

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020420\
 Data File : BG044287.D
 Acq On : 4 Feb 2020 19:15
 Operator : CG/JU
 Sample : L1304-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 05 04:38:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	79329	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	326363	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	216323	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	515420	20.00	ng	0.00
76) Chrysene-d12	21.55	240	490872	20.00	ng	0.00
87) Perylene-d12	24.64	264	547088	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	518088	115.26	ng	0.00
7) Phenol-d6	7.12	99	586882	97.23	ng	0.03
23) Nitrobenzene-d5	9.07	82	495866	85.78	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	365067	143.76	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1137837	88.08	ng	0.00
79) Terphenyl-d14	19.92	244	1974054	82.72	ng	0.00

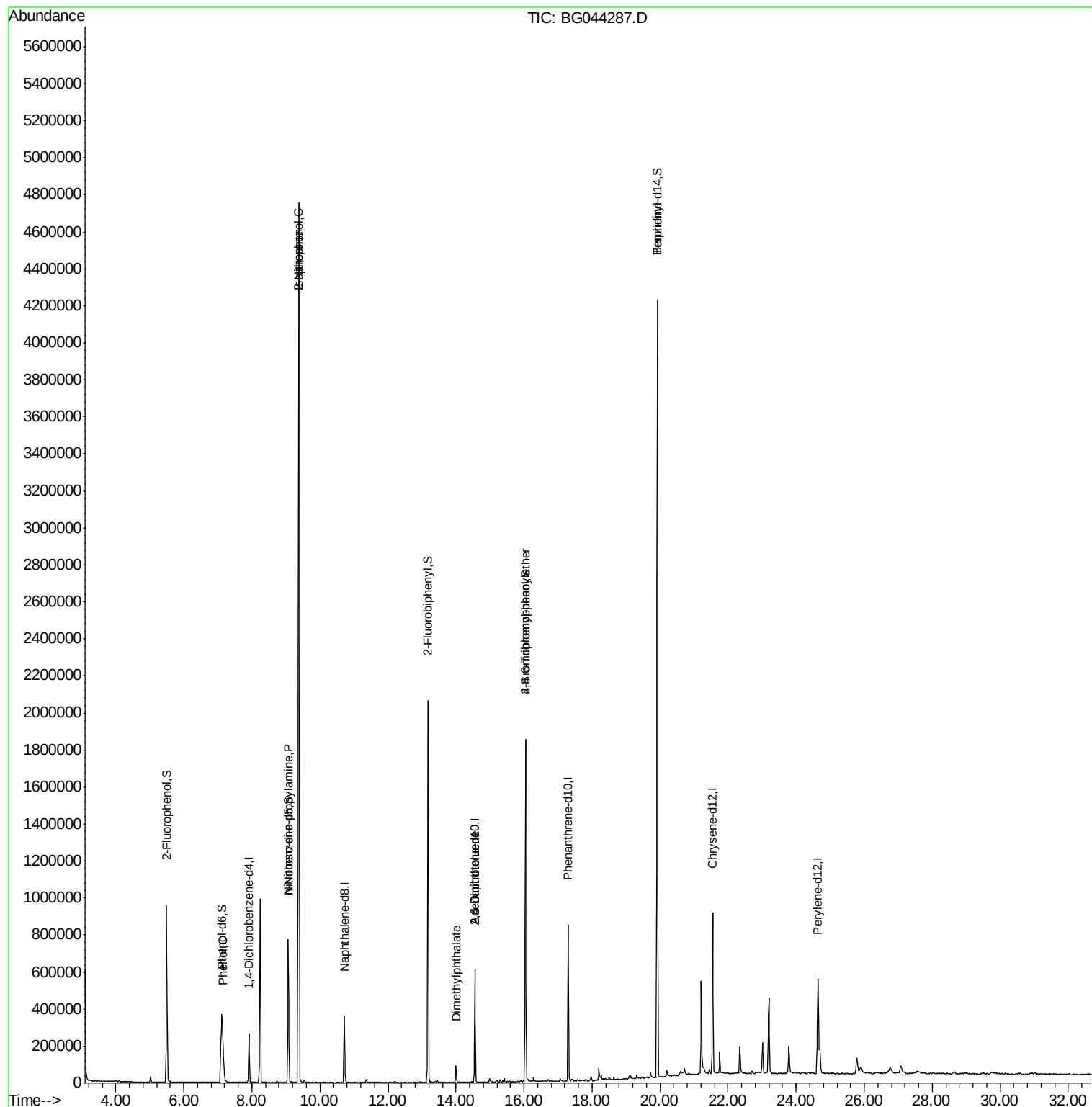
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.14	94	14952	2.503	ng	# 1
19) n-Nitroso-di-n-propylamine	9.07	70	64110	15.937	ng	# 75
25) Isophorone	9.38	82	553209	51.343	ng	# 86
26) 2-Nitrophenol	9.38	139	169616	57.922	ng	# 1
50) Dimethylphthalate	14.01	163	68949	4.434	ng	99
51) 2,6-Dinitrotoluene	14.55	165	27675	7.982	ng	# 29
57) 2,4-Dinitrotoluene	14.55	165	27675	5.695	ng	# 27
67) 4-Bromophenyl-phenylether	16.04	248	25441	4.531	ng	# 1
77) Benzidine	19.92	184	34063	2.502	ng	# 92

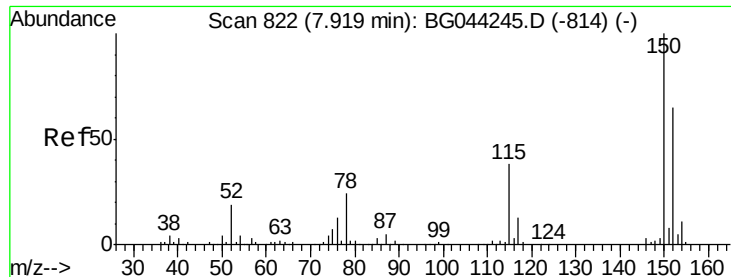
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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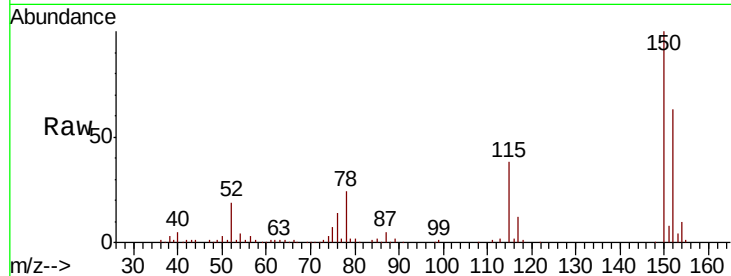


#1

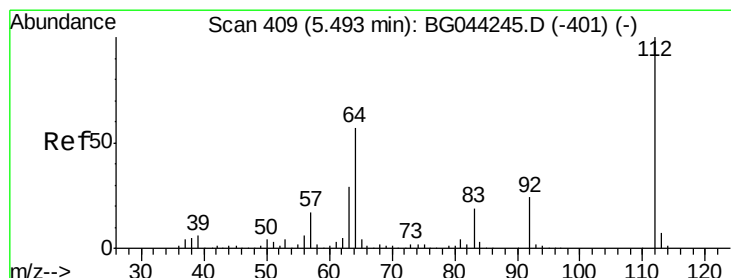
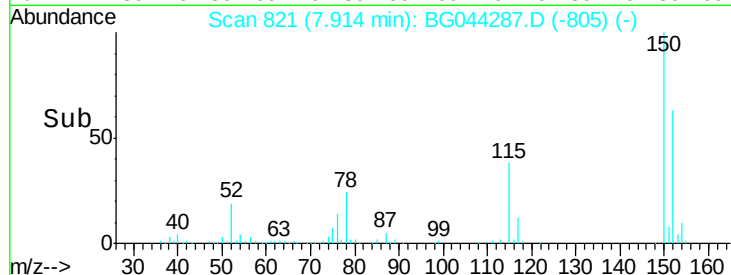
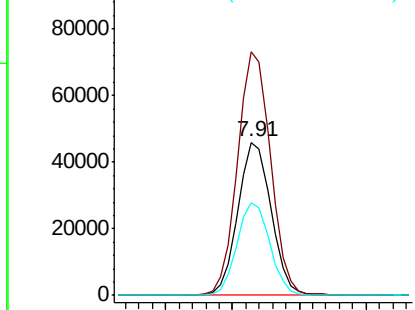
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG044287.D
Acq: 4 Feb 2020 19:15

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 79329
Ion Ratio Lower Upper
152 100
150 158.8 122.6 183.8
115 60.3 46.0 69.0



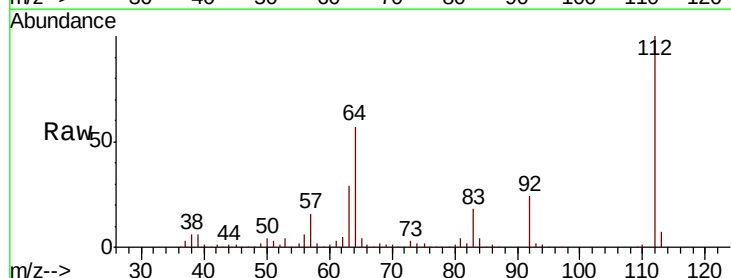
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



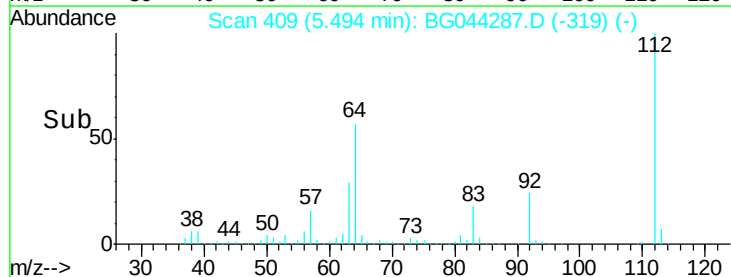
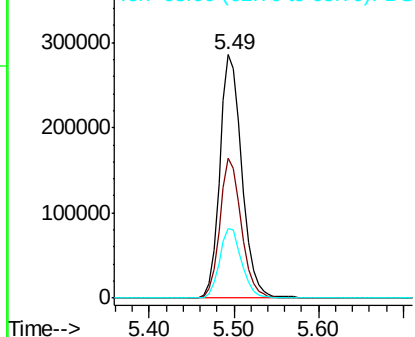
#5

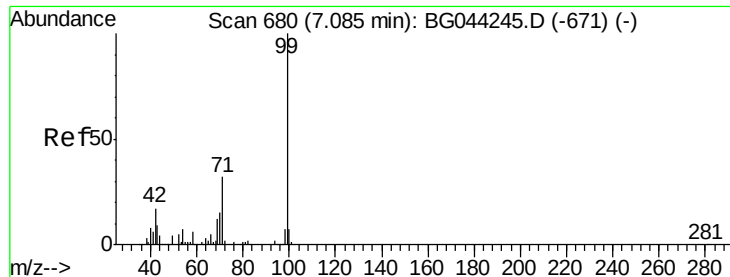
2-Fluorophenol
Concen: 115.260 ng
RT: 5.49 min Scan# 409
Delta R.T. 0.00 min
Lab File: BG044287.D
Acq: 4 Feb 2020 19:15

Tgt Ion:112 Resp: 518088
Ion Ratio Lower Upper
112 100
64 57.2 45.4 68.2
63 28.8 22.9 34.3



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: 97.229 ng

RT: 7.12 min Scan# 685

Delta R.T. 0.03 min

Lab File: BG044287.D

Acq: 4 Feb 2020 19:15

Instrument :

BNA_G

ClientSampleId :

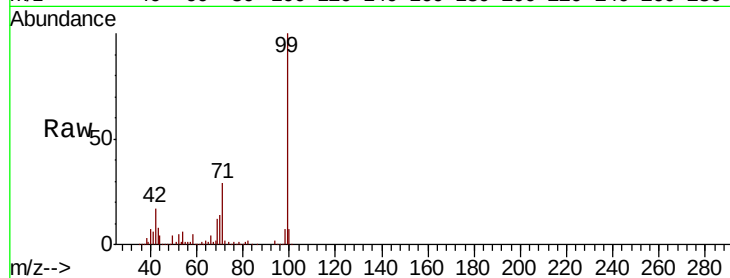
Tot Ion: 99 Resp: 586882

Ion Ratio Lower Upper

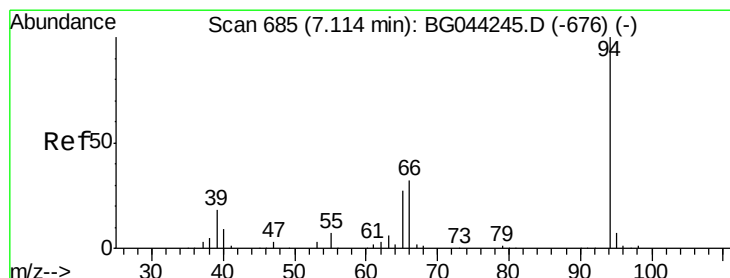
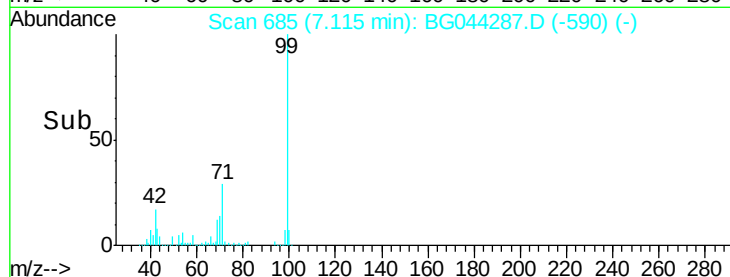
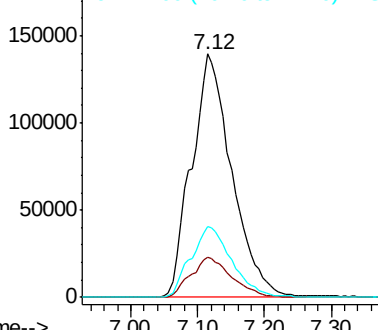
99 100

42 16.7 13.8 20.6

71 28.9 25.5 38.3



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



#10

Phenol

Concen: 2.503 ng

RT: 7.14 min Scan# 690

Delta R.T. 0.03 min

Lab File: BG044287.D

Acq: 4 Feb 2020 19:15

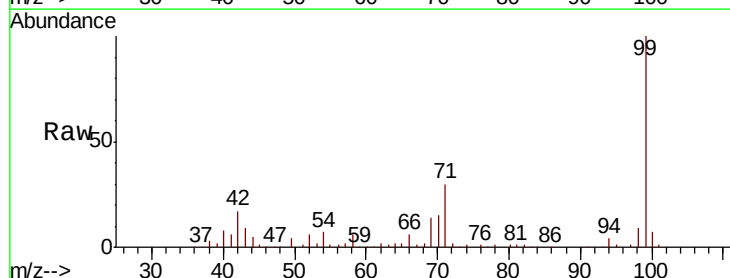
Tgt Ion: 94 Resp: 14952

Ion Ratio Lower Upper

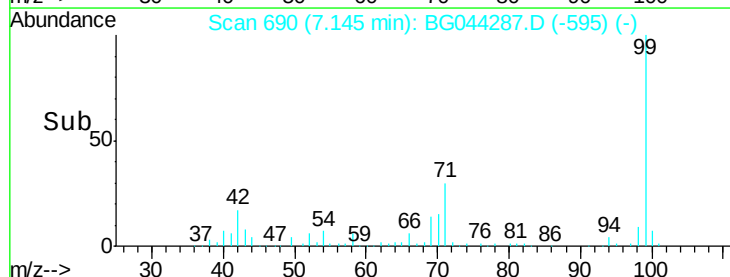
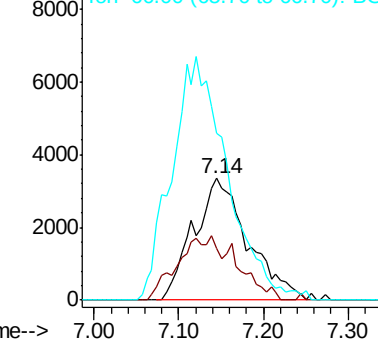
94 100

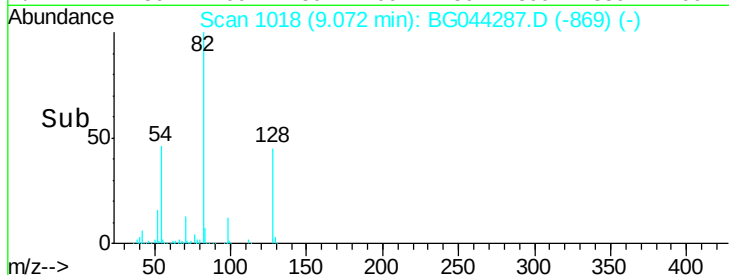
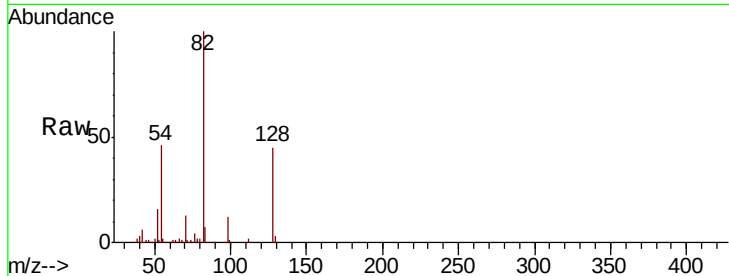
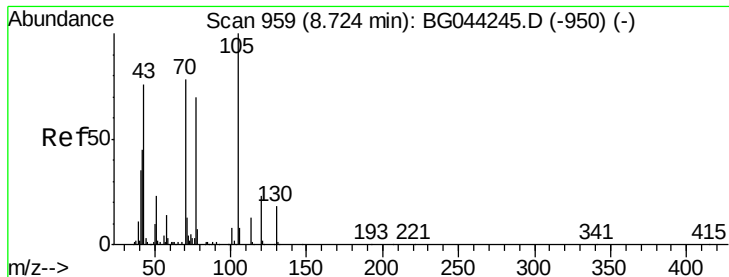
65 42.3 7.0 47.0

66 136.8 12.7 52.7#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

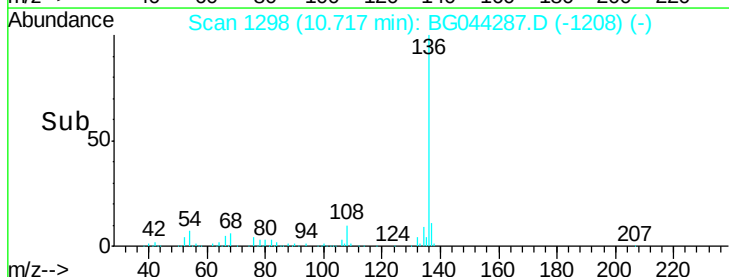
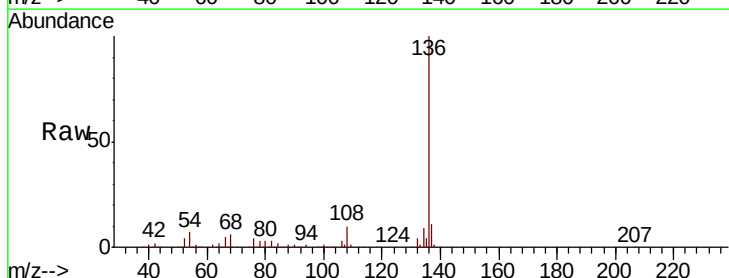
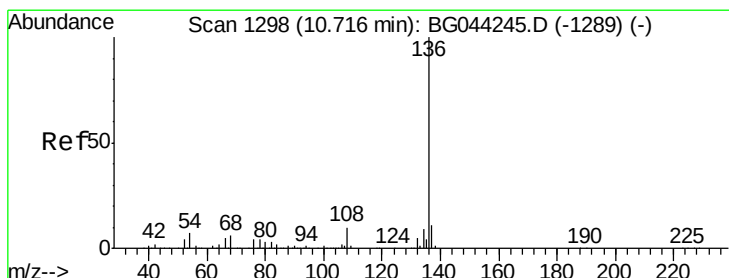
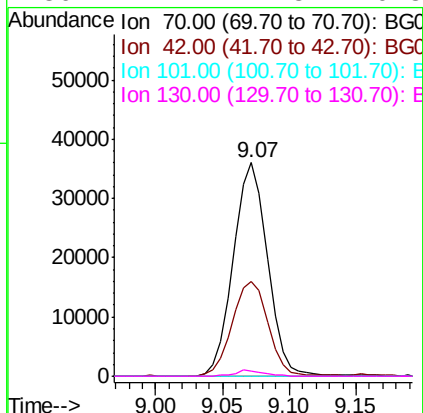




#19
n-Nitroso-di-n-propylamine
Concen: 15.937 ng
RT: 9.07 min Scan# 1018
Delta R.T. 0.35 min
Lab File: BG044287.D
Acq: 4 Feb 2020 19:15

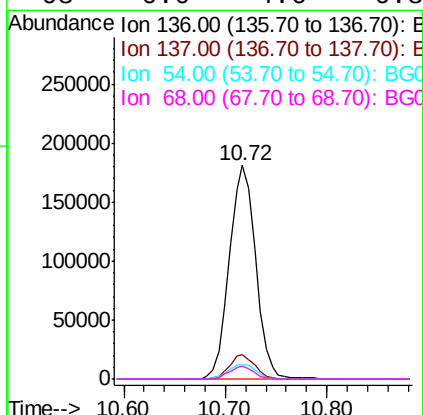
Instrument :
BNA_G
ClientSampleId :

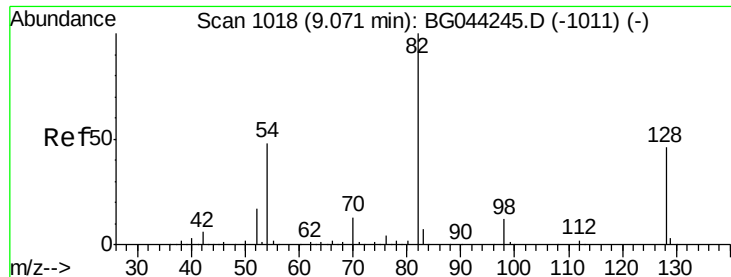
Tot Ion	70	Ratio	Lower	Upper
70	100			
42	44.4	46.2	69.2#	
101	0.0	8.4	12.6#	
130	2.4	17.8	26.8#	



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG044287.D
Acq: 4 Feb 2020 19:15

Tgt Ion	136	Ratio	Lower	Upper
136	100			
137	11.2	8.8	13.2	
54	6.9	5.8	8.8	
68	6.0	4.6	6.8	

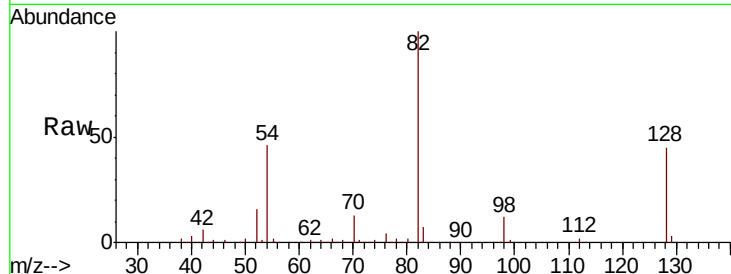




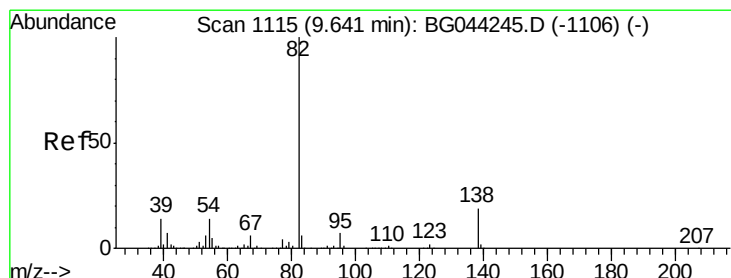
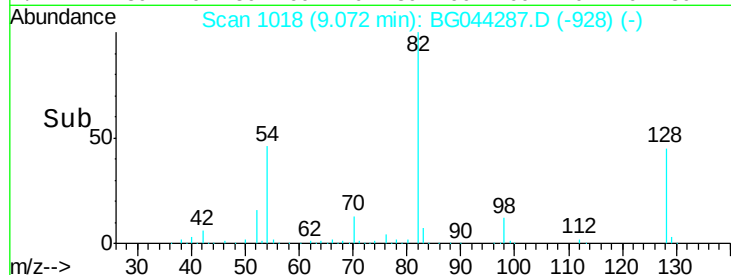
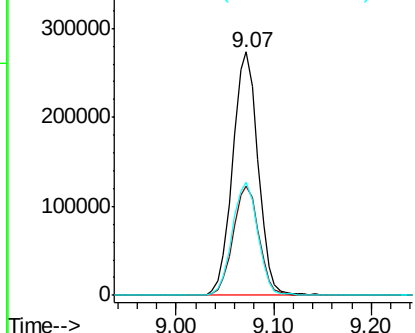
#23
 Nitrobenzene-d5
 Concen: 85.778 ng
 RT: 9.07 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: BG044287.D
 Acq: 4 Feb 2020 19:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	495866
Ion Ratio	Lower	Upper	
82	100		
128	45.1	36.5	54.7
54	46.3	38.6	58.0

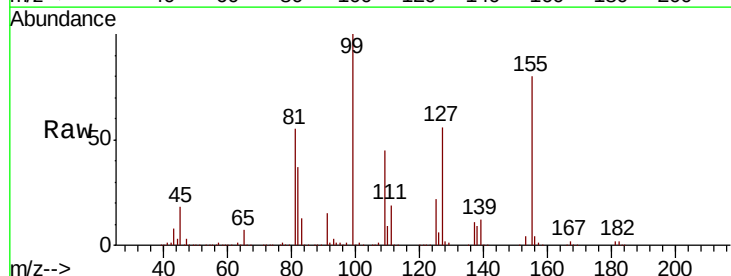


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

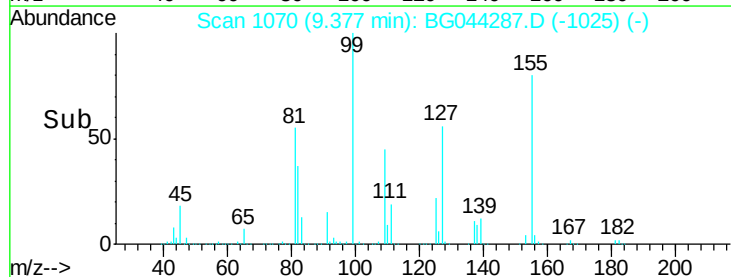
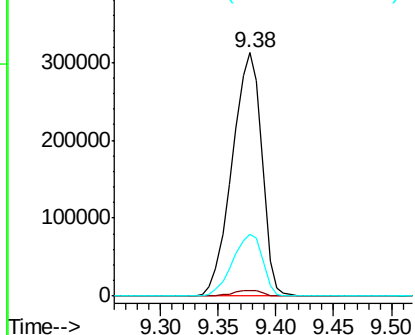


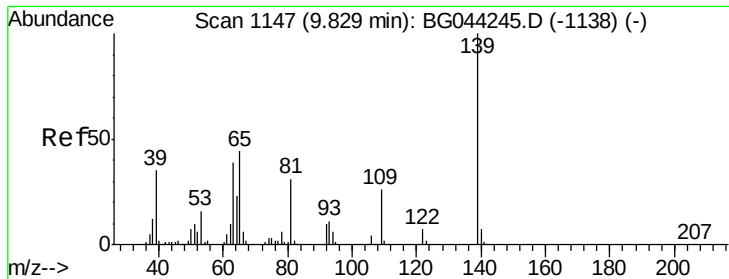
#25
 Isophorone
 Concen: 51.343 ng
 RT: 9.38 min Scan# 1070
 Delta R.T. -0.26 min
 Lab File: BG044287.D
 Acq: 4 Feb 2020 19:15

Tgt Ion	82	Resp	553209
Ion Ratio	Lower	Upper	
82	100		
95	2.4	5.7	8.5#
138	25.2	15.0	22.4#



Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC
 Ion 138.00 (137.70 to 138.70): BGC

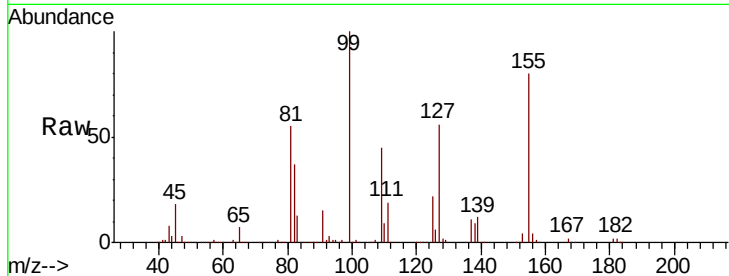




#26
2-Nitrophenol
Concen: 57.922 ng
RT: 9.38 min Scan# 1070
Delta R.T. -0.45 min
Lab File: BG044287.D
Acq: 4 Feb 2020 19:15

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	386.4	21.0	31.4#
65	60.8	35.0	52.4#

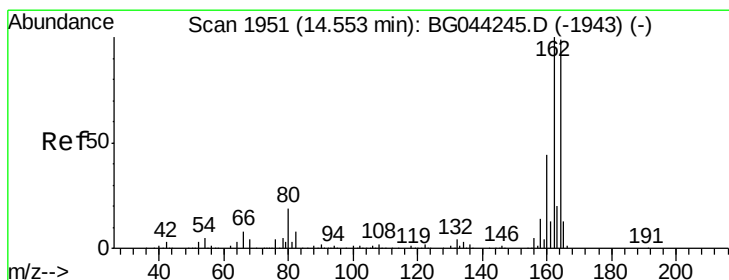
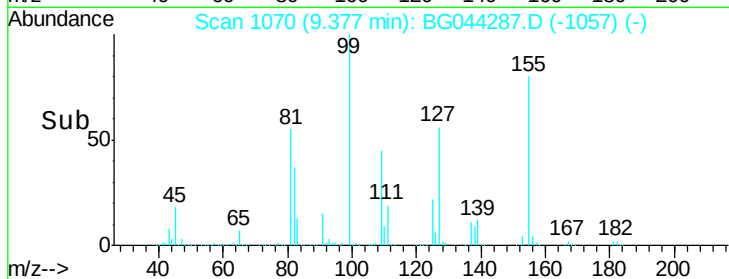
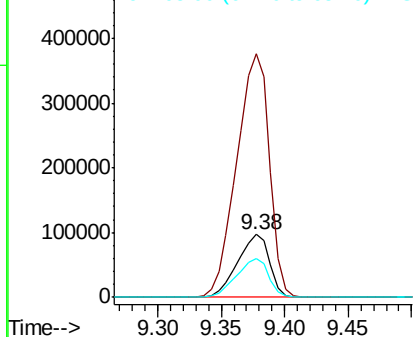


Abundance

Ion 139.00 (138.70 to 139.70): E

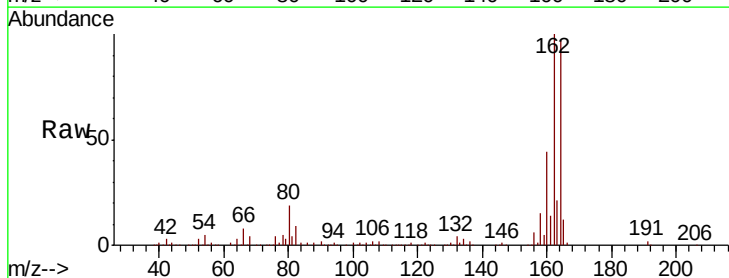
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): B



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BG044287.D
Acq: 4 Feb 2020 19:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	80.7	121.1
160	45.1	35.3	52.9

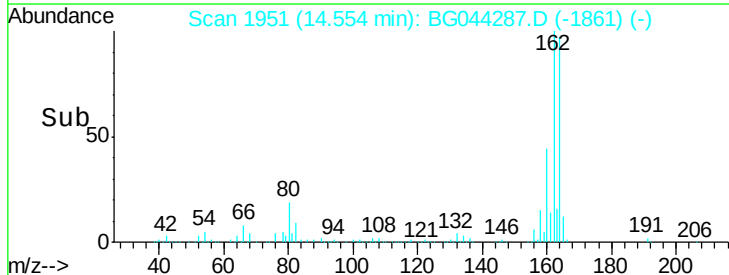
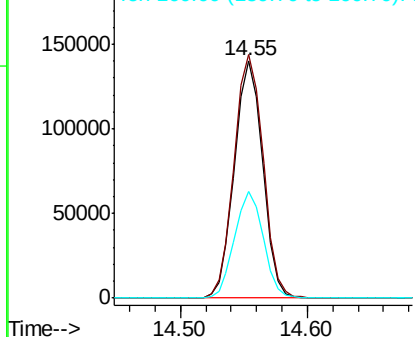


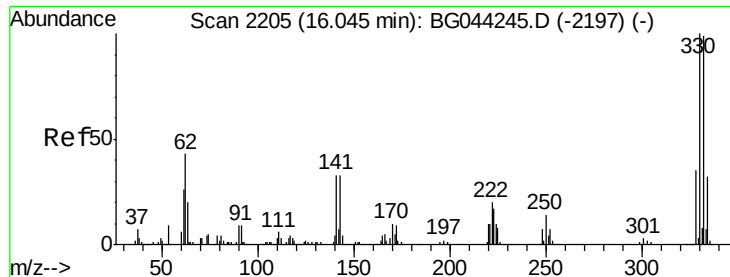
Abundance

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: 143.755 ng

RT: 16.05 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BG044287.D

Acq: 4 Feb 2020 19:15

Instrument :

BNA_G

ClientSampleId :

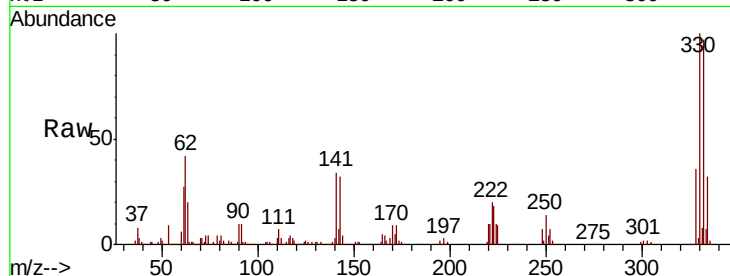
Tot Ion:330 Resp: 365067

Ion Ratio Lower Upper

330 100

332 96.1 77.2 115.8

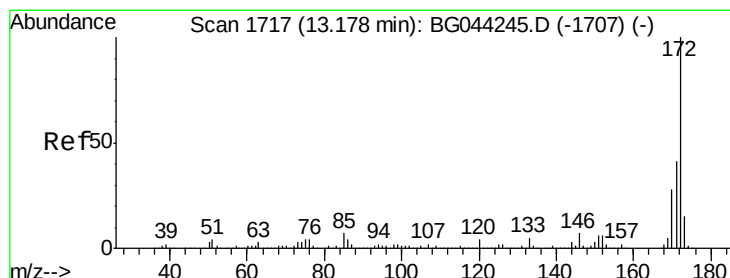
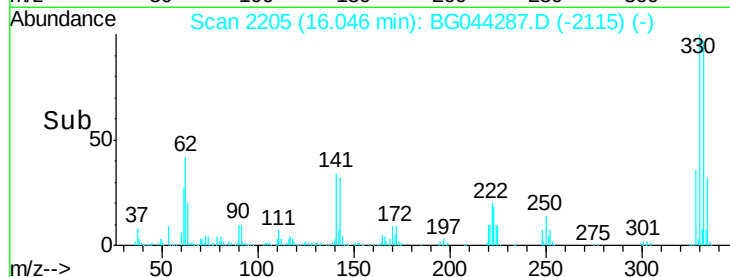
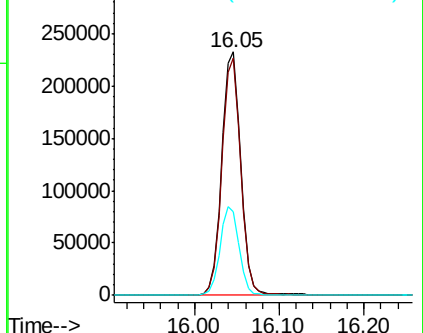
141 36.7 28.3 42.5



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: 88.080 ng

RT: 13.18 min Scan# 1717

Delta R.T. 0.00 min

Lab File: BG044287.D

Acq: 4 Feb 2020 19:15

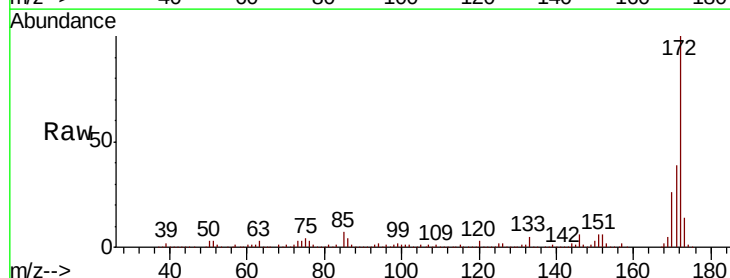
Tgt Ion:172 Resp: 1137837

Ion Ratio Lower Upper

172 100

171 38.9 32.9 49.3

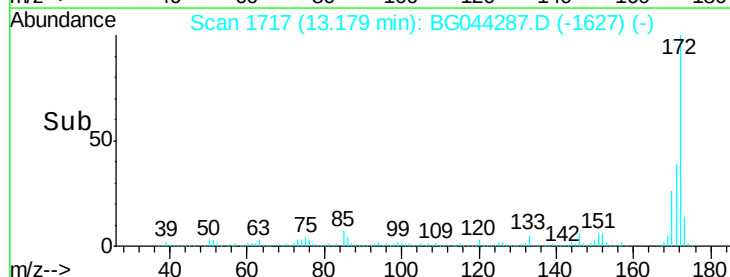
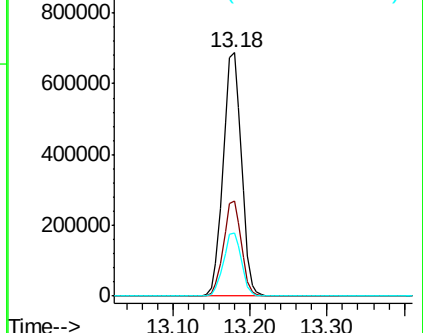
170 26.2 22.0 33.0

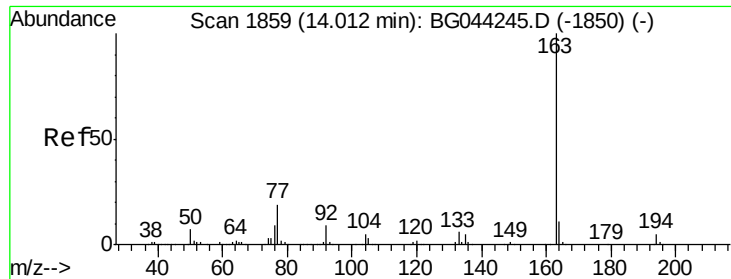


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.434 ng

RT: 14.01 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BG044287.D

Acq: 4 Feb 2020 19:15

Instrument :

BNA_G

ClientSampleId :

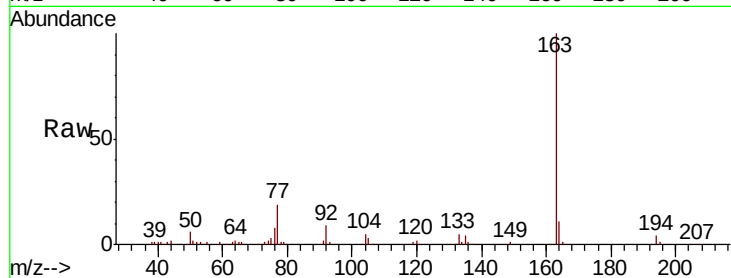
Tot Ion:163 Resp: 68949

Ion Ratio Lower Upper

163 100

194 4.2 3.6 5.4

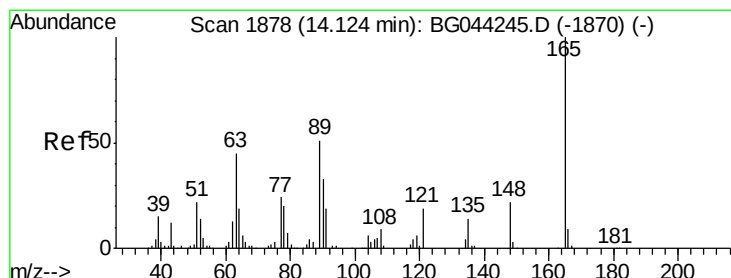
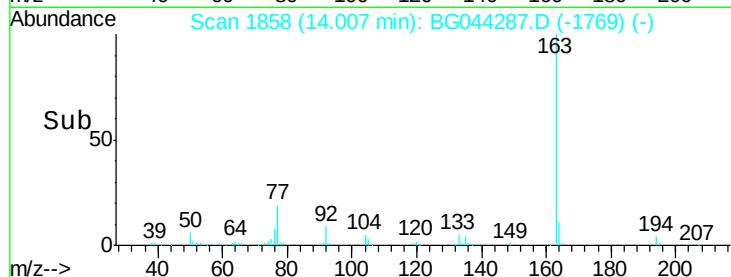
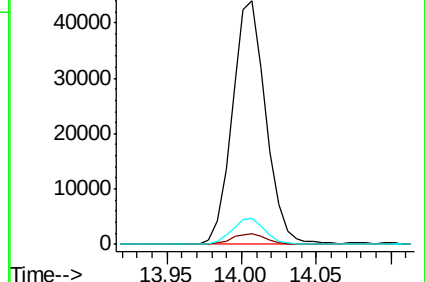
164 10.5 8.7 13.1



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



#51

2,6-Dinitrotoluene

Concen: 7.982 ng

RT: 14.55 min Scan# 1951

Delta R.T. 0.43 min

Lab File: BG044287.D

Acq: 4 Feb 2020 19:15

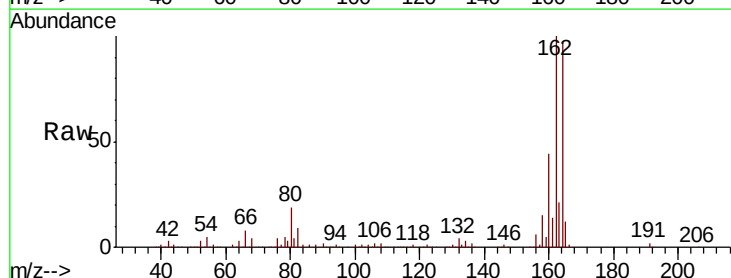
Tgt Ion:165 Resp: 27675

Ion Ratio Lower Upper

165 100

63 1.5 38.7 58.1#

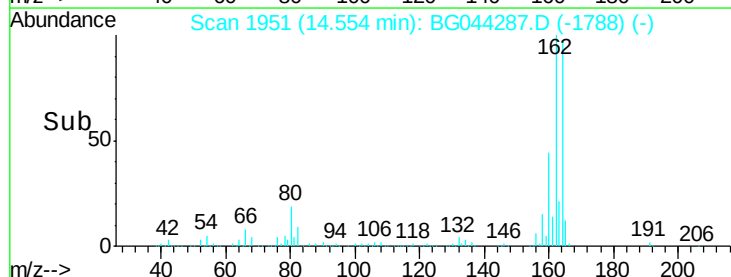
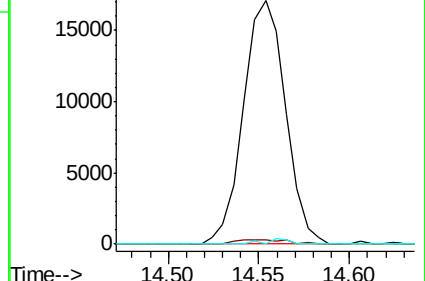
89 0.0 40.4 60.6#

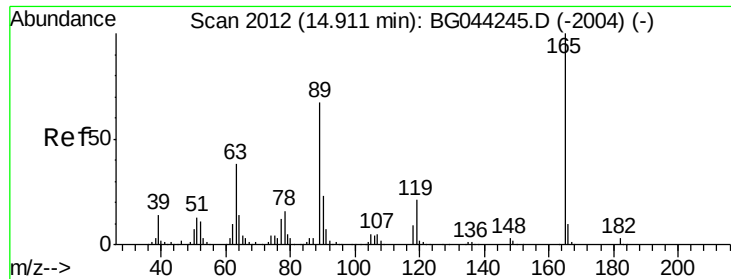


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

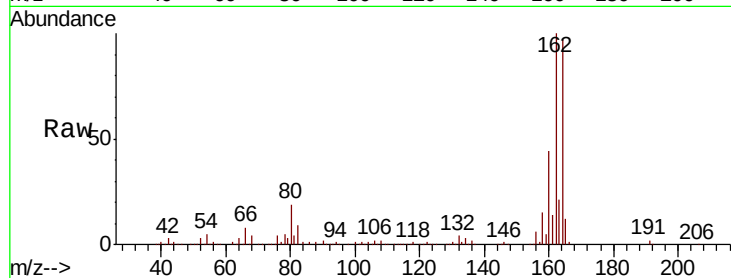




#57
 2,4-Dinitrotoluene
 Concen: 5.695 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG044287.D
 Acq: 4 Feb 2020 19:15

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	30.3	45.5#
89	0.0	53.4	80.2#
182	0.0	2.1	3.1#



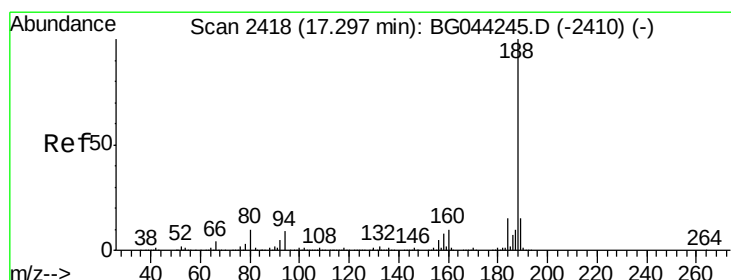
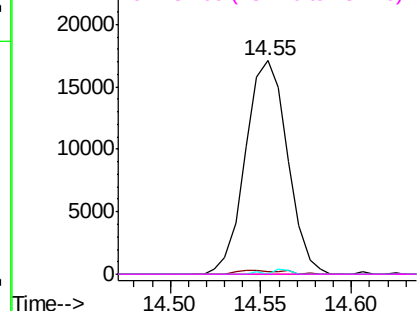
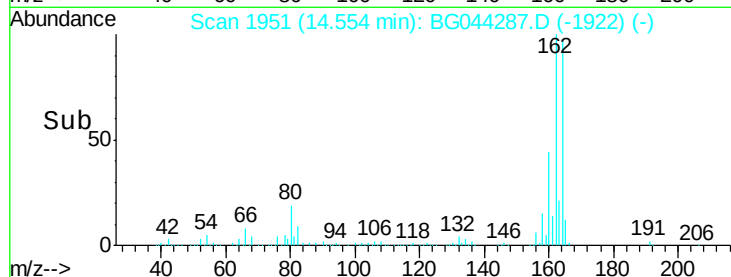
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

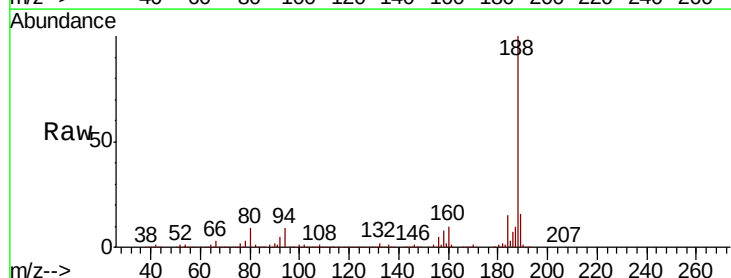
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: BG044287.D
 Acq: 4 Feb 2020 19:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.4	11.2
80	9.4	7.7	11.5

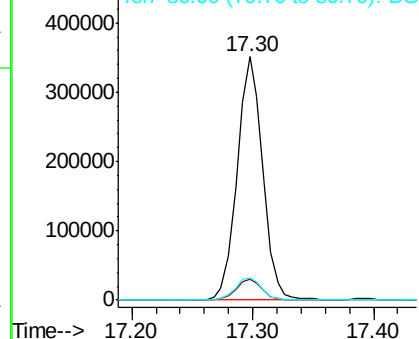
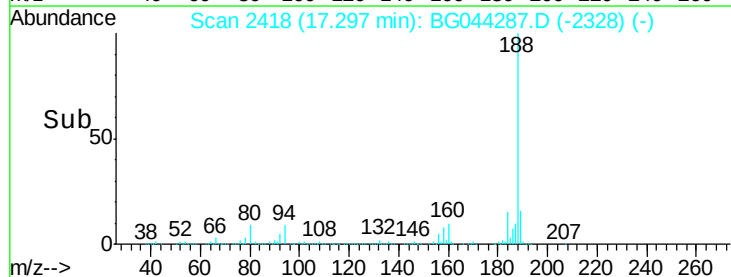


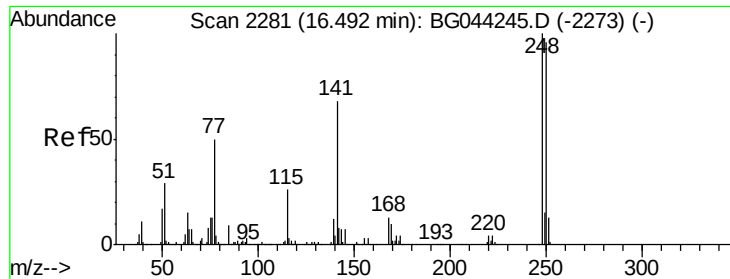
Abundance

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





#67

4-Bromophenyl-phenylether

Concen: 4.531 ng

RT: 16.04 min Scan# 2204

Delta R.T. -0.45 min

Lab File: BG044287.D

Acq: 4 Feb 2020 19:15

Instrument :

BNA_G

ClientSampleId :

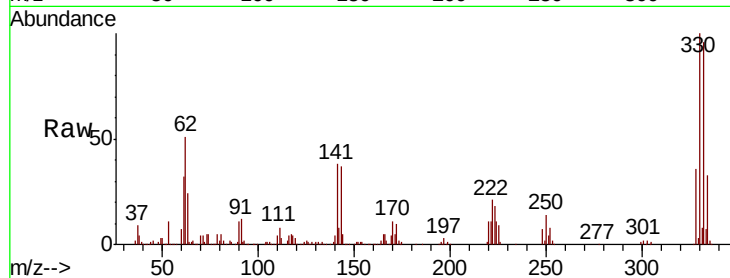
Tot Ion:248 Resp: 25441

Ion Ratio Lower Upper

248 100

250 198.0 76.6 114.8#

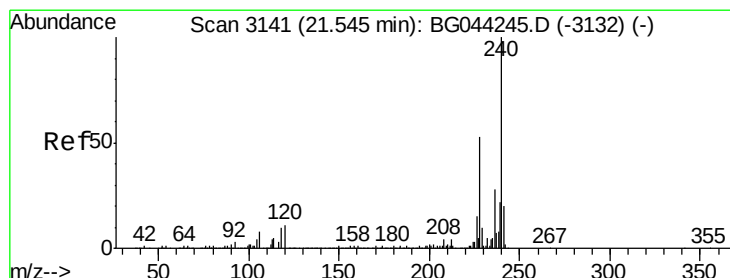
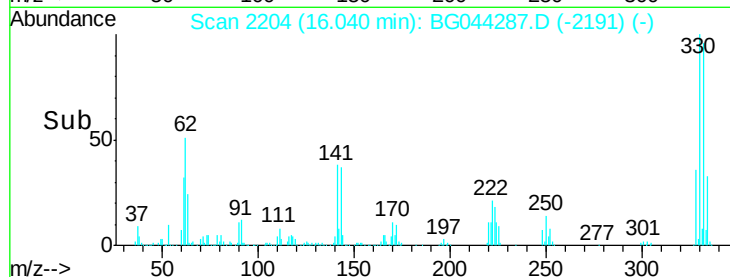
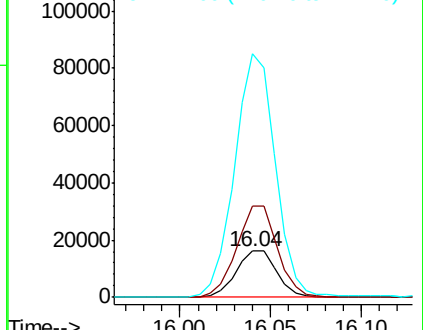
141 526.5 54.7 82.1#



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: 21.55 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG044287.D

Acq: 4 Feb 2020 19:15

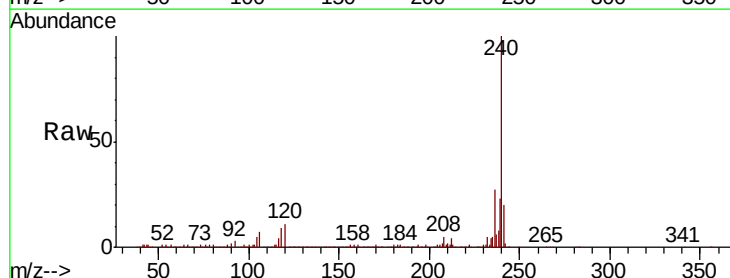
Tgt Ion:240 Resp: 490872

Ion Ratio Lower Upper

240 100

120 10.7 8.4 12.6

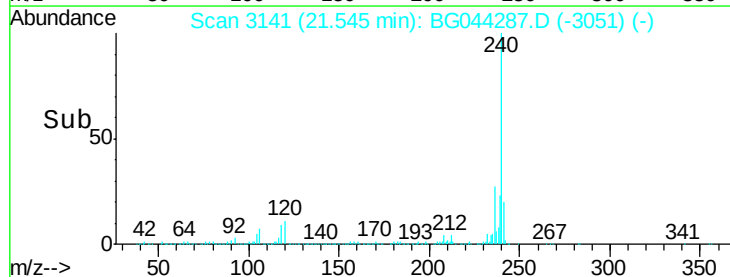
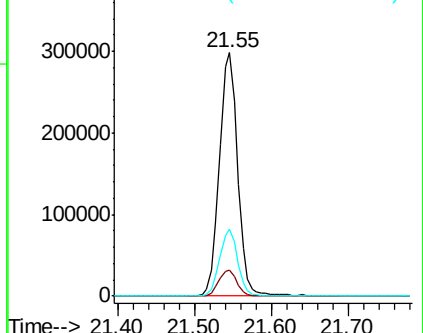
236 27.4 22.1 33.1

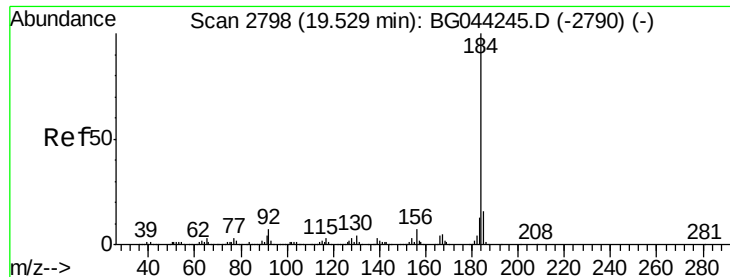


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.502 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.39 min

Lab File: BG044287.D

Acq: 4 Feb 2020 19:15

Instrument :

BNA_G

ClientSampleId :

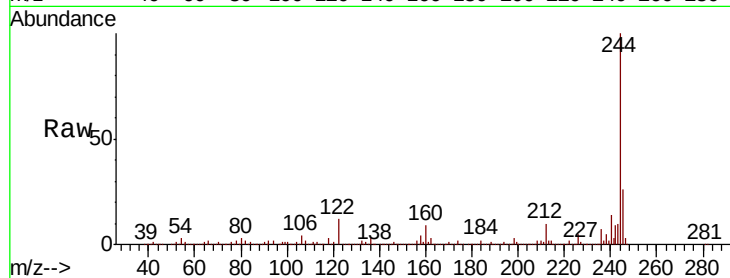
Tot Ion:184 Resp: 34063

Ion Ratio Lower Upper

184 100

185 16.9 12.9 19.3

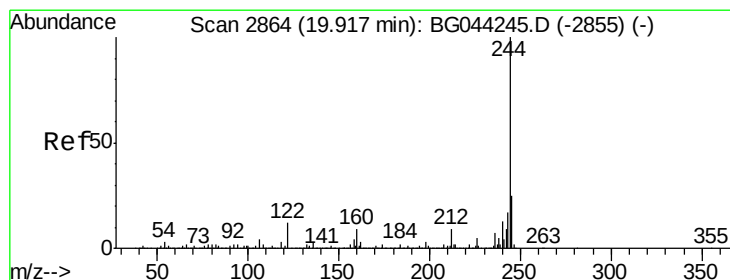
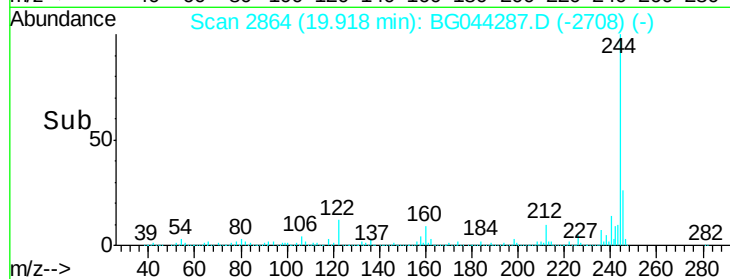
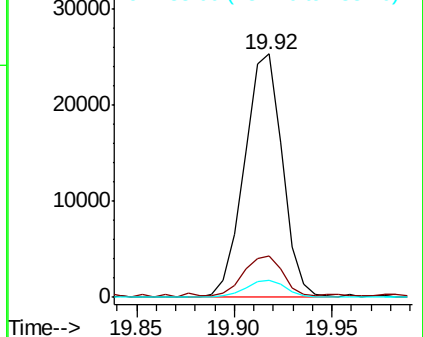
183 7.2 10.8 16.2#



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: 82.718 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.00 min

Lab File: BG044287.D

Acq: 4 Feb 2020 19:15

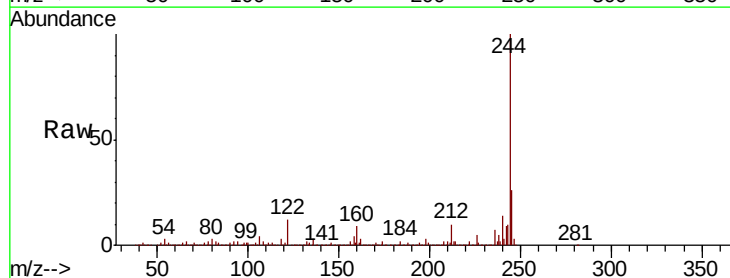
Tgt Ion:244 Resp: 1974054

Ion Ratio Lower Upper

244 100

212 9.6 7.4 11.2

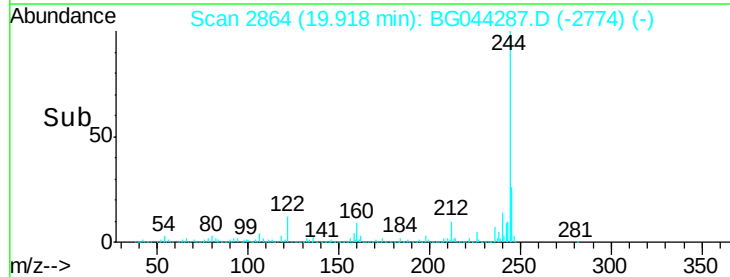
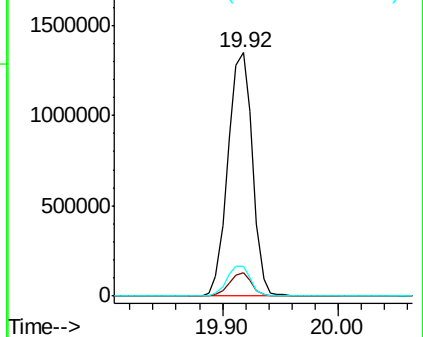
122 12.4 9.8 14.6

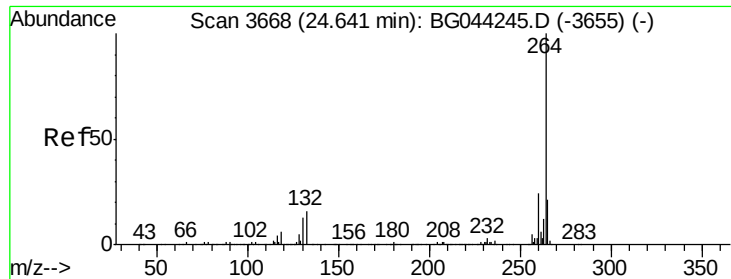


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.64 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: BG044287.D
 Acq: 4 Feb 2020 19:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 264 Resp: 547088
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.2
 265 21.5 16.7 25.1

