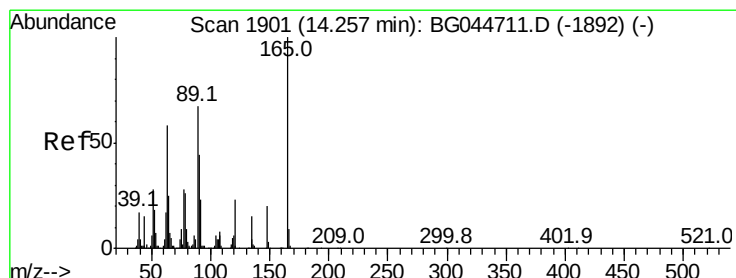
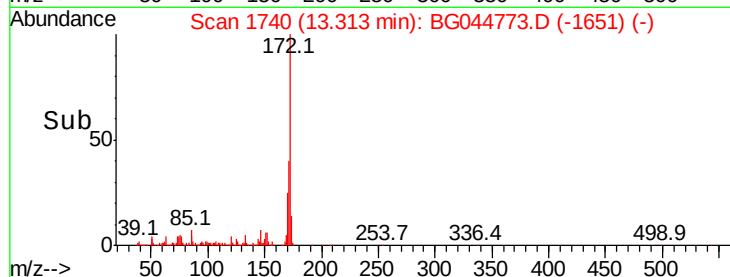
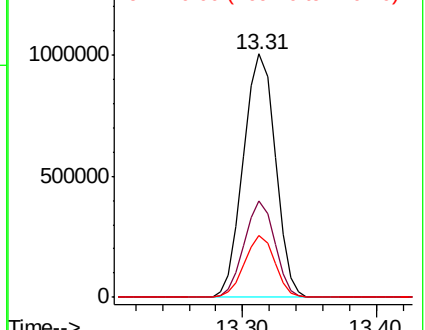
Ion	Ratio	Lower	Upper
172	100		
171	39.7	30.8	46.2
170	25.3	20.0	30.0



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: 8.311 ng

RT: 14.68 min Scan# 1973

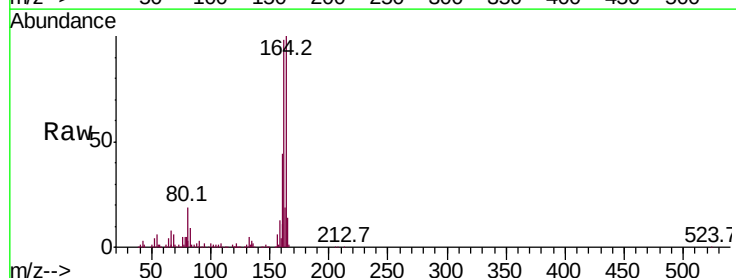
Delta R.T. 0.42 min

Lab File: BG044773.D

Acq: 13 Mar 2020 18:55

Tgt Ion:165 Resp: 44243

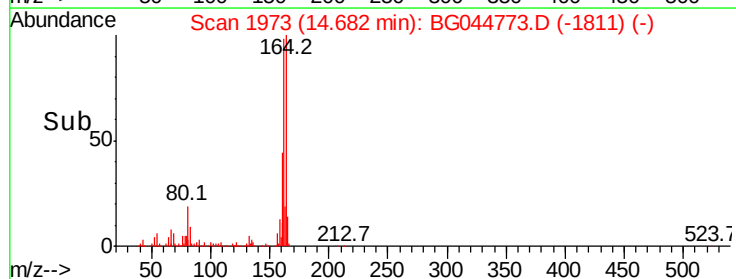
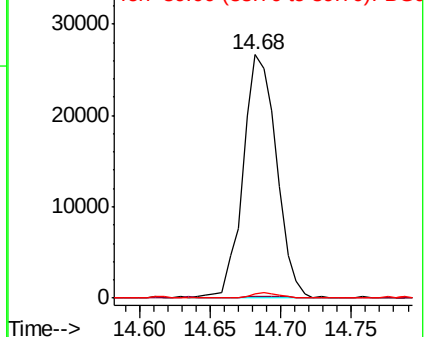
Ion	Ratio	Lower	Upper
165	100		
63	0.9	48.9	73.3#
89	2.0	53.8	80.8#

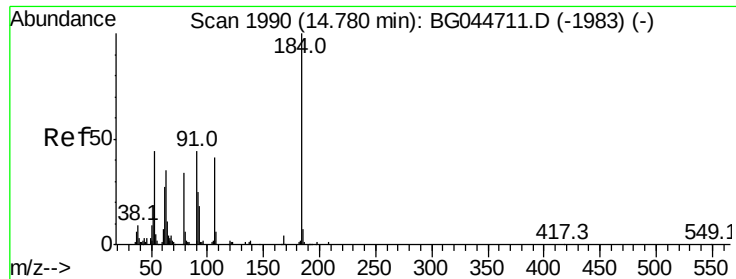


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG





#54

2,4-Dinitrophenol

Concen: 8.342 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.04 min

Lab File: BG044773.D

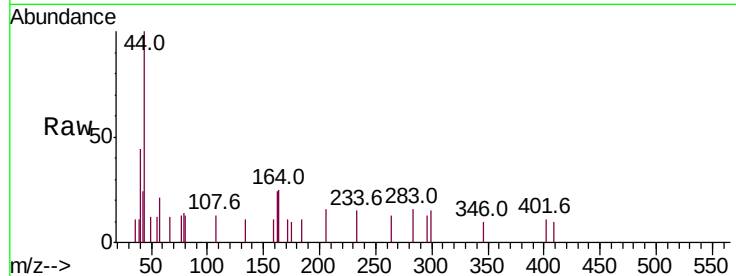
Acq: 13 Mar 2020 18:55

Instrument :

BNA_G

ClientSampleId :

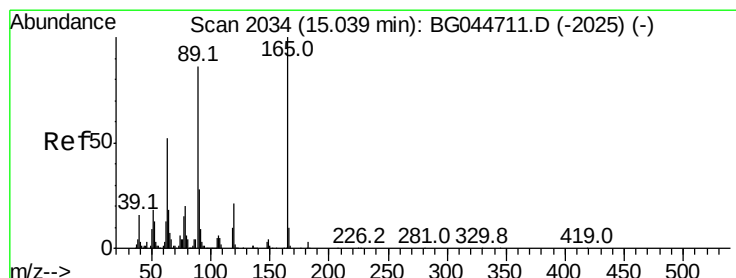
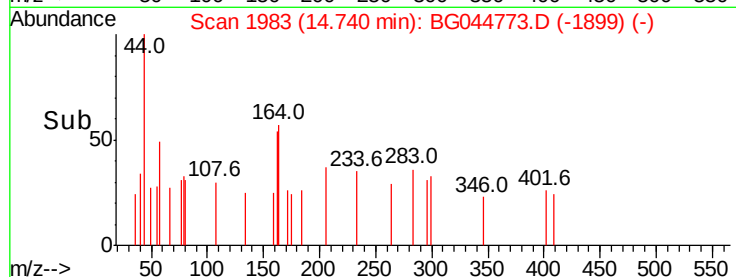
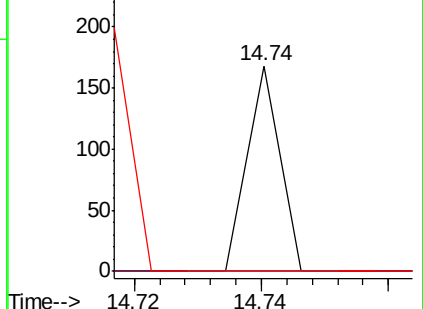
Tot Ion	Ratio	Lower	Upper
184	100		
63	0.0	49.0	73.6#
154	0.0	94.5	141.7#



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: 6.060 ng

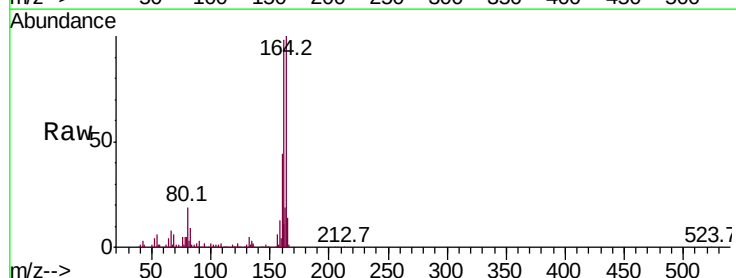
RT: 14.68 min Scan# 1973

Delta R.T. -0.36 min

Lab File: BG044773.D

Acq: 13 Mar 2020 18:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	41.5	62.3#
89	2.0	69.0	103.4#
182	0.0	2.7	4.1#

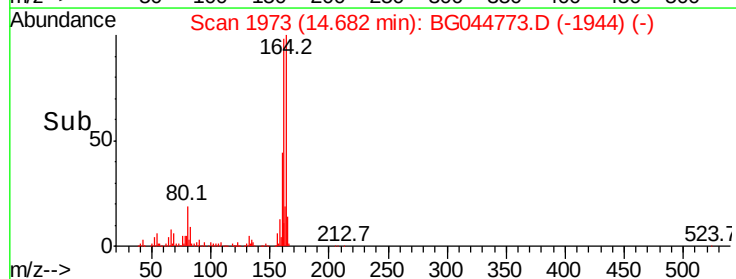
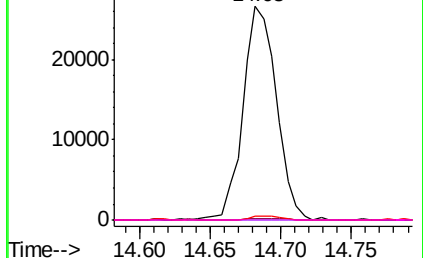


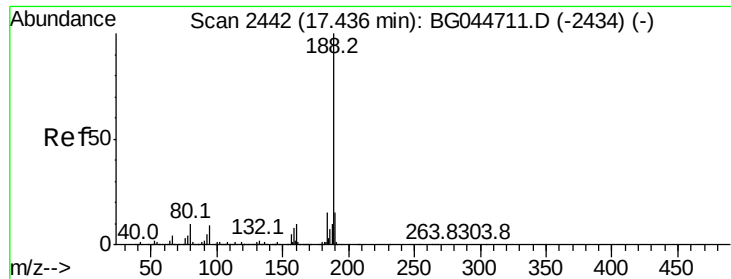
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.43 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BG044773.D

Acq: 13 Mar 2020 18:55

Instrument :

BNA_G

ClientSampleId :

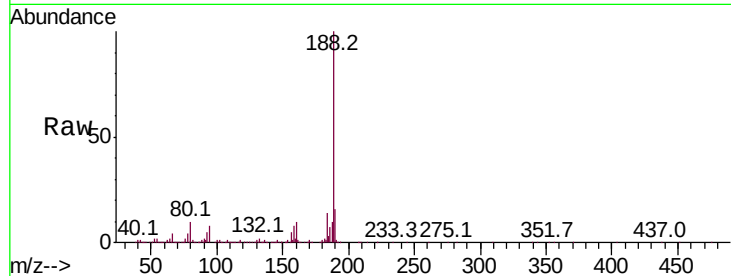
Tot Ion:188 Resp: 699586

Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.6

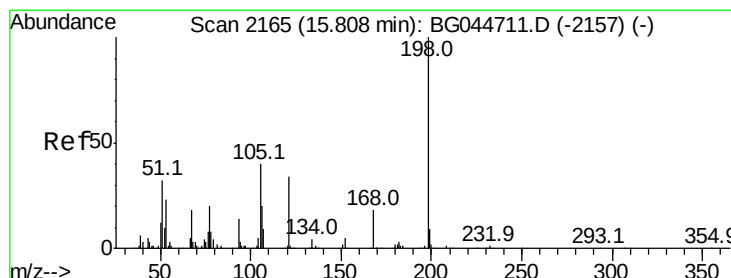
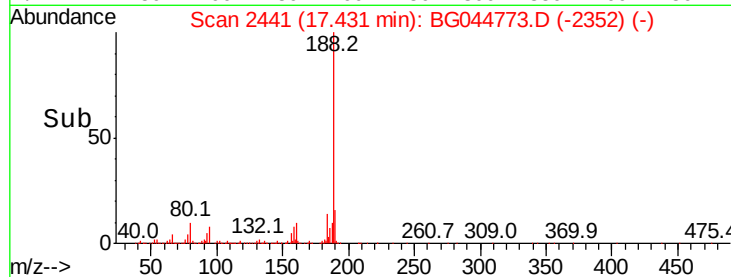
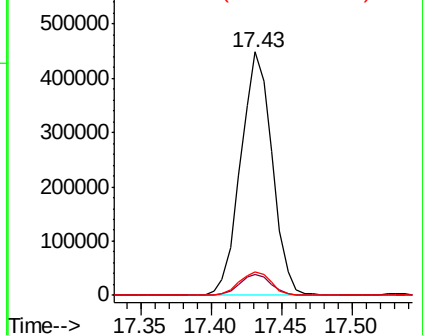
80 9.7 8.4 12.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.748 ng

RT: 15.93 min Scan# 2185

Delta R.T. 0.12 min

Lab File: BG044773.D

Acq: 13 Mar 2020 18:55

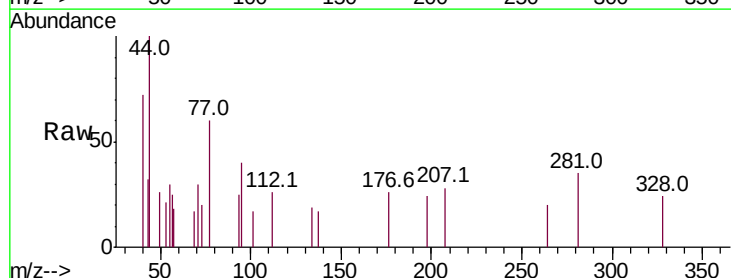
Tgt Ion:198 Resp: 76

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

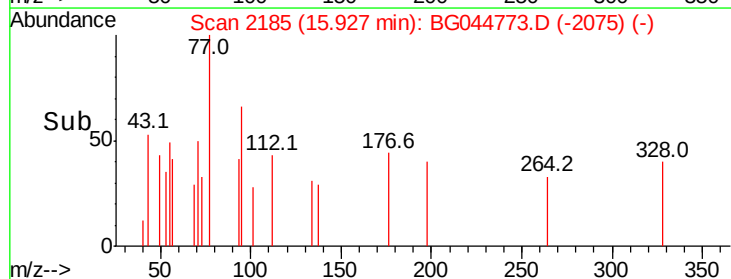
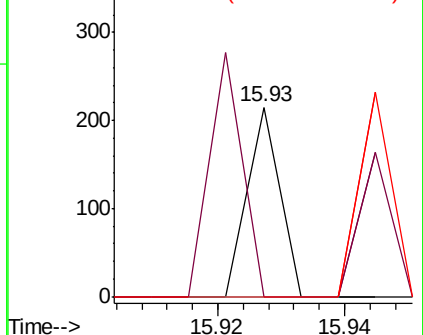
105 0.0 21.3 61.3#

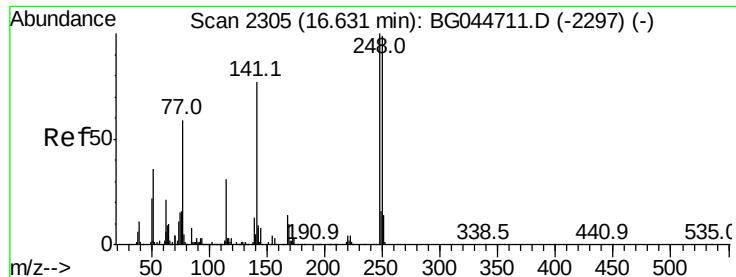


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

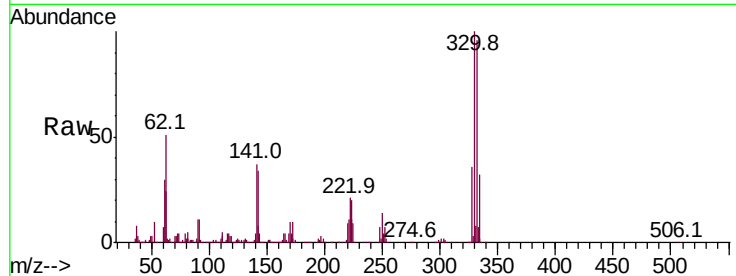




#67
 4-Bromophenyl-phenylether
 Concen: 3.983 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.46 min
 Lab File: BG044773.D
 Acq: 13 Mar 2020 18:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	193.9	79.4	119.0#
141	502.1	61.7	92.5#

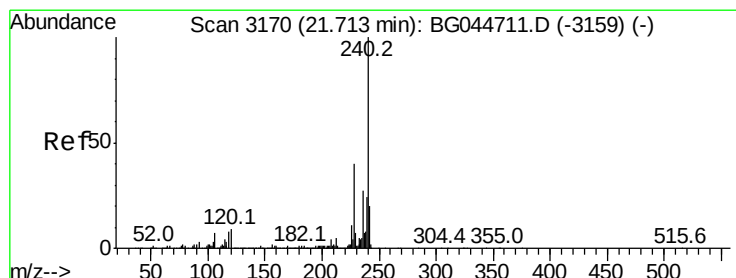
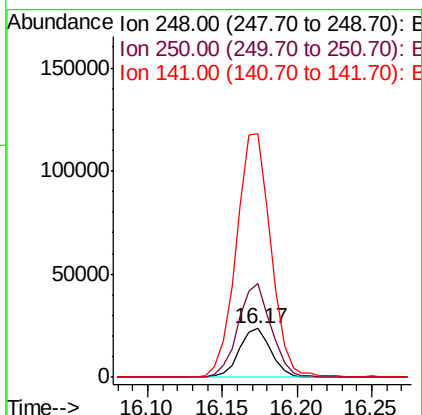
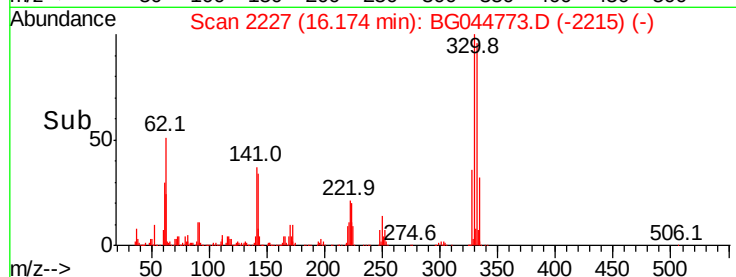


Abundance

Ion 248.00 (247.70 to 248.70): E

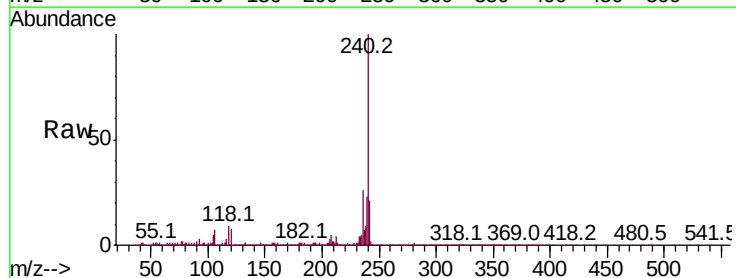
Ion 250.00 (249.70 to 250.70): E

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: BG044773.D
 Acq: 13 Mar 2020 18:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.9	10.3
236	26.1	21.9	32.9

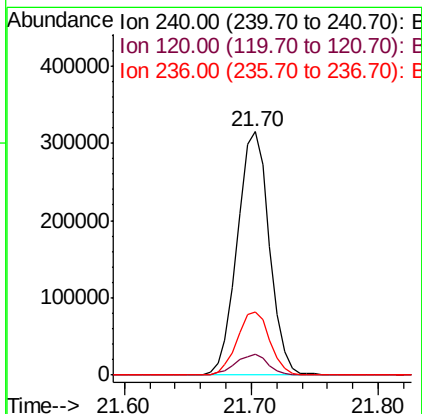
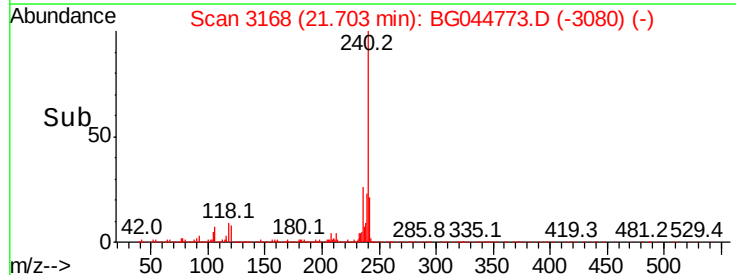


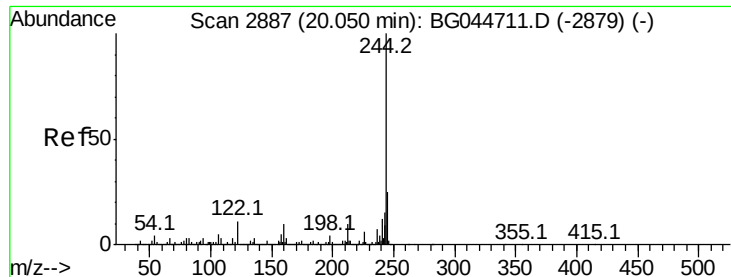
Abundance

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: 77.438 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG044773.D

Acq: 13 Mar 2020 18:55

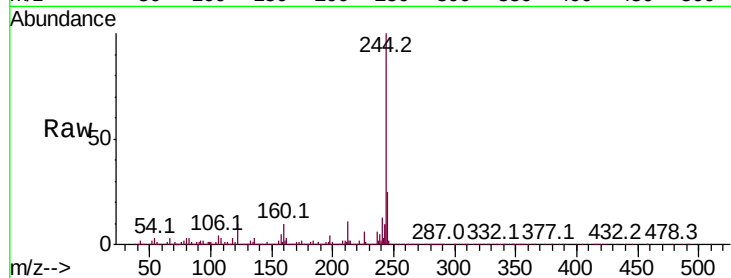
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2279517

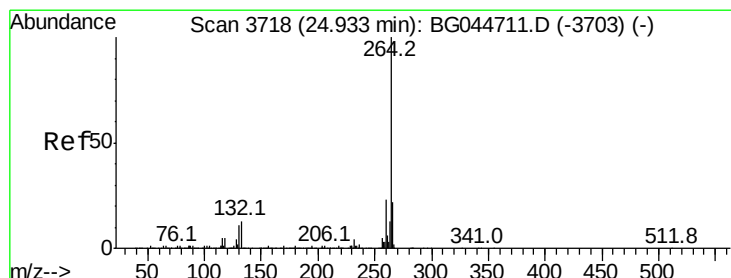
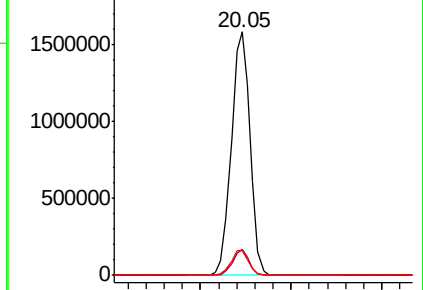
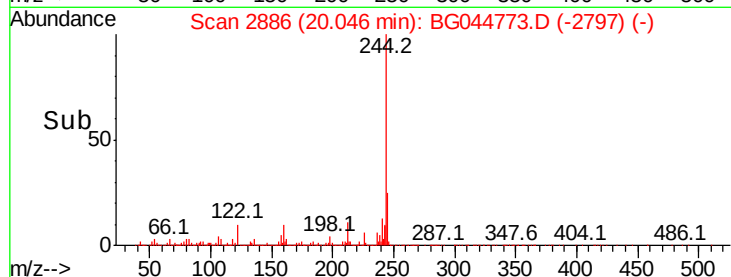
Ion	Ratio	Lower	Upper
244	100		
212	10.7	8.4	12.6
122	10.4	8.7	13.1



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: 24.92 min Scan# 3716

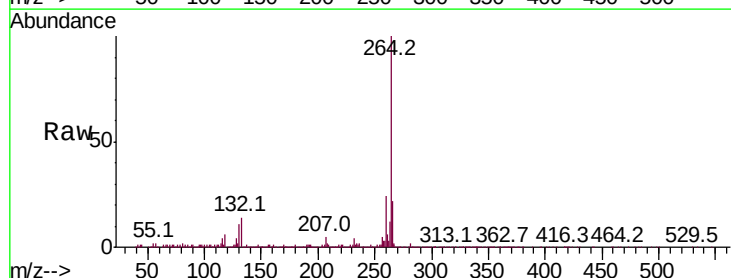
Delta R.T. -0.01 min

Lab File: BG044773.D

Acq: 13 Mar 2020 18:55

Tgt Ion:264 Resp: 625715

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.4	27.6
265	21.6	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

