

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
 Data File : BG044491.D
 Acq On : 19 Feb 2020 15:28
 Operator : CG/JU
 Sample : PB126845BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 20 07:14:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

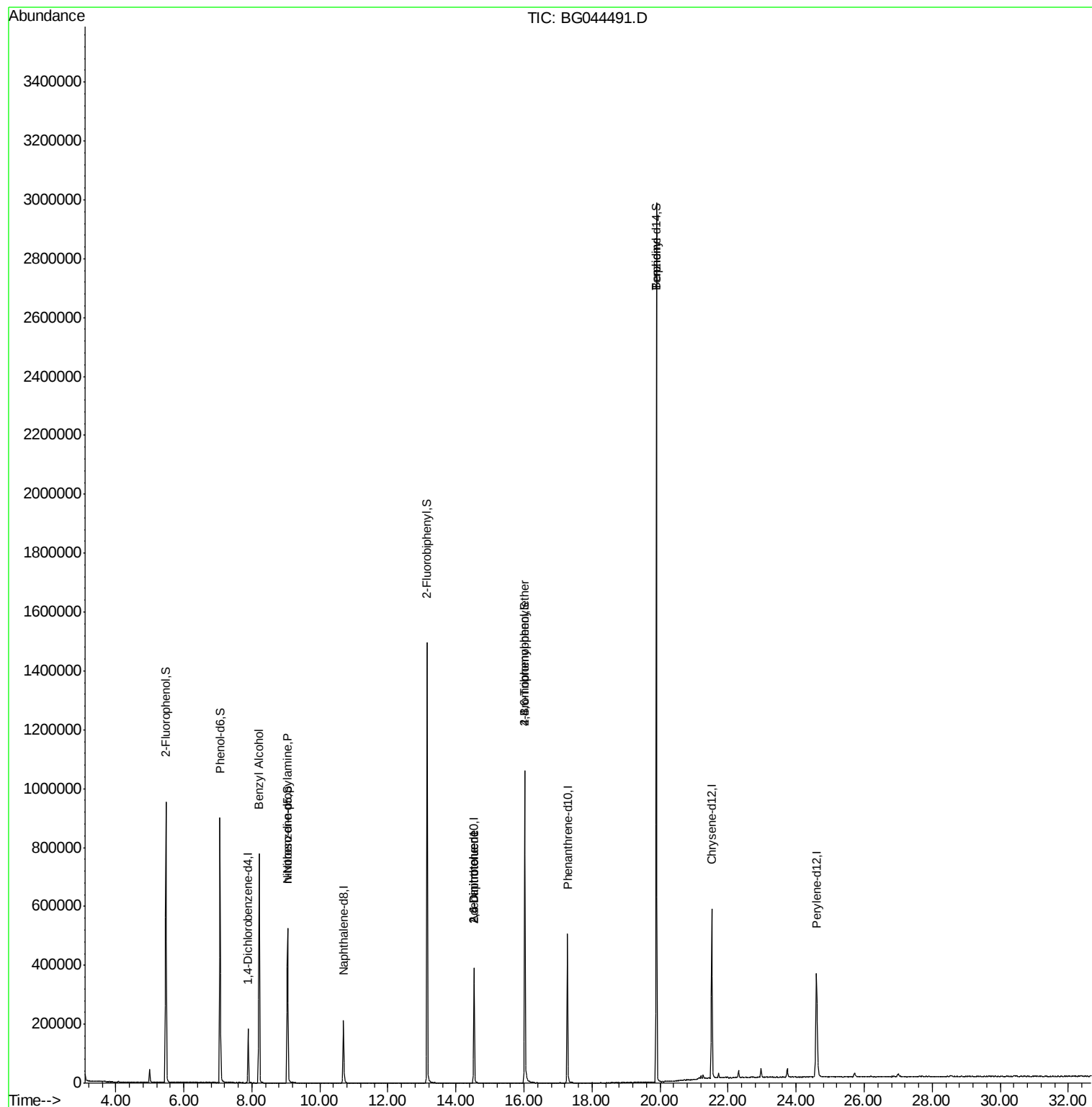
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	55903	20.00	ng	-0.01
21) Naphthalene-d8	10.69	136	224619	20.00	ng	0.00
39) Acenaphthene-d10	14.53	164	145598	20.00	ng	-0.01
64) Phenanthrene-d10	17.27	188	339130	20.00	ng	-0.01
76) Chrysene-d12	21.52	240	354448	20.00	ng	-0.02
87) Perylene-d12	24.60	264	377622	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	470346	148.49	ng	0.00
7) Phenol-d6	7.06	99	603621	141.91	ng	-0.01
23) Nitrobenzene-d5	9.05	82	361405	90.84	ng	-0.01
42) 2,4,6-Tribromophenol	16.02	330	242836	142.07	ng	0.00
45) 2-Fluorobiphenyl	13.15	172	861058	99.03	ng	-0.01
79) Terphenyl-d14	19.90	244	1514282	87.87	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.21	79	6056	2.011	ng	# 44
19) n-Nitroso-di-n-propylamine	9.05	70	45891	16.188	ng	# 76
51) 2,6-Dinitrotoluene	14.53	165	19249	8.249	ng	# 29
57) 2,4-Dinitrotoluene	14.53	165	19249	5.885	ng	# 27
67) 4-Bromophenyl-phenylether	16.02	248	15960	4.320	ng	# 1
77) Benzidine	19.90	184	23483	2.389	ng	# 91

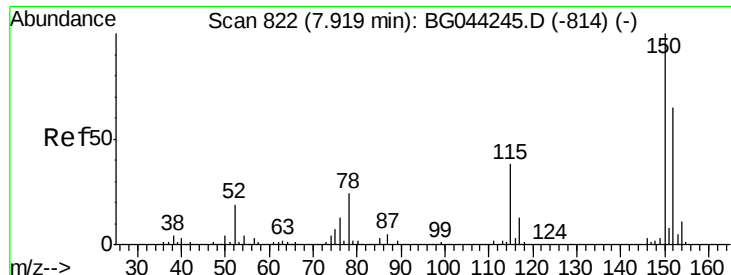
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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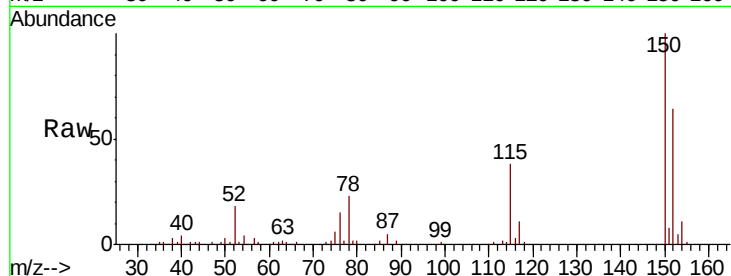


#1

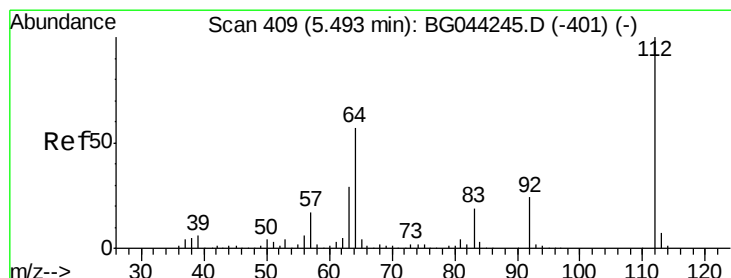
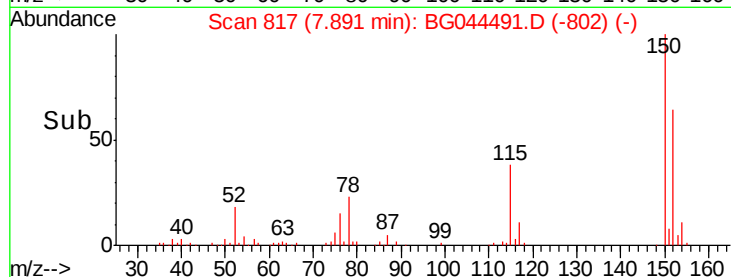
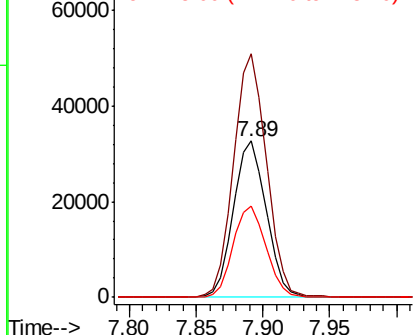
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BG044491.D
 Acq: 19 Feb 2020 15:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 55903
 Ion Ratio Lower Upper
 152 100
 150 155.7 122.6 183.8
 115 58.8 46.0 69.0



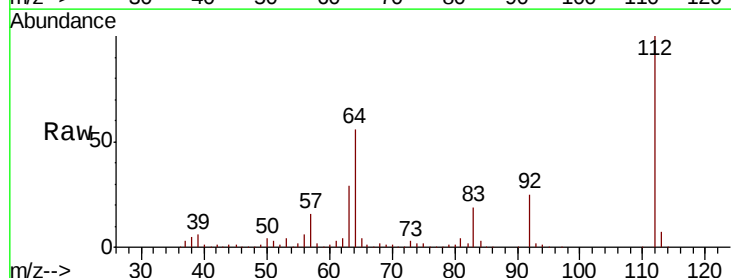
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



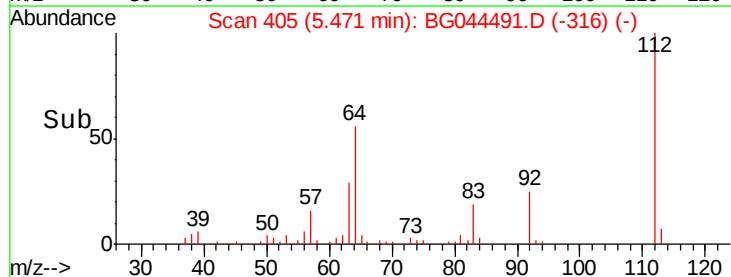
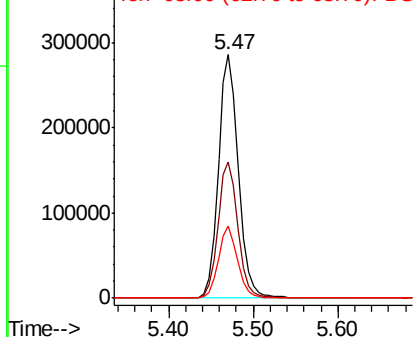
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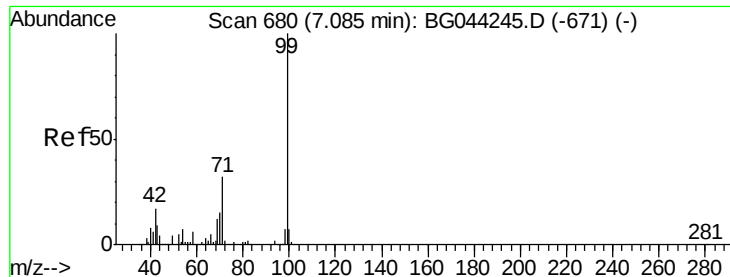
2-Fluorophenol
 Concen: 148.487 ng
 RT: 5.47 min Scan# 405
 Delta R.T. -0.01 min
 Lab File: BG044491.D
 Acq: 19 Feb 2020 15:28

Tgt Ion:112 Resp: 470346
 Ion Ratio Lower Upper
 112 100
 64 56.0 45.4 68.2
 63 29.4 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: 141.908 ng

RT: 7.06 min Scan# 676

Delta R.T. -0.01 min

Lab File: BG044491.D

Acq: 19 Feb 2020 15:28

Instrument :

BNA_G

ClientSampleId :

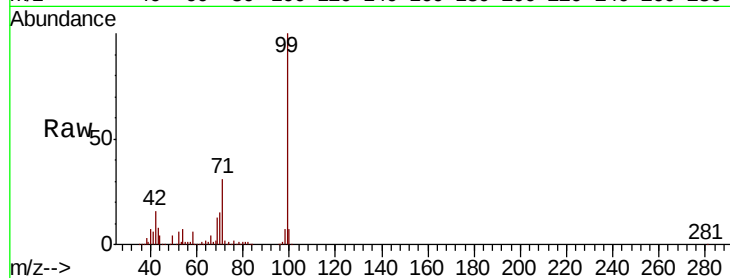
Tot Ion: 99 Resp: 603621

Ion Ratio Lower Upper

99 100

42 16.4 13.8 20.6

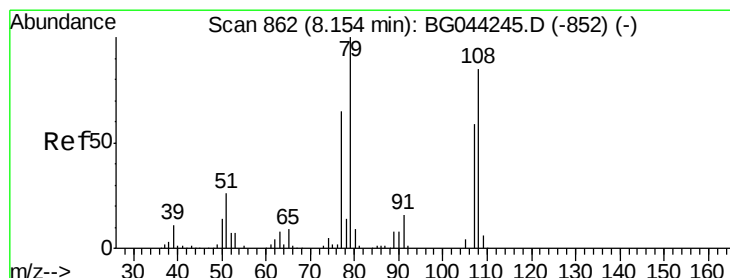
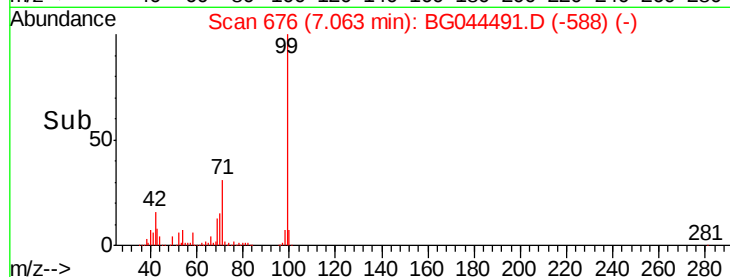
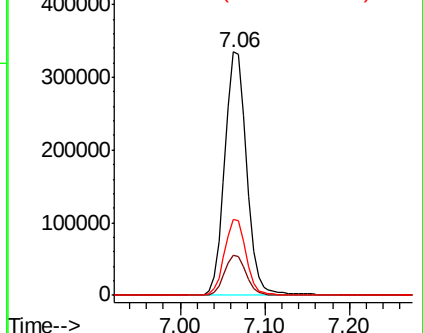
71 31.2 25.5 38.3



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



#15

Benzyl Alcohol

Concen: 2.011 ng

RT: 8.21 min Scan# 872

Delta R.T. 0.07 min

Lab File: BG044491.D

Acq: 19 Feb 2020 15:28

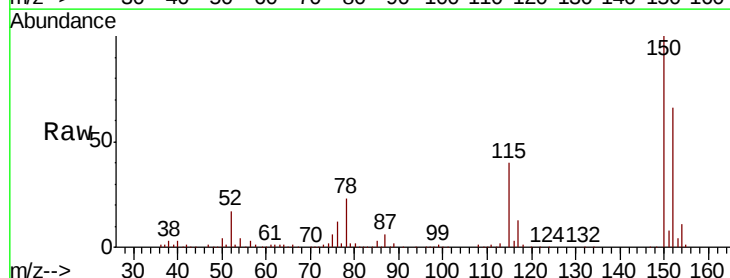
Tgt Ion: 79 Resp: 6056

Ion Ratio Lower Upper

79 100

108 38.3 68.3 102.5#

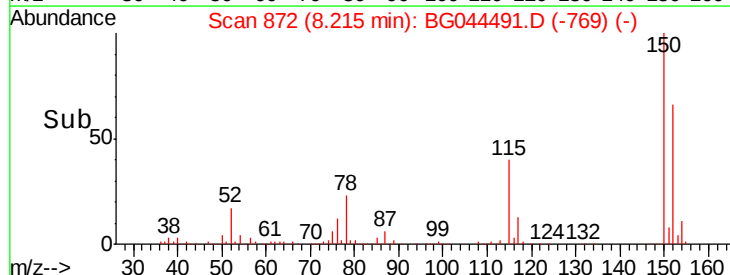
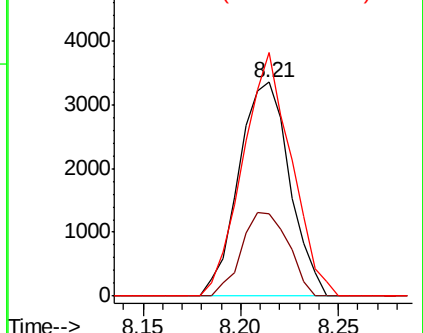
77 113.9 51.8 77.8#

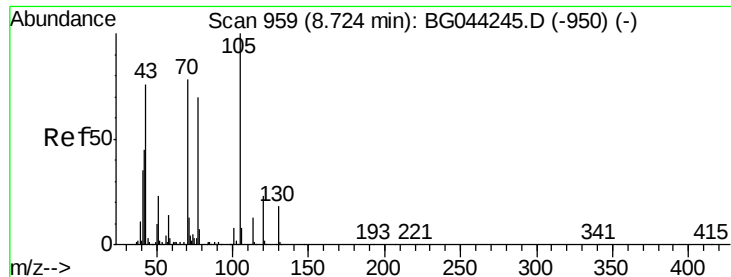


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

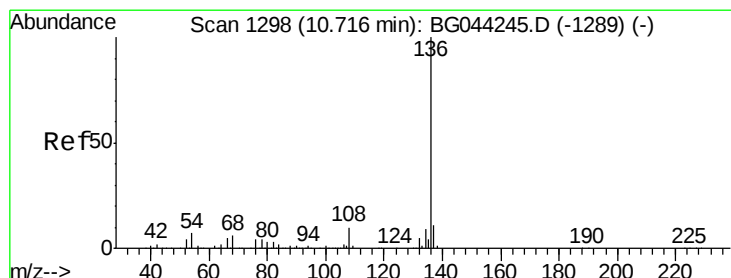
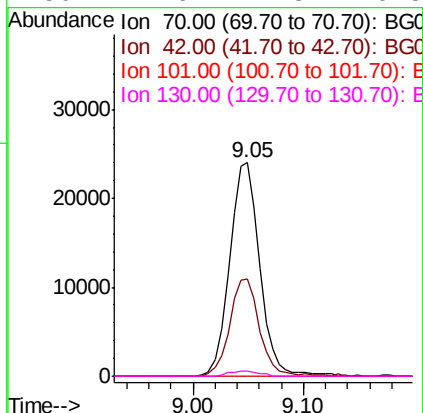
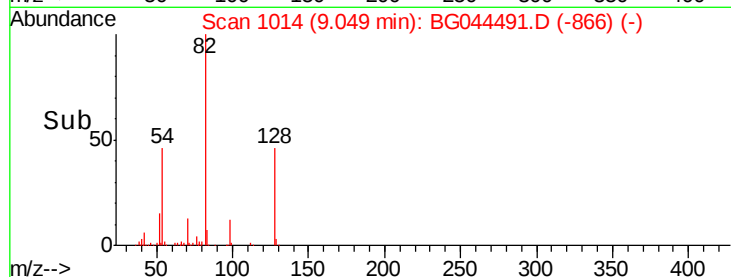
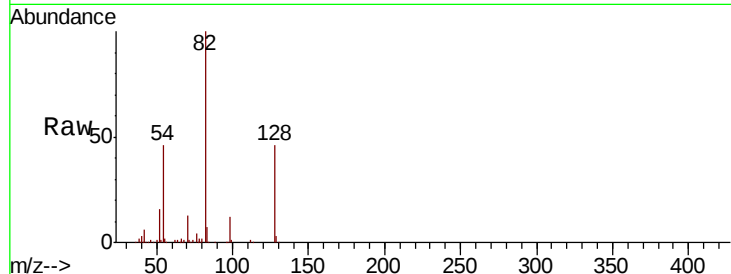




#19
n-Nitroso-di-n-propylamine
Concen: 16.188 ng
RT: 9.05 min Scan# 1014
Delta R.T. 0.34 min
Lab File: BG044491.D
Acq: 19 Feb 2020 15:28

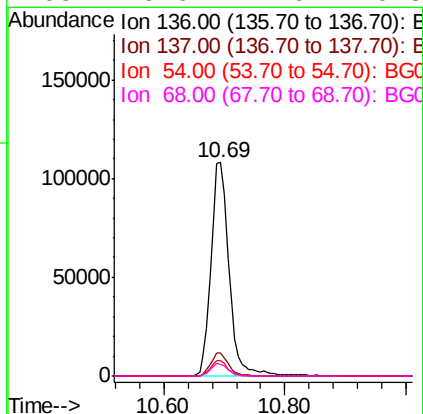
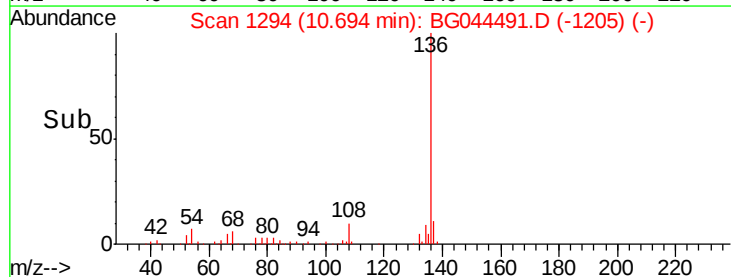
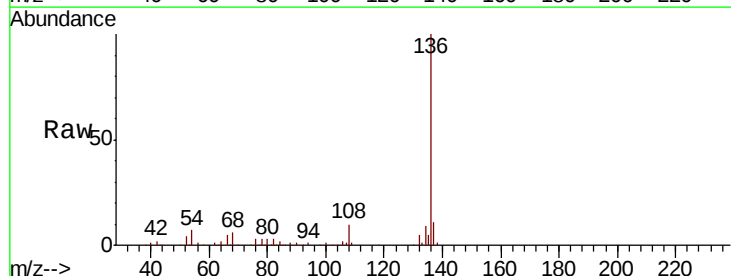
Instrument :
BNA_G
ClientSampleId :

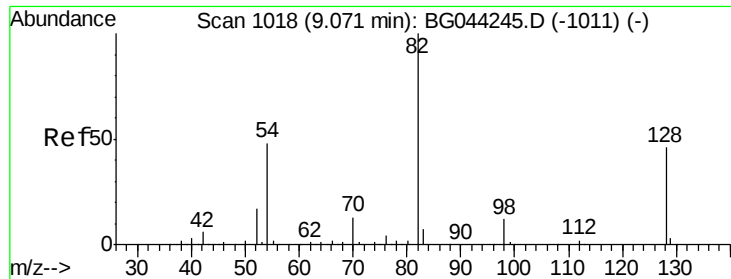
Tot Ion	Ratio	Lower	Upper
70	100		
42	45.3	46.2	69.2#
101	0.0	8.4	12.6#
130	2.6	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.69 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BG044491.D
Acq: 19 Feb 2020 15:28

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.4	5.8	8.8
68	5.6	4.6	6.8

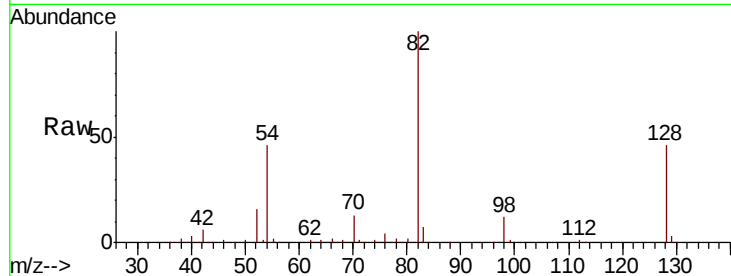




#23
Nitrobenzene-d5
Concen: 90.836 ng
RT: 9.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG044491.D
Acq: 19 Feb 2020 15:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	361405
Ion Ratio	100	Lower	Upper
128	45.9	36.5	54.7
54	46.1	38.6	58.0

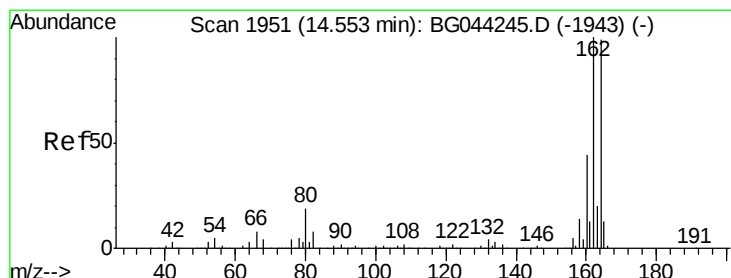
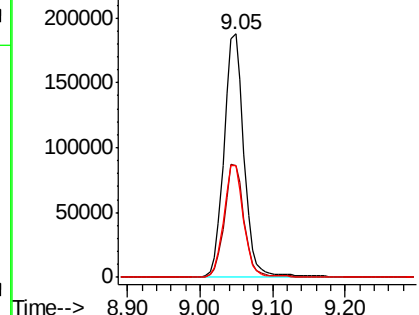
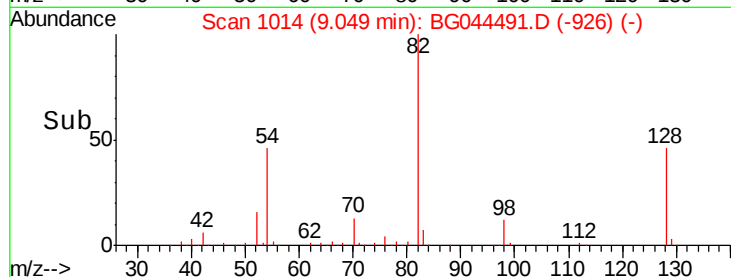


Abundance

Ion 82.00 (81.70 to 82.70): BGC

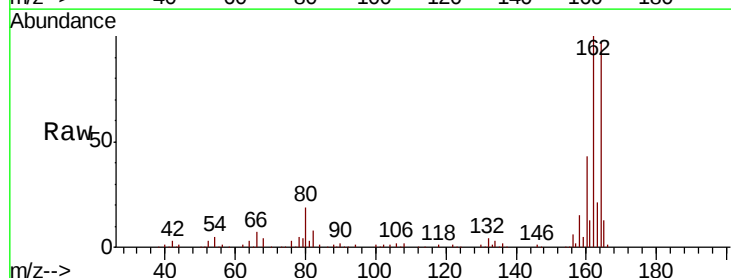
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BG044491.D
Acq: 19 Feb 2020 15:28

Tgt Ion	164	Resp	145598
Ion Ratio	100	Lower	Upper
162	103.5	80.7	121.1
160	44.8	35.3	52.9

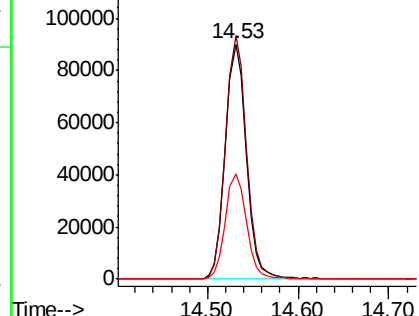
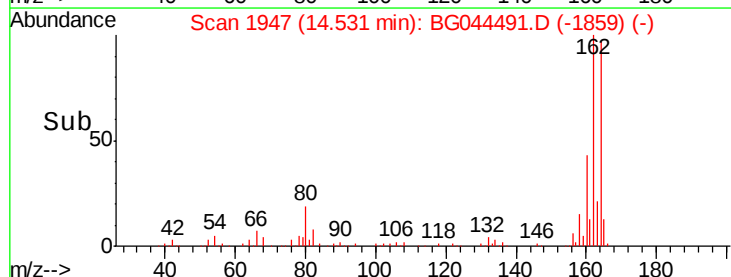


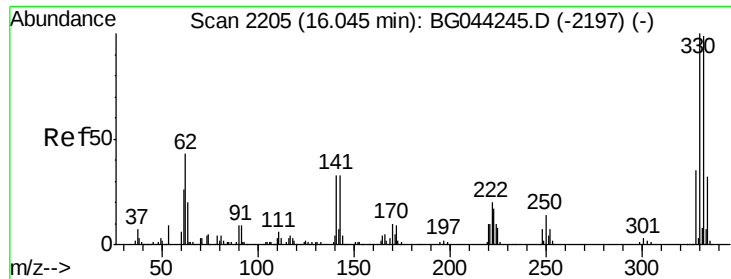
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 142.073 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG044491.D

Acq: 19 Feb 2020 15:28

Instrument :

BNA_G

ClientSampleId :

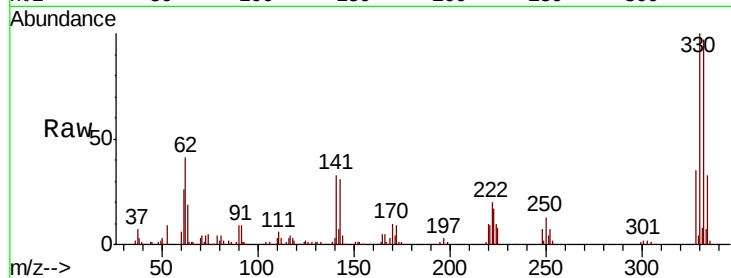
Tot Ion:330 Resp: 242836

Ion Ratio Lower Upper

330 100

332 95.5 77.2 115.8

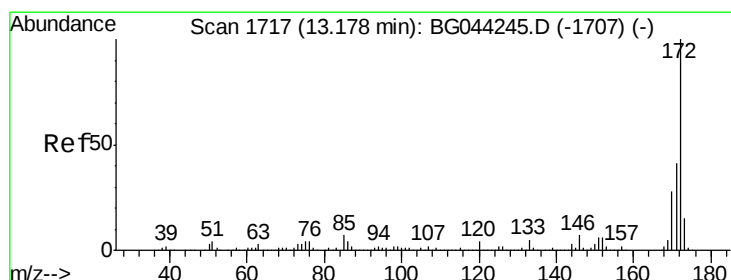
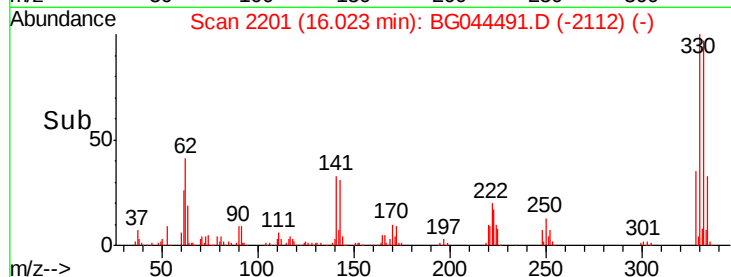
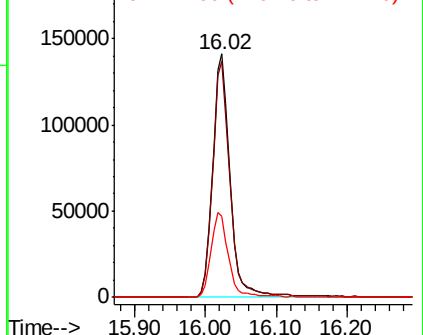
141 34.7 28.3 42.5



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: 99.032 ng

RT: 13.15 min Scan# 1712

Delta R.T. -0.01 min

Lab File: BG044491.D

Acq: 19 Feb 2020 15:28

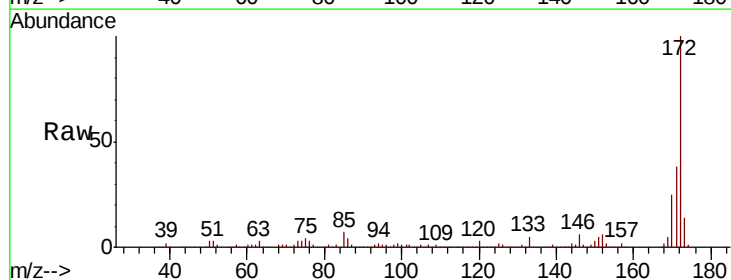
Tgt Ion:172 Resp: 861058

Ion Ratio Lower Upper

172 100

171 38.0 32.9 49.3

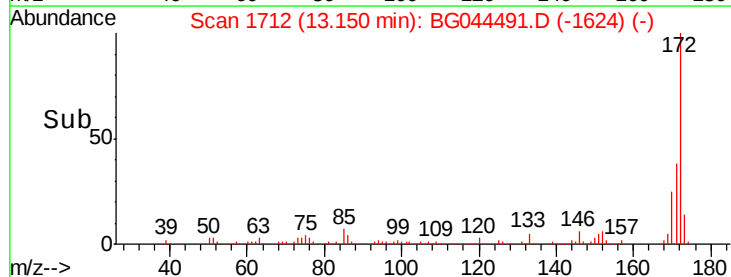
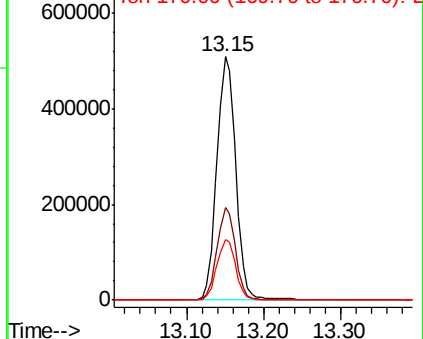
170 24.9 22.0 33.0

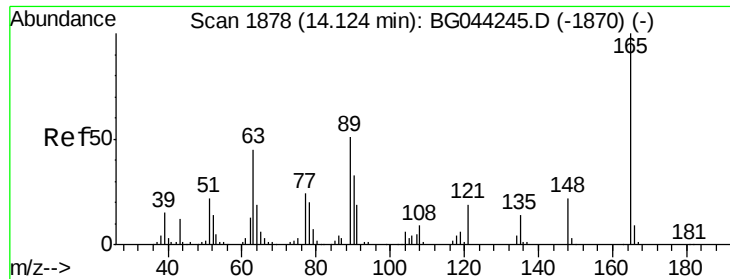


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

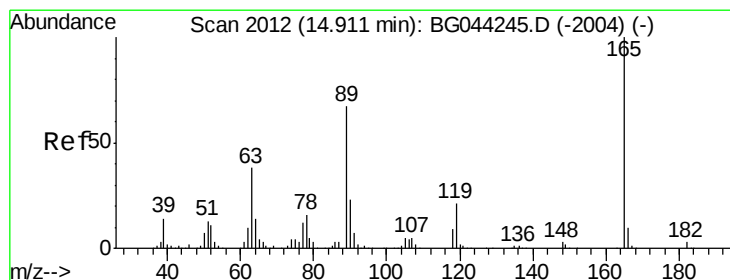
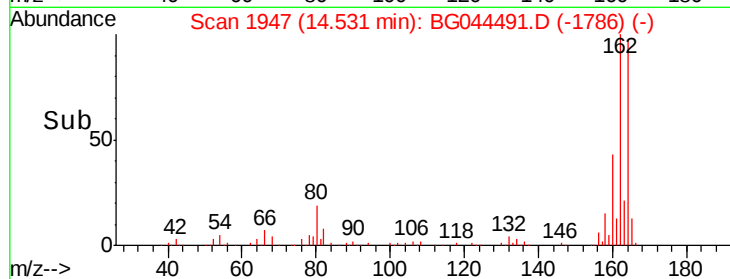
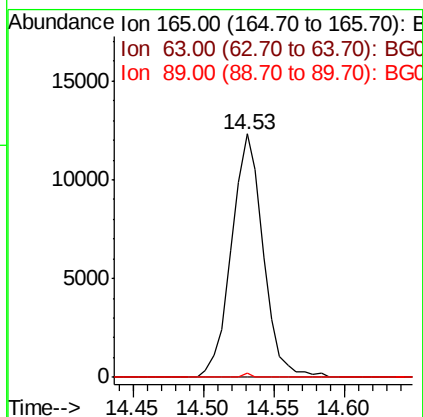
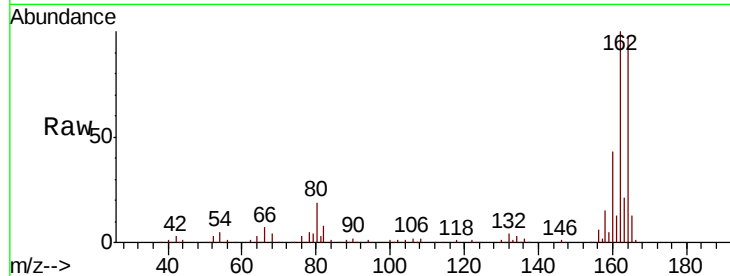




#51
 2,6-Dinitrotoluene
 Concen: 8.249 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG044491.D
 Acq: 19 Feb 2020 15:28

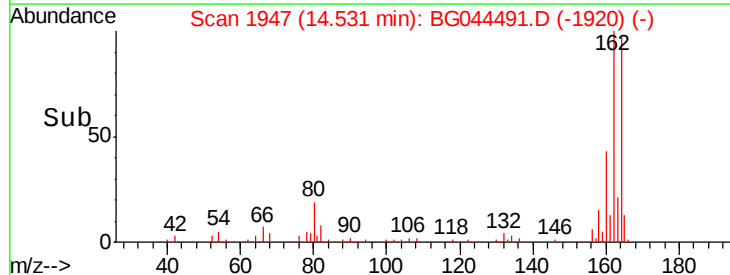
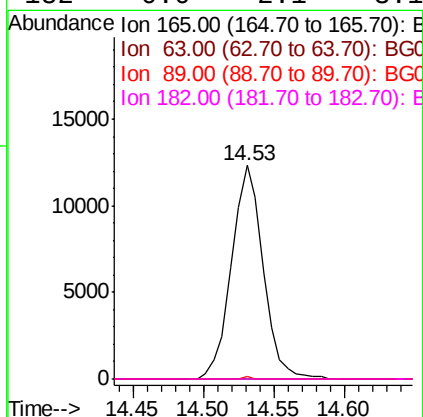
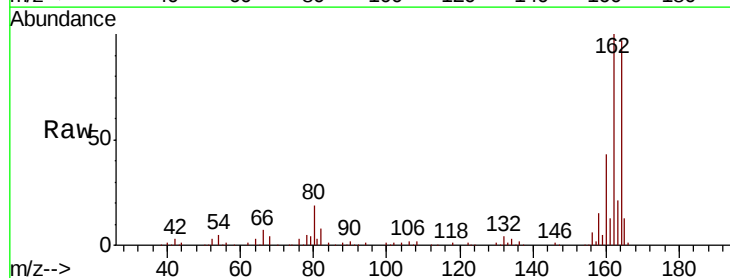
Instrument :
 BNA_G
 ClientSampleId :

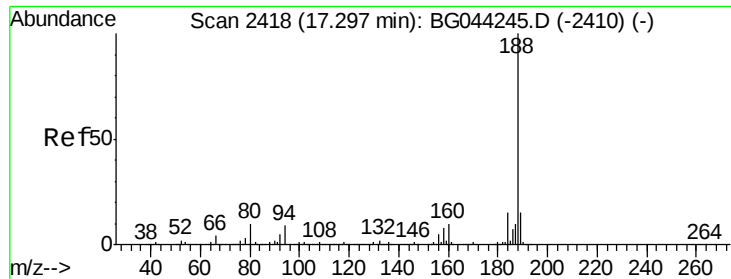
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.7	58.1#
89	1.5	40.4	60.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.885 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG044491.D
 Acq: 19 Feb 2020 15:28

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

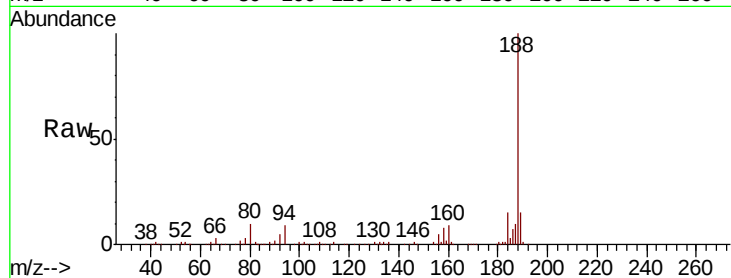




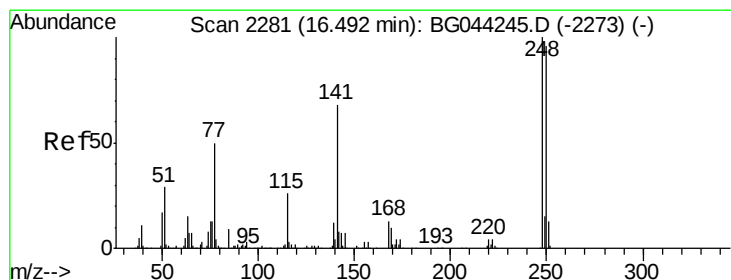
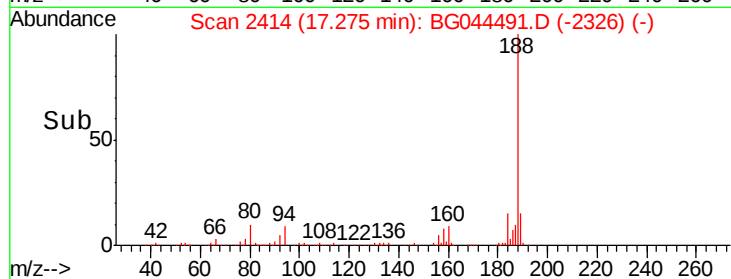
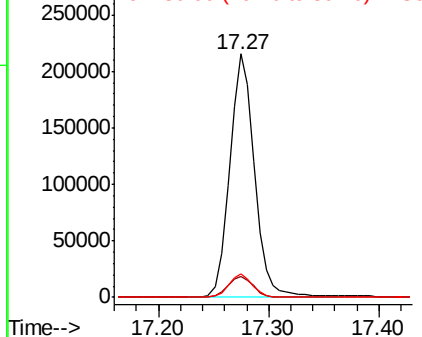
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.27 min Scan# 2414
 Delta R.T. -0.01 min
 Lab File: BG044491.D
 Acq: 19 Feb 2020 15:28

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:188 Resp: 339130
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.4 11.2
 80 9.7 7.7 11.5

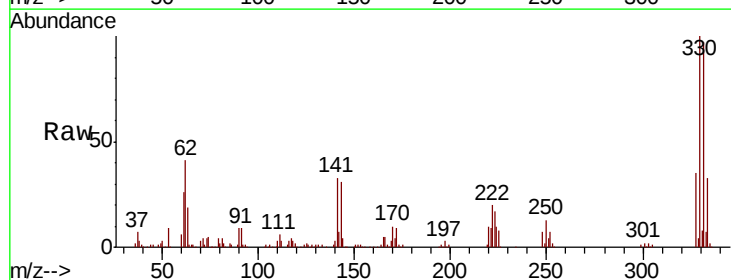


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

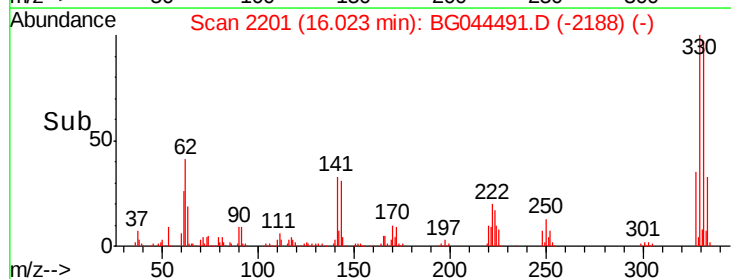
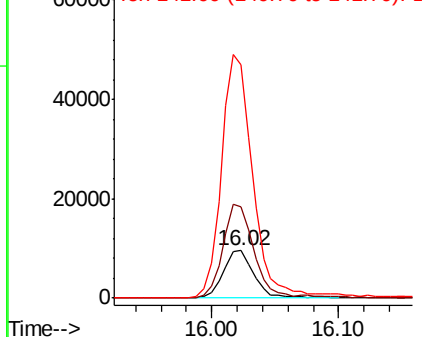


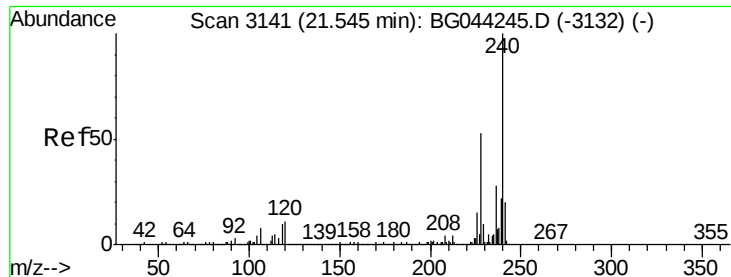
#67
 4-Bromophenyl-phenylether
 Concen: 4.320 ng
 RT: 16.02 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG044491.D
 Acq: 19 Feb 2020 15:28

Tgt Ion:248 Resp: 15960
 Ion Ratio Lower Upper
 248 100
 250 192.9 76.6 114.8#
 141 495.3 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

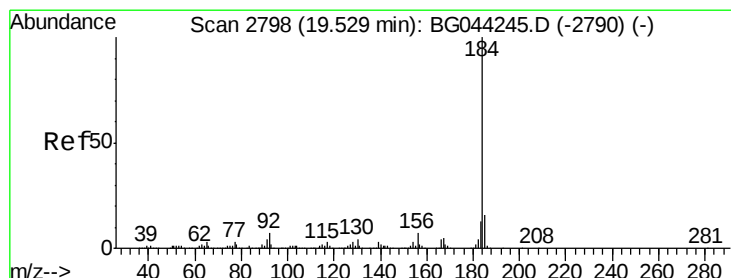
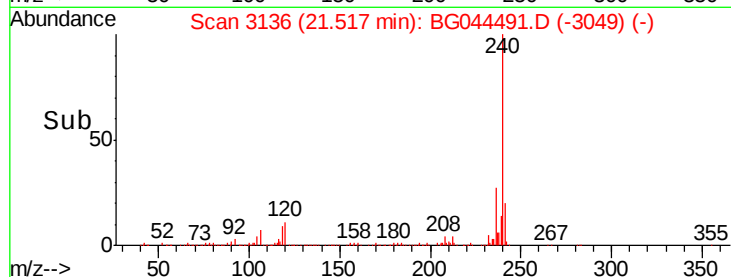
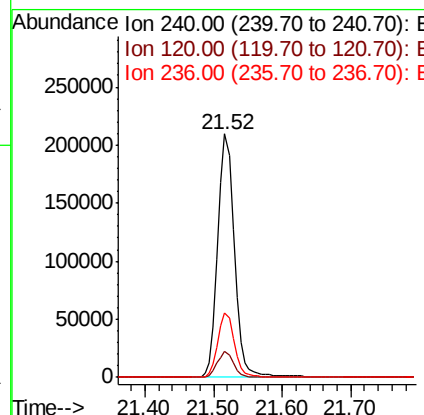
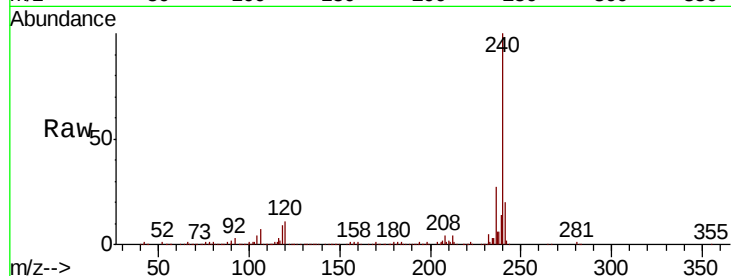




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.52 min Scan# 3136
Delta R.T. -0.02 min
Lab File: BG044491.D
Acq: 19 Feb 2020 15:28

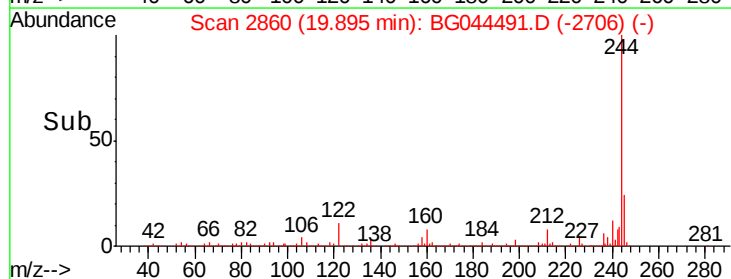
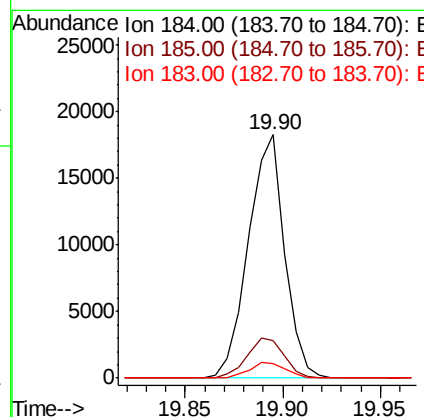
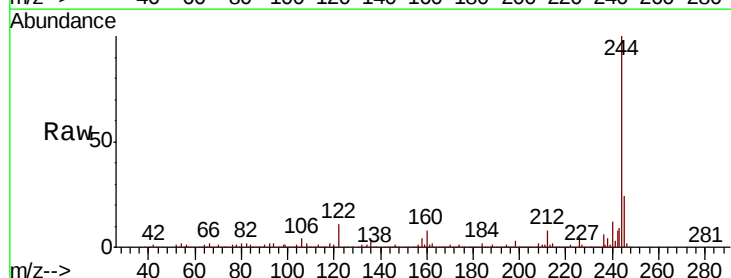
Instrument :
BNA_G
ClientSampled :

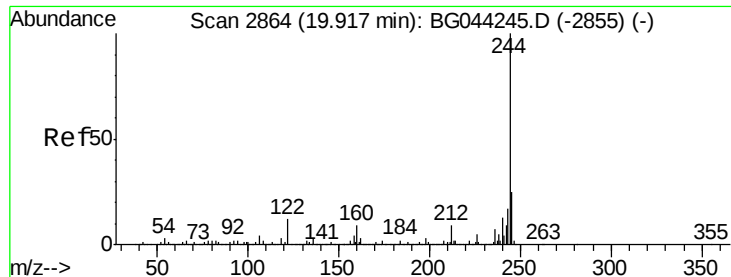
Tot Ion:240 Resp: 354448
Ion Ratio Lower Upper
240 100
120 10.7 8.4 12.6
236 26.5 22.1 33.1



#77
Benzidine
Concen: 2.389 ng
RT: 19.90 min Scan# 2860
Delta R.T. 0.37 min
Lab File: BG044491.D
Acq: 19 Feb 2020 15:28

Tgt Ion:184 Resp: 23483
Ion Ratio Lower Upper
184 100
185 15.5 12.9 19.3
183 6.0 10.8 16.2#





#79

Terphenyl-d14

Concen: 87.874 ng

RT: 19.90 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG044491.D

Acq: 19 Feb 2020 15:28

Instrument :

BNA_G

ClientSampleId :

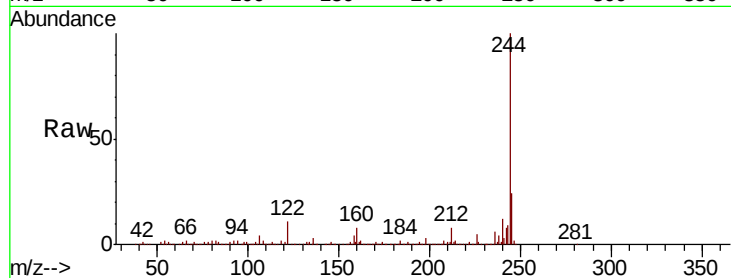
Tot Ion:244 Resp: 1514282

Ion Ratio Lower Upper

244 100

212 8.4 7.4 11.2

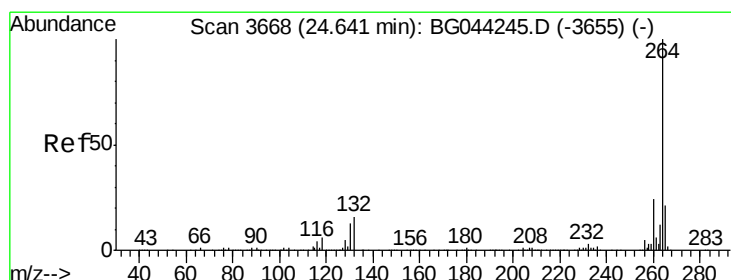
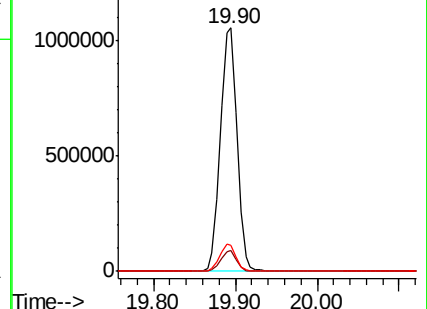
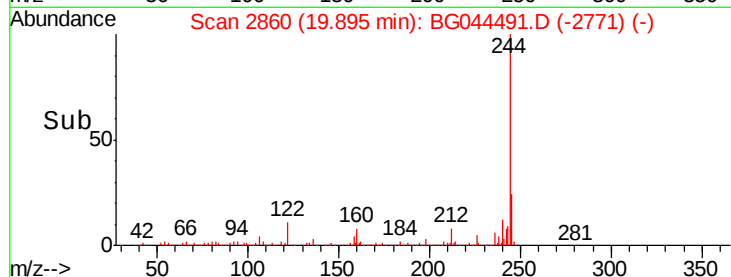
122 10.8 9.8 14.6



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

Perylene-d12

Concen: 20.000 ng

RT: 24.60 min Scan# 3660

Delta R.T. -0.03 min

Lab File: BG044491.D

Acq: 19 Feb 2020 15:28

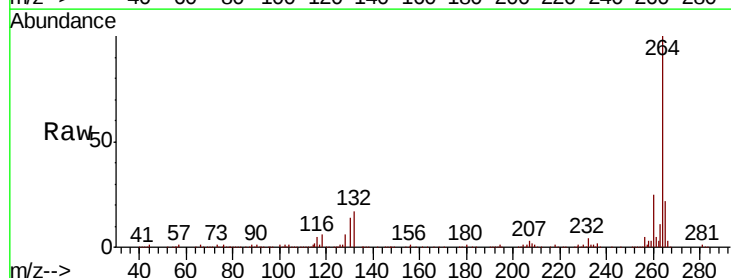
Tgt Ion:264 Resp: 377622

Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.2

265 22.2 16.7 25.1



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

