

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030320\
 Data File : BG044668.D
 Acq On : 3 Mar 2020 18:51
 Operator : CG/JU
 Sample : L1372-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 04 03:46:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 24 16:11:23 2020
 Response via : Initial Calibration

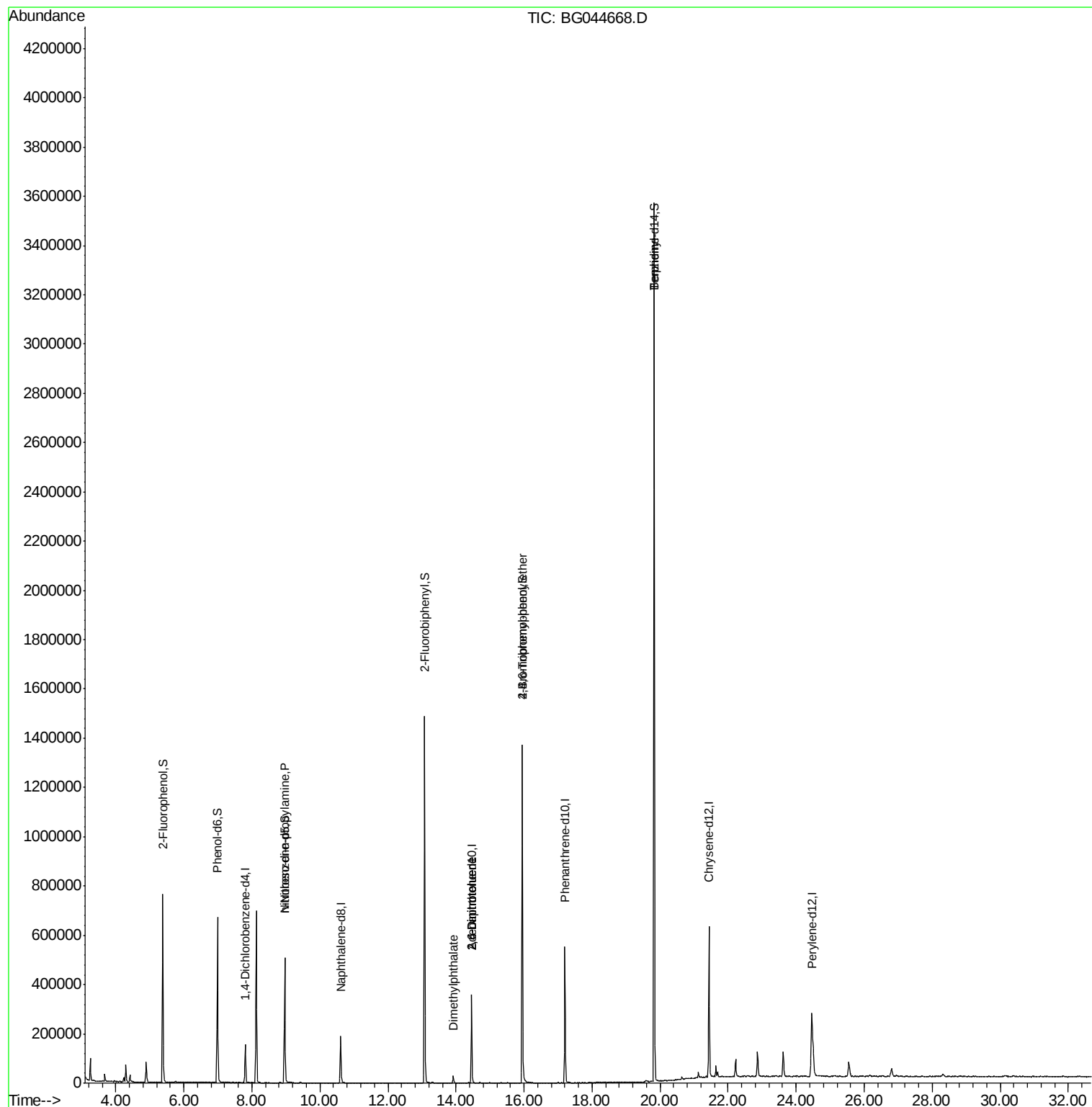
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	45845	20.00	ng	-0.06
21) Naphthalene-d8	10.60	136	186615	20.00	ng	-0.07
39) Acenaphthene-d10	14.46	164	132843	20.00	ng	-0.06
64) Phenanthrene-d10	17.20	188	365815	20.00	ng	-0.06
76) Chrysene-d12	21.44	240	369379	20.00	ng	-0.06
87) Perylene-d12	24.46	264	232756	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	381319	133.45	ng	-0.06
7) Phenol-d6	6.99	99	447853	114.51	ng	-0.06
23) Nitrobenzene-d5	8.97	82	332605	91.82	ng	-0.06
42) 2,4,6-Tribromophenol	15.95	330	308629	163.85	ng	-0.06
45) 2-Fluorobiphenyl	13.08	172	833767	89.88	ng	-0.06
79) Terphenyl-d14	19.82	244	1786544	91.56	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.97	70	42532	16.918	ng	# 76
50) Dimethylphthalate	13.92	163	27143	2.531	ng	100
51) 2,6-Dinitrotoluene	14.46	165	16764	7.089	ng	# 32
57) 2,4-Dinitrotoluene	14.46	165	16764	5.042	ng	# 31
67) 4-Bromophenyl-phenylether	15.95	248	21060	4.638	ng	# 1
77) Benzidine	19.83	184	27008	2.134	ng	# 91

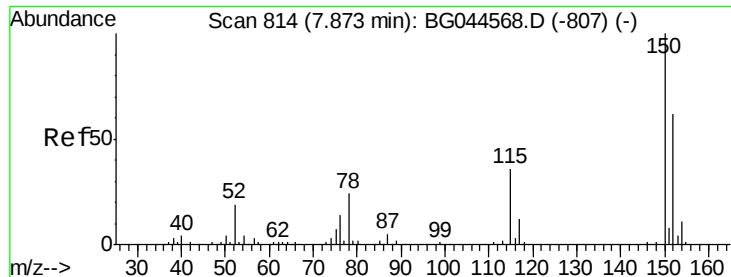
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 24 16:11:23 2020
Response via : Initial Calibration

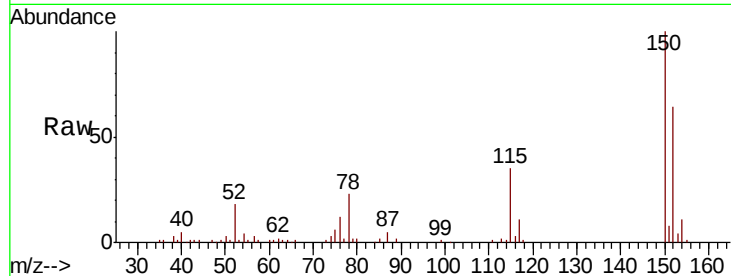




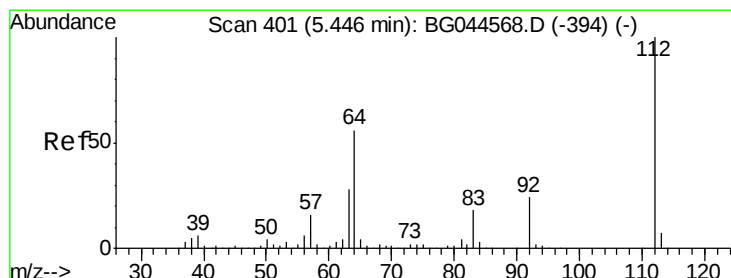
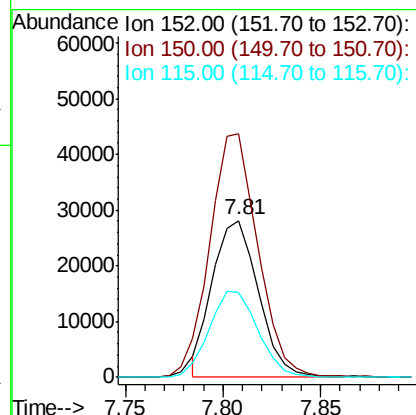
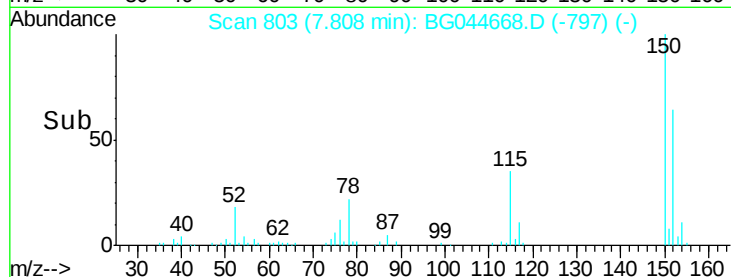
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.81 min Scan# 803
 Delta R.T. -0.06 min
 Lab File: BG044668.D
 Acq: 3 Mar 2020 18:51

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 45845
 Ion Ratio Lower Upper
 152 100
 150 155.4 128.9 193.3
 115 54.1 47.0 70.4

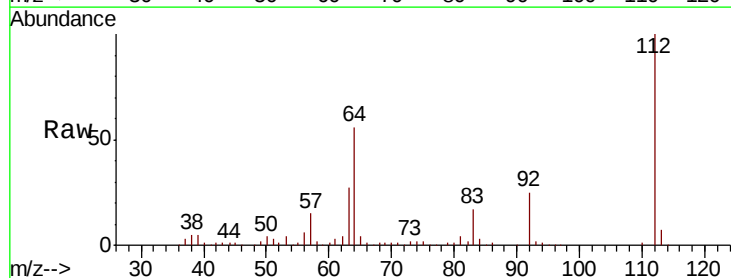


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

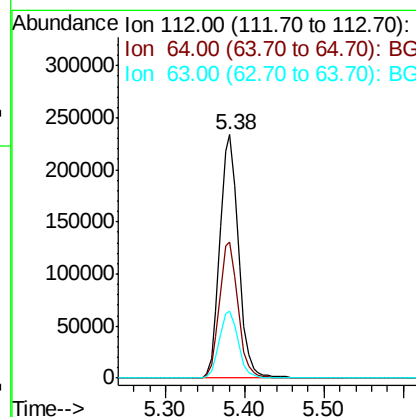
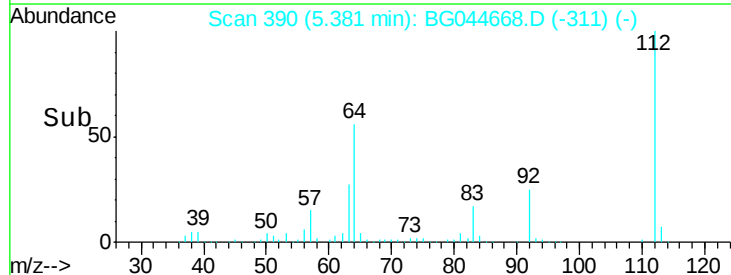


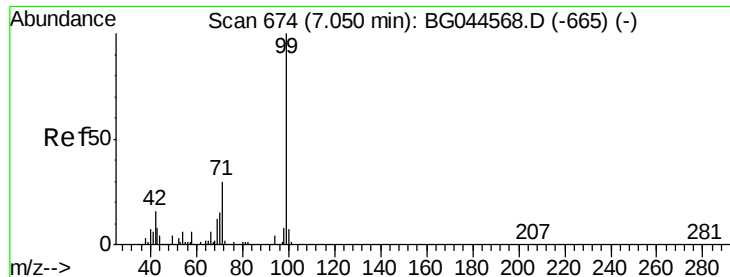
#5
 2-Fluorophenol
 Concen: 133.453 ng
 RT: 5.38 min Scan# 390
 Delta R.T. -0.06 min
 Lab File: BG044668.D
 Acq: 3 Mar 2020 18:51

Tgt Ion:112 Resp: 381319
 Ion Ratio Lower Upper
 112 100
 64 56.1 44.8 67.2
 63 27.4 22.3 33.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 114.507 ng

RT: 6.99 min Scan# 663

Delta R.T. -0.06 min

Lab File: BG044668.D

Acq: 3 Mar 2020 18:51

Instrument :

BNA_G

ClientSampleId :

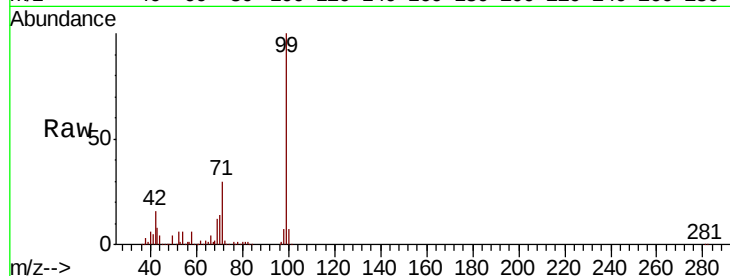
Tot Ion: 99 Resp: 447853

Ion Ratio Lower Upper

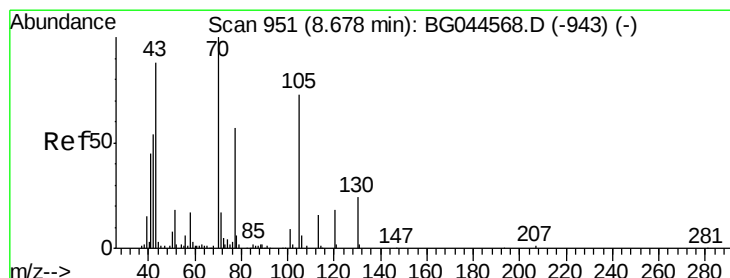
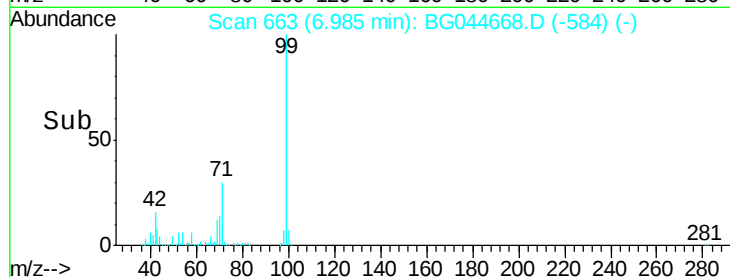
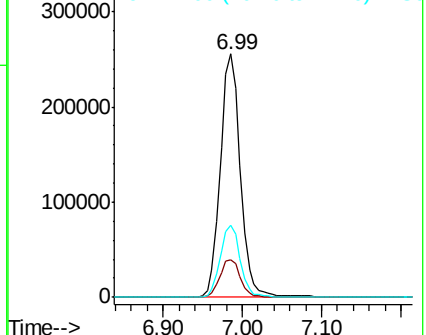
99 100

42 15.7 12.8 19.2

71 29.7 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 16.918 ng

RT: 8.97 min Scan# 1000

Delta R.T. 0.29 min

Lab File: BG044668.D

Acq: 3 Mar 2020 18:51

Tgt Ion: 70 Resp: 42532

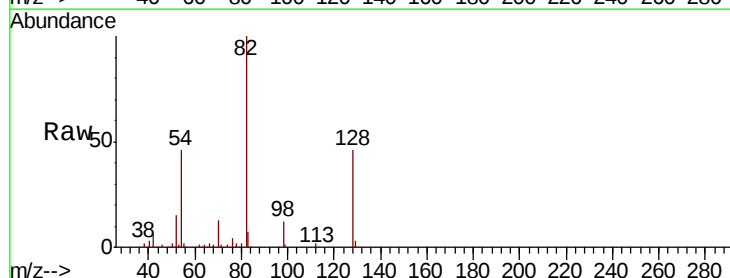
Ion Ratio Lower Upper

70 100

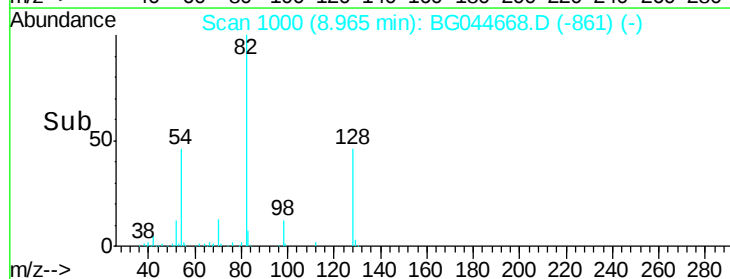
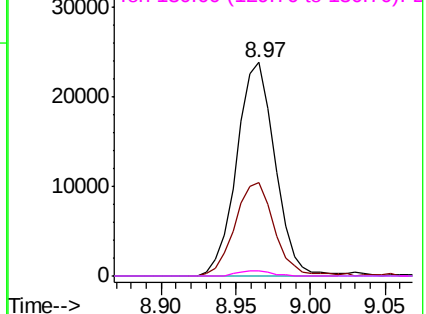
42 43.8 43.4 65.0

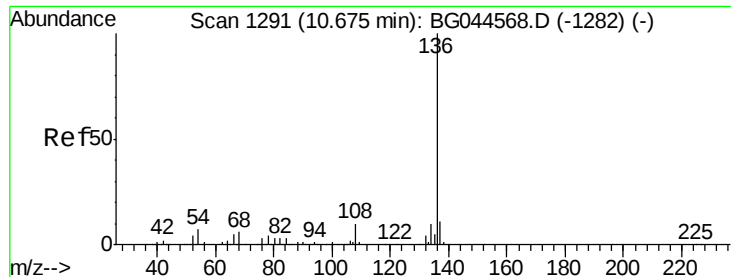
101 0.0 7.5 11.3#

130 2.4 18.9 28.3#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

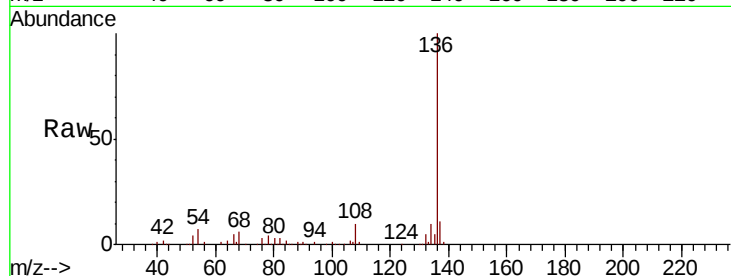




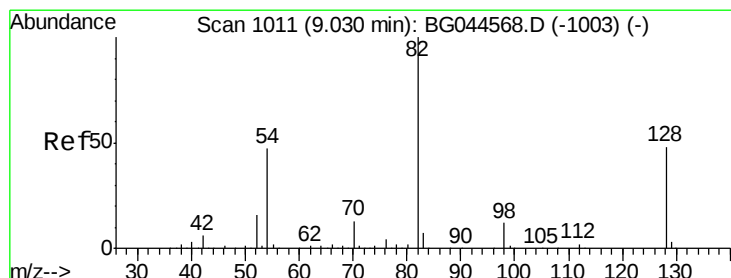
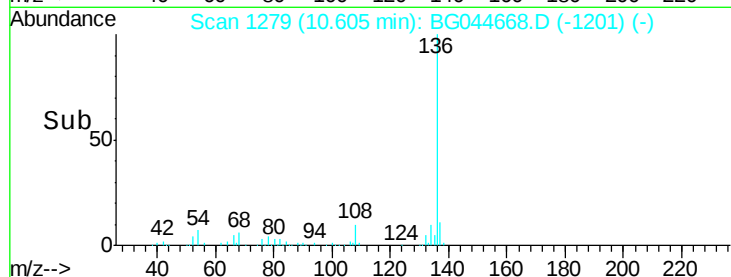
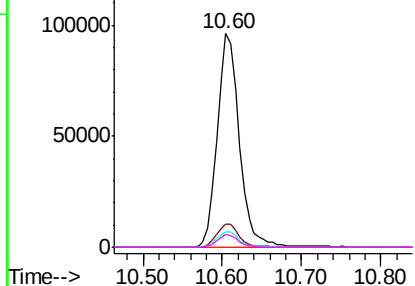
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.60 min Scan# 1279
Delta R.T. -0.07 min
Lab File: BG044668.D
Acq: 3 Mar 2020 18:51

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	186615
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.8 13.2
54	7.1	5.7 8.5
68	6.2	4.5 6.7

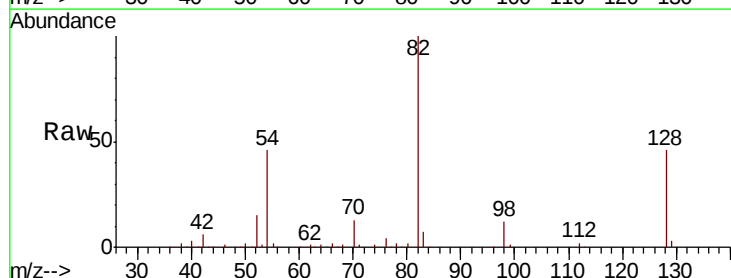


Abundance Ion 136.00 (135.70 to 136.70): BGC
150000
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

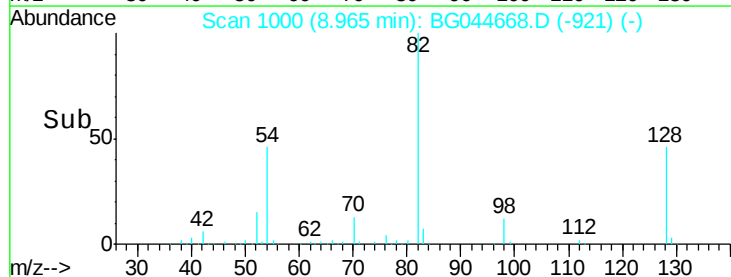
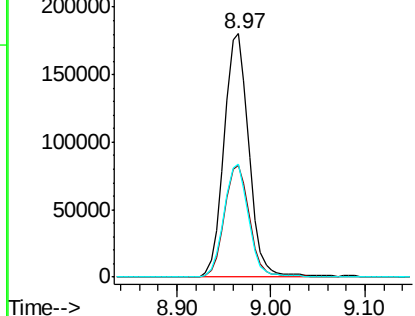


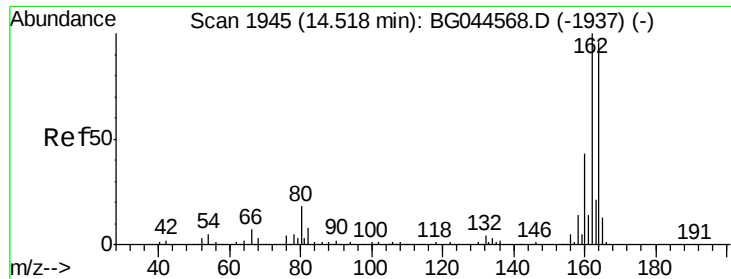
#23
Nitrobenzene-d5
Concen: 91.821 ng
RT: 8.97 min Scan# 1000
Delta R.T. -0.06 min
Lab File: BG044668.D
Acq: 3 Mar 2020 18:51

Tgt Ion: 82	Resp:	332605
Ion Ratio	Lower	Upper
82	100	
128	45.9	38.1 57.1
54	46.5	37.5 56.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
250000
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: 14.46 min Scan# 1935

Delta R.T. -0.06 min

Lab File: BG044668.D

Acq: 3 Mar 2020 18:51

Instrument :

BNA_G

ClientSampleId :

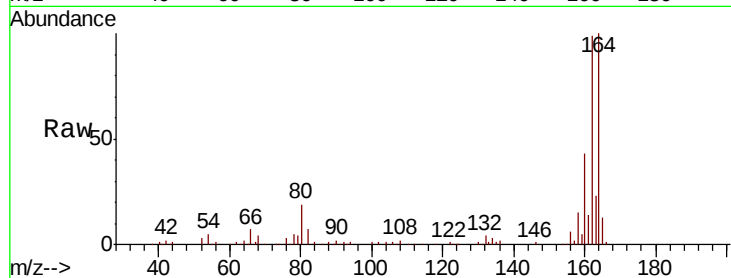
Tot Ion:164 Resp: 132843

Ion Ratio Lower Upper

164 100

162 99.3 83.6 125.4

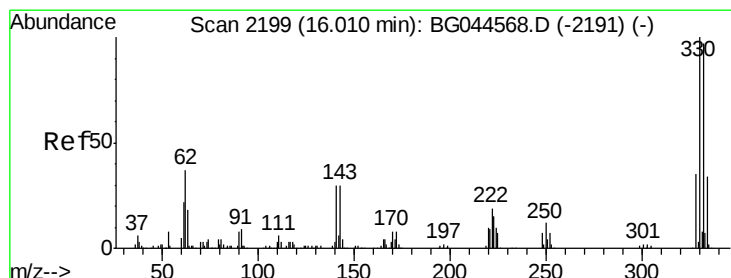
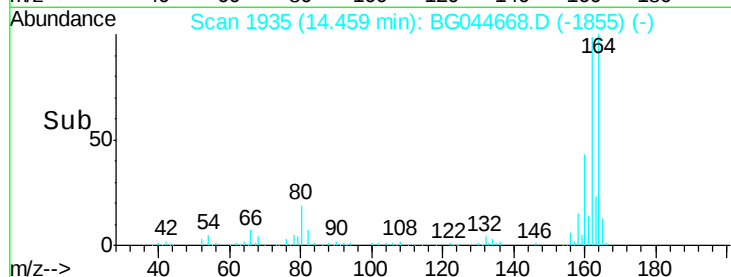
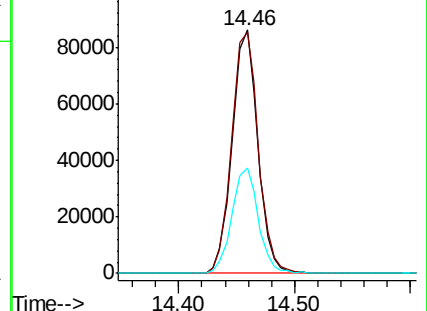
160 43.1 36.2 54.4



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: 163.850 ng

RT: 15.95 min Scan# 2189

Delta R.T. -0.06 min

Lab File: BG044668.D

Acq: 3 Mar 2020 18:51

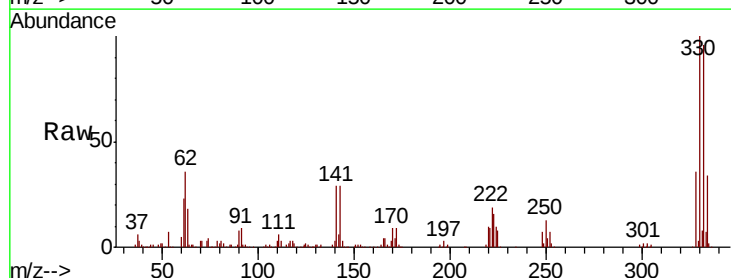
Tgt Ion:330 Resp: 308629

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.0

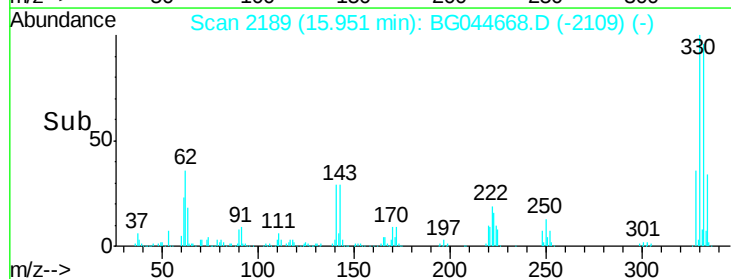
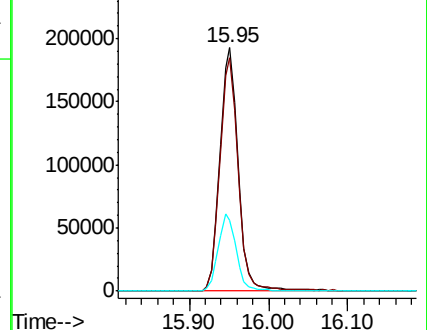
141 31.3 26.1 39.1

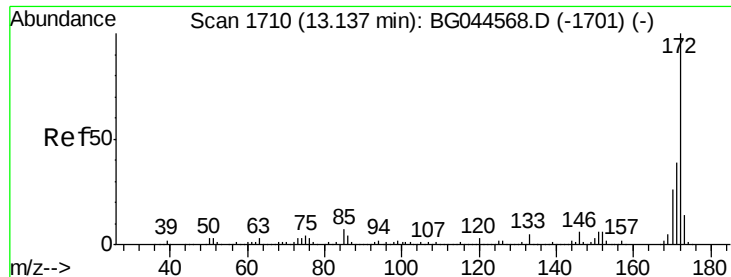


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



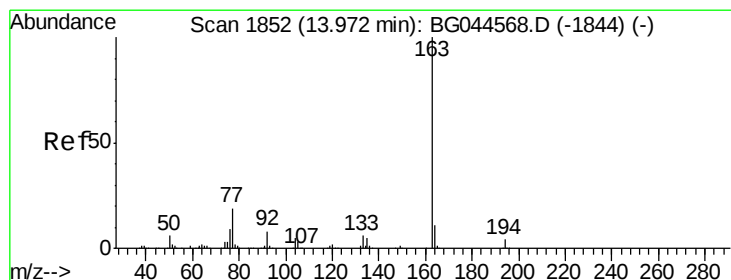
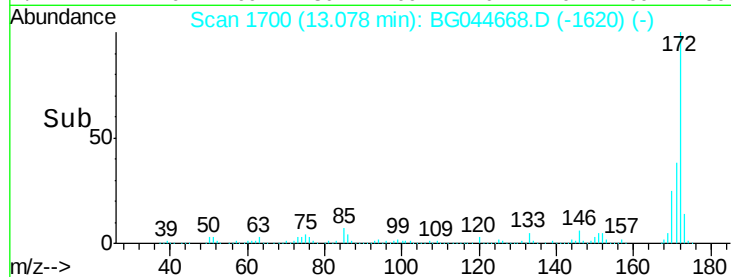
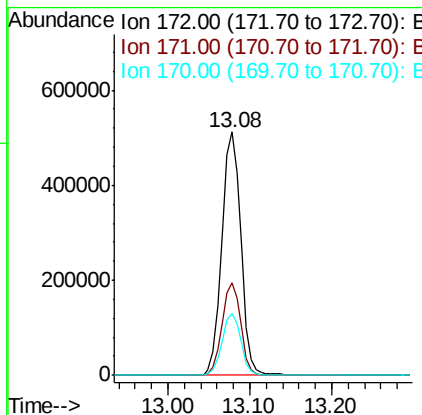
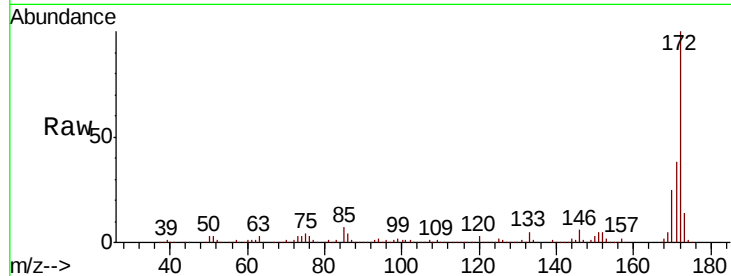


#45
 2-Fluorobiphenyl
 Concen: 89.876 ng
 RT: 13.08 min Scan# 1700
 Delta R.T. -0.06 min
 Lab File: BG044668.D
 Acq: 3 Mar 2020 18:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 833767

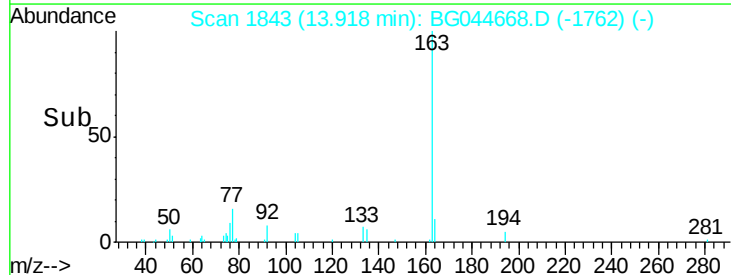
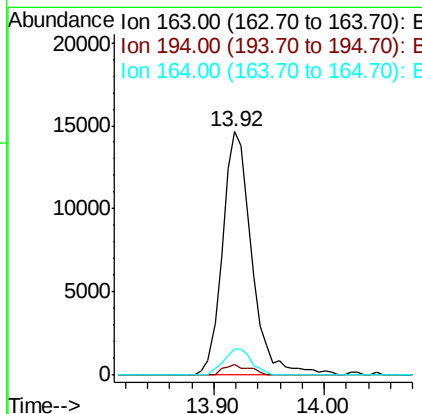
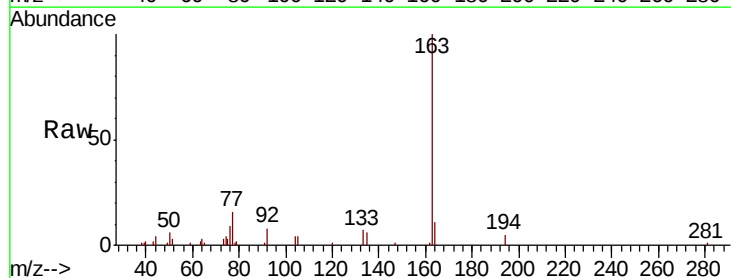
Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.3	46.9
170	25.4	21.0	31.4

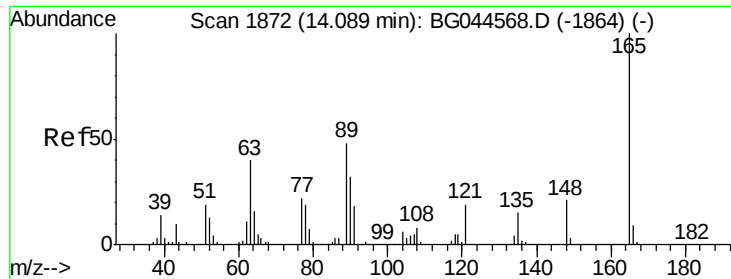


#50
 Dimethylphthalate
 Concen: 2.531 ng
 RT: 13.92 min Scan# 1843
 Delta R.T. -0.05 min
 Lab File: BG044668.D
 Acq: 3 Mar 2020 18:51

Tgt Ion:163 Resp: 27143

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.0
164	10.9	8.7	13.1

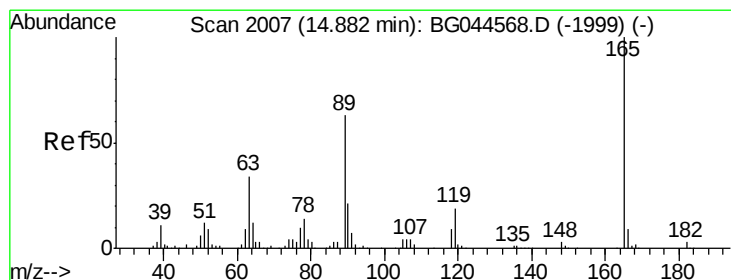
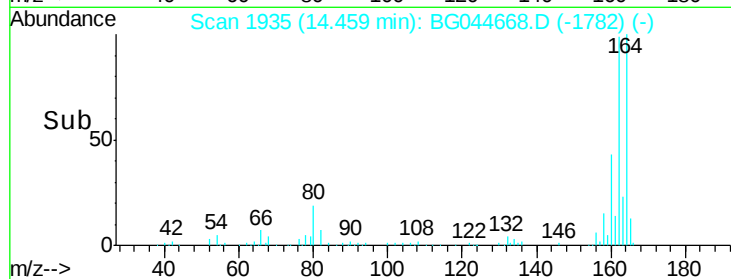
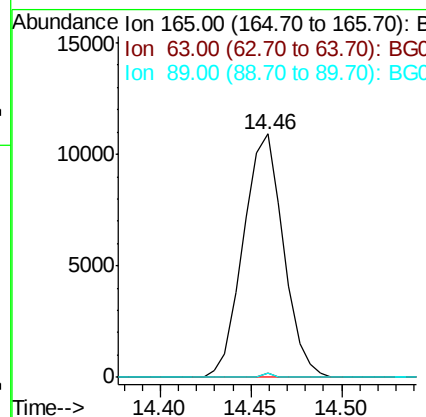
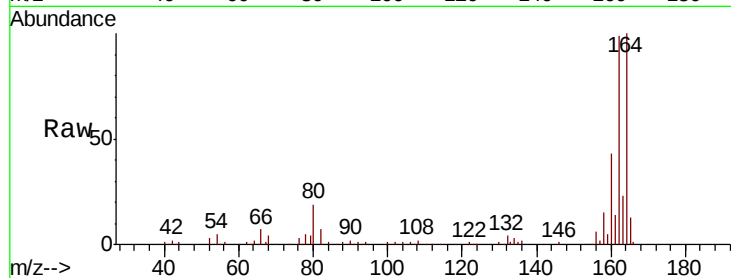




#51
 2,6-Dinitrotoluene
 Concen: 7.089 ng
 RT: 14.46 min Scan# 1935
 Delta R.T. 0.37 min
 Lab File: BG044668.D
 Acq: 3 Mar 2020 18:51

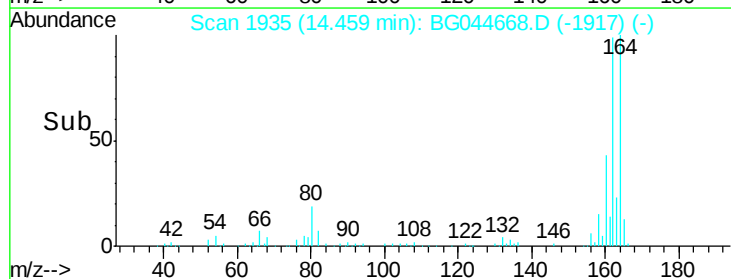
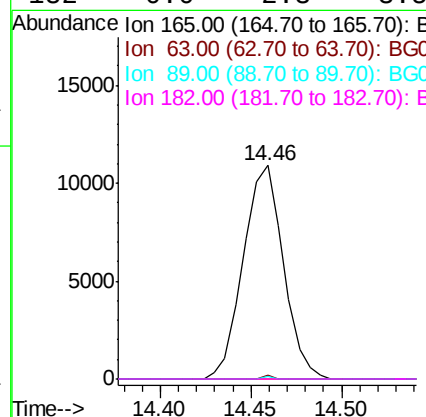
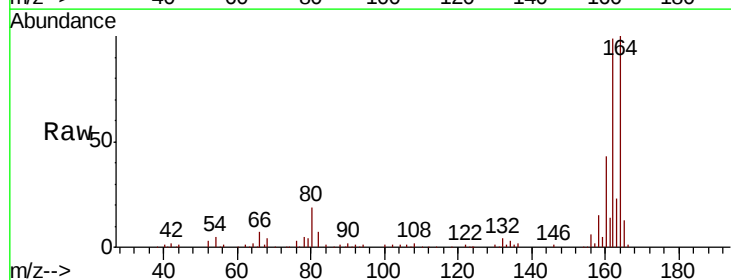
Instrument :
 BNA_G
 ClientSampleId :

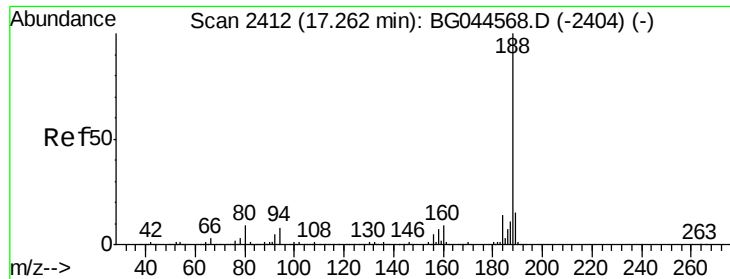
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	35.8	53.6#
89	1.5	38.7	58.1#



#57
 2,4-Dinitrotoluene
 Concen: 5.042 ng
 RT: 14.46 min Scan# 1935
 Delta R.T. -0.42 min
 Lab File: BG044668.D
 Acq: 3 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	27.5	41.3#
89	1.5	50.0	75.0#
182	0.0	2.3	3.5#

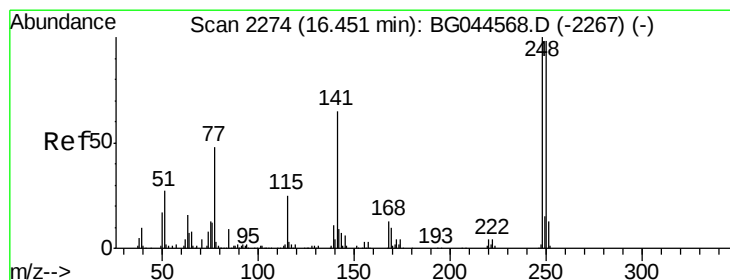
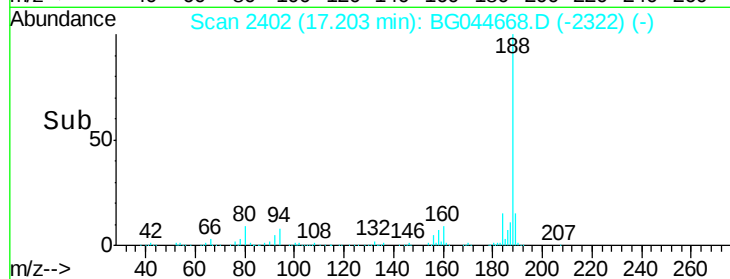
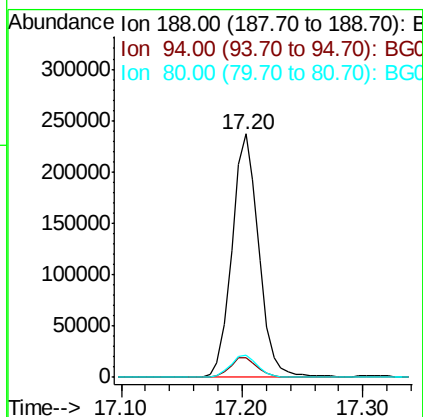
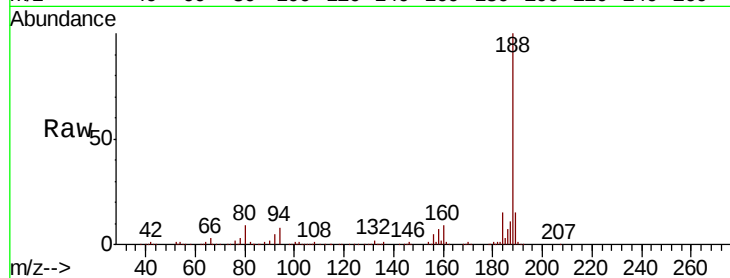




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.20 min Scan# 2402
Delta R.T. -0.06 min
Lab File: BG044668.D
Acq: 3 Mar 2020 18:51

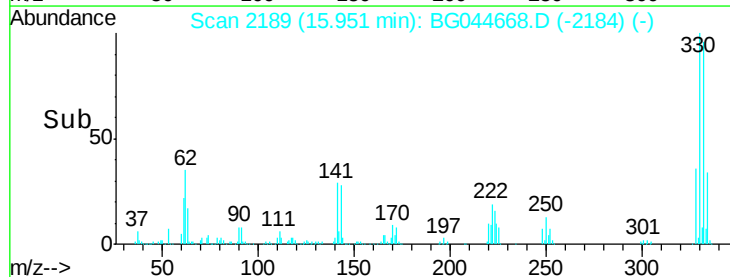
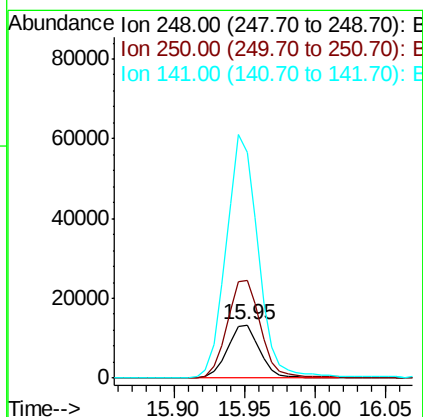
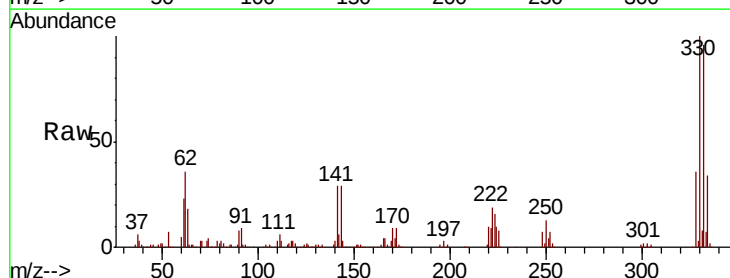
Instrument :
BNA_G
ClientSampleId :

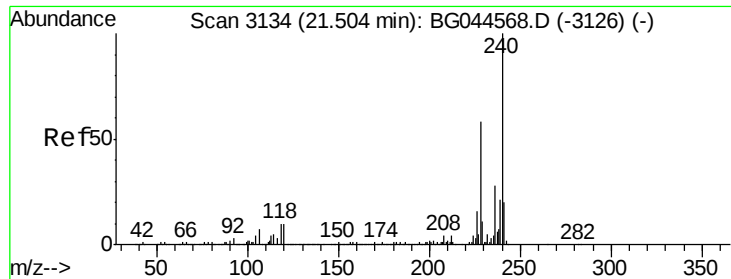
Tot Ion:188 Resp: 365815
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 9.0 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 4.638 ng
RT: 15.95 min Scan# 2189
Delta R.T. -0.50 min
Lab File: BG044668.D
Acq: 3 Mar 2020 18:51

Tgt Ion:248 Resp: 21060
Ion Ratio Lower Upper
248 100
250 185.0 78.7 118.1#
141 425.1 52.3 78.5#

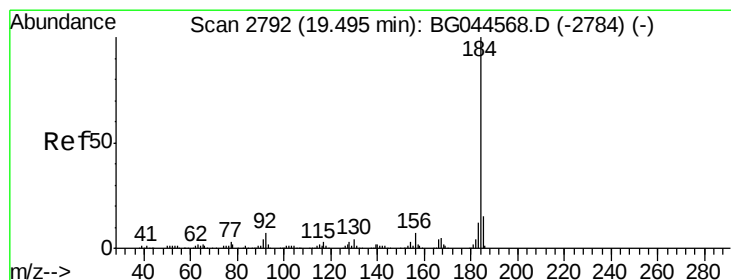
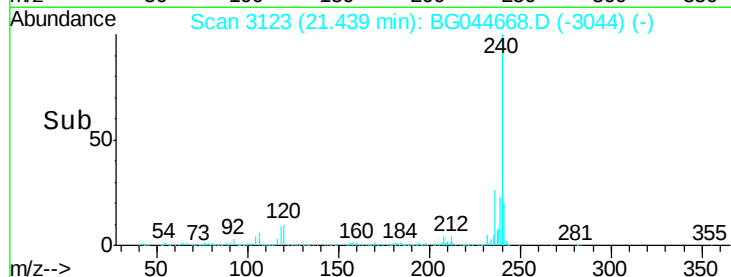
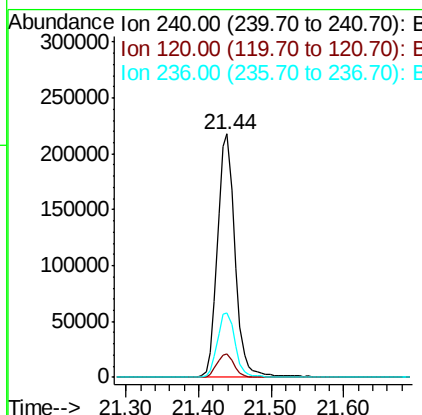
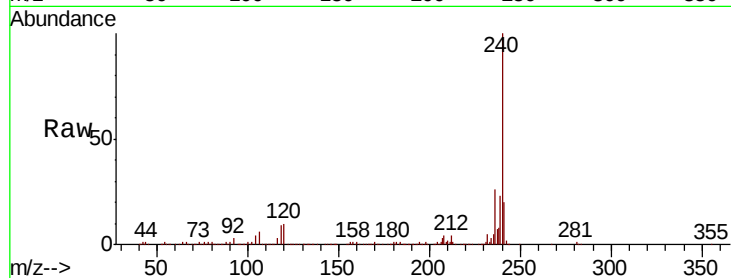




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.44 min Scan# 3123
Delta R.T. -0.06 min
Lab File: BG044668.D
Acq: 3 Mar 2020 18:51

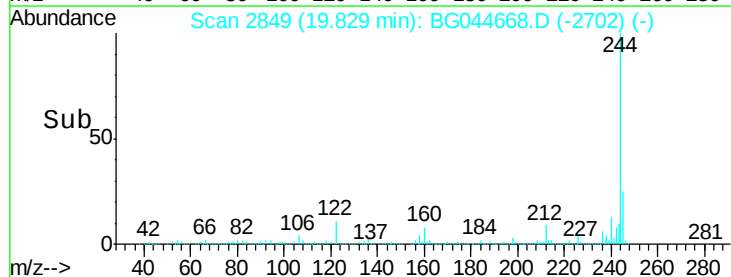
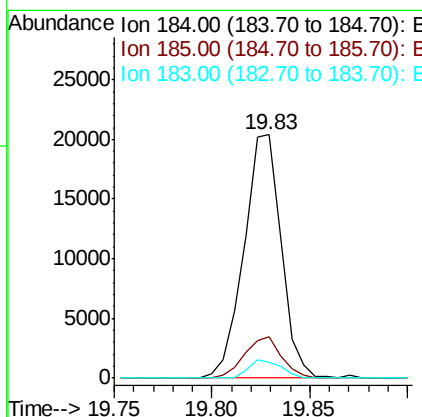
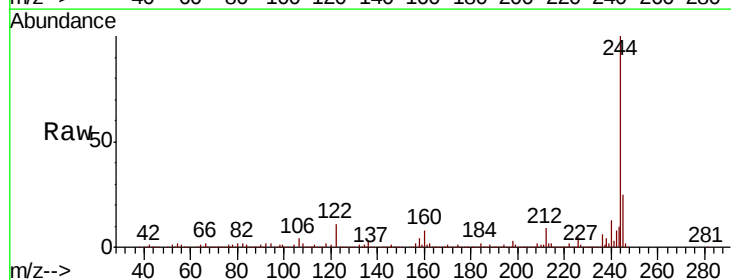
Instrument :
BNA_G
ClientSampleId :

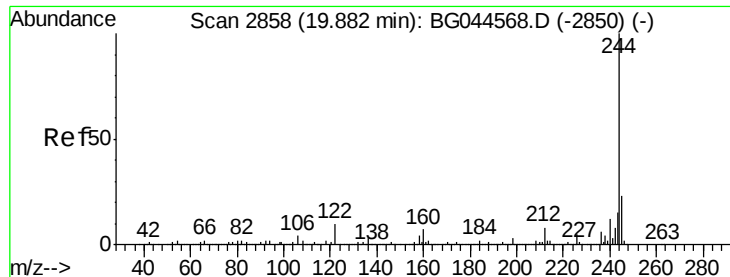
Tot Ion:240 Resp: 369379
Ion Ratio Lower Upper
240 100
120 9.5 8.3 12.5
236 26.4 22.3 33.5



#77
Benzidine
Concen: 2.134 ng
RT: 19.83 min Scan# 2849
Delta R.T. 0.33 min
Lab File: BG044668.D
Acq: 3 Mar 2020 18:51

Tgt Ion:184 Resp: 27008
Ion Ratio Lower Upper
184 100
185 17.1 12.2 18.4
183 6.3 9.9 14.9#





#79

Terphenyl-d14

Concen: 91.560 ng

RT: 19.82 min Scan# 2848

Delta R.T. -0.06 min

Lab File: BG044668.D

Acq: 3 Mar 2020 18:51

Instrument :

BNA_G

ClientSampleId :

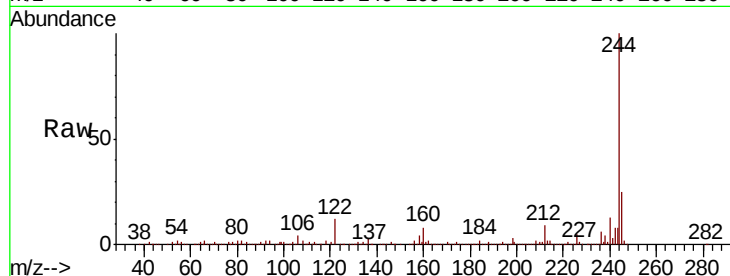
Tot Ion:244 Resp: 1786544

Ion Ratio Lower Upper

244 100

212 8.7 6.5 9.7

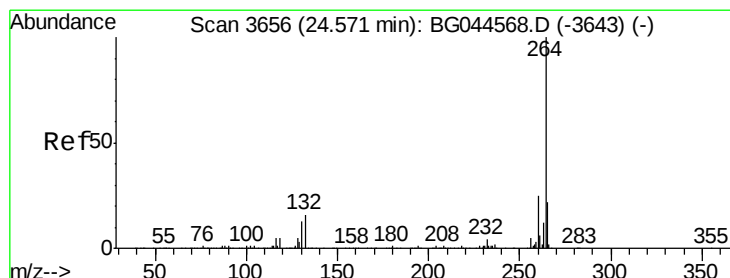
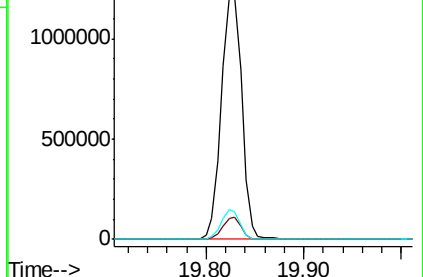
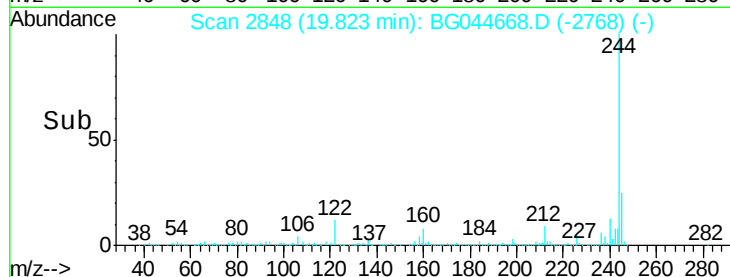
122 12.2 8.2 12.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.46 min Scan# 3637

Delta R.T. -0.11 min

Lab File: BG044668.D

Acq: 3 Mar 2020 18:51

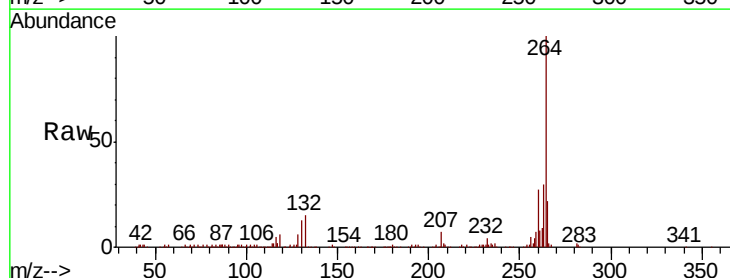
Tgt Ion:264 Resp: 232756

Ion Ratio Lower Upper

264 100

260 26.7 19.7 29.5

265 21.5 17.8 26.8



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

