

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020420\
 Data File : BG044289.D
 Acq On : 4 Feb 2020 20:34
 Operator : CG/JU
 Sample : PB126573BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 05 04:39:29 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

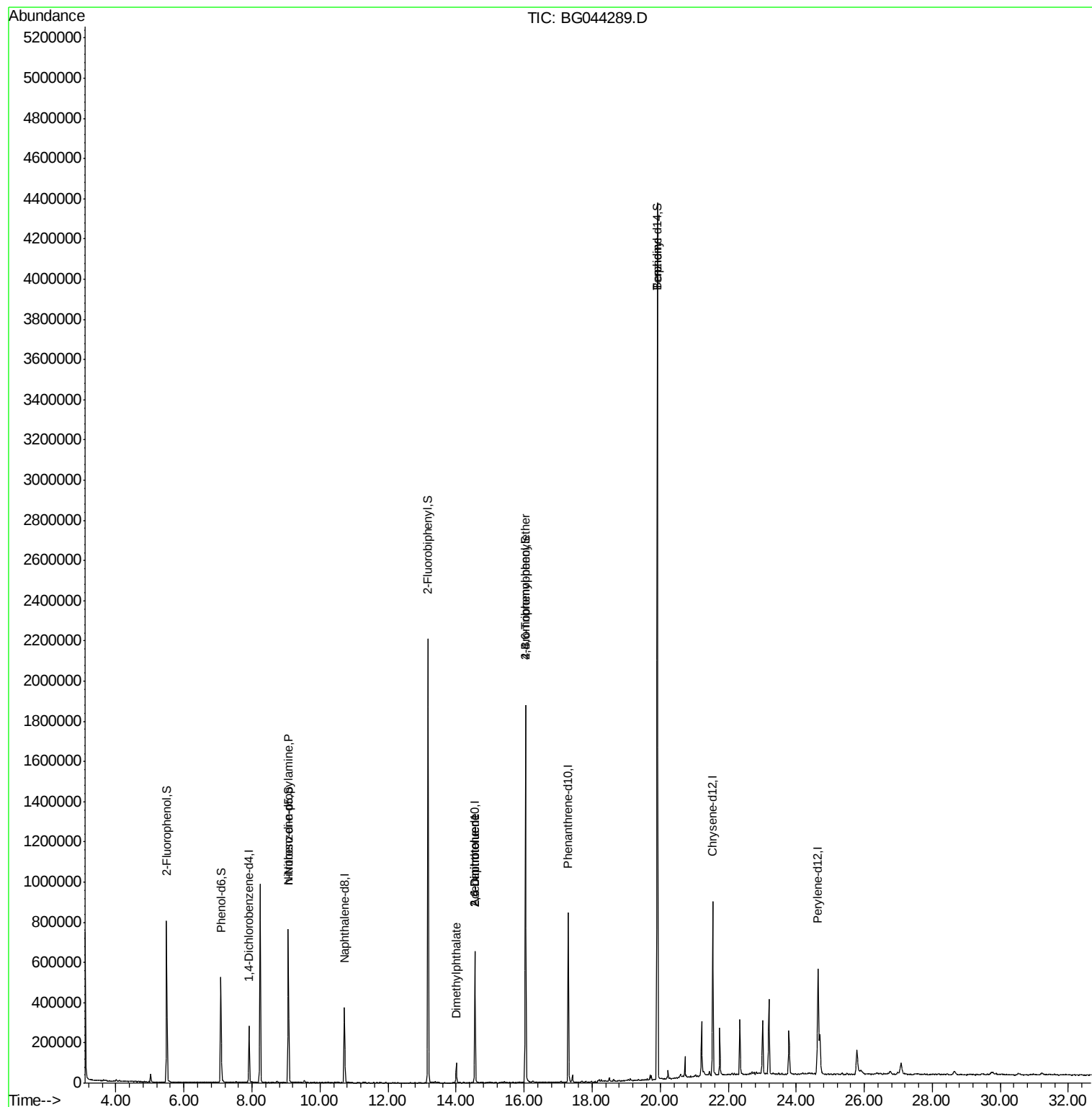
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	83321	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	345421	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	234134	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	541541	20.00	ng	0.00
76) Chrysene-d12	21.54	240	502823	20.00	ng	0.00
87) Perylene-d12	24.64	264	557139	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	411366	87.13	ng	0.00
7) Phenol-d6	7.08	99	343121	54.12	ng	0.00
23) Nitrobenzene-d5	9.07	82	503549	82.30	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	368274	133.99	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1161088	83.04	ng	0.00
79) Terphenyl-d14	19.92	244	2008406	82.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.07	70	65486	15.499	ng	Qvalue # 78
50) Dimethylphthalate	14.00	163	73230	4.351	ng	97
51) 2,6-Dinitrotoluene	14.55	165	30168	8.039	ng	# 30
57) 2,4-Dinitrotoluene	14.55	165	30168	5.736	ng	# 27
67) 4-Bromophenyl-phenylether	16.04	248	24759	4.196	ng	# 1
77) Benzidine	19.92	184	34298	2.459	ng	# 93

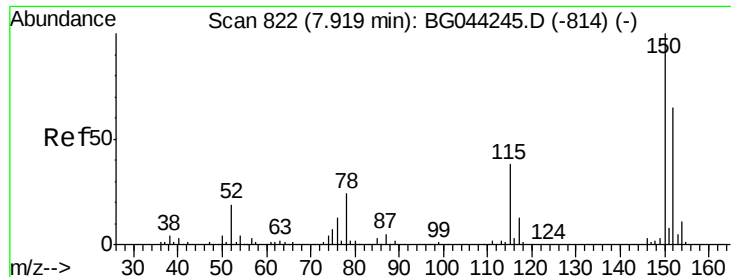
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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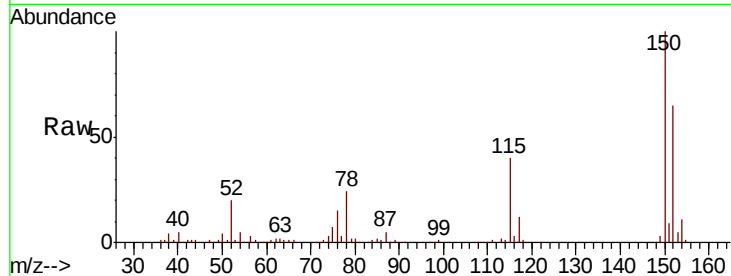


#1

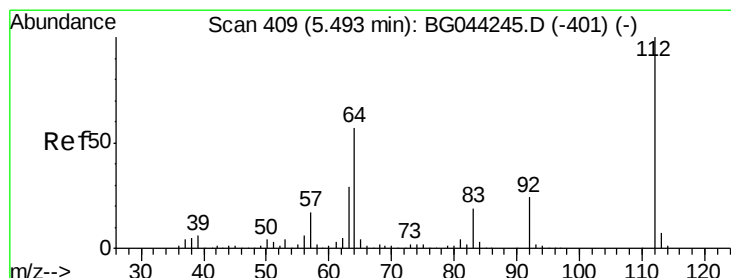
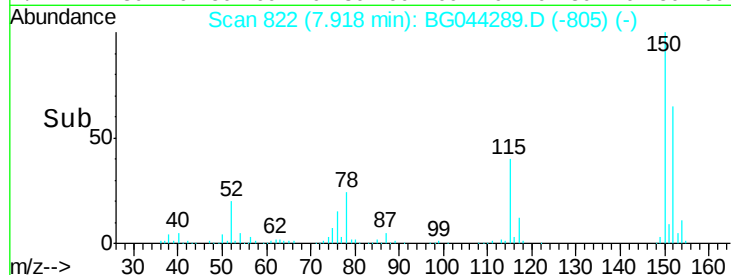
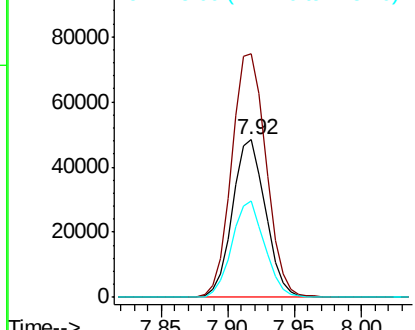
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG044289.D
Acq: 4 Feb 2020 20:34

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 83321
Ion Ratio Lower Upper
152 100
150 154.7 122.6 183.8
115 61.3 46.0 69.0



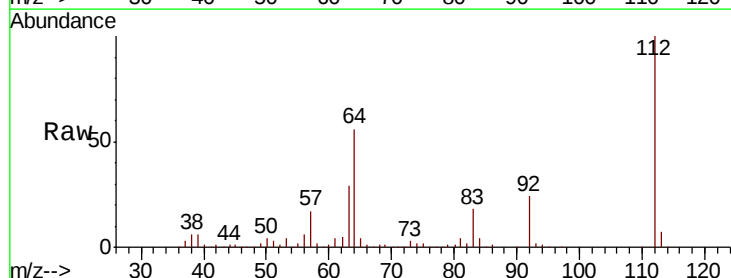
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



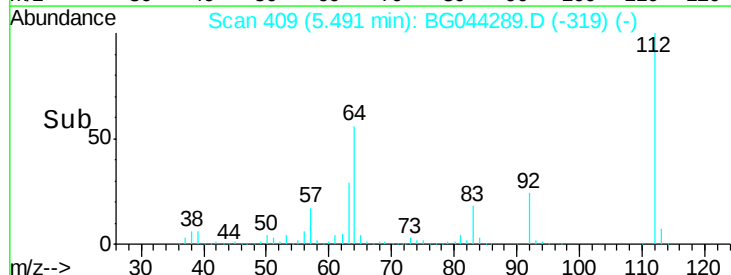
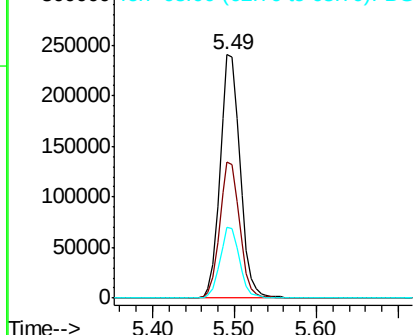
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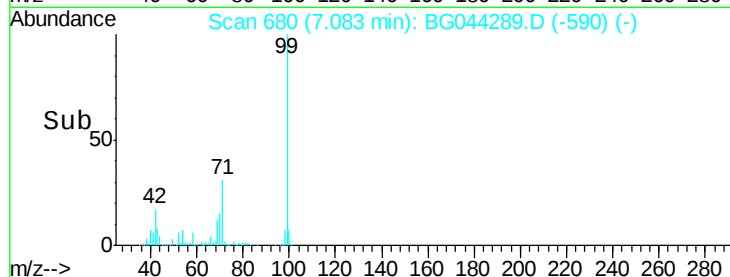
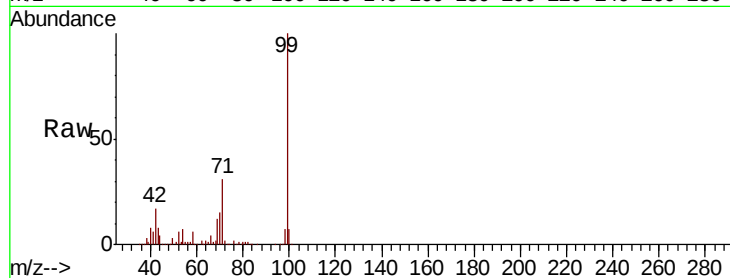
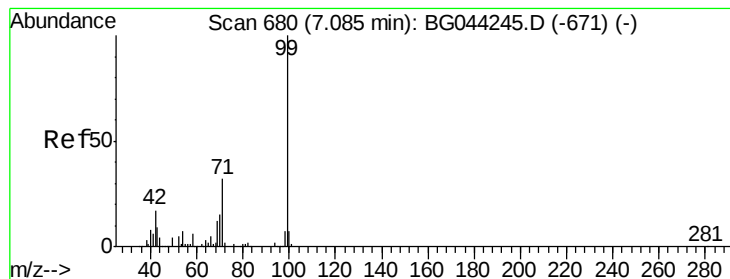
2-Fluorophenol
Concen: 87.132 ng
RT: 5.49 min Scan# 409
Delta R.T. -0.00 min
Lab File: BG044289.D
Acq: 4 Feb 2020 20:34

Tgt Ion:112 Resp: 411366
Ion Ratio Lower Upper
112 100
64 55.8 45.4 68.2
63 29.2 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: 54.122 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG044289.D

Acq: 4 Feb 2020 20:34

Instrument :

BNA_G

ClientSampleId :

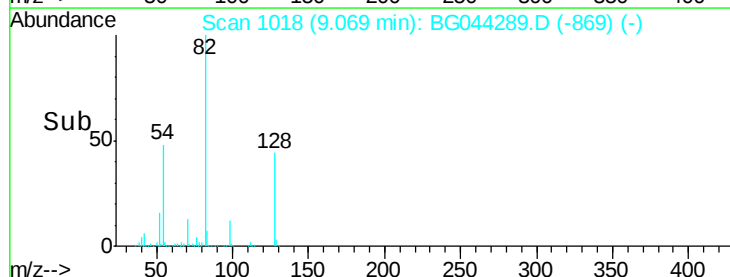
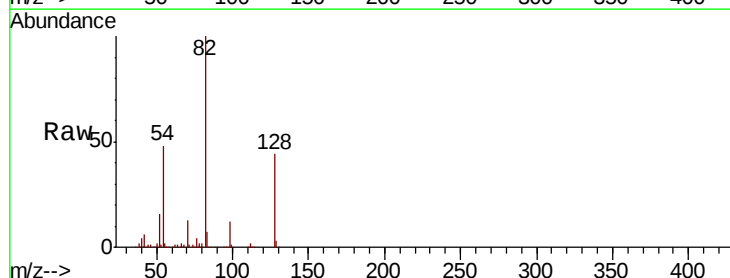
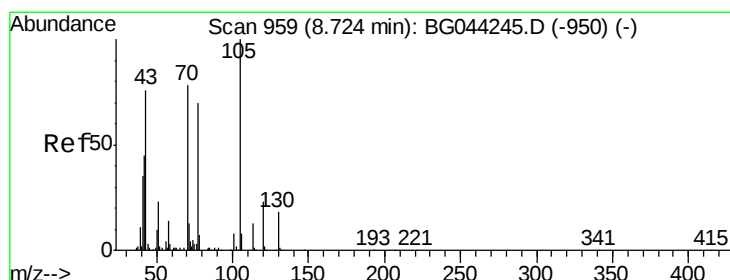
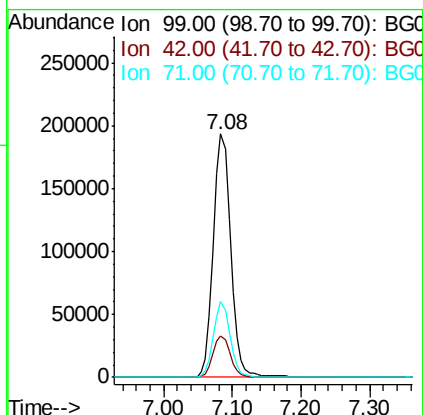
Tot Ion: 99 Resp: 343121

Ion Ratio Lower Upper

99 100

42 16.8 13.8 20.6

71 31.3 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.499 ng

RT: 9.07 min Scan# 1018

Delta R.T. 0.34 min

Lab File: BG044289.D

Acq: 4 Feb 2020 20:34

Tgt Ion: 70 Resp: 65486

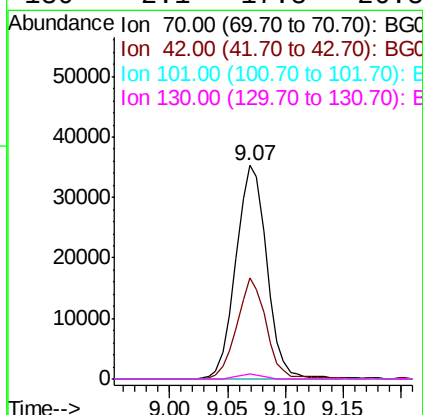
Ion Ratio Lower Upper

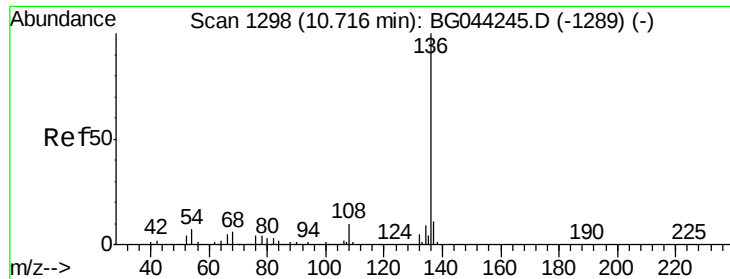
70 100

42 47.5 46.2 69.2

101 0.0 8.4 12.6#

130 2.1 17.8 26.8#

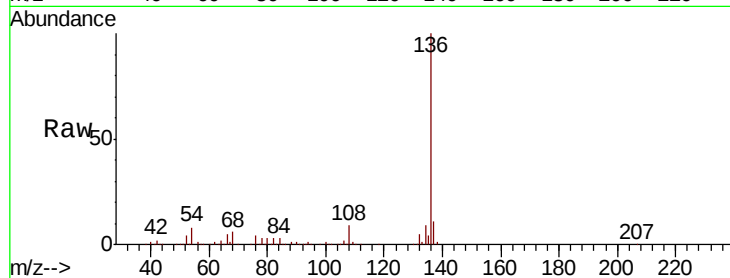




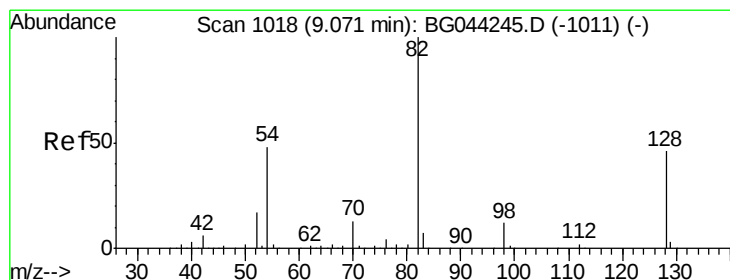
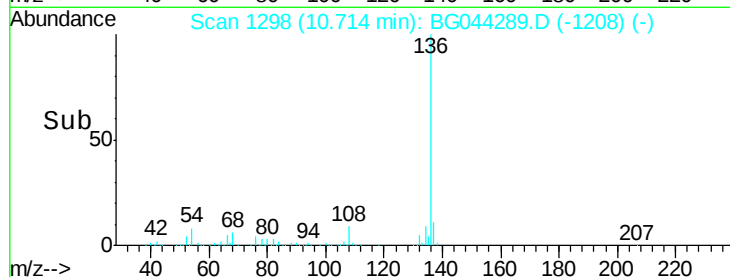
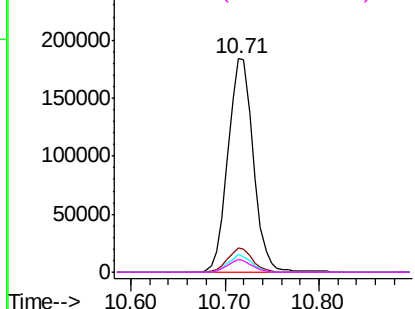
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.71 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BG044289.D
Acq: 4 Feb 2020 20:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	345421
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.8 13.2
54	8.4	5.8 8.8
68	5.8	4.6 6.8

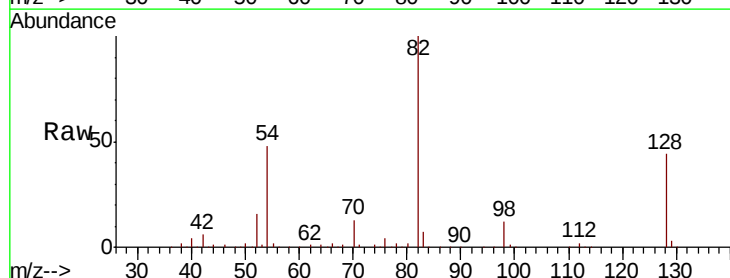


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

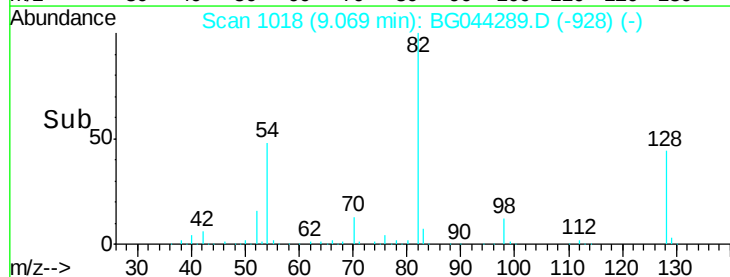
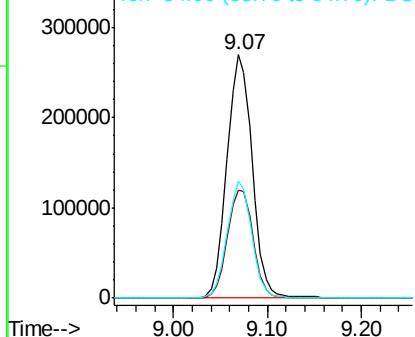


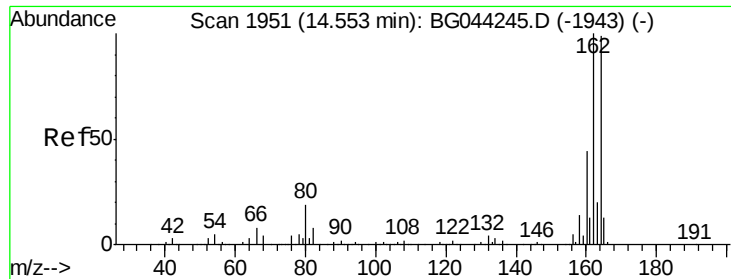
#23
Nitrobenzene-d5
Concen: 82.301 ng
RT: 9.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BG044289.D
Acq: 4 Feb 2020 20:34

Tgt Ion: 82	Resp:	503549
Ion	Ratio	Lower Upper
82	100	
128	44.4	36.5 54.7
54	48.2	38.6 58.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG044289.D

Acq: 4 Feb 2020 20:34

Instrument :

BNA_G

ClientSampleId :

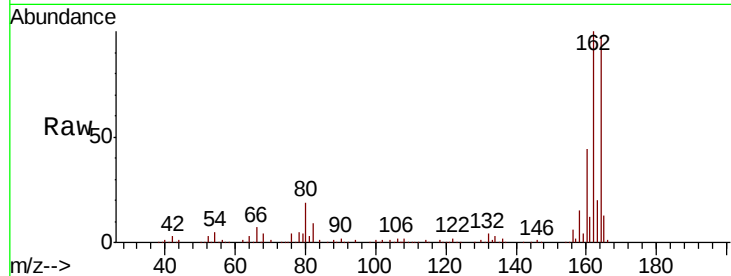
Tot Ion:164 Resp: 234134

Ion Ratio Lower Upper

164 100

162 103.4 80.7 121.1

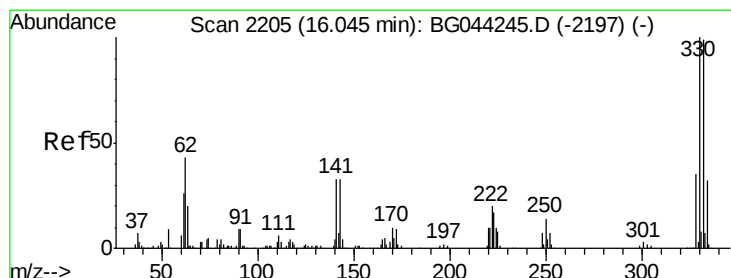
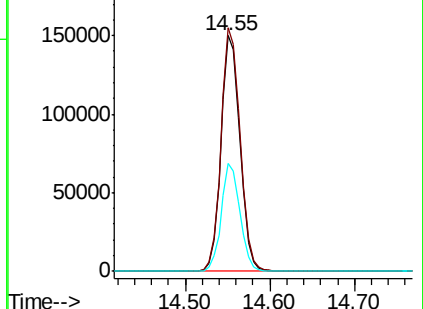
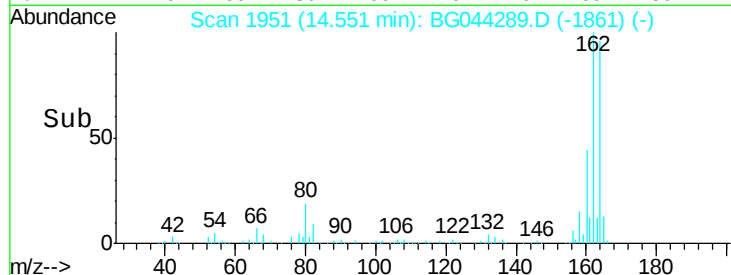
160 45.9 35.3 52.9



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: 133.986 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG044289.D

Acq: 4 Feb 2020 20:34

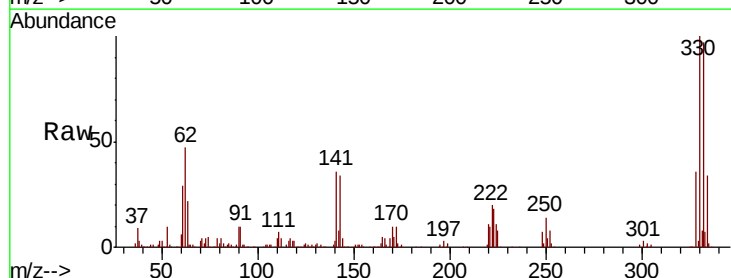
Tgt Ion:330 Resp: 368274

Ion Ratio Lower Upper

330 100

332 96.2 77.2 115.8

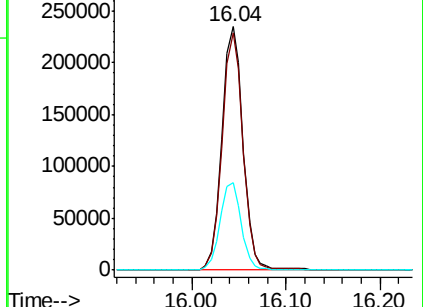
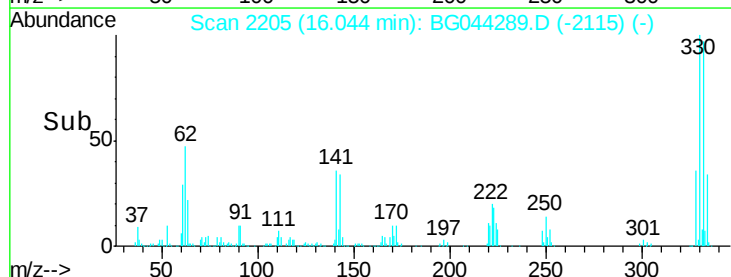
141 36.4 28.3 42.5

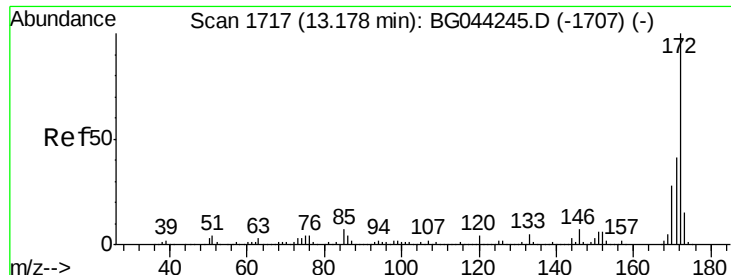


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

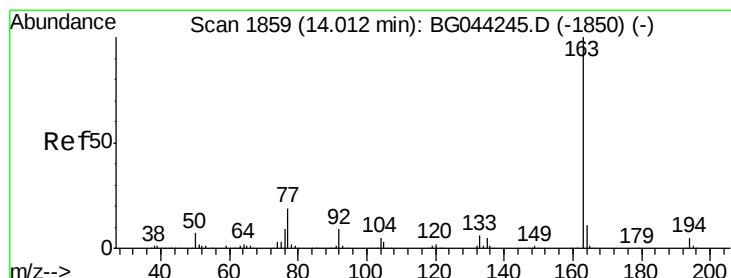
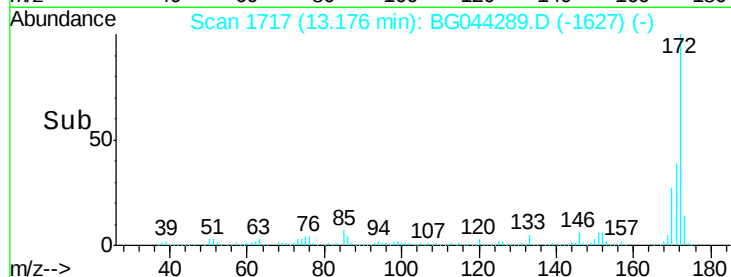
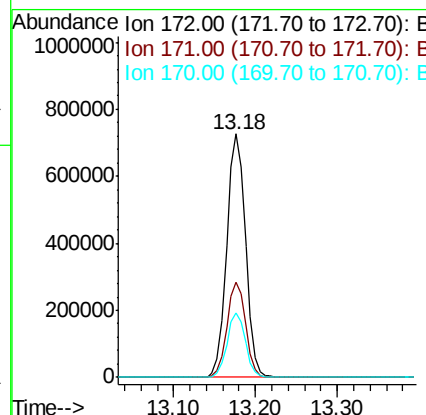
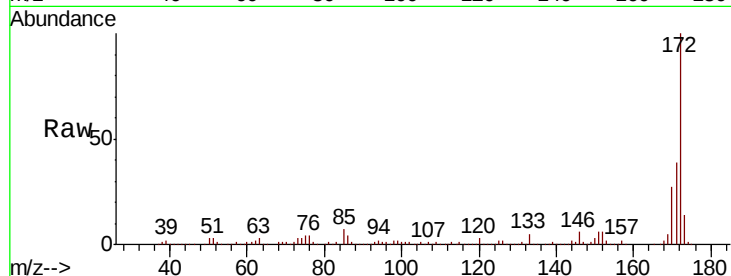




#45
2-Fluorobiphenyl
Concen: 83.042 ng
RT: 13.18 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BG044289.D
Acq: 4 Feb 2020 20:34

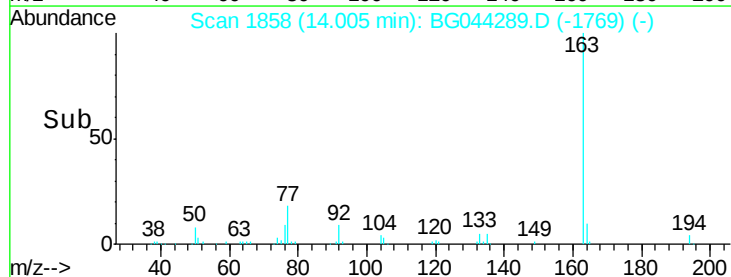
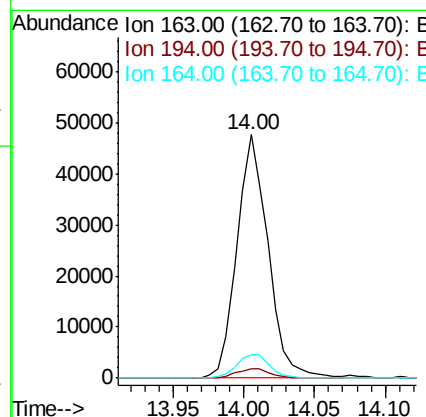
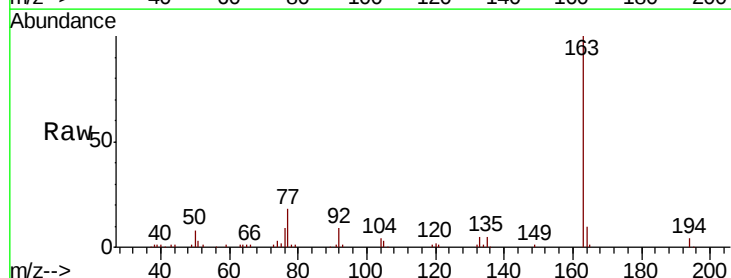
Instrument :
BNA_G
ClientSampled :

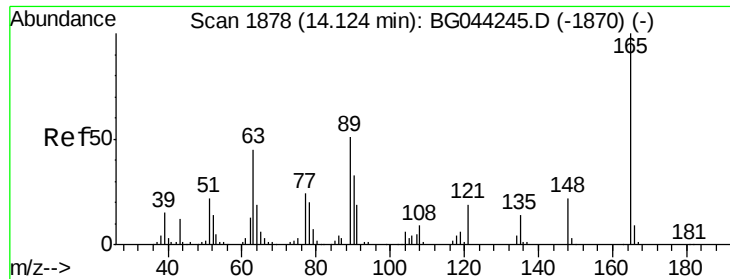
Tot Ion:172 Resp: 1161088
Ion Ratio Lower Upper
172 100
171 39.1 32.9 49.3
170 26.6 22.0 33.0



#50
Dimethylphthalate
Concen: 4.351 ng
RT: 14.00 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BG044289.D
Acq: 4 Feb 2020 20:34

Tgt Ion:163 Resp: 73230
Ion Ratio Lower Upper
163 100
194 3.7 3.6 5.4
164 9.7 8.7 13.1

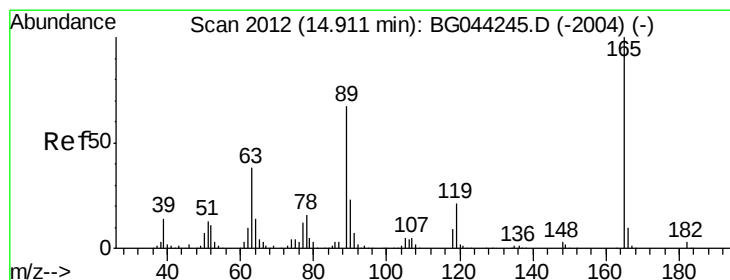
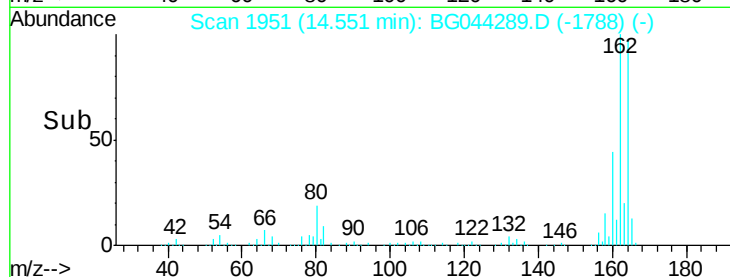
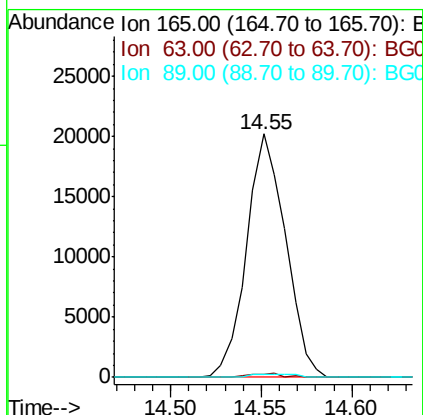
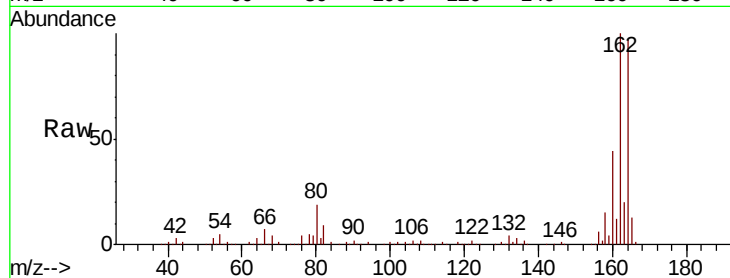




#51
 2,6-Dinitrotoluene
 Concen: 8.039 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. 0.43 min
 Lab File: BG044289.D
 Acq: 4 Feb 2020 20:34

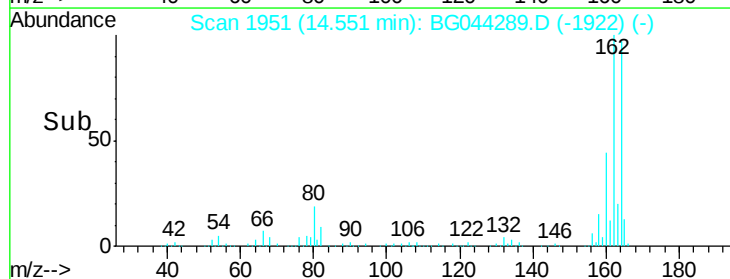
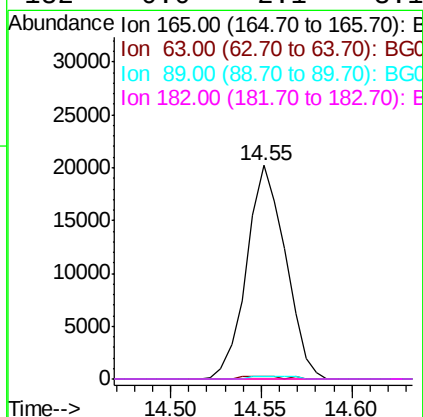
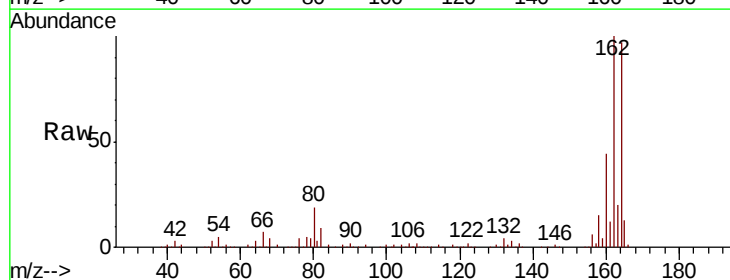
Instrument :
 BNA_G
 ClientSampleId :

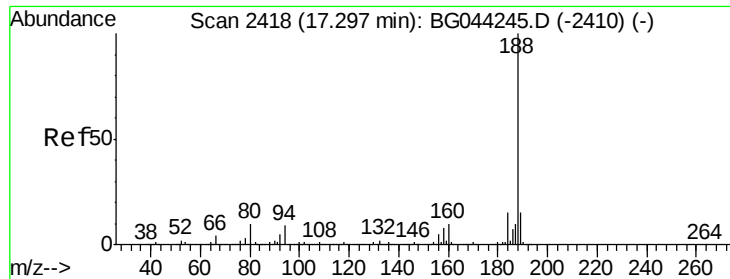
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.7	58.1#
89	1.2	40.4	60.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.736 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG044289.D
 Acq: 4 Feb 2020 20:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	30.3	45.5#
89	1.2	53.4	80.2#
182	0.0	2.1	3.1#

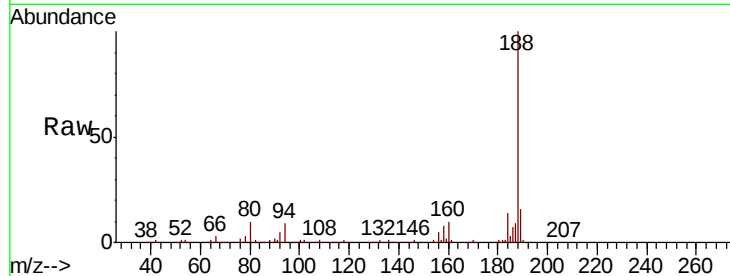




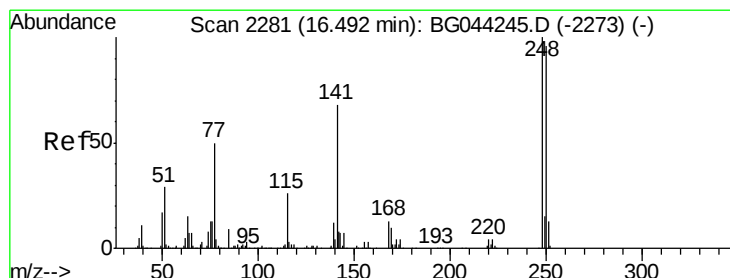
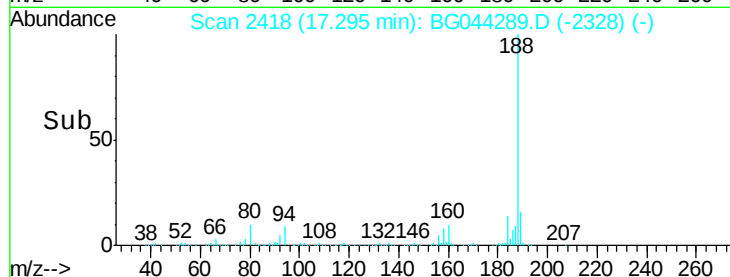
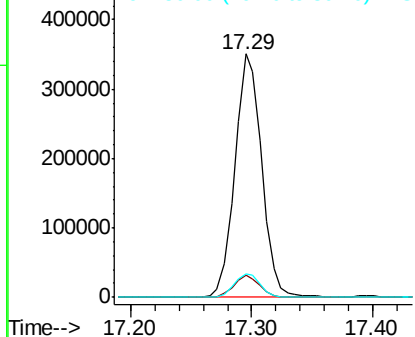
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.29 min Scan# 2418
Delta R.T. -0.00 min
Lab File: BG044289.D
Acq: 4 Feb 2020 20:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 541541
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 9.8 7.7 11.5

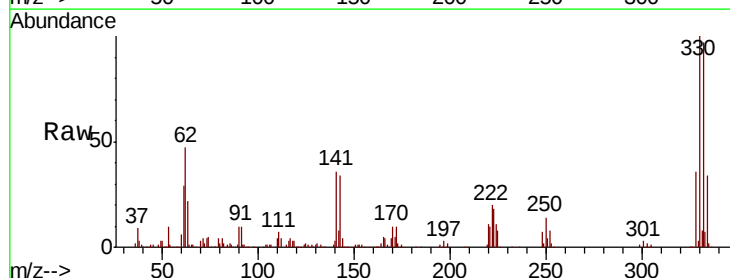


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

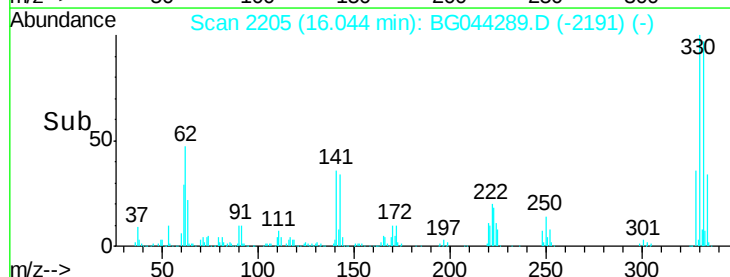
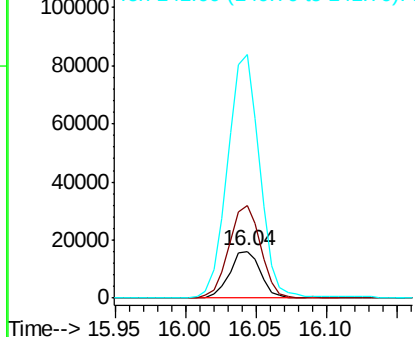


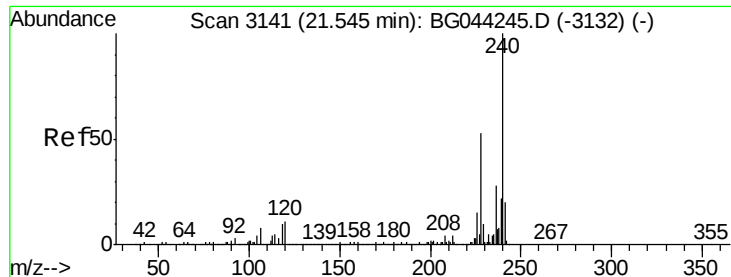
#67
4-Bromophenyl-phenylether
Concen: 4.196 ng
RT: 16.04 min Scan# 2205
Delta R.T. -0.45 min
Lab File: BG044289.D
Acq: 4 Feb 2020 20:34

Tgt Ion:248 Resp: 24759
Ion Ratio Lower Upper
248 100
250 197.7 76.6 114.8#
141 517.7 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

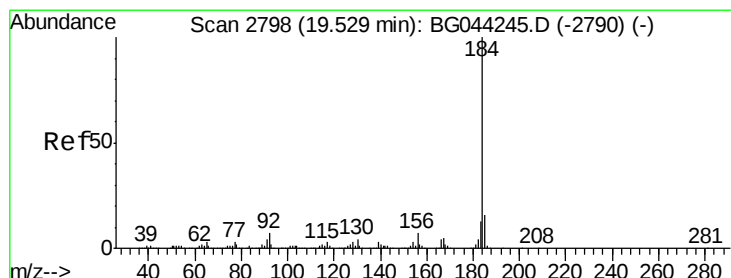
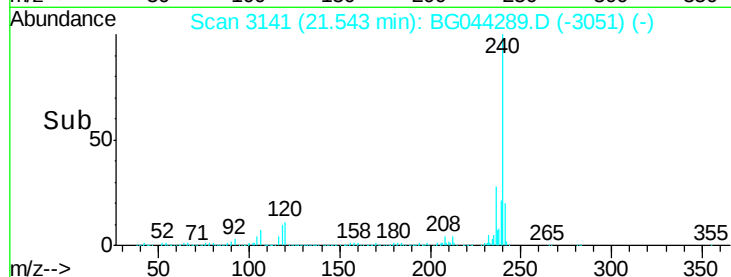
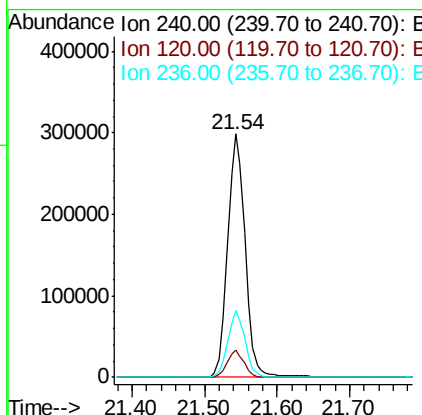
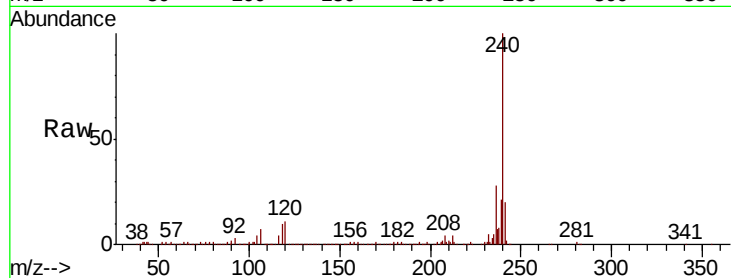




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.54 min Scan# 3141
 Delta R.T. -0.00 min
 Lab File: BG044289.D
 Acq: 4 Feb 2020 20:34

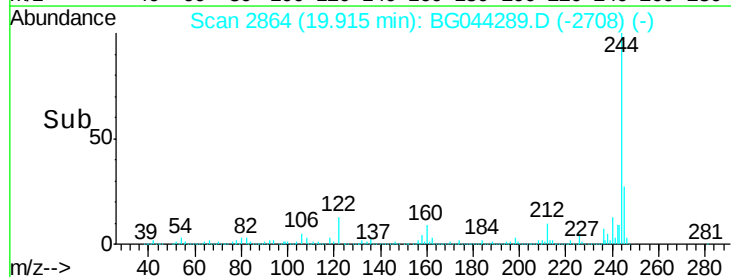
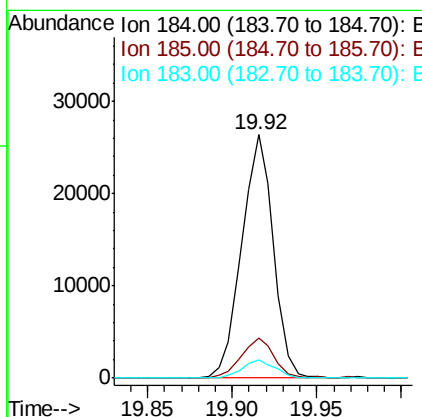
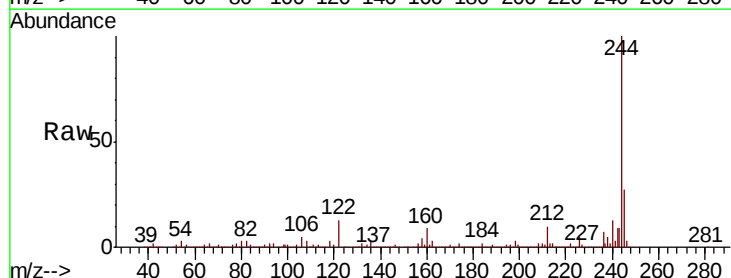
Instrument :
 BNA_G
 ClientSampleId :

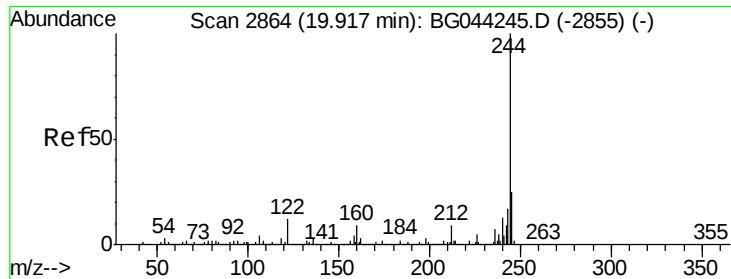
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.4	12.6
236	27.7	22.1	33.1



#77
 Benzidine
 Concen: 2.459 ng
 RT: 19.92 min Scan# 2864
 Delta R.T. 0.39 min
 Lab File: BG044289.D
 Acq: 4 Feb 2020 20:34

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.5	12.9	19.3
183	7.5	10.8	16.2#





#79

Terphenyl-d14

Concen: 82.157 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG044289.D

Acq: 4 Feb 2020 20:34

Instrument :

BNA_G

ClientSampleId :

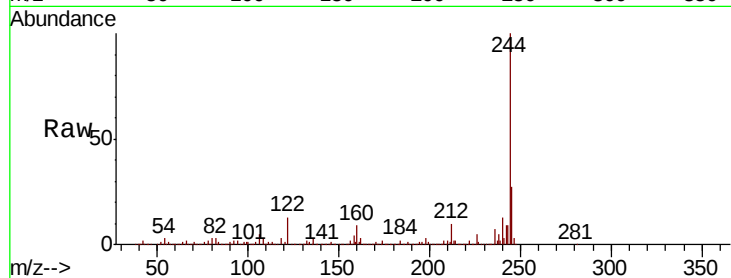
Tot Ion:244 Resp: 2008406

Ion Ratio Lower Upper

244 100

212 9.5 7.4 11.2

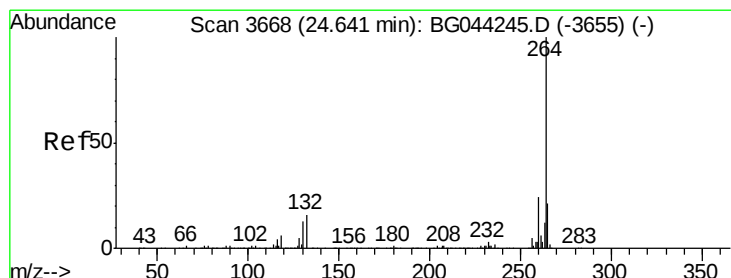
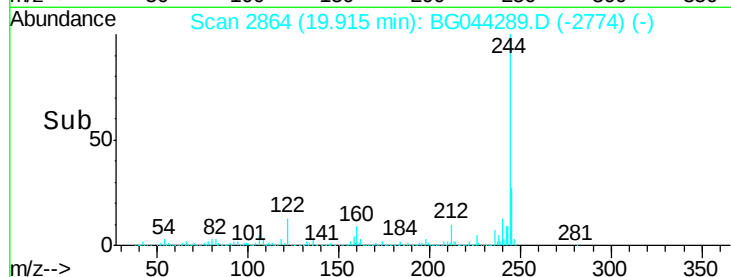
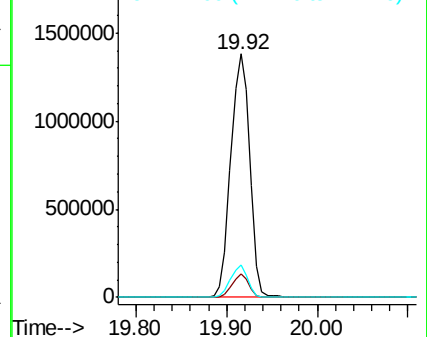
122 13.2 9.8 14.6



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: 24.64 min Scan# 3668

Delta R.T. -0.00 min

Lab File: BG044289.D

Acq: 4 Feb 2020 20:34

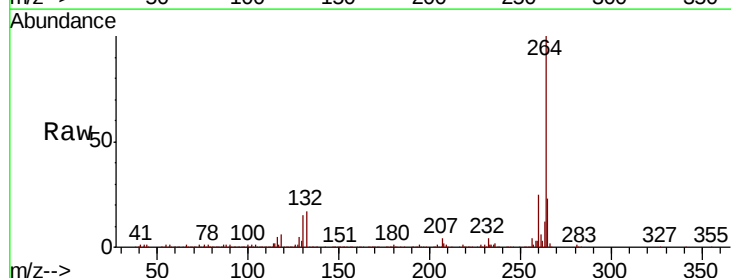
Tgt Ion:264 Resp: 557139

Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.2

265 22.9 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

