

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121719\
 Data File : BG043821.D
 Acq On : 17 Dec 2019 16:04
 Operator : JU
 Sample : PB125439BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 18 01:03:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 18:16:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	113137	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	489581	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	370548	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	900706	20.00	ng	0.00
76) Chrysene-d12	21.63	240	789761	20.00	ng	0.00
87) Perylene-d12	24.79	264	837608	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	911409	152.64	ng	0.00
7) Phenol-d6	7.17	99	1319579	153.23	ng	0.01
23) Nitrobenzene-d5	9.15	82	772815	88.63	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	573112	162.23	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1844720	87.45	ng	0.00
79) Terphenyl-d14	19.98	244	2874218	87.55	ng	0.00

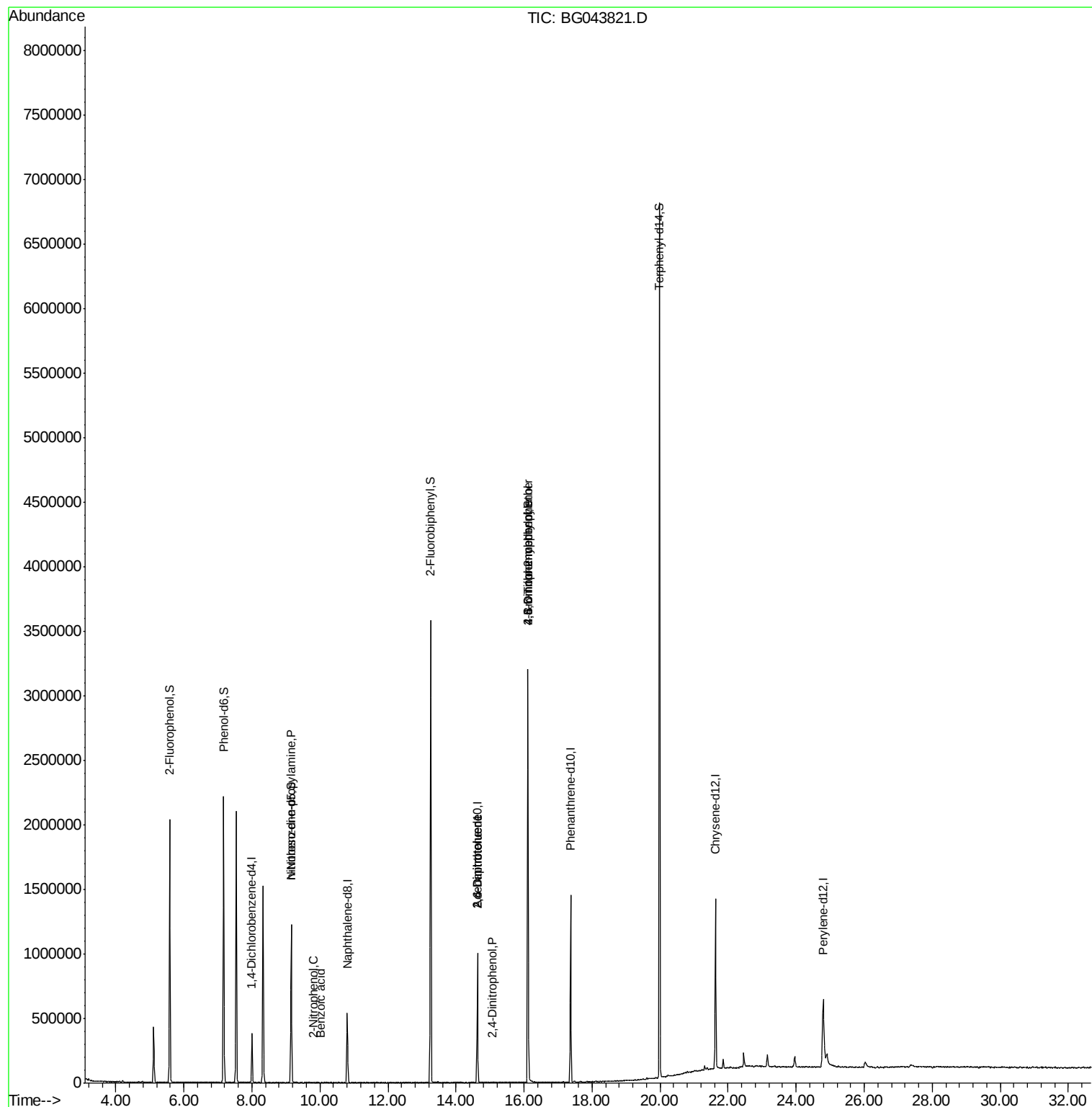
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.17	77	2462	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	9.15	70	101601	15.432	ng	# 76
26) 2-Nitrophenol	9.81	139	61	8.362	ng	# 34
32) Benzoic acid	10.02	122	53	5.659	ng	# 3
51) 2,6-Dinitrotoluene	14.62	165	48850	8.571	ng	# 29
54) 2,4-Dinitrophenol	15.06	184	62	3.979	ng	# 19
57) 2,4-Dinitrotoluene	14.62	165	48850	6.343	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.12	198	2165	10.000	ng	# 1
67) 4-Bromophenyl-phenylether	16.12	248	44771	4.649	ng	# 1

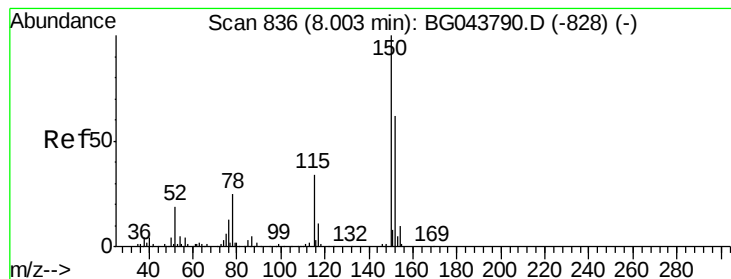
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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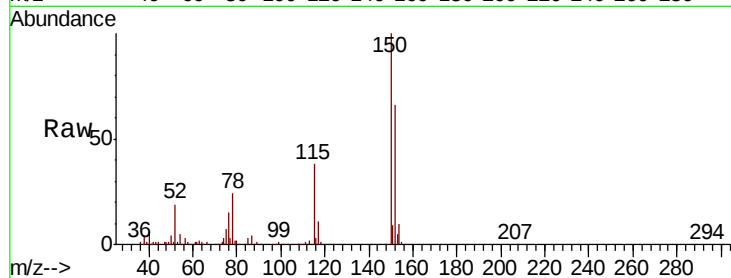


#1

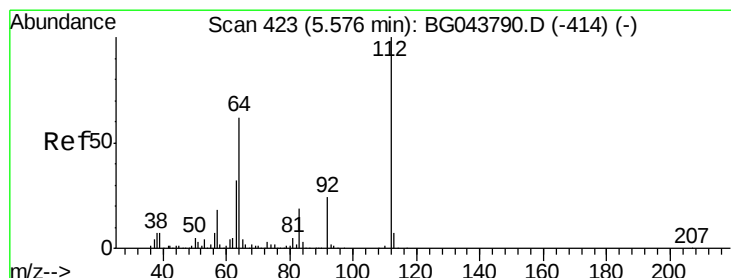
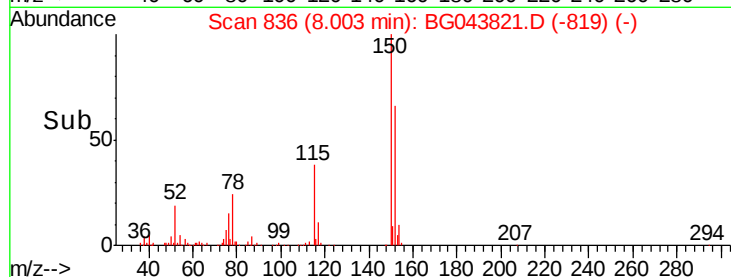
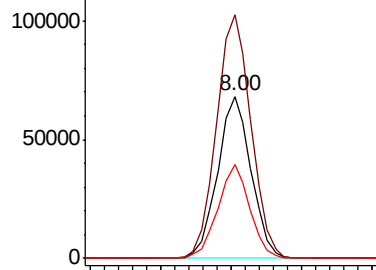
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG043821.D
Acq: 17 Dec 2019 16:04

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	128.6	192.8
115	57.8	44.3	66.5



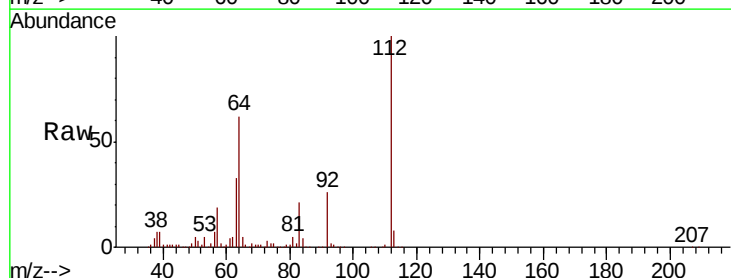
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



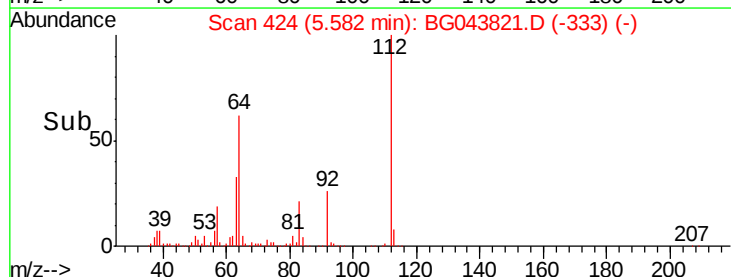
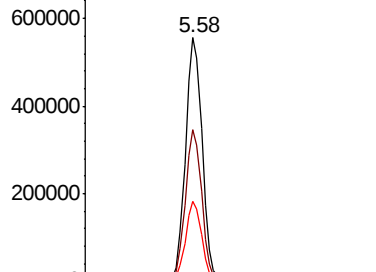
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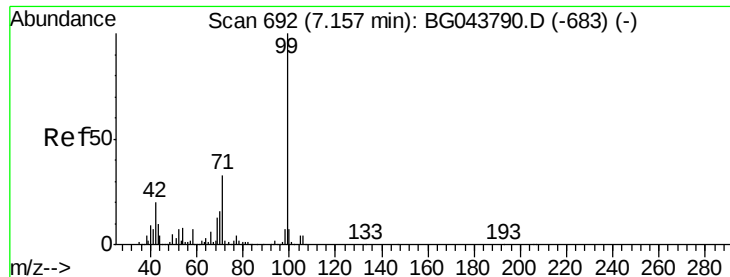
2-Fluorophenol
Concen: 152.635 ng
RT: 5.58 min Scan# 424
Delta R.T. 0.01 min
Lab File: BG043821.D
Acq: 17 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	49.9	74.9
63	32.7	26.0	39.0



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: 153.234 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.01 min

Lab File: BG043821.D

Acq: 17 Dec 2019 16:04

Instrument :

BNA_G

ClientSampled :

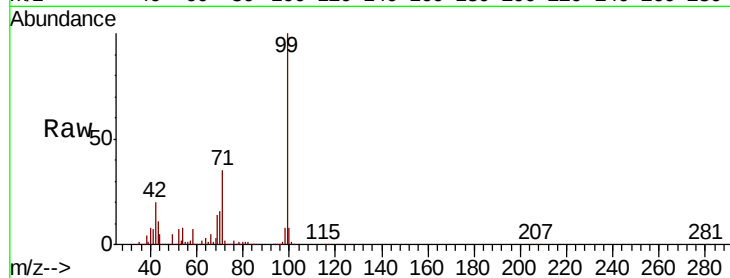
Tot Ion: 99 Resp: 1319579

Ion Ratio Lower Upper

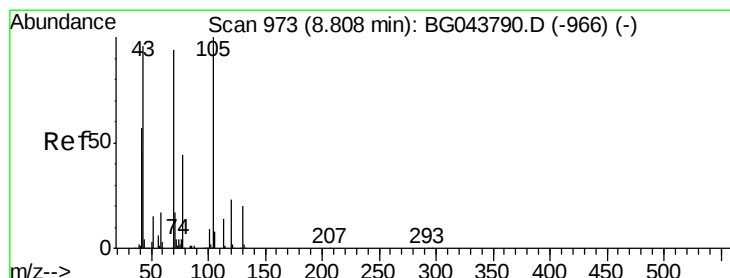
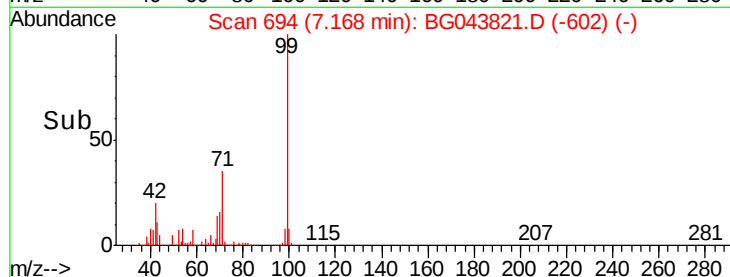
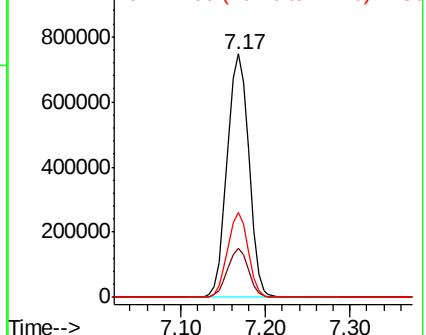
99 100

42 20.2 16.2 24.2

71 34.8 26.6 40.0



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: 15.432 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.35 min

Lab File: BG043821.D

Acq: 17 Dec 2019 16:04

Tgt Ion: 70 Resp: 101601

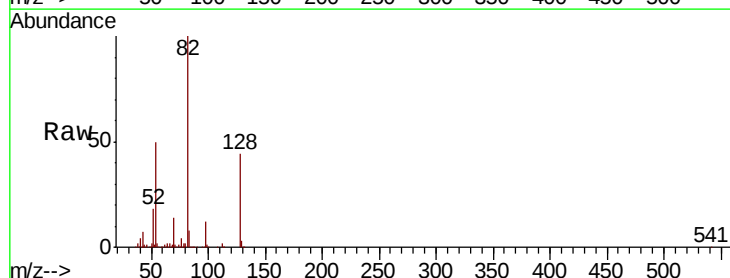
Ion Ratio Lower Upper

70 100

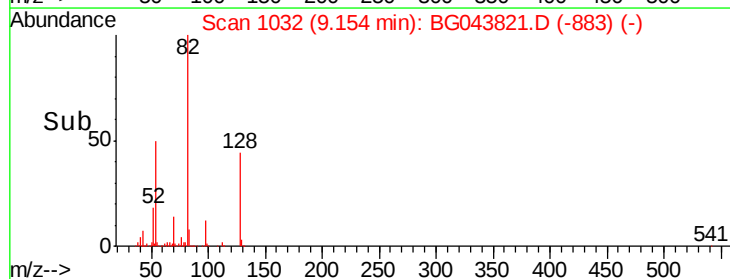
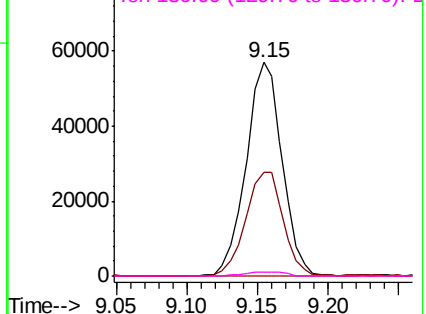
42 48.4 49.2 73.8#

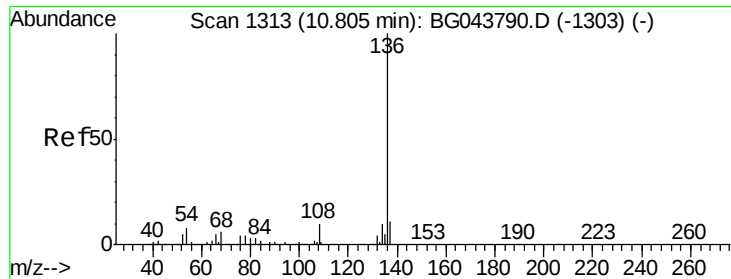
101 0.0 7.8 11.6#

130 1.6 17.0 25.6#



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

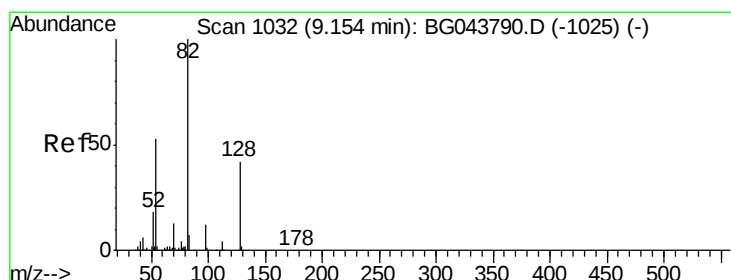
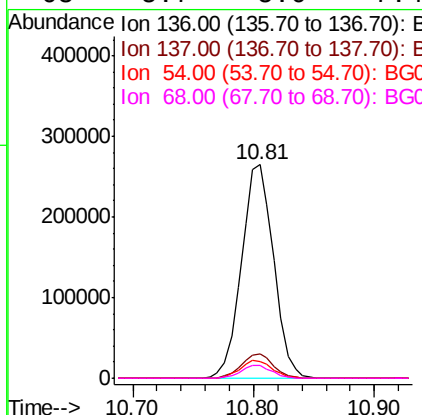
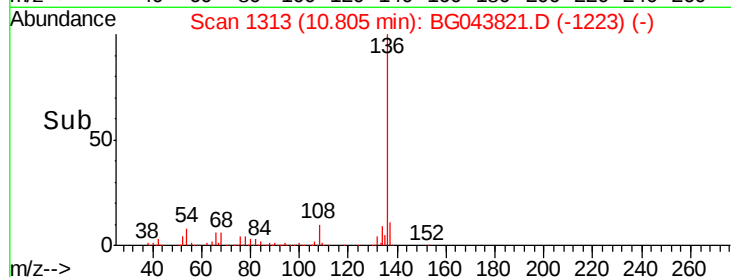
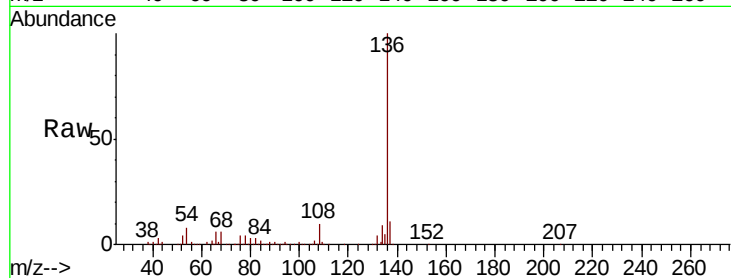




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG043821.D
Acq: 17 Dec 2019 16:04

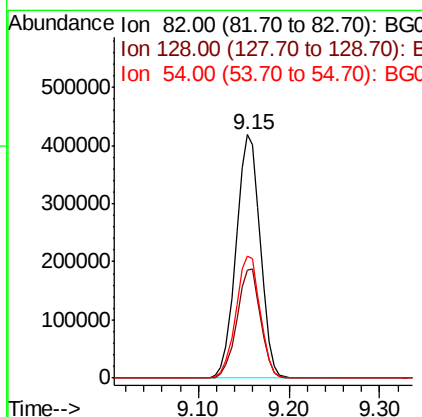
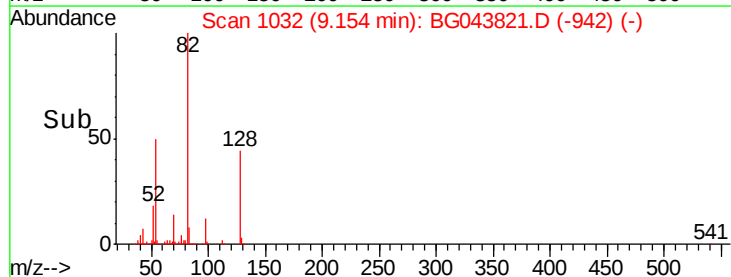
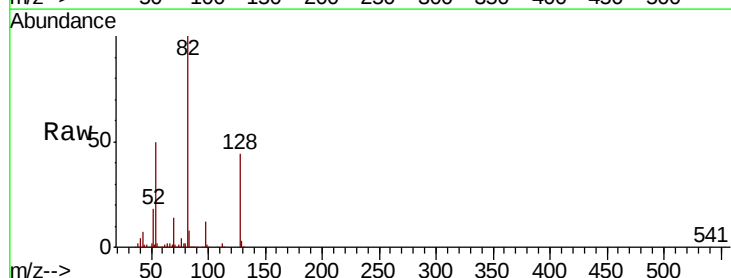
Instrument :
BNA_G
ClientSampleId :

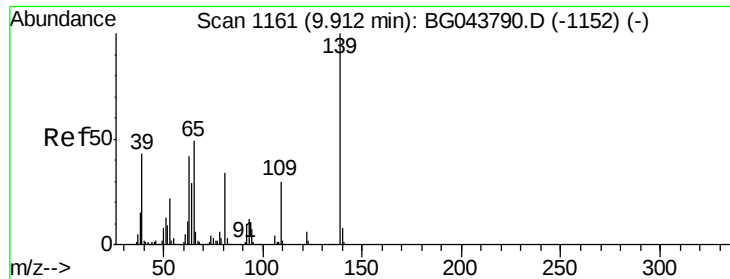
Tot Ion:136	Resp:	489581
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.7 13.1
54	8.0	6.8 10.2
68	5.7	5.0 7.4



#23
Nitrobenzene-d5
Concen: 88.630 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG043821.D
Acq: 17 Dec 2019 16:04

Tgt Ion: 82	Resp:	772815
Ion	Ratio	Lower Upper
82	100	
128	44.3	33.6 50.4
54	50.4	42.1 63.1

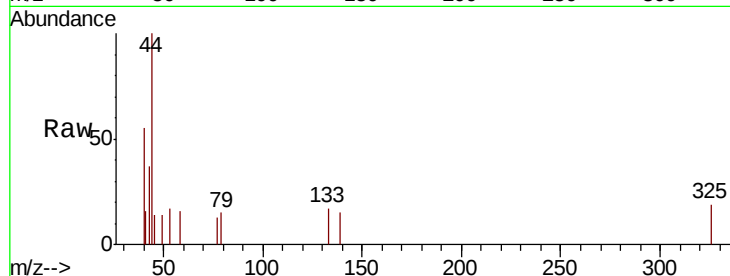




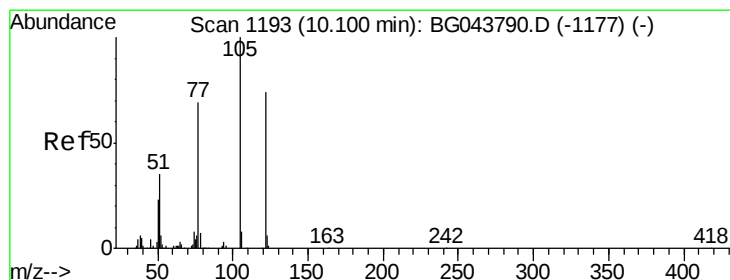
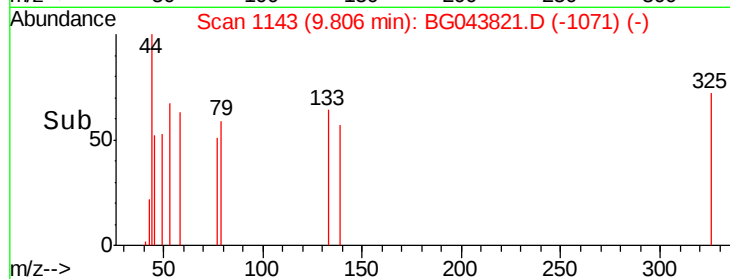
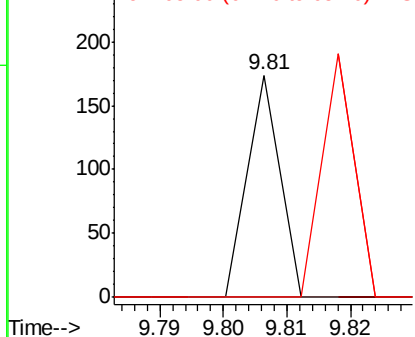
#26
2-Nitrophenol
Concen: 8.362 ng
RT: 9.81 min Scan# 1143
Delta R.T. -0.11 min
Lab File: BG043821.D
Acq: 17 Dec 2019 16:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.9	35.9#
65	0.0	39.3	58.9#

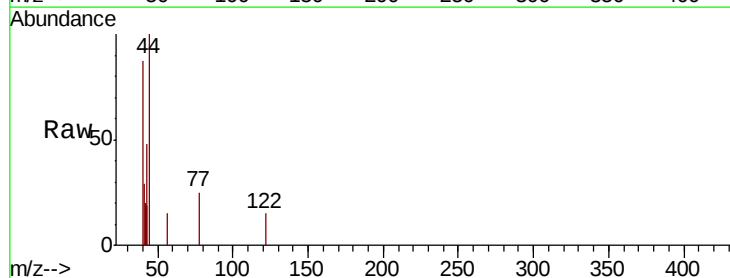


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

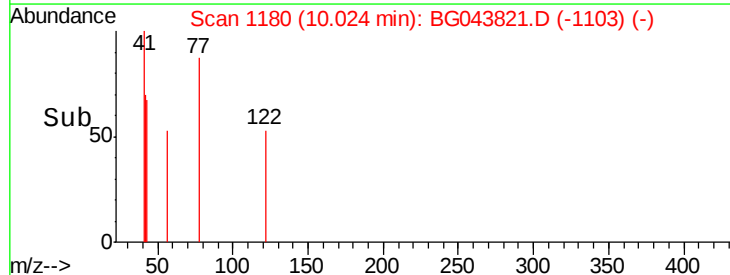
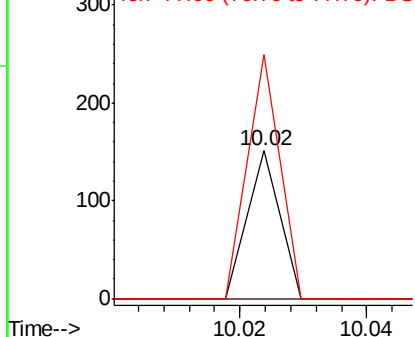


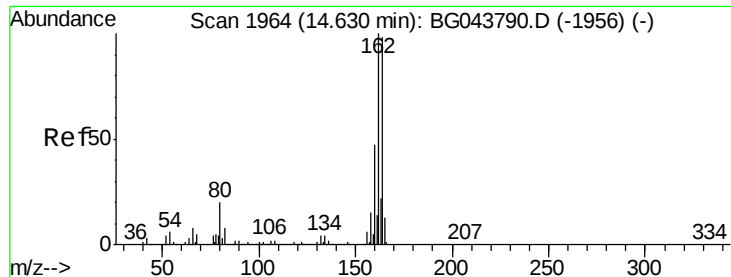
#32
Benzoic acid
Concen: 5.659 ng
RT: 10.02 min Scan# 1180
Delta R.T. -0.08 min
Lab File: BG043821.D
Acq: 17 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.5	147.5#
77	164.9	71.7	111.7#



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: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG043821.D

Acq: 17 Dec 2019 16:04

Instrument :

BNA_G

ClientSampleId :

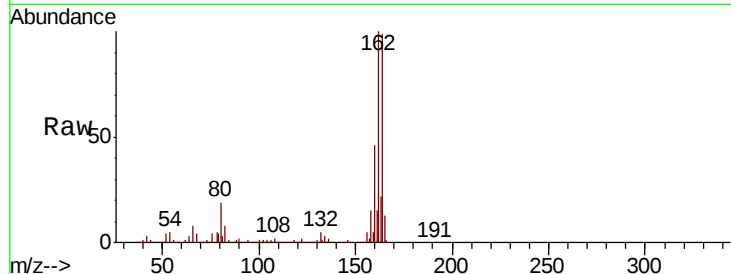
Tot Ion:164 Resp: 370548

Ion Ratio Lower Upper

164 100

162 101.4 81.9 122.9

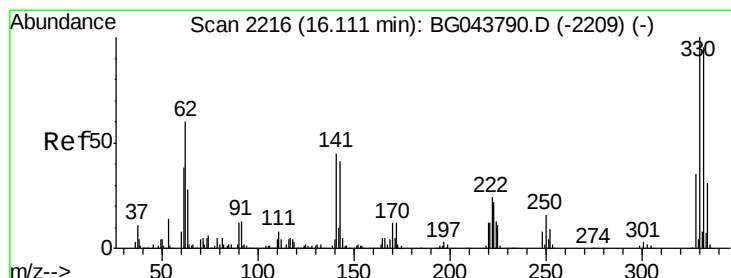
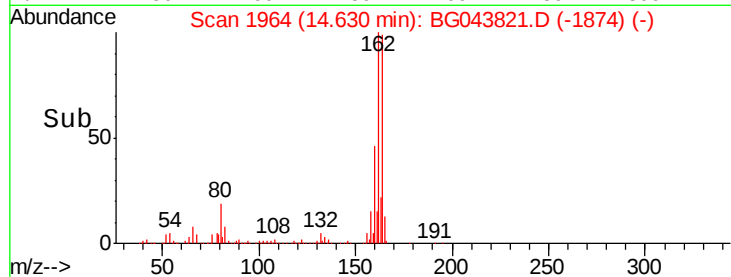
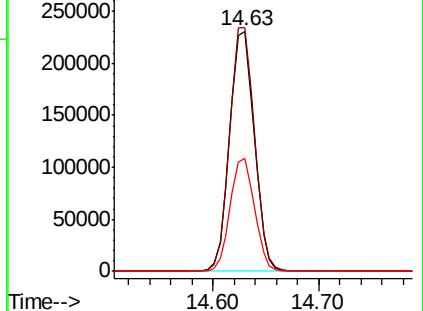
160 46.9 38.3 57.5



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: 162.234 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BG043821.D

Acq: 17 Dec 2019 16:04

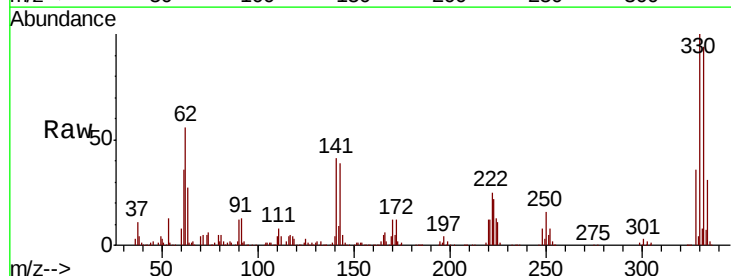
Tgt Ion:330 Resp: 573112

Ion Ratio Lower Upper

330 100

332 95.4 76.9 115.3

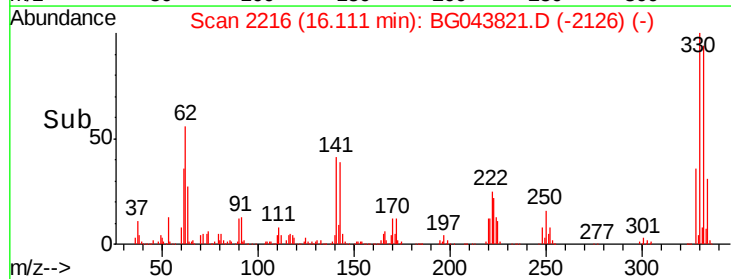
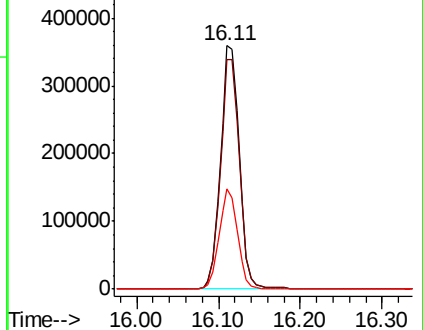
141 40.8 33.8 50.8

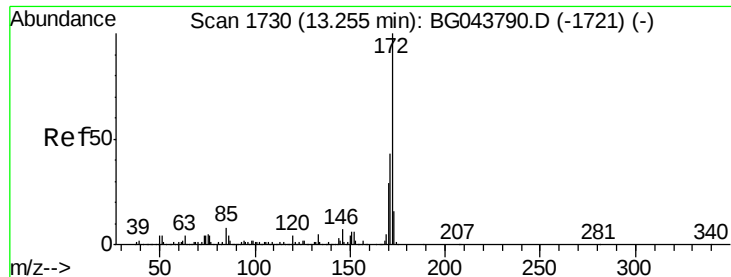


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



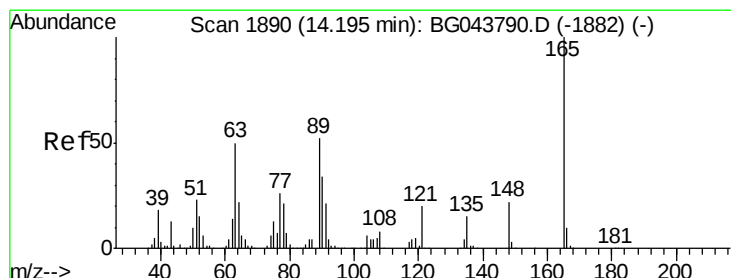
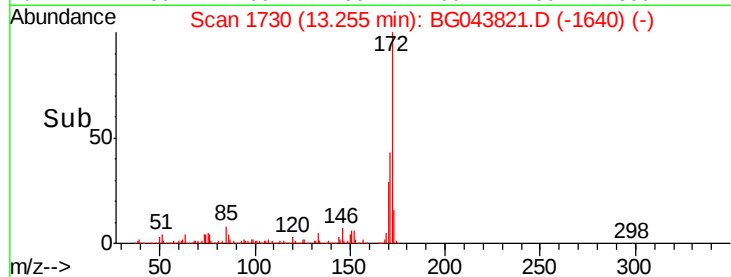
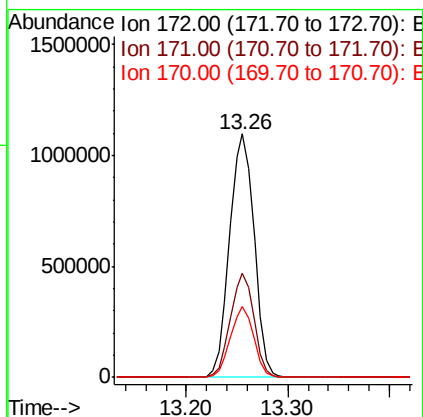
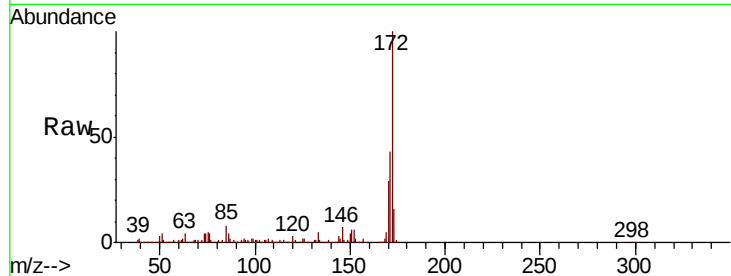


#45
 2-Fluorobiphenyl
 Concen: 87.448 ng
 RT: 13.26 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG043821.D
 Acq: 17 Dec 2019 16:04

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1844720

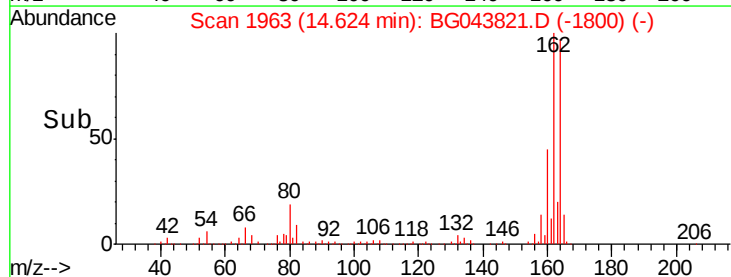
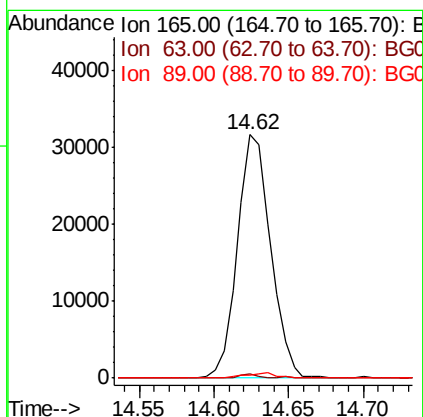
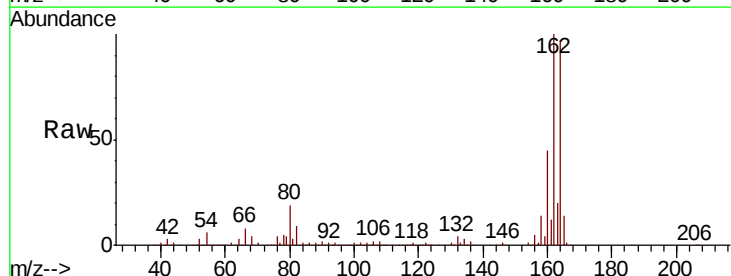
Ion	Ratio	Lower	Upper
172	100		
171	42.9	34.6	51.8
170	29.3	23.3	34.9

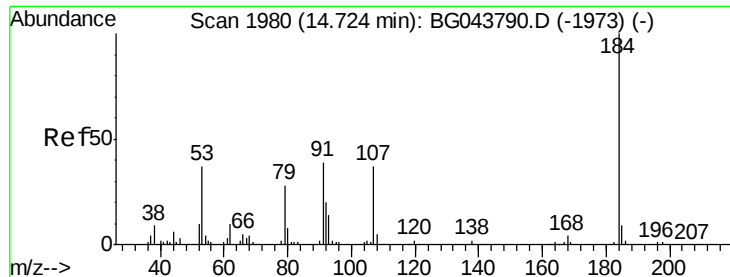


#51
 2,6-Dinitrotoluene
 Concen: 8.571 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. 0.43 min
 Lab File: BG043821.D
 Acq: 17 Dec 2019 16:04

Tgt Ion:165 Resp: 48850

Ion	Ratio	Lower	Upper
165	100		
63	1.8	40.3	60.5#
89	1.3	41.8	62.8#

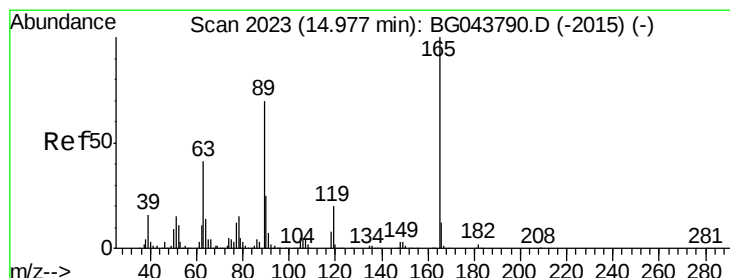
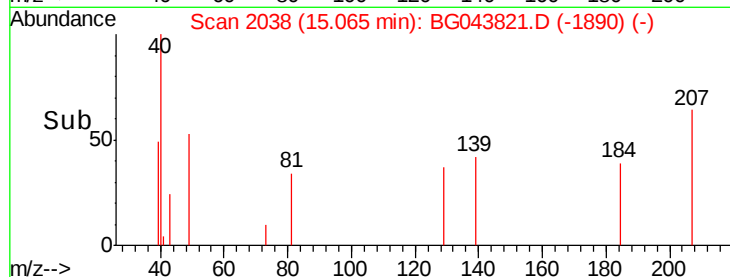
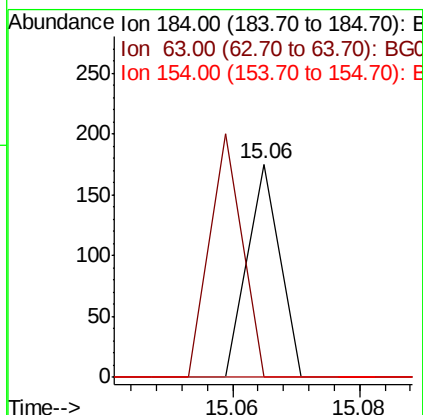
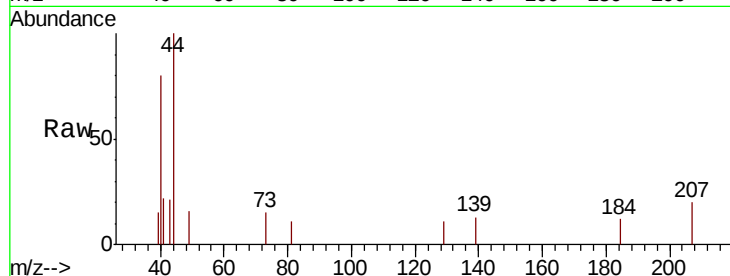




#54
2,4-Dinitrophenol
Concen: 3.979 ng
RT: 15.06 min Scan# 2038
Delta R.T. 0.34 min
Lab File: BG043821.D
Acq: 17 Dec 2019 16:04

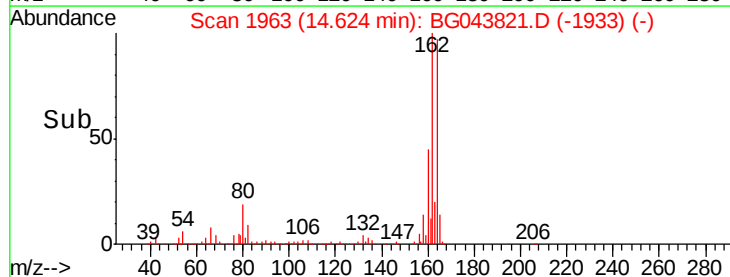
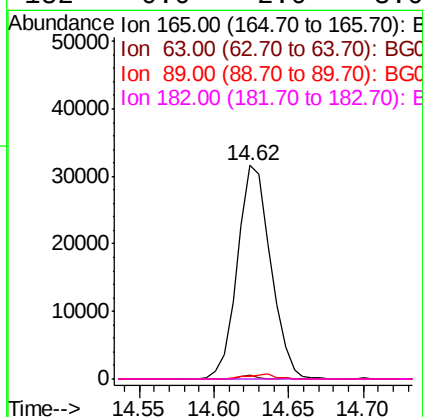
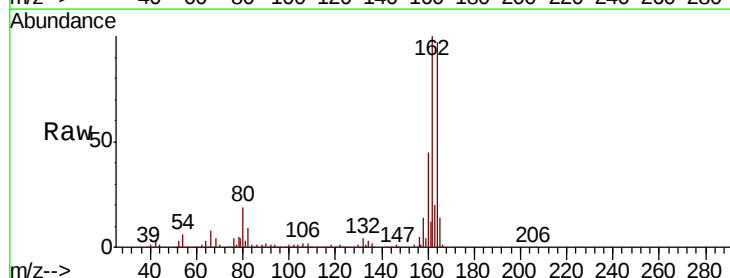
Instrument :
BNA_G
ClientSampled :

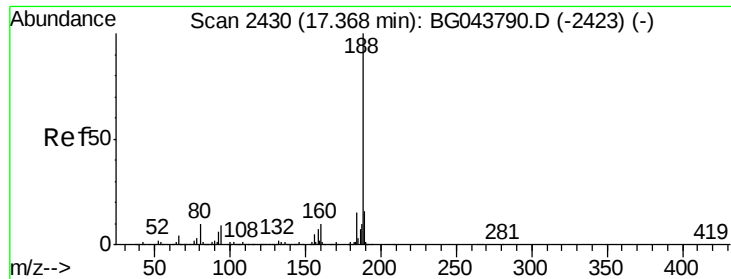
Tot Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 0.0 43.4 65.0#
154 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 6.343 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.35 min
Lab File: BG043821.D
Acq: 17 Dec 2019 16:04

Tgt Ion:165 Resp: 48850
Ion Ratio Lower Upper
165 100
63 1.8 32.7 49.1#
89 1.3 56.1 84.1#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG043821.D

Acq: 17 Dec 2019 16:04

Instrument :

BNA_G

ClientSampleId :

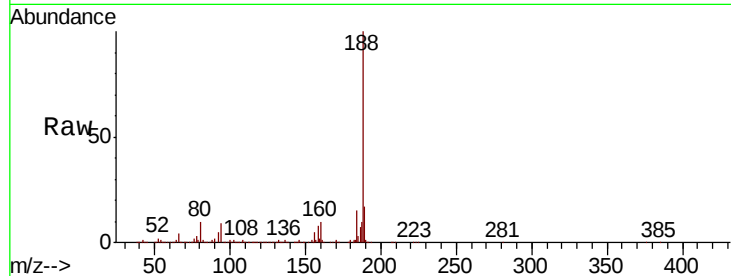
Tot Ion:188 Resp: 900706

Ion Ratio Lower Upper

188 100

94 8.8 6.9 10.3

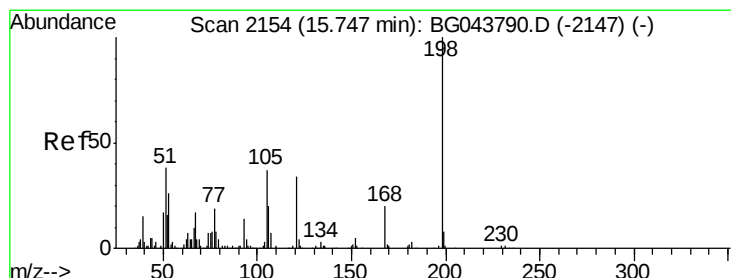
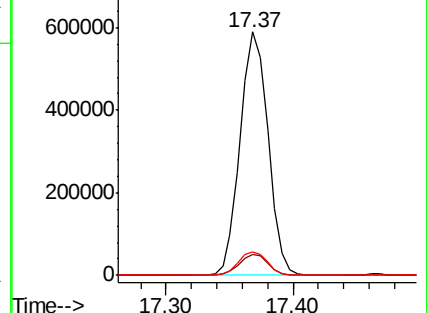
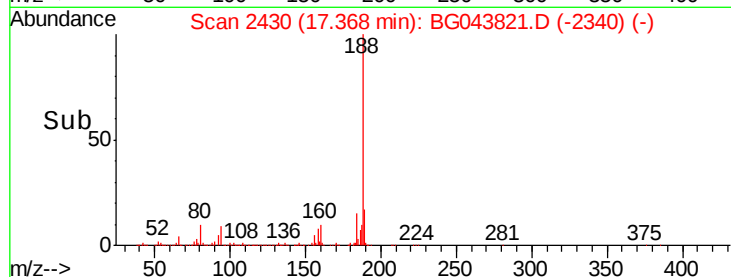
80 9.8 7.8 11.8



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: 10.000 ng

RT: 16.12 min Scan# 2217

Delta R.T. 0.37 min

Lab File: BG043821.D

Acq: 17 Dec 2019 16:04

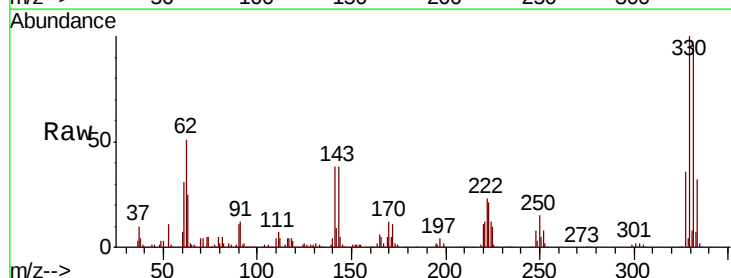
Tgt Ion:198 Resp: 2165

Ion Ratio Lower Upper

198 100

51 94.1 18.9 58.9#

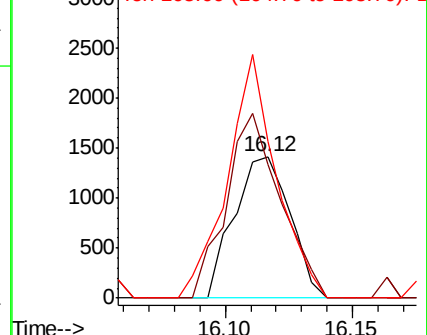
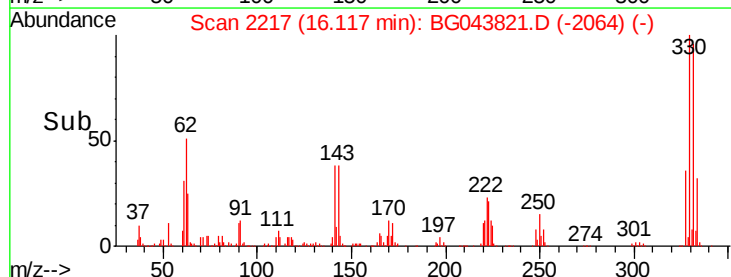
105 110.3 18.1 58.1#

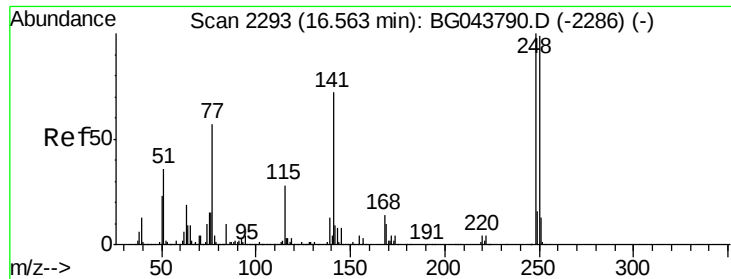


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.649 ng

RT: 16.12 min Scan# 2217

Delta R.T. -0.45 min

Lab File: BG043821.D

Acq: 17 Dec 2019 16:04

Instrument :

BNA_G

ClientSampleId :

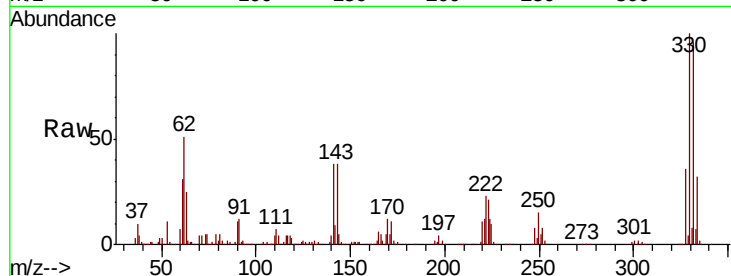
Tot Ion:248 Resp: 44771

Ion Ratio Lower Upper

248 100

250 184.6 79.0 118.6#

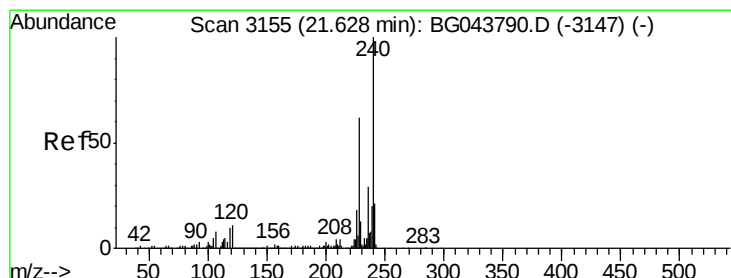
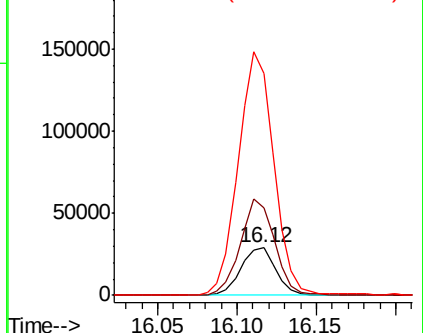
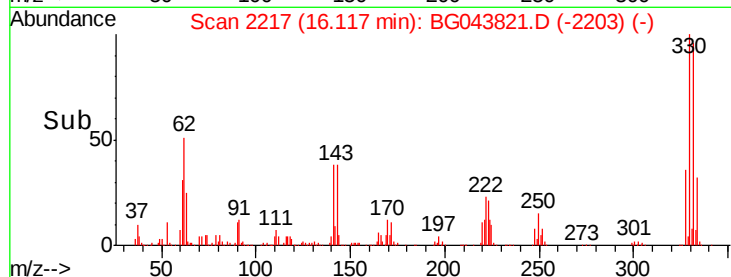
141 464.6 57.8 86.6#



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: 21.63 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BG043821.D

Acq: 17 Dec 2019 16:04

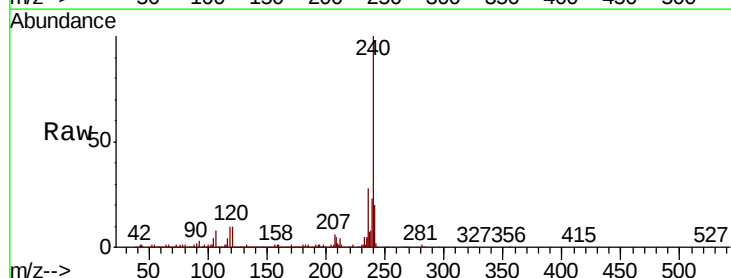
Tgt Ion:240 Resp: 789761

Ion Ratio Lower Upper

240 100

120 10.2 8.6 12.8

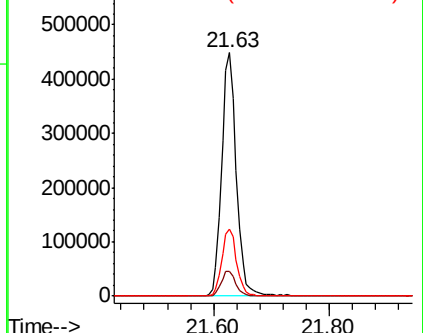
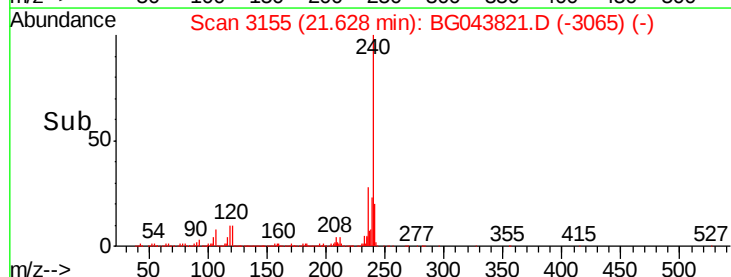
236 27.7 23.1 34.7

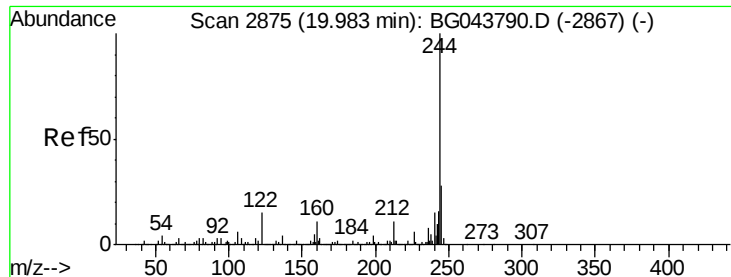


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 87.555 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG043821.D

Acq: 17 Dec 2019 16:04

Instrument :

BNA_G

ClientSampleId :

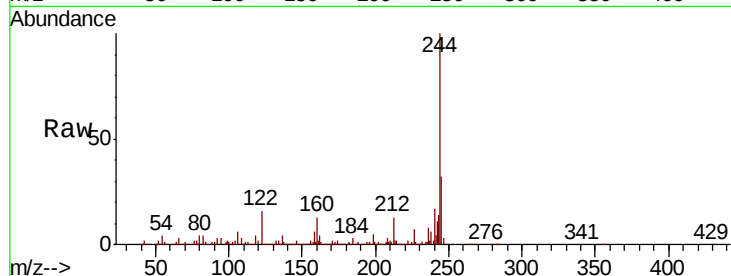
Tot Ion:244 Resp: 2874218

Ion Ratio Lower Upper

244 100

212 12.8 9.1 13.7

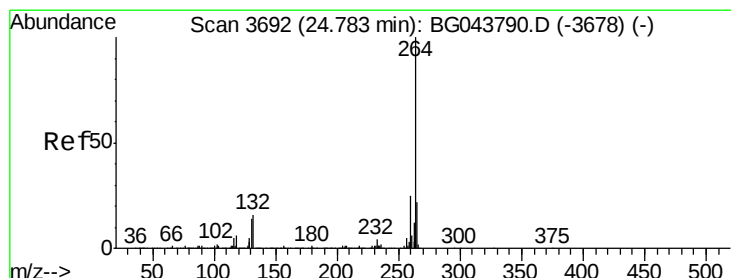
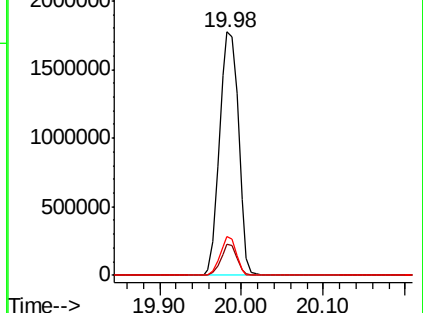
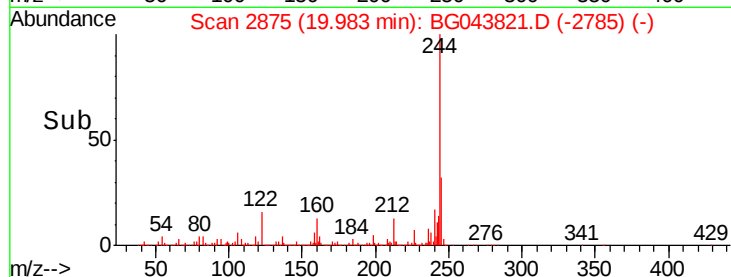
122 16.0 11.6 17.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.79 min Scan# 3693

Delta R.T. 0.01 min

Lab File: BG043821.D

Acq: 17 Dec 2019 16:04

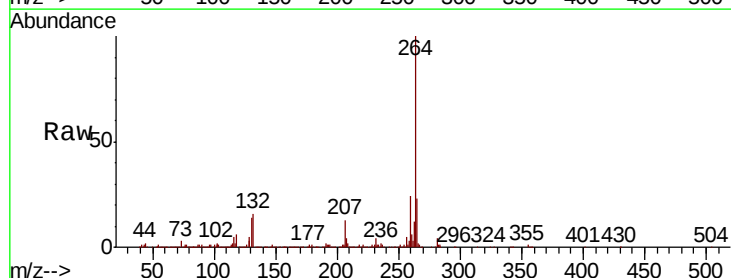
Tgt Ion:264 Resp: 837608

Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.8

265 22.6 17.9 26.9



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

