

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020420\
 Data File : BG044298.D
 Acq On : 5 Feb 2020 2:30
 Operator : CG/JU
 Sample : L1346-02DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 05 04:41:14 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	7.92	152	87852	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	347336	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	251300	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	559036	20.00	ng	0.00
76) Chrysene-d12	21.54	240	511863	20.00	ng	0.00
87) Perylene-d12	24.64	264	575055	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	393555	79.06	ng	0.00
7) Phenol-d6	7.08	99	509110	76.16	ng	0.00
23) Nitrobenzene-d5	9.08	82	325480	52.90	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	212497	72.03	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	690803	46.03	ng	0.00
79) Terphenyl-d14	19.91	244	1157822	46.53	ng	0.00

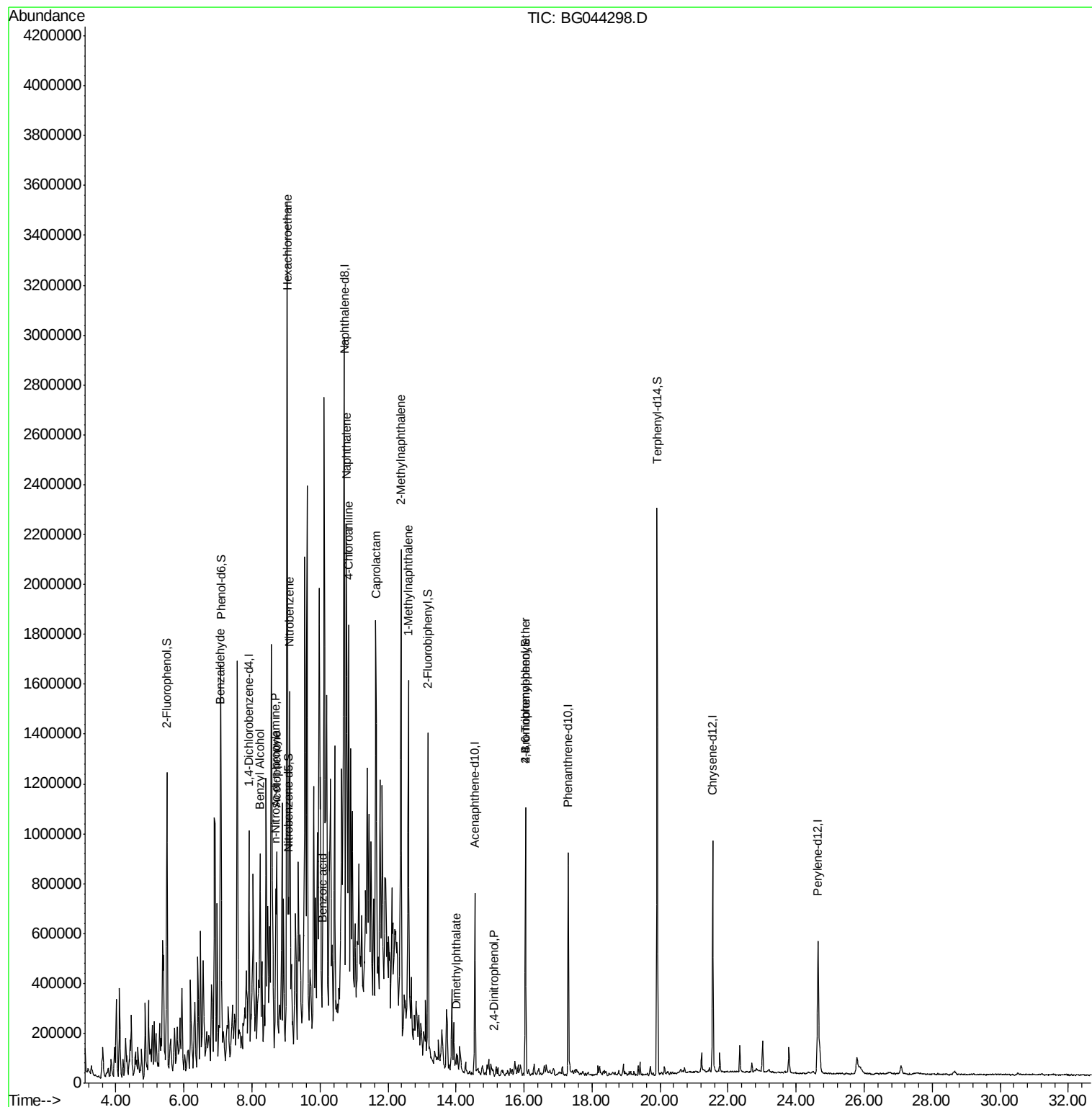
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.07	77	48265	12.678	ng	# 1
15) Benzyl Alcohol	8.24	79	11268	2.381	ng	# 51
18) Hexachloroethane	9.03	117	384439	158.355	ng	# 1
19) n-Nitroso-di-n-propylamine	8.70	70	31941	7.170	ng	# 62
22) Acetophenone	8.73	105	511275	60.509	ng	# 58
24) Nitrobenzene	9.11	77	46108	7.677	ng	# 11
31) Naphthalene	10.77	128	308758	18.322	ng	# 76
32) Benzoic acid	10.06	122	480	14.287	ng	# 1
33) 4-Chloroaniline	10.84	127	39115	5.104	ng	# 1
35) Caprolactam	11.66	113	10153	5.210	ng	# 1
37) 2-Methylnaphthalene	12.38	142	892112	71.301	ng	98
38) 1-Methylnaphthalene	12.60	142	664129	56.301	ng	99
50) Dimethylphthalate	14.01	163	43366	2.401	ng	97
54) 2,4-Dinitrophenol	15.12	184	79	7.655	ng	# 23
67) 4-Bromophenyl-phenylether	16.04	248	14535	2.386	ng	# 1

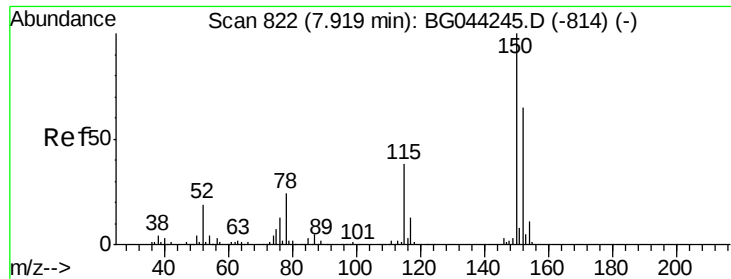
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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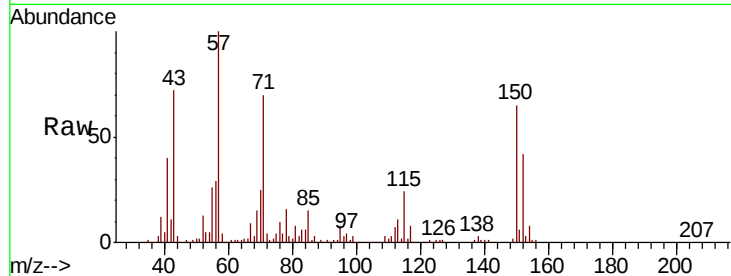


#1

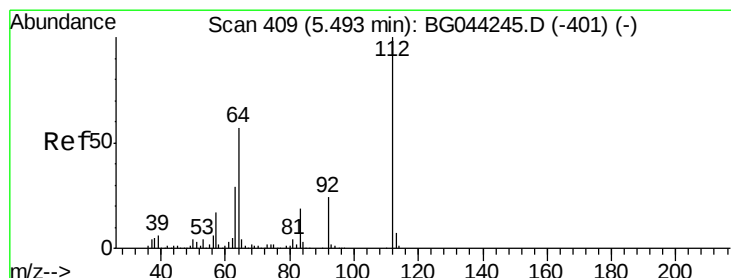
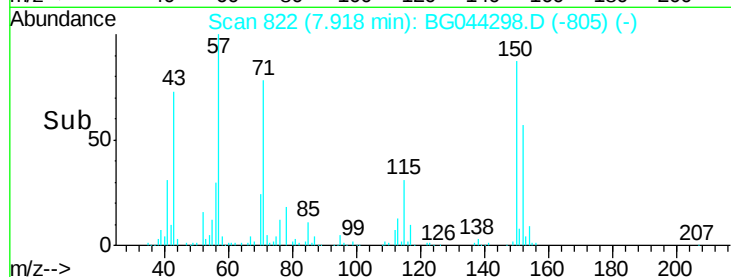
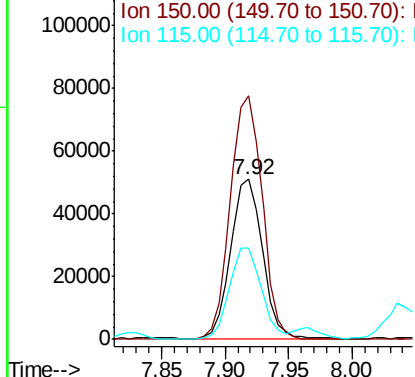
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG044298.D
Acq: 5 Feb 2020 2:30

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 87852
Ion Ratio Lower Upper
152 100
150 152.2 122.6 183.8
115 57.1 46.0 69.0



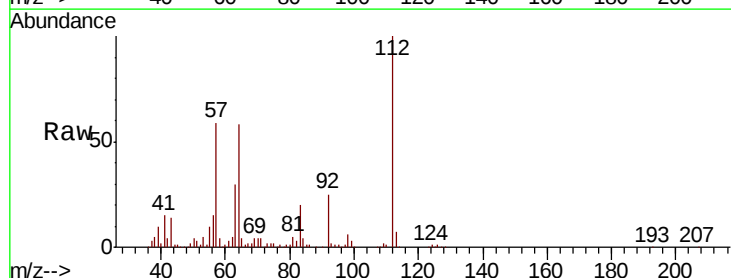
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



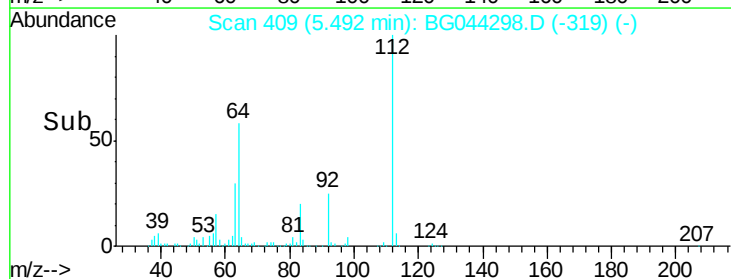
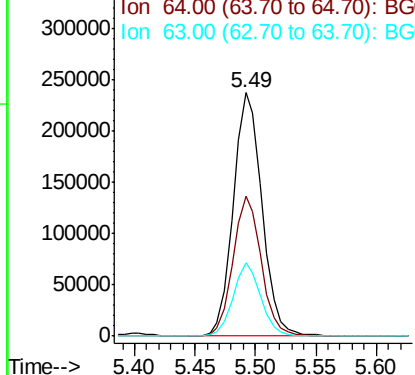
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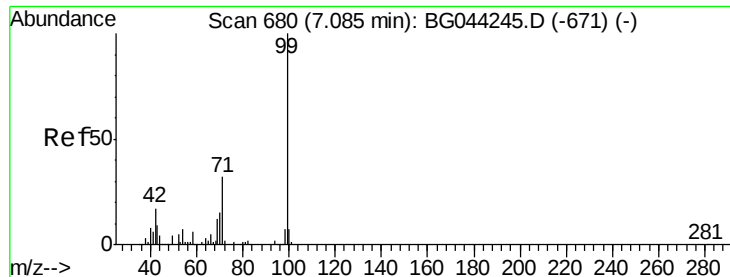
2-Fluorophenol
Concen: 79.061 ng
RT: 5.49 min Scan# 409
Delta R.T. -0.00 min
Lab File: BG044298.D
Acq: 5 Feb 2020 2:30

Tgt Ion:112 Resp: 393555
Ion Ratio Lower Upper
112 100
64 57.5 45.4 68.2
63 29.9 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: 76.162 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG044298.D

Acq: 5 Feb 2020 2:30

Instrument :

BNA_G

ClientSampleId :

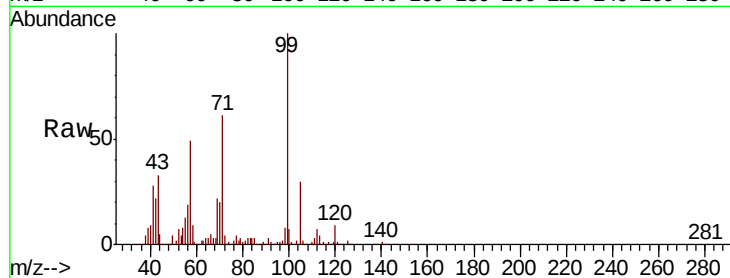
Tot Ion: 99 Resp: 509110

Ion Ratio Lower Upper

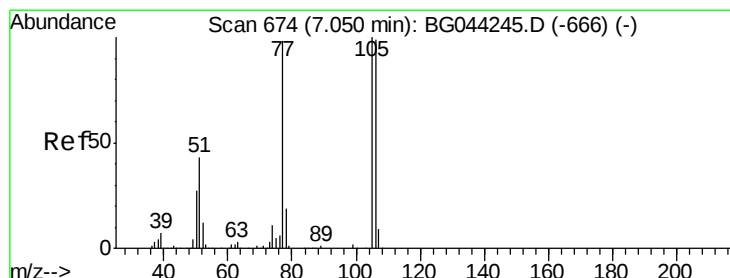
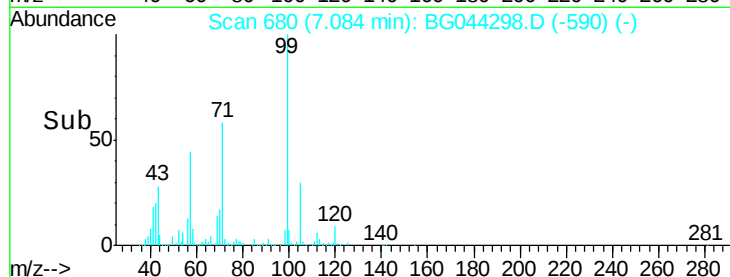
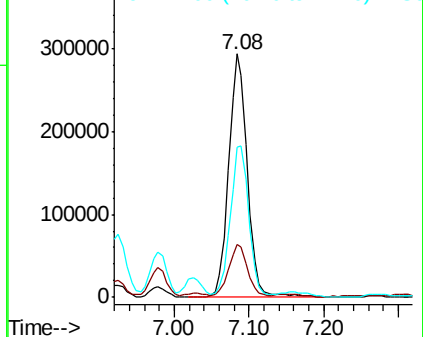
99 100

42 21.7 13.8 20.6#

71 61.5 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



#9

Benzaldehyde

Concen: 12.678 ng

RT: 7.07 min Scan# 677

Delta R.T. 0.02 min

Lab File: BG044298.D

Acq: 5 Feb 2020 2:30

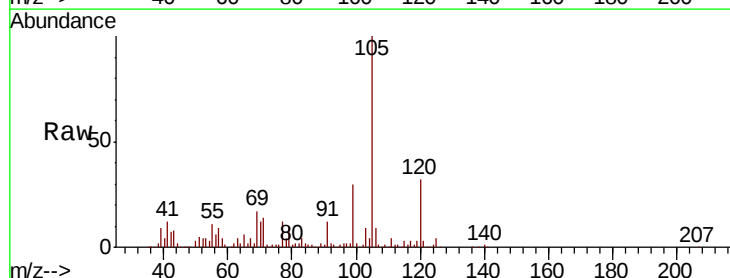
Tgt Ion: 77 Resp: 48265

Ion Ratio Lower Upper

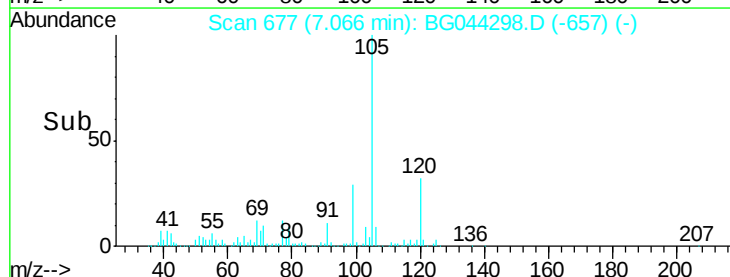
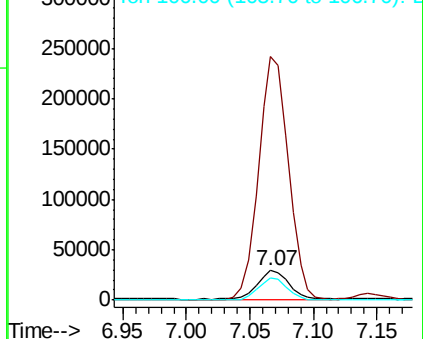
77 100

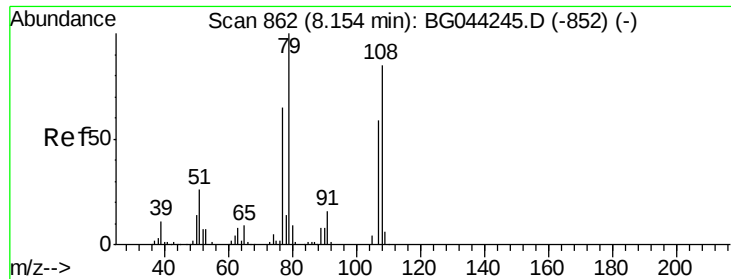
105 824.4 82.0 122.0#

106 76.9 80.7 120.7#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#15

Benzyl Alcohol

Concen: 2.381 ng

RT: 8.24 min Scan# 877

Delta R.T. 0.09 min

Lab File: BG044298.D

Acq: 5 Feb 2020 2:30

Instrument :

BNA_G

ClientSampled :

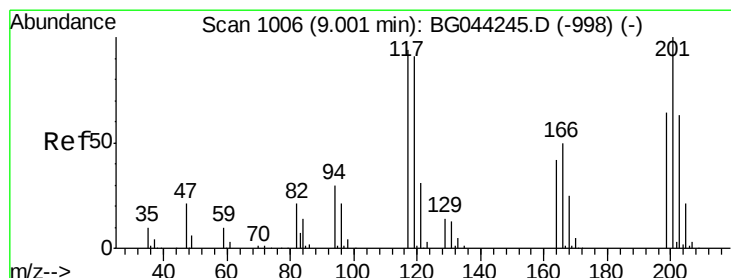
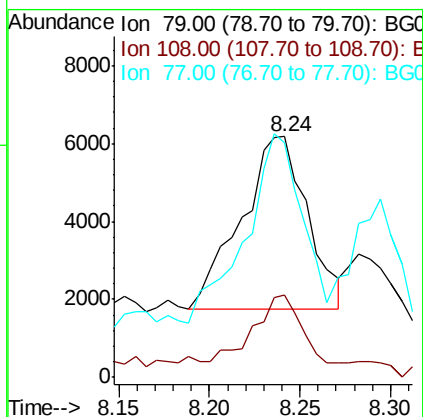
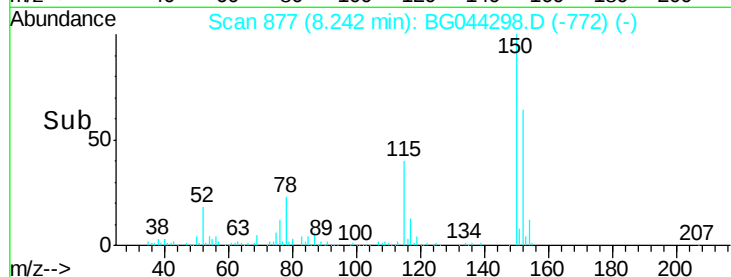
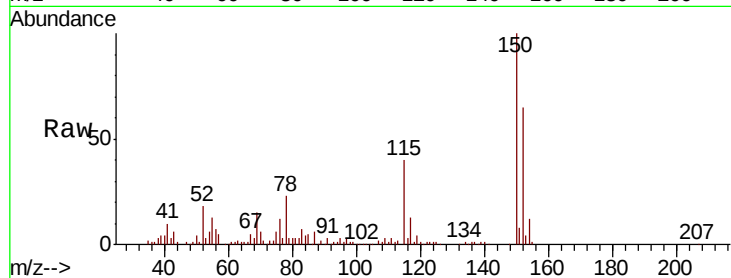
Tot Ion: 79 Resp: 11268

Ion Ratio Lower Upper

79 100

108 34.4 68.3 102.5#

77 97.2 51.8 77.8#



#18

Hexachloroethane

Concen: 158.355 ng

RT: 9.03 min Scan# 1012

Delta R.T. 0.03 min

Lab File: BG044298.D

Acq: 5 Feb 2020 2:30

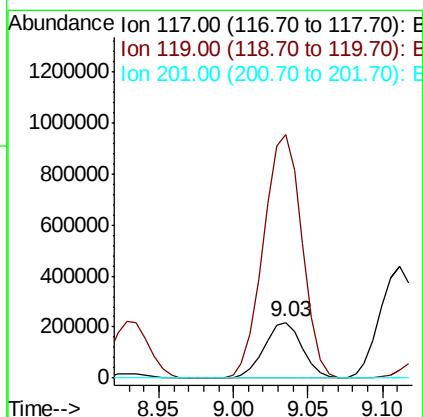
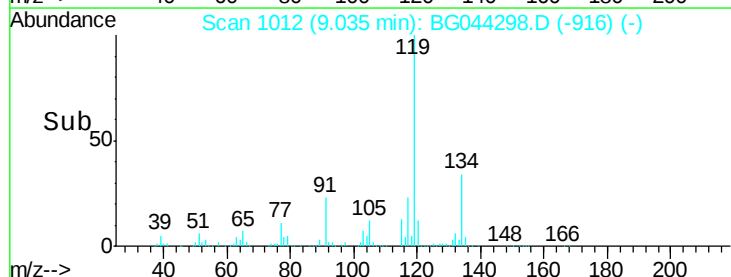
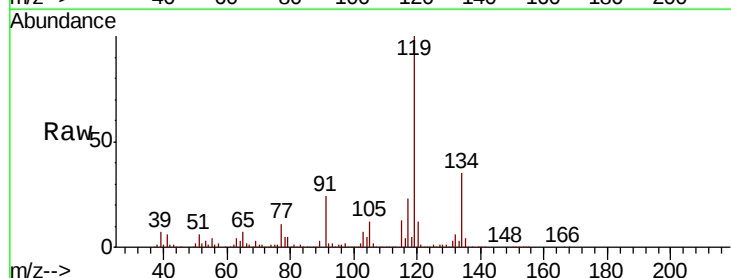
Tgt Ion: 117 Resp: 384439

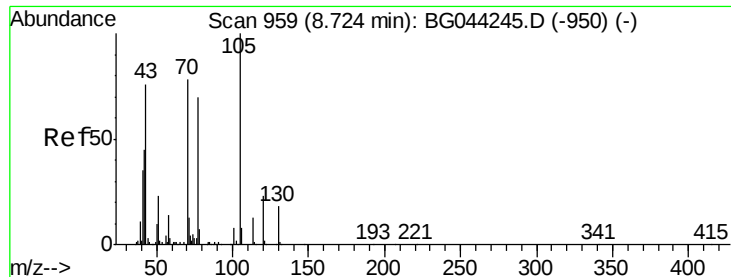
Ion Ratio Lower Upper

117 100

119 435.7 77.5 116.3#

201 0.0 84.9 127.3#

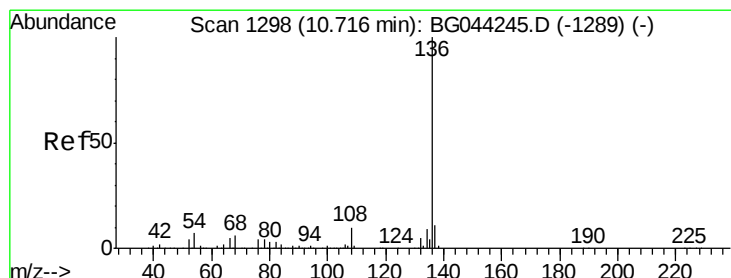
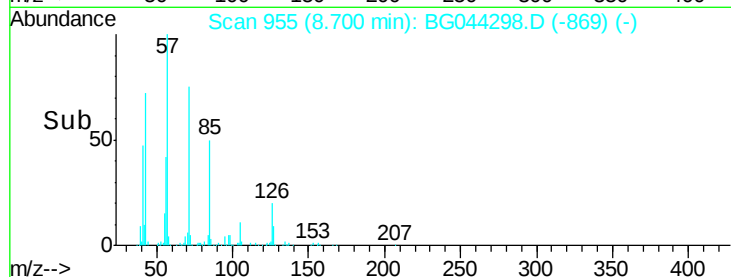
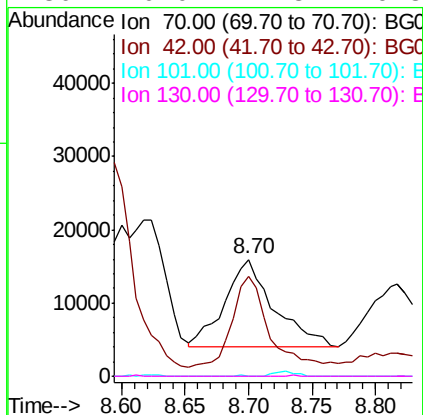
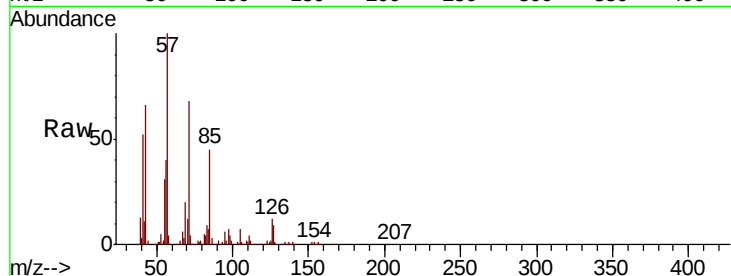




#19
n-Nitroso-di-n-propylamine
Concen: 7.170 ng
RT: 8.70 min Scan# 955
Delta R.T. -0.02 min
Lab File: BG044298.D
Acq: 5 Feb 2020 2:30

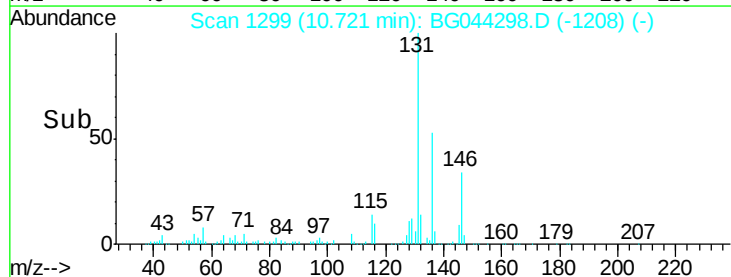
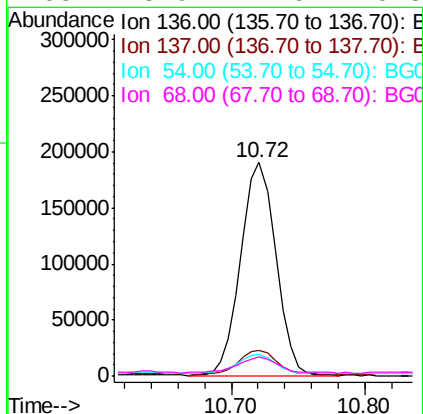
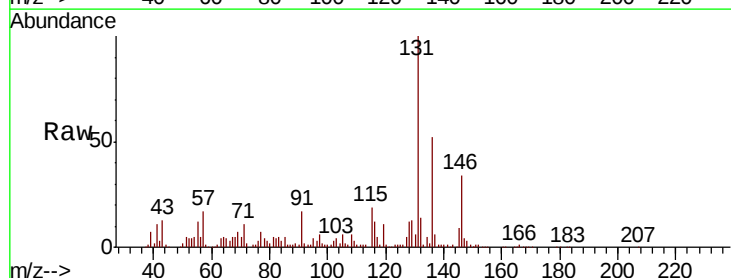
Instrument :
BNA_G
ClientSampleId :

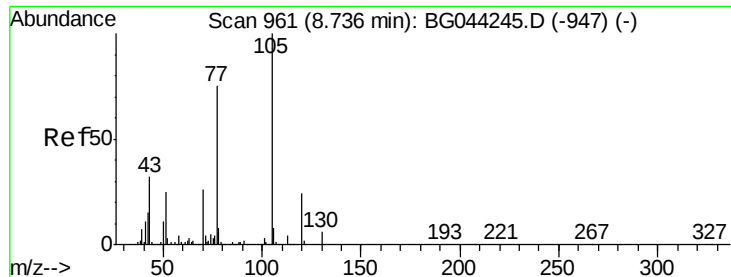
Tot Ion: 70 Resp: 31941
Ion Ratio Lower Upper
70 100
42 85.1 46.2 69.2#
101 0.0 8.4 12.6#
130 0.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BG044298.D
Acq: 5 Feb 2020 2:30

Tgt Ion:136 Resp: 347336
Ion Ratio Lower Upper
136 100
137 12.0 8.8 13.2
54 10.3 5.8 8.8#
68 8.9 4.6 6.8#

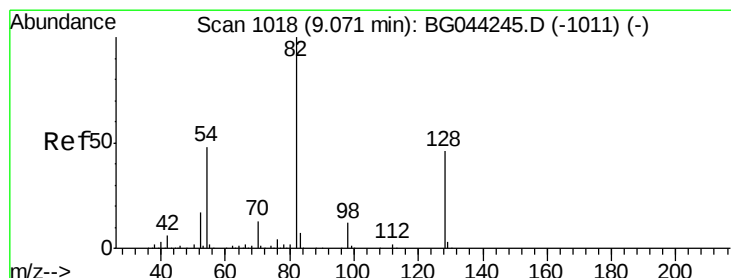
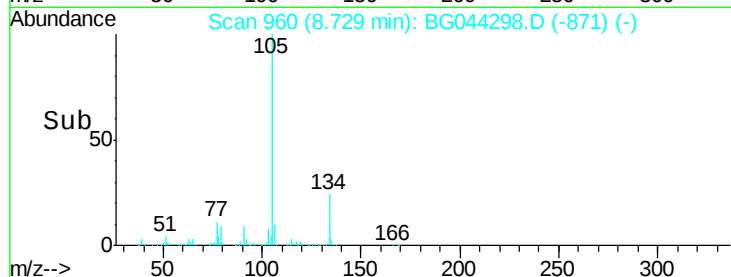
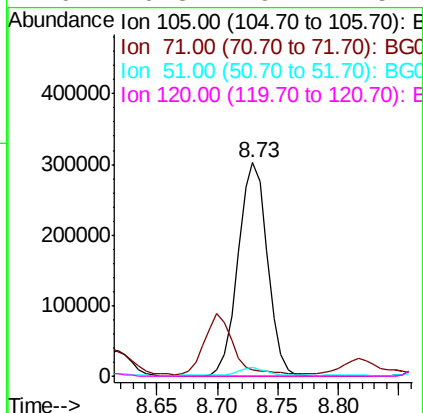
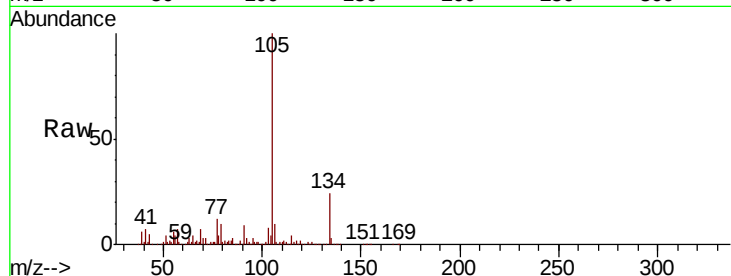




#22
Acetophenone
Concen: 60.509 ng
RT: 8.73 min Scan# 960
Delta R.T. -0.01 min
Lab File: BG044298.D
Acq: 5 Feb 2020 2:30

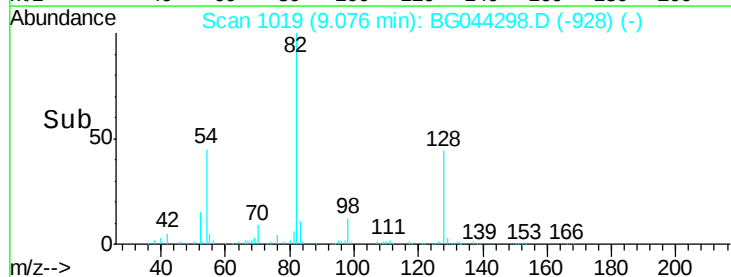
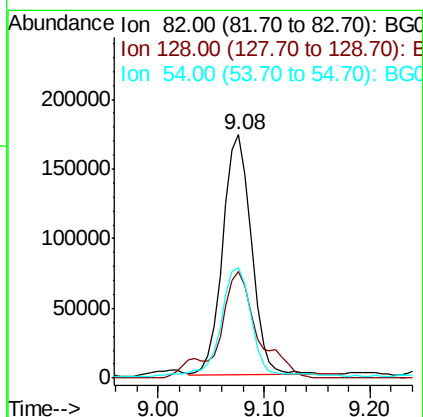
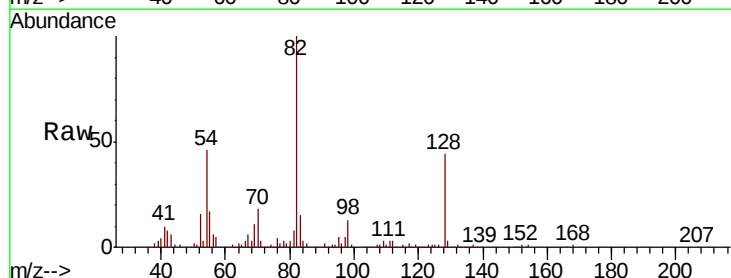
Instrument :
BNA_G
ClientSampleId :

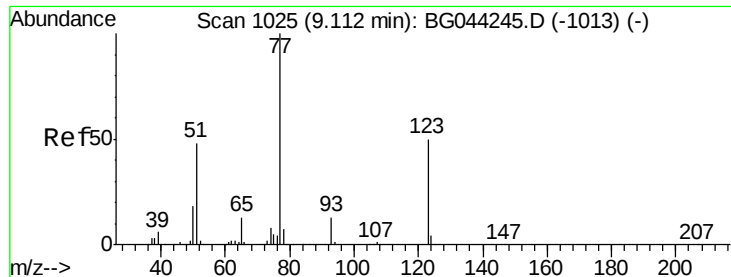
Tot Ion	Ratio	Lower	Upper
105	100		
71	3.0	3.4	5.0#
51	4.0	20.2	30.4#
120	0.3	19.1	28.7#



#23
Nitrobenzene-d5
Concen: 52.904 ng
RT: 9.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BG044298.D
Acq: 5 Feb 2020 2:30

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.5	54.7
54	45.6	38.6	58.0

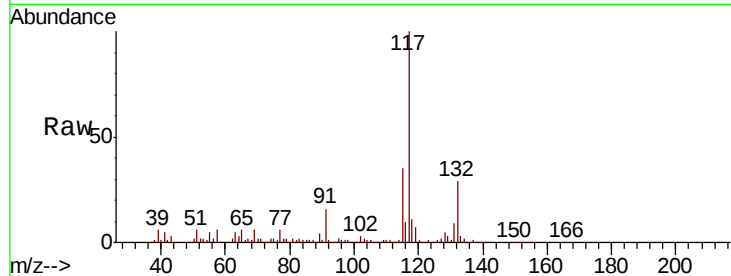




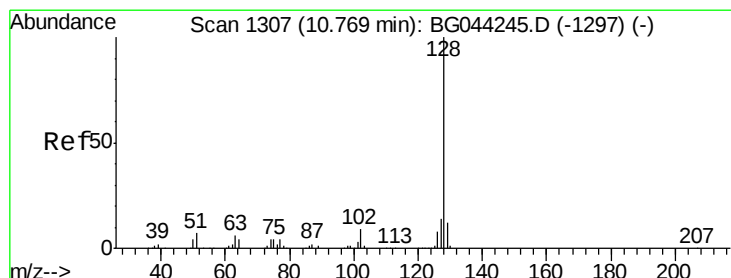
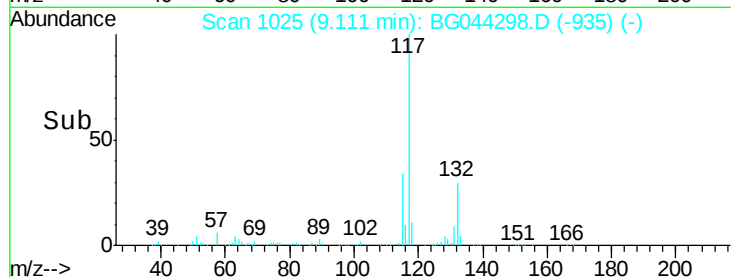
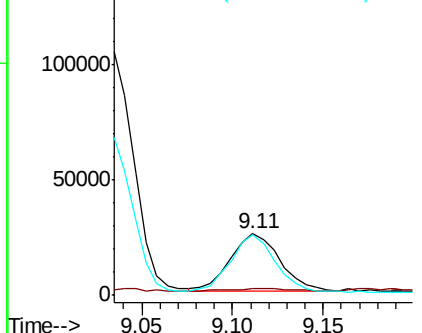
#24
 Nitrobenzene
 Concen: 7.677 ng
 RT: 9.11 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BG044298.D
 Acq: 5 Feb 2020 2:30

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
77	100		
123	10.6	39.9	59.9#
65	97.9	10.4	15.6#

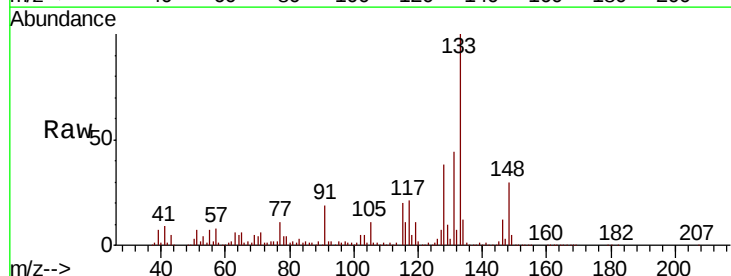


Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC

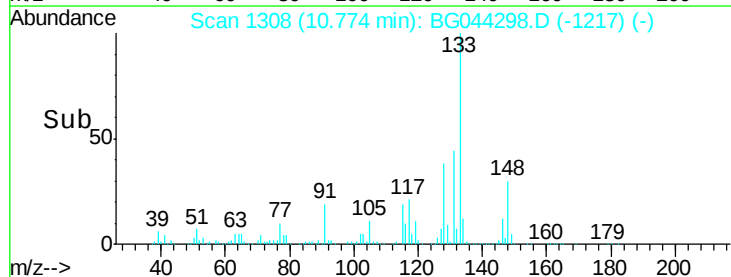
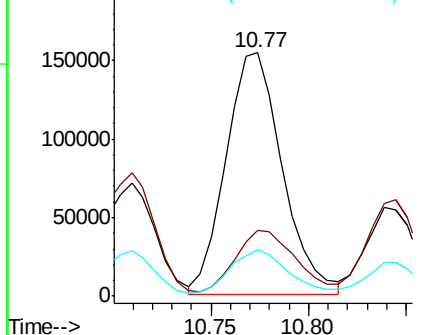


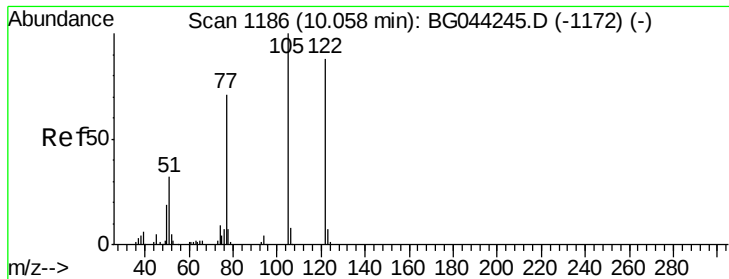
#31
 Naphthalene
 Concen: 18.322 ng
 RT: 10.77 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: BG044298.D
 Acq: 5 Feb 2020 2:30

Tgt Ion	Ratio	Lower	Upper
128	100		
129	27.0	9.3	13.9#
127	19.0	11.6	17.4#



Abundance Ion 128.00 (127.70 to 128.70): BGC
 Ion 129.00 (128.70 to 129.70): BGC
 Ion 127.00 (126.70 to 127.70): BGC

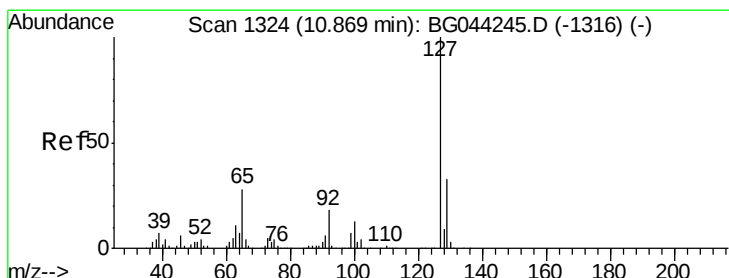
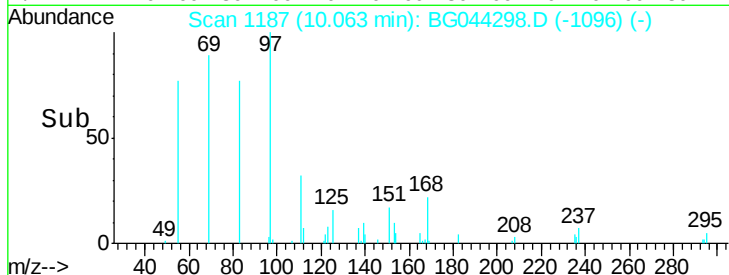
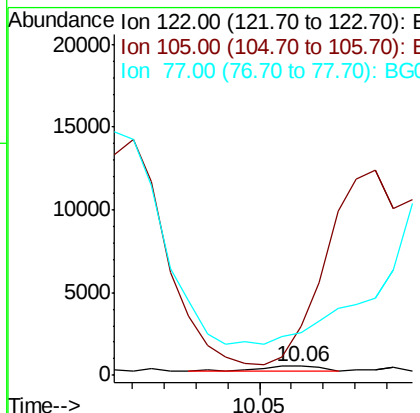
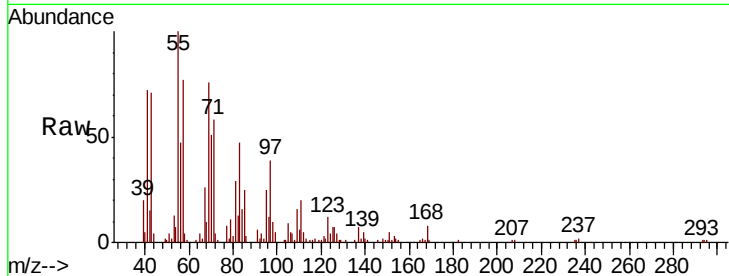




#32
Benzoic acid
Concen: 14.287 ng
RT: 10.06 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BG044298.D
Acq: 5 Feb 2020 2:30

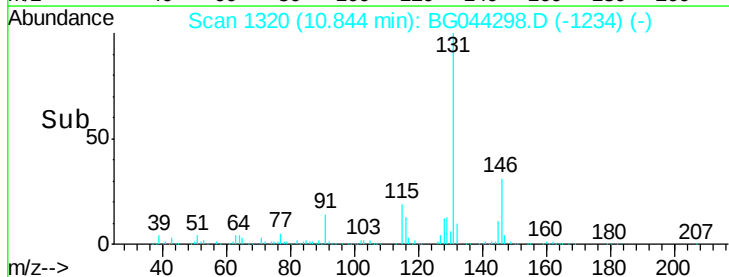
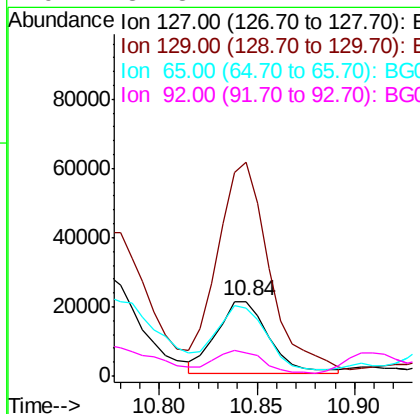
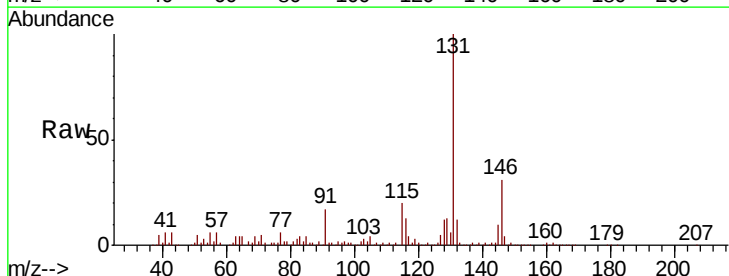
Instrument :
BNA_G
ClientSampleId :

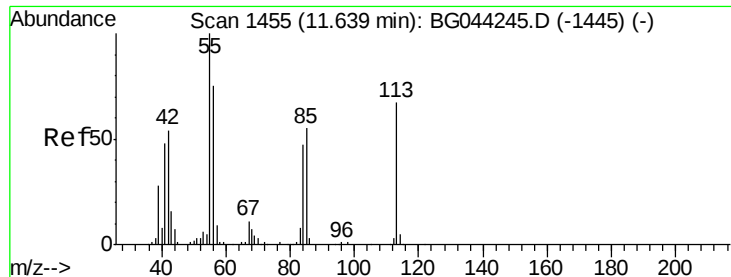
Tot Ion	Ratio	Lower	Upper
122	100		
105	530.5	93.5	133.5#
77	466.4	61.0	101.0#



#33
4-Chloroaniline
Concen: 5.104 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BG044298.D
Acq: 5 Feb 2020 2:30

Tgt Ion	Ratio	Lower	Upper
127	100		
129	286.9	26.6	40.0#
65	90.8	22.5	33.7#
92	31.8	14.1	21.1#

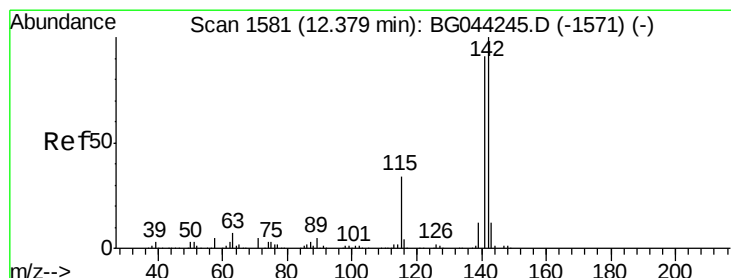
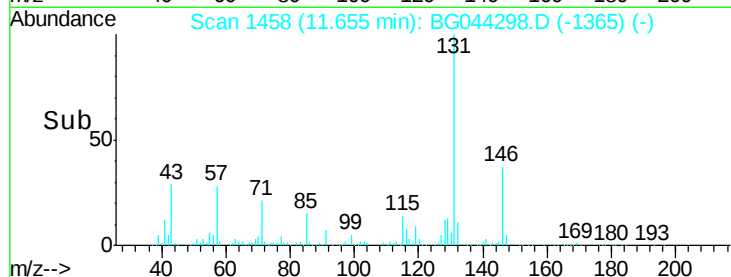
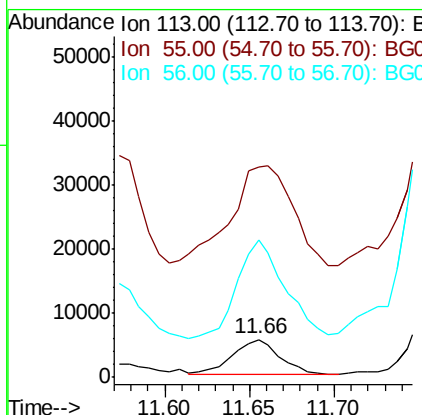
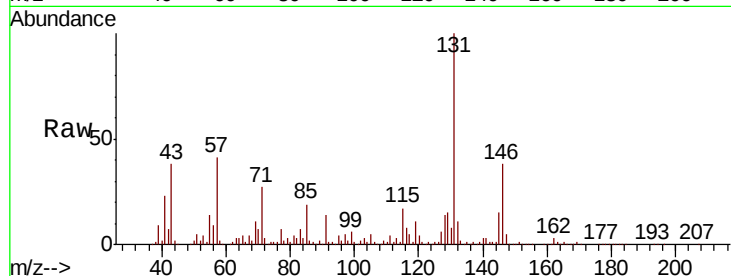




#35
 Caprolactam
 Concen: 5.210 ng
 RT: 11.66 min Scan# 1458
 Delta R.T. 0.02 min
 Lab File: BG044298.D
 Acq: 5 Feb 2020 2:30

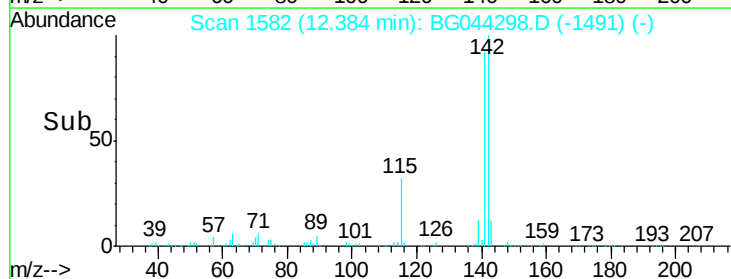
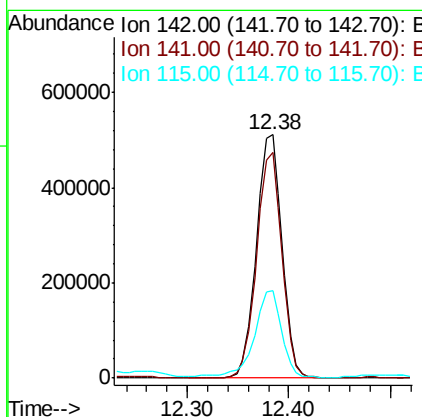
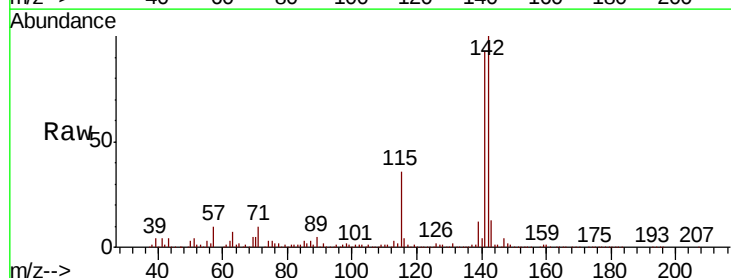
Instrument :
 BNA_G
 ClientSampled :

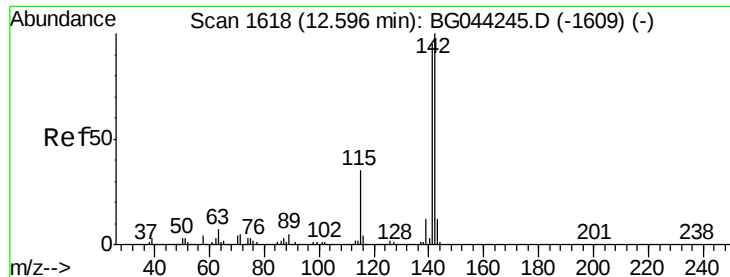
Tot Ion:113 Resp: 10153
 Ion Ratio Lower Upper
 113 100
 55 559.2 129.9 169.9#
 56 364.6 92.5 132.5#



#37
 2-Methylnaphthalene
 Concen: 71.301 ng
 RT: 12.38 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: BG044298.D
 Acq: 5 Feb 2020 2:30

Tgt Ion:142 Resp: 892112
 Ion Ratio Lower Upper
 142 100
 141 92.8 73.2 109.8
 115 36.1 27.1 40.7

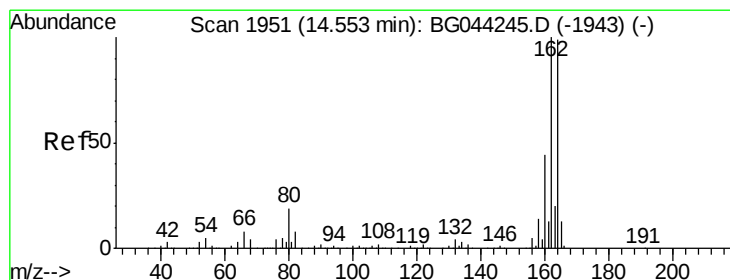
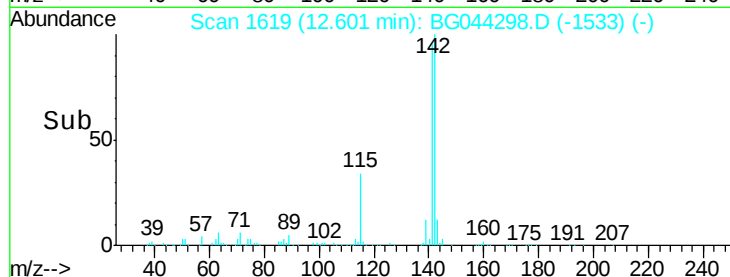
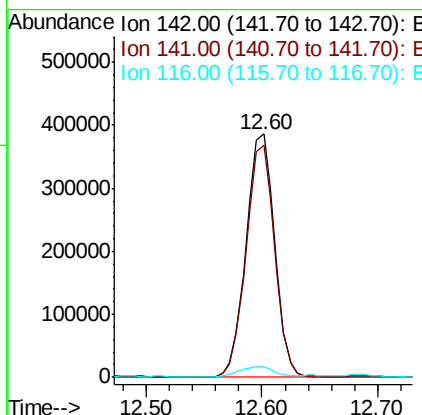
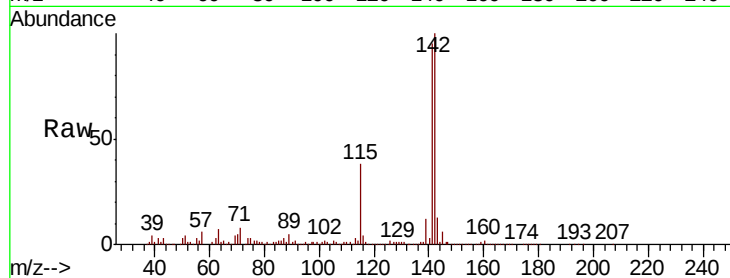




#38
1-Methylnaphthalene
Concen: 56.301 ng
RT: 12.60 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BG044298.D
Acq: 5 Feb 2020 2:30

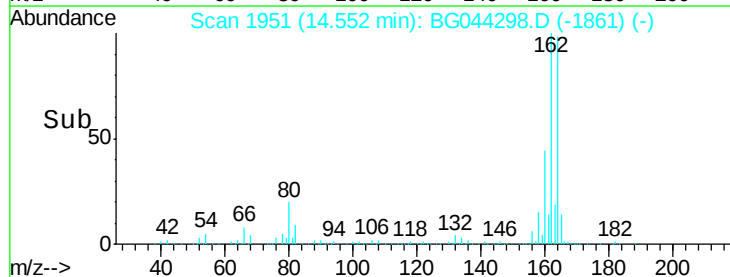
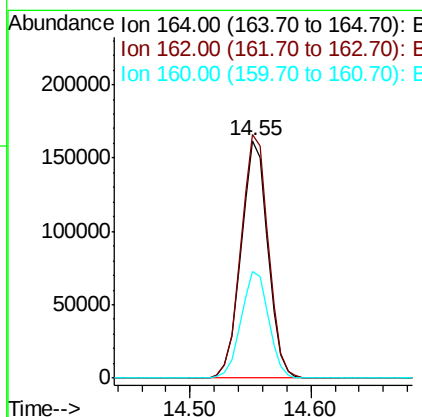
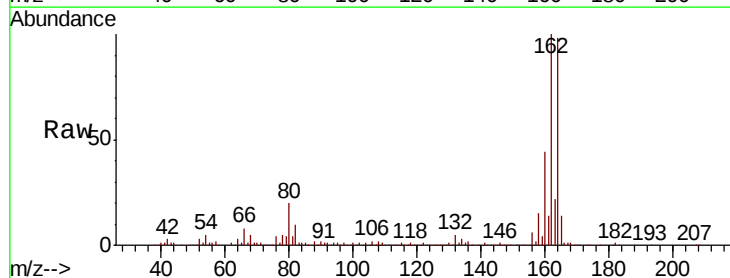
Instrument :
BNA_G
ClientSampled :

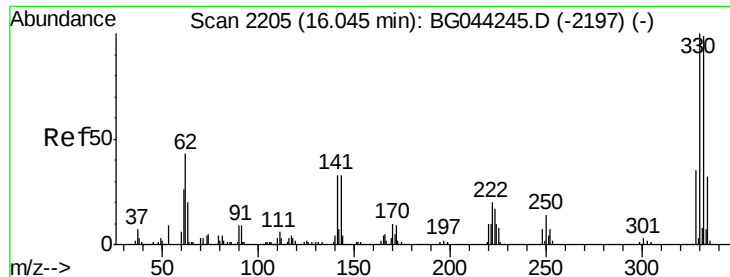
Tot Ion	Ratio	Lower	Upper
142	100		
141	95.3	75.8	113.6
116	4.2	3.1	4.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BG044298.D
Acq: 5 Feb 2020 2:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.7	121.1
160	44.7	35.3	52.9





#42

2,4,6-Tribromophenol

Concen: 72.030 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG044298.D

Acq: 5 Feb 2020 2:30

Instrument :

BNA_G

ClientSampleId :

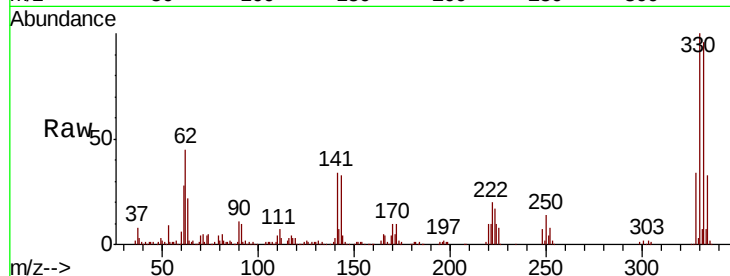
Tot Ion:330 Resp: 212497

Ion Ratio Lower Upper

330 100

332 95.7 77.2 115.8

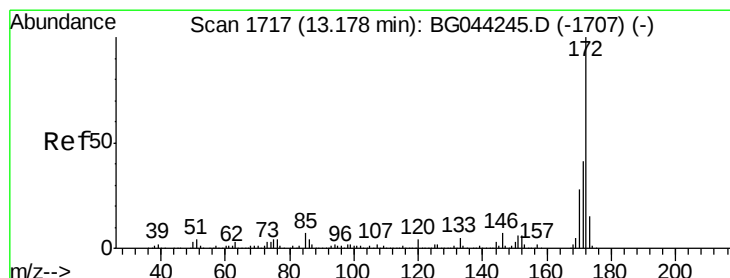
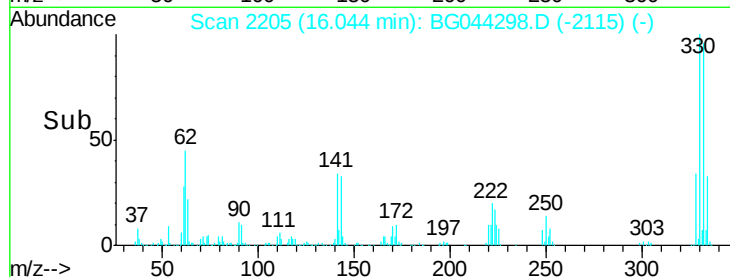
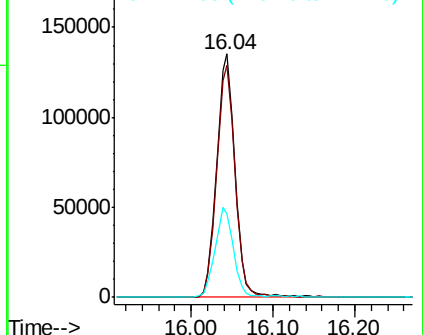
141 36.0 28.3 42.5



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: 46.032 ng

RT: 13.18 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BG044298.D

Acq: 5 Feb 2020 2:30

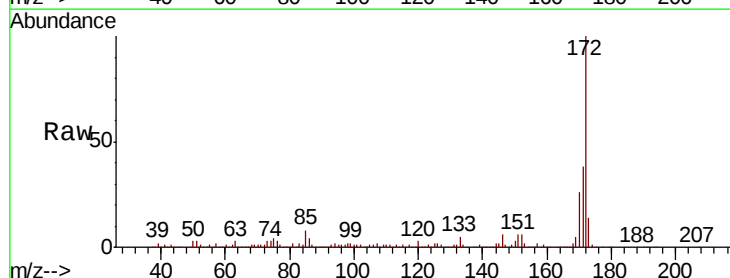
Tgt Ion:172 Resp: 690803

Ion Ratio Lower Upper

172 100

171 37.5 32.9 49.3

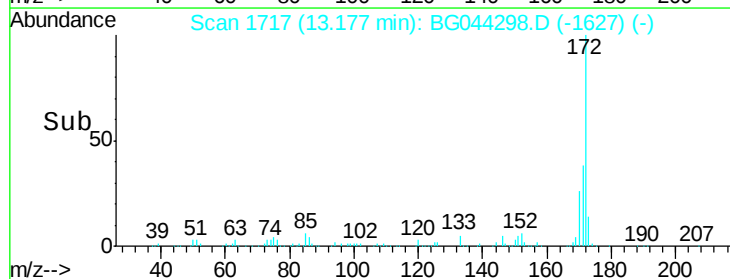
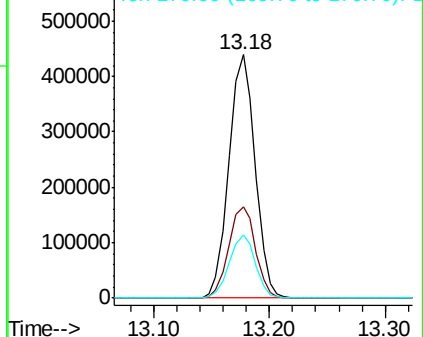
170 25.9 22.0 33.0

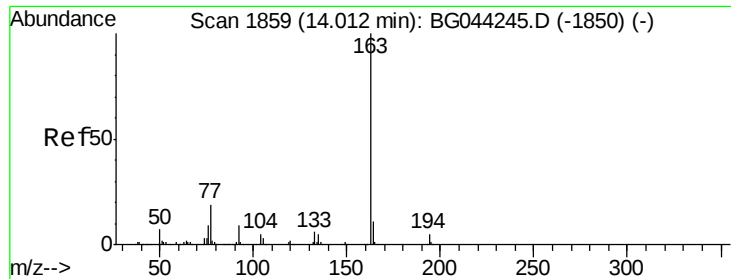


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

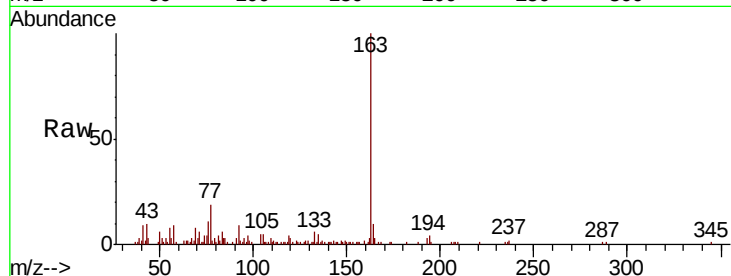




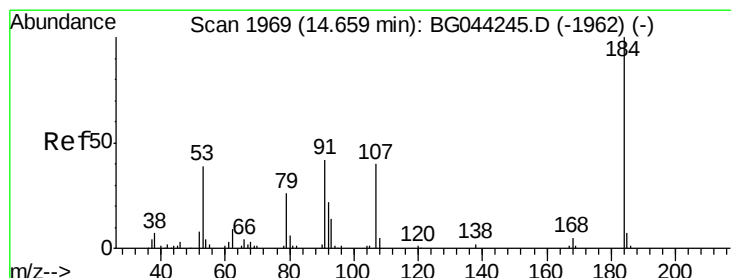
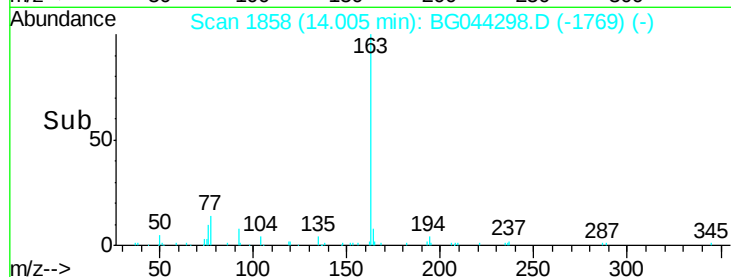
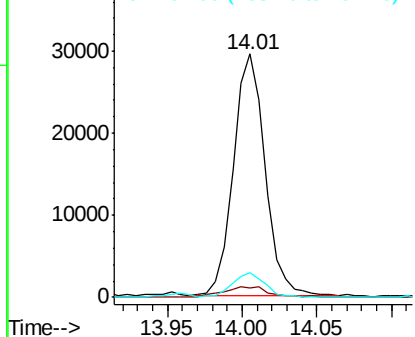
#50
Dimethylphthalate
Concen: 2.401 ng
RT: 14.01 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BG044298.D
Acq: 5 Feb 2020 2:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.6	5.4
164	9.9	8.7	13.1

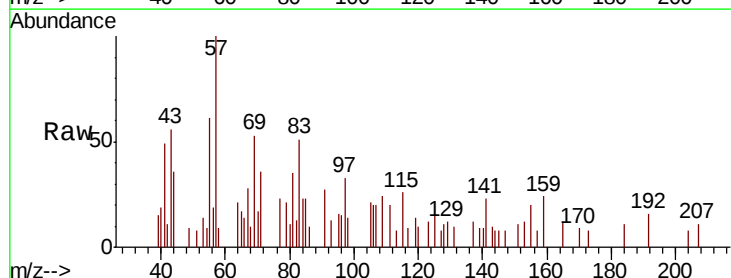


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

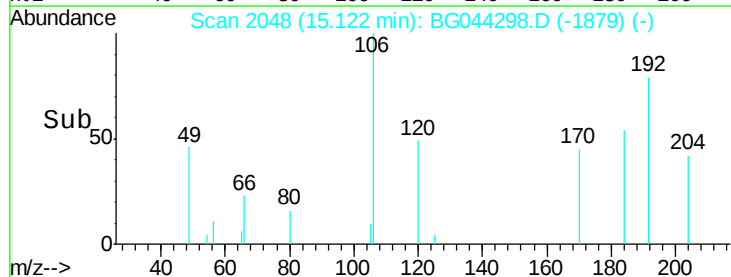
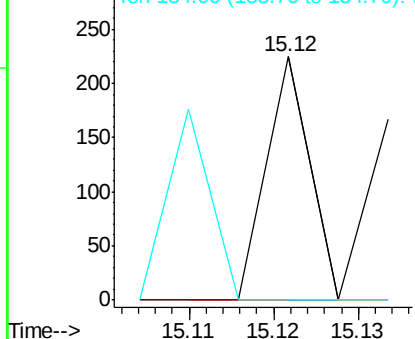


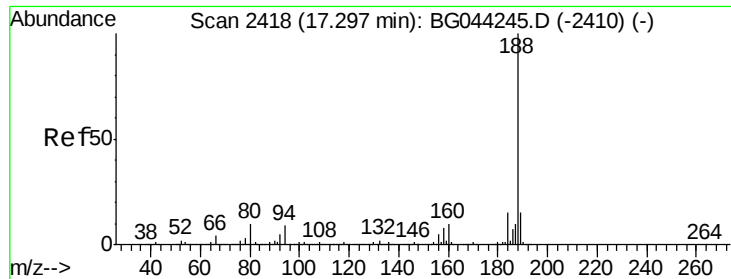
#54
2,4-Dinitrophenol
Concen: 7.655 ng
RT: 15.12 min Scan# 2048
Delta R.T. 0.46 min
Lab File: BG044298.D
Acq: 5 Feb 2020 2:30

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	44.1	66.1#
154	0.0	45.4	68.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BG044298.D

Acq: 5 Feb 2020 2:30

Instrument :

BNA_G

ClientSampled :

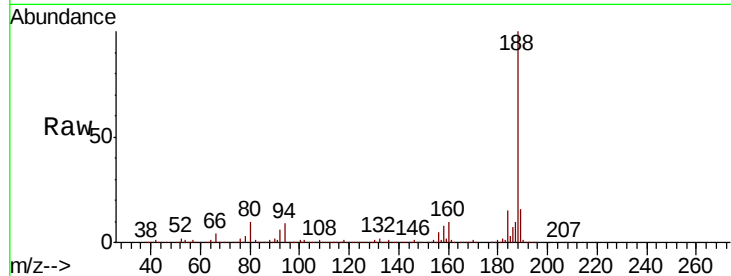
Tot Ion:188 Resp: 559036

Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.2

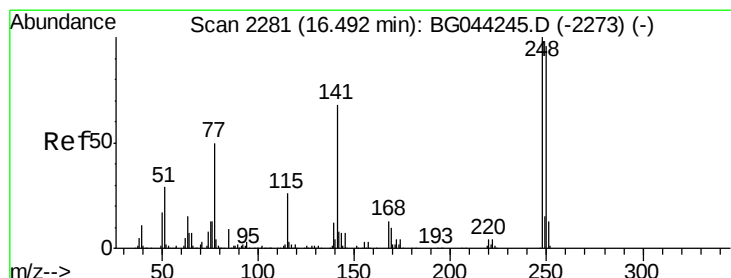
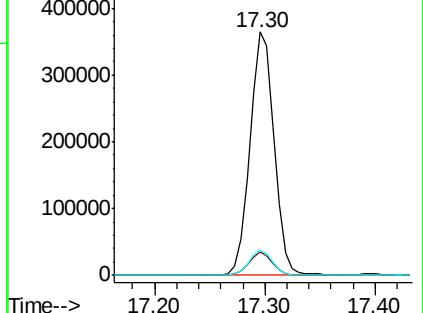
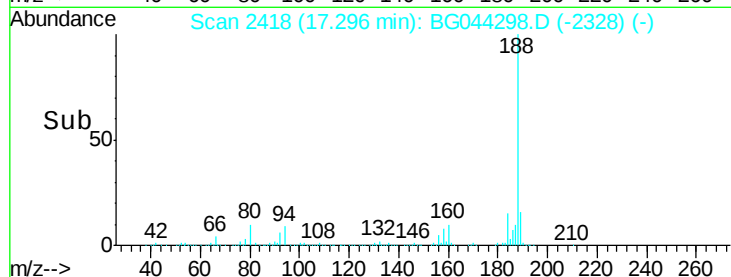
80 10.2 7.7 11.5



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



#67

4-Bromophenyl-phenylether

Concen: 2.386 ng

RT: 16.04 min Scan# 2204

Delta R.T. -0.45 min

Lab File: BG044298.D

Acq: 5 Feb 2020 2:30

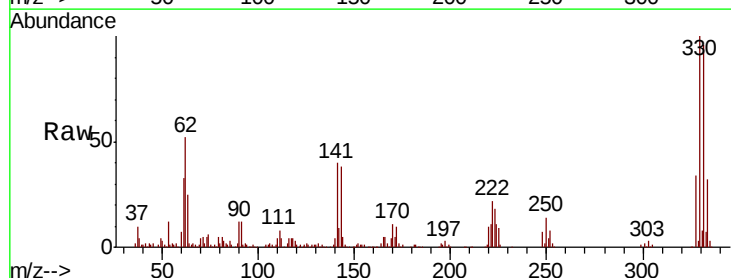
Tgt Ion:248 Resp: 14535

Ion Ratio Lower Upper

248 100

250 193.3 76.6 114.8#

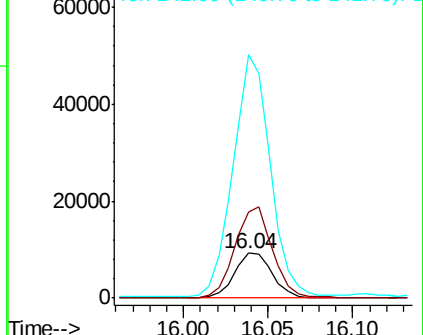
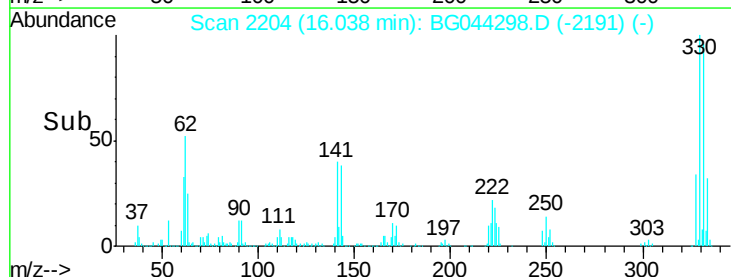
141 542.7 54.7 82.1#

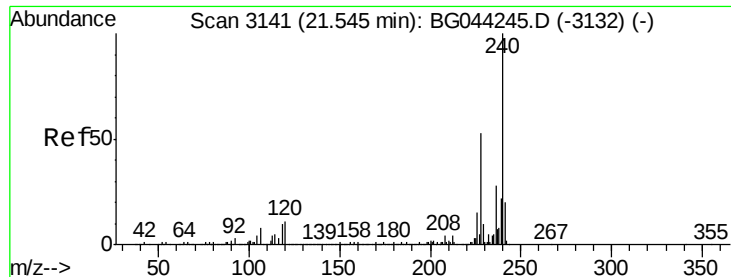


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.54 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG044298.D

Acq: 5 Feb 2020 2:30

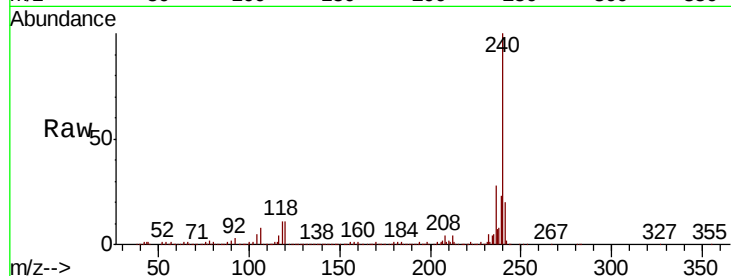
Instrument :

BNA_G

ClientSampleId :

Tot Ion:240 Resp: 511863

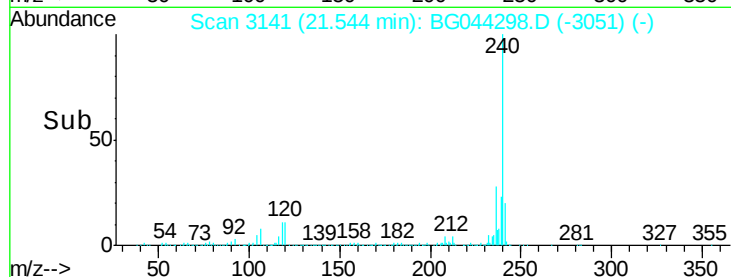
Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.4	12.6
236	27.6	22.1	33.1



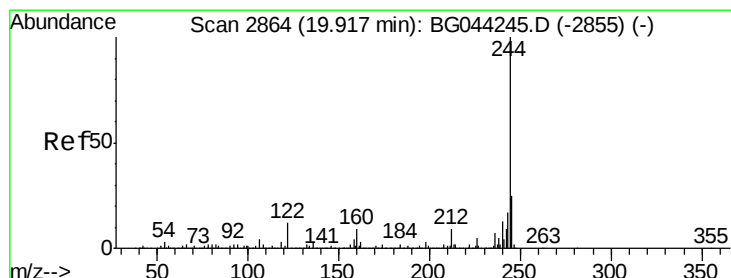
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#79

Terphenyl-d14

Concen: 46.526 ng

RT: 19.91 min Scan# 2863

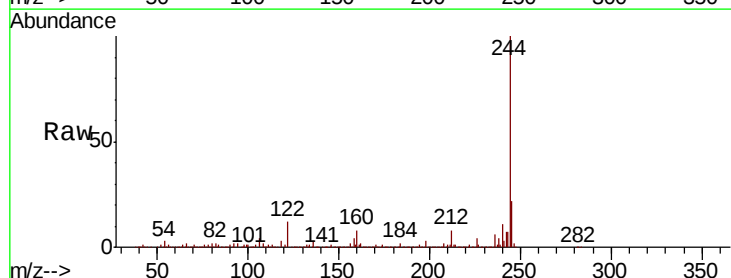
Delta R.T. -0.01 min

Lab File: BG044298.D

Acq: 5 Feb 2020 2:30

Tgt Ion:244 Resp: 1157822

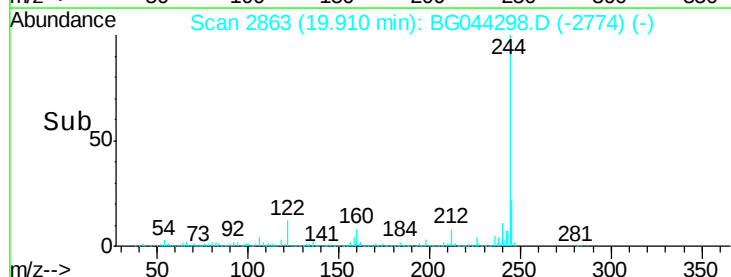
Ion	Ratio	Lower	Upper
244	100		
212	8.0	7.4	11.2
122	11.7	9.8	14.6



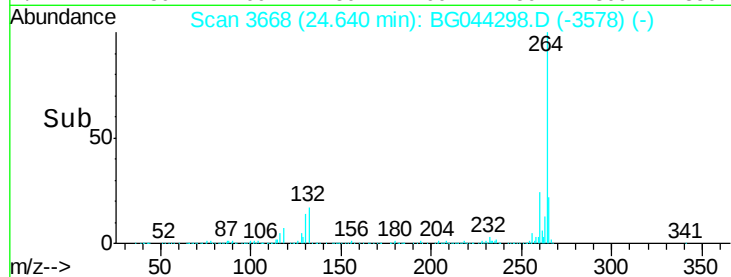
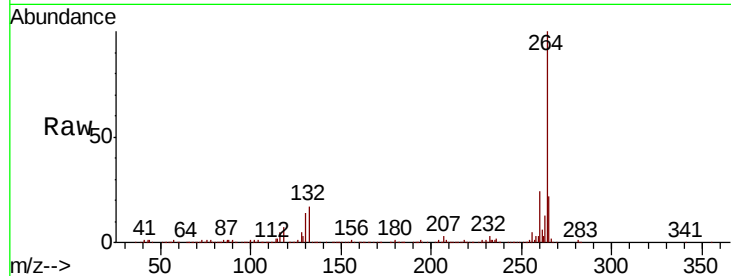
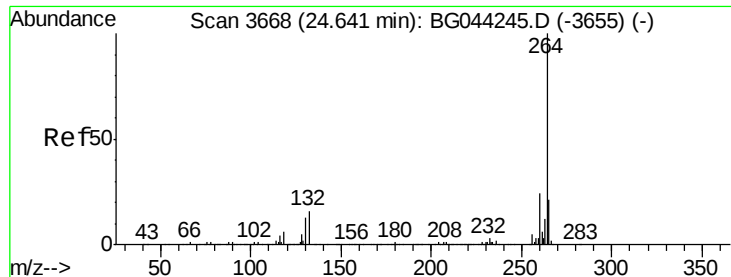
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.64 min Scan# 3668
Delta R.T. -0.00 min
Lab File: BG044298.D
Acq: 5 Feb 2020 2:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	21.7	16.7	25.1

